

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051539.D
 Acq On : 26 Sep 2018 16:59
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:42 PM

Quant Time: Sep 27 08:06:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	562120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	818133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	736709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	389254	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	374294	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.59	113	334390	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.09	98	1244333	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	428057	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	219182	41.794	ug/l	100
3) Chloromethane	2.06	50	356615	42.717	ug/l	99
4) Vinyl Chloride	2.18	62	383185	41.587	ug/l	99
5) Bromomethane	2.56	94	202551	36.698	ug/l	98
6) Chloroethane	2.70	64	248852	43.343	ug/l	100
7) Trichlorofluoromethane	3.01	101	517108	42.846	ug/l	99
8) Diethyl Ether	3.41	74	188480	49.837	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	314834	46.222	ug/l	99
10) Methyl Iodide	3.95	142	323451	35.826	ug/l	100
11) Tert butyl alcohol	4.79	59	123776	311.458	ug/l #	91
12) 1,1-Dichloroethene	3.73	96	268384	42.913	ug/l	98
13) Acrolein	3.61	56	95149	241.111	ug/l	99
14) Allyl chloride	4.32	41	519035	49.464	ug/l	96
15) Acrylonitrile	4.99	53	637549	294.911	ug/l	100
16) Acetone	3.82	43	491411	320.854	ug/l	98
17) Carbon Disulfide	4.05	76	703110	38.266	ug/l	99
18) Methyl Acetate	4.33	43	337330	62.901	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	891985	55.307	ug/l	100
20) Methylene Chloride	4.55	84	339042	48.657	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	296116	46.283	ug/l	98
22) Diisopropyl ether	5.95	45	1122153	55.324	ug/l	99
23) Vinyl Acetate	5.90	43	3812656	286.314	ug/l	99
24) 1,1-Dichloroethane	5.85	63	624820	51.629	ug/l	98
25) 2-Butanone	6.84	43	775887	321.925	ug/l	98
26) 2,2-Dichloropropane	6.83	77	509487	53.932	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	352878	50.266	ug/l	97
28) Bromochloromethane	7.20	49	318976	57.075	ug/l	97
29) Tetrahydrofuran	7.22	42	498206	326.192	ug/l	97
30) Chloroform	7.37	83	614263	51.224	ug/l	99
31) Cyclohexane	7.66	56	519594	46.861	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	517796	50.509	ug/l	100
36) 1,1-Dichloropropene	7.79	75	445569	47.030	ug/l	98
37) Ethyl Acetate	6.93	43	323392	59.367	ug/l	100
38) Carbon Tetrachloride	7.77	117	452278	45.641	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	513394	46.355	ug/l	96
40) Benzene	8.04	78	1358839	48.847	ug/l	98
41) Methacrylonitrile	7.17	41	156027	51.773	ug/l	93
42) 1,2-Dichloroethane	8.13	62	447415	50.229	ug/l	100
43) Isopropyl Acetate	8.17	43	591393	60.039	ug/l #	90
44) Trichloroethene	8.84	130	351684	47.597	ug/l	99
45) 1,2-Dichloropropane	9.12	63	386456	51.106	ug/l	99
46) Dibromomethane	9.21	93	221242	51.782	ug/l	97
47) Bromodichloromethane	9.40	83	480911	50.862	ug/l	98
48) Methyl methacrylate	9.20	41	288620	58.771	ug/l	97
49) 1,4-Dioxane	9.20	88	60677	1008.151	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1669010	308.094	ug/l	99
52) Toluene	10.16	92	843543	48.794	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	497074	52.073	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	563896	50.939	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	324670	53.139	ug/l	99
56) Ethyl methacrylate	10.43	69	435041	58.238	ug/l	100
57) 1,3-Dichloropropane	10.71	76	551149	52.630	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1079572	265.659	ug/l	98
59) 2-Hexanone	10.75	43	1149817	327.417	ug/l	99
60) Dibromochloromethane	10.90	129	365798	50.743	ug/l	100
61) 1,2-Dibromoethane	11.01	107	309923	52.253	ug/l	99
64) Tetrachloroethene	10.63	164	308679	46.168	ug/l	98
65) Chlorobenzene	11.43	112	933514	49.388	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	358755	49.818	ug/l	99
67) Ethyl Benzene	11.51	91	1596417	50.116	ug/l	100
68) m/p-Xylenes	11.62	106	1228835	99.731	ug/l	98
69) o-Xylene	11.95	106	593936	50.142	ug/l	96
70) Styrene	11.96	104	977945	52.102	ug/l	100
71) Bromoform	12.13	173	258603	52.923	ug/l #	98
73) Isopropylbenzene	12.25	105	1619389	49.307	ug/l	100
74) N-amyl acetate	12.07	43	495538	60.135	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	432921	56.527	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	381008m	58.962	ug/l	
77) Bromobenzene	12.53	156	402067	48.359	ug/l	94
78) n-propylbenzene	12.59	91	1887529	50.994	ug/l	98
79) 2-Chlorotoluene	12.67	91	1109140	50.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1356698	50.660	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	121294	57.719	ug/l	99
82) 4-Chlorotoluene	12.77	91	1113873	50.369	ug/l	99
83) tert-Butylbenzene	12.99	119	1210823	50.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1372968	50.877	ug/l	100
85) sec-Butylbenzene	13.17	105	1640368	50.869	ug/l	99
86) p-Isopropyltoluene	13.29	119	1437884	51.531	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	720224	50.058	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	692355	50.012	ug/l	99
89) n-Butylbenzene	13.62	91	1216113	53.001	ug/l	99
90) Hexachloroethane	13.88	117	266510	47.937	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	713501	51.110	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67637	61.884	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	369540	49.208	ug/l	99
94) Hexachlorobutadiene	15.01	225	265732	50.310	ug/l	98
95) Naphthalene	15.14	128	745415	51.263	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	375027	55.980	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

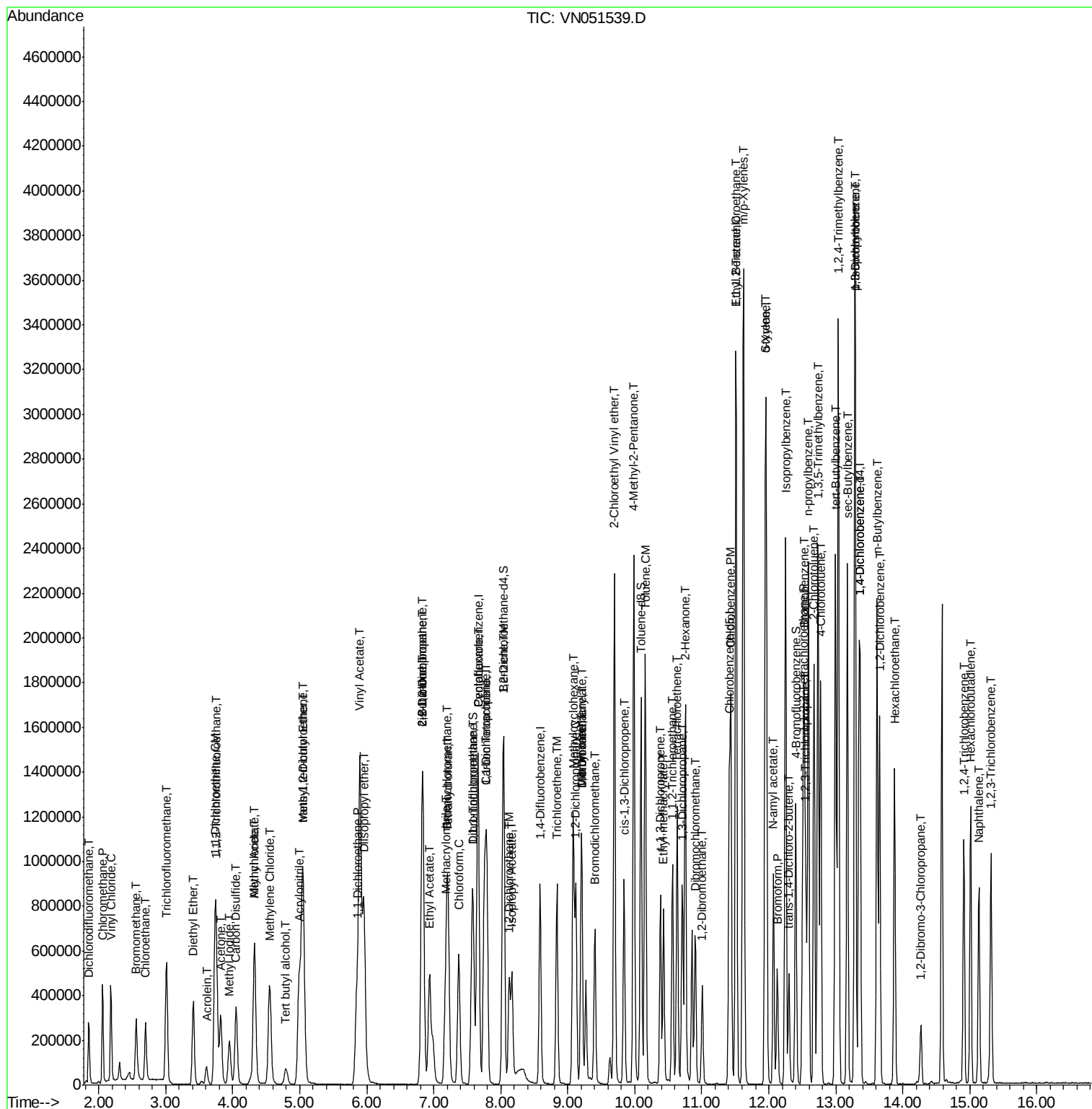
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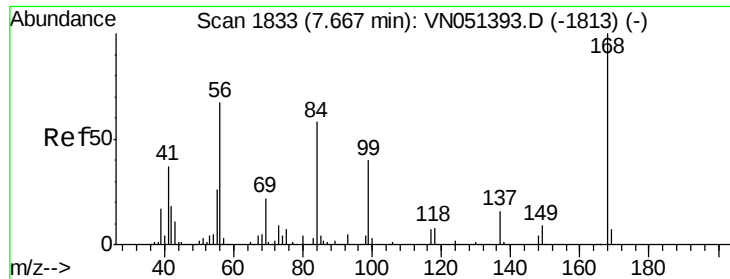
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 562120

Ion Ratio Lower Upper

168 100

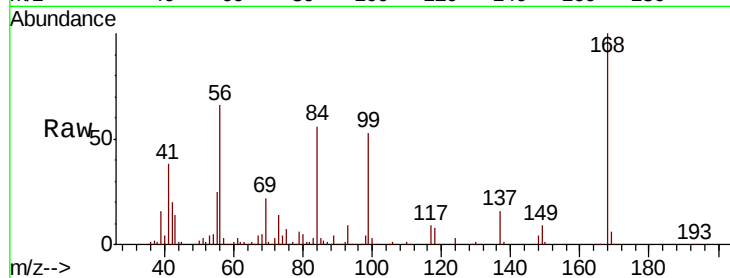
99 52.8 40.2 60.2

Manual Integrations

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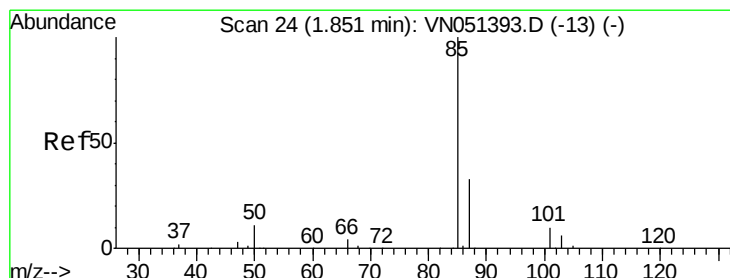
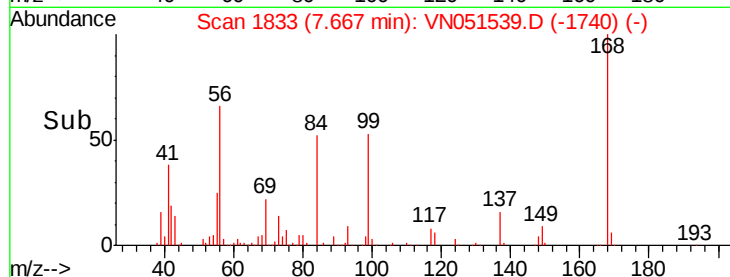
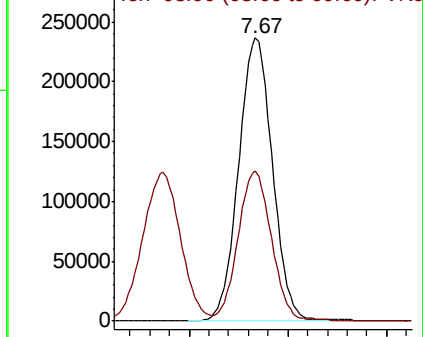
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.794 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051539.D

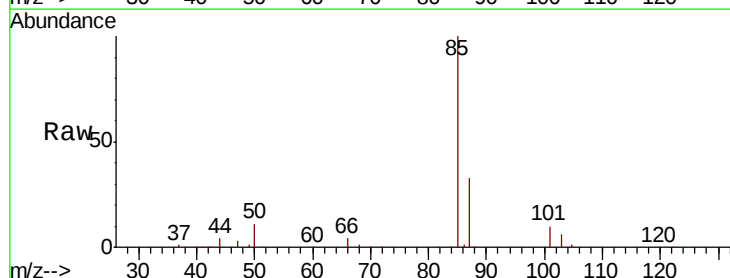
Acq: 26 Sep 2018 16:59

Tgt Ion: 85 Resp: 219182

Ion Ratio Lower Upper

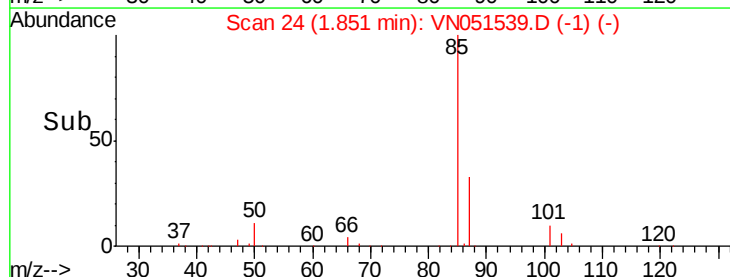
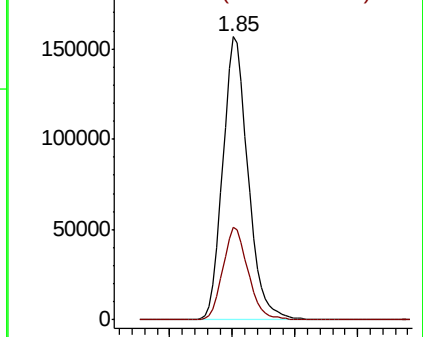
85 100

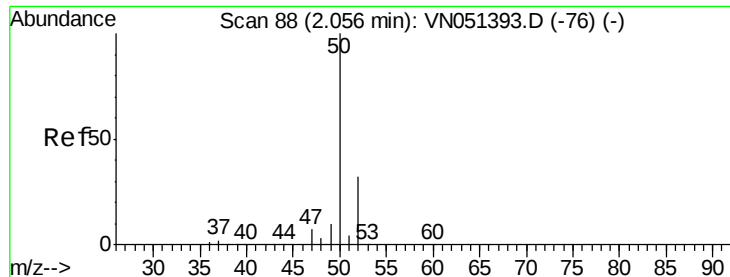
87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.717 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 356615

Ion Ratio Lower Upper

50 100

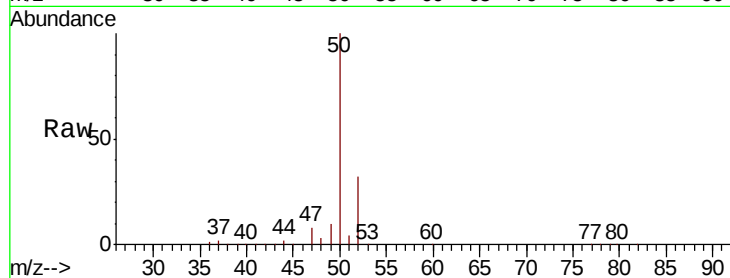
52 32.4 25.7 38.5

Manual Integrations

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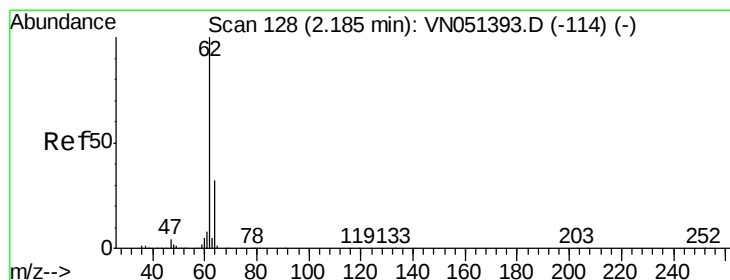
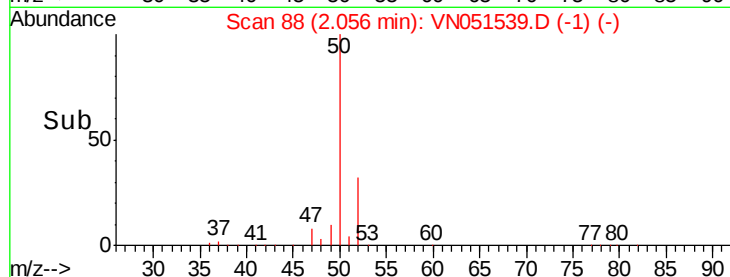
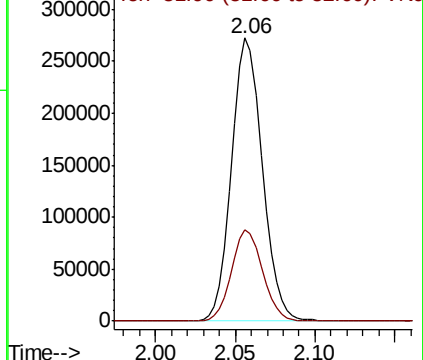
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.587 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051539.D

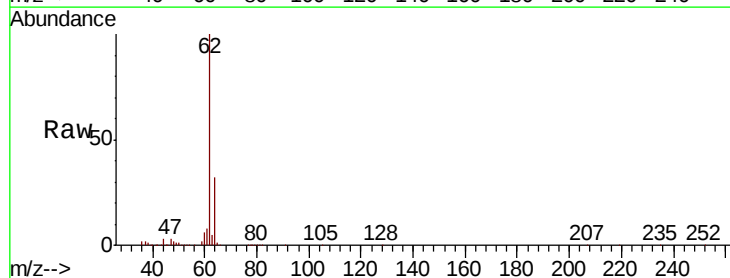
Acq: 26 Sep 2018 16:59

Tgt Ion: 62 Resp: 383185

Ion Ratio Lower Upper

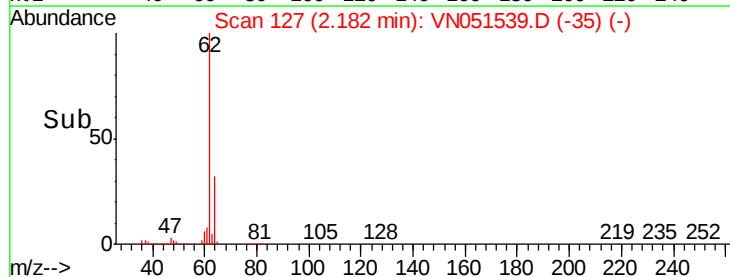
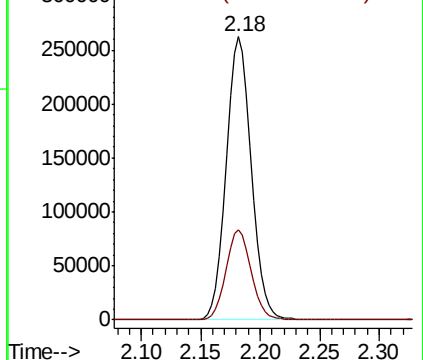
62 100

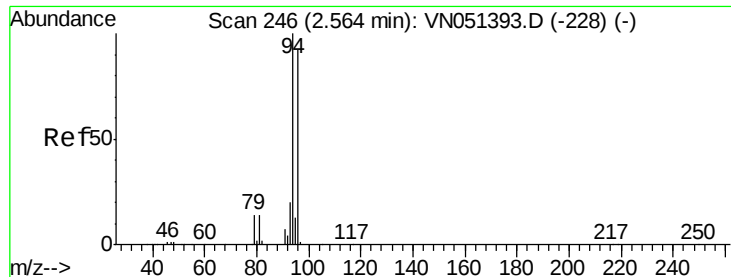
64 31.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 36.698 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051539.D

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Tot Ion: 94 Resp: 202551

Ion Ratio Lower Upper

94 100

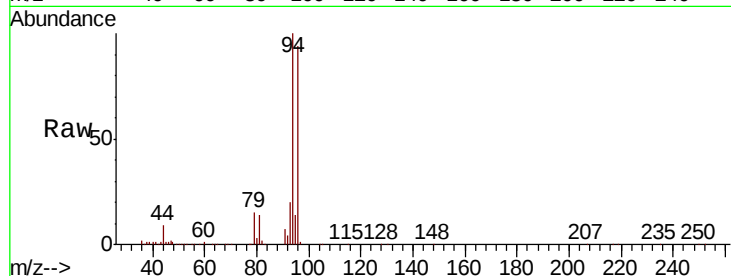
96 93.6 73.6 110.4

Manual Integrations

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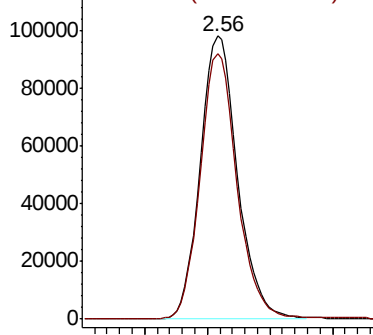
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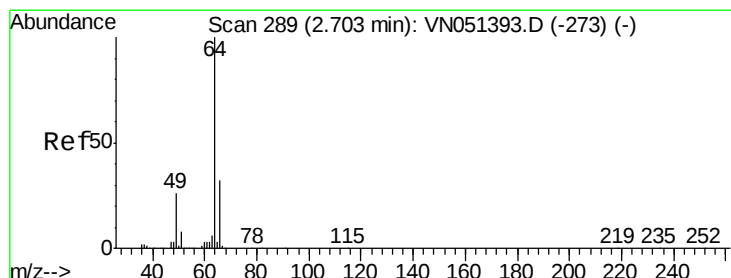
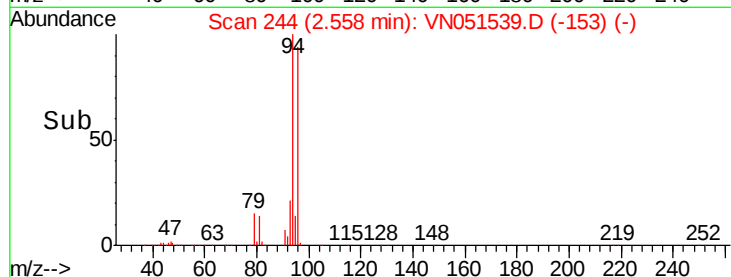


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 43.343 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051539.D

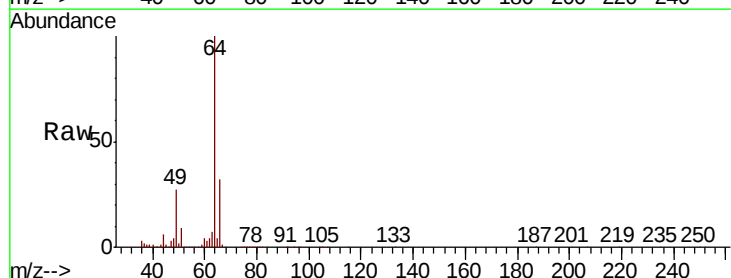
Acq: 26 Sep 2018 16:59

Tgt Ion: 64 Resp: 248852

Ion Ratio Lower Upper

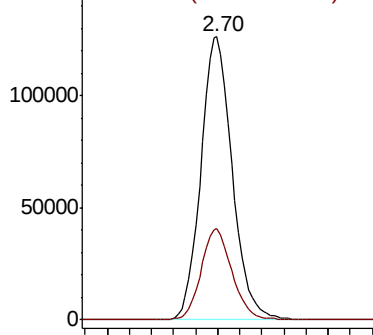
64 100

66 32.3 25.9 38.9

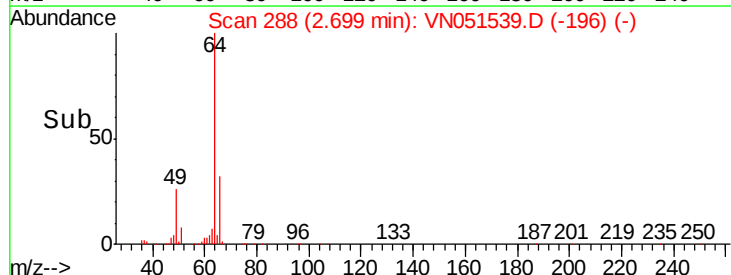


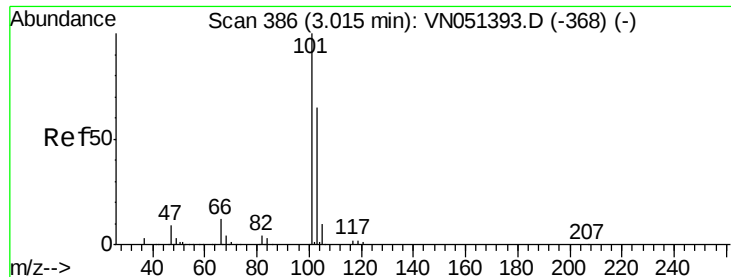
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->





#7

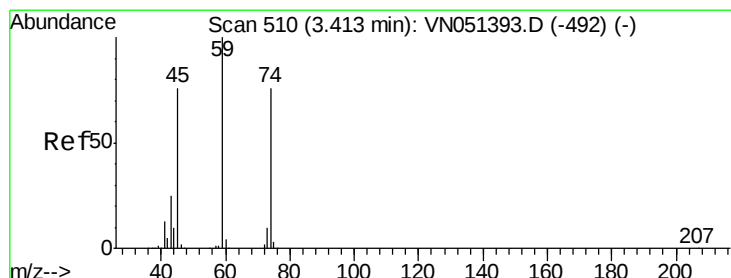
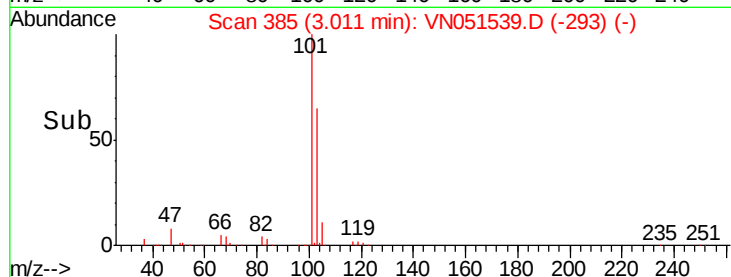
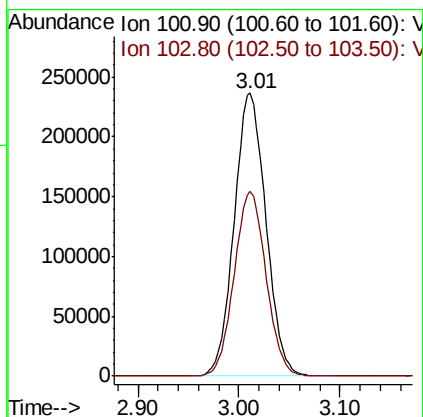
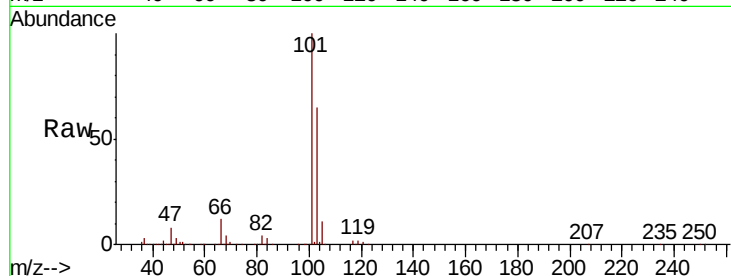
Trichlorofluoromethane
 Concen: 42.846 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051539.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.8

Manual Integrations
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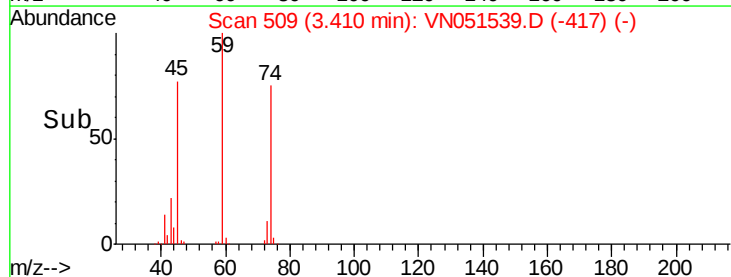
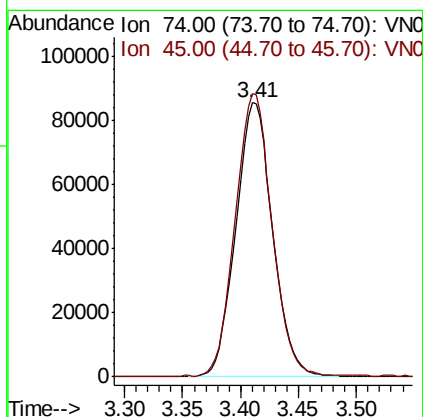
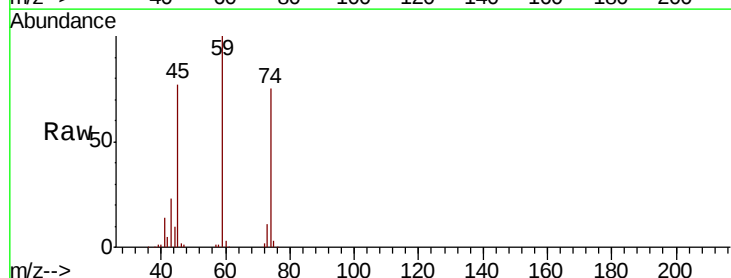
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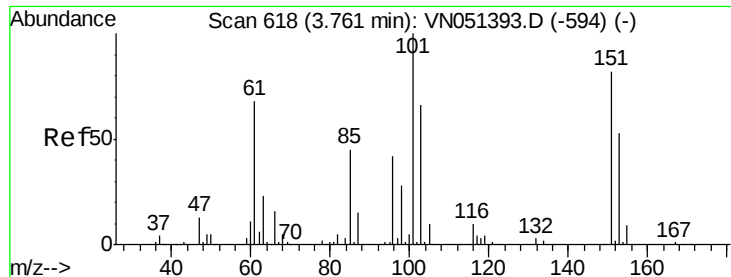


#8

Diethyl Ether
 Concen: 49.837 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	50.2	150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.222 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

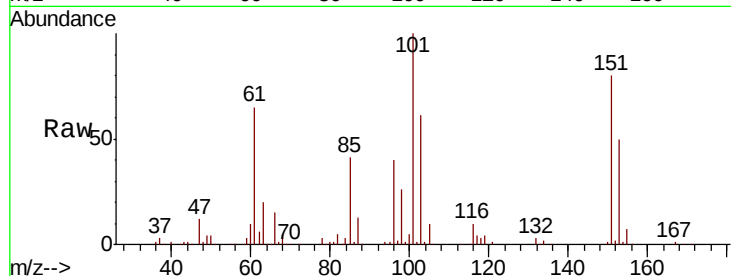
ClientSampleId :

VSTDCCC050

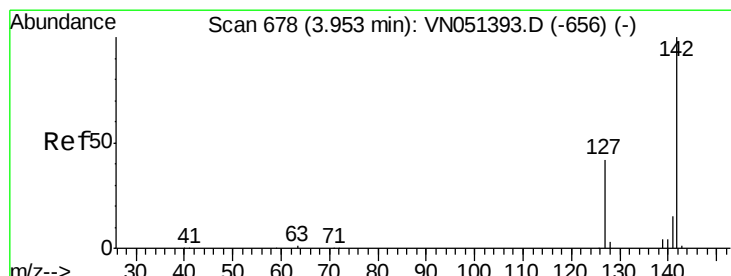
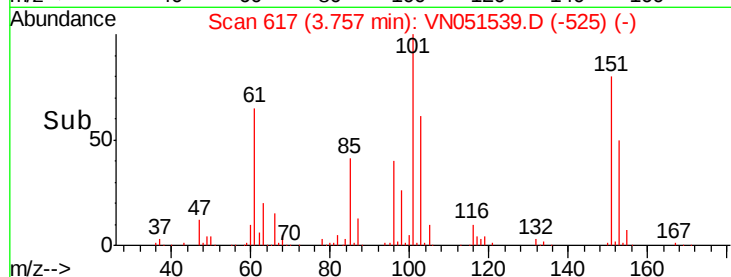
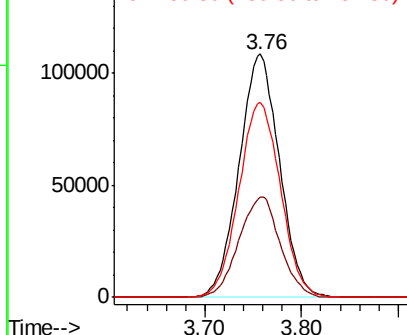
Tot Ion:	101	Resp:	314834
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.9	50.9
151	82.4	65.2	97.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 35.826 ug/l

