

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051583.D
 Acq On : 27 Sep 2018 15:25
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 5:08:27 PM

Quant Time: Sep 27 17:31:53 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	505160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	709093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344624	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	330442	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	7.59	113	297501	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.09	98	1077566	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	371323	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	273311	57.992	ug/l	99
3) Chloromethane	2.06	50	385745	51.416	ug/l	98
4) Vinyl Chloride	2.18	62	431806	52.148	ug/l	99
5) Bromomethane	2.56	94	195401	39.390	ug/l	99
6) Chloroethane	2.70	64	207535	40.223	ug/l	100
7) Trichlorofluoromethane	3.01	101	516400	47.612	ug/l	99
8) Diethyl Ether	3.41	74	173124	51.003	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	307644	50.259	ug/l	99
10) Methyl Iodide	3.95	142	378184	46.528	ug/l	98
11) Tert butyl alcohol	4.79	59	92657	259.442	ug/l #	78
12) 1,1-Dichloroethene	3.73	96	273222	48.612	ug/l	99
13) Acrolein	3.61	56	63741	179.734	ug/l	99
14) Allyl chloride	4.32	41	498523	52.866	ug/l	98
15) Acrylonitrile	4.99	53	527757	271.651	ug/l	100
16) Acetone	3.82	43	420837	304.504	ug/l	98
17) Carbon Disulfide	4.05	76	858168	51.971	ug/l	100
18) Methyl Acetate	4.33	43	286457	59.438	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	783031	54.026	ug/l	100
20) Methylene Chloride	4.55	84	318237	50.821	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	302362	52.588	ug/l	98
22) Diisopropyl ether	5.95	45	1030340	56.526	ug/l	99
23) Vinyl Acetate	5.90	43	3421604	285.920	ug/l	99
24) 1,1-Dichloroethane	5.85	63	586575	53.934	ug/l	99
25) 2-Butanone	6.84	43	633441	292.457	ug/l	97
26) 2,2-Dichloropropane	6.82	77	480896	56.645	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	321513	50.963	ug/l	94
28) Bromochloromethane	7.19	49	275930	54.940	ug/l	96
29) Tetrahydrofuran	7.21	42	411997	300.164	ug/l	97
30) Chloroform	7.37	83	573576	53.225	ug/l	99
31) Cyclohexane	7.65	56	541539	54.348	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	490723	53.265	ug/l	100
36) 1,1-Dichloropropene	7.79	75	444941	54.186	ug/l	98
37) Ethyl Acetate	6.93	43	275275	58.305	ug/l	99
38) Carbon Tetrachloride	7.77	117	445552	51.876	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	531271	55.346	ug/l	97
40) Benzene	8.04	78	1307702	54.238	ug/l	100
41) Methacrylonitrile	7.18	41	134511	51.497	ug/l	92
42) 1,2-Dichloroethane	8.12	62	419196	54.298	ug/l	99
43) Isopropyl Acetate	8.17	43	514384	60.251	ug/l	96
44) Trichloroethene	8.84	130	330557	51.617	ug/l	98
45) 1,2-Dichloropropane	9.12	63	357069	54.481	ug/l	100
46) Dibromomethane	9.21	93	201631	54.448	ug/l	98
47) Bromodichloromethane	9.40	83	434107	52.972	ug/l	100
48) Methyl methacrylate	9.20	41	247352	58.113	ug/l	97
49) 1,4-Dioxane	9.20	88	49783	954.341	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1367379	291.228	ug/l	98
52) Toluene	10.16	92	797905	53.251	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	446856	54.010	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	524020	54.616	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	283731	53.580	ug/l	97
56) Ethyl methacrylate	10.43	69	360335	55.655	ug/l	97
57) 1,3-Dichloropropane	10.71	76	489422	53.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	927916	263.621	ug/l	98
59) 2-Hexanone	10.75	43	937229	307.921	ug/l	98
60) Dibromochloromethane	10.90	129	326128	52.197	ug/l	99
61) 1,2-Dibromoethane	11.01	107	277659	54.012	ug/l	99
64) Tetrachloroethene	10.63	164	311089	53.338	ug/l	97
65) Chlorobenzene	11.43	112	856922	51.971	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	321855	51.235	ug/l	99
67) Ethyl Benzene	11.51	91	1501409	54.031	ug/l	99
68) m/p-Xylenes	11.62	106	1168532	108.716	ug/l	99
69) o-Xylene	11.95	106	553415	53.558	ug/l	97
70) Styrene	11.96	104	890188	54.368	ug/l	99
71) Bromoform	12.13	173	224684	52.711	ug/l #	97
73) Isopropylbenzene	12.25	105	1484960	51.070	ug/l	100
74) N-amyl acetate	12.07	43	412374	56.524	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	355919	52.491	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	318480m	55.669	ug/l	
77) Bromobenzene	12.53	156	361004	49.044	ug/l	95
78) n-propylbenzene	12.59	91	1730958	52.820	ug/l	99
79) 2-Chlorotoluene	12.68	91	1018170	51.905	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1261458	53.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	102948	55.333	ug/l	99
82) 4-Chlorotoluene	12.77	91	1029462	52.581	ug/l	99
83) tert-Butylbenzene	12.99	119	1064290	50.432	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1280404	53.592	ug/l	99
85) sec-Butylbenzene	13.17	105	1496015	52.400	ug/l	99
86) p-Isopropyltoluene	13.29	119	1313684	53.177	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	648762	50.931	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	628269	51.260	ug/l	99
89) n-Butylbenzene	13.62	91	1109398	54.612	ug/l	99
90) Hexachloroethane	13.88	117	243104	49.390	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	633043	51.220	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54206	56.018	ug/l	92

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	323849	48.770	ug/l	98
94) Hexachlorobutadiene	15.01	225	237440	50.776	ug/l	99
95) Naphthalene	15.13	128	592612	46.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	314741	53.065	ug/l	98

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

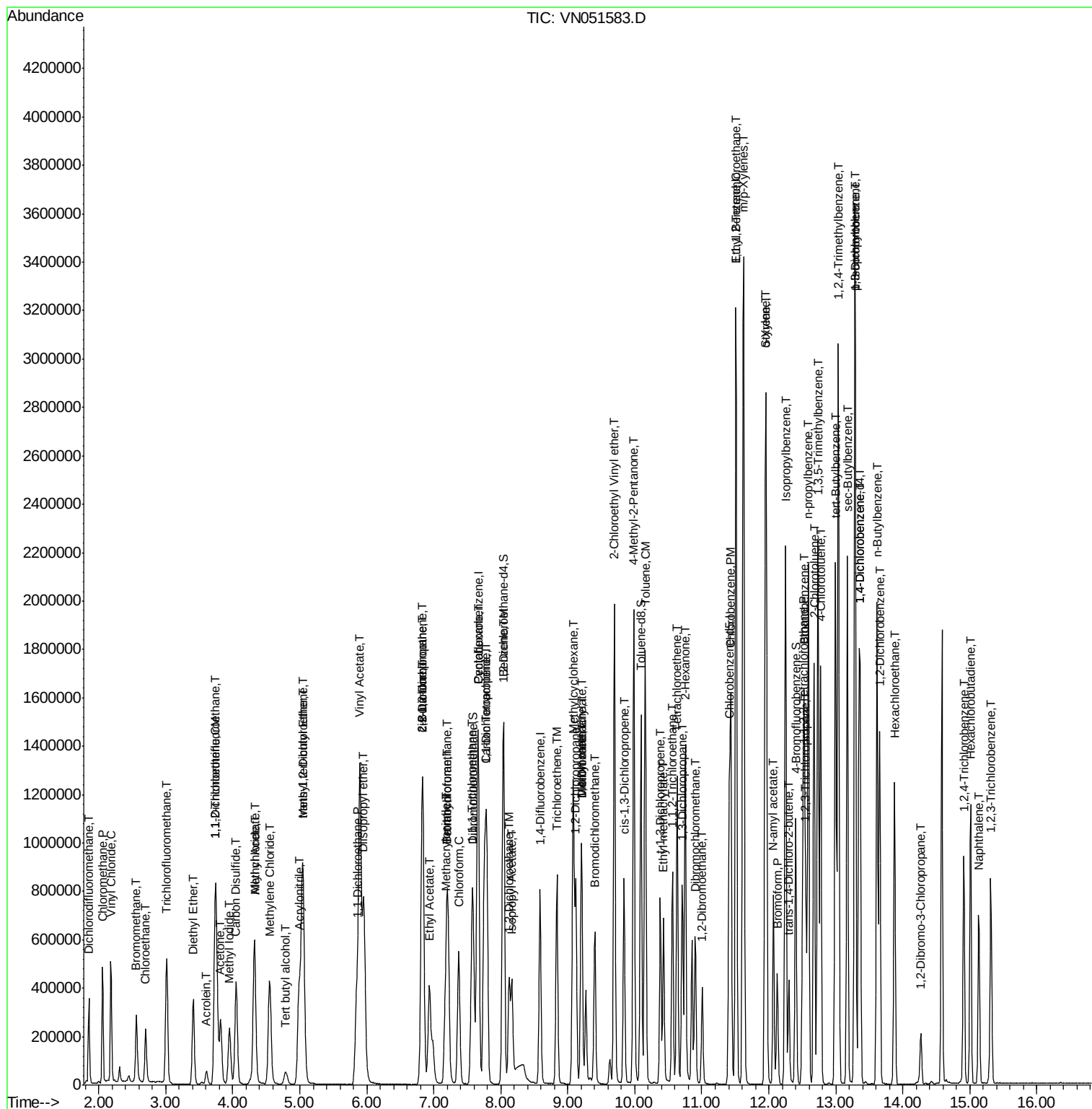
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Data File : VN051583.D
Acq On : 27 Sep 2018 15:25
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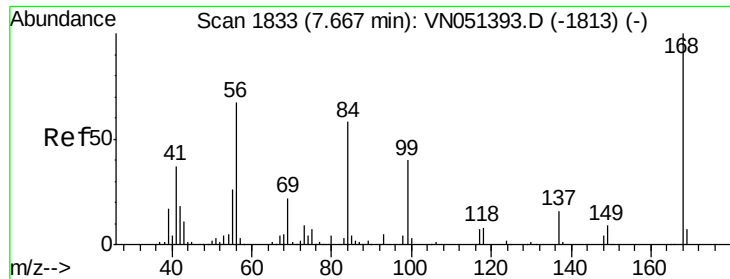
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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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: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 505160

Ion Ratio Lower Upper

168 100

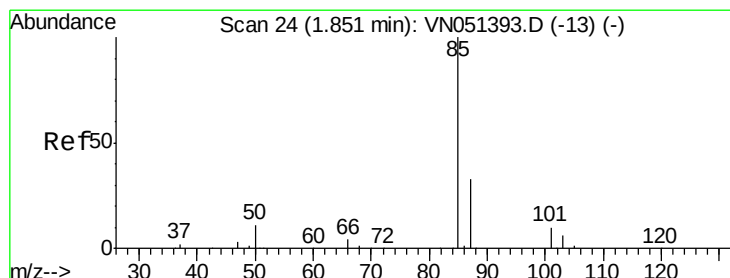
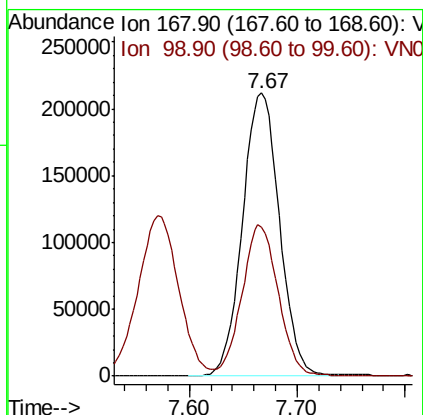
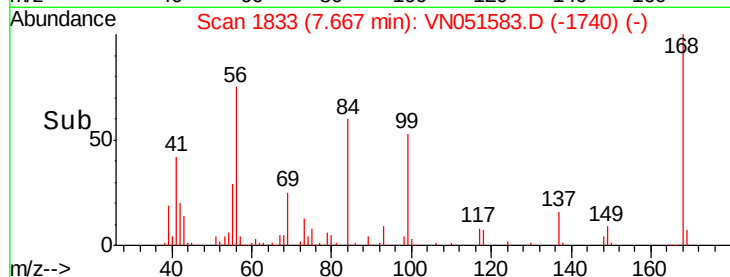
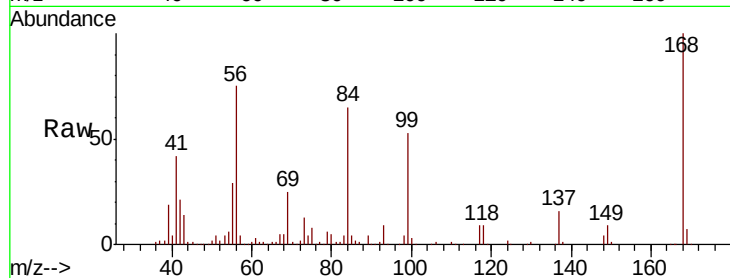
99 52.5 40.2 60.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 57.992 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051583.D

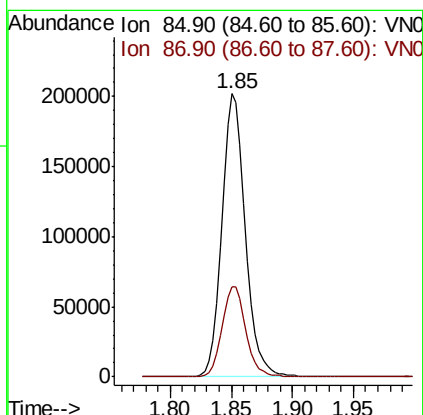
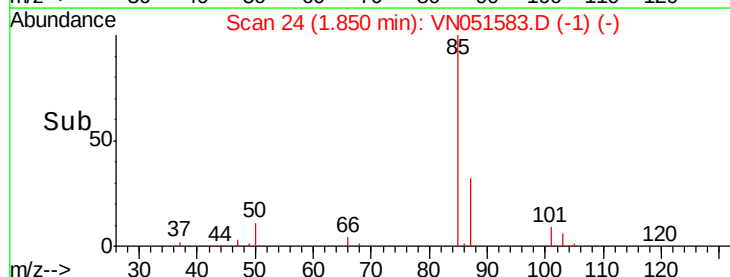
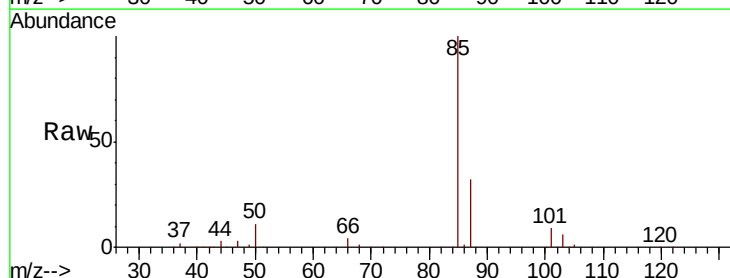
Acq: 27 Sep 2018 15:25

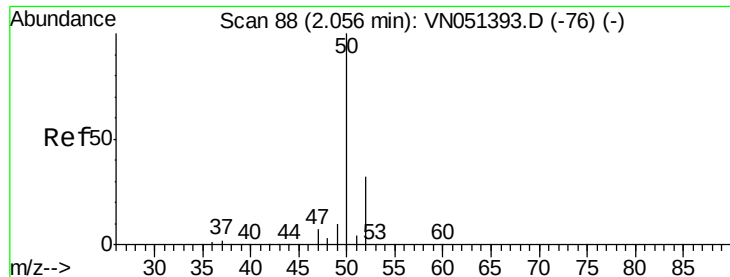
Tgt Ion: 85 Resp: 273311

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9





#3

Chloromethane

Concen: 51.416 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 385745

Ion Ratio Lower Upper

50 100

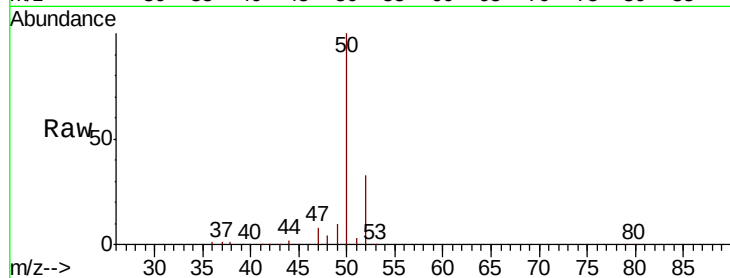
52 32.9 25.7 38.5

Manual Integrations

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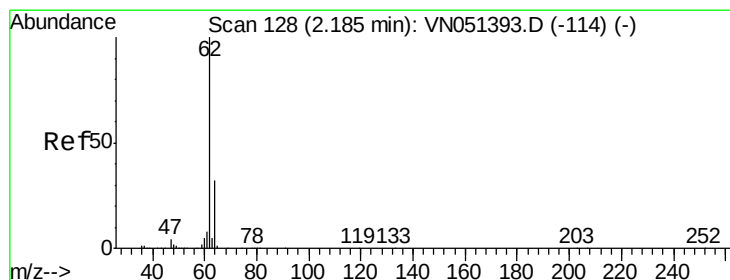
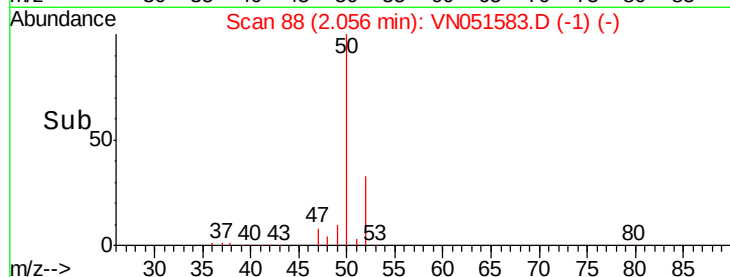
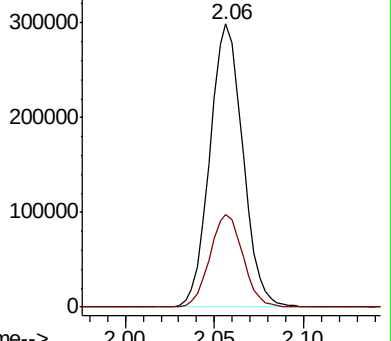
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 52.148 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051583.D

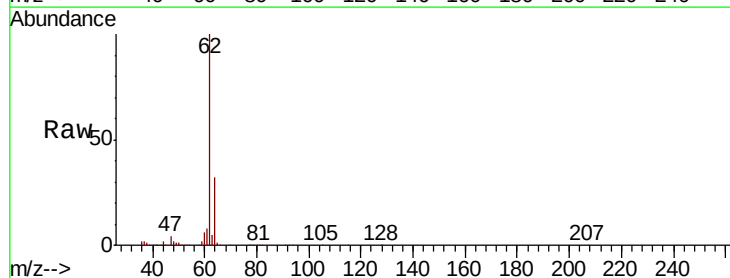
Acq: 27 Sep 2018 15:25

Tgt Ion: 62 Resp: 431806

Ion Ratio Lower Upper

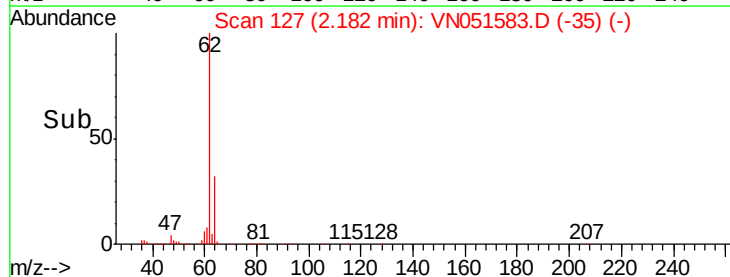
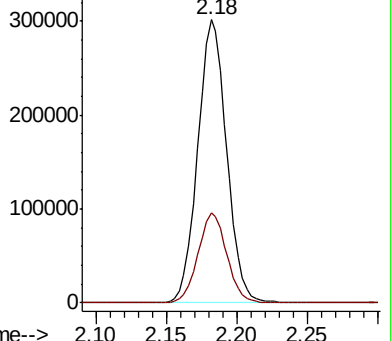
62 100

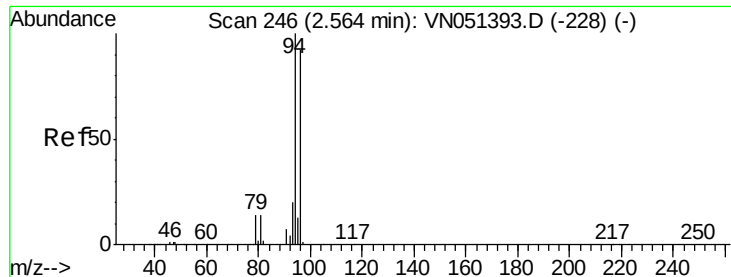
64 31.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 39.390 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 195401

Ion Ratio Lower Upper

94 100

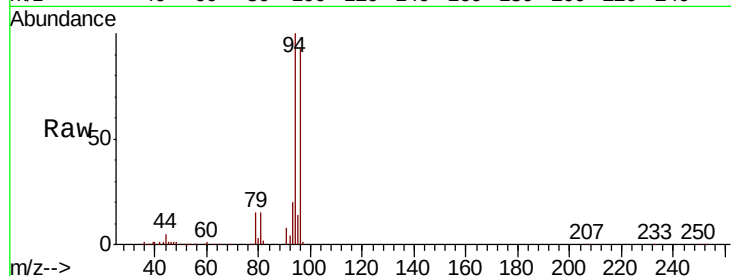
96 93.3 73.6 110.4

Manual Integrations

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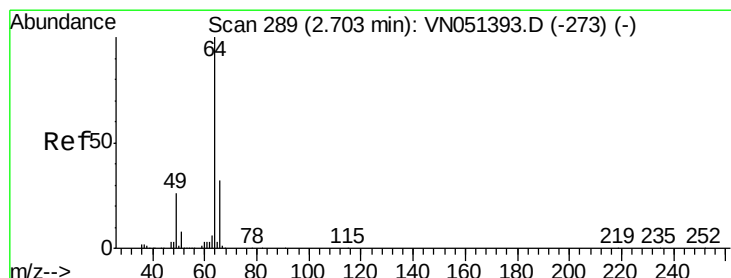
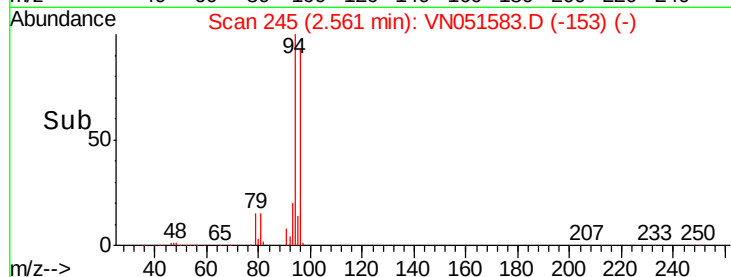
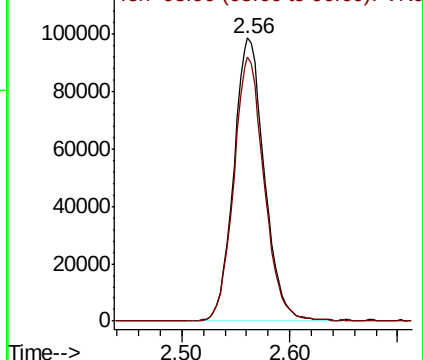
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.223 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051583.D

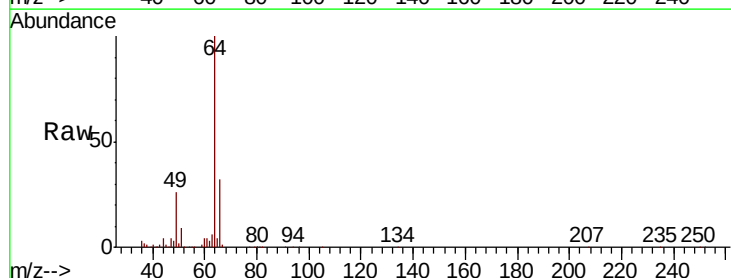
Acq: 27 Sep 2018 15:25

Tgt Ion: 64 Resp: 207535

Ion Ratio Lower Upper

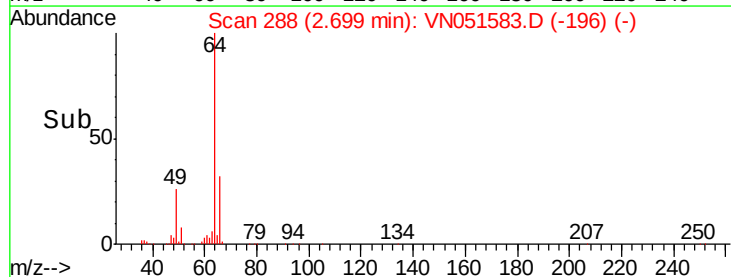
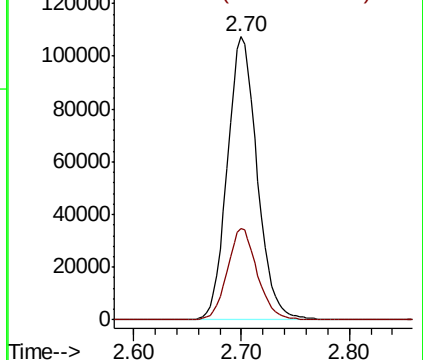
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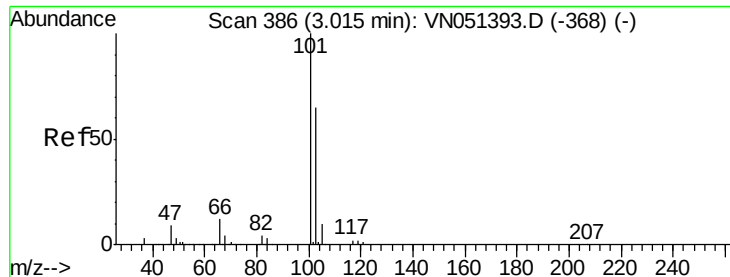
66 32.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