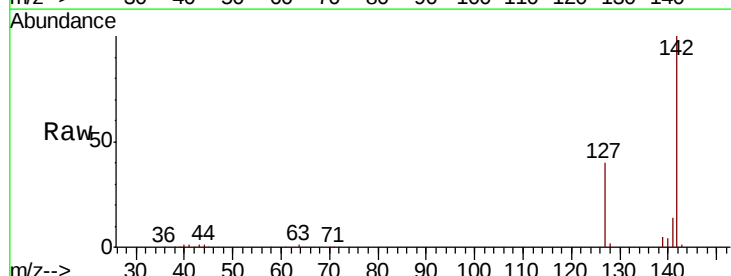
RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

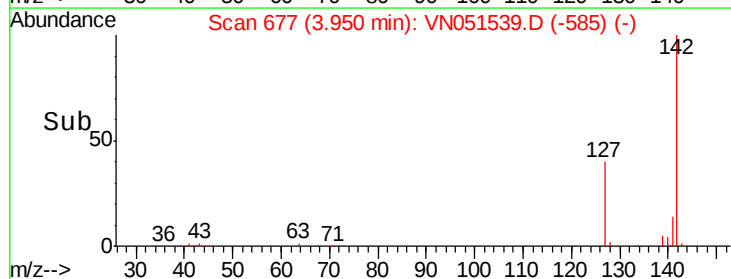
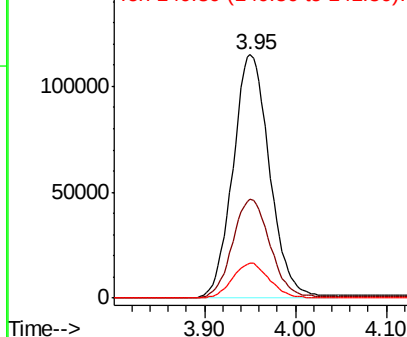
Lab File: VN051539.D

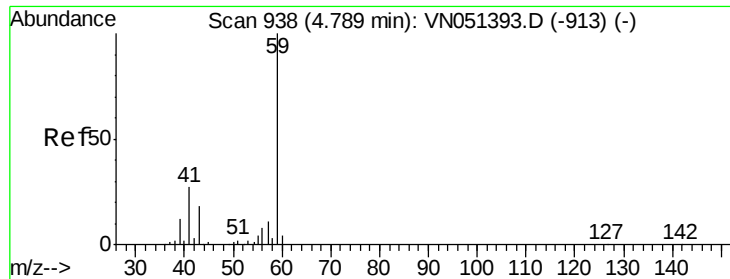
Acq: 26 Sep 2018 16:59

Tgt Ion:	142	Resp:	323451
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.2	49.8
141	14.4	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





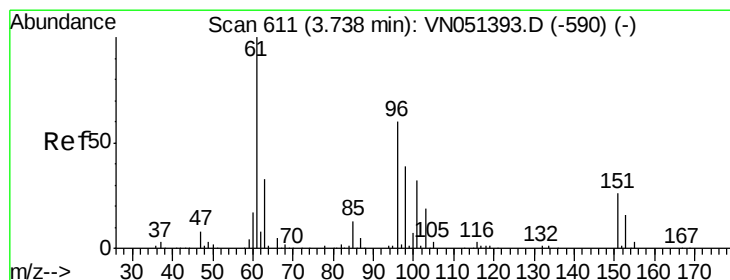
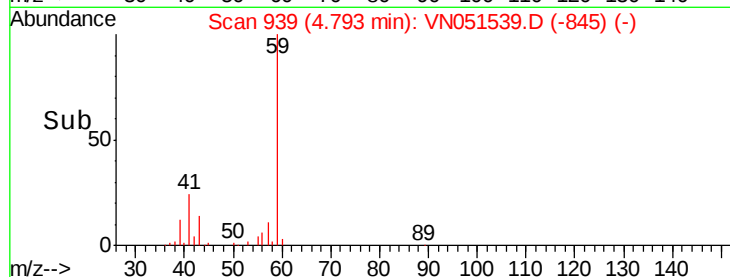
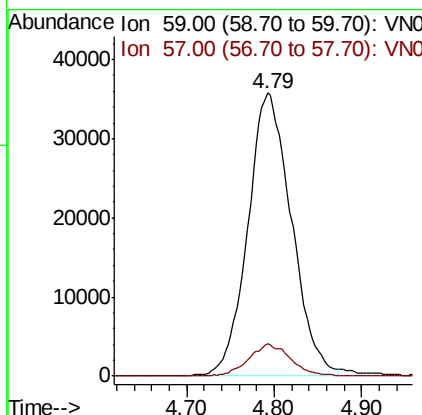
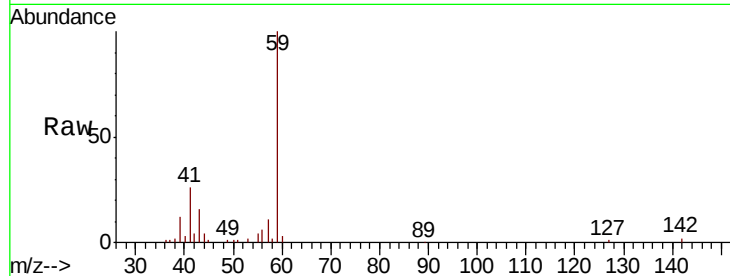
#11
Tert butyl alcohol
Concen: 311.458 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	6.2	9.2#

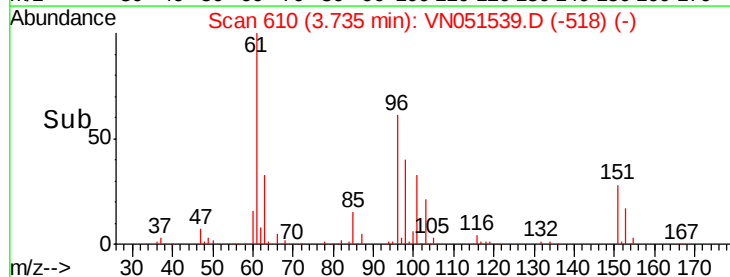
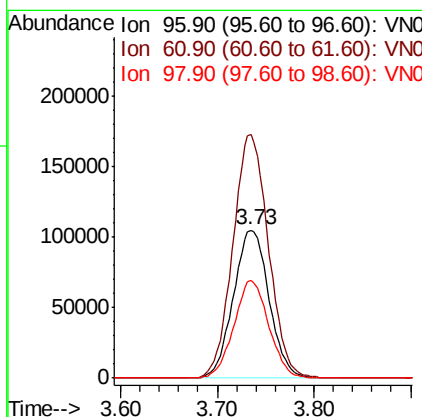
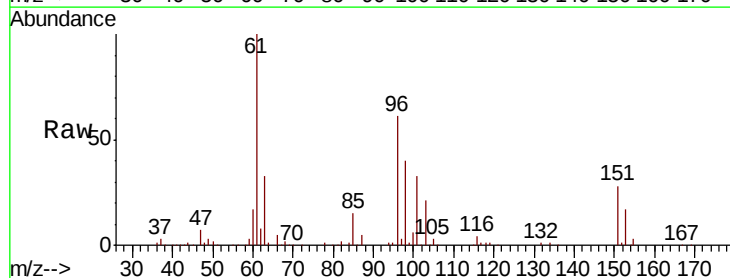
Manual Integrations
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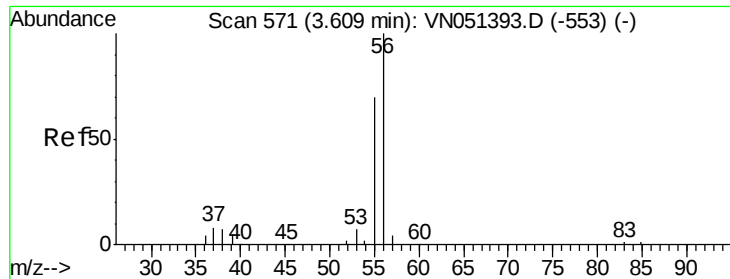
MMDadoda
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#12
1,1-Dichloroethene
Concen: 42.913 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	133.6	200.4
98	65.6	52.2	78.2





#13

Acrolein

Concen: 241.111 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 95149

Ion Ratio Lower Upper

56 100

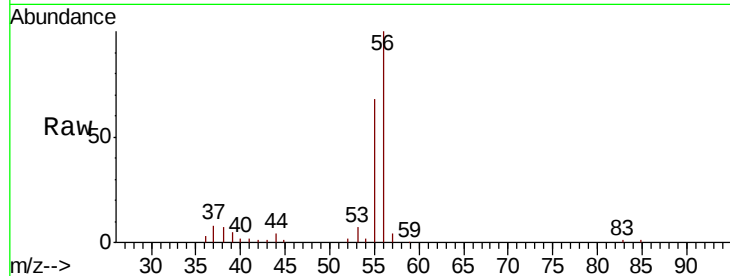
55 71.8 57.8 86.8

Manual Integrations

APPROVED

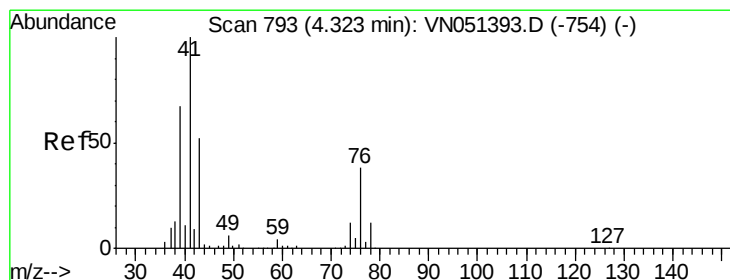
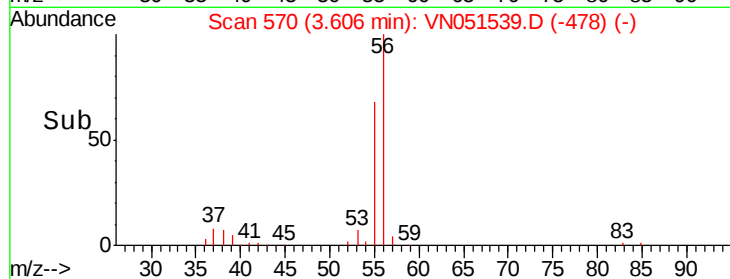
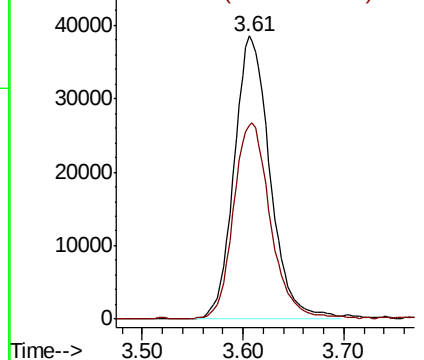
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.464 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

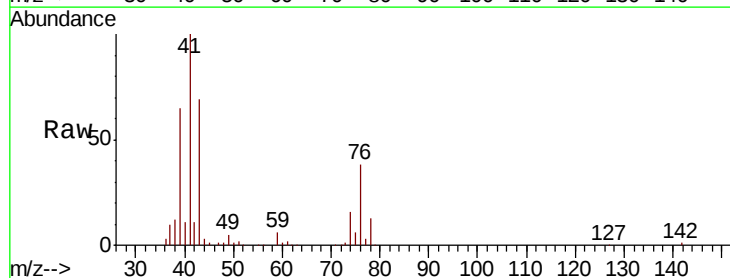
Tgt Ion: 41 Resp: 519035

Ion Ratio Lower Upper

41 100

39 60.3 51.4 77.2

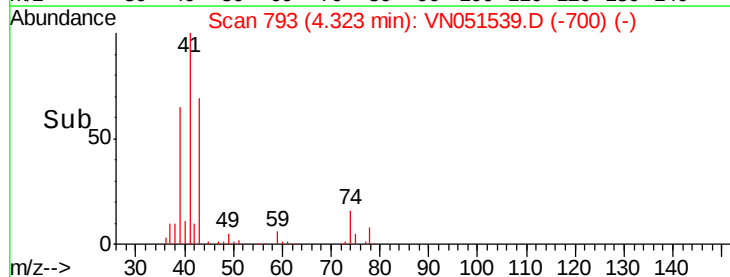
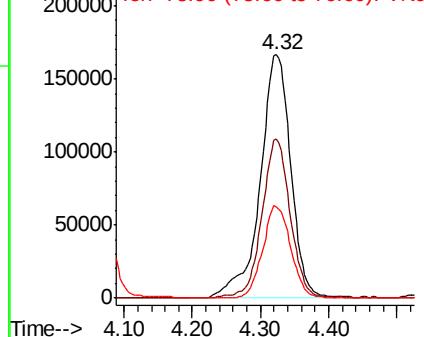
76 34.4 28.1 42.1

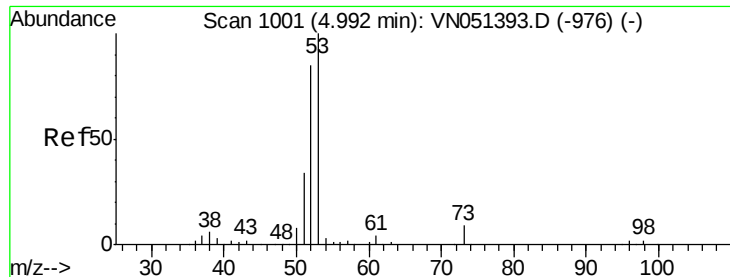


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 294.911 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

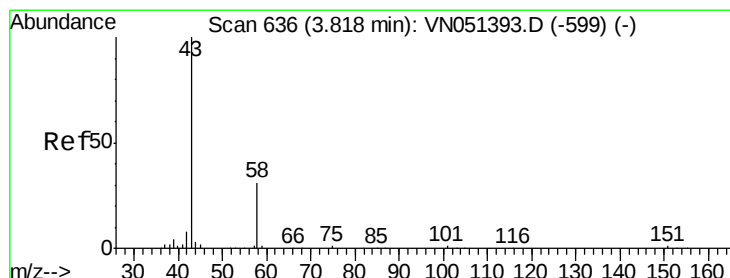
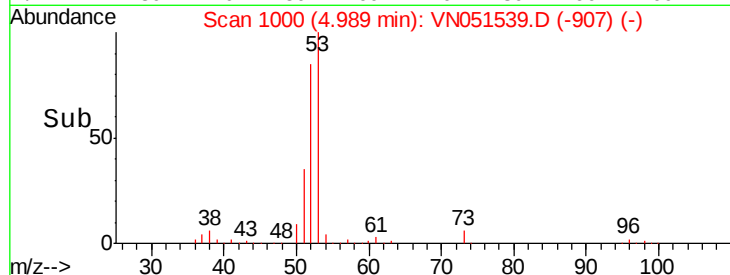
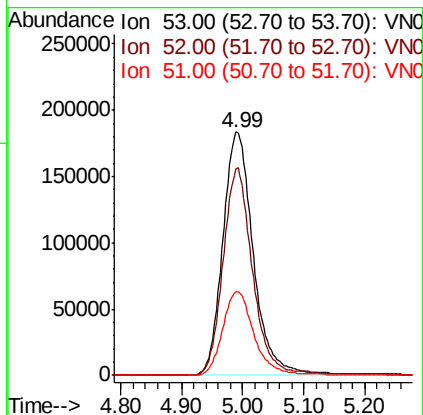
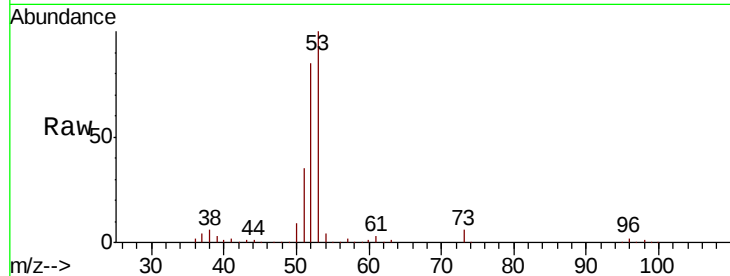
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	637549
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	35.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 320.854 ug/l

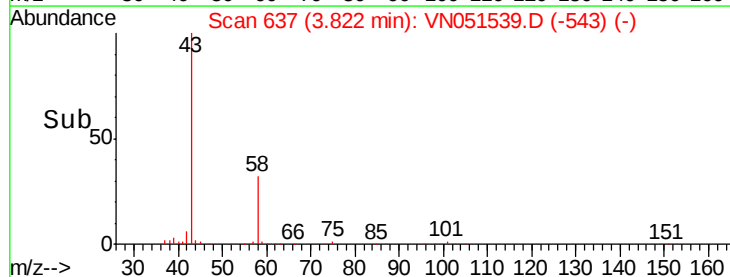
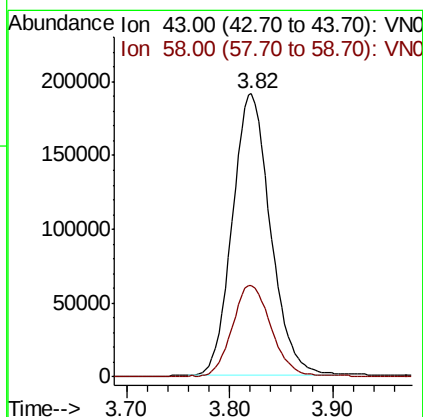
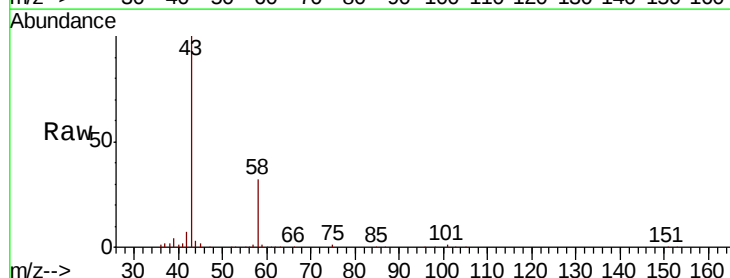
RT: 3.82 min Scan# 637

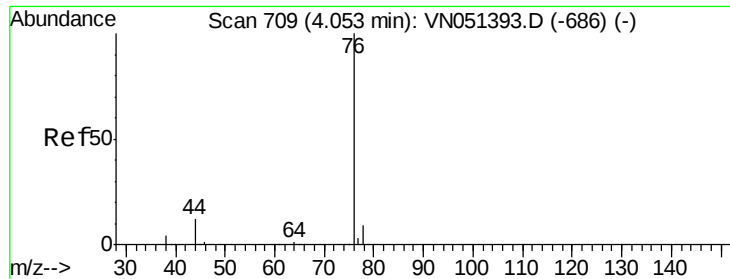
Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Tgt Ion:	43	Resp:	491411
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.0	37.4





#17

Carbon Disulfide

Concen: 38.266 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 703110

Ion Ratio Lower Upper

76 100

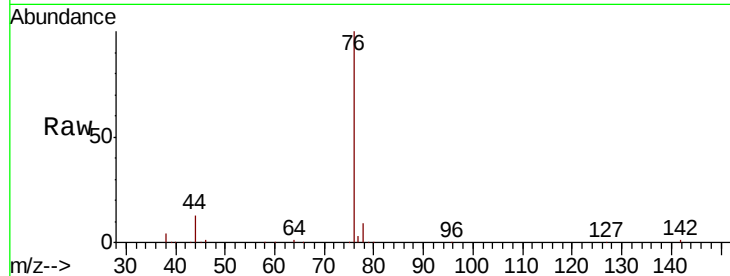
78 8.8 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

250000

200000

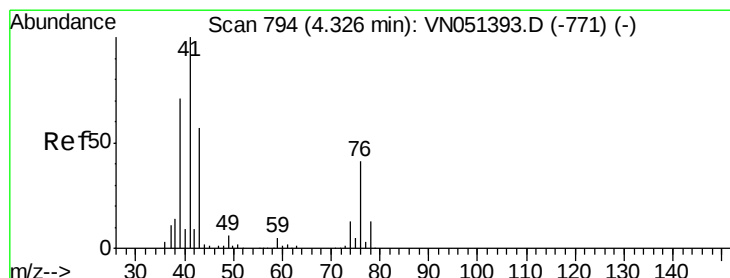
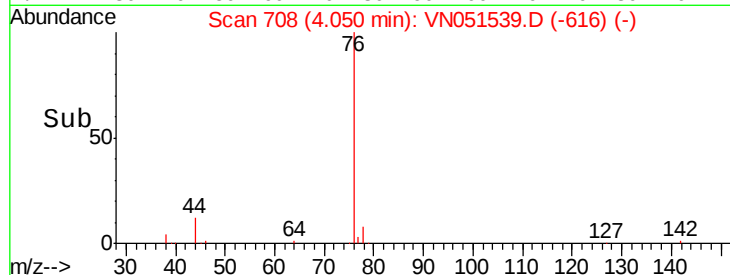
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 62.901 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051539.D

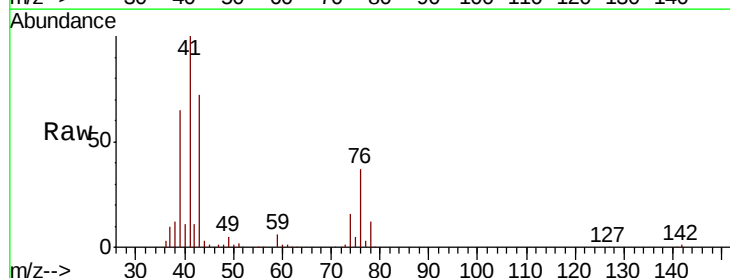
Acq: 26 Sep 2018 16:59

Tgt Ion: 43 Resp: 337330

Ion Ratio Lower Upper

43 100

74 22.9 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

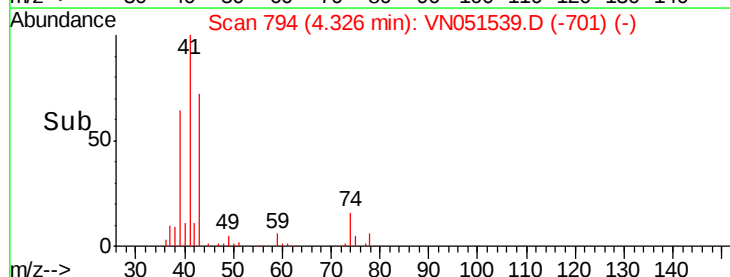
4.33

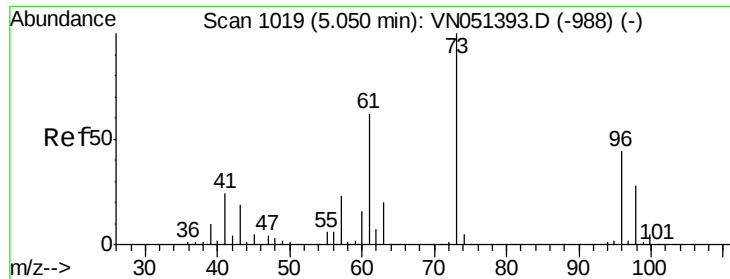
100000

50000

0

Time-->





#19

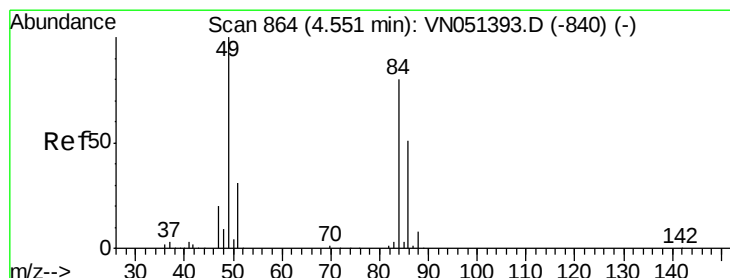
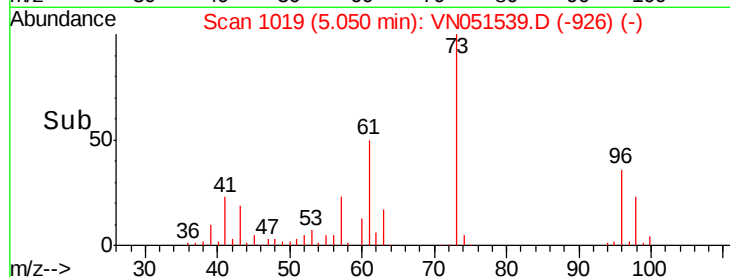
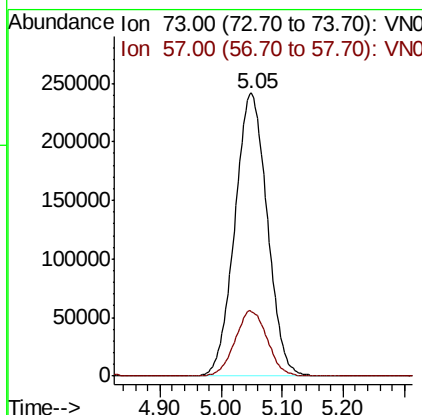
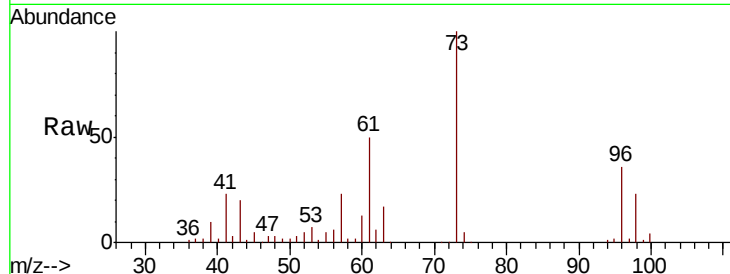
Methyl tert-butyl Ether
 Concen: 55.307 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5

Manual Integrations
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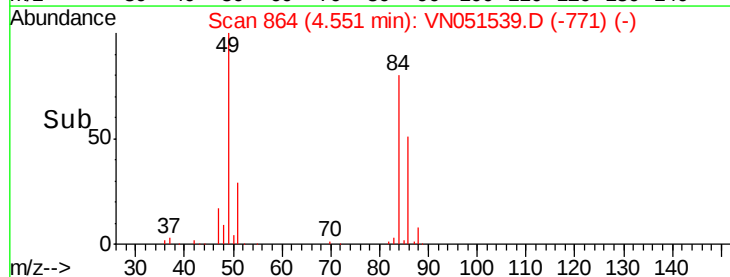
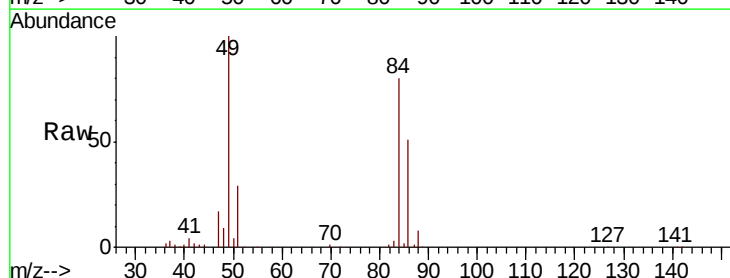
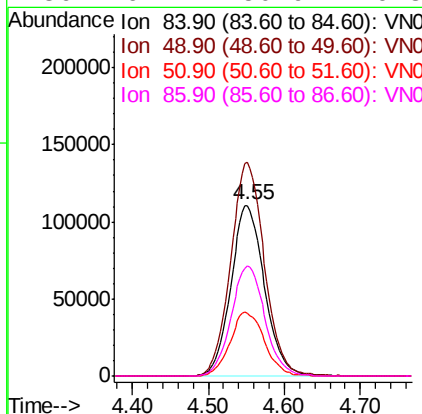
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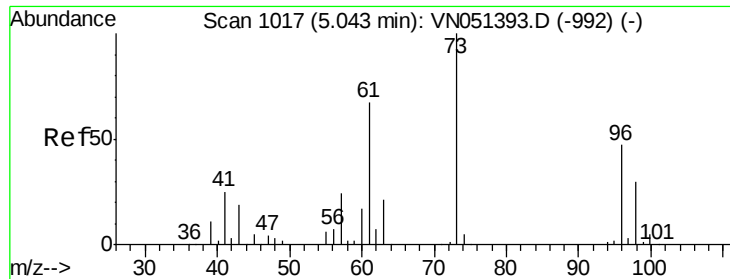


#20

Methylene Chloride
 Concen: 48.657 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	99.9	149.9
51	36.8	31.4	47.2
86	64.4	50.9	76.3





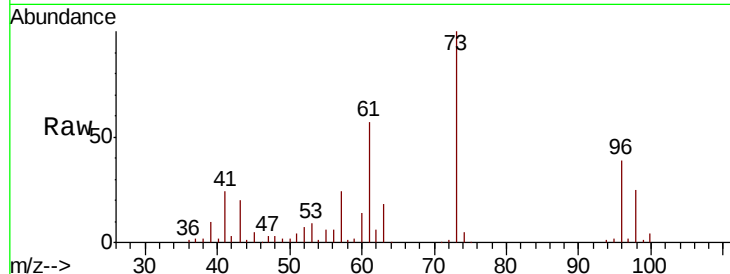
#21
trans-1,2-Dichloroethene
Concen: 46.283 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	113.4	170.2
98	62.6	51.1	76.7

Manual Integrations
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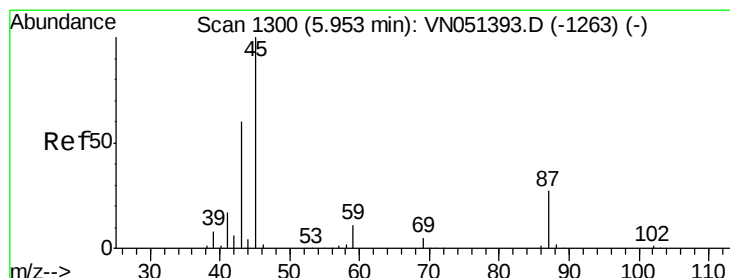
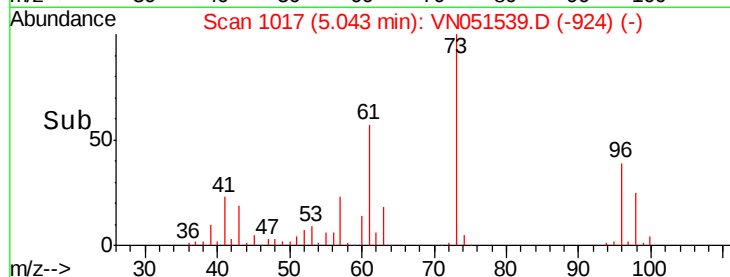
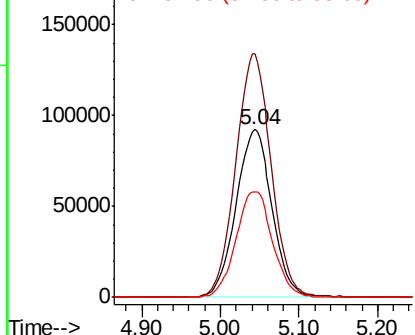


Abundance

Ion 95.90 (95.60 to 96.60): VN051539.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VN051539.D (-992) (-)

Ion 97.90 (97.60 to 98.60): VN051539.D (-992) (-)



#22
Diisopropyl ether
Concen: 55.324 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.7	71.5
87	27.2	22.0	33.0
59	12.1	9.3	13.9

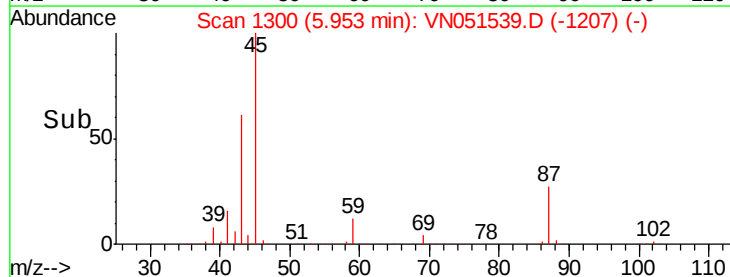
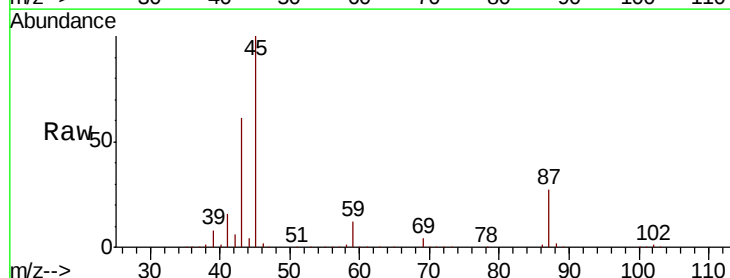
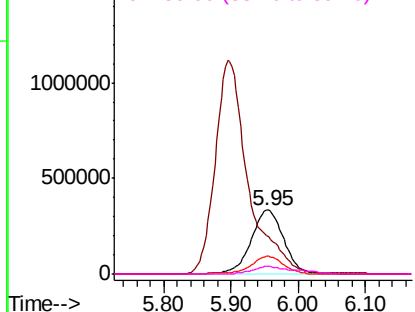
Abundance

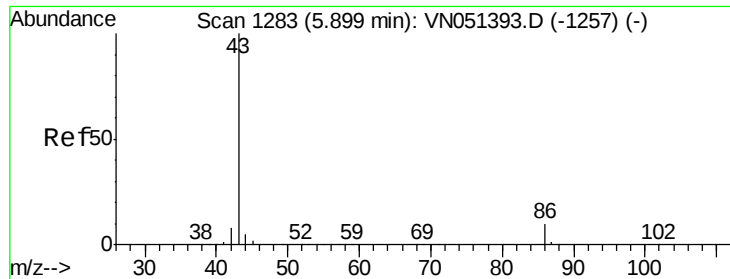
Ion 45.00 (44.70 to 45.70): VN051539.D (-1263) (-)

Ion 43.00 (42.70 to 43.70): VN051539.D (-1263) (-)

Ion 87.00 (86.70 to 87.70): VN051539.D (-1263) (-)

Ion 59.00 (58.70 to 59.70): VN051539.D (-1263) (-)





#23

Vinyl Acetate

Concen: 286.314 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3812656

Ion Ratio Lower Upper

43 100

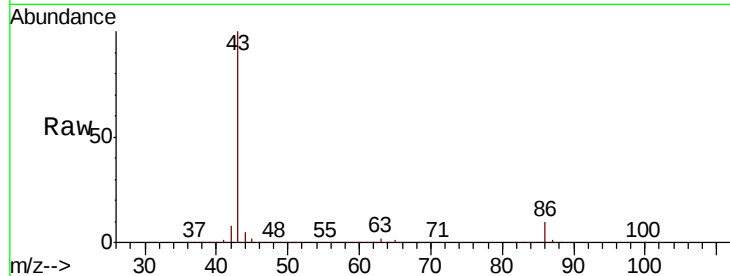
86 10.0 8.2 12.2

Manual Integrations

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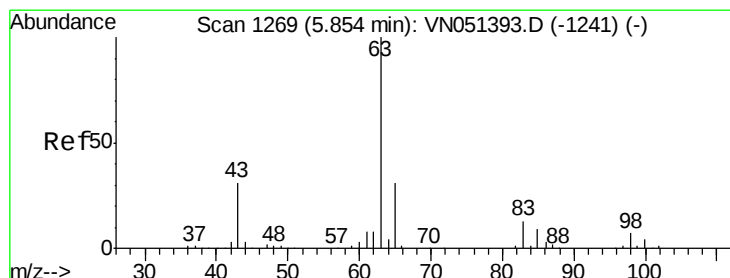
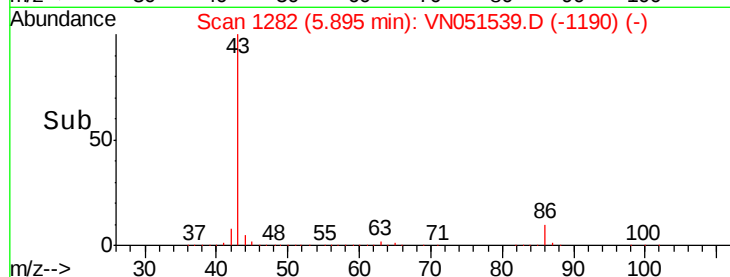
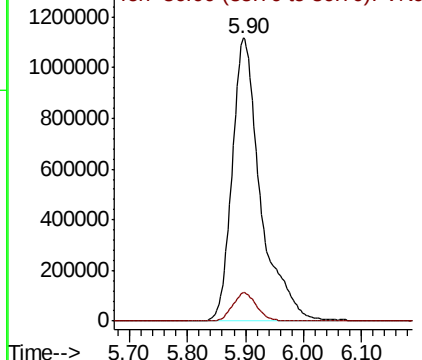
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.629 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

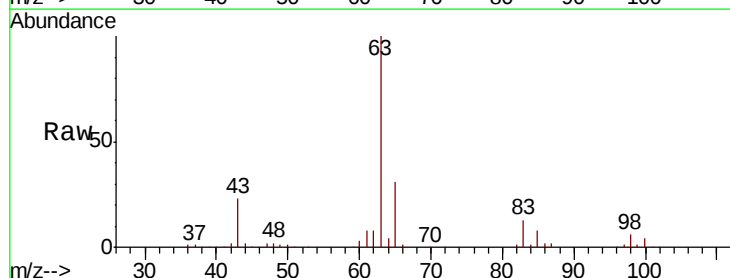
Tgt Ion: 63 Resp: 624820

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

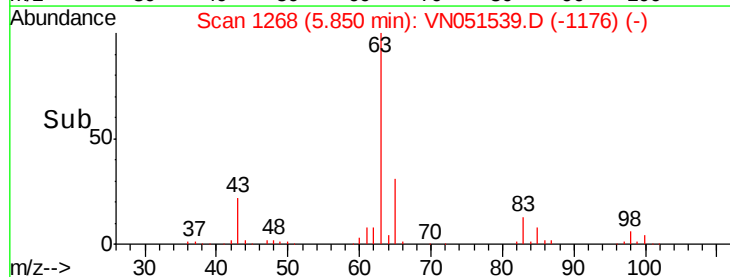
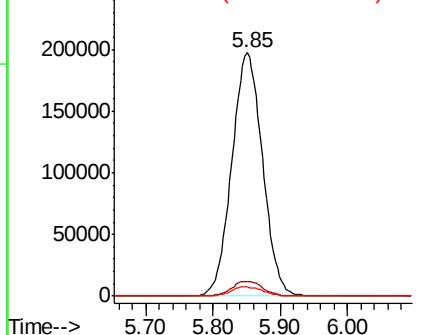
100 3.6 2.2 6.6

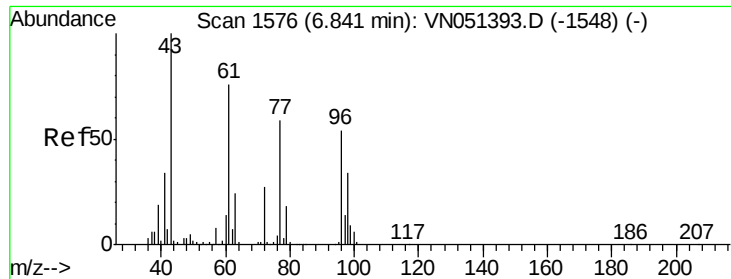


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 321.925 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 775887

Ion Ratio Lower Upper

43 100

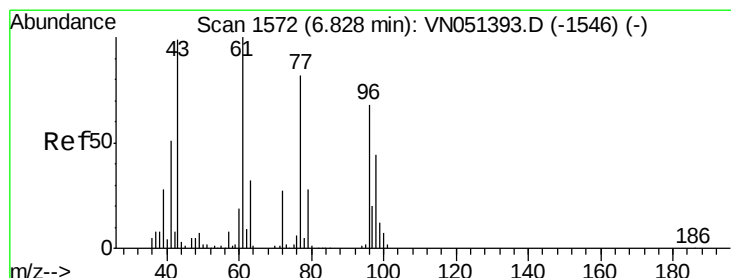
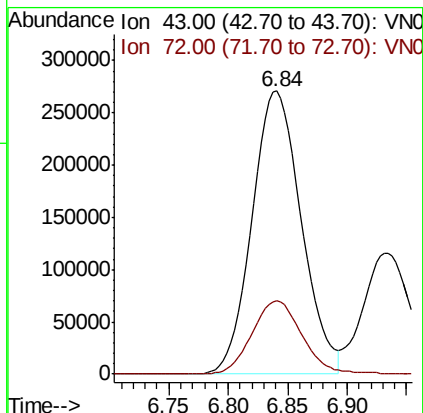
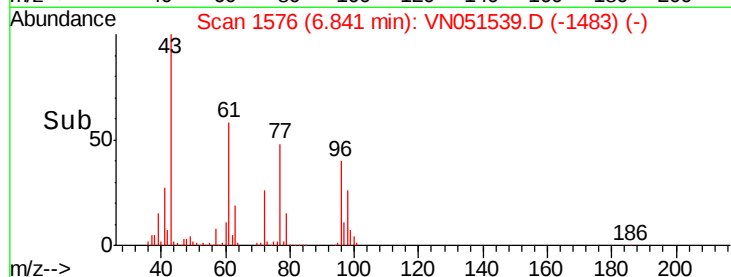
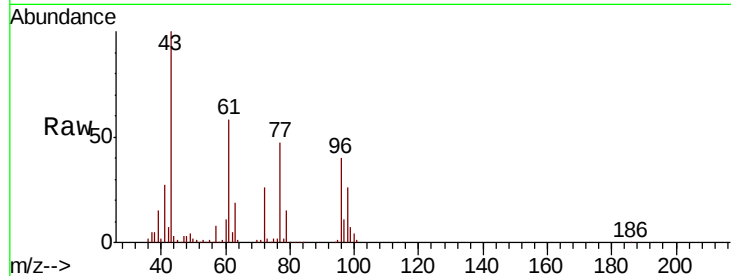
72 26.0 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.932 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051539.D

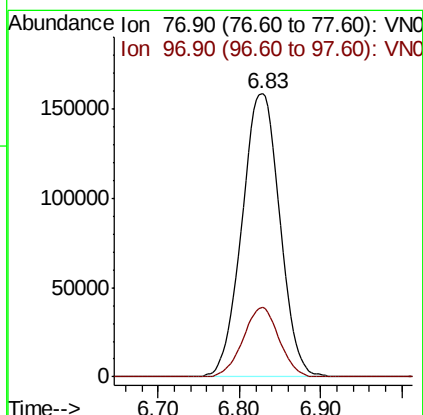
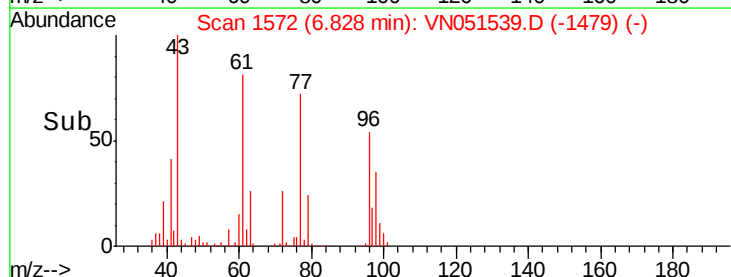
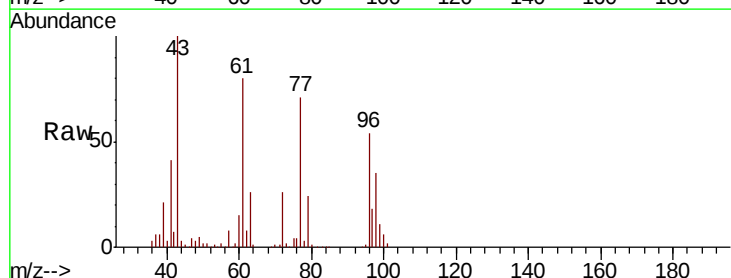
Acq: 26 Sep 2018 16:59

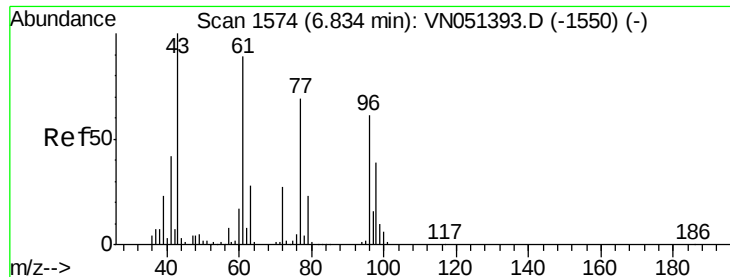
Tgt Ion: 77 Resp: 509487

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.5





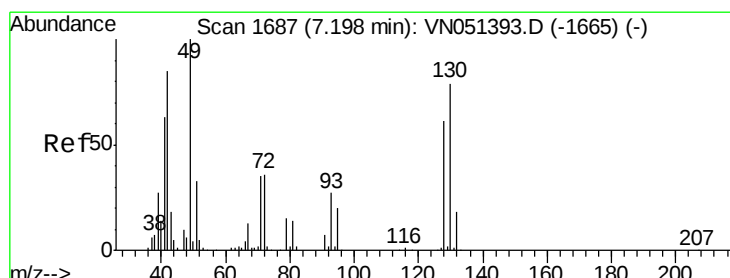
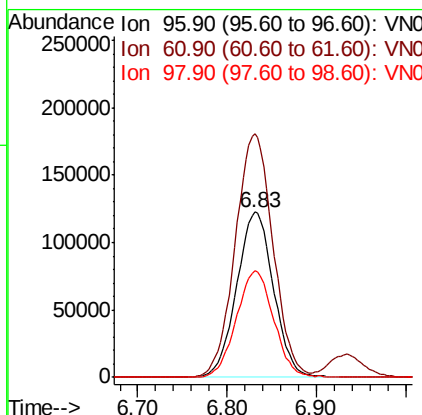
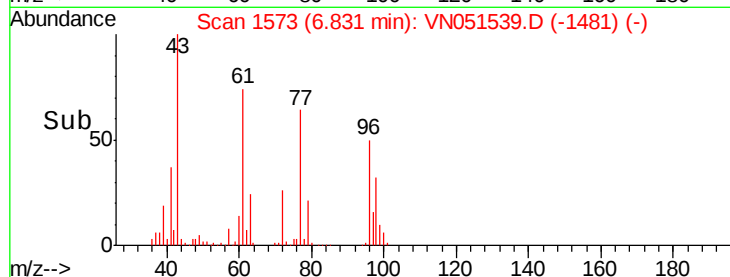
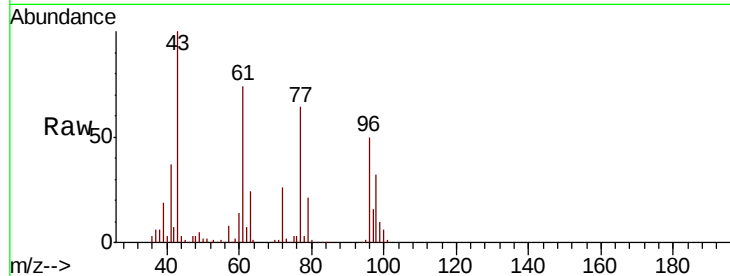
#27
 cis-1,2-Dichloroethene
 Concen: 50.266 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.3	0.0	291.4	
98	64.9	0.0	128.4	

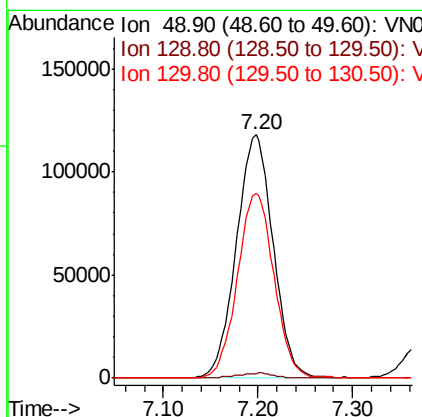
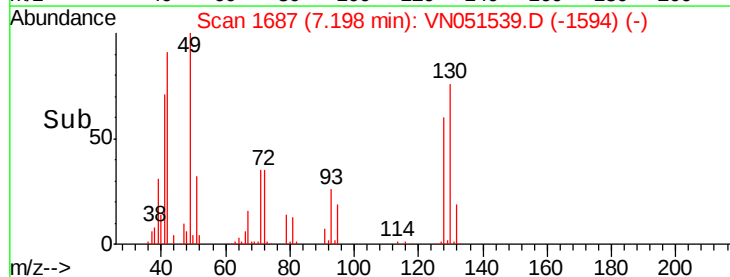
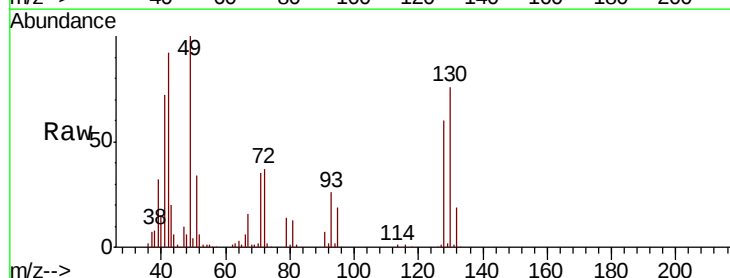
Manual Integrations
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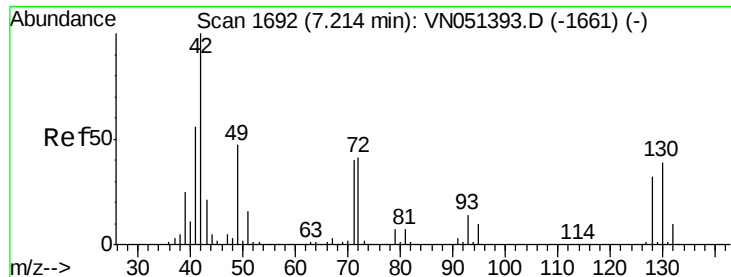
MMDadoda
 9/27/2018 3:18:42 PM



#28
 Bromochloromethane
 Concen: 57.075 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	75.7	63.0	94.4	





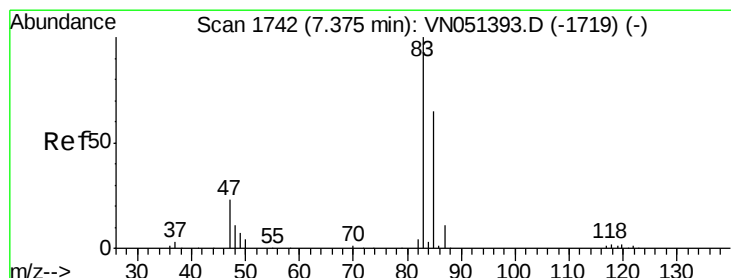
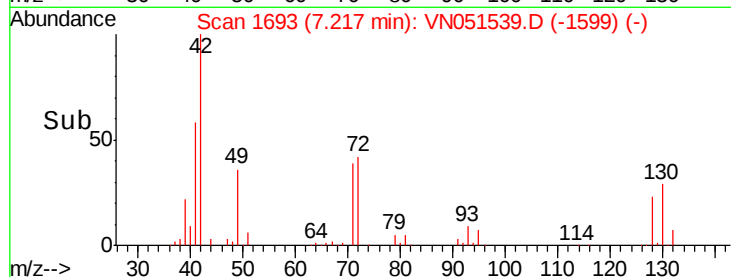
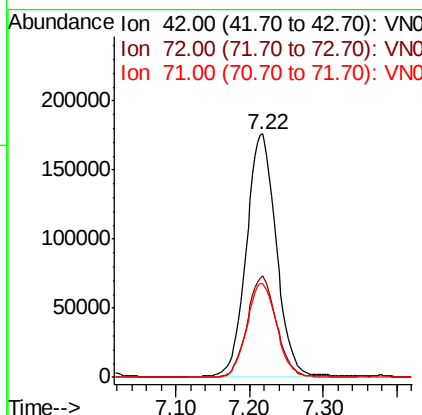
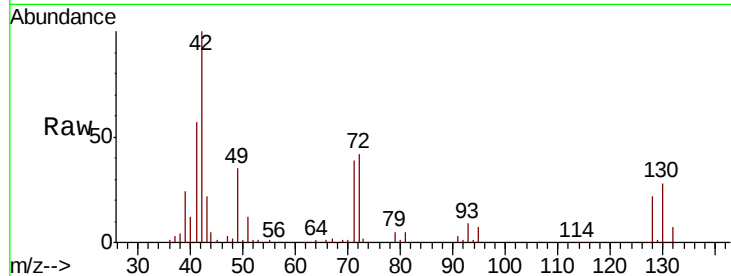
#29
Tetrahydrofuran
Concen: 326.192 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	34.3	51.5
71	38.6	32.2	48.4

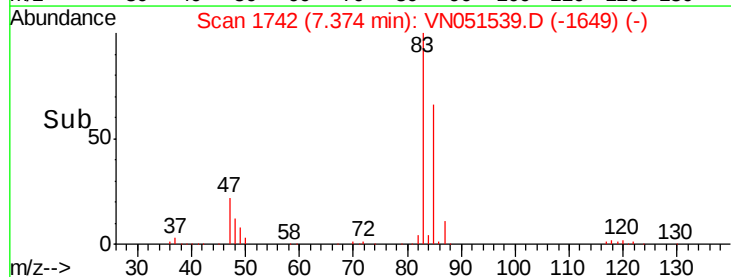
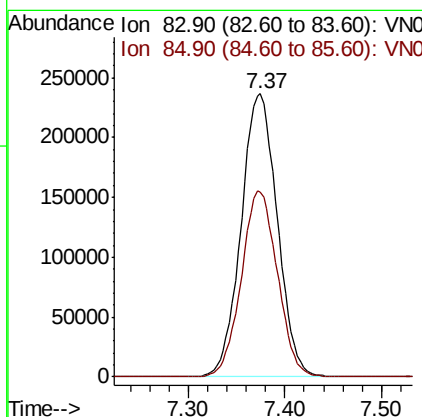
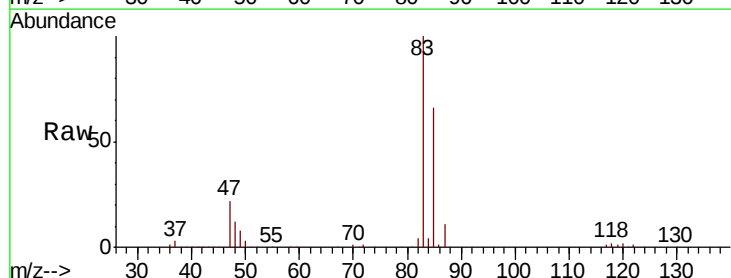
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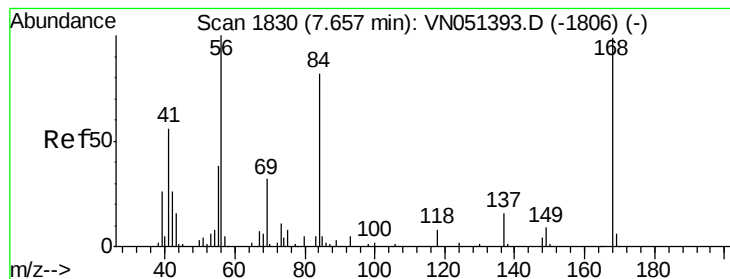
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#30
Chloroform
Concen: 51.224 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31

Cyclohexane

Concen: 46.861 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

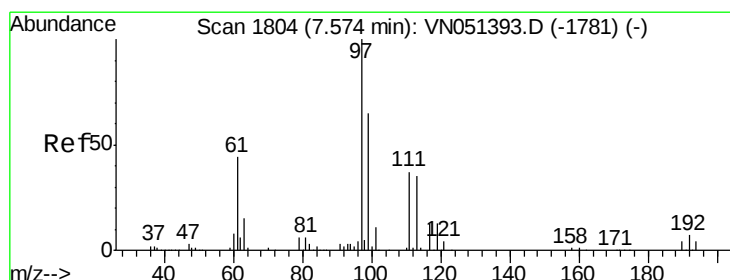
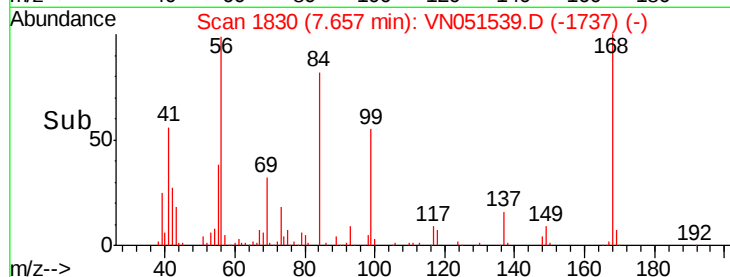
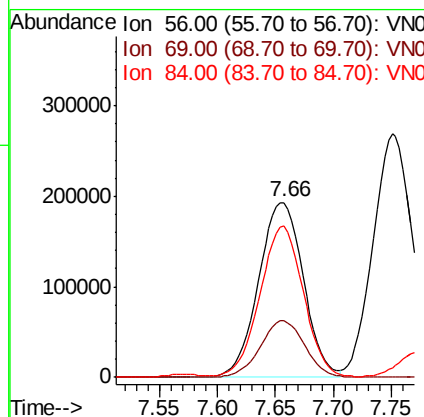
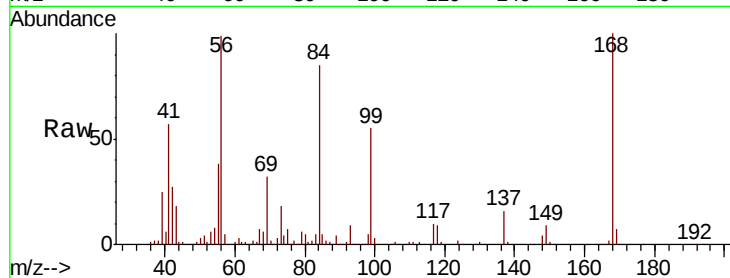
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	519594
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.8	38.6
84	84.8	66.0	99.0

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#32

1,1,1-Trichloroethane

Concen: 50.509 ug/l

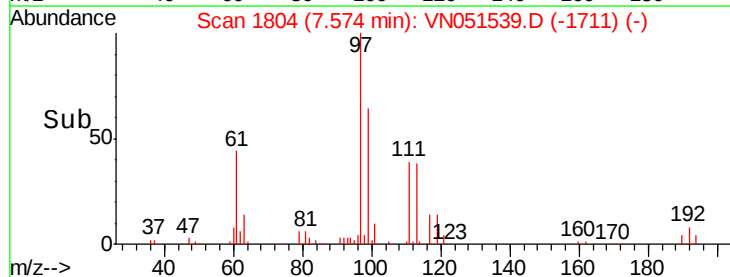
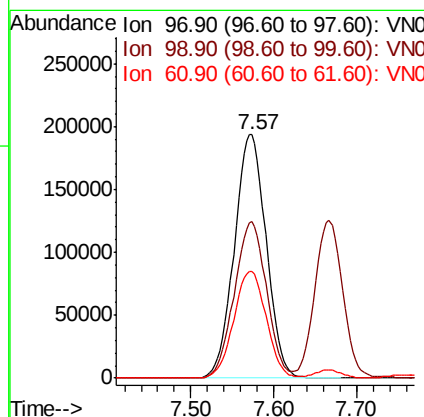
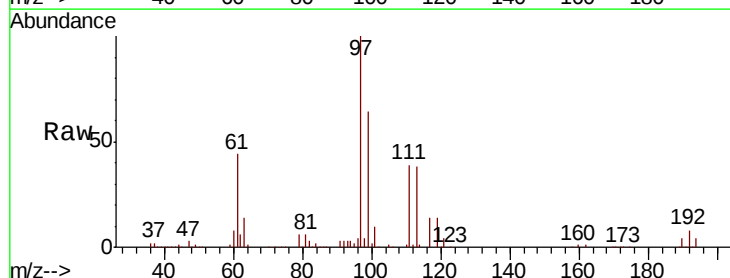
RT: 7.57 min Scan# 1804

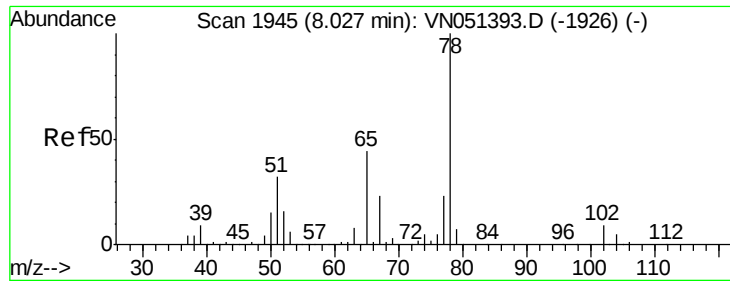
Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Tgt Ion:	97	Resp:	517796
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	44.7	35.8	53.8





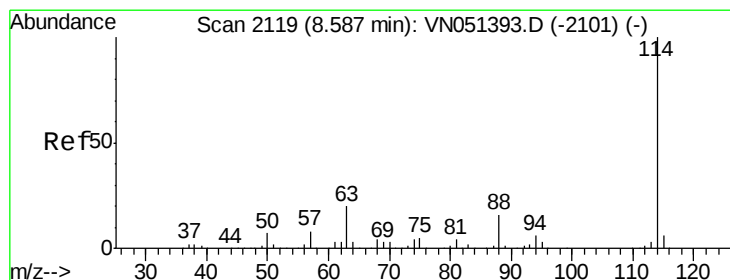
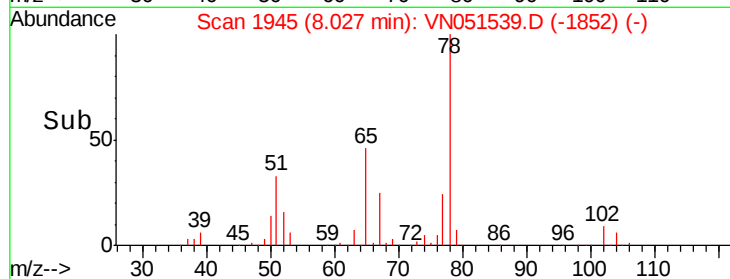
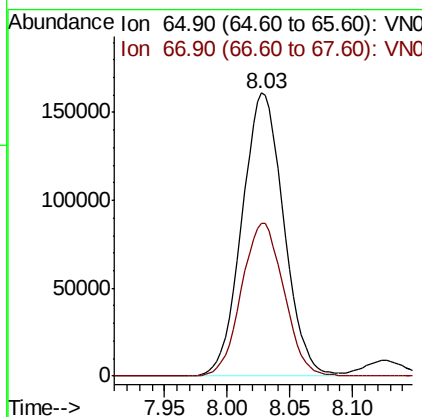
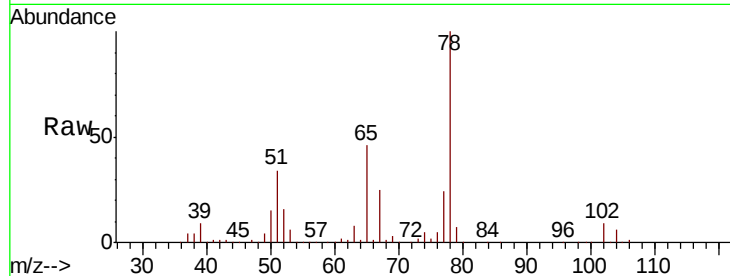
#33
 1,2-Dichloroethane-d4
 Concen: 53.155 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	107.8

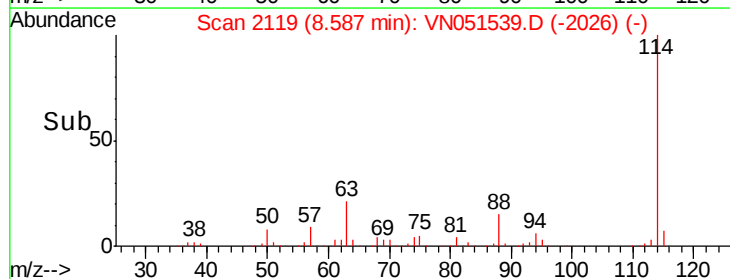
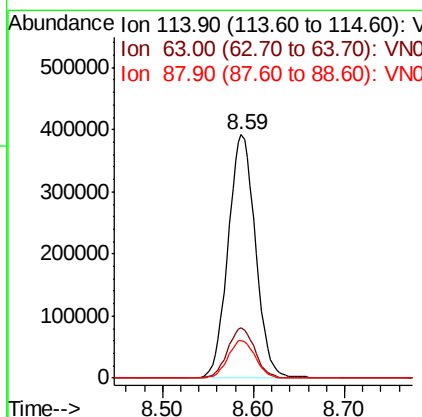
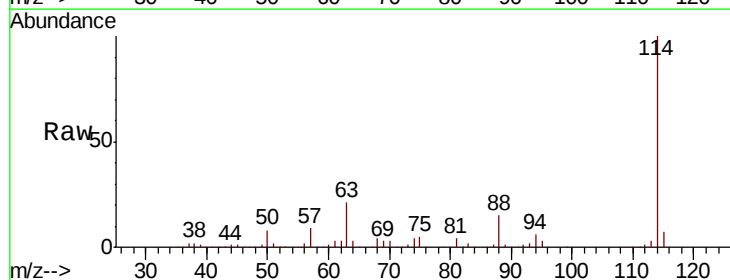
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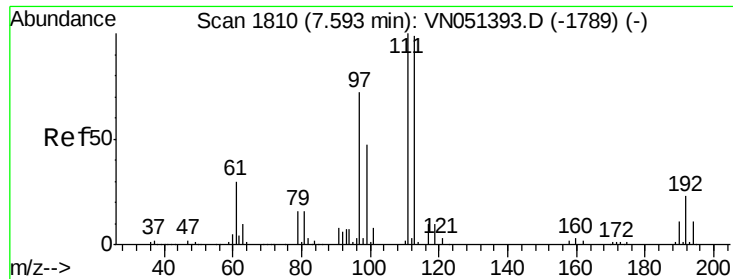
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.5	0.0	31.4