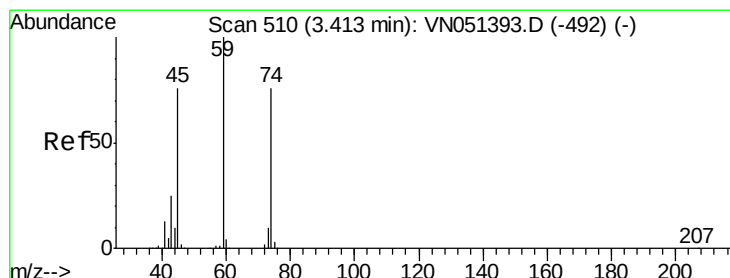
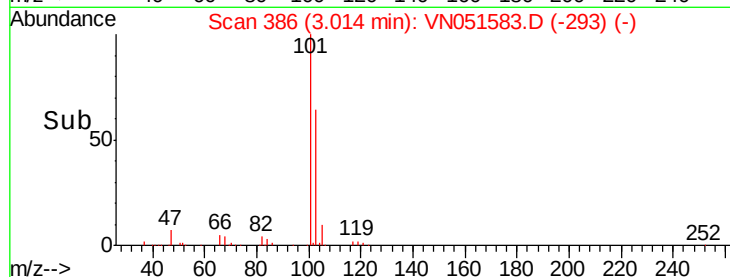
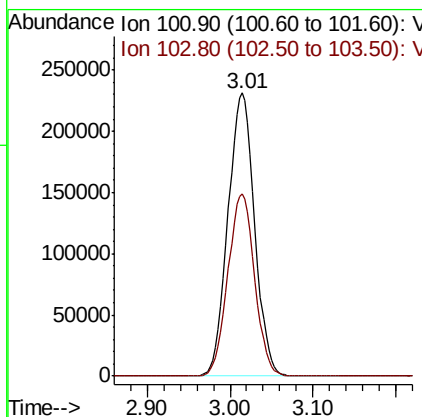
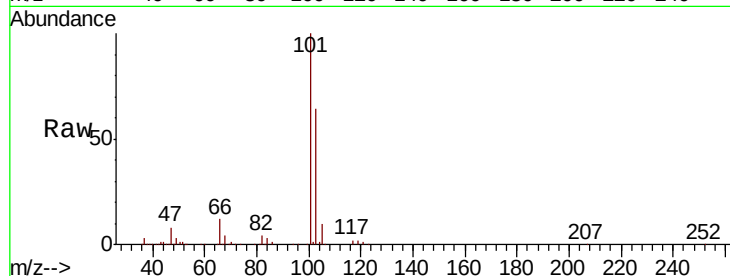
Trichlorofluoromethane
 Concen: 47.612 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.8

Manual Integrations
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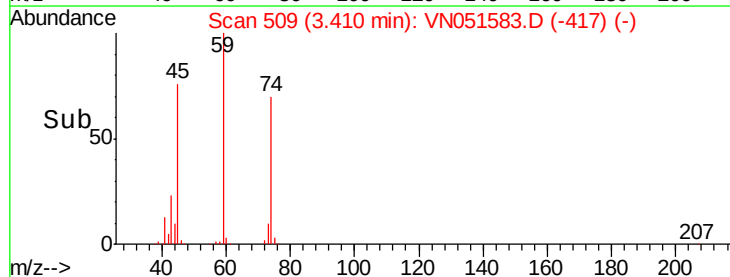
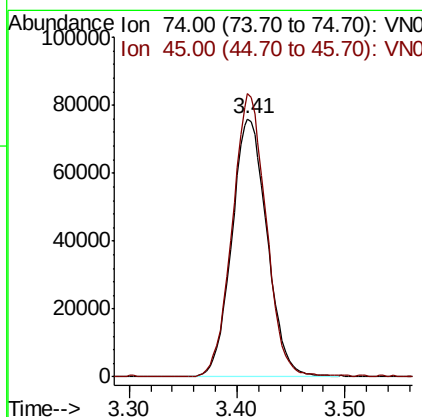
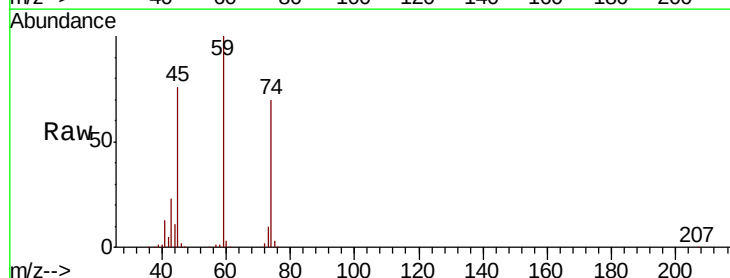
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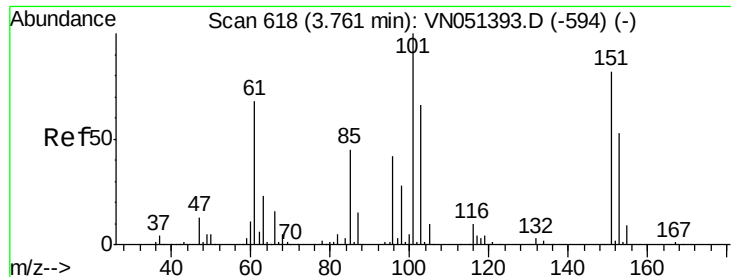


#8

Diethyl Ether
 Concen: 51.003 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	50.2	150.7





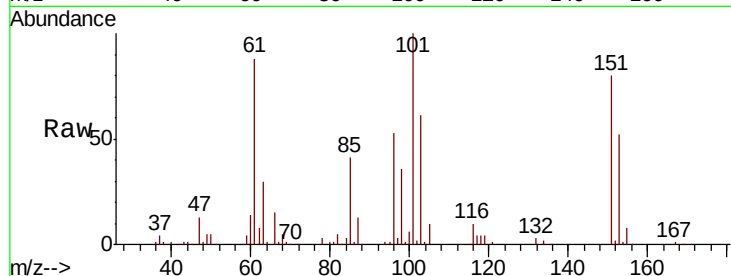
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.259 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	307644		
85	43.4		33.9	50.9
151	82.5		65.2	97.8

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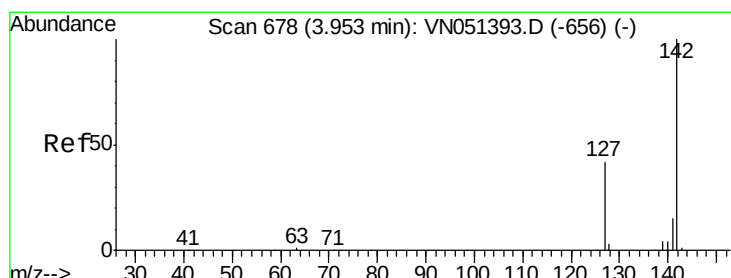
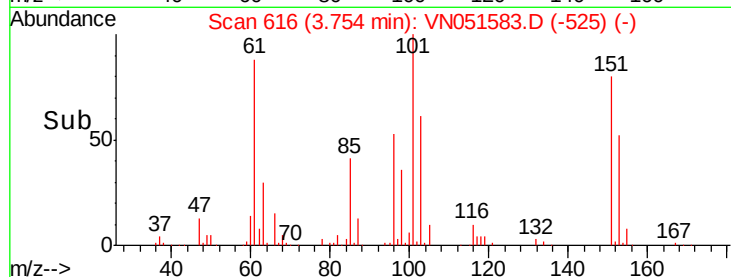
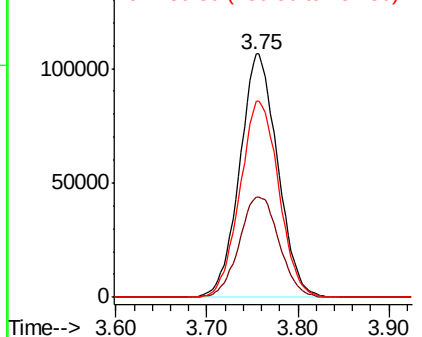


Abundance

Ion 100.90 (100.60 to 101.60): V

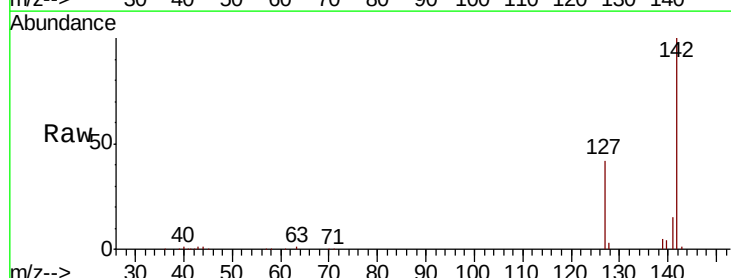
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 46.528 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	378184		
127	42.7		33.2	49.8
141	14.7		11.5	17.3

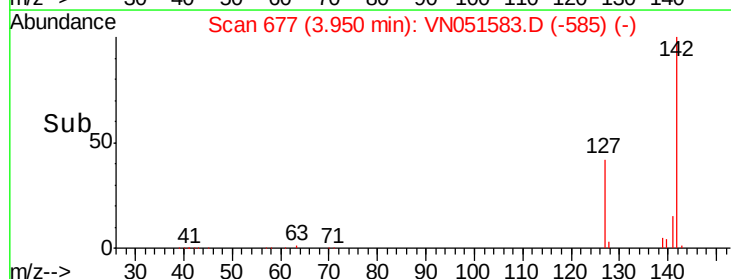
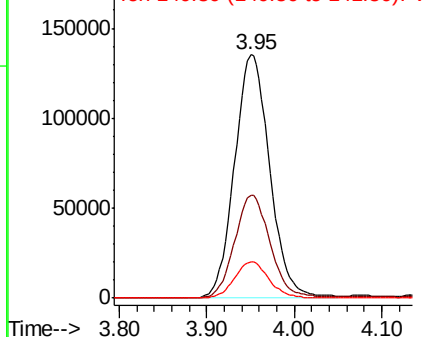


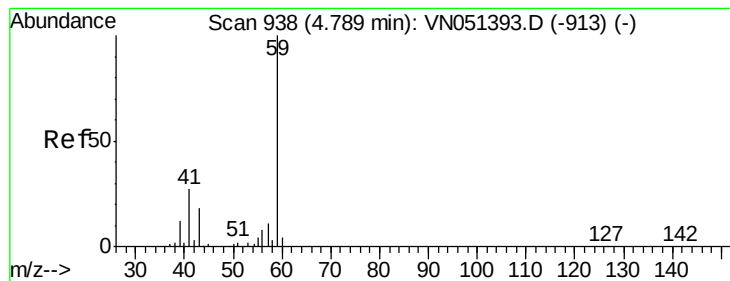
Abundance

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

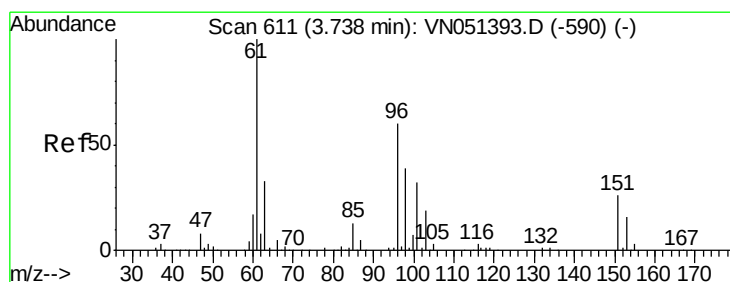
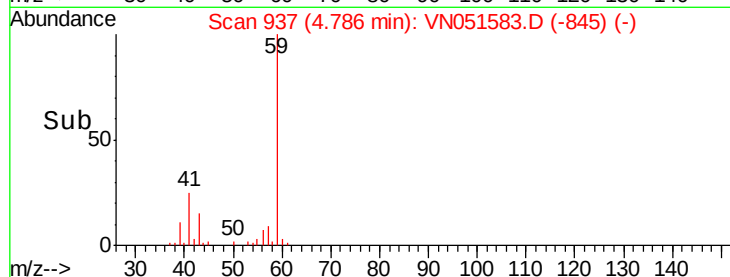
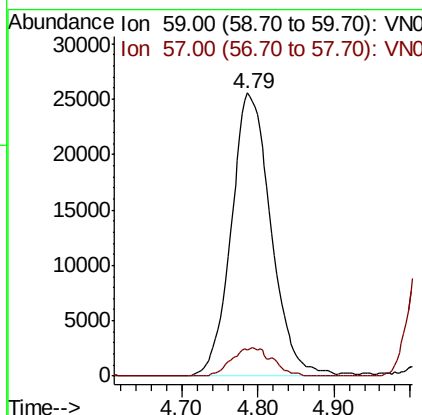
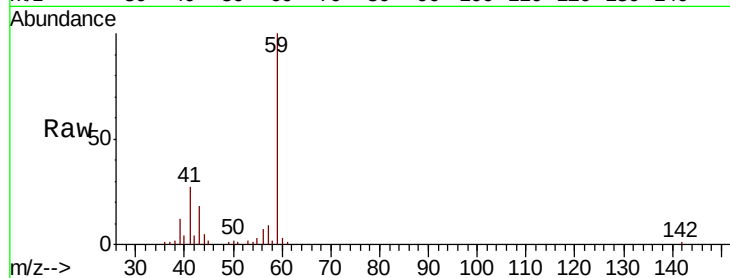
Tert butyl alcohol
 Concen: 259.442 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.2	9.2#

Manual Integrations
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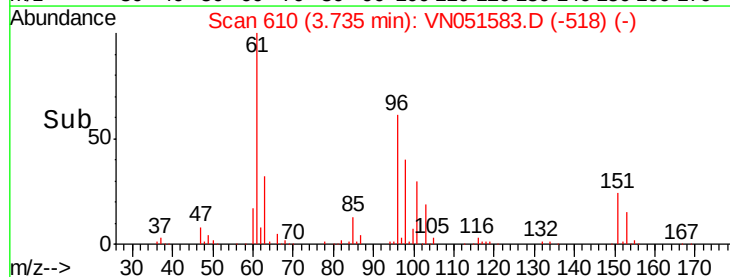
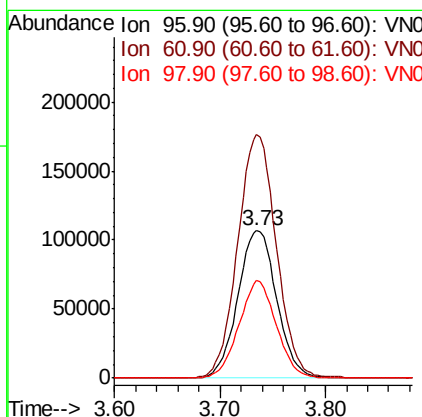
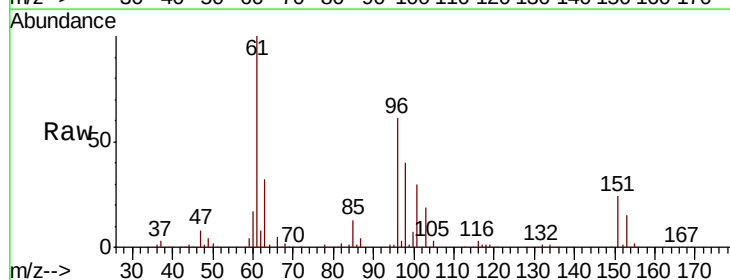
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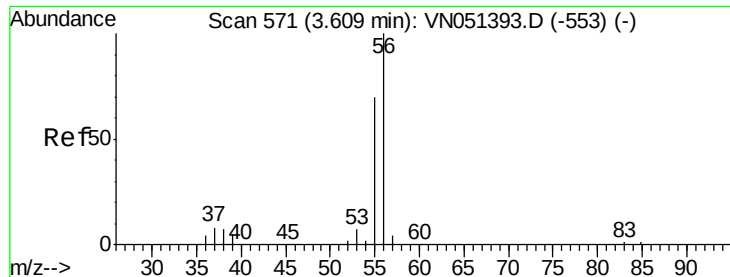


#12

1,1-Dichloroethene
 Concen: 48.612 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.1	133.6	200.4
98	66.1	52.2	78.2





#13

Acrolein

Concen: 179.734 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63741

Ion Ratio Lower Upper

56 100

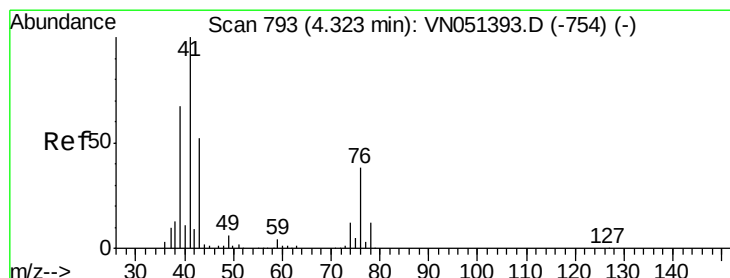
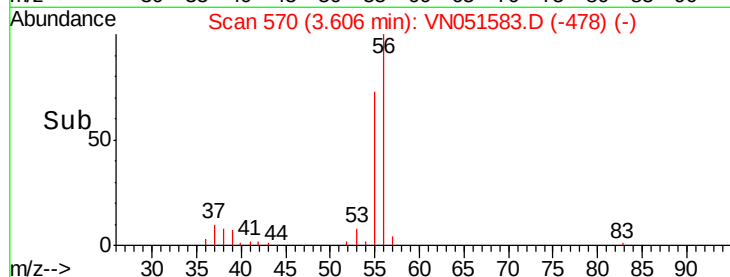
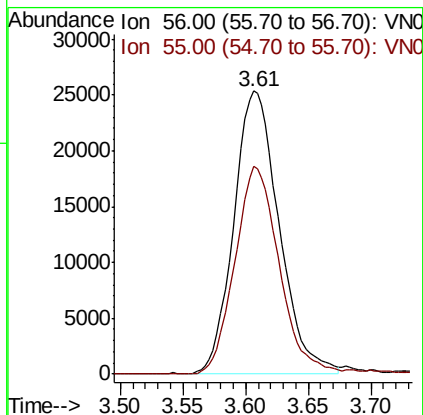
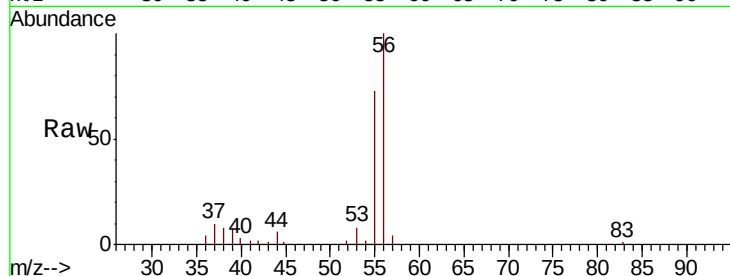
55 71.5 57.8 86.8

Manual Integrations

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#14

Allyl chloride

Concen: 52.866 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

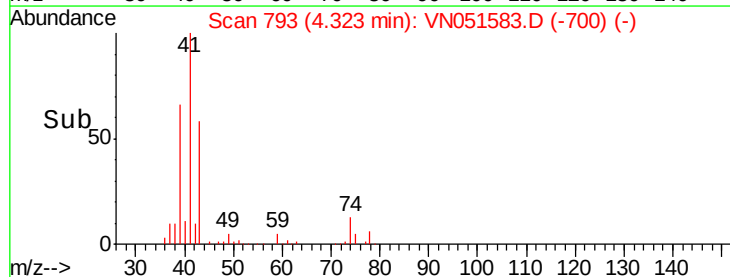
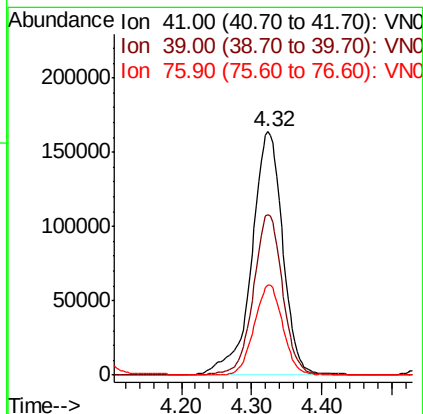
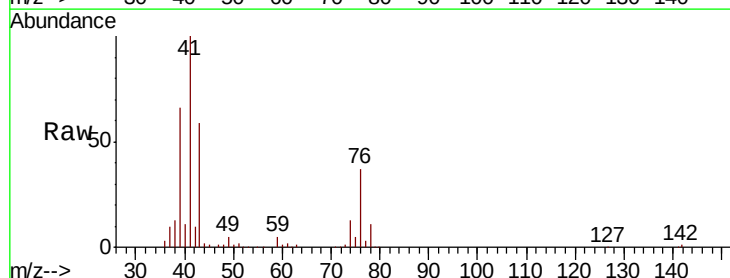
Tgt Ion: 41 Resp: 498523

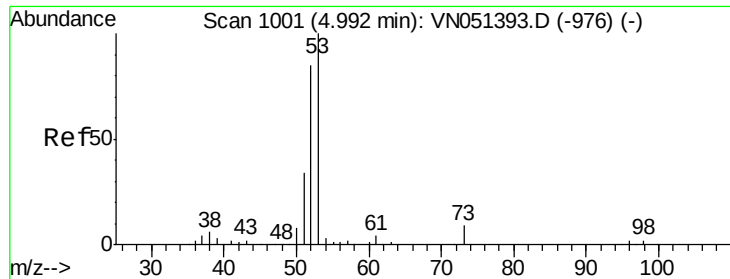
Ion Ratio Lower Upper

41 100

39 62.9 51.4 77.2

76 33.9 28.1 42.1





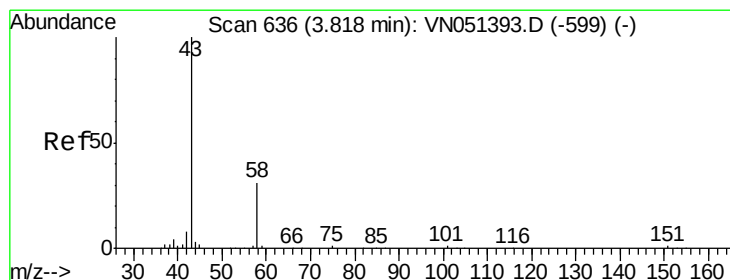
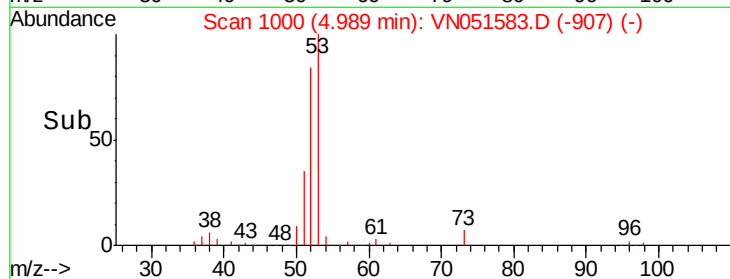
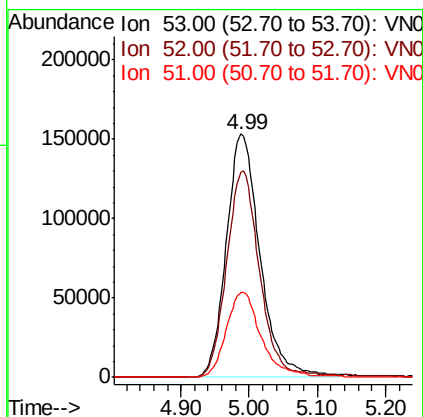
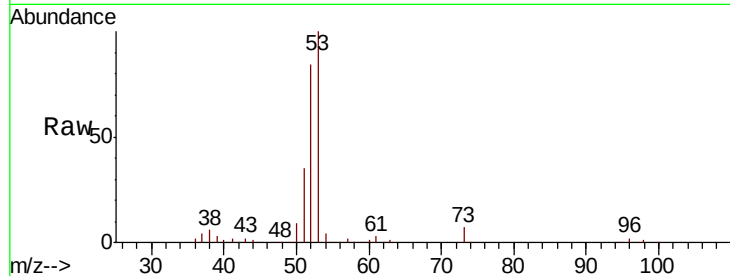
#15
 Acrylonitrile
 Concen: 271.651 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	527757
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.1	28.6	42.8

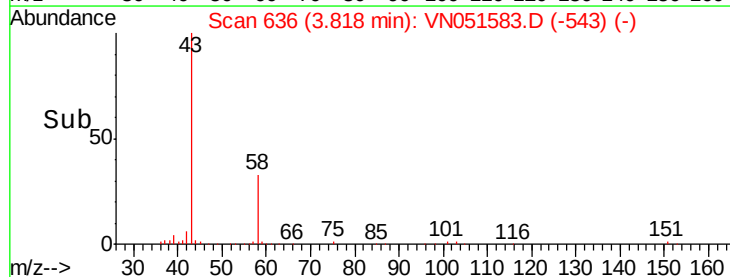
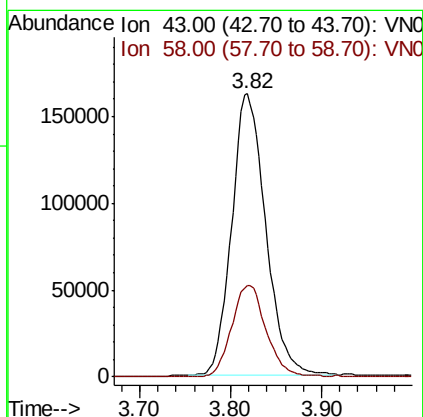
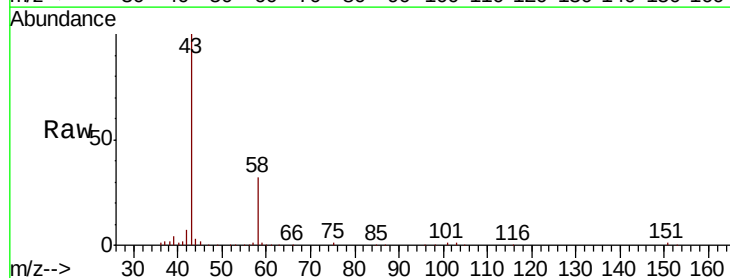
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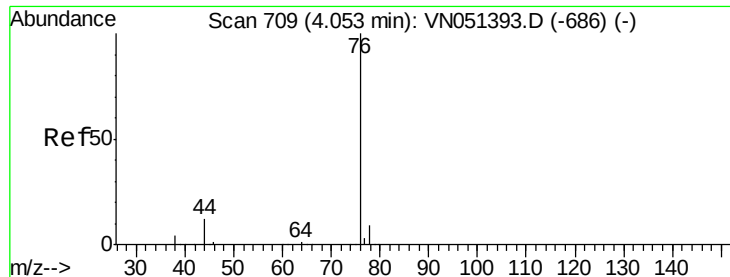
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#16
 Acetone
 Concen: 304.504 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion:	43	Resp:	420837
Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.0	37.4





#17

Carbon Disulfide

Concen: 51.971 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 858168

Ion Ratio Lower Upper

76 100

78 9.2

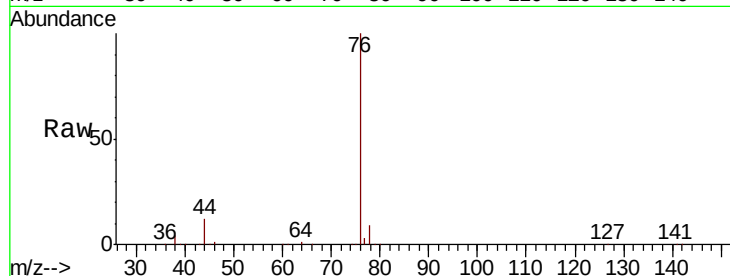
7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

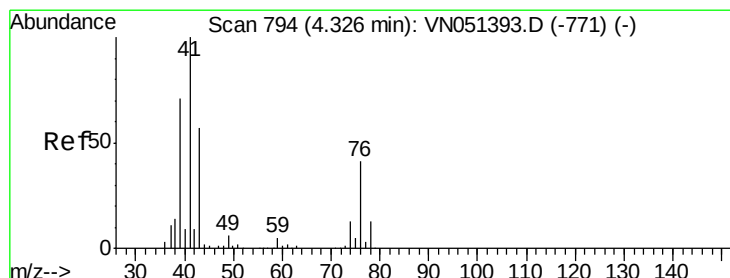
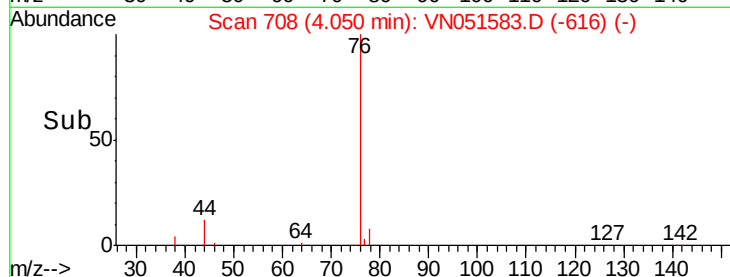
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 59.438 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

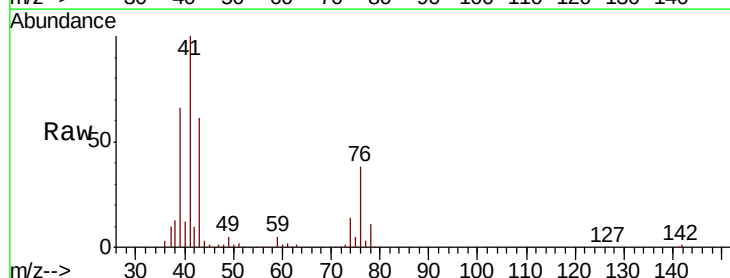
Tgt Ion: 43 Resp: 286457

Ion Ratio Lower Upper

43 100

74 23.2

18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

100000

80000

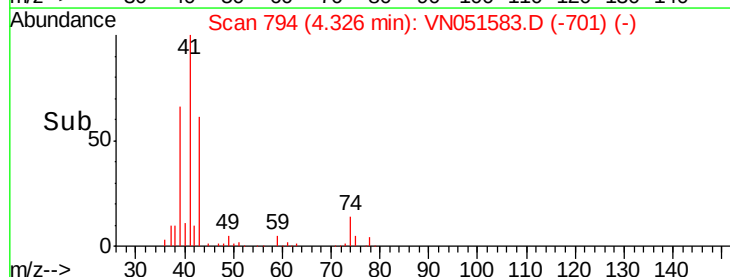
60000

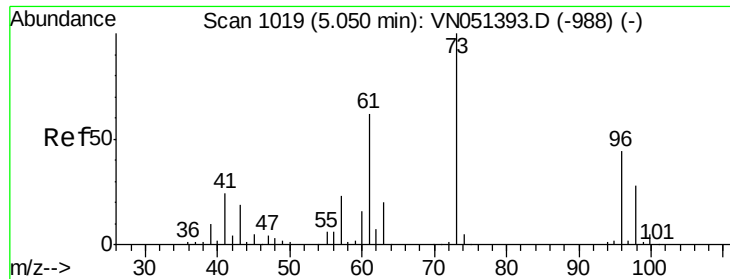
40000

20000

0

Time-->





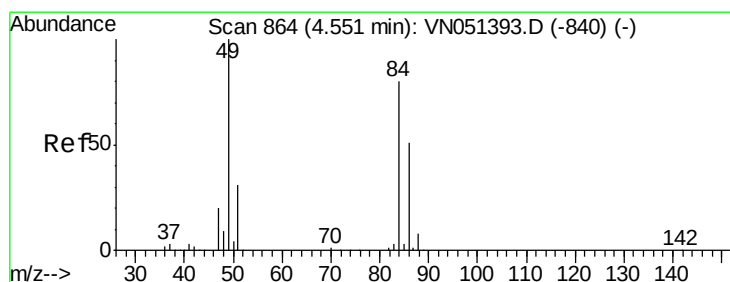
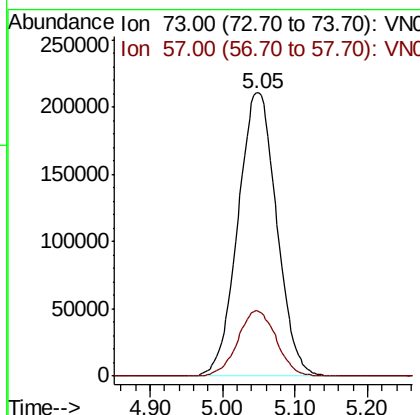
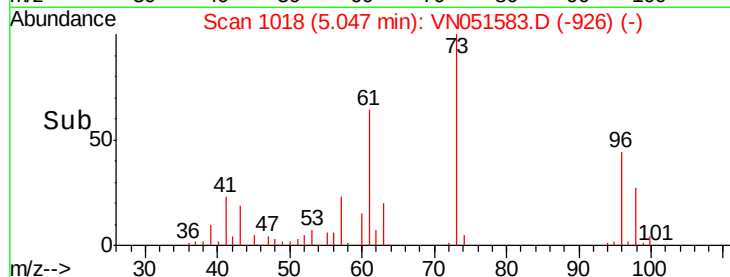
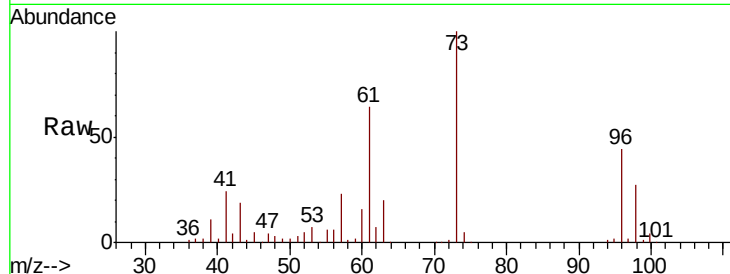
#19
Methyl tert-butyl Ether
Concen: 54.026 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.3	27.5

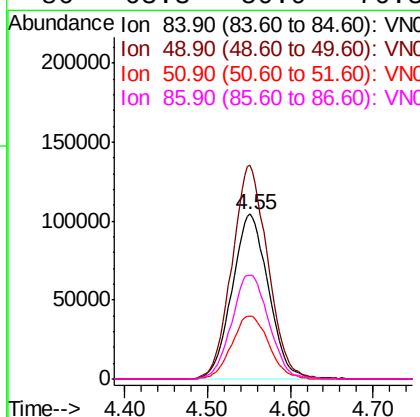
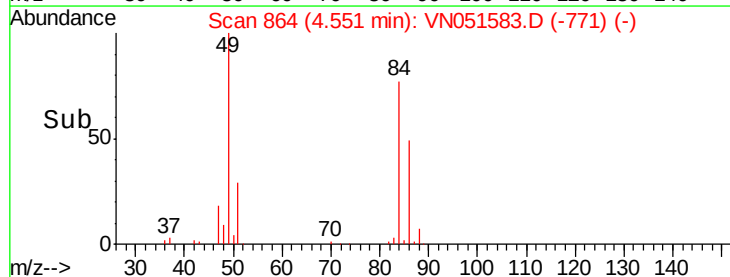
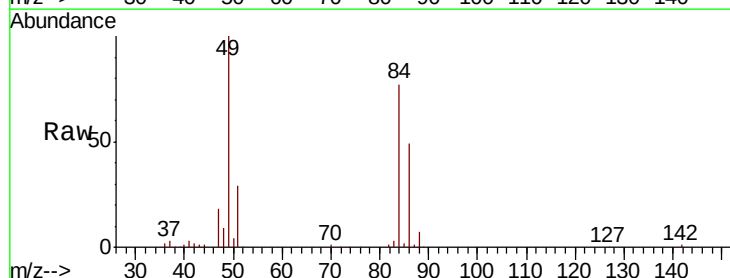
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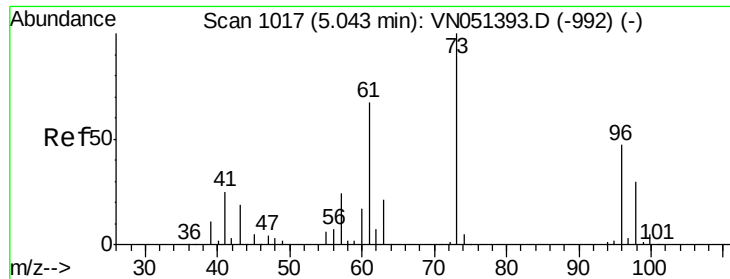
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#20
Methylene Chloride
Concen: 50.821 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.6	99.9	149.9
51	38.3	31.4	47.2
86	63.3	50.9	76.3





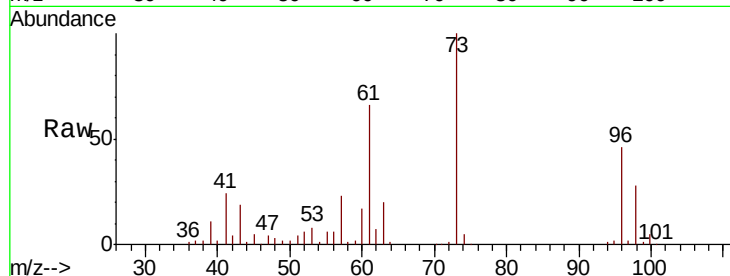
#21
trans-1,2-Dichloroethene
Concen: 52.588 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	113.4	170.2
98	60.8	51.1	76.7

Manual Integrations
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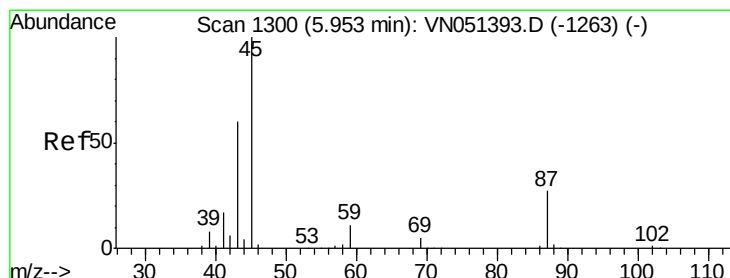
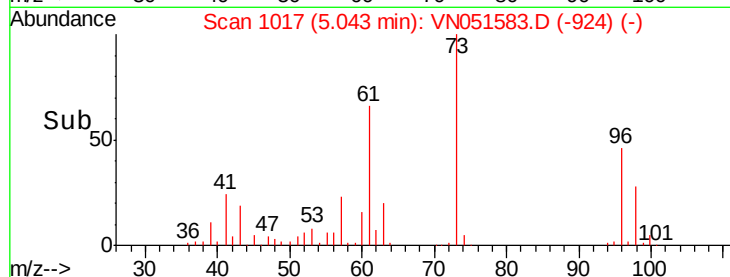
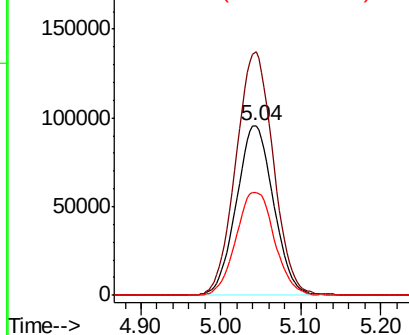


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 56.526 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	47.7	71.5
87	26.5	22.0	33.0
59	11.3	9.3	13.9

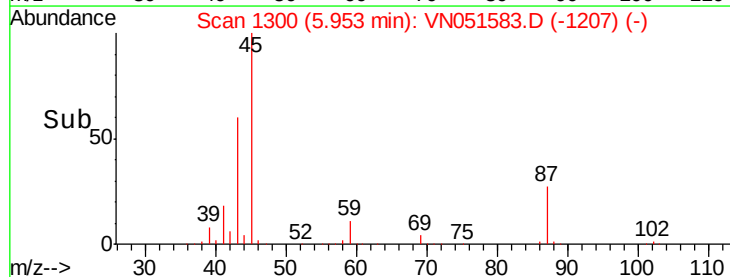
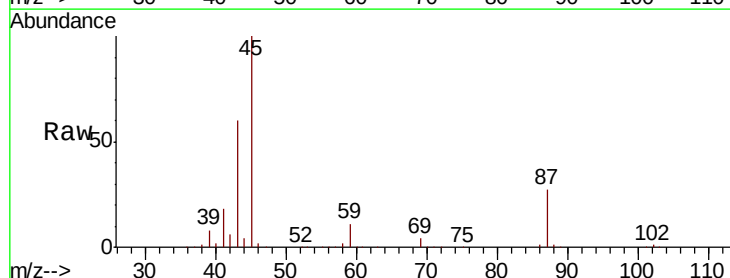
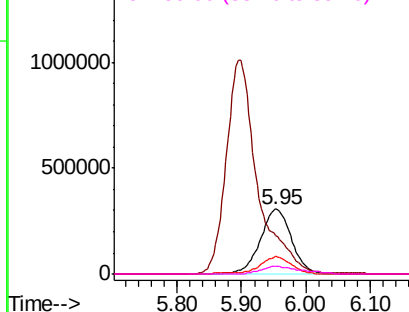
Abundance

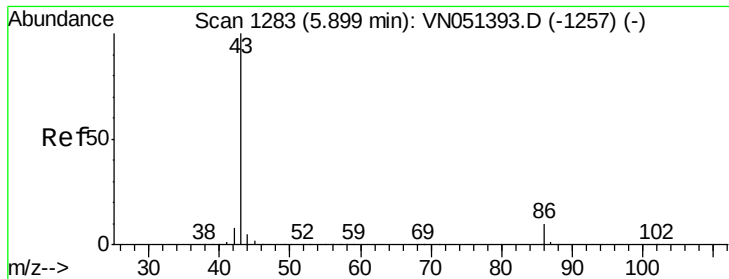
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





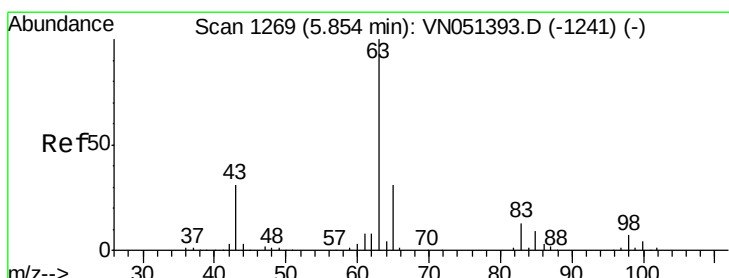
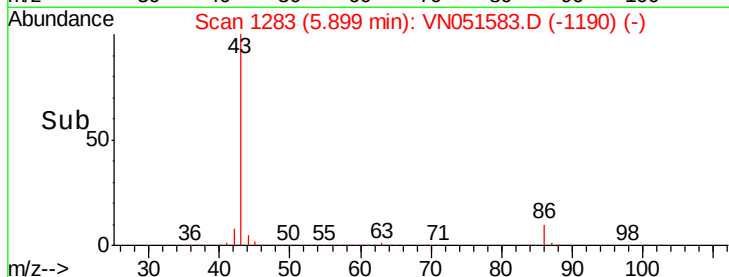
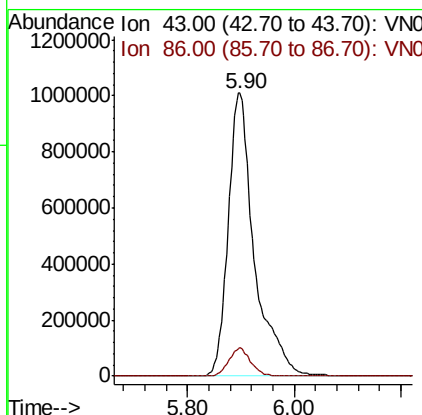
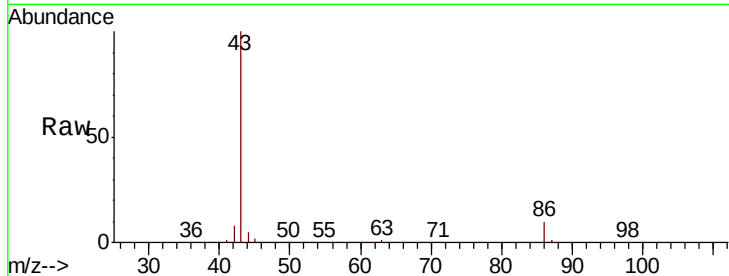
#23
 Vinyl Acetate
 Concen: 285.920 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3421604
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.2 12.2

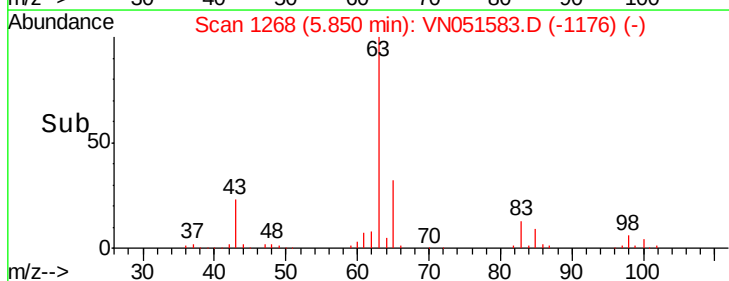
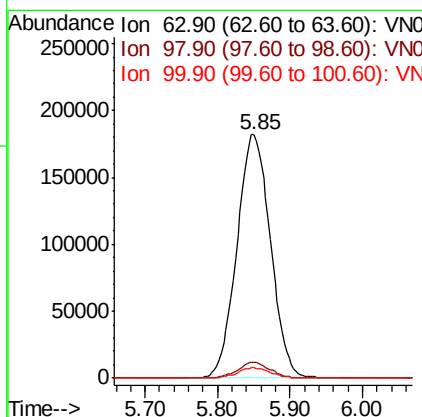
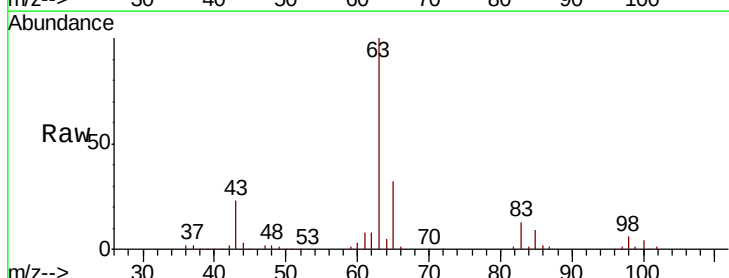
Manual Integrations
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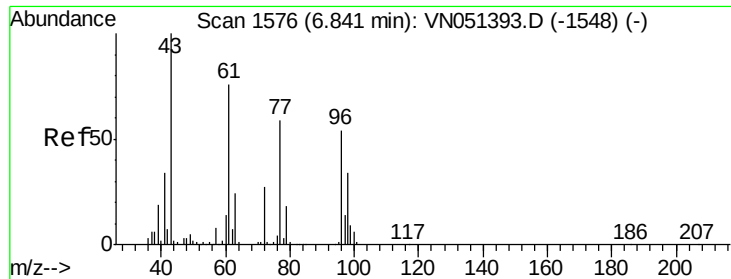
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 53.934 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion: 63 Resp: 586575
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.1
 100 4.3 2.2 6.6





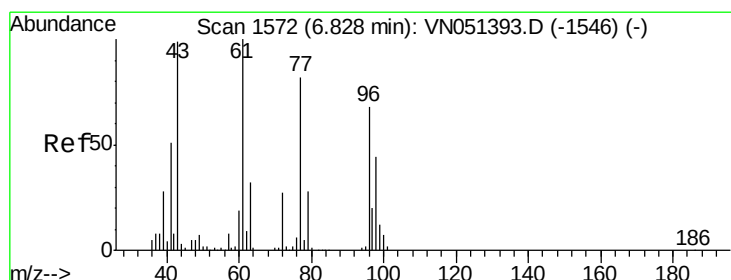
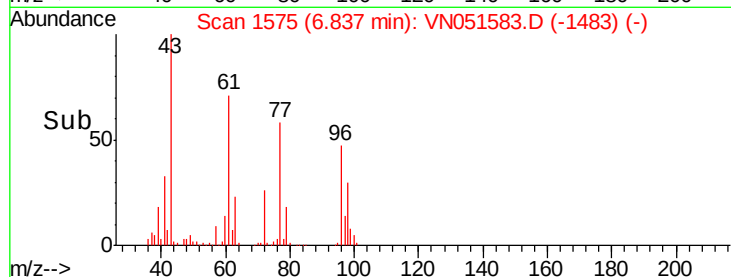
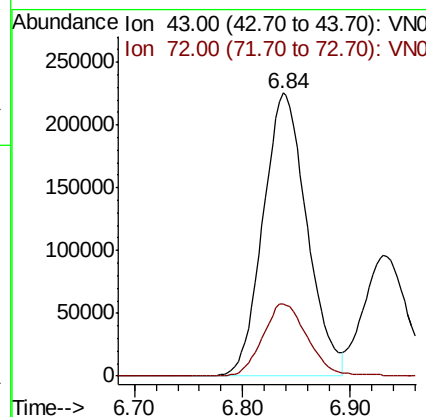
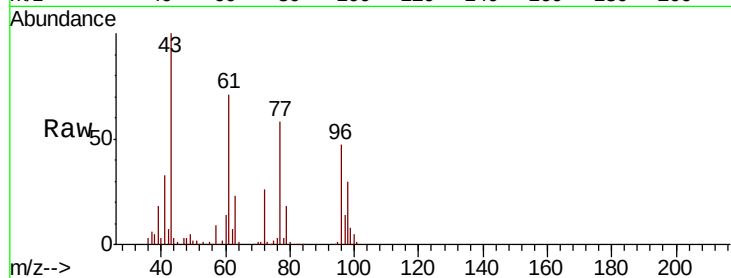
#25
 2-Butanone
 Concen: 292.457 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 633441
 Ion Ratio Lower Upper
 43 100
 72 25.7 21.8 32.6