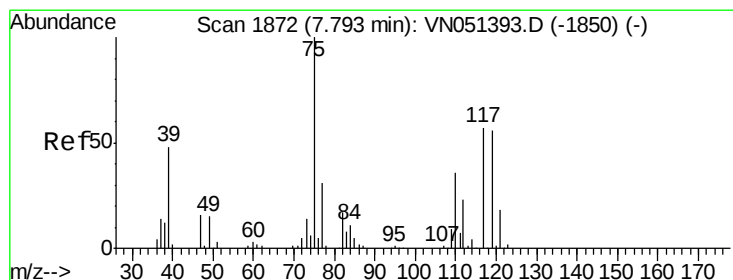
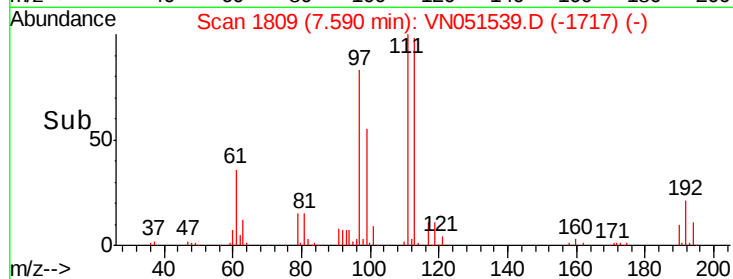
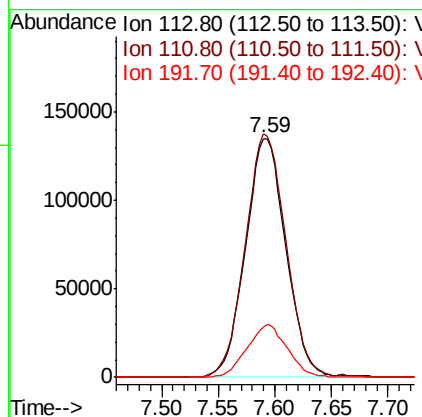
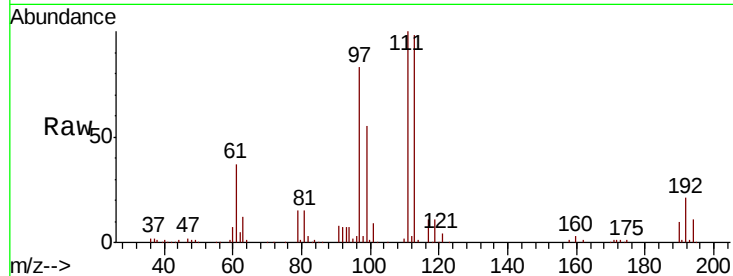
#35
 Dibromofluoromethane
 Concen: 51.112 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	82.6	123.8	
192	22.1	18.0	27.0	

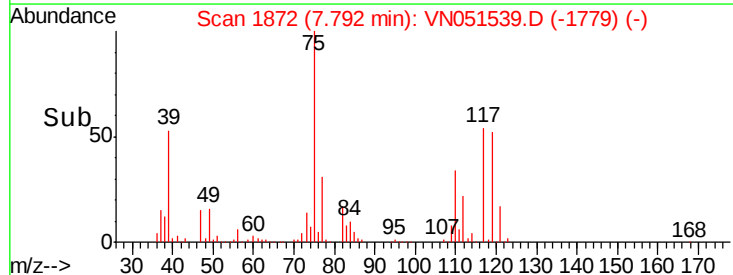
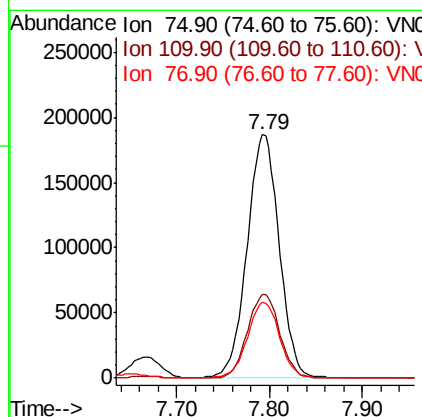
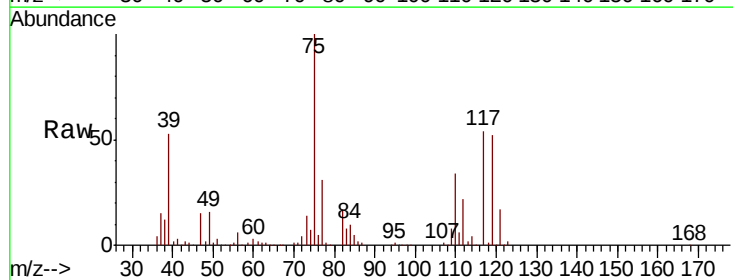
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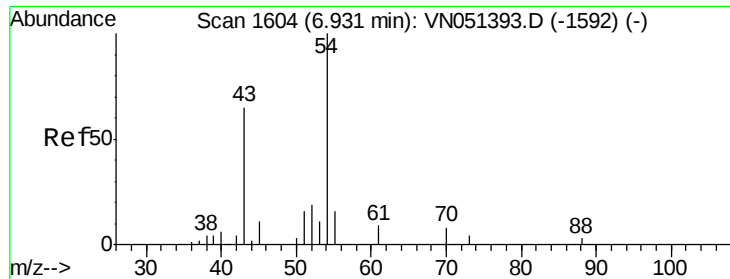
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#36
 1,1-Dichloropropene
 Concen: 47.030 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.8	18.1	54.3	
77	31.5	25.6	38.4	





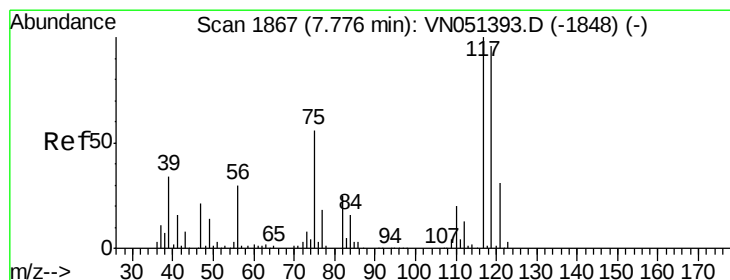
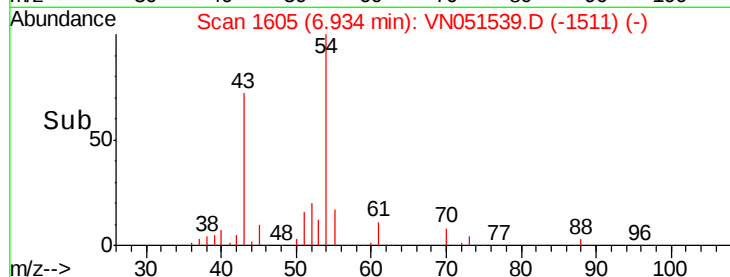
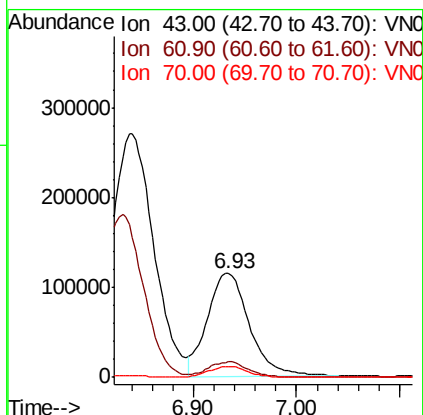
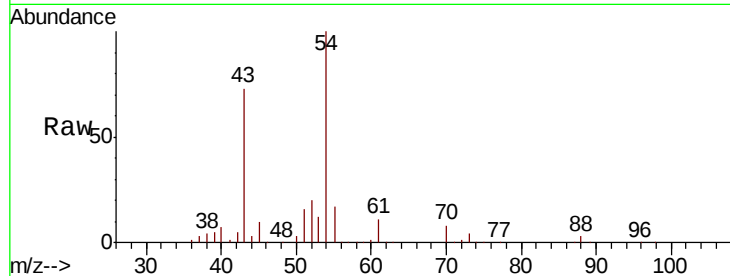
#37
Ethyl Acetate
Concen: 59.367 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.7	7.9	11.9

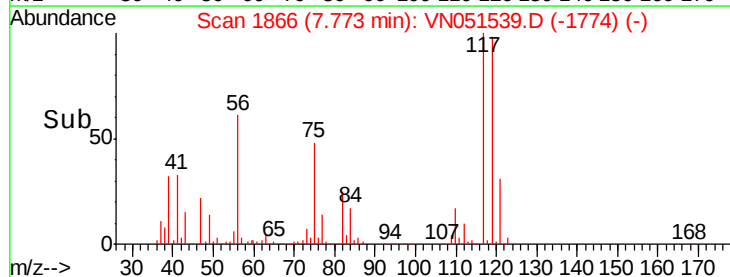
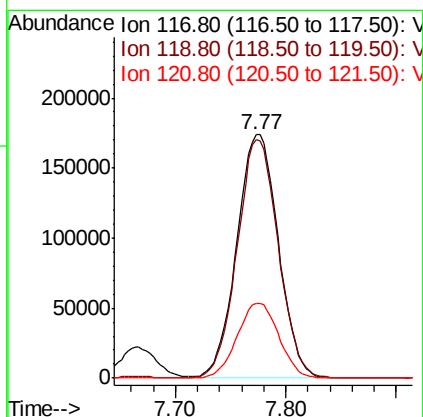
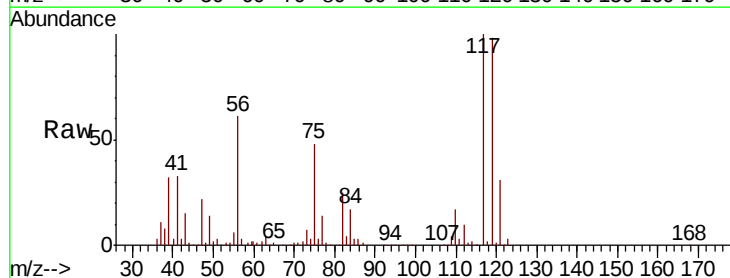
Manual Integrations
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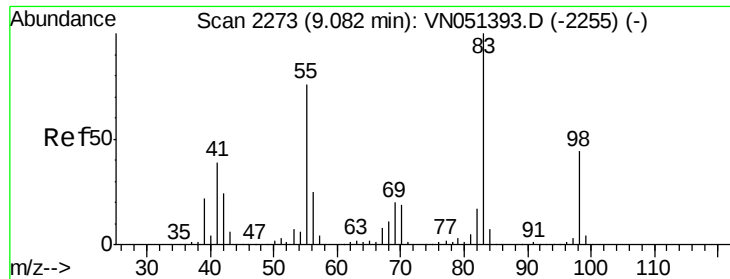
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#38
Carbon Tetrachloride
Concen: 45.641 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.9	115.3
121	30.9	24.6	37.0





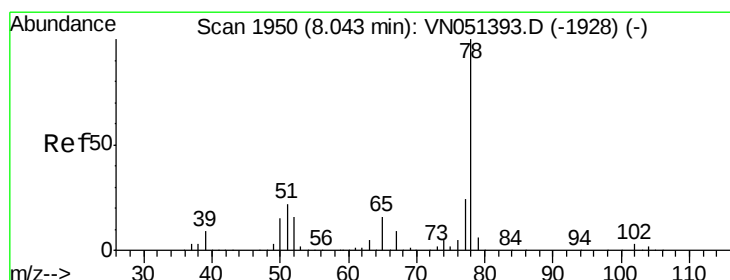
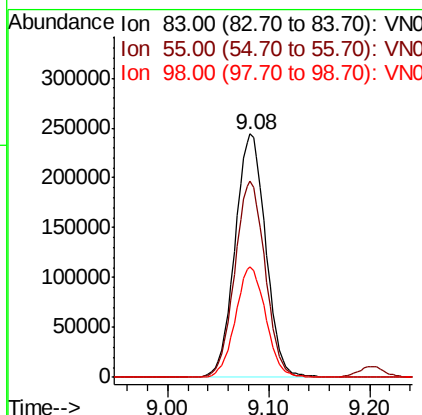
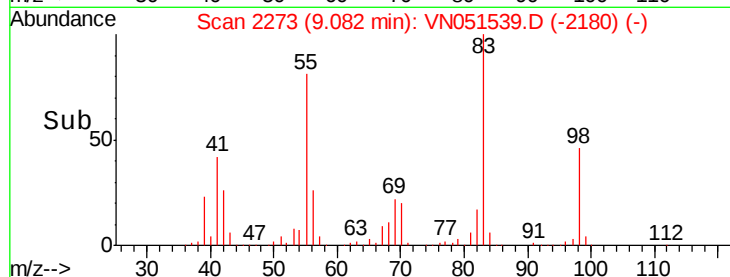
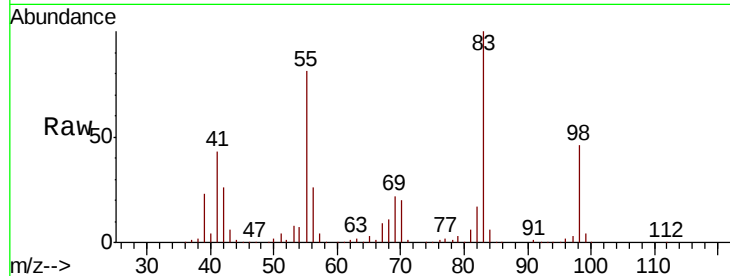
#39
Methvlcvclohexane
Concen: 46.355 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	513394
Ion Ratio	Lower	Upper	
83	100		
55	80.7	61.0	91.4
98	45.6	35.6	53.4

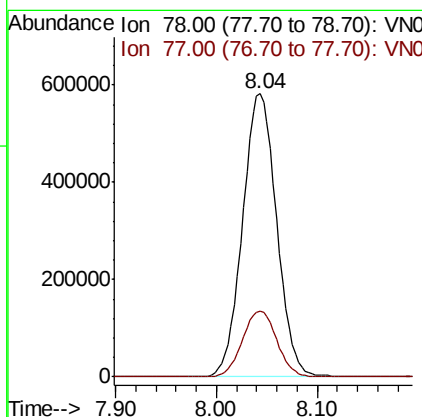
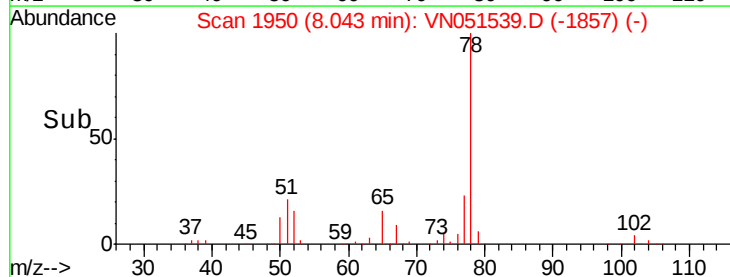
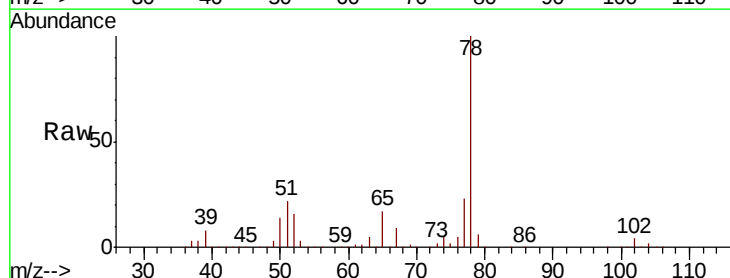
Manual Integrations
APPROVED

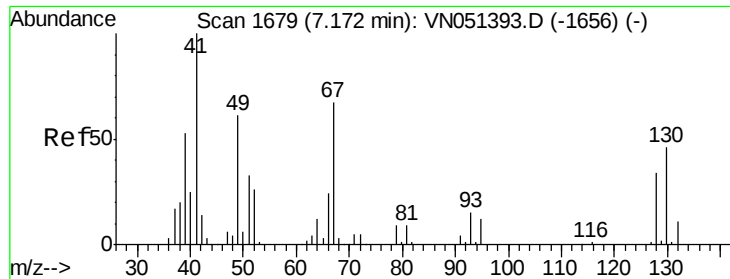
MMDadoda
9/27/2018 3:18:42 PM



#40
Benzene
Concen: 48.847 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	78.00	Resp	1358839
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.2	28.8





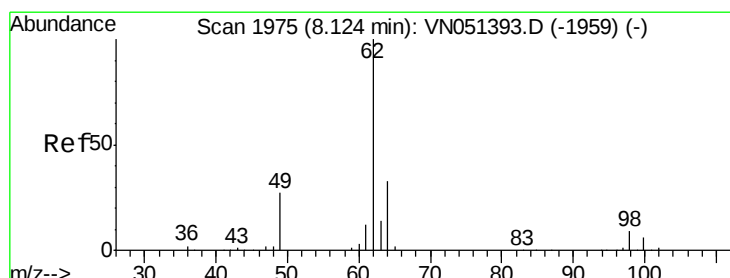
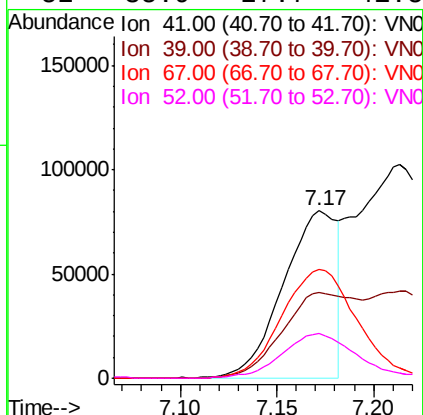
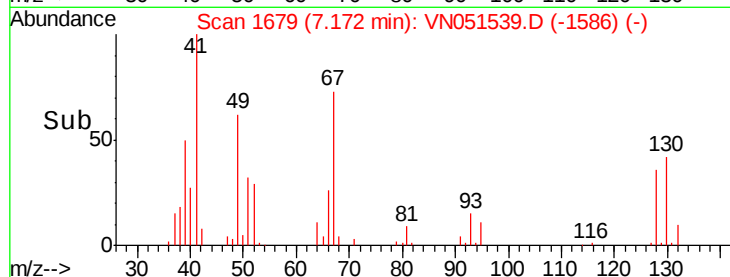
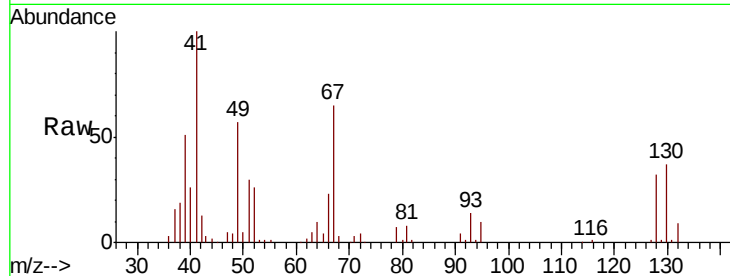
#41
Methacrylonitrile
Concen: 51.773 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.3	51.4	77.2	
67	91.2	66.8	100.2	
52	35.9	27.7	41.5	

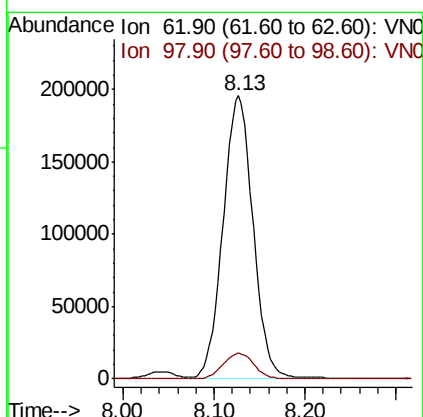
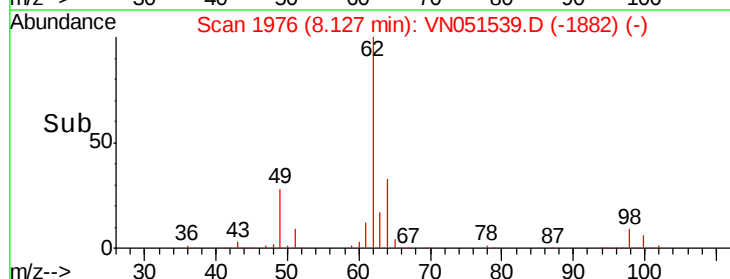
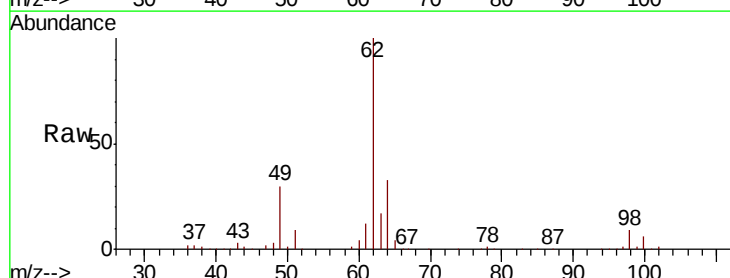
Manual Integrations
APPROVED

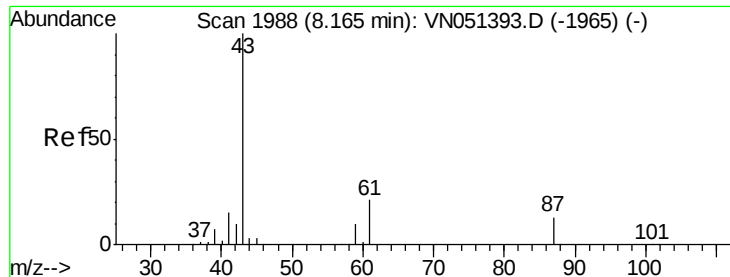
MMDadoda
9/27/2018 3:18:42 PM



#42
1,2-Dichloroethane
Concen: 50.229 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.6	





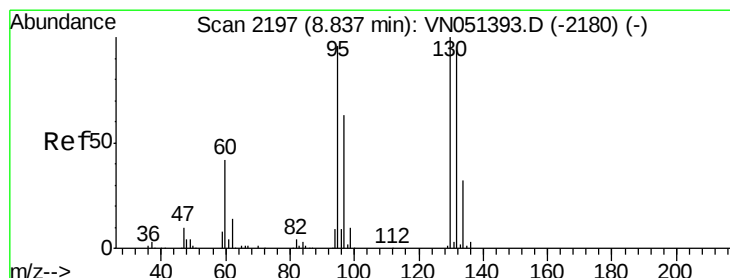
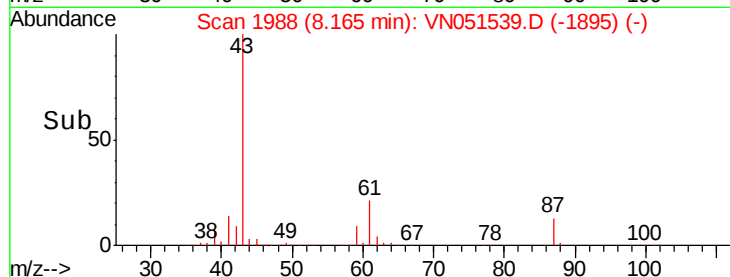
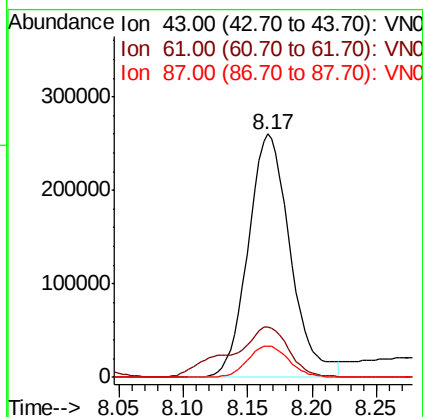
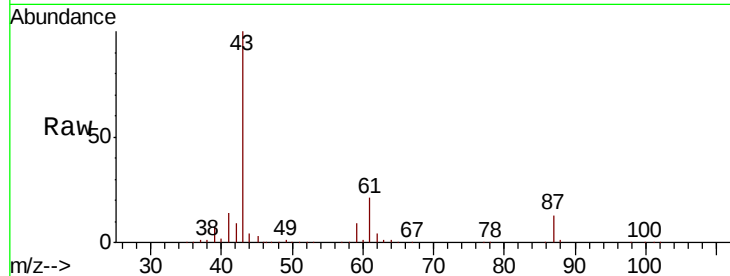
#43
Isopropyl Acetate
Concen: 60.039 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	16.8	25.2#
87	12.7	10.7	16.1

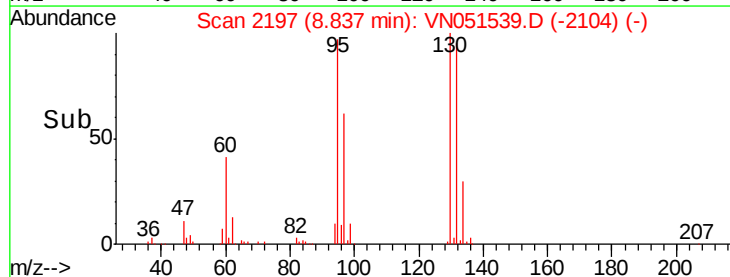
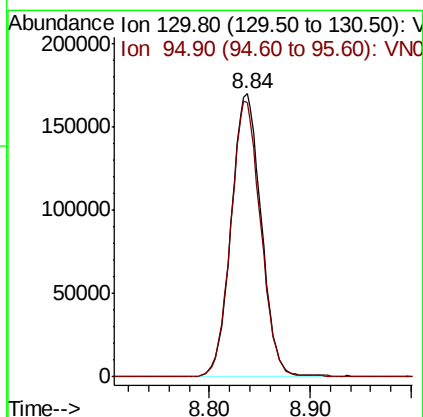
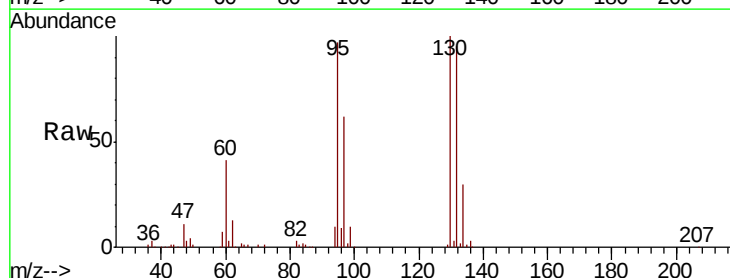
Manual Integrations
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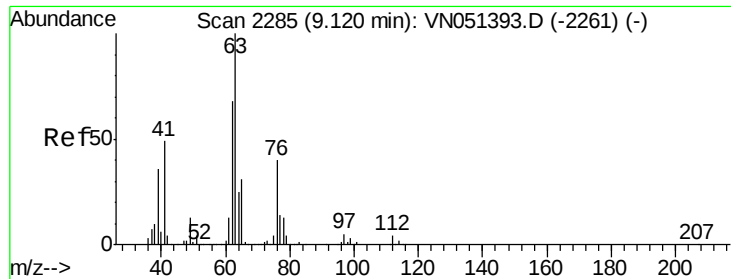
MMDadoda
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#44
Trichloroethene
Concen: 47.597 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	192.2





#45

1,2-Dichloropropane

Concen: 51.106 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 386456

Ion Ratio Lower Upper

63 100

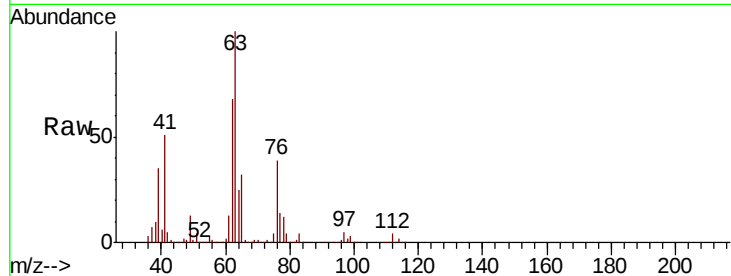
65 31.8 24.9 37.3

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.12

200000

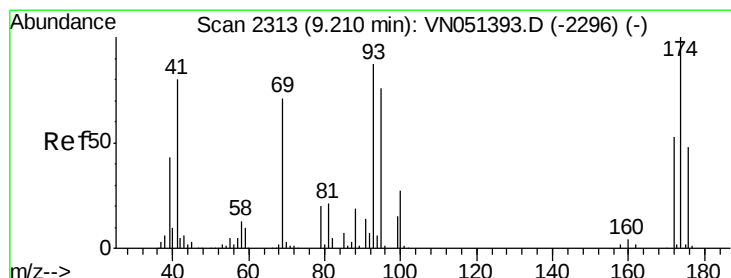
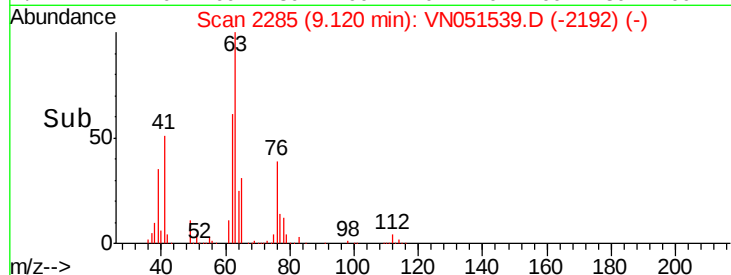
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.782 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

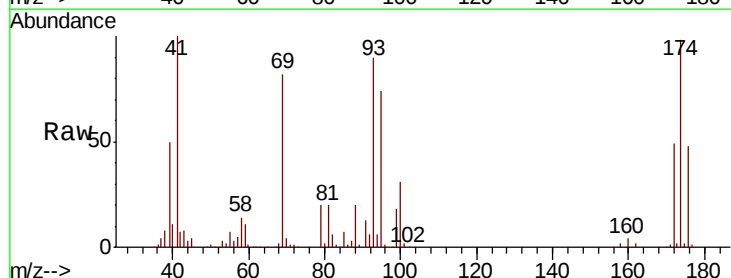
Tgt Ion: 93 Resp: 221242

Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

174 107.5 89.6 134.4



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.21

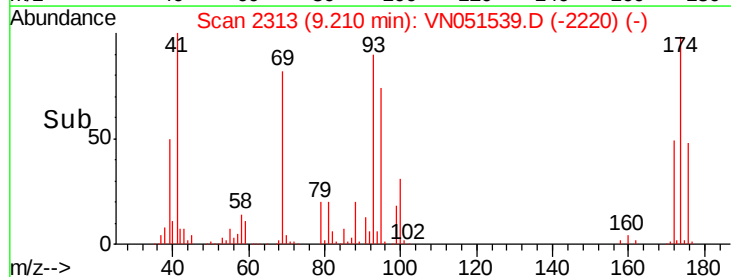
150000

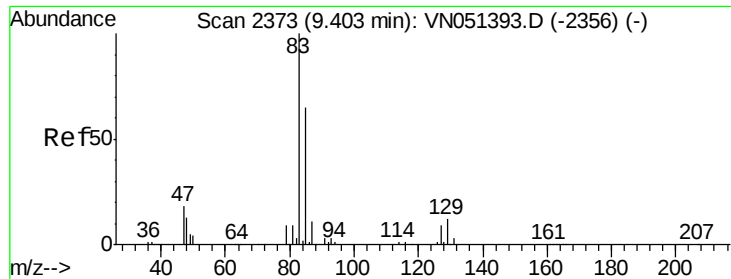
100000

50000

0

Time-->





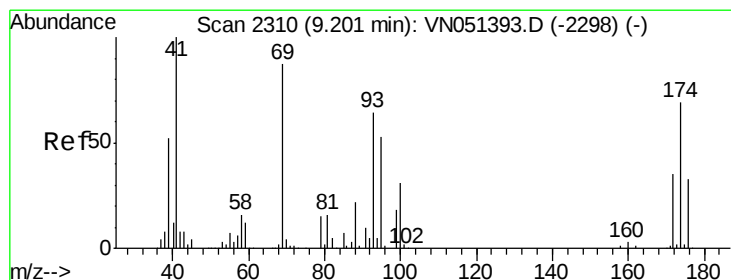
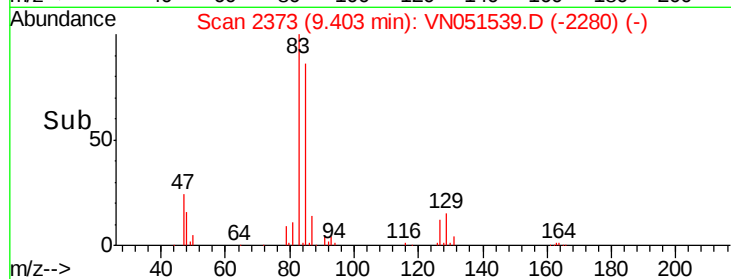
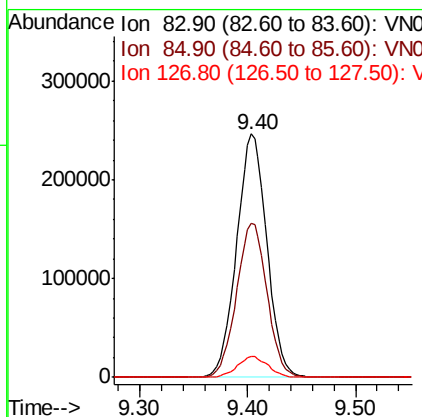
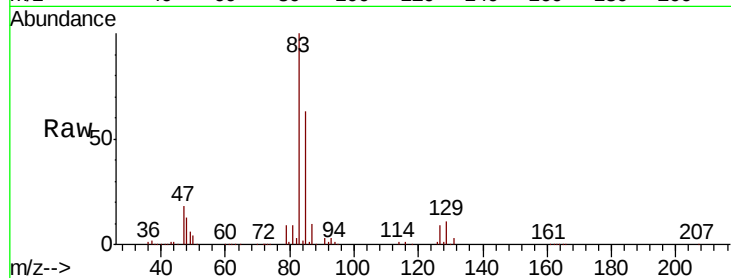
#47
Bromodichloromethane
Concen: 50.862 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.3	51.8	77.6	
127	8.8	7.4	11.2	

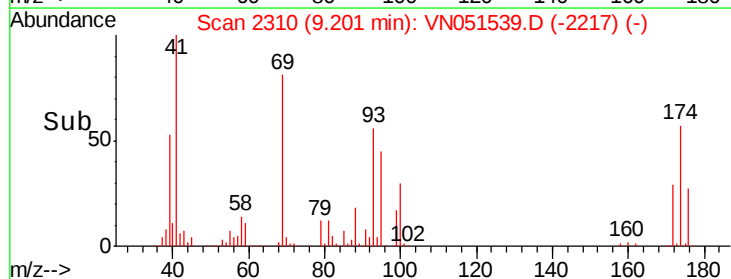
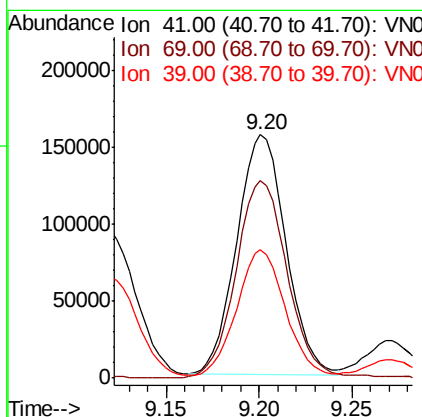
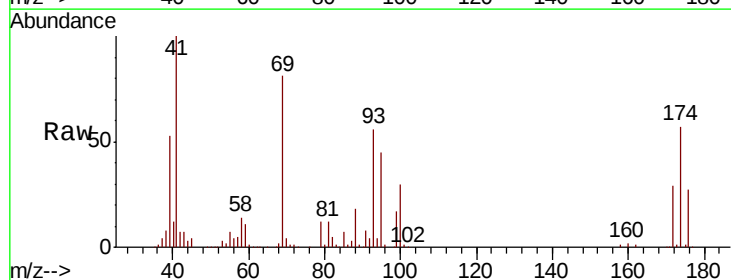
Manual Integrations
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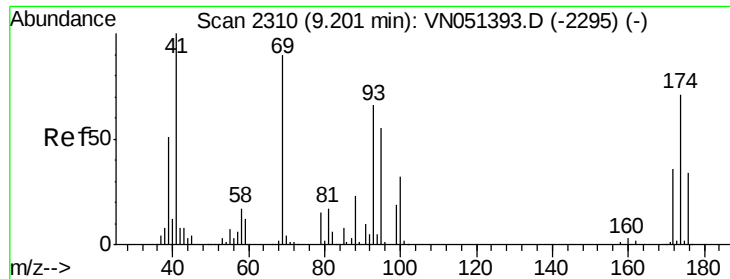
MMDadoda
9/27/2018 3:18:42 PM



#48
Methyl methacrylate
Concen: 58.771 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.8	70.4	105.6	
39	52.8	43.8	65.8	





#49

1,4-Dioxane

Concen: 1008.151 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 60677

Ion Ratio Lower Upper

88 100

43 36.6 25.9 38.9

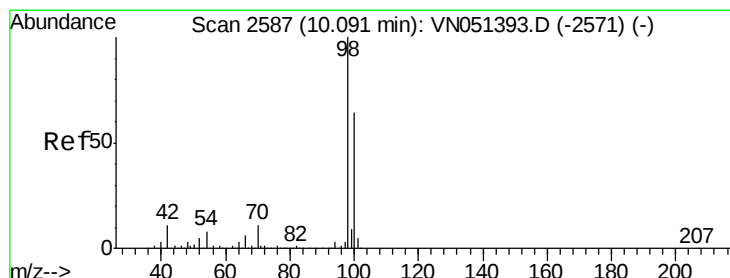
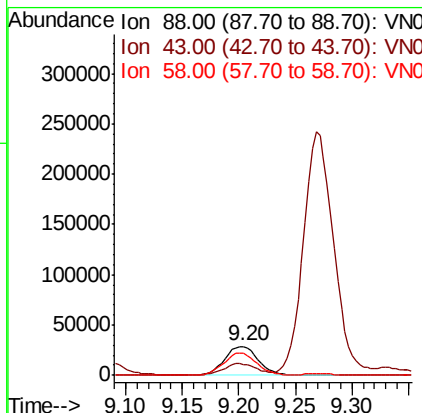
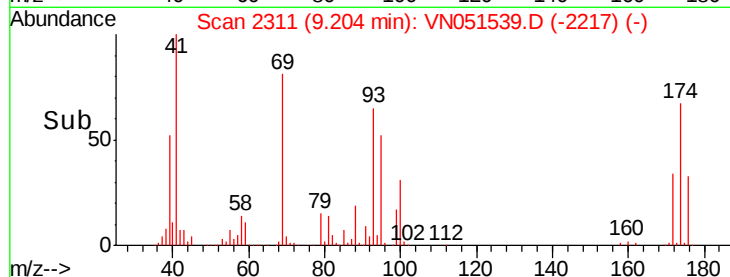
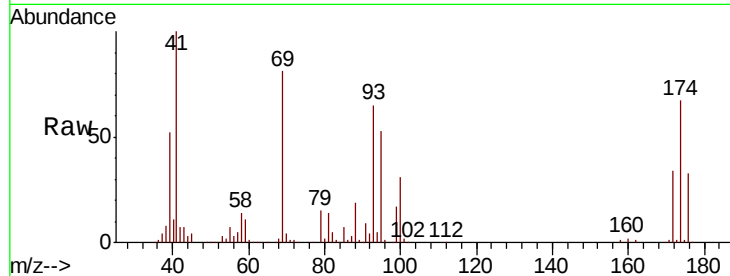
58 75.4 57.0 85.4

Manual Integrations

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#50

Toluene-d8

Concen: 50.509 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051539.D

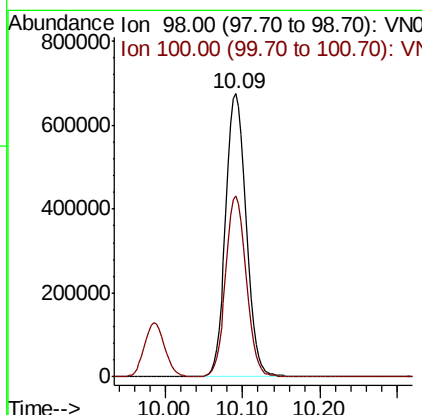
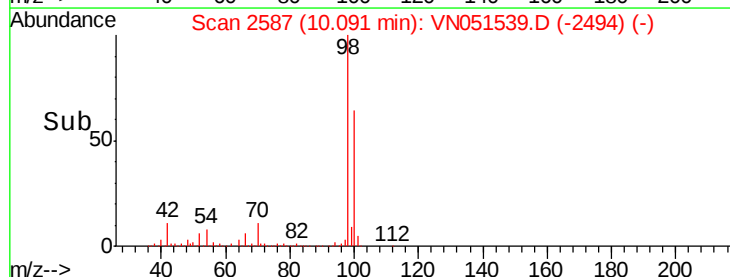
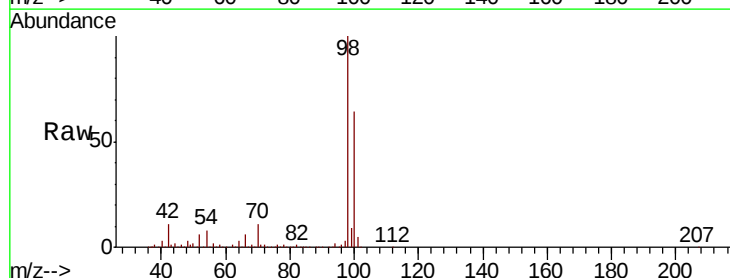
Acq: 26 Sep 2018 16:59

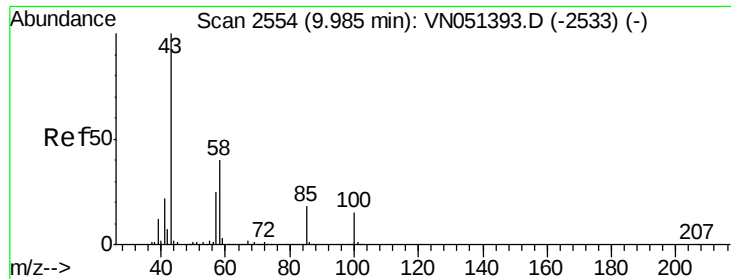
Tgt Ion: 98 Resp: 1244333

Ion Ratio Lower Upper

98 100

100 64.0 50.6 75.8





#51

4-Methyl-2-Pentanone

Concen: 308.094 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1669010

Ion Ratio Lower Upper

43 100

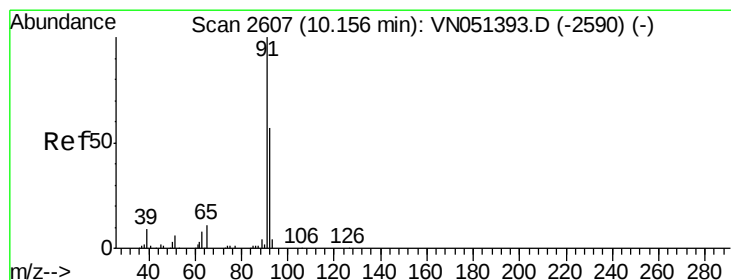
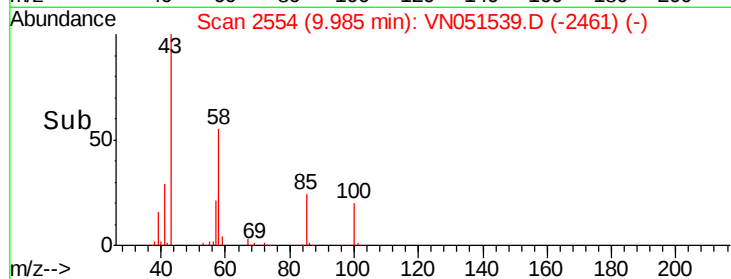
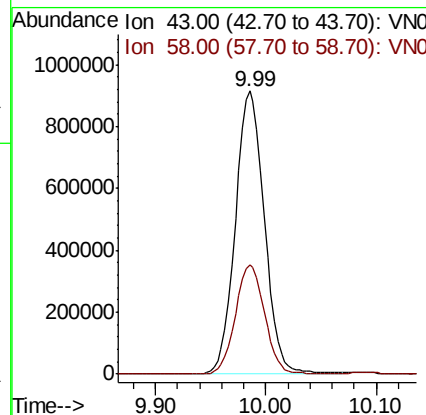
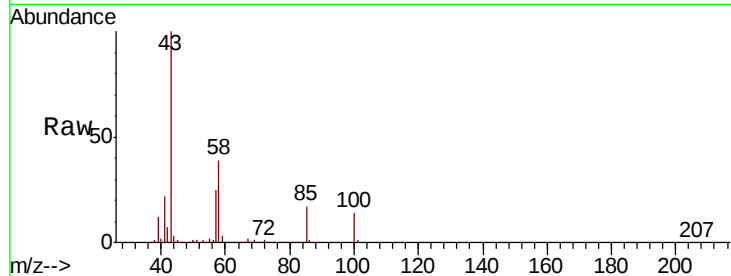
58 39.0 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 48.794 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051539.D

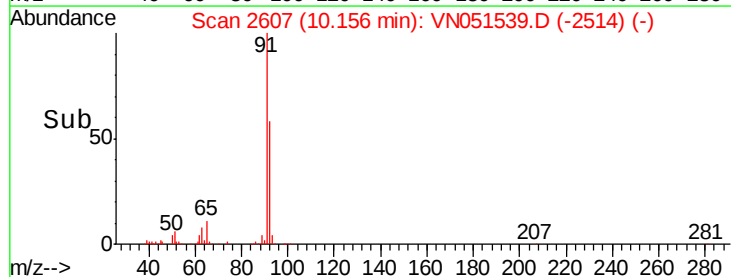
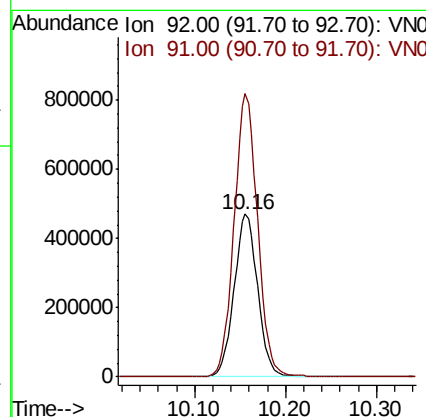
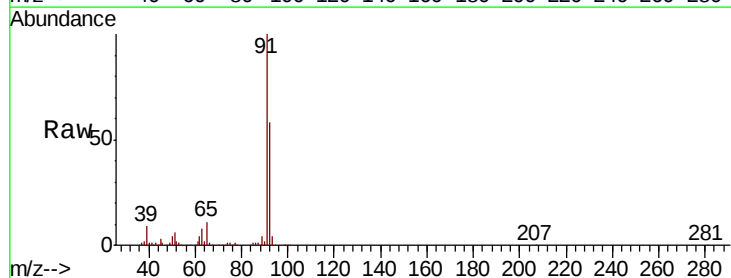
Acq: 26 Sep 2018 16:59

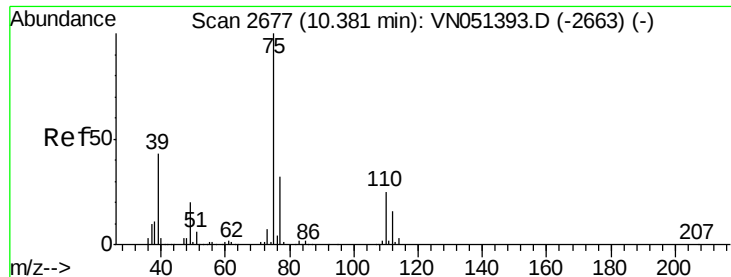
Tgt Ion: 92 Resp: 843543

Ion Ratio Lower Upper

92 100

91 173.8 142.2 213.4





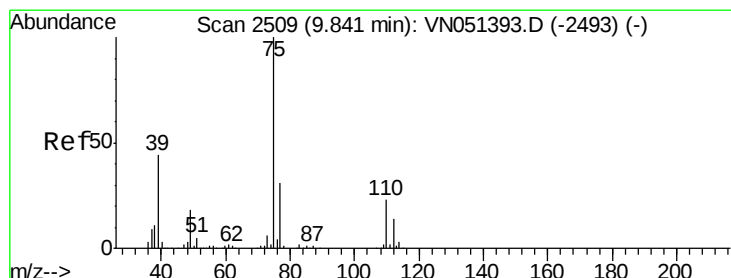
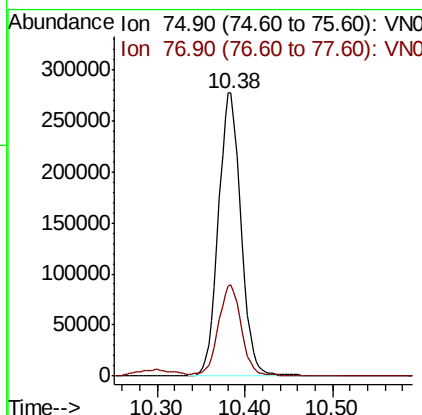
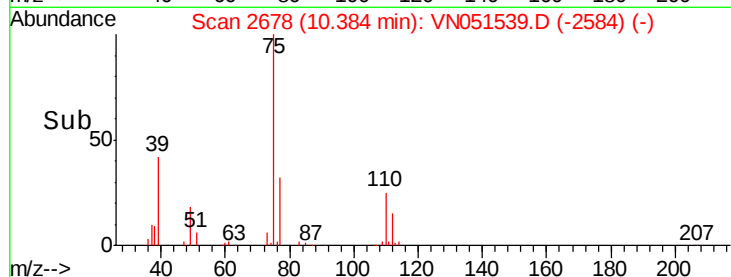
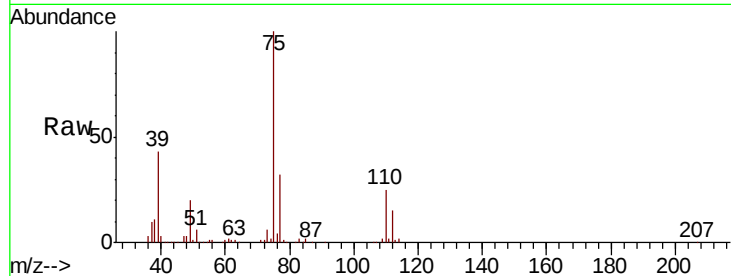
#53
t-1,3-Dichloropropene
Concen: 52.073 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 497074
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8

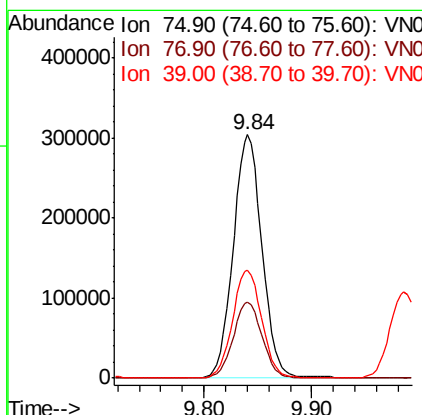
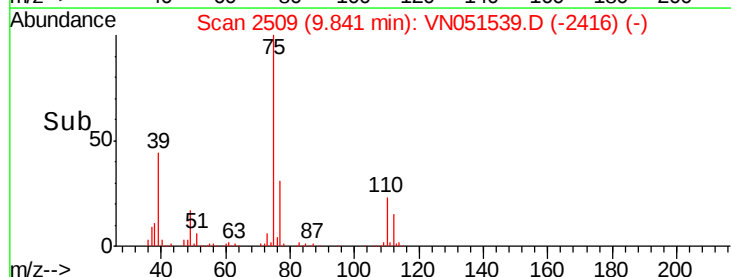
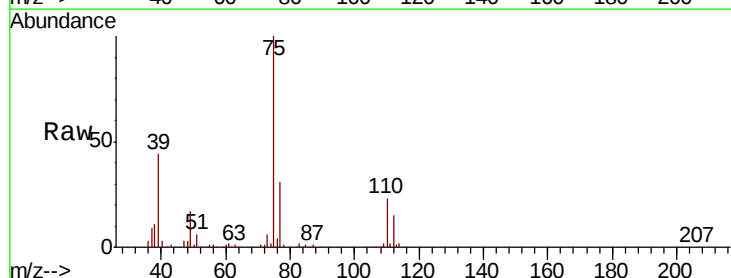
Manual Integrations
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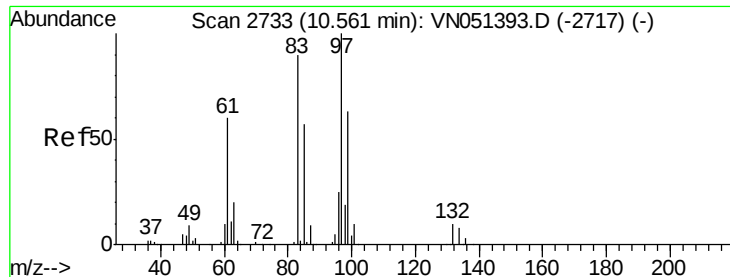
MMDadoda
9/27/2018 3:18:42 PM



#54
cis-1,3-Dichloropropene
Concen: 50.939 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion: 75 Resp: 563896
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 44.4 35.4 53.2





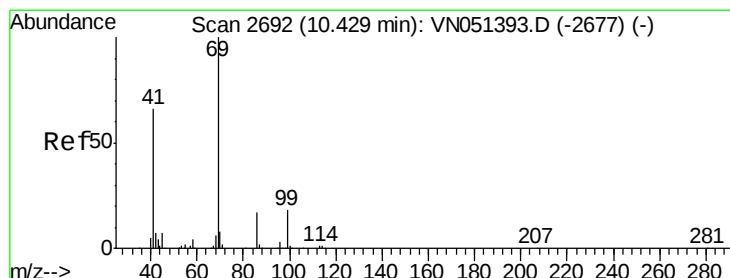
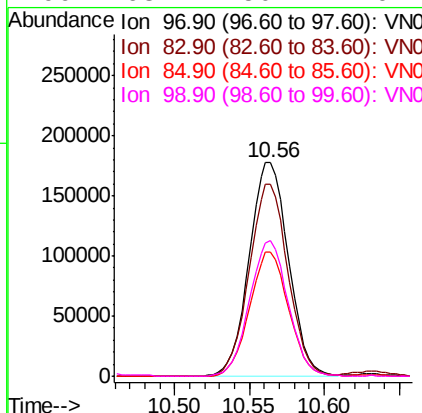
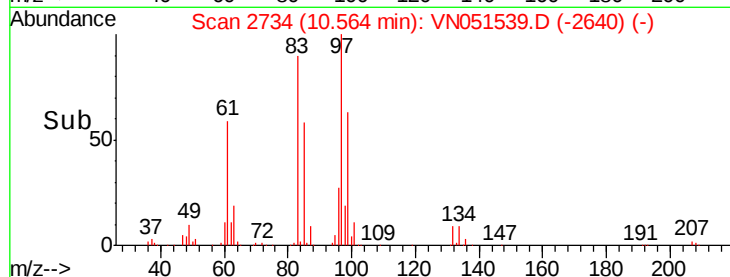
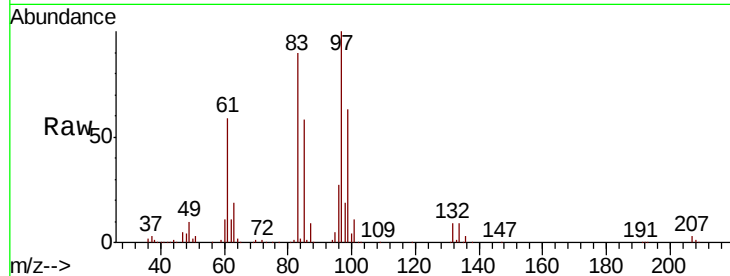
#55
 1,1,2-Trichloroethane
 Concen: 53.139 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	324670
Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.0	108.0
85	58.3	45.2	67.8
99	63.2	50.7	76.1

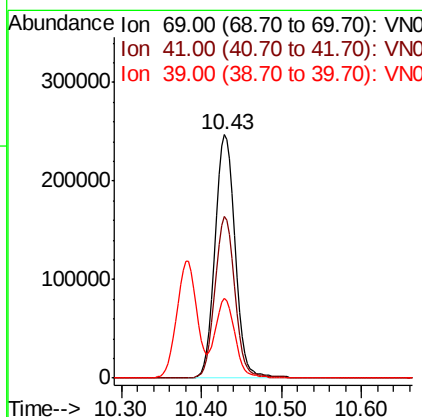
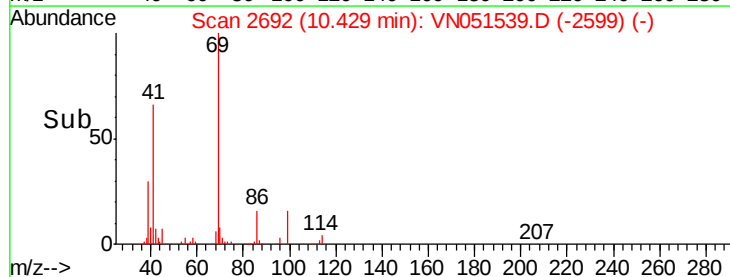
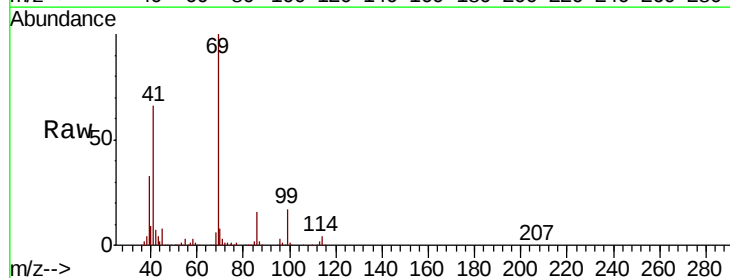
Manual Integrations
 APPROVED

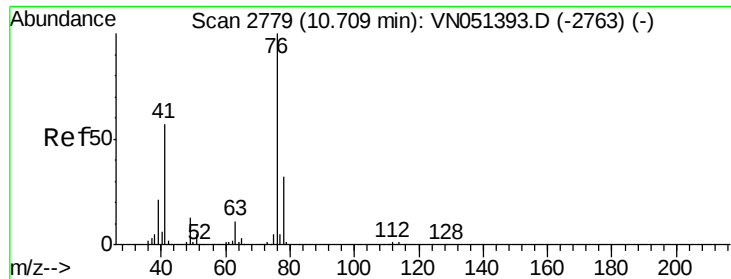
MMDadoda
 9/27/2018 3:18:42 PM



#56
 Ethyl methacrylate
 Concen: 58.238 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion:	69	Resp:	435041
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.4	78.6
39	32.6	26.3	39.5





#57

1,3-Dichloropropane

Concen: 52.630 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 551149

Ion Ratio Lower Upper

76 100

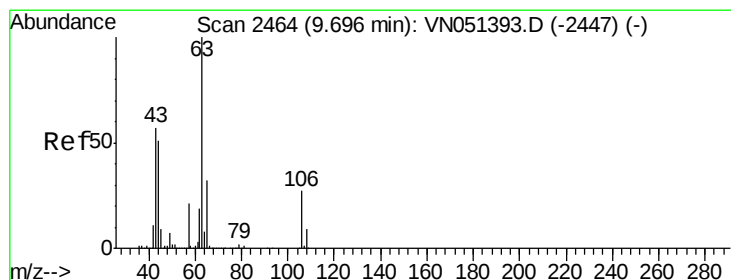
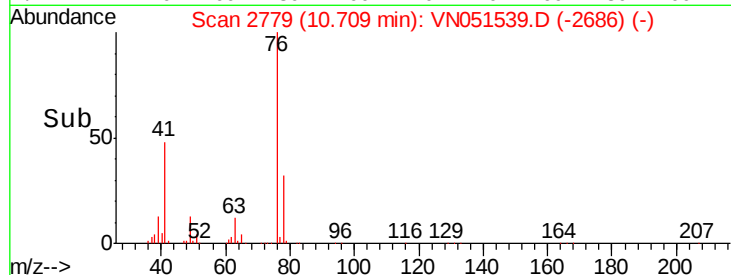
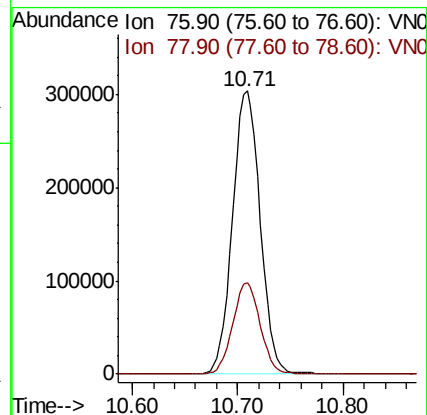
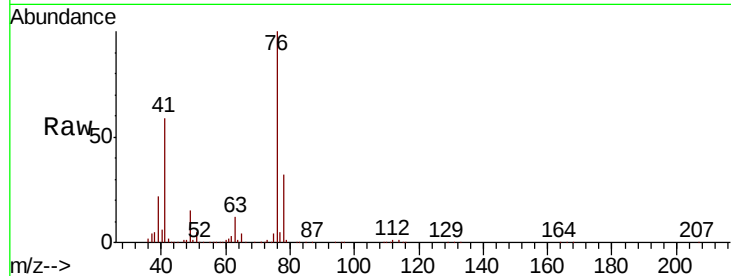
78 32.1 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 265.659 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051539.D

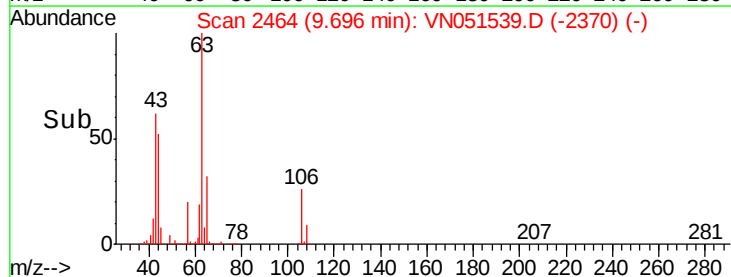
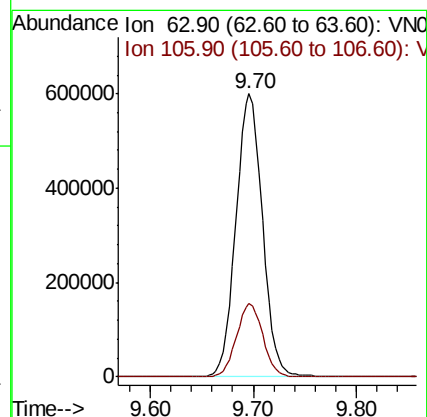
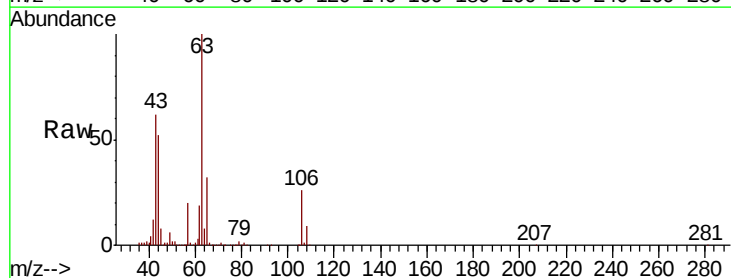
Acq: 26 Sep 2018 16:59