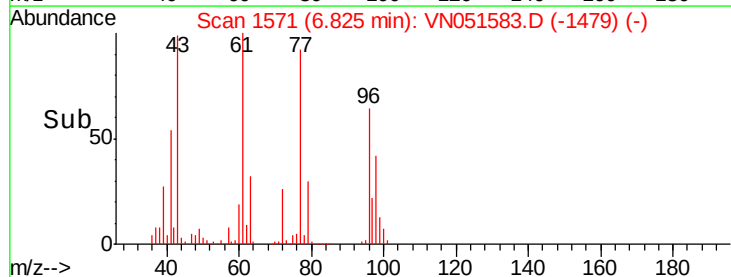
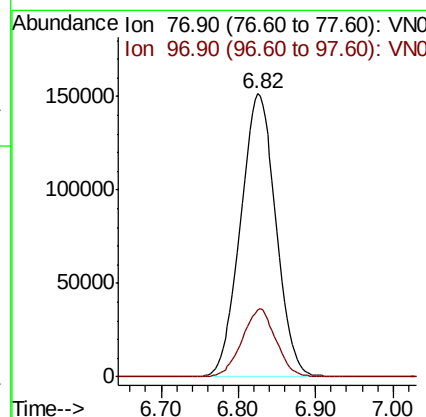
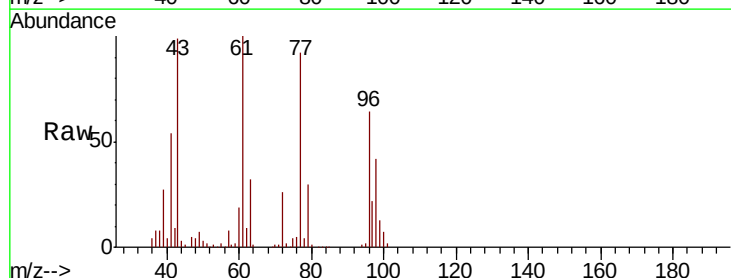
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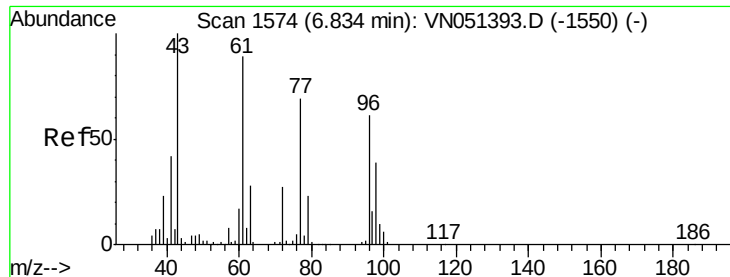
MMDadoda
 9/28/2018 5:08:27 PM



#26
 2,2-Dichloropropane
 Concen: 56.645 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion: 77 Resp: 480896
 Ion Ratio Lower Upper
 77 100
 97 23.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 50.963 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

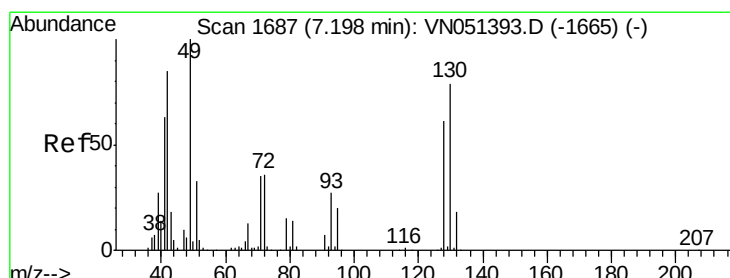
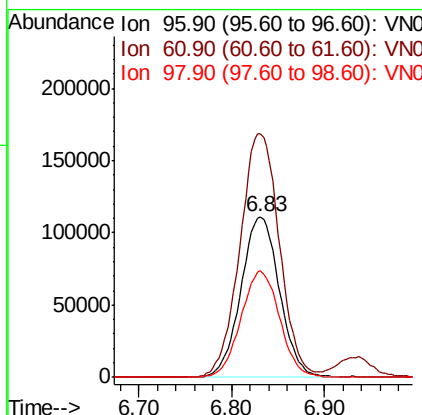
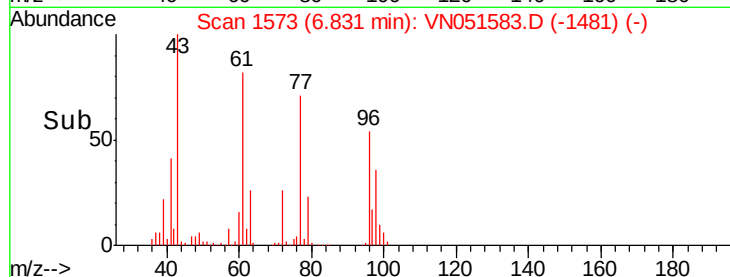
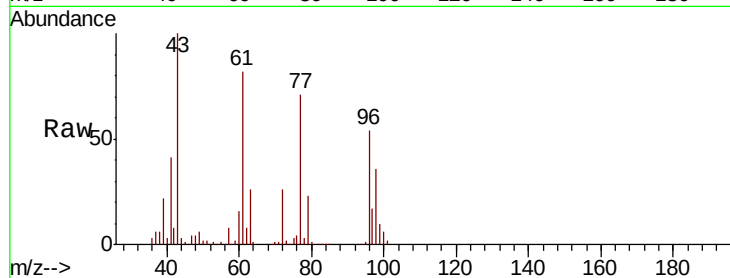
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	321513
Ion Ratio	Lower	Upper	
96	100		
61	155.5	0.0	291.4
98	66.7	0.0	128.4

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#28

Bromochloromethane

Concen: 54.940 ug/l

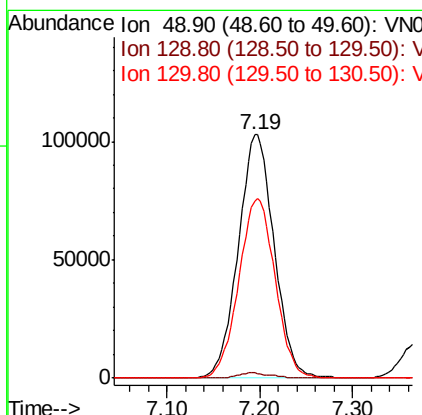
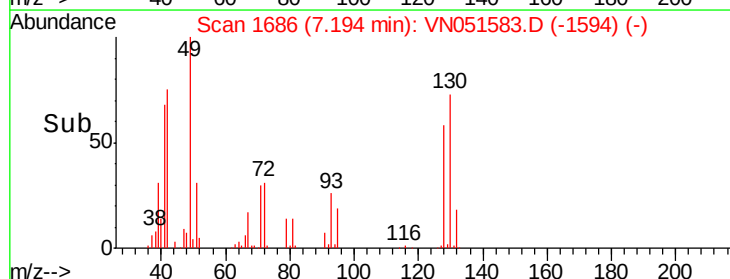
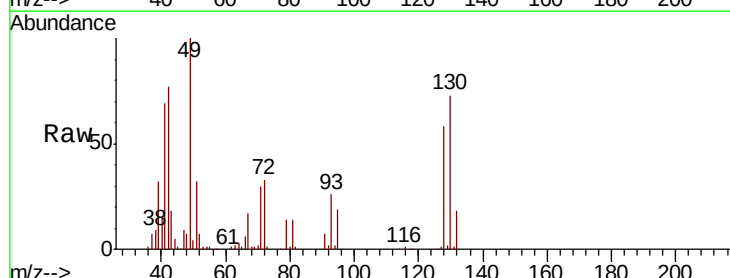
RT: 7.19 min Scan# 1686

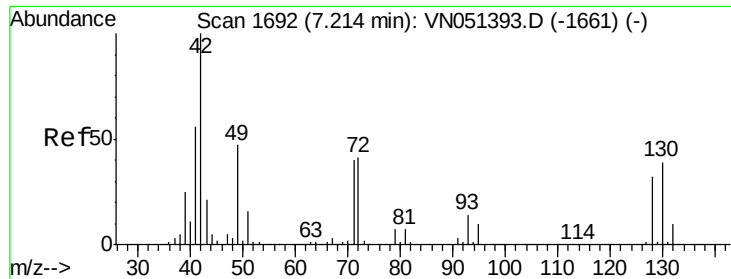
Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Tgt Ion:	49	Resp:	275930
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	74.8	63.0	94.4





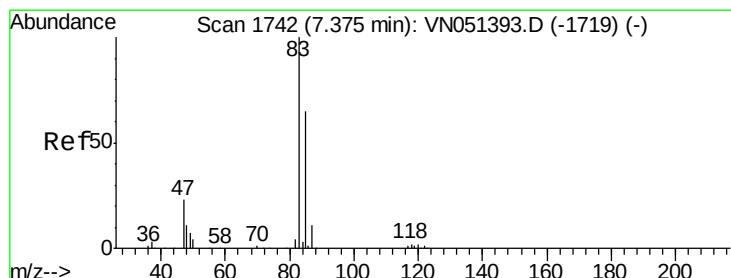
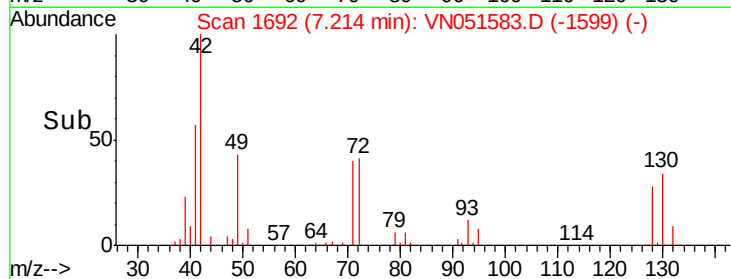
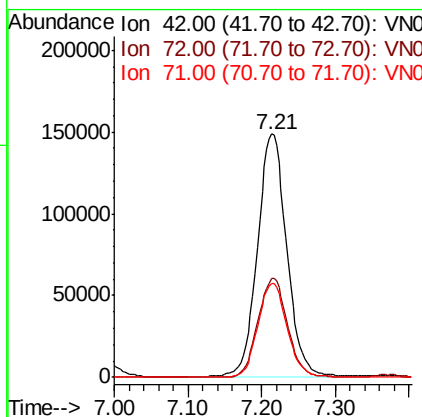
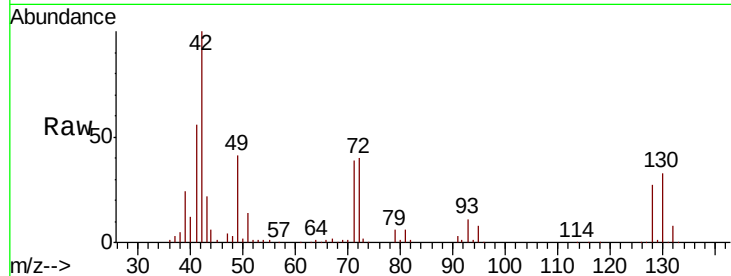
#29
Tetrahydrofuran
Concen: 300.164 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.3	51.5
71	38.8	32.2	48.4

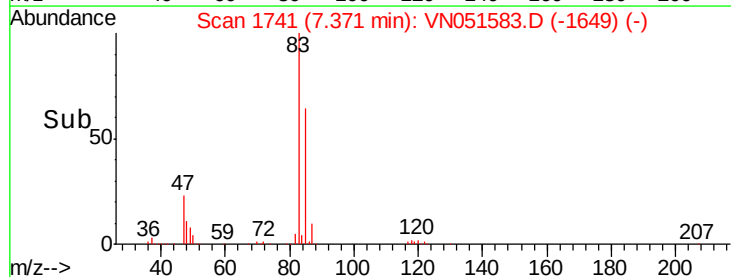
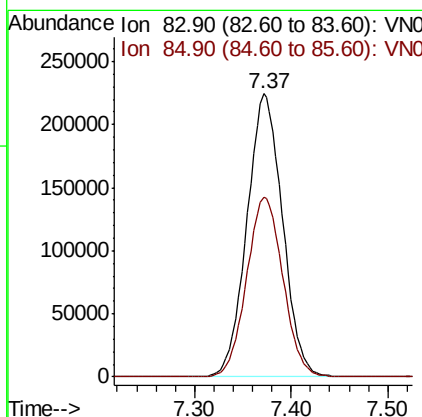
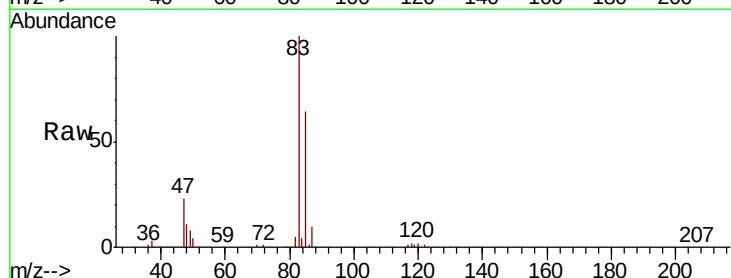
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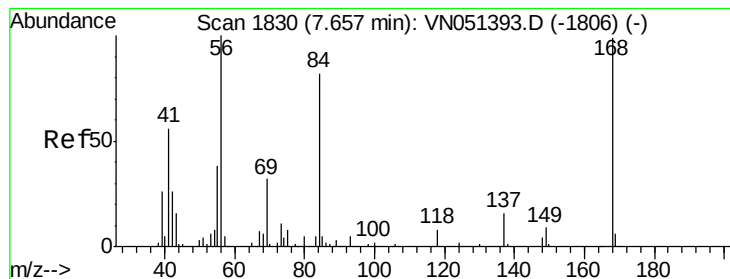
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#30
Chloroform
Concen: 53.225 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





#31

Cyclohexane

Concen: 54.348 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

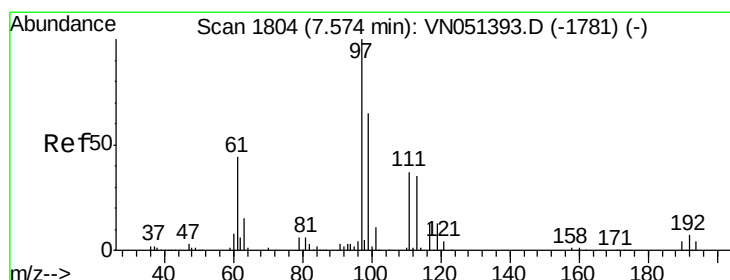
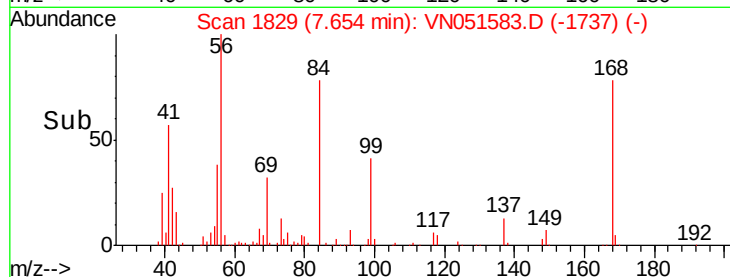
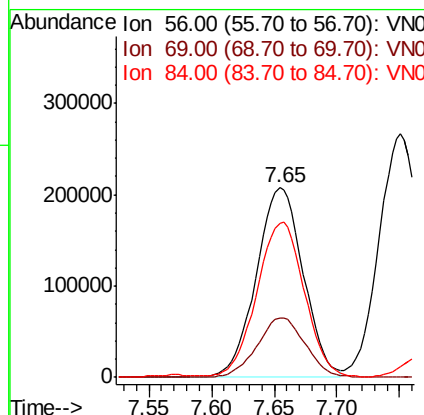
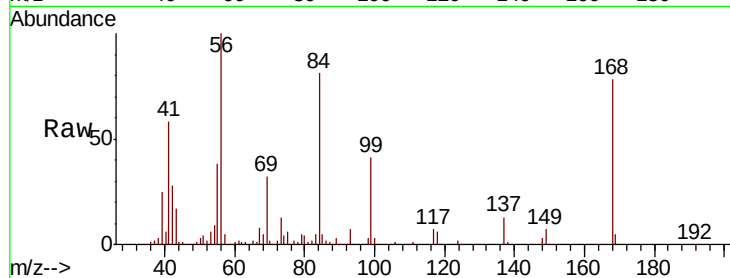
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	541539
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.8	38.6
84	80.3	66.0	99.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.265 ug/l

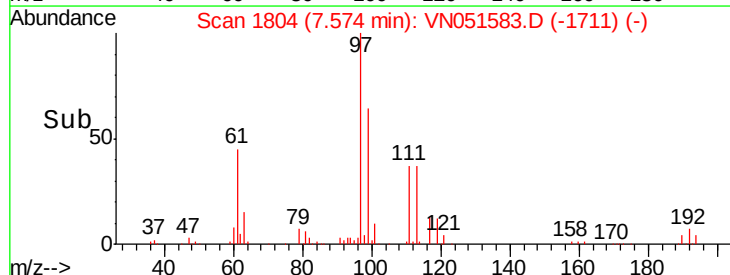
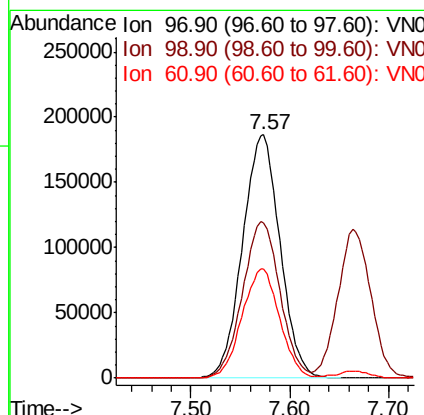
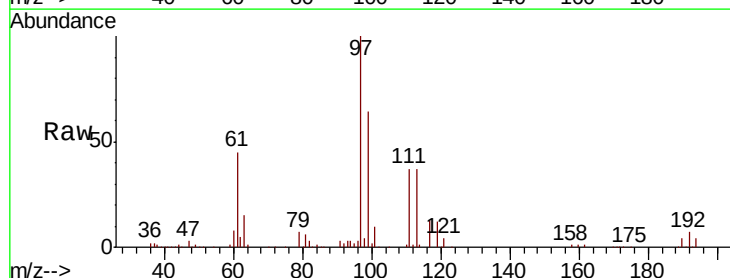
RT: 7.57 min Scan# 1804

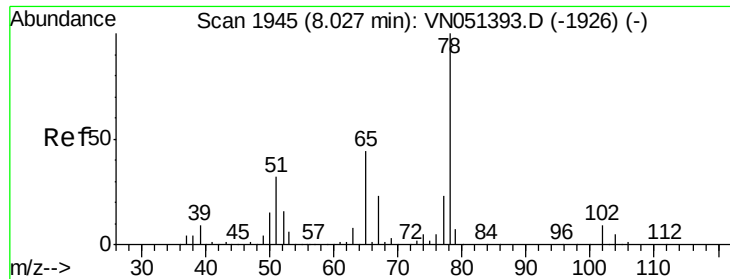
Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Tgt Ion:	97	Resp:	490723
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	45.0	35.8	53.8





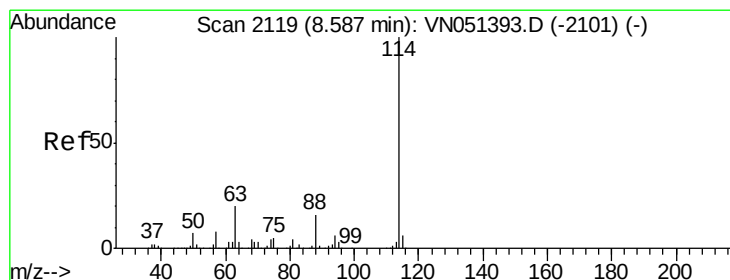
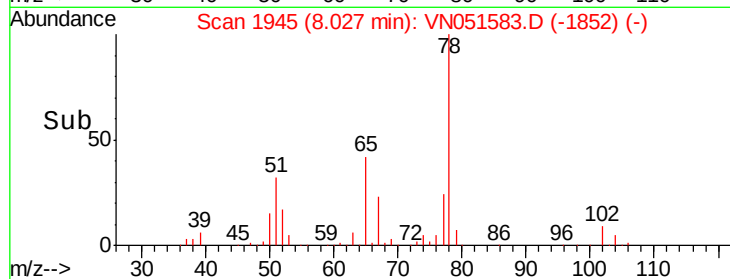
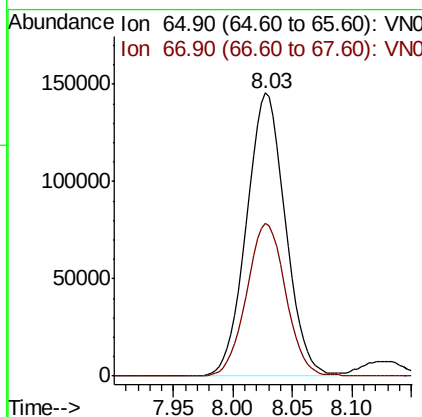
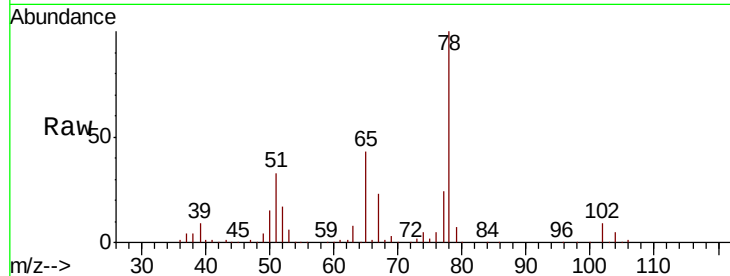
#33
 1,2-Dichloroethane-d4
 Concen: 52.219 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	330442		
67	54.4	0.0	107.8	

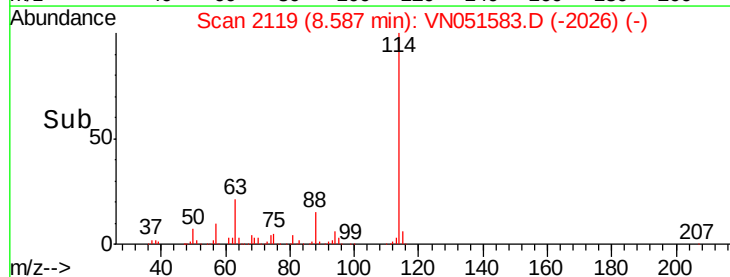
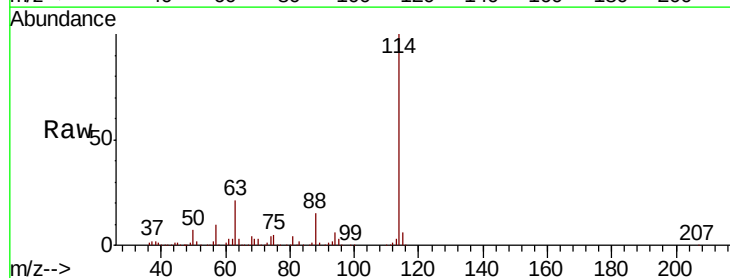
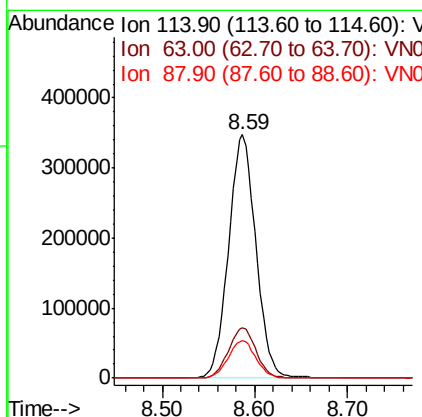
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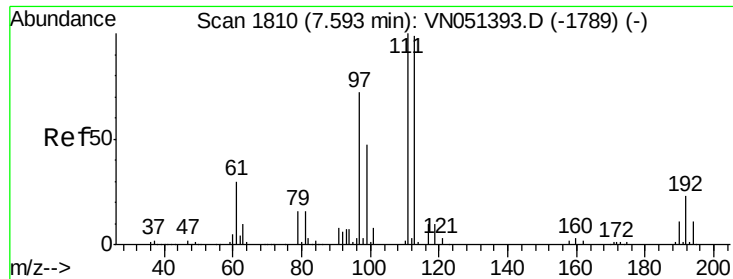
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	709093		
63	20.5	0.0	40.2	
88	15.2	0.0	31.4	





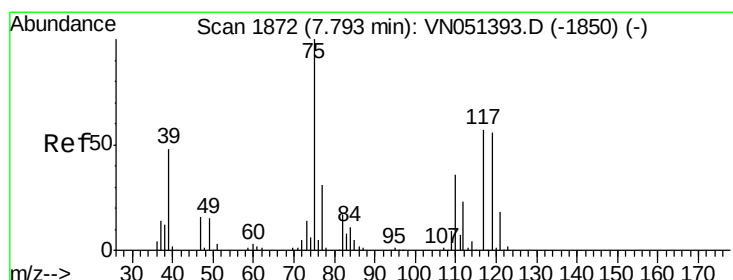
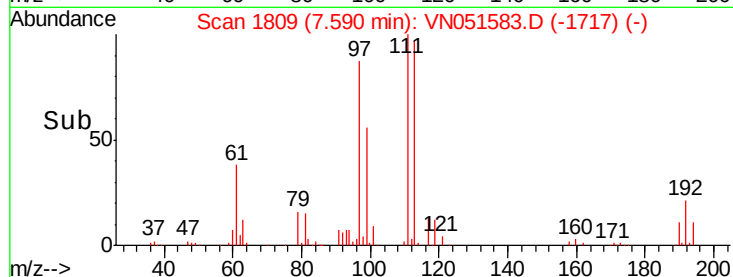
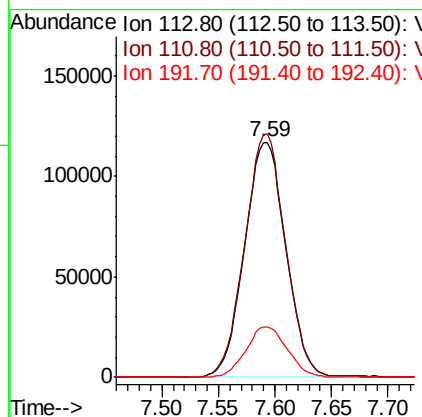
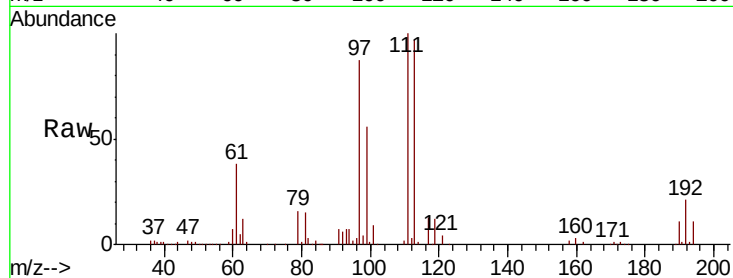
#35
 Dibromofluoromethane
 Concen: 52.467 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	297501		
111	102.1	82.6	123.8	
192	21.4	18.0	27.0	

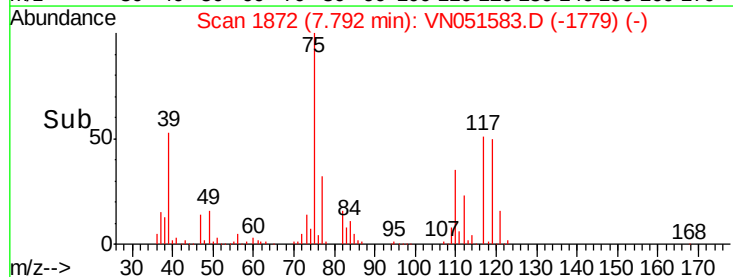
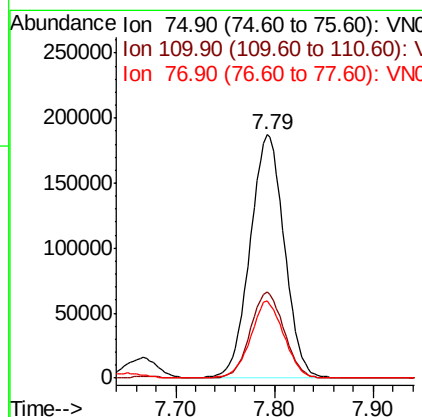
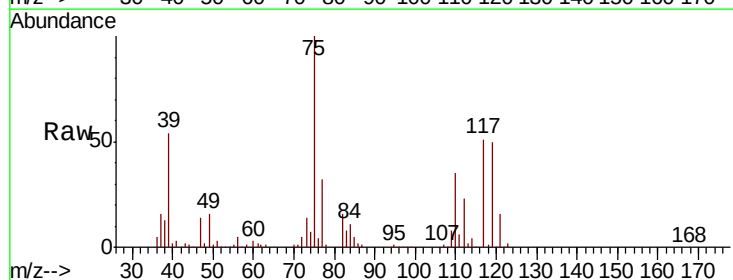
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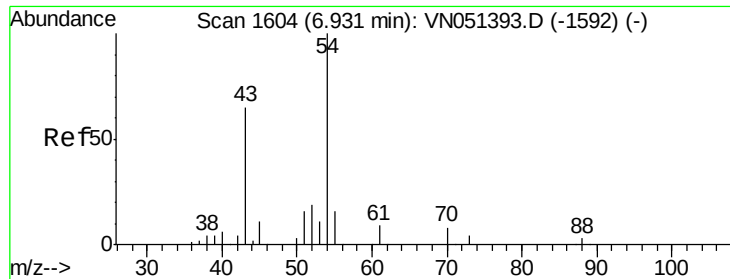
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#36
 1,1-Dichloropropene
 Concen: 54.186 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	444941		
110	35.0	18.1	54.3	
77	31.1	25.6	38.4	





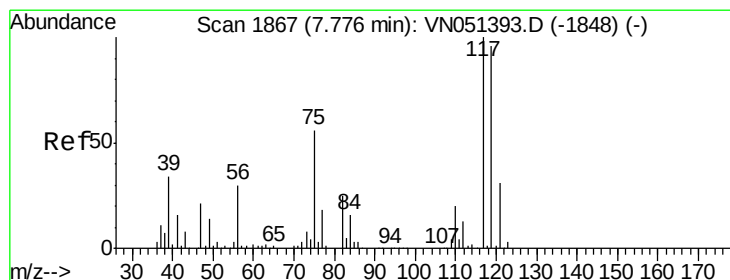
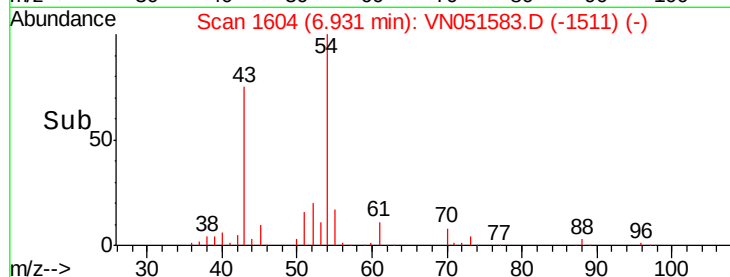
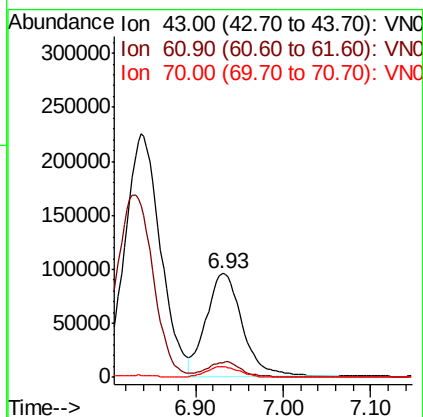
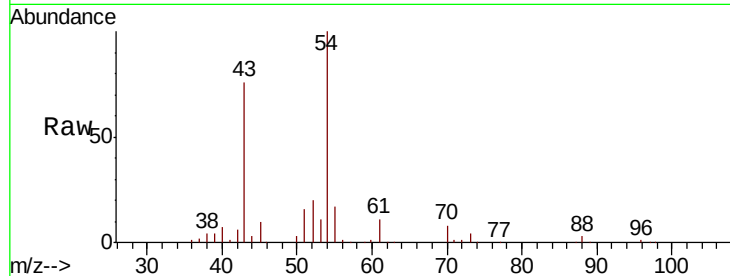
#37
Ethyl Acetate
Concen: 58.305 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.0	7.9	11.9

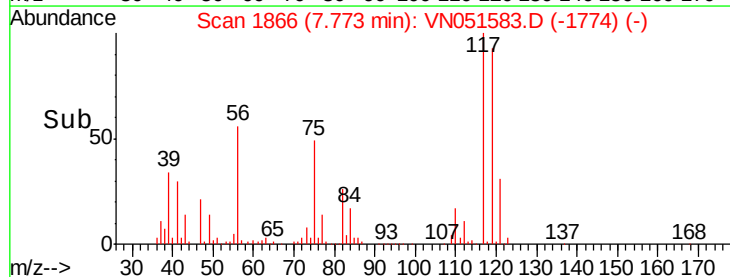
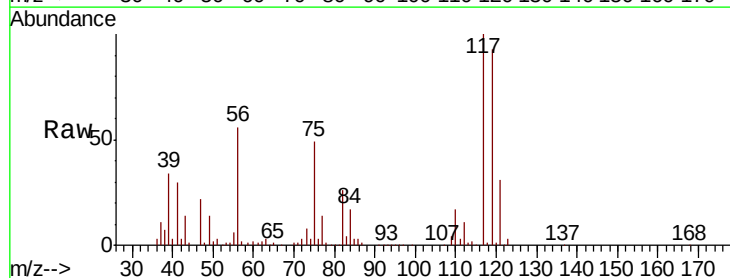
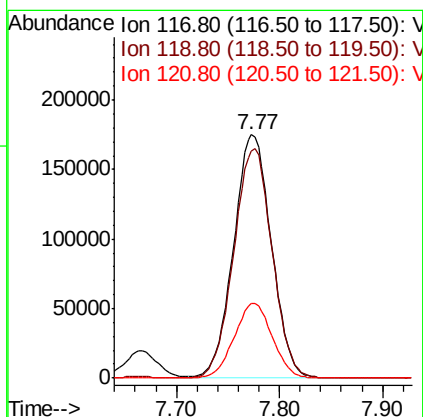
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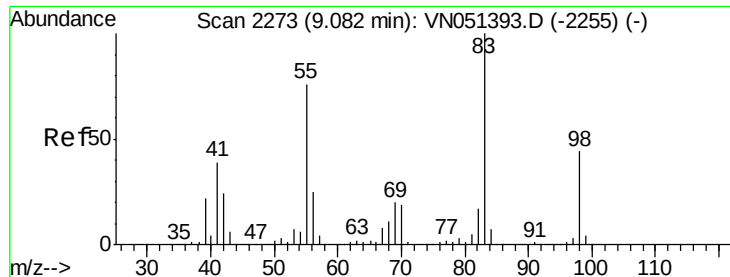
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#38
Carbon Tetrachloride
Concen: 51.876 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.9	115.3
121	30.8	24.6	37.0





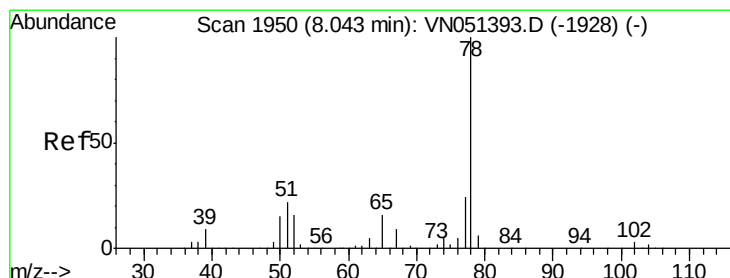
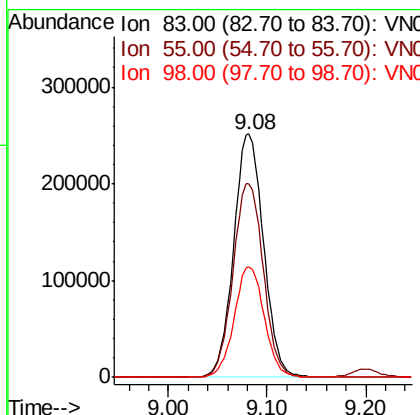
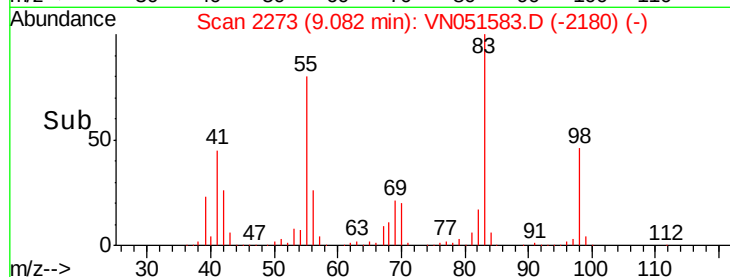
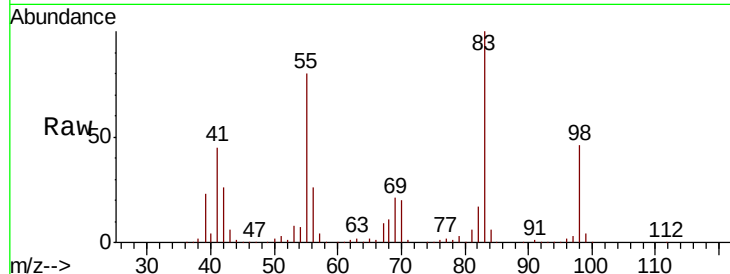
#39
Methylvlcyclohexane
Concen: 55.346 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	531271
Ion Ratio	100	Lower	Upper
83	100		
55	79.8	61.0	91.4
98	45.6	35.6	53.4

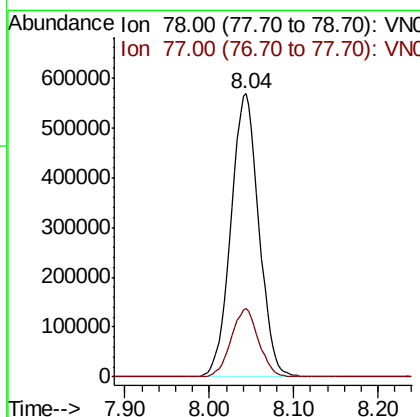
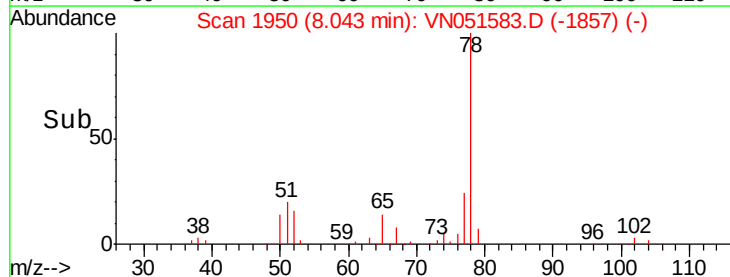
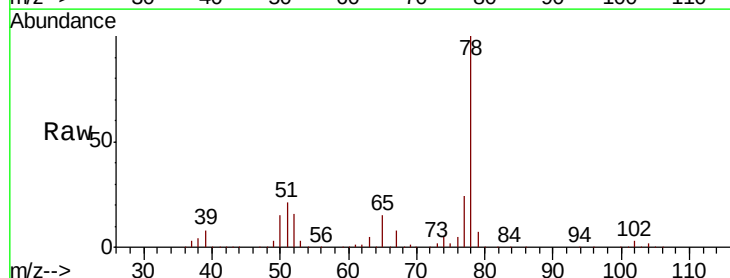
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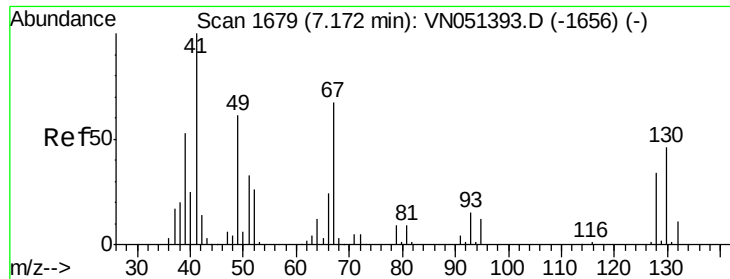
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#40
Benzene
Concen: 54.238 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	78.00	Resp	1307702
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.2	28.8





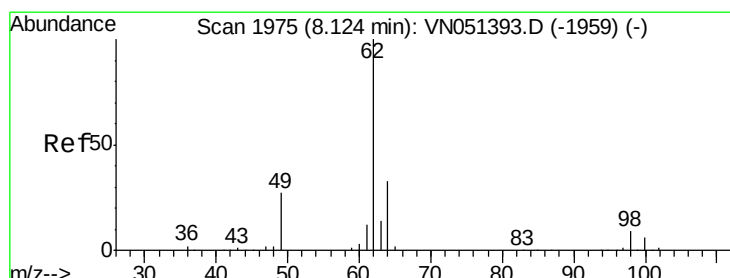
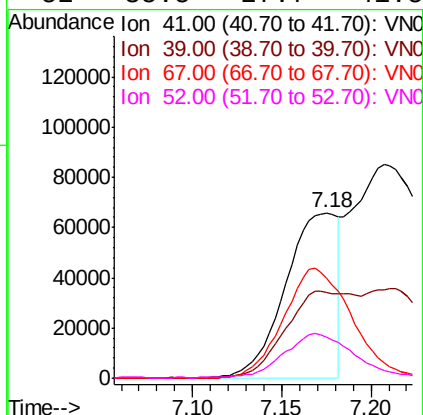
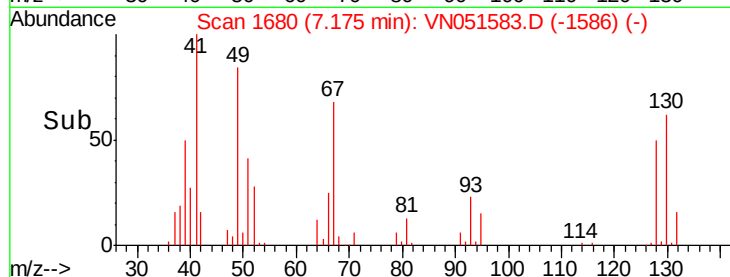
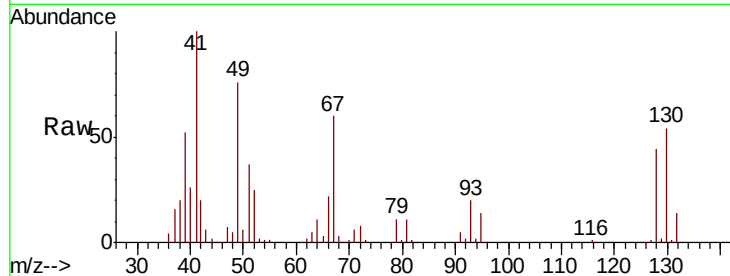
#41
Methacrylonitrile
Concen: 51.497 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	134511
Ion Ratio	Lower	Upper	
41	100		
39	51.9	51.4	77.2
67	87.4	66.8	100.2
52	35.5	27.7	41.5

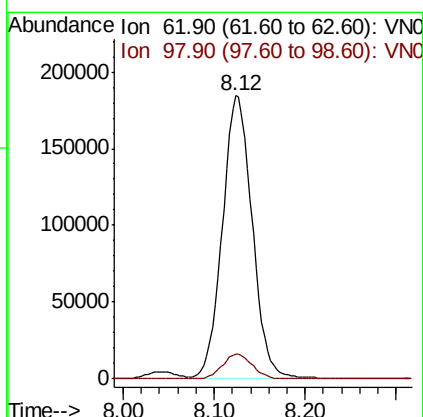
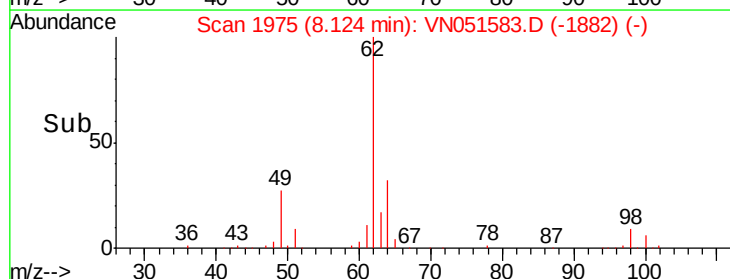
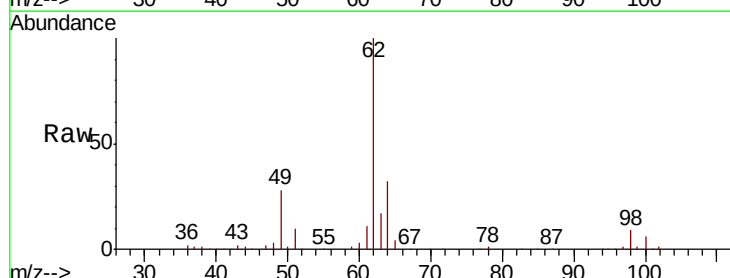
Manual Integrations
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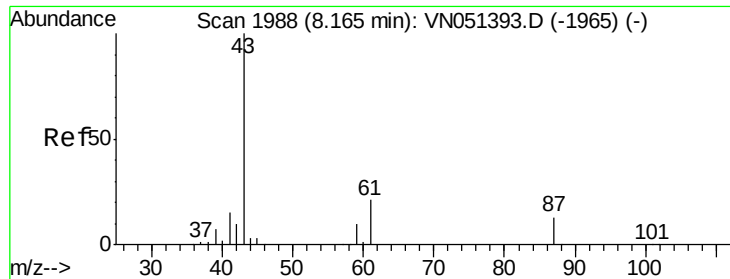
MMDadoda
9/28/2018 5:08:27 PM



#42
1,2-Dichloroethane
Concen: 54.298 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	62	Resp	419196
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 60.251 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

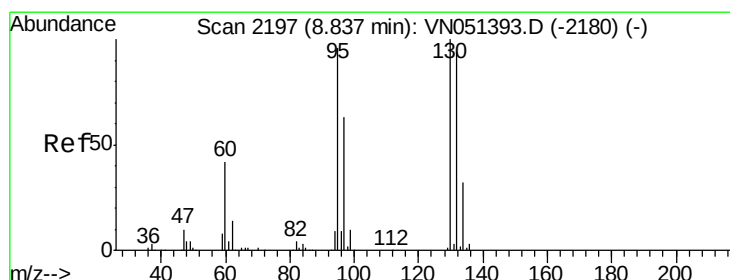
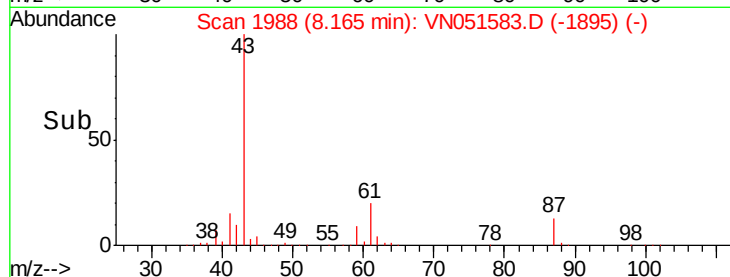
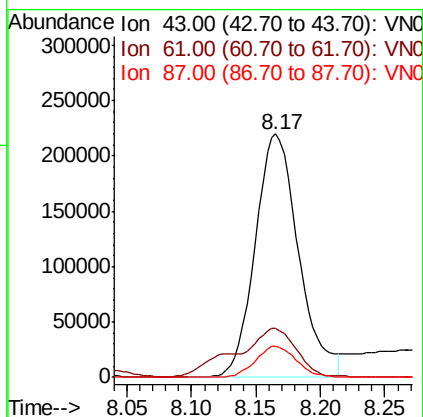
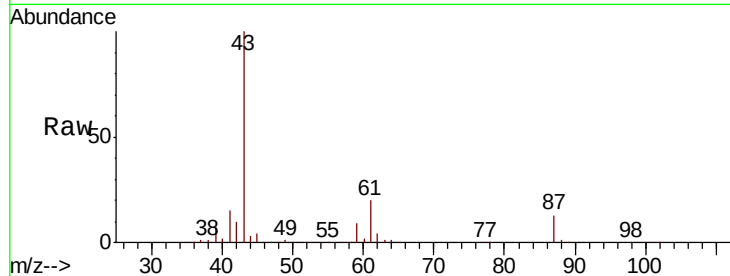
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	514384
Ion	Ratio	Lower	Upper
43	100		
61	19.2	16.8	25.2
87	12.1	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 51.617 ug/l

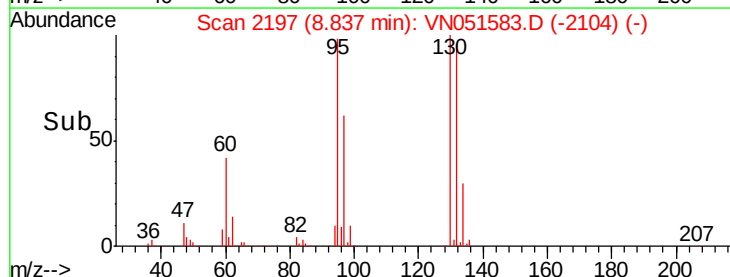
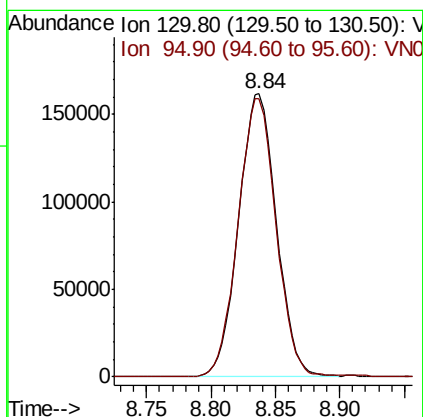
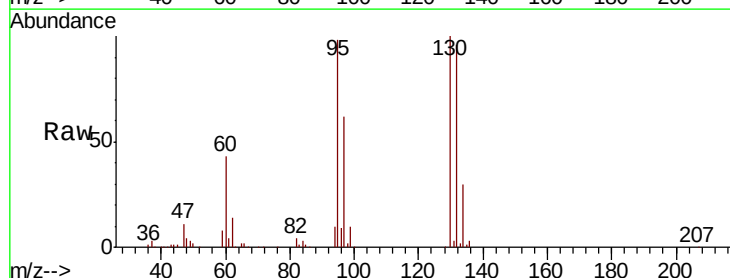
RT: 8.84 min Scan# 2197