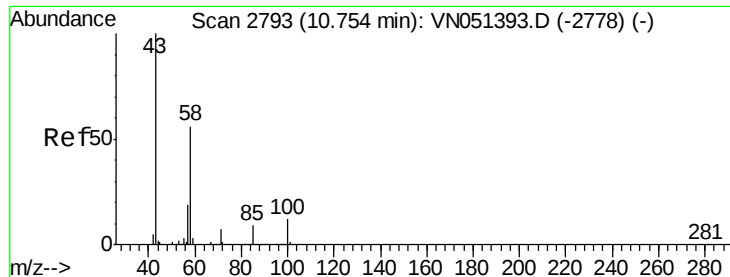
Tgt Ion: 63 Resp: 1079572

Ion Ratio Lower Upper

63 100

106 25.8 21.4 32.2





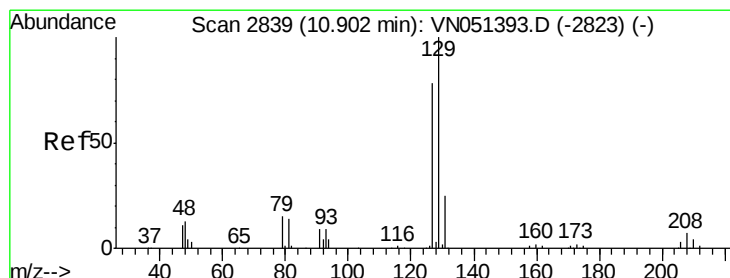
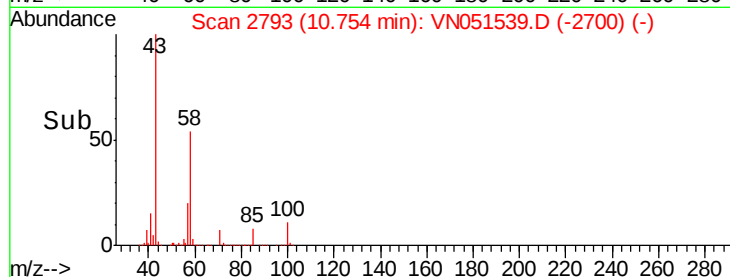
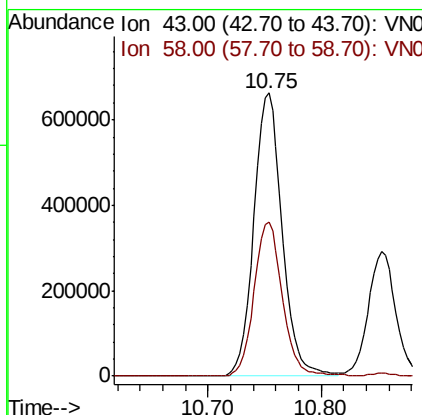
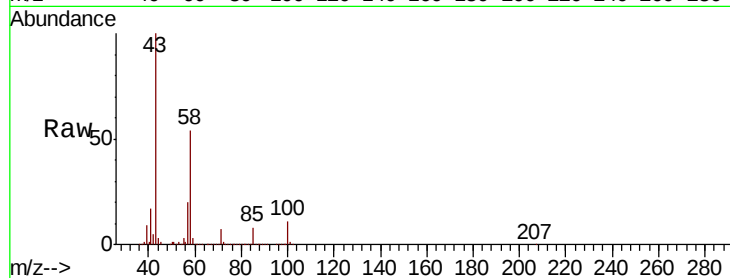
#59
2-Hexanone
Concen: 327.417 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1149817
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.0

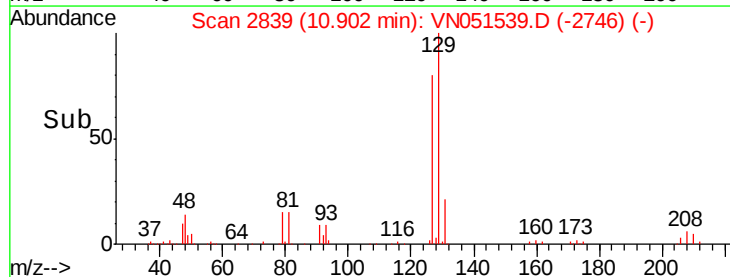
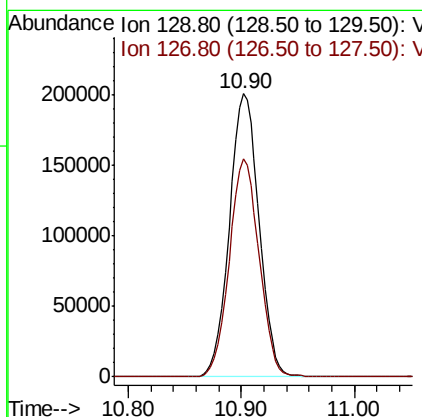
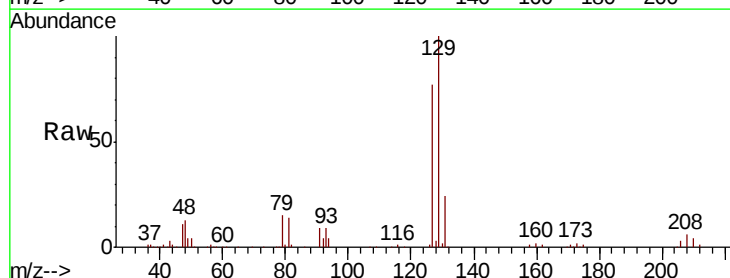
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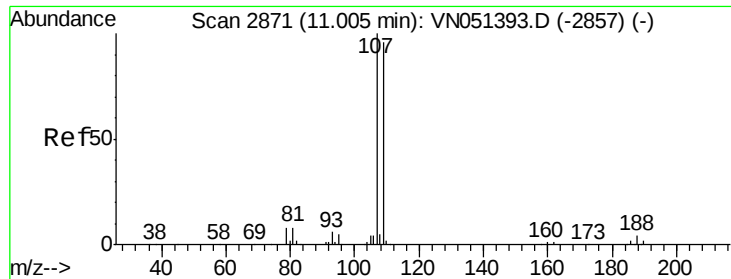
MMDadoda
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#60
Dibromochloromethane
Concen: 50.743 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion: 129 Resp: 365798
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





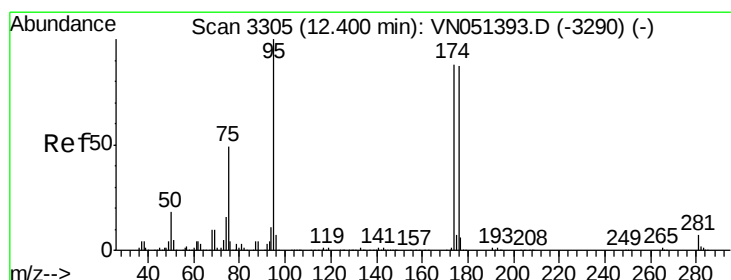
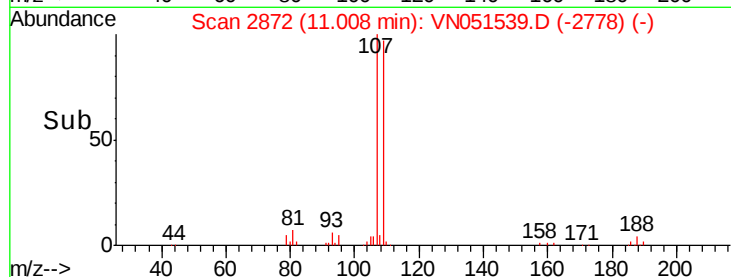
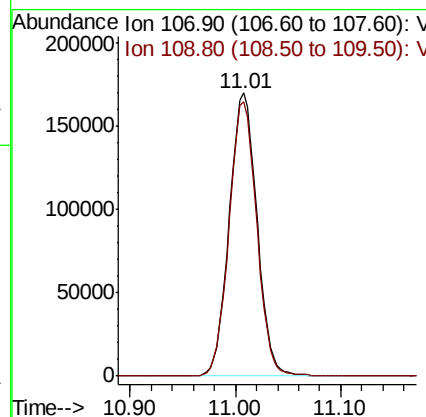
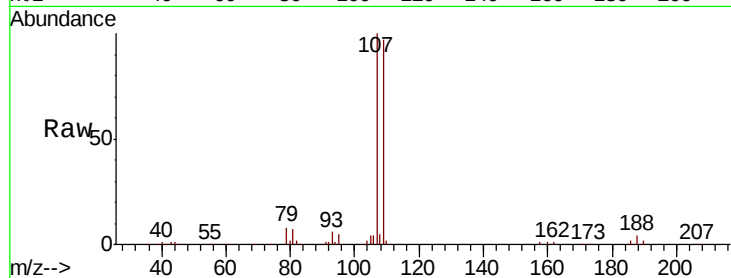
#61
 1,2-Dibromoethane
 Concen: 52.253 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	76.3	114.5

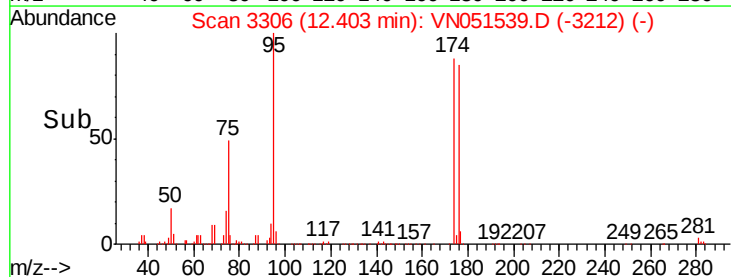
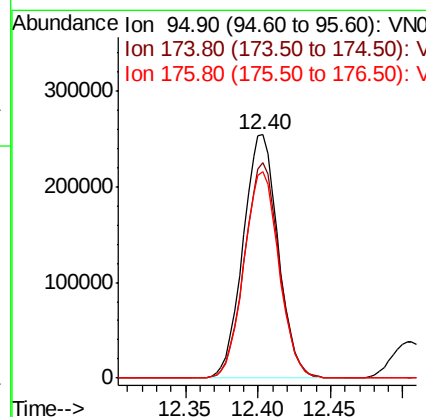
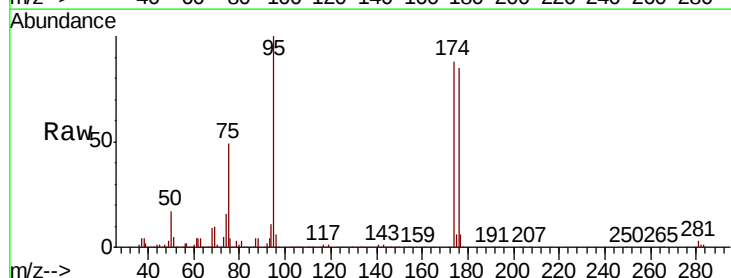
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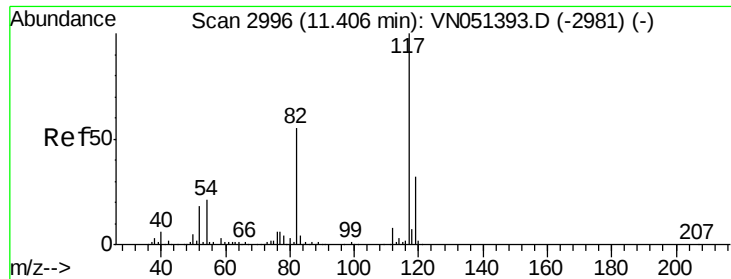
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#62
 4-Bromofluorobenzene
 Concen: 53.711 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	181.6
176	84.5	0.0	176.4





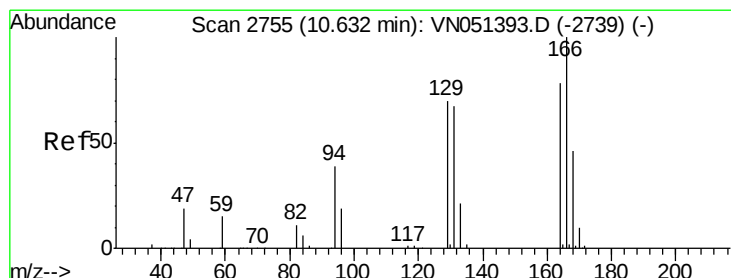
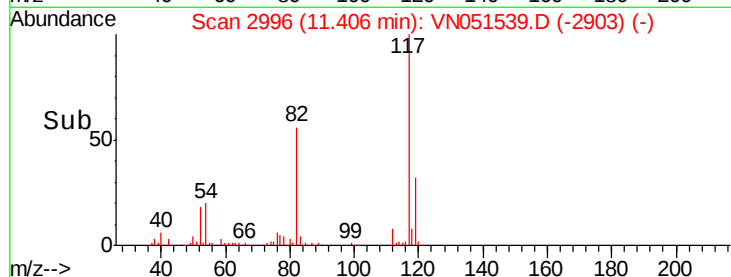
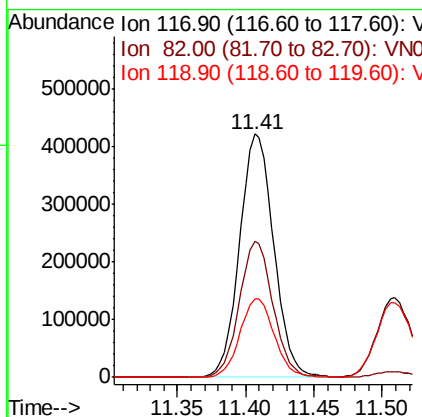
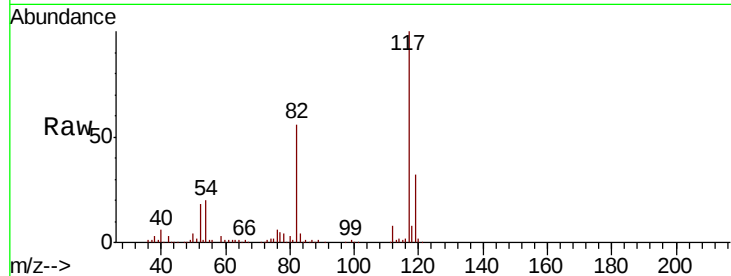
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.2	66.2
119	32.1	25.9	38.9

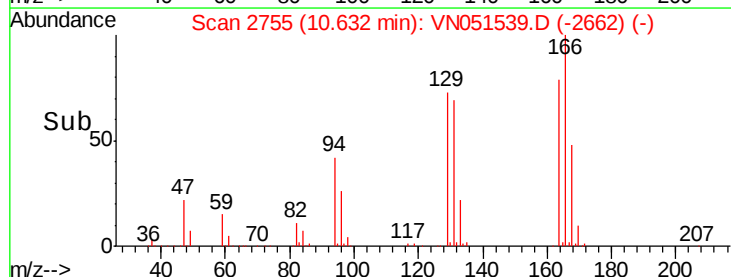
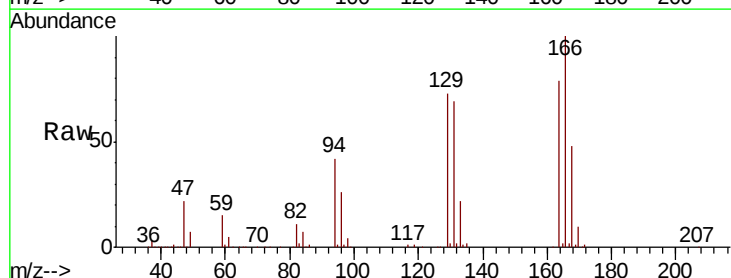
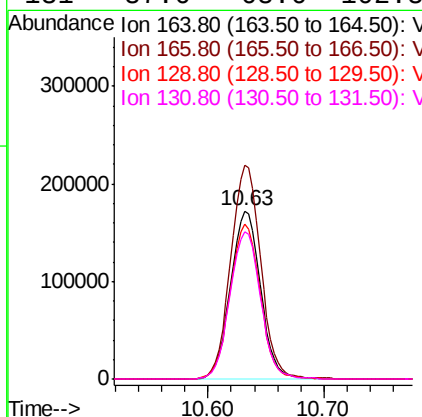
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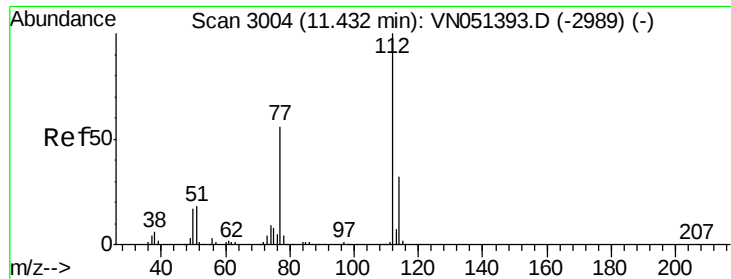
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#64
Tetrachloroethene
Concen: 46.168 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.3	153.5
129	92.3	71.8	107.8
131	87.6	68.6	102.8





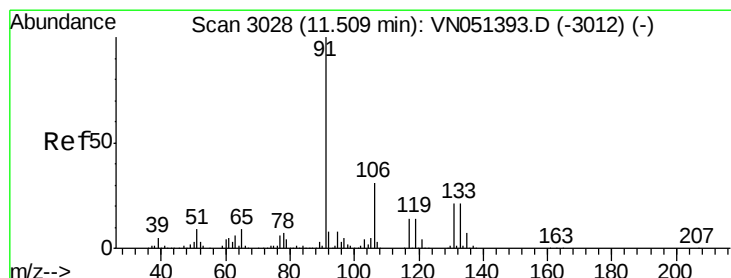
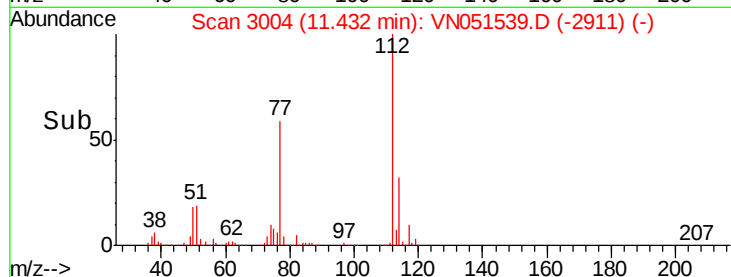
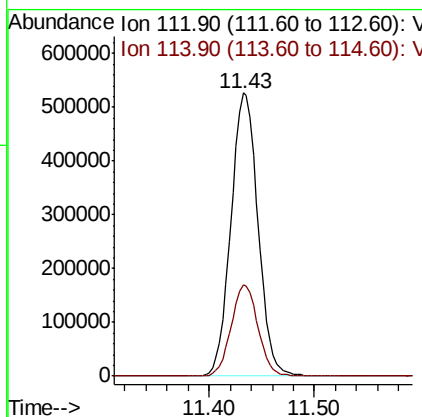
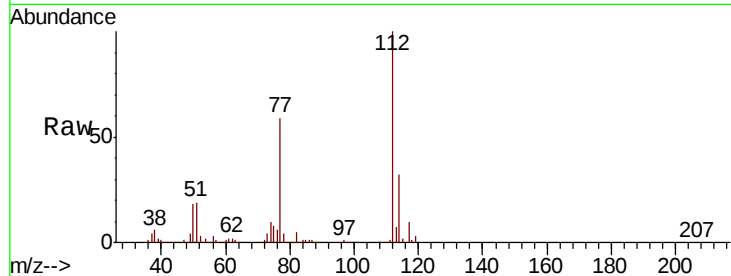
#65
Chlorobenzene
Concen: 49.388 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

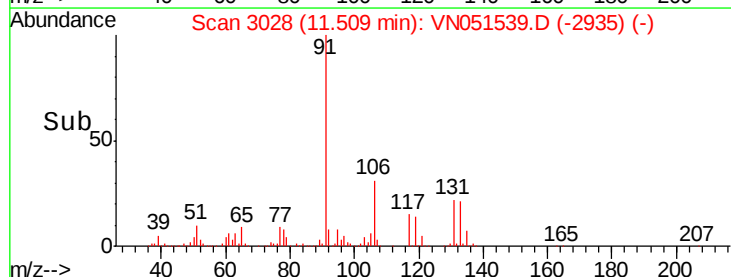
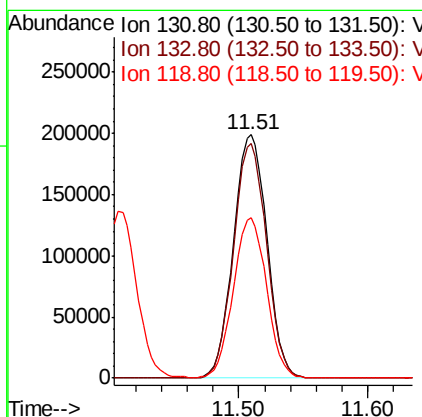
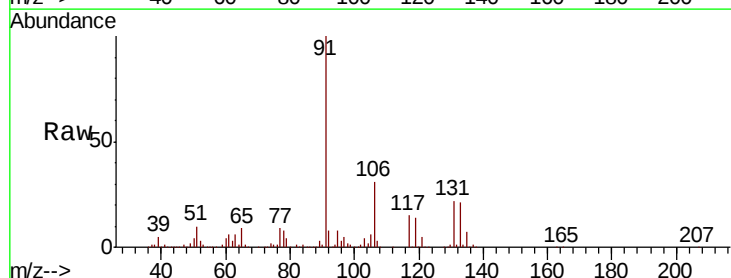
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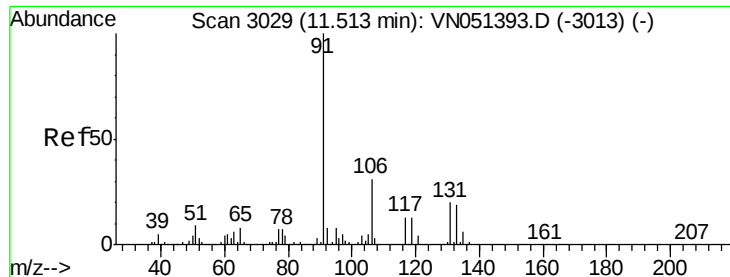
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.818 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.3	144.8
119	65.5	32.8	98.4





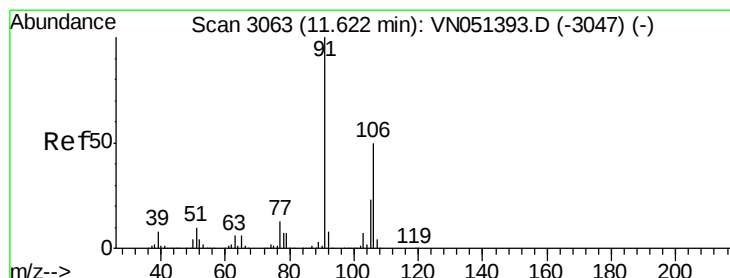
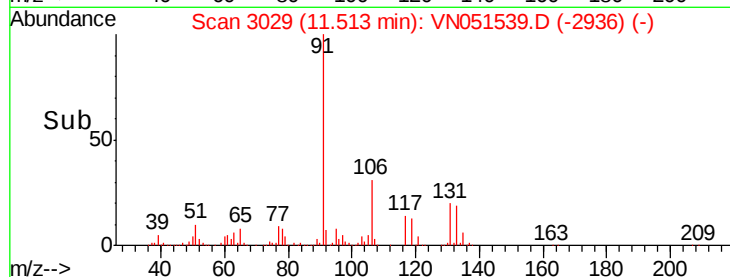
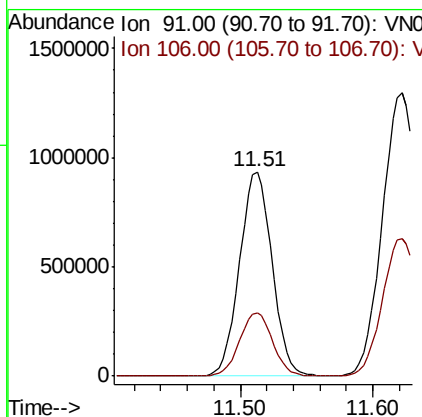
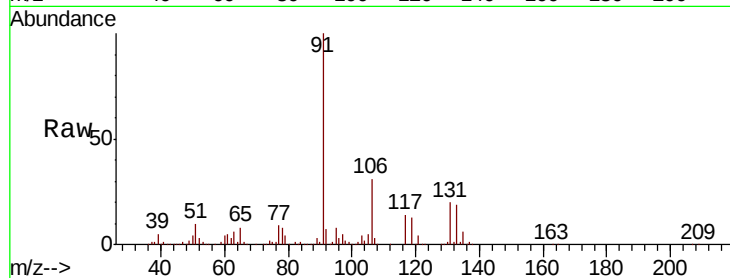
#67
Ethyl Benzene
Concen: 50.116 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1596417
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

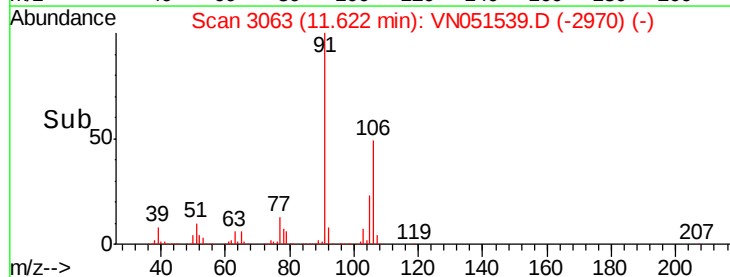
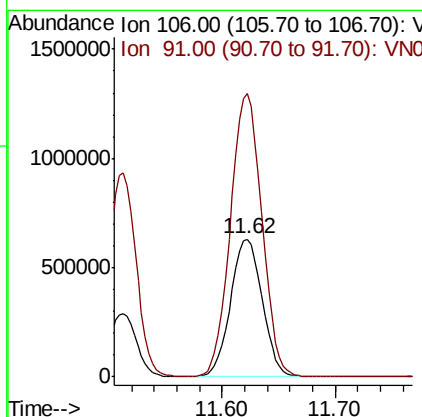
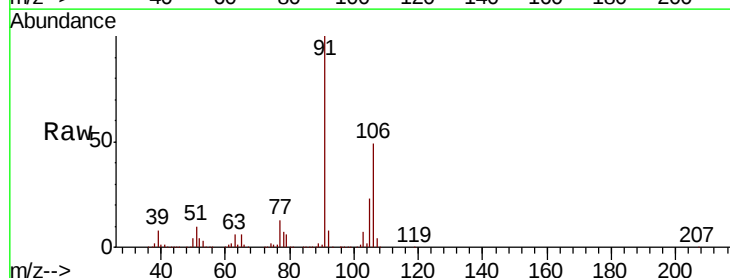
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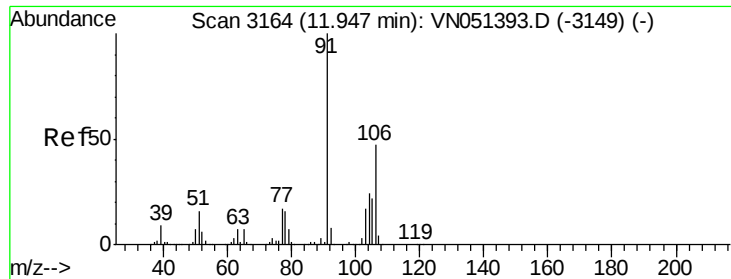
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#68
m/p-Xylenes
Concen: 99.731 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion: 106 Resp: 1228835
Ion Ratio Lower Upper
106 100
91 204.2 161.3 241.9





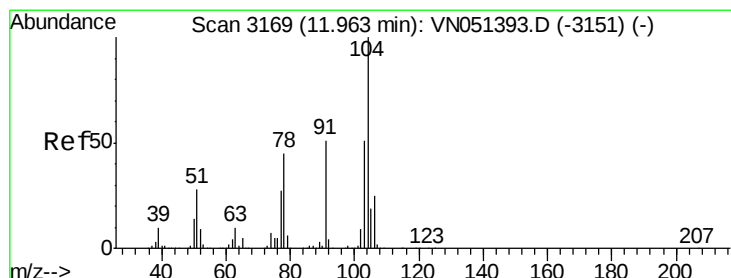
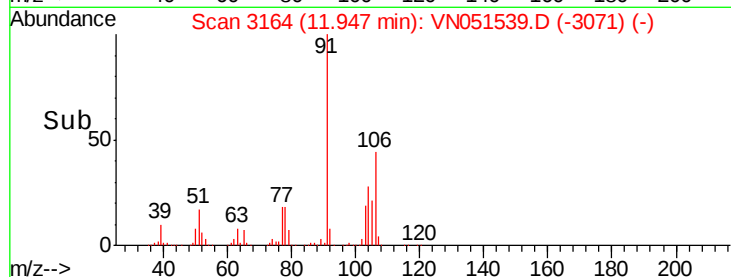
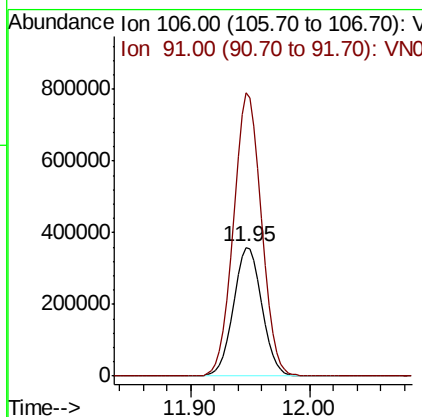
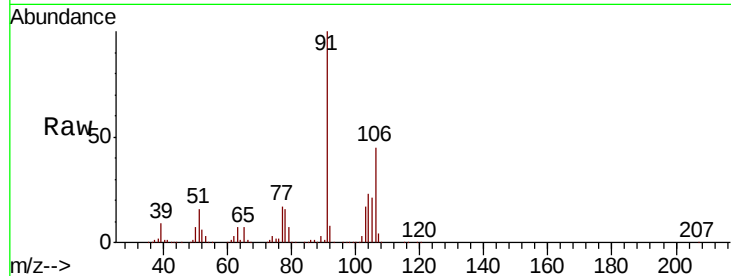
#69
o-Xylene
Concen: 50.142 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.7	105.3	315.9

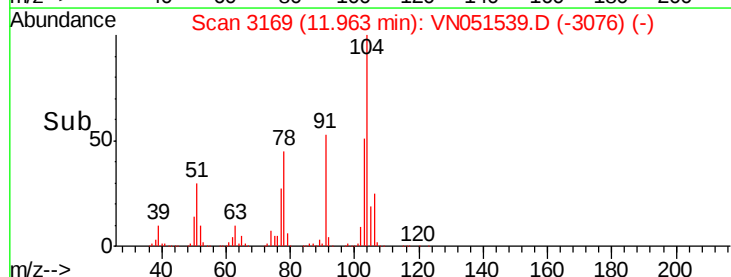
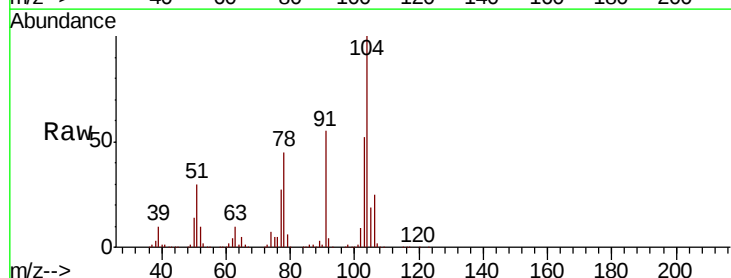
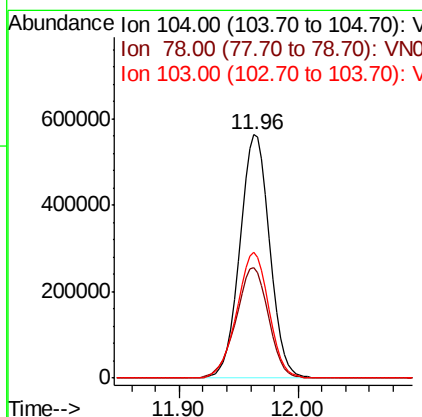
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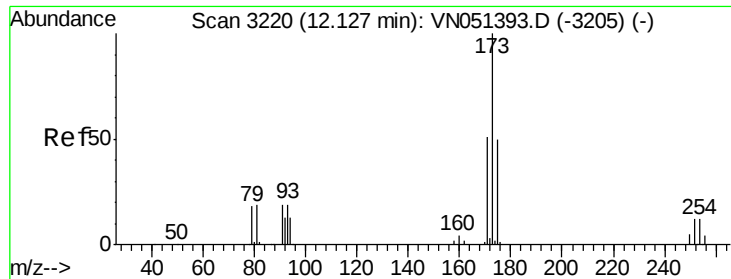
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#70
Styrene
Concen: 52.102 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	39.9	59.9
103	55.6	44.6	66.8





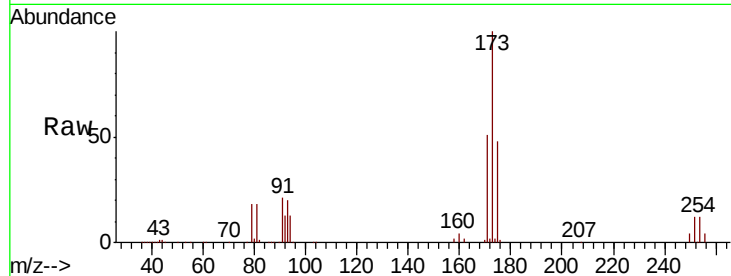
#71
Bromoform
Concen: 52.923 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.8	74.3
254	0.1	0.2	0.2