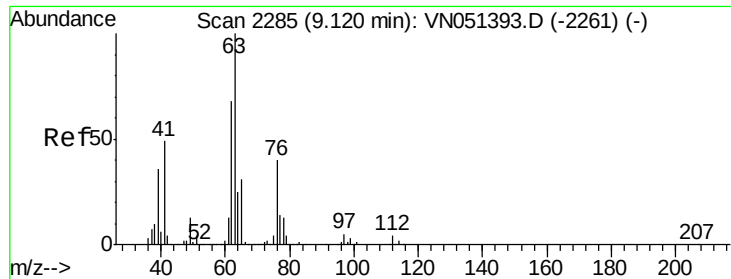
Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Tgt Ion:	130	Resp:	330557
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	192.2





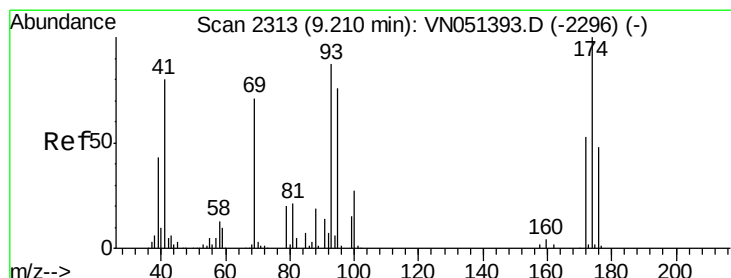
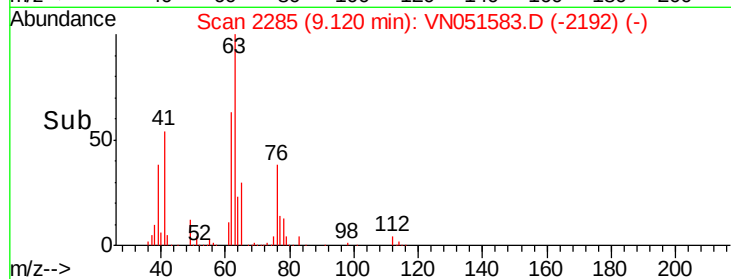
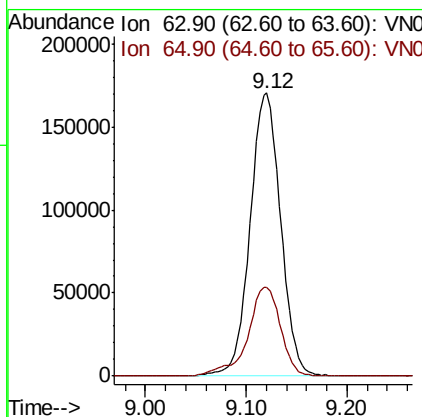
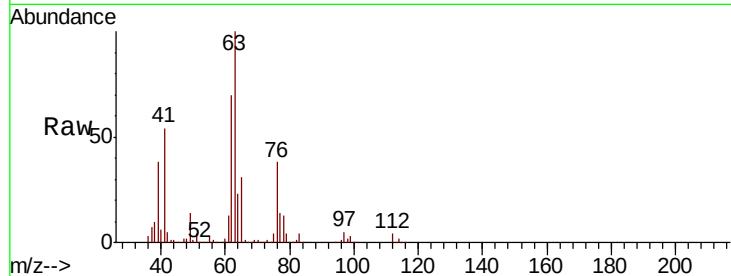
#45
 1,2-Dichloropropane
 Concen: 54.481 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3

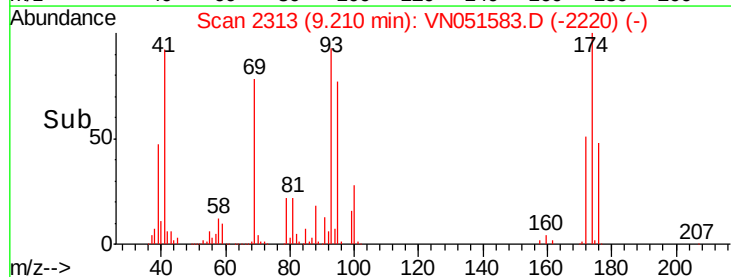
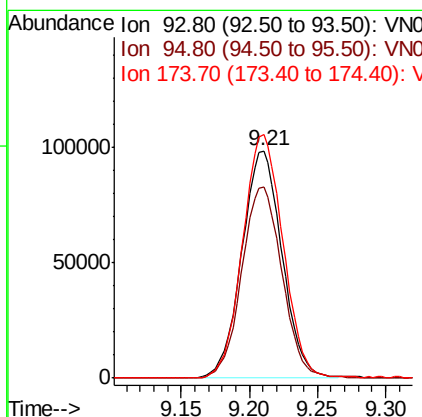
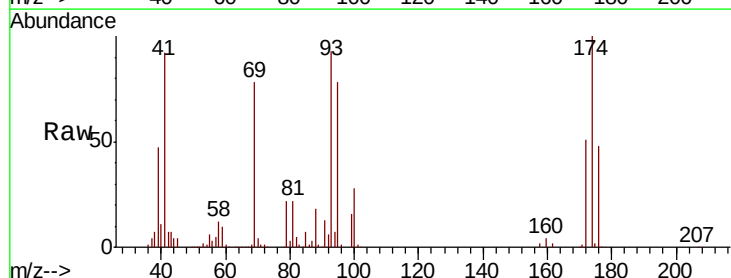
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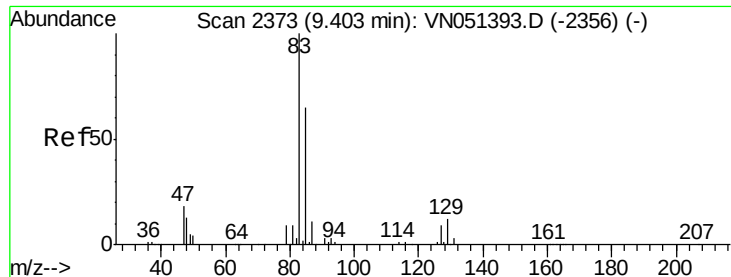
MMDadoda
 9/28/2018 5:08:27 PM



#46
 Dibromomethane
 Concen: 54.448 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.6	101.4
174	107.4	89.6	134.4





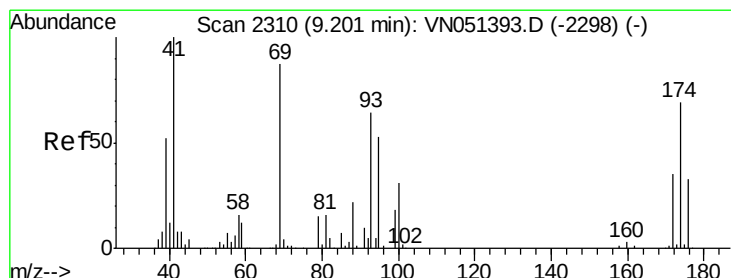
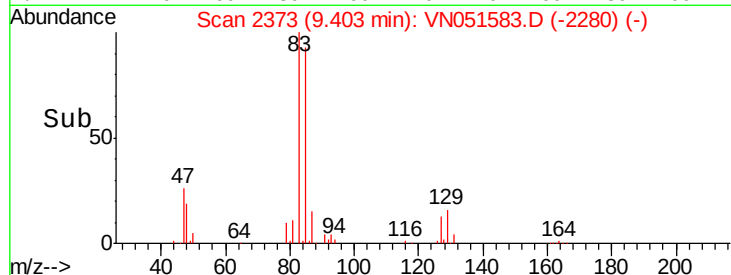
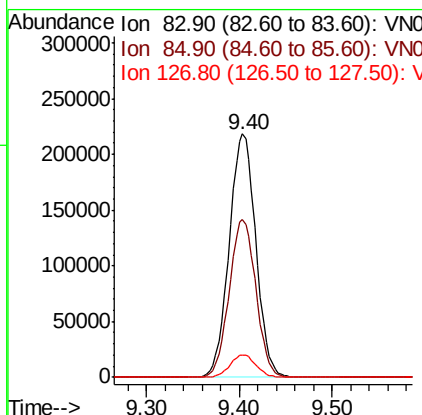
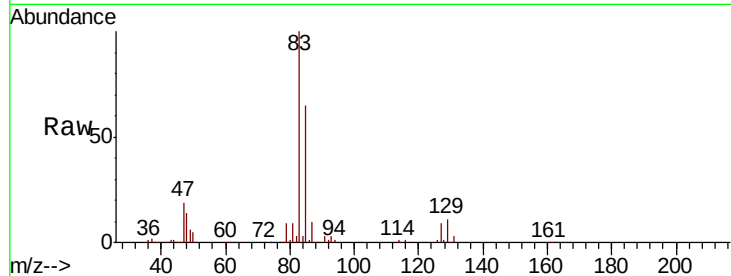
#47
Bromodichloromethane
Concen: 52.972 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	434107
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.8	77.6
127	9.3	7.4	11.2

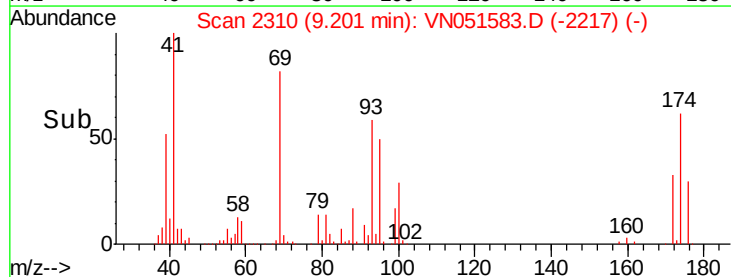
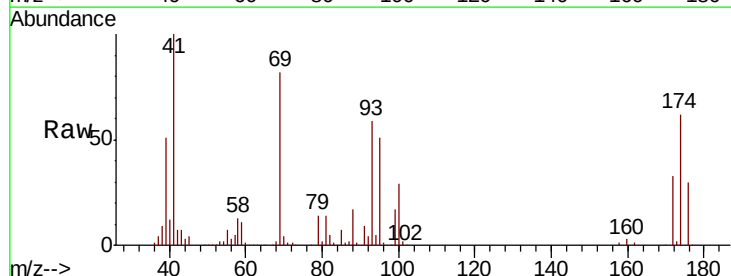
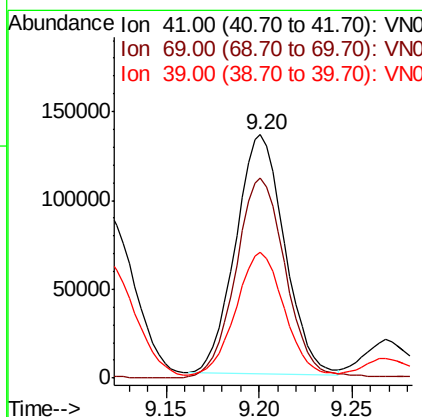
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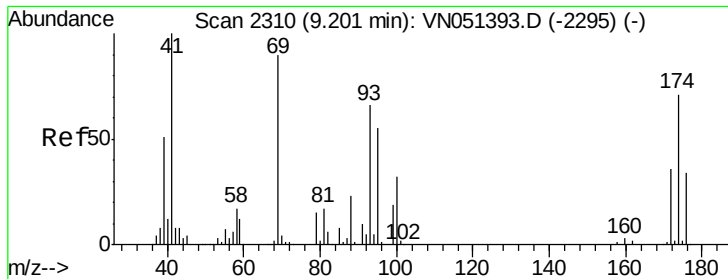
MMDadoda
9/28/2018 5:08:27 PM



#48
Methyl methacrylate
Concen: 58.113 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	41	Resp	247352
Ion Ratio	100	Lower	Upper
41	100		
69	85.4	70.4	105.6
39	53.0	43.8	65.8





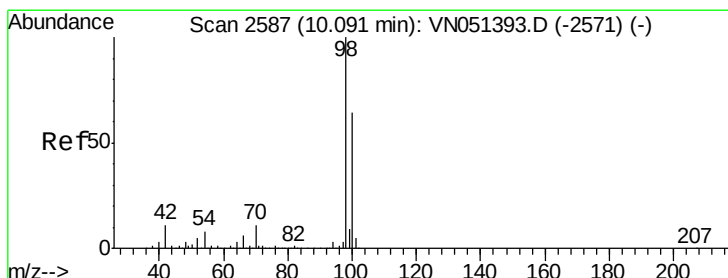
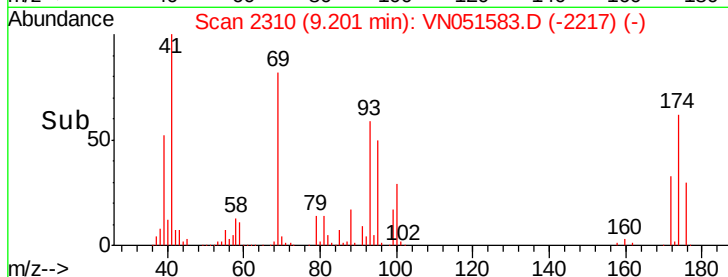
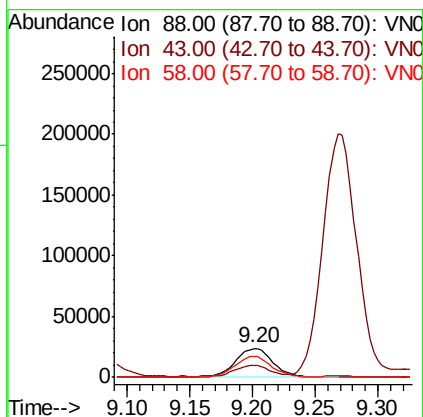
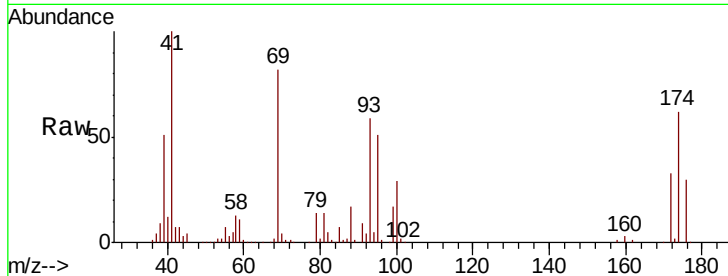
#49
1,4-Dioxane
Concen: 954.341 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	25.9	38.9
58	70.6	57.0	85.4

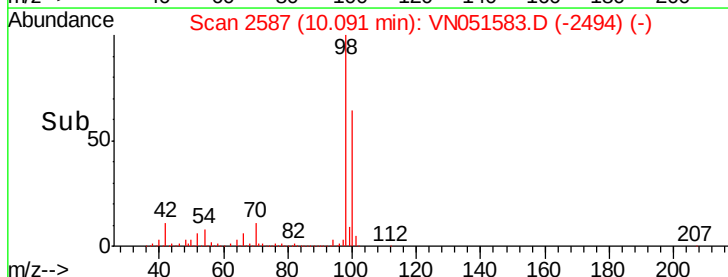
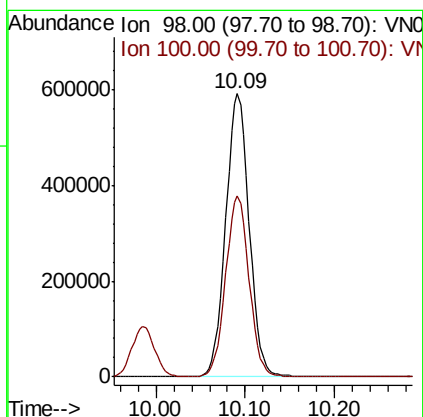
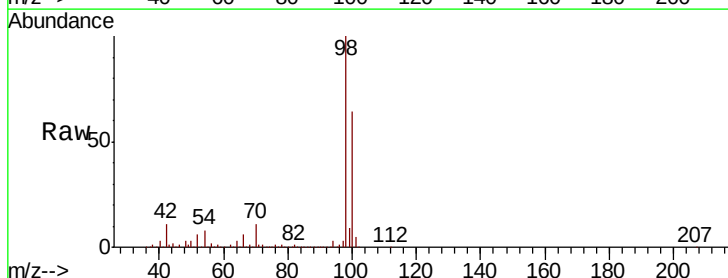
Manual Integrations
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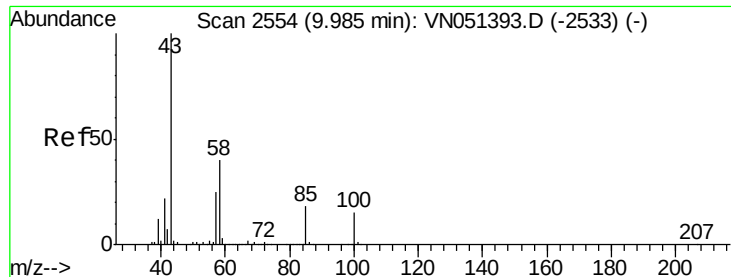
MMDadoda
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#50
Toluene-d8
Concen: 50.466 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 291.228 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1367379

Ion Ratio Lower Upper

43 100

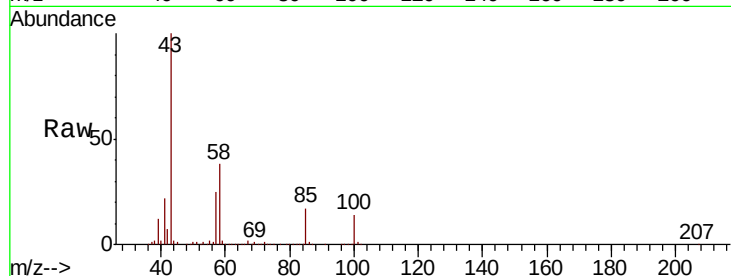
58 38.4 31.5 47.3

Manual Integrations

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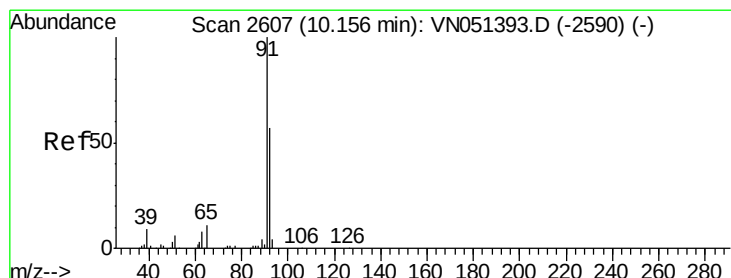
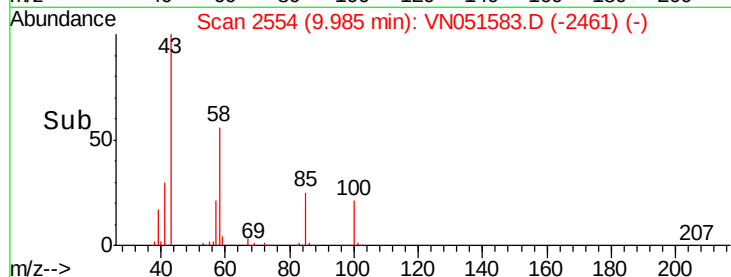
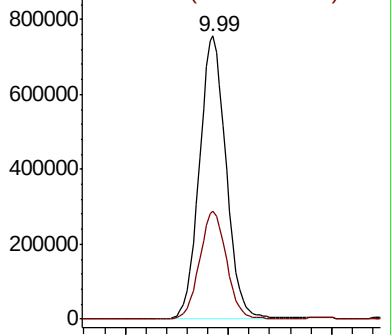
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.251 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051583.D

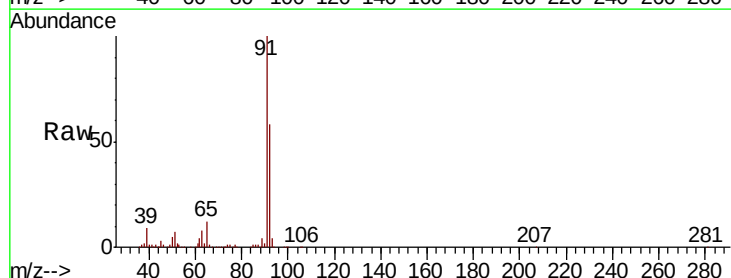
Acq: 27 Sep 2018 15:25

Tgt Ion: 92 Resp: 797905

Ion Ratio Lower Upper

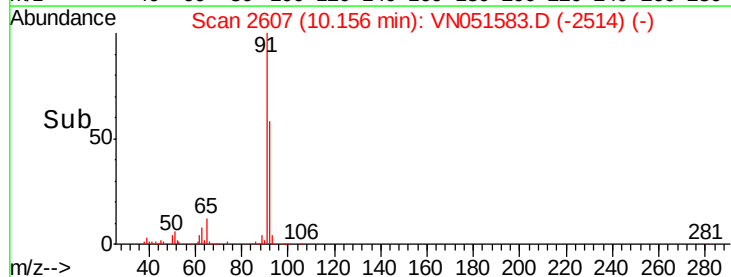
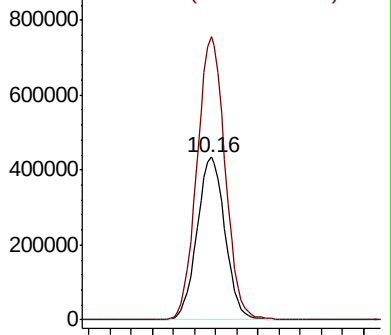
92 100

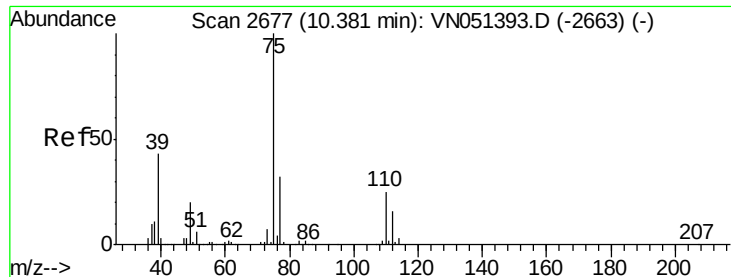
91 175.0 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





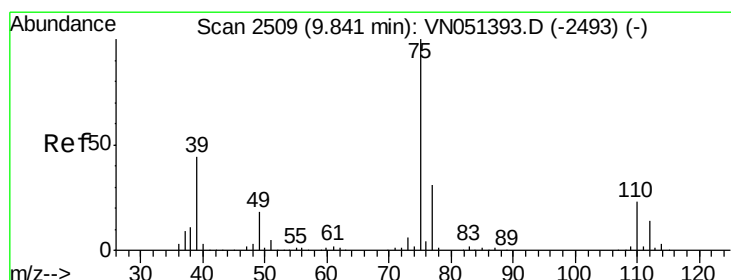
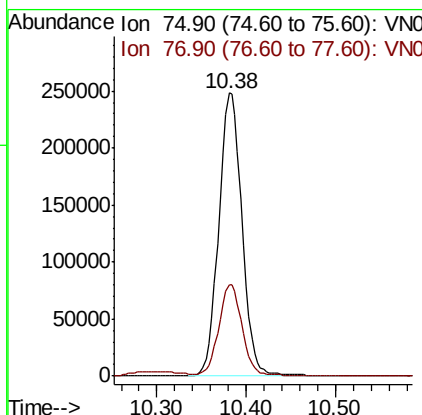
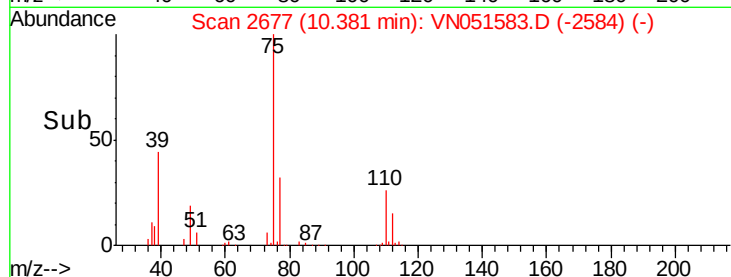
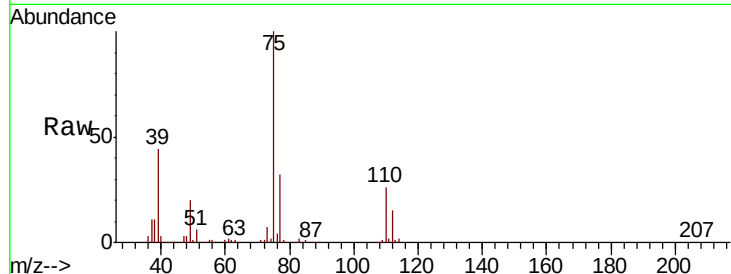
#53
t-1,3-Dichloropropene
Concen: 54.010 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 446856
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8

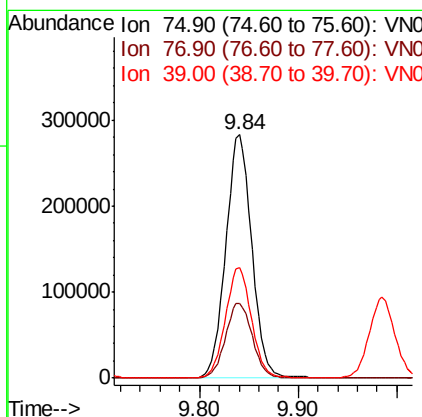
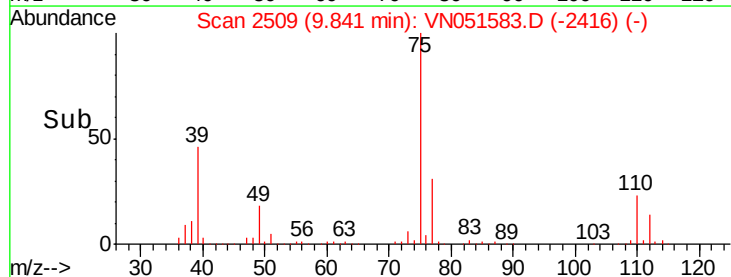
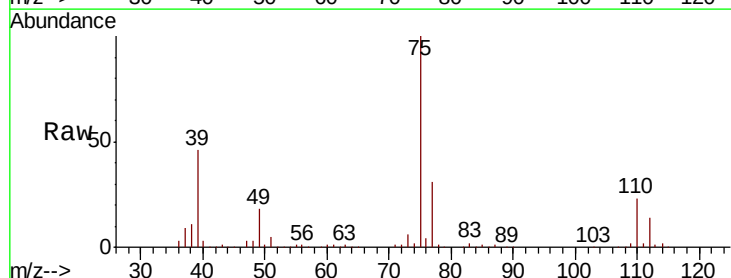
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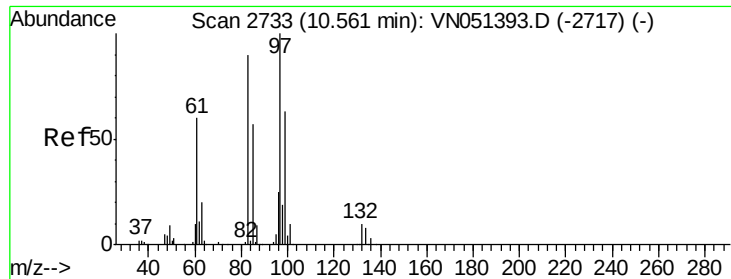
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#54
cis-1,3-Dichloropropene
Concen: 54.616 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion: 75 Resp: 524020
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8
39 45.6 35.4 53.2





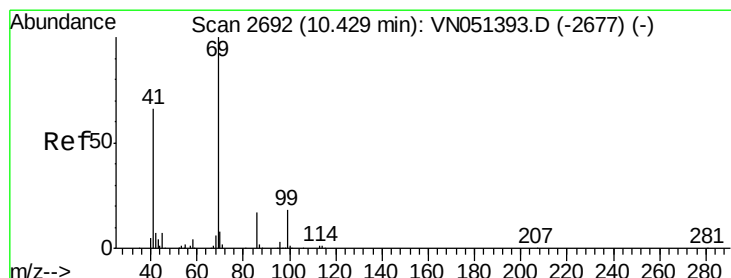
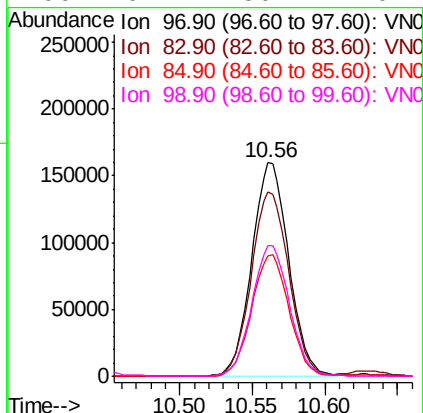
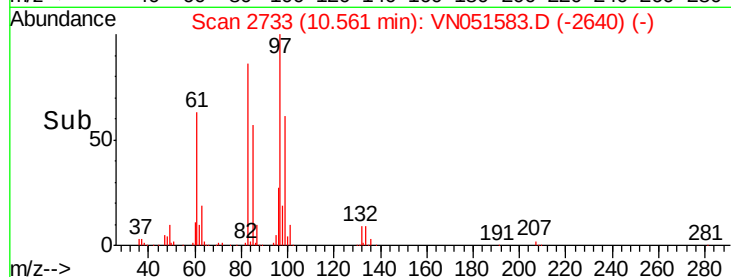
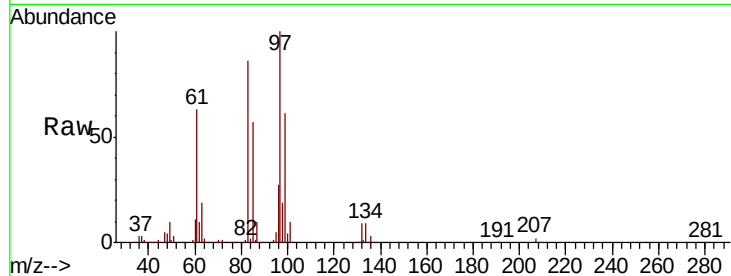
#55
 1,1,2-Trichloroethane
 Concen: 53.580 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.3	72.0	108.0	
85	56.6	45.2	67.8	
99	61.1	50.7	76.1	

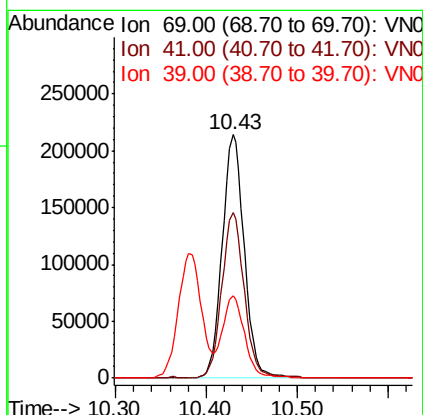
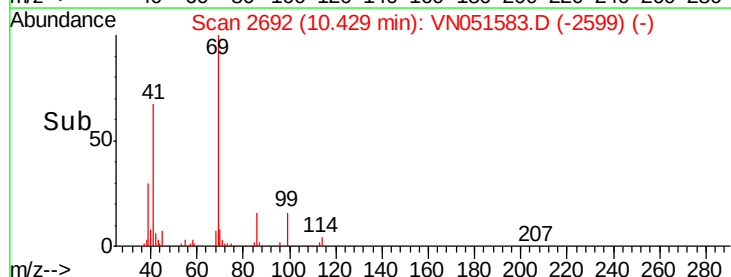
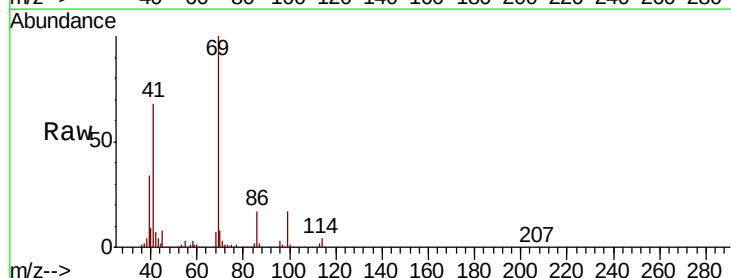
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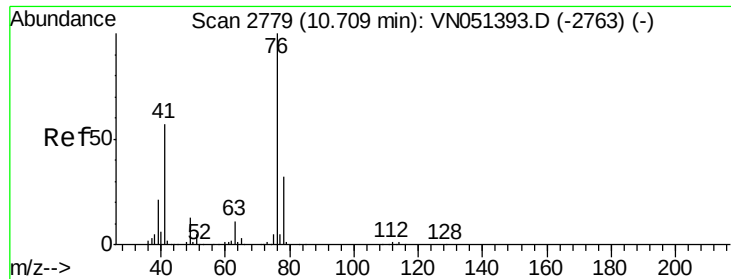
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 55.655 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.7	52.4	78.6	
39	34.1	26.3	39.5	





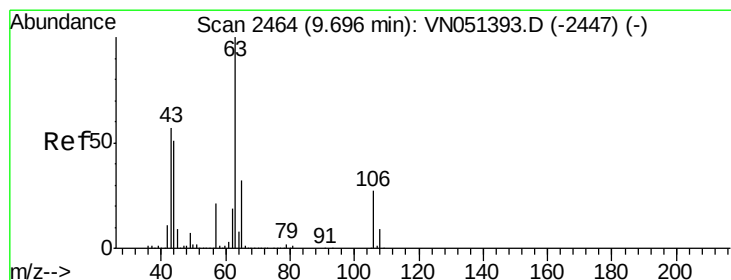
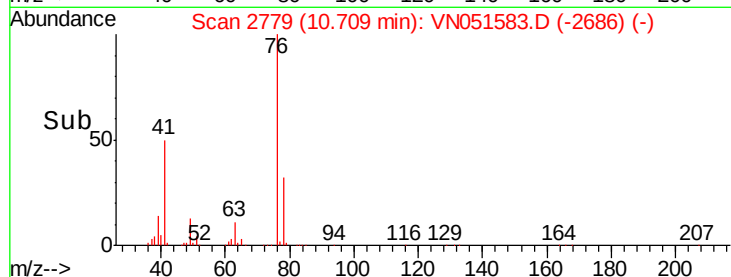
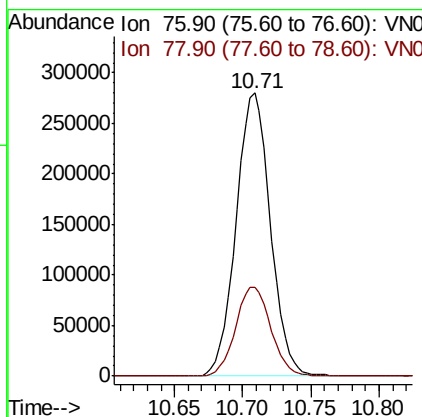
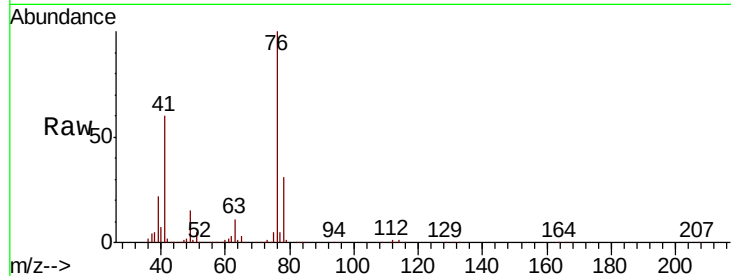
#57
 1,3-Dichloropropane
 Concen: 53.922 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

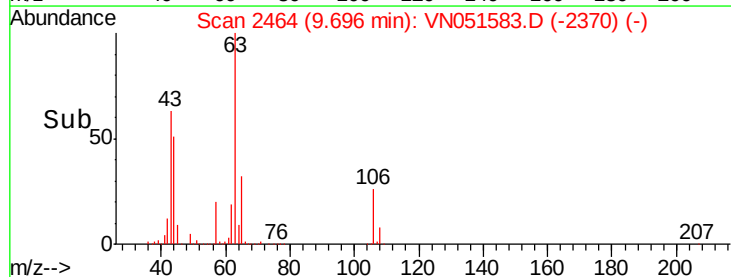
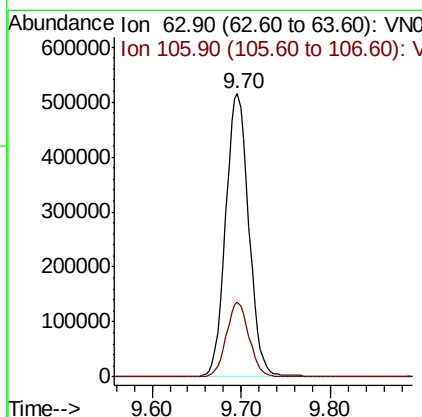
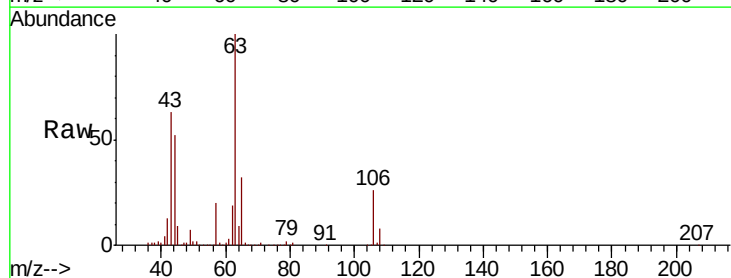
Manual Integrations
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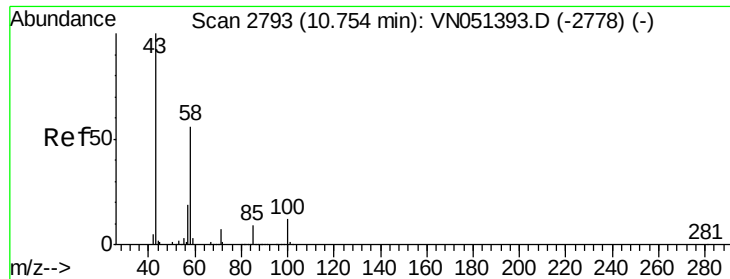
MMDadoda
 9/28/2018 5:08:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.621 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.4	32.2





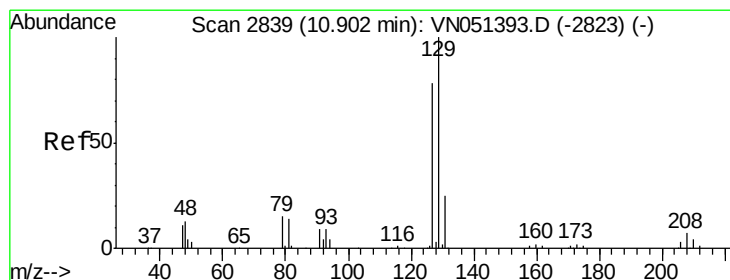
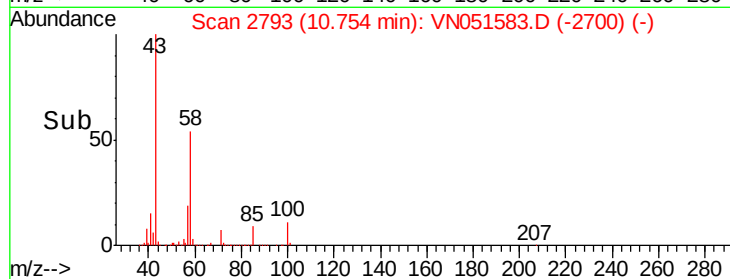
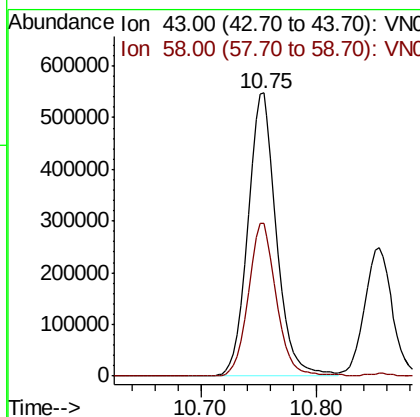
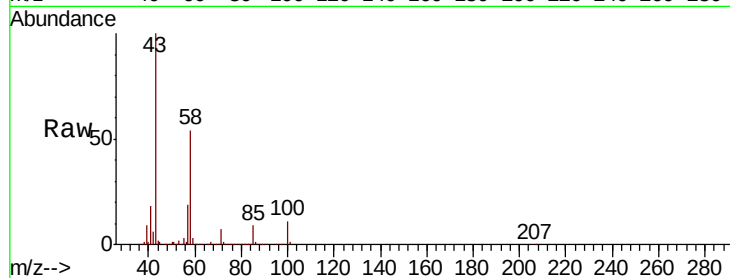
#59
2-Hexanone
Concen: 307.921 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 937229
Ion Ratio Lower Upper
43 100
58 53.5 27.7 83.0

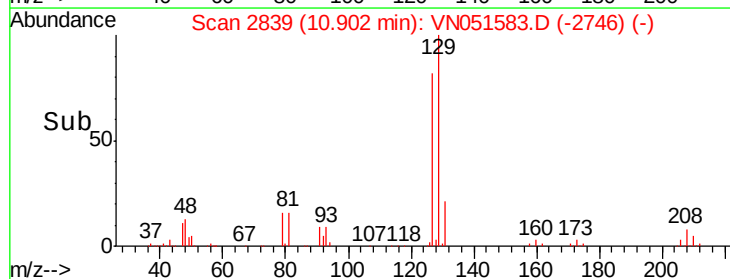
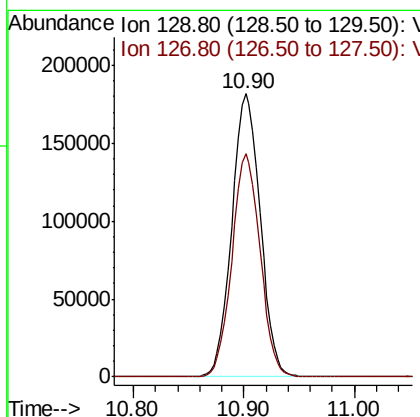
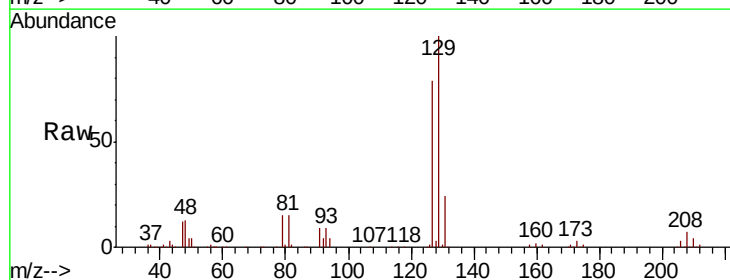
Manual Integrations
APPROVED

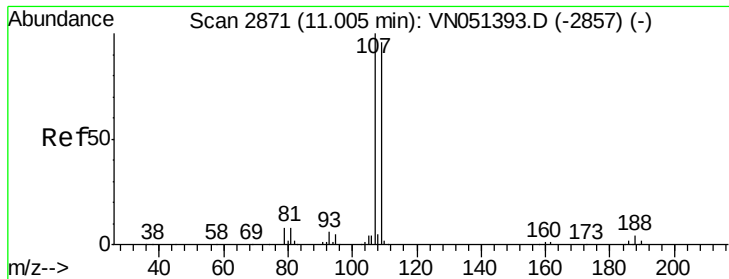
MMDadoda
9/28/2018 5:08:27 PM



#60
Dibromochloromethane
Concen: 52.197 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion: 129 Resp: 326128
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





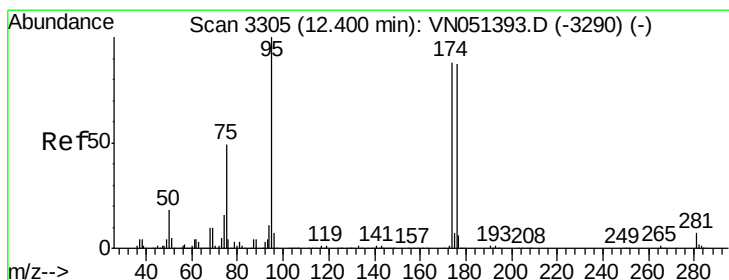
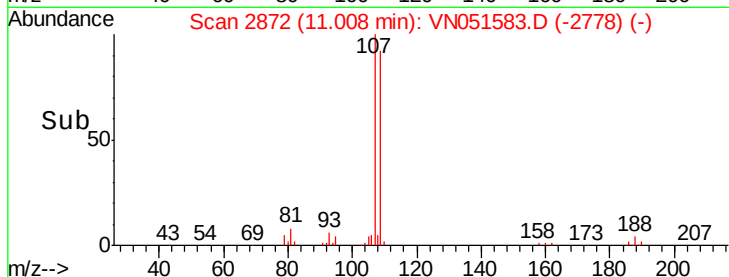
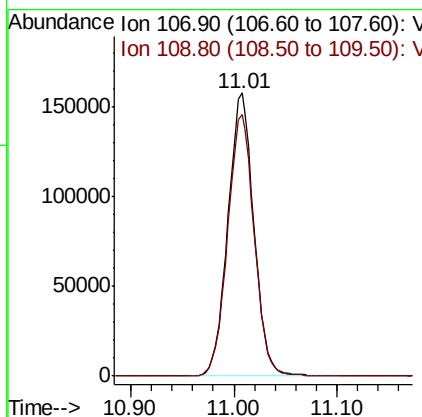
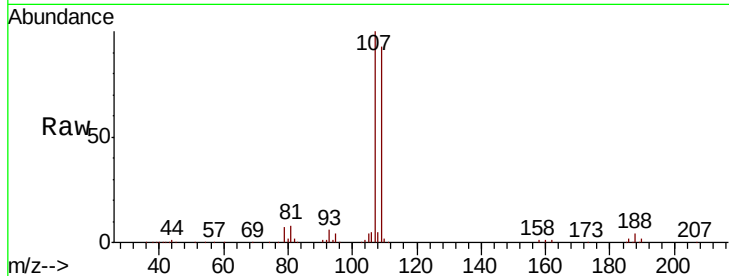
#61
 1,2-Dibromoethane
 Concen: 54.012 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.3	114.5

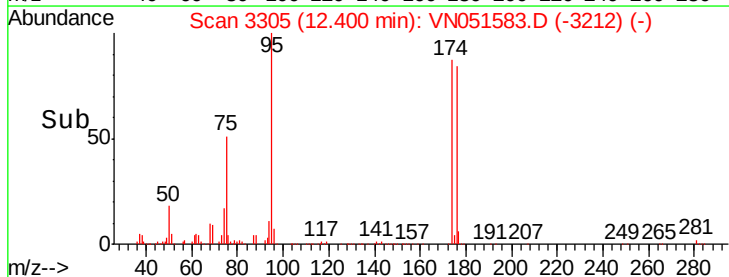
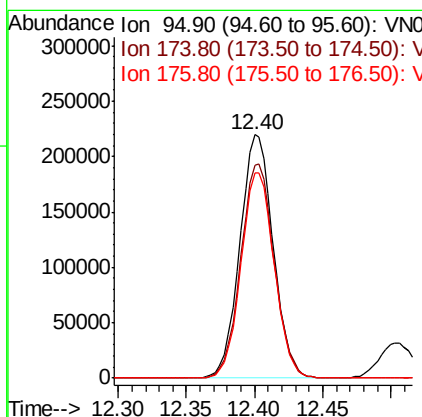
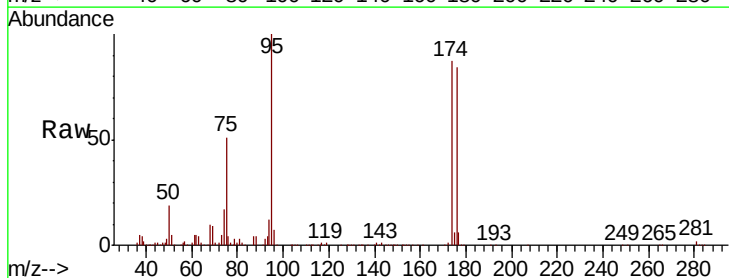
Manual Integrations
 APPROVED

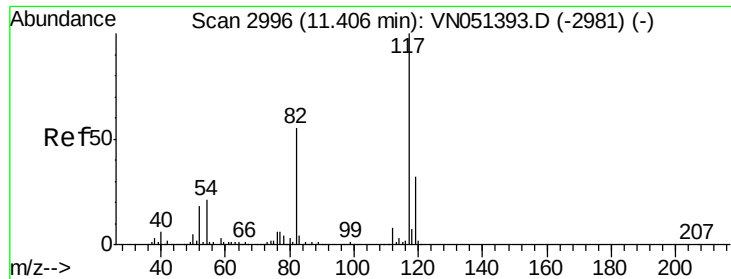
MMDadoda
 9/28/2018 5:08:27 PM



#62
 4-Bromofluorobenzene
 Concen: 53.757 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	181.6
176	84.4	0.0	176.4





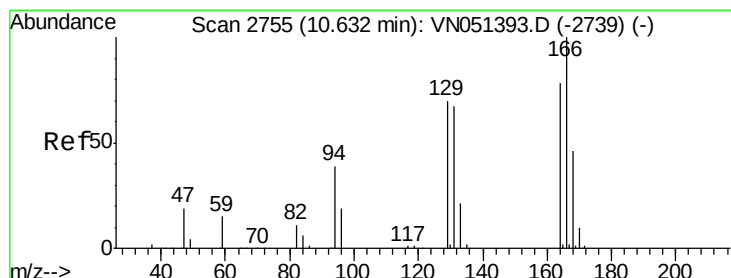
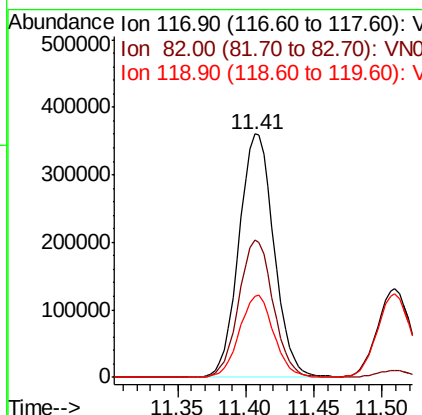
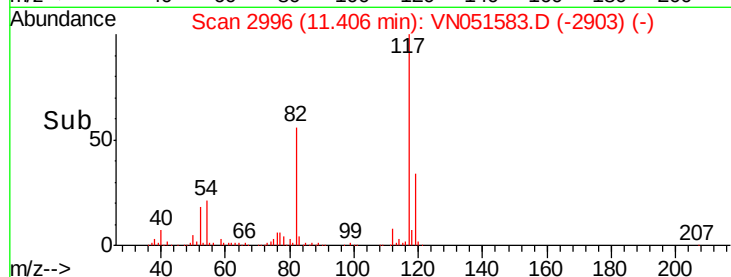
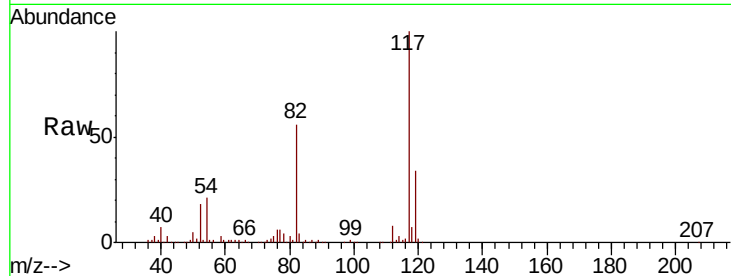
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.2	66.2
119	33.5	25.9	38.9