Manual Integrations
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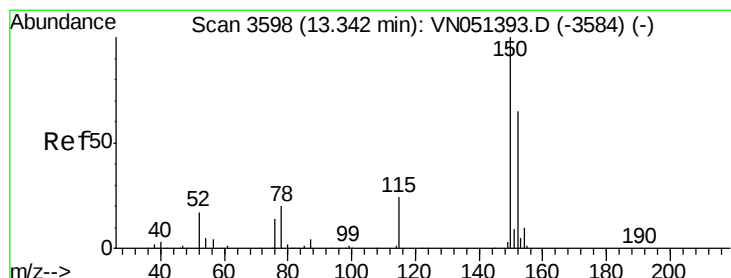
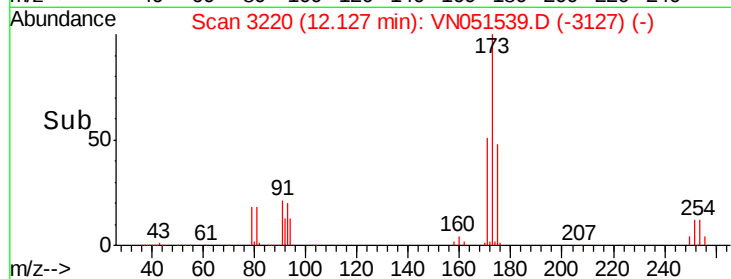
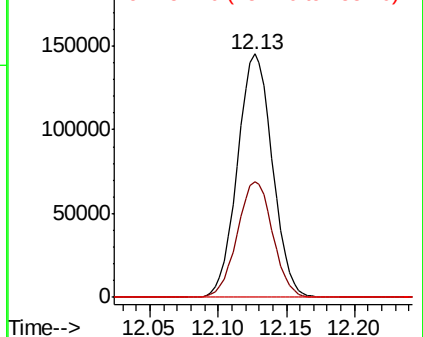


Abundance

Ion 172.70 (172.40 to 173.40): V

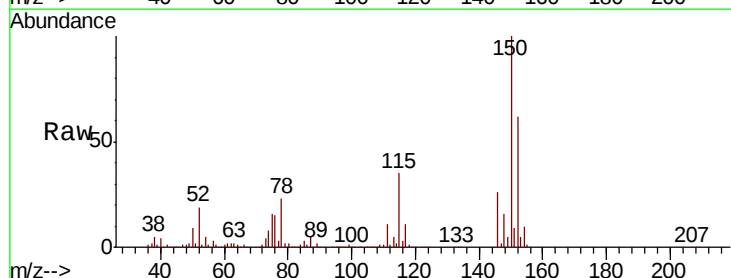
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.3	84.9
150	176.2	0.0	353.6

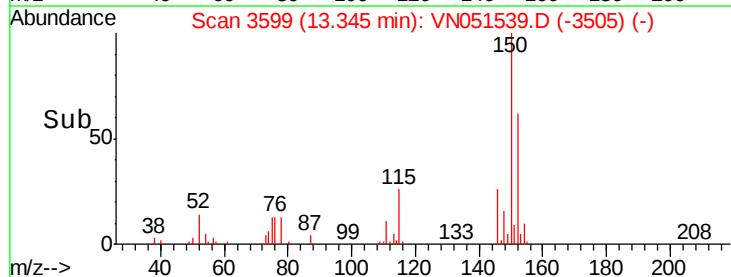
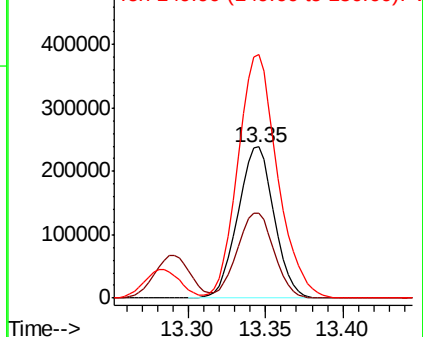


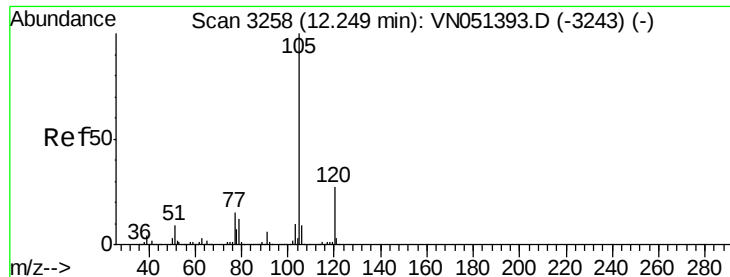
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





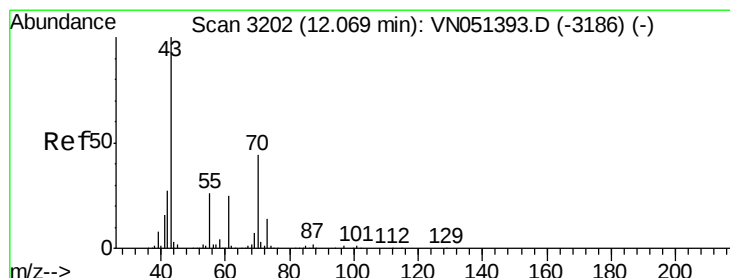
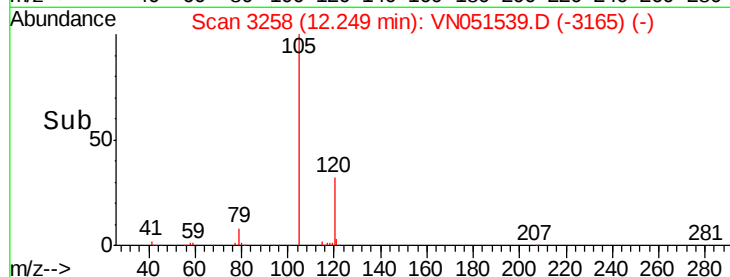
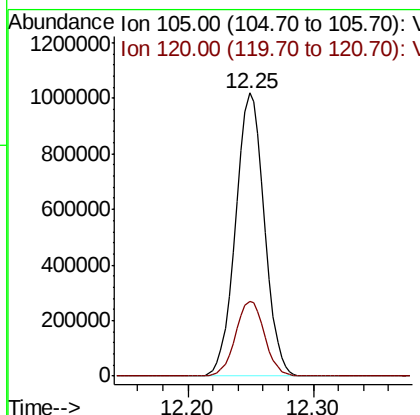
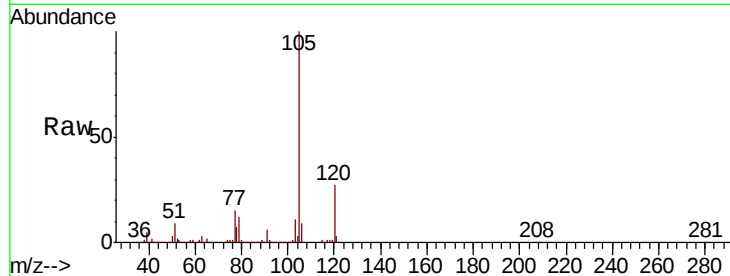
#73
Isopropylbenzene
Concen: 49.307 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1619389
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.8

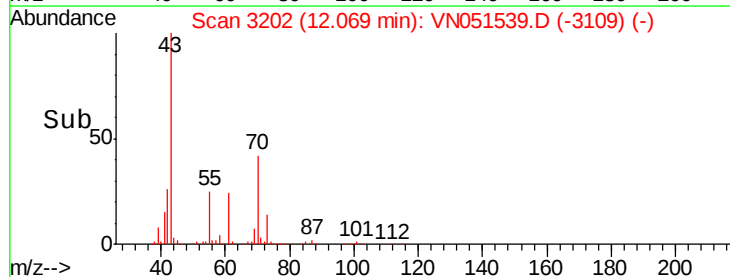
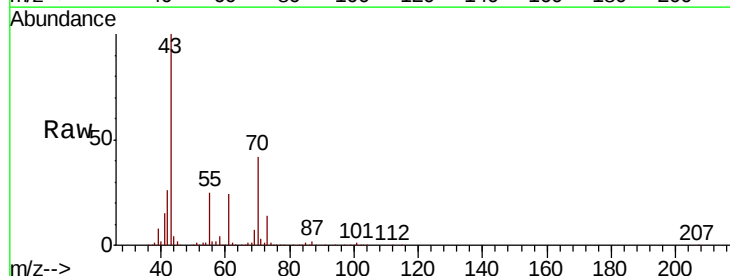
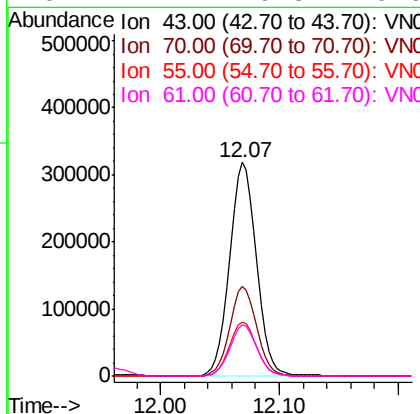
Manual Integrations
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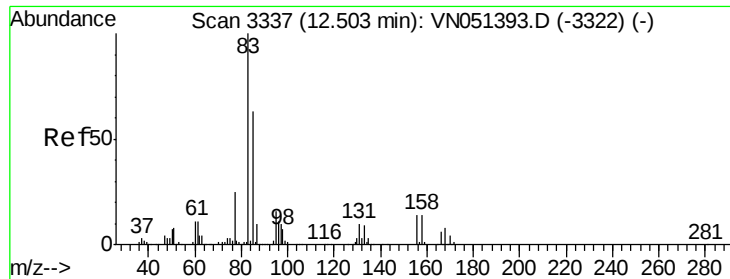
MMDadoda
9/27/2018 3:18:42 PM



#74
N-ethyl acetate
Concen: 60.135 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion: 43 Resp: 495538
Ion Ratio Lower Upper
43 100
70 42.4 35.0 52.4
55 25.8 21.4 32.2
61 24.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.527 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

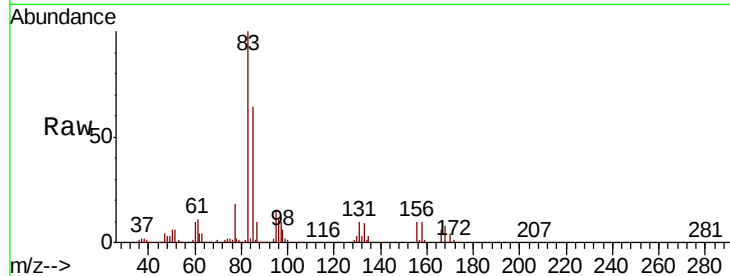
ClientSampleId :

VSTDCCC050

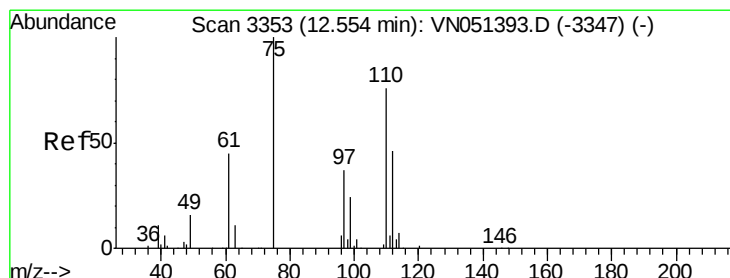
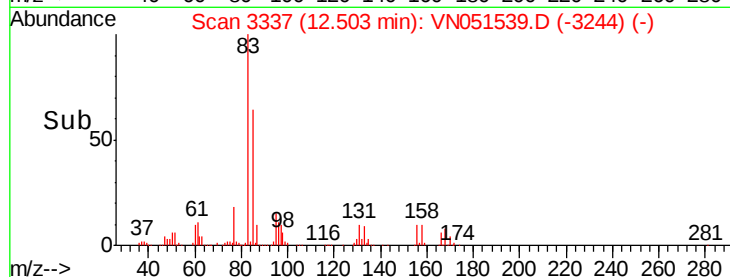
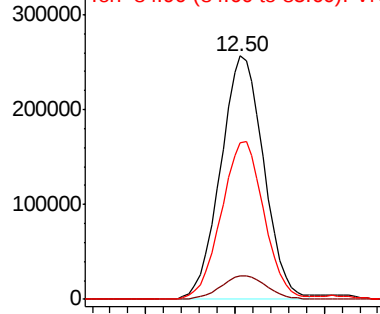
Tot Ion:	83	Resp:	432921
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.4	31.6	95.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN051539.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 58.962 ug/l m

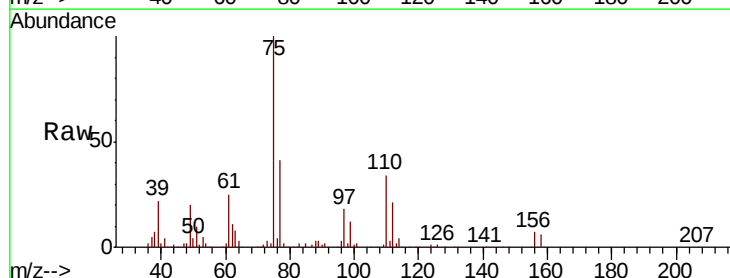
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

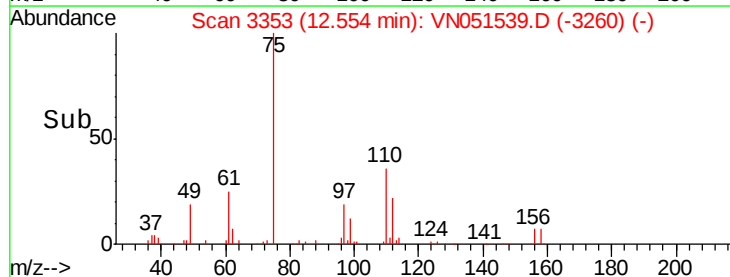
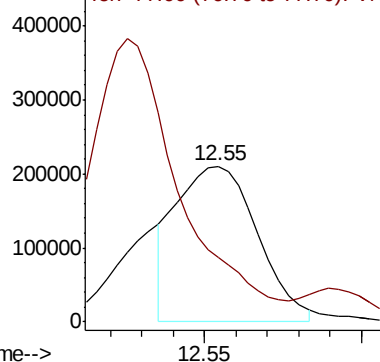
Lab File: VN051539.D

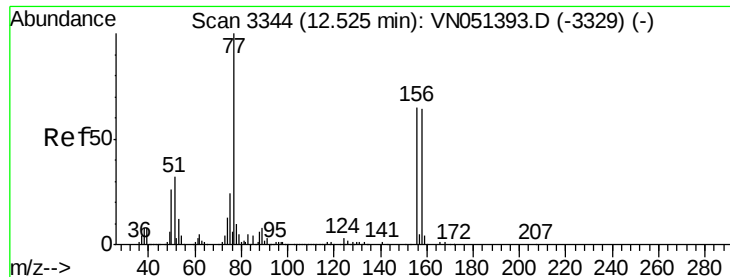
Acq: 26 Sep 2018 16:59

Tgt Ion:	75	Resp:	381008
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051539.D (-3353) (-)





#77

Bromobenzene

Concen: 48.359 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

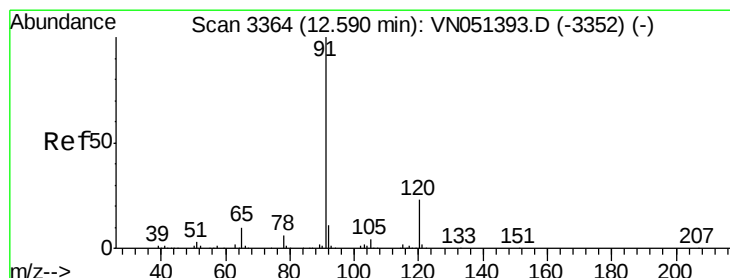
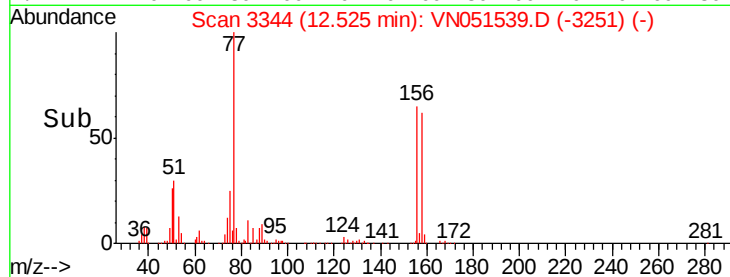
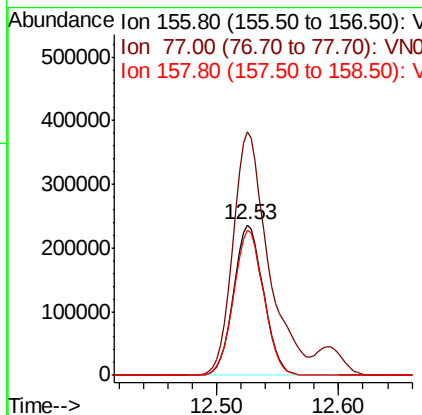
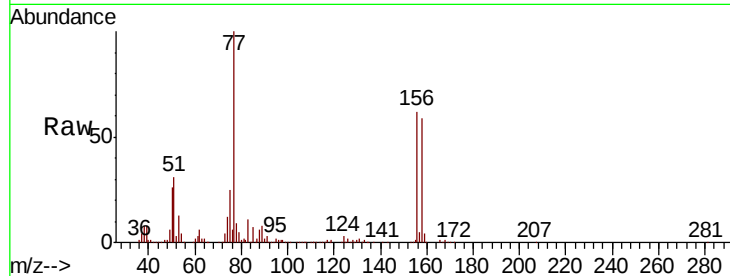
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	402067
Ion Ratio	Lower	Upper	
156	100		
77	191.5	89.5	268.4
158	96.9	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 50.994 ug/l

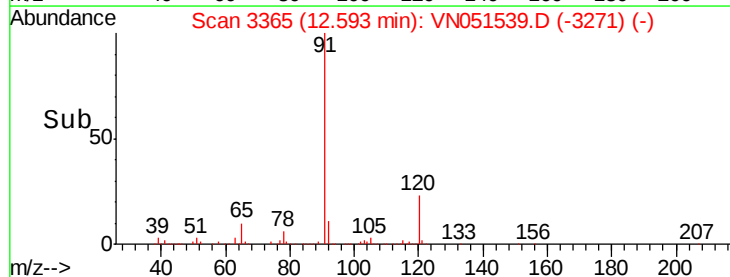
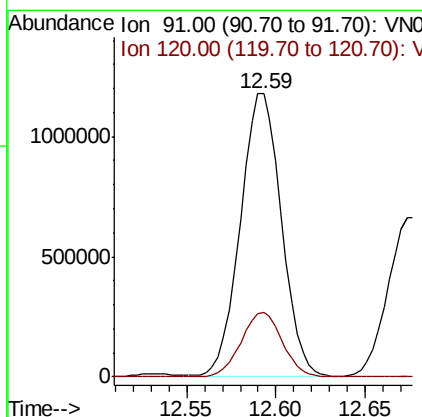
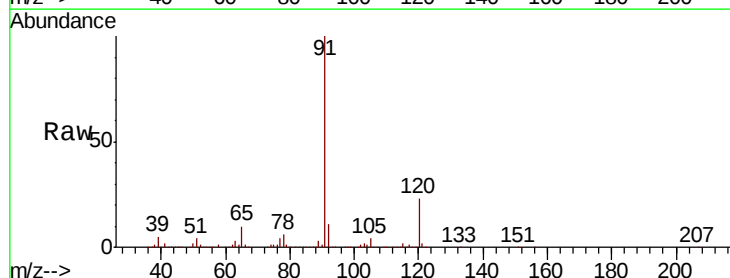
RT: 12.59 min Scan# 3365

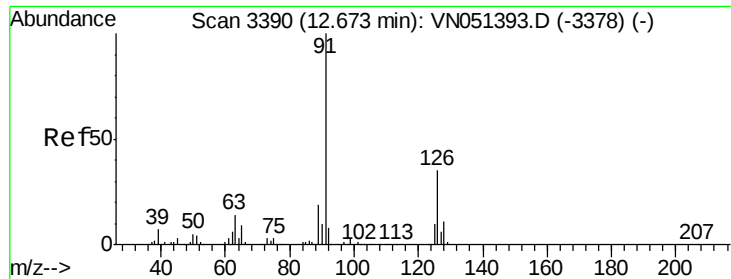
Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Tgt Ion:	91	Resp:	1887529
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.059 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1109140

Ion Ratio Lower Upper

91 100

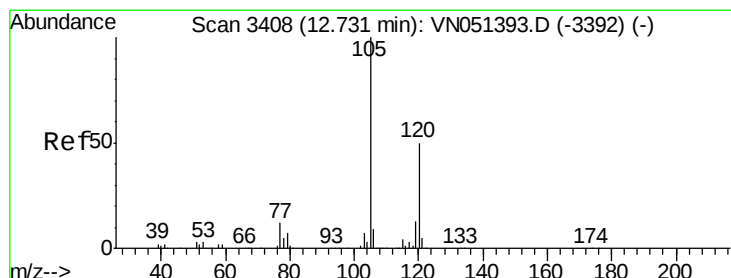
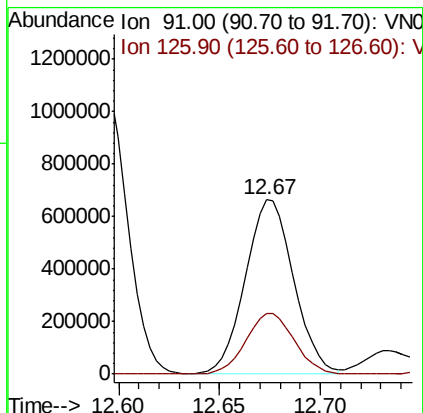
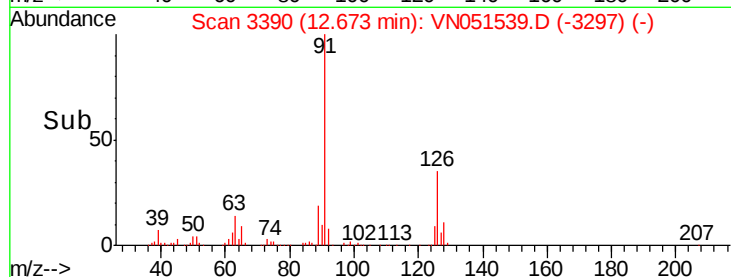
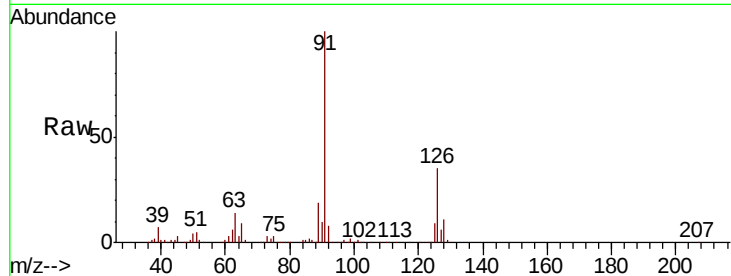
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.660 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051539.D

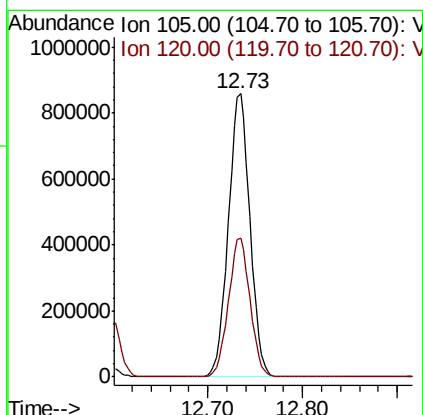
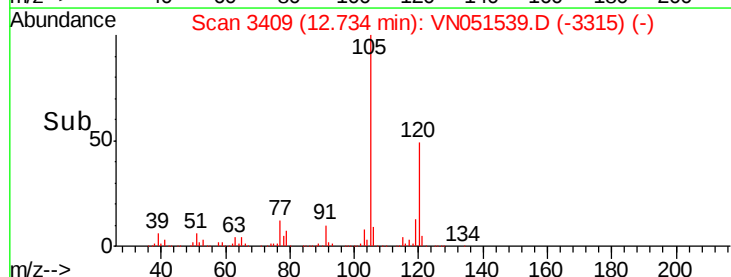
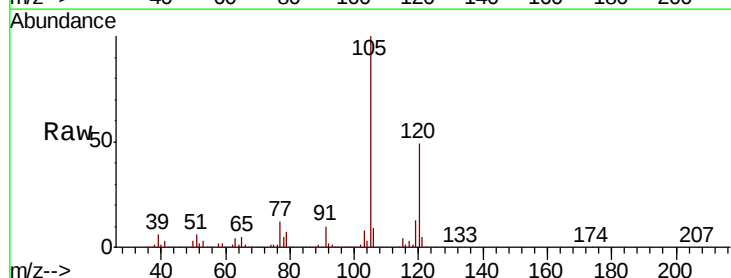
Acq: 26 Sep 2018 16:59

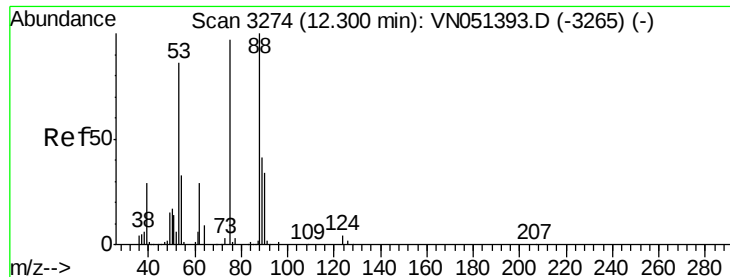
Tgt Ion: 105 Resp: 1356698

Ion Ratio Lower Upper

105 100

120 49.2 24.8 74.4





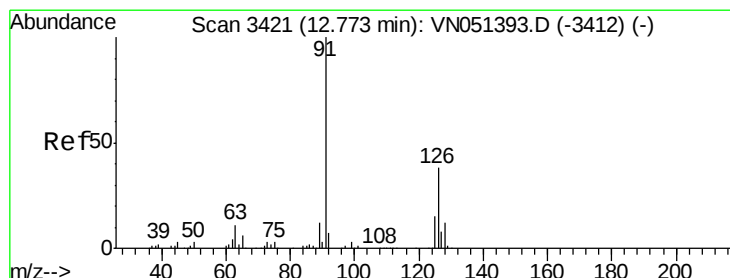
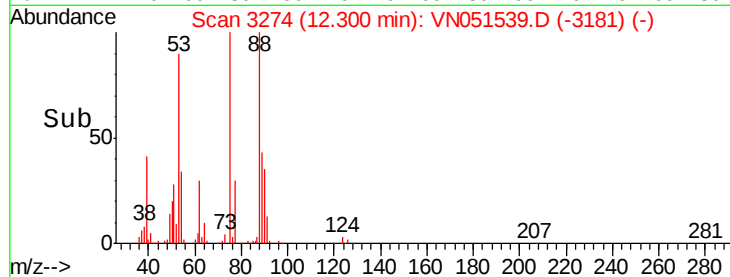
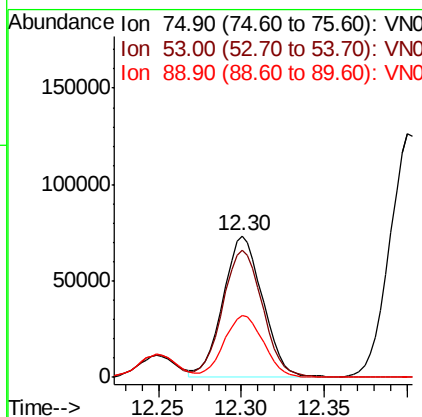
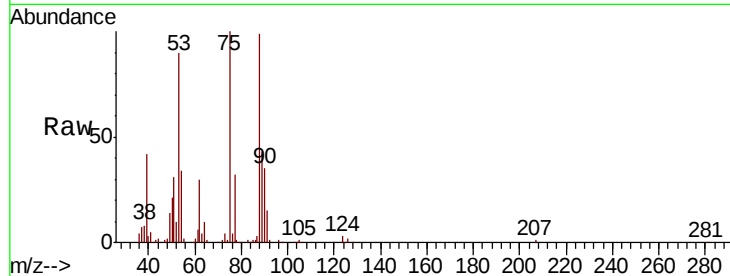
#81
trans-1,4-Dichloro-2-butene
Concen: 57.719 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	73.9	110.9
89	44.3	36.7	55.1

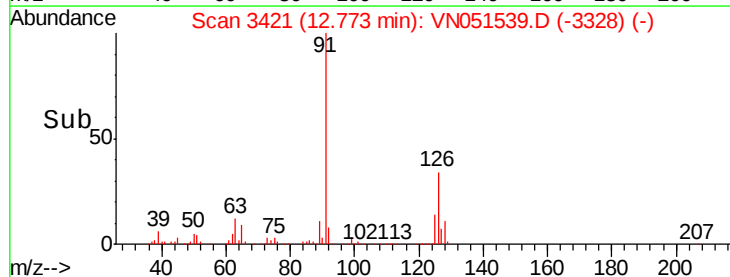
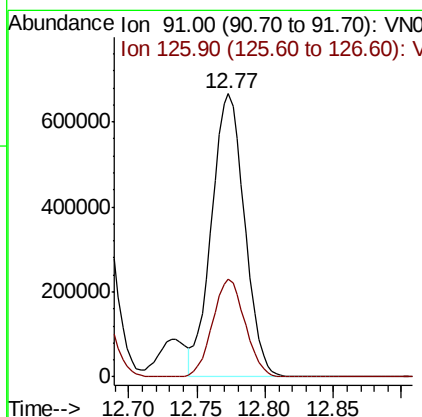
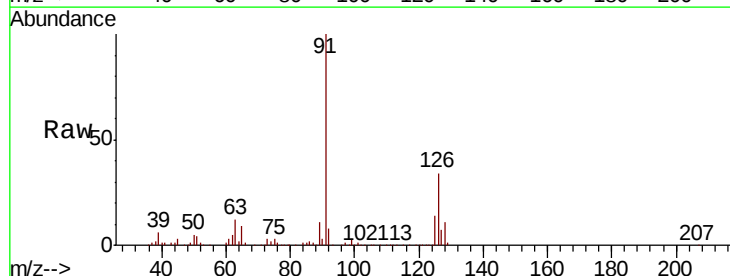
Manual Integrations
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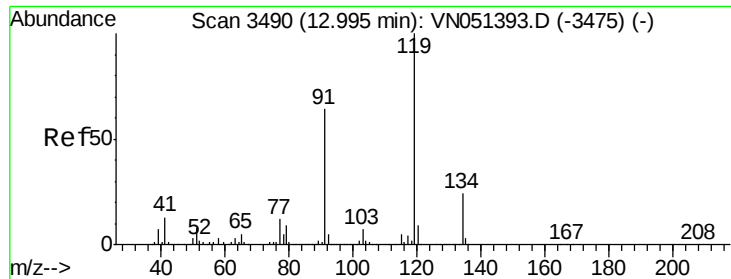
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#82
4-Chlorotoluene
Concen: 50.369 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.5	52.5





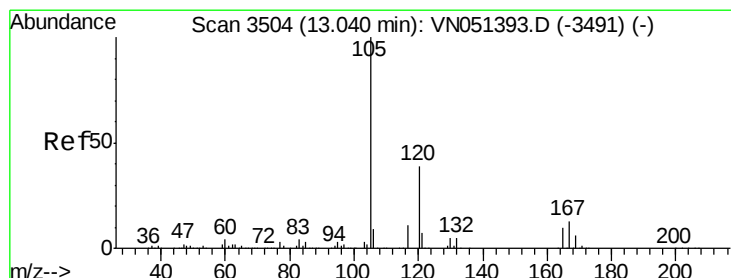
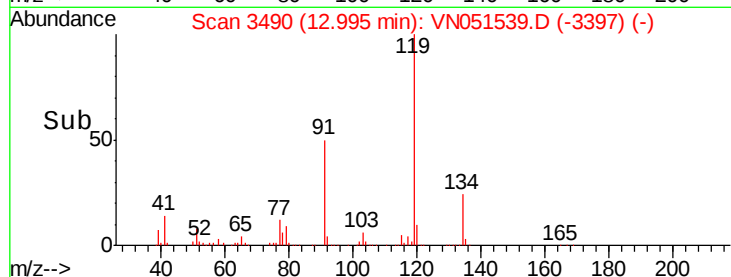
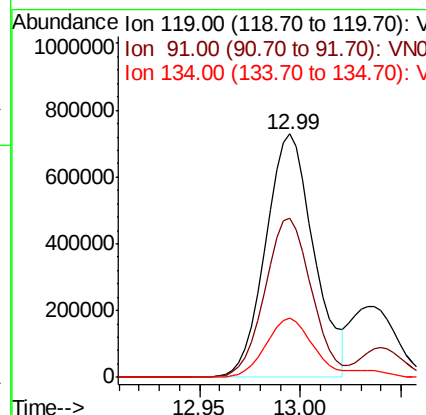
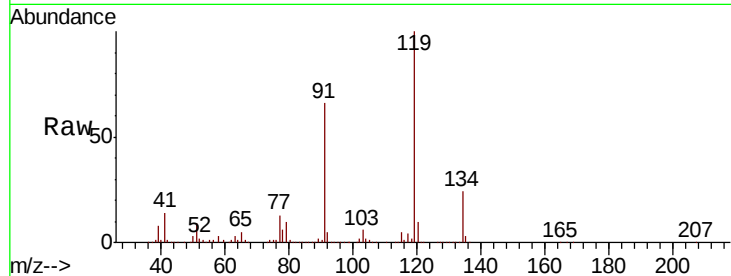
#83
 tert-Butylbenzene
 Concen: 50.797 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.7	95.1
134	24.0	12.3	36.9

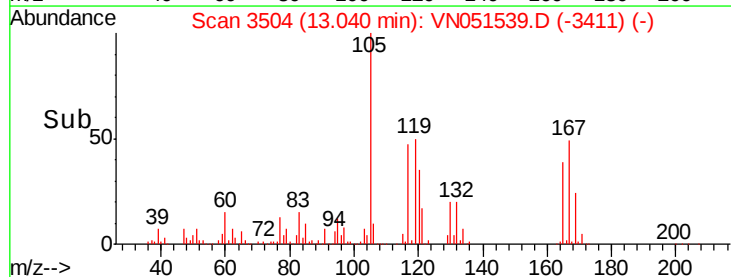
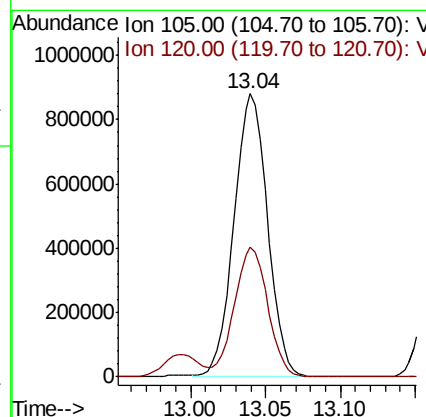
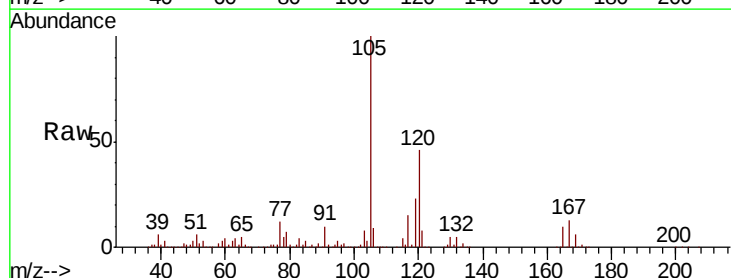
Manual Integrations
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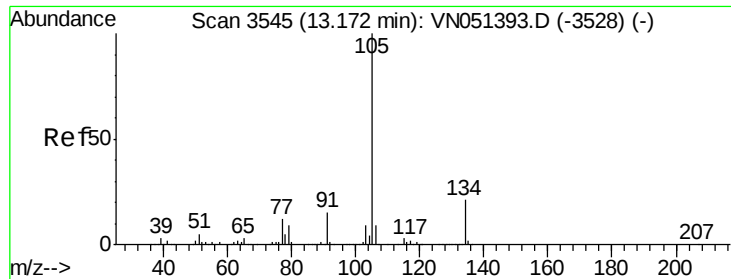
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.877 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.7





#85

sec-Butylbenzene

Concen: 50.869 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1640368

Ion Ratio Lower Upper

105 100

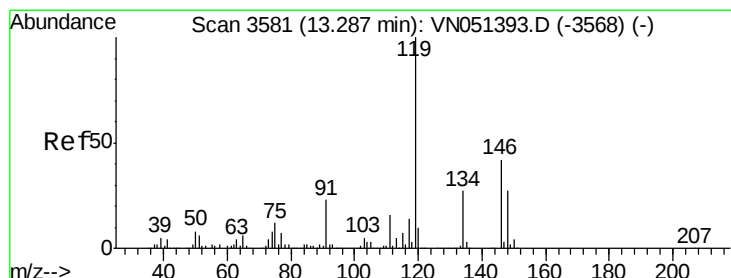
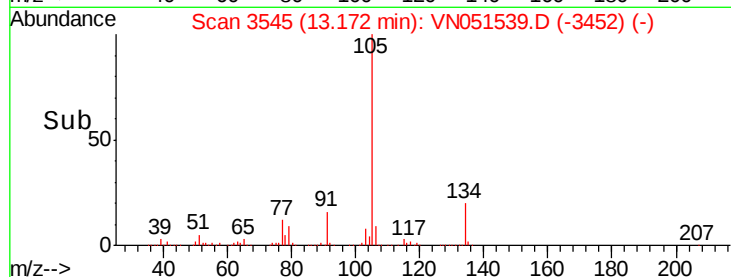
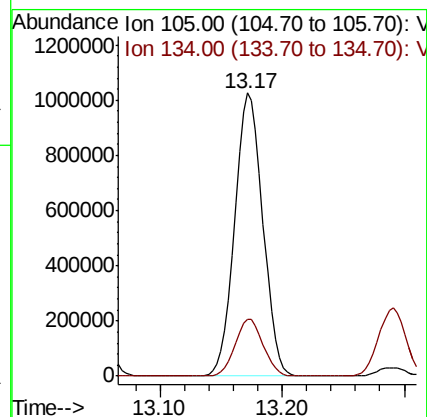
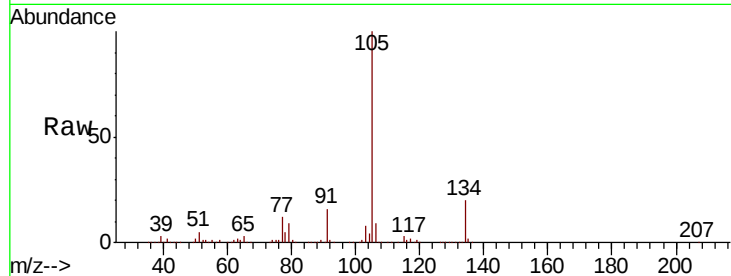
134 20.2 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 51.531 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

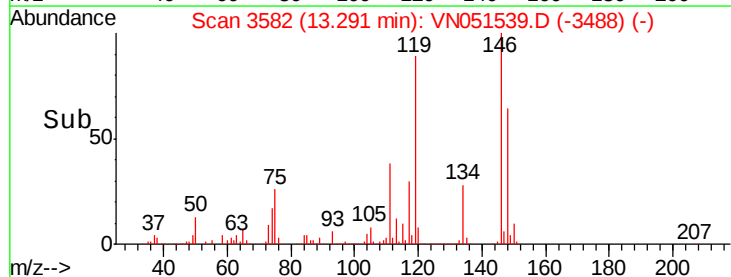
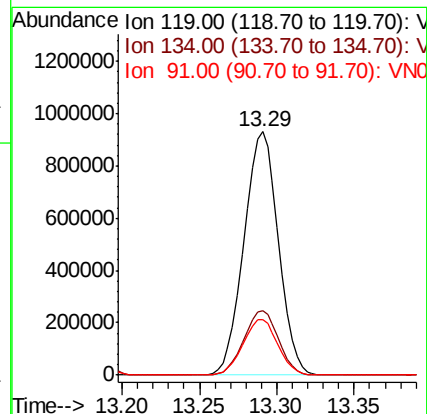
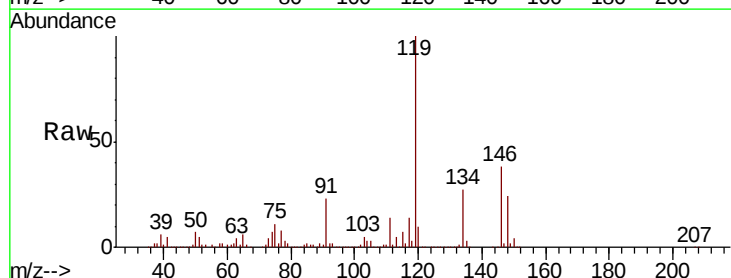
Tgt Ion:119 Resp: 1437884

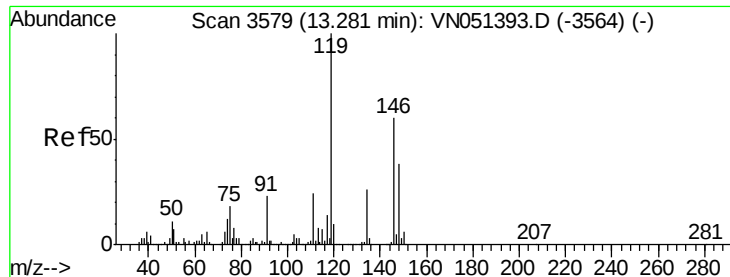
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 23.0 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.058 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

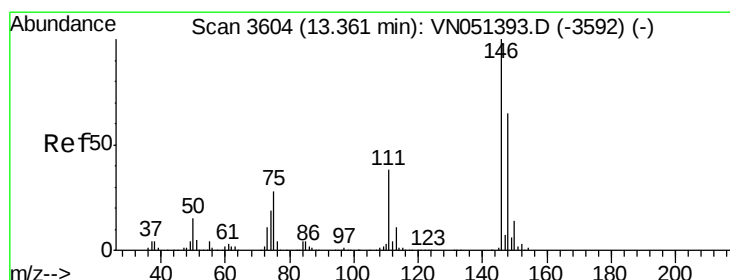
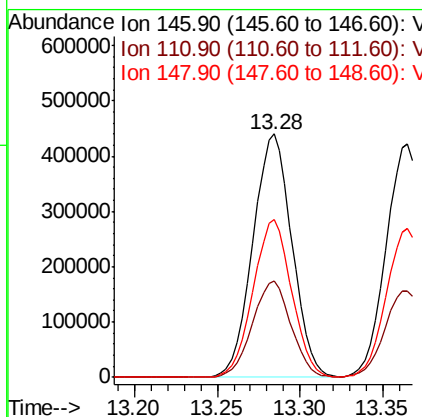
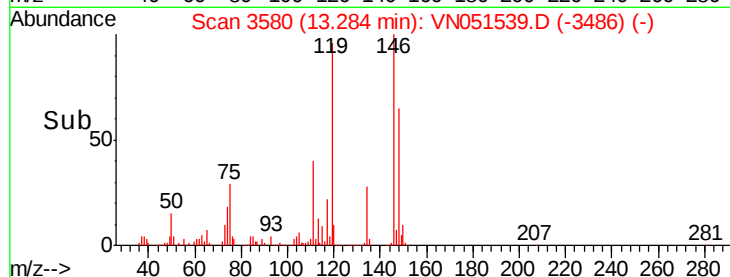
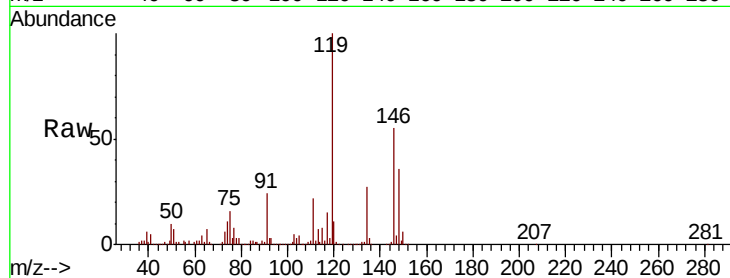
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	720224
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.1
148	64.0	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.012 ug/l

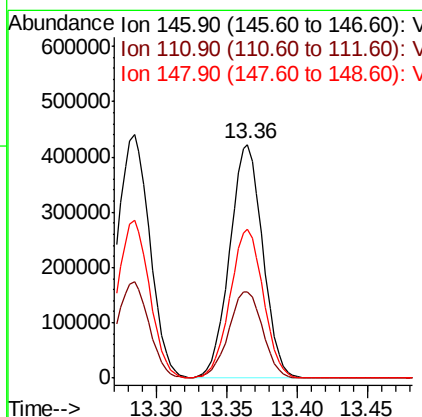
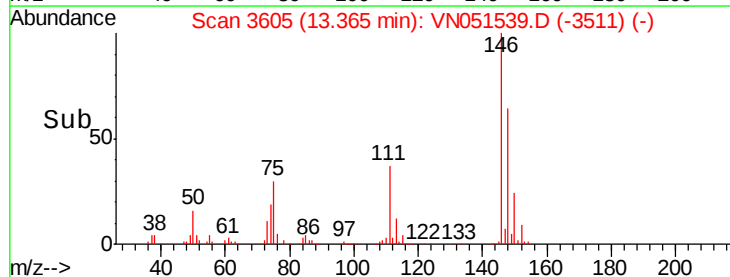
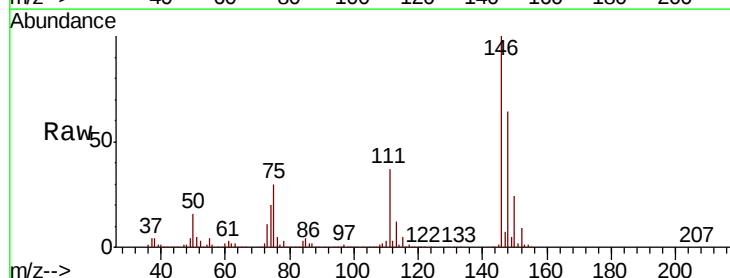
RT: 13.36 min Scan# 3605

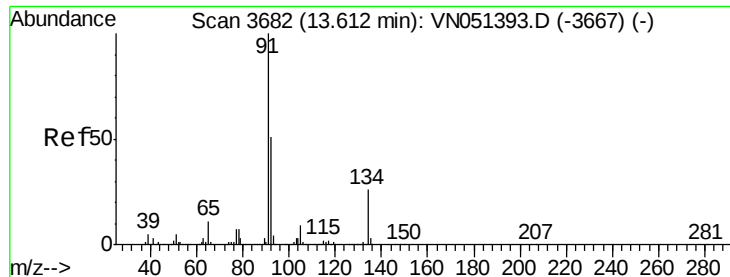
Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Tgt Ion:	146	Resp:	692355
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.1
148	64.2	32.5	97.5





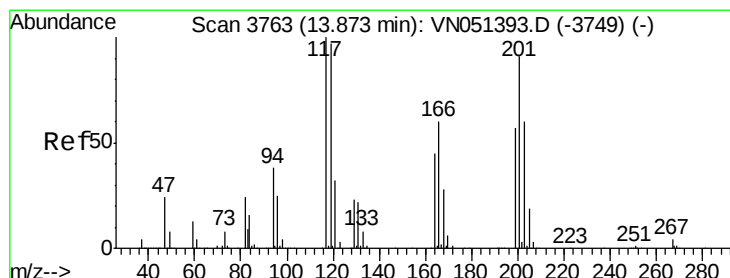
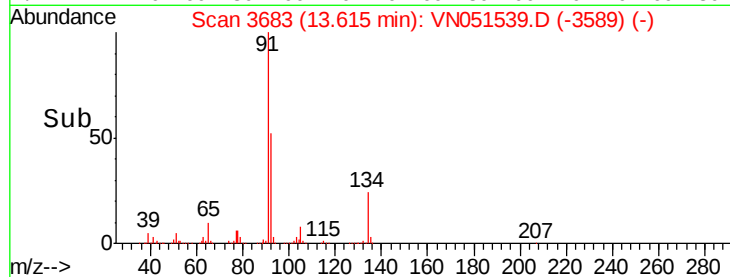
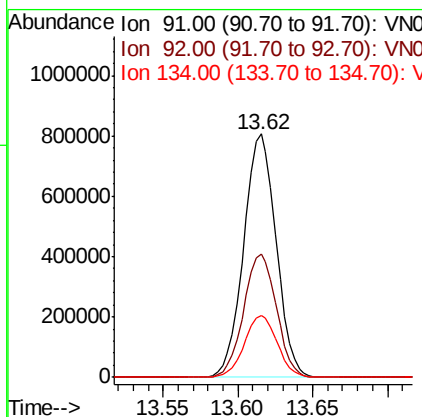
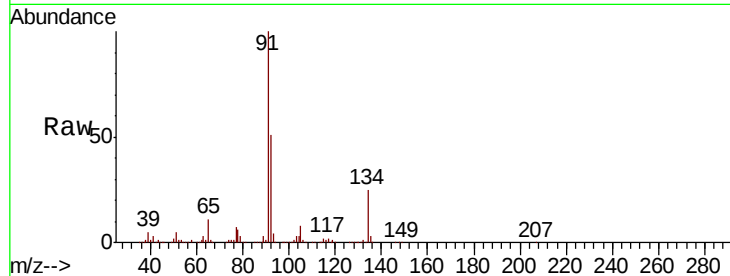
#89
n-Butylbenzene
Concen: 53.001 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.5	76.5
134	25.7	13.3	39.8

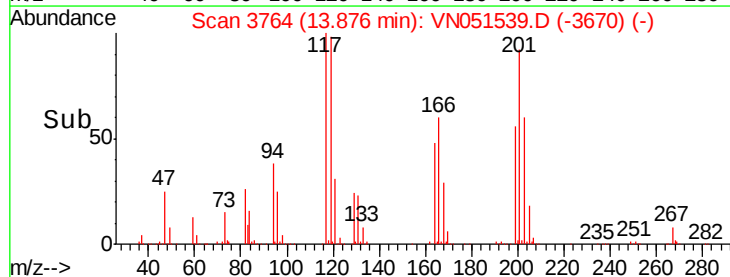
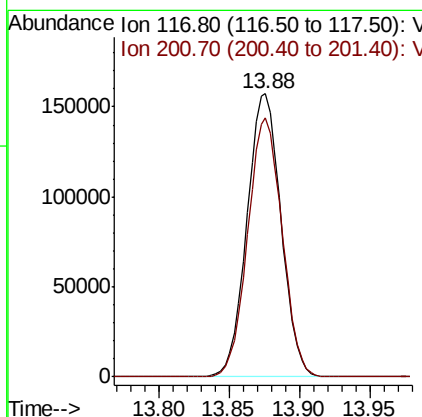
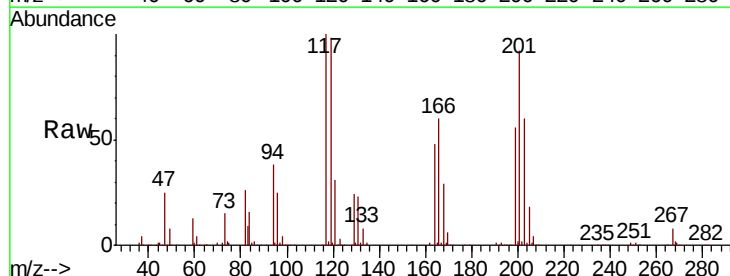
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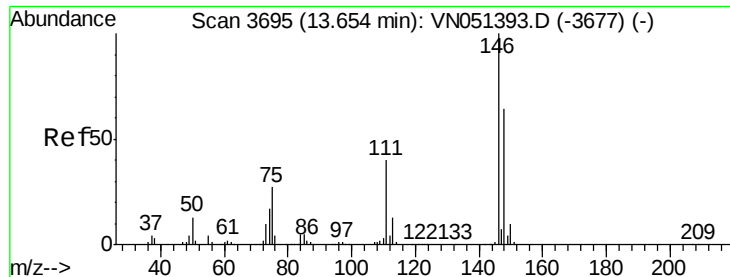
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#90
Hexachloroethane
Concen: 47.937 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051539.D
Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	45.5	136.4





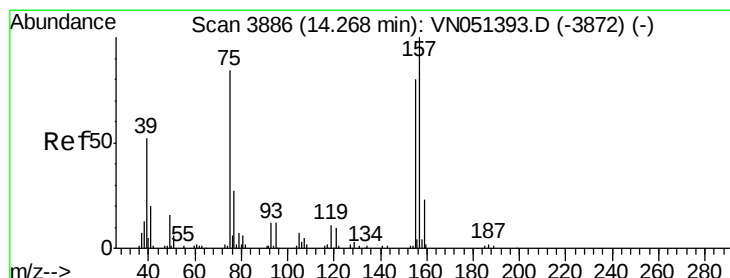
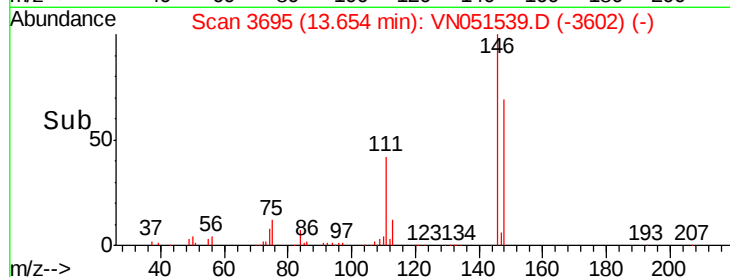
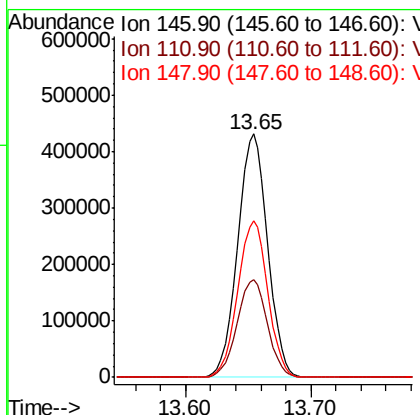
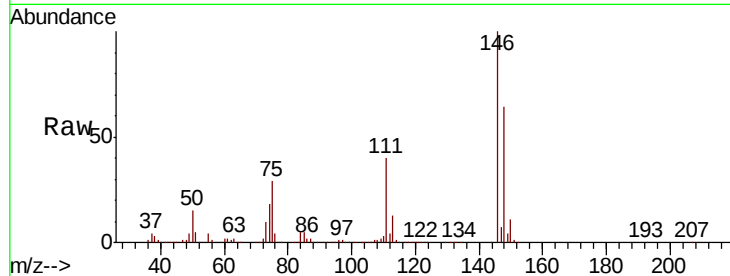
#91
 1,2-Dichlorobenzene
 Concen: 51.110 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	64.6	32.1	96.5

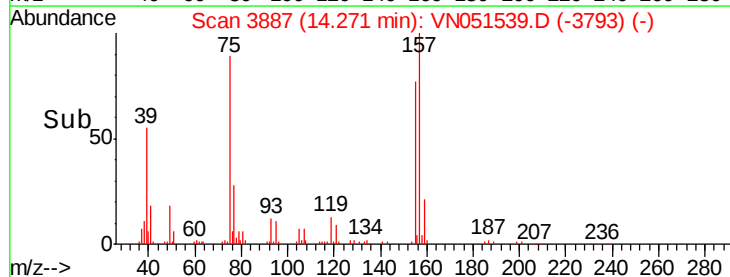
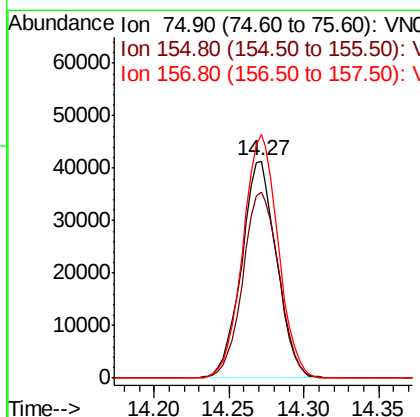
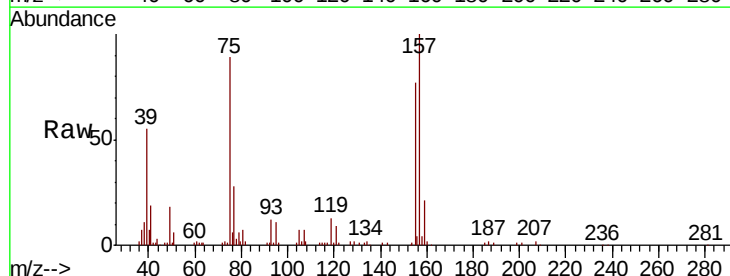
Manual Integrations
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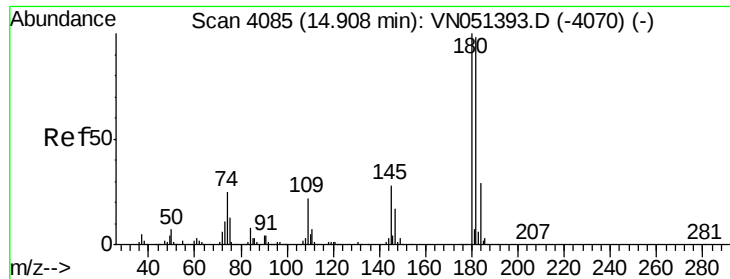
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.884 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.9	46.9	140.6
157	112.5	58.4	175.1





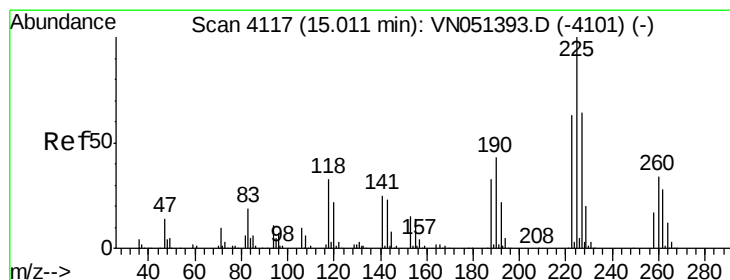
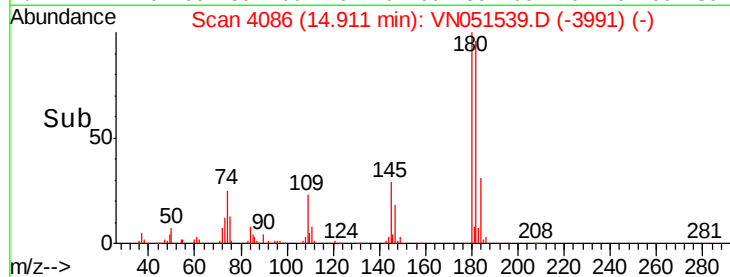
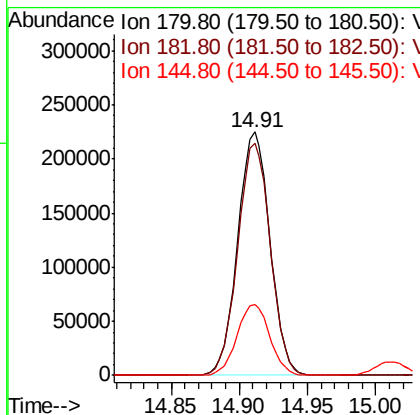
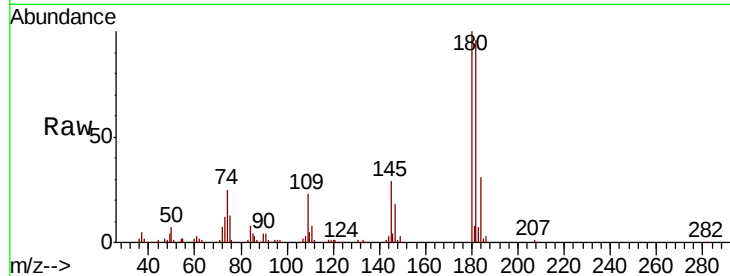
#93
 1,2,4-Trichlorobenzene
 Concen: 49.208 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	369540		
182	96.1	48.5	145.6	
145	29.3	14.1	42.4	

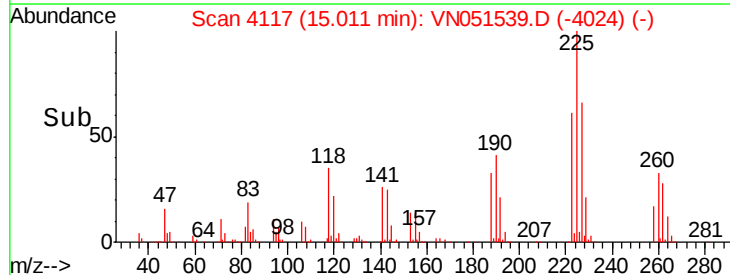
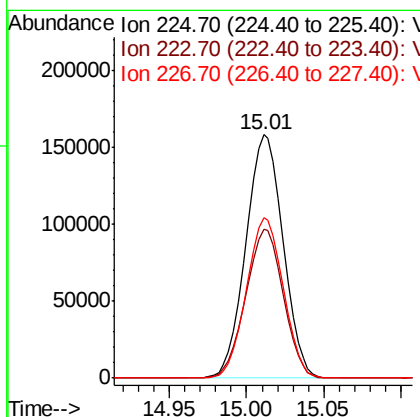
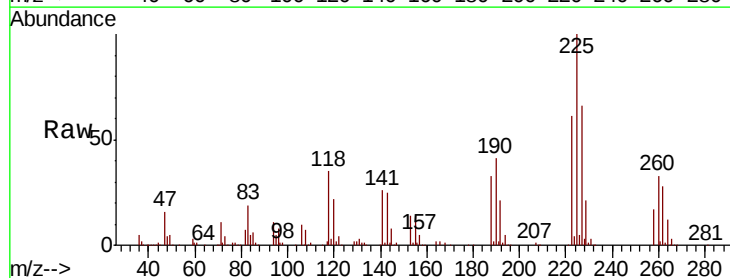
Manual Integrations
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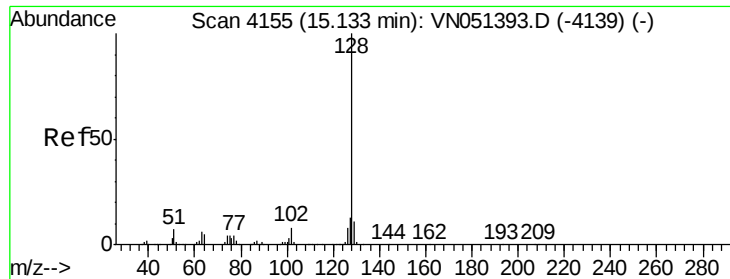
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#94
 Hexachlorobutadiene
 Concen: 50.310 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051539.D
 Acq: 26 Sep 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	265732		
223	61.6	31.9	95.9	
227	65.1	32.5	97.5	





#95

Naphthalene

Concen: 51.263 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Instrument :

MSVOA_N

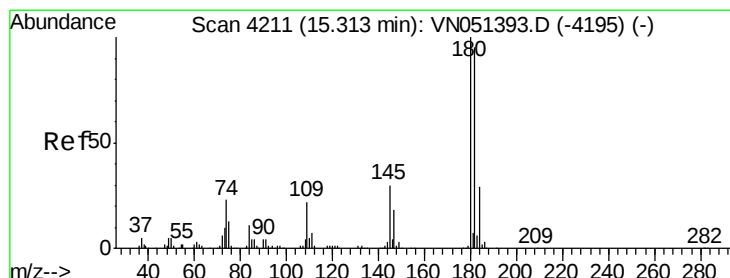
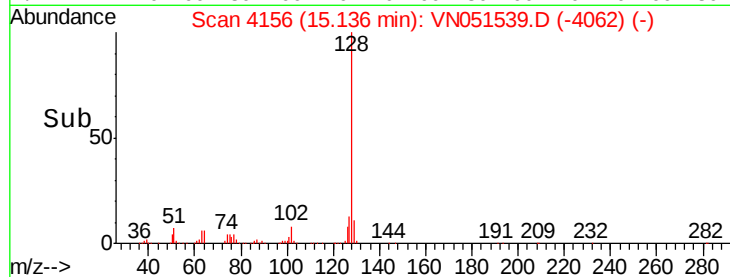
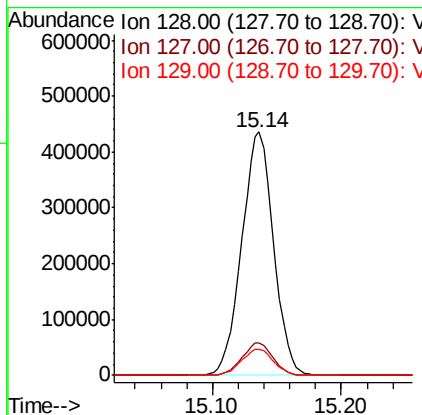
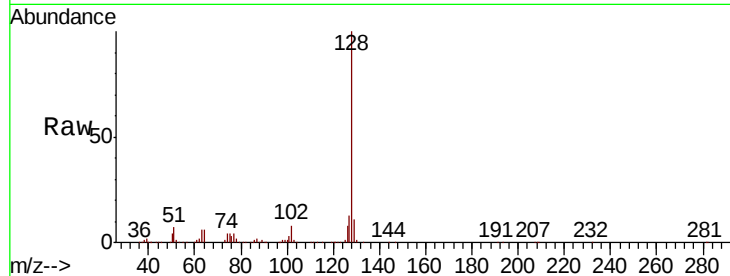
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	745415
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 55.980 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051539.D

Acq: 26 Sep 2018 16:59

Tgt Ion:	180	Resp:	375027
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.2	141.6
145	29.6	14.6	43.8