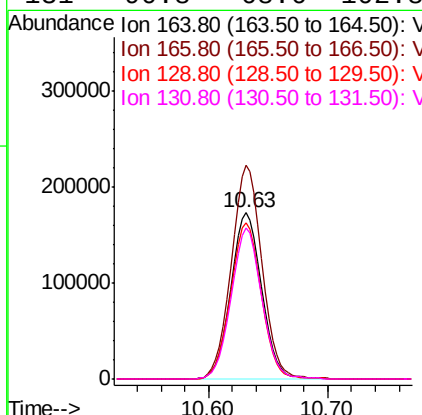
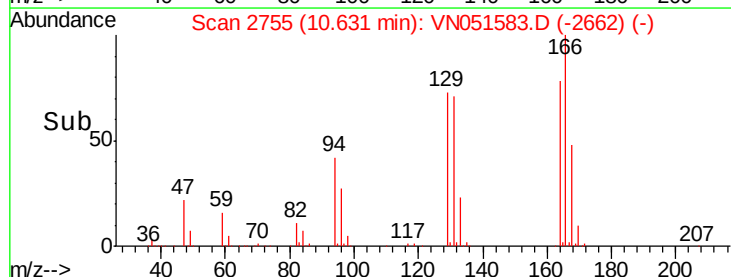
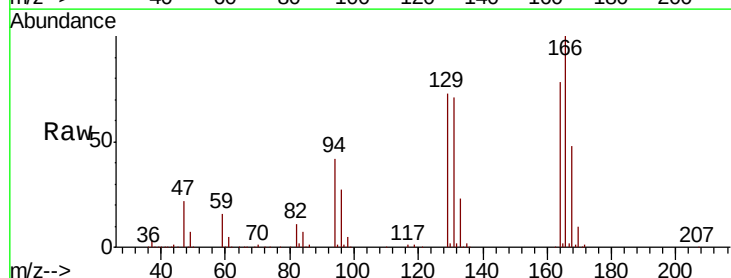
Manual Integrations
APPROVED

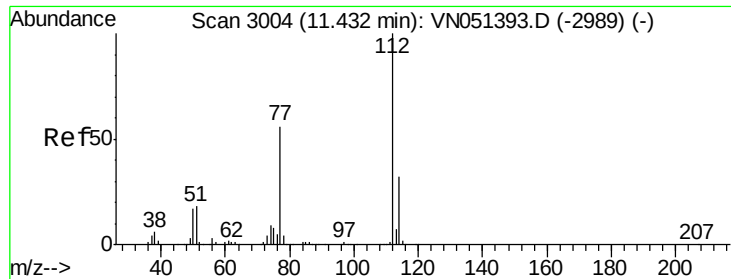
MMDadoda
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#64
Tetrachloroethene
Concen: 53.338 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.3	153.5
129	93.9	71.8	107.8
131	90.8	68.6	102.8





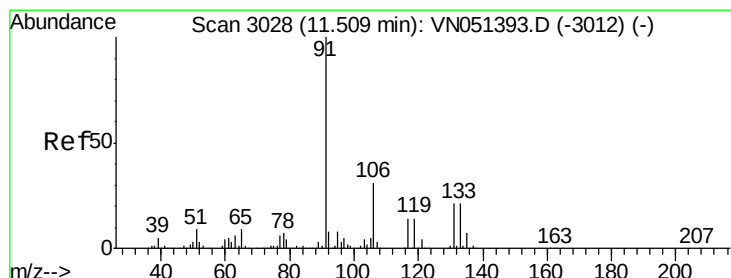
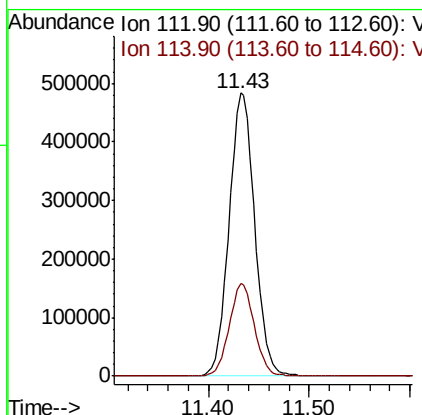
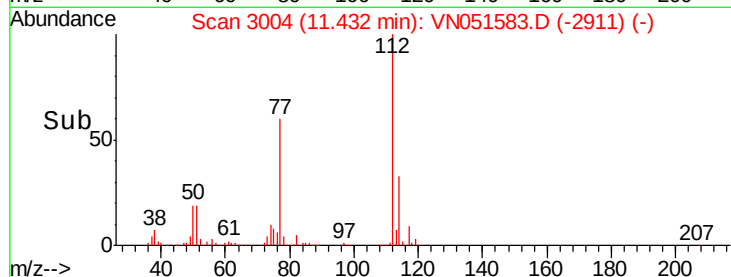
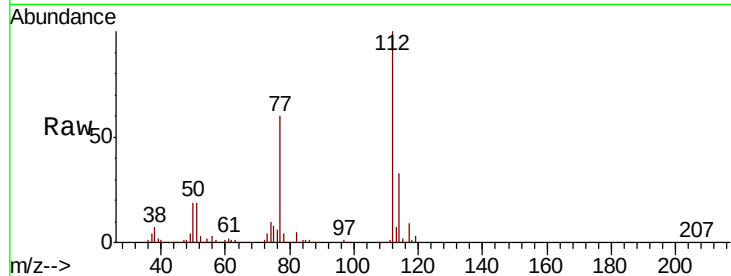
#65
Chlorobenzene
Concen: 51.971 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.2

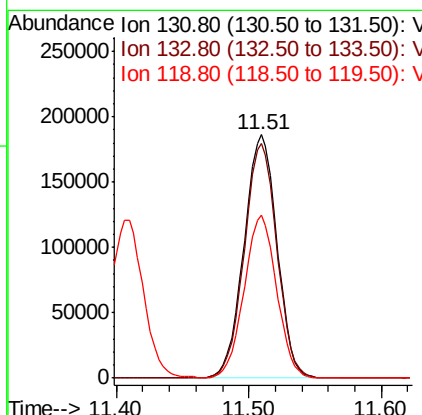
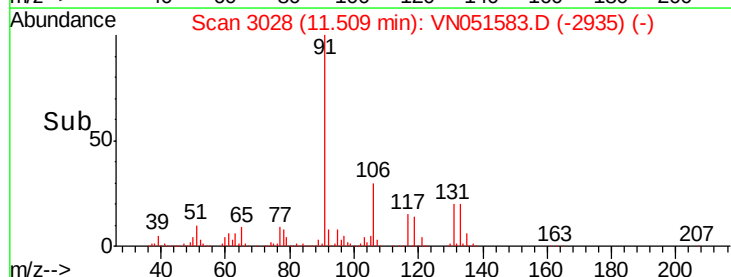
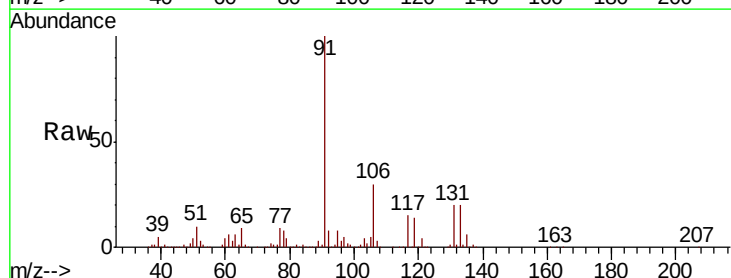
Manual Integrations
APPROVED

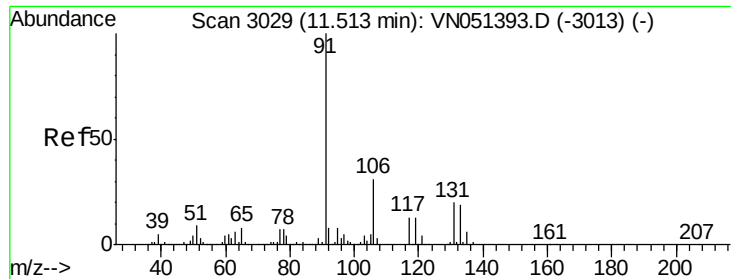
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.235 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.3	144.8
119	66.1	32.8	98.4





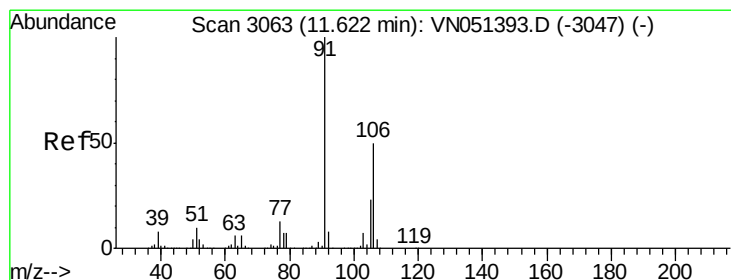
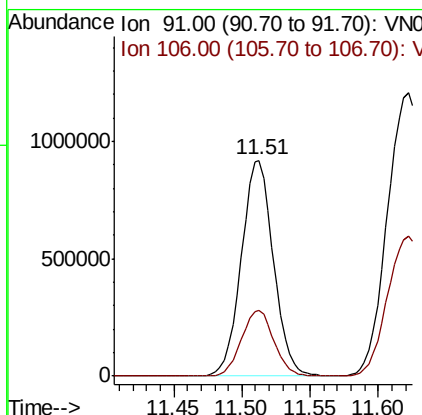
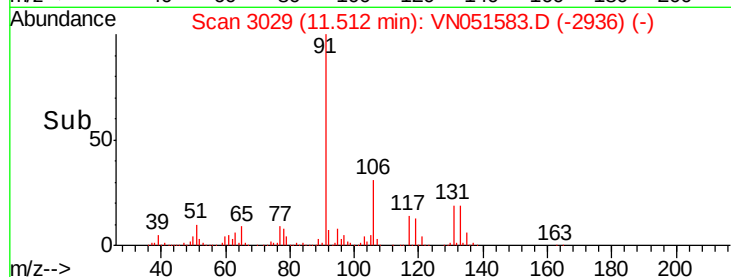
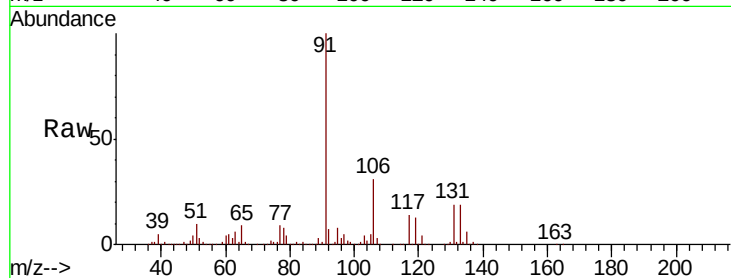
#67
Ethyl Benzene
Concen: 54.031 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1501409
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

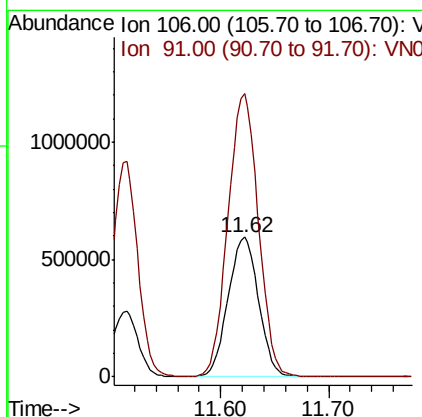
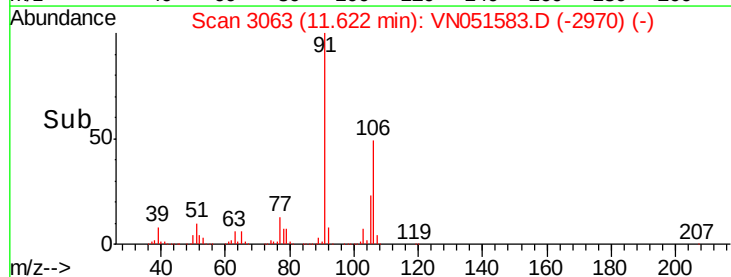
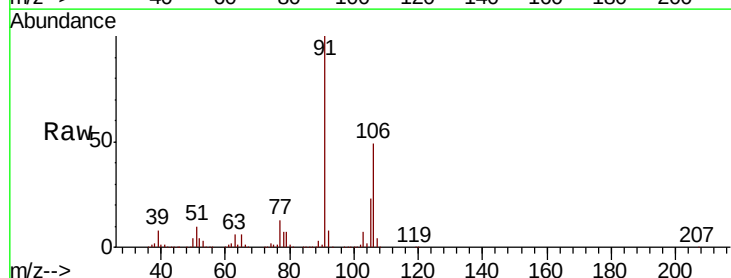
Manual Integrations
APPROVED

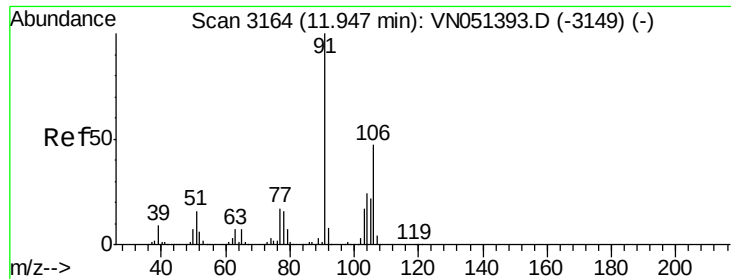
MMDadoda
9/28/2018 5:08:27 PM



#68
m/p-Xylenes
Concen: 108.716 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion: 106 Resp: 1168532
Ion Ratio Lower Upper
106 100
91 202.6 161.3 241.9





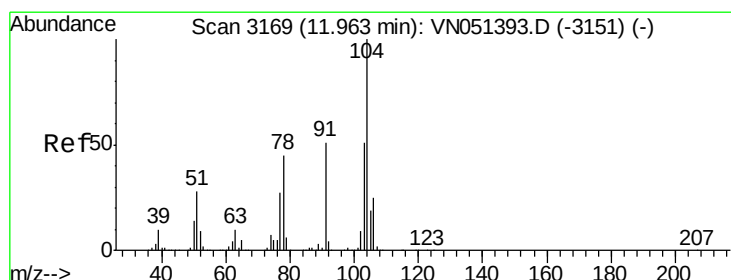
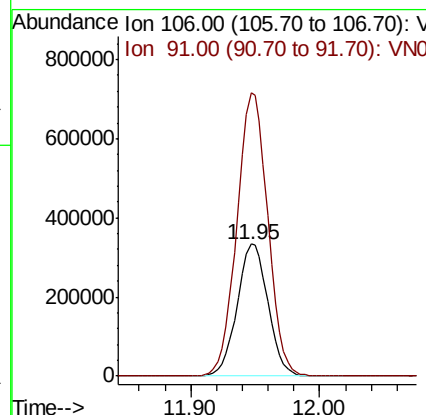
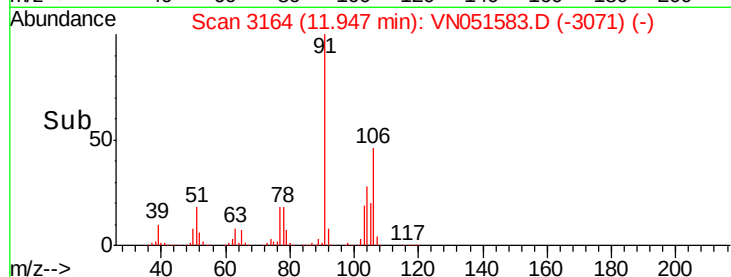
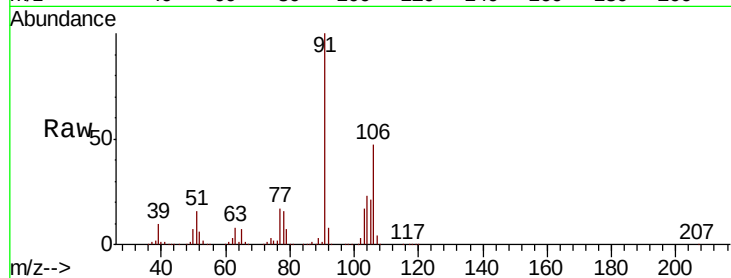
#69
o-Xylene
Concen: 53.558 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.1	105.3	315.9

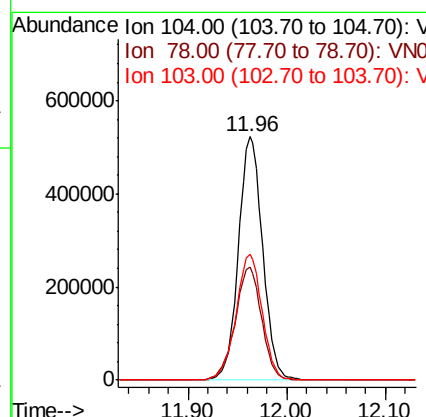
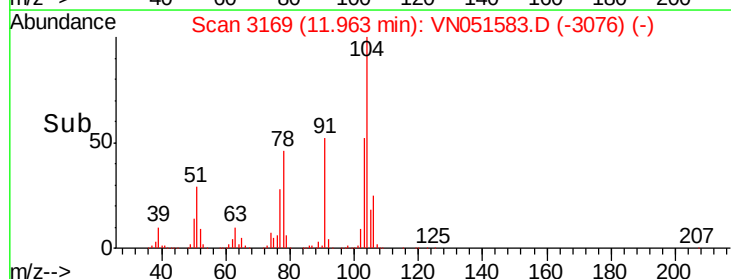
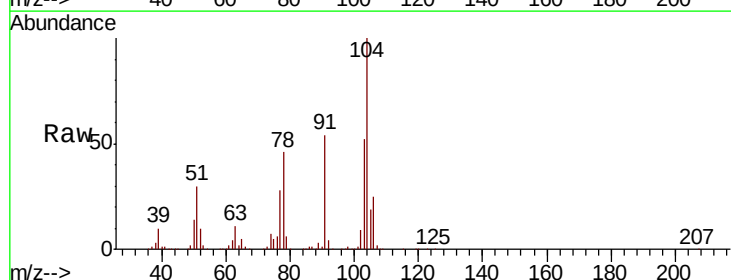
Manual Integrations
APPROVED

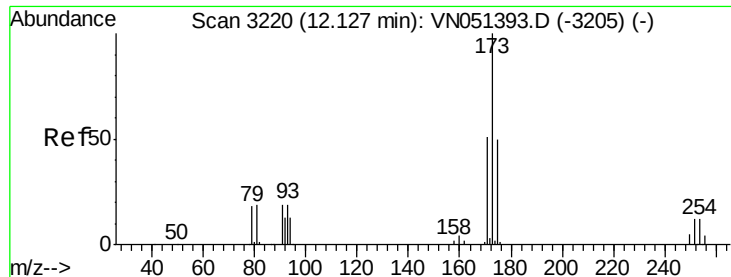
MMDadoda
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#70
Styrene
Concen: 54.368 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.9	59.9
103	56.0	44.6	66.8





#71

Bromoform

Concen: 52.711 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

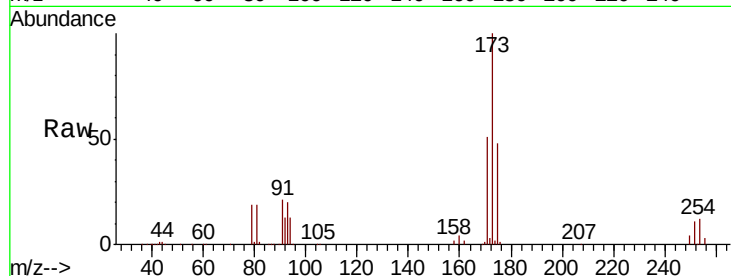
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.8	74.3
254	0.1	0.2	0.2

Manual Integrations
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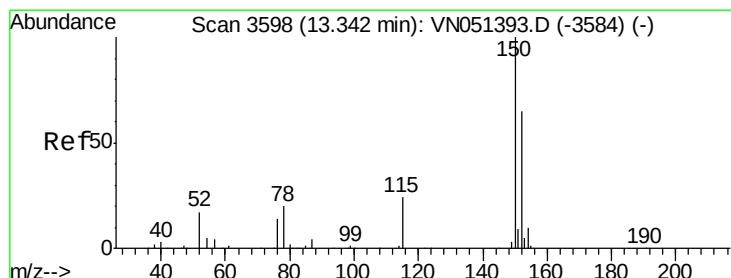
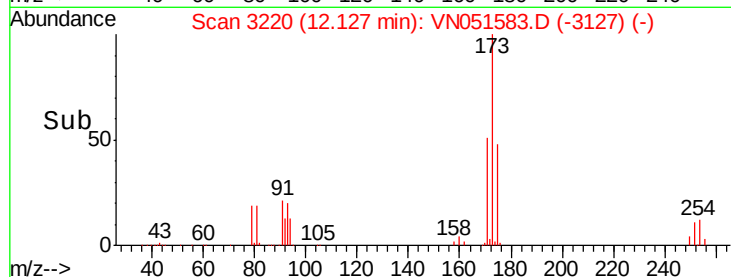
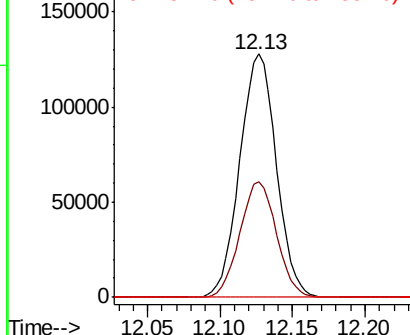


Abundance

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: VN051583.D

Acq: 27 Sep 2018 15:25

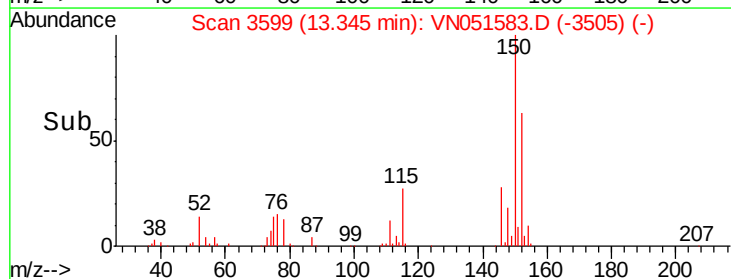
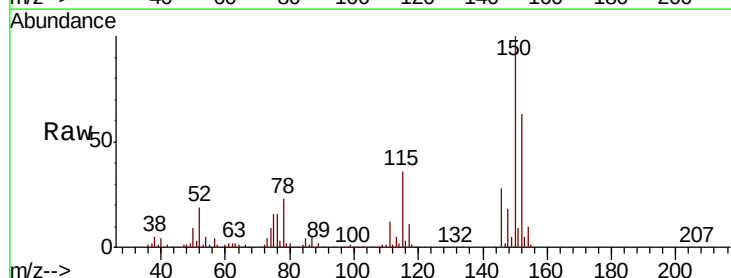
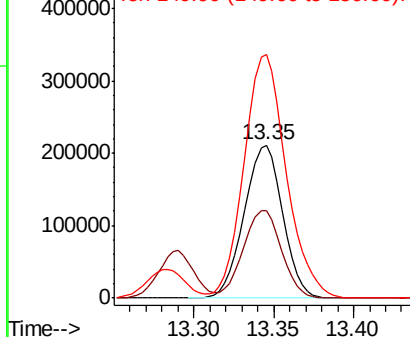
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.3	84.9
150	175.6	0.0	353.6

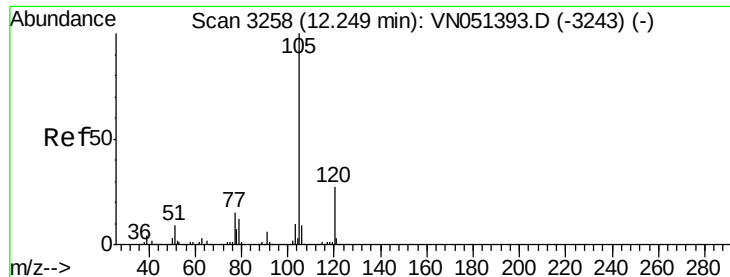
Abundance

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: 51.070 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1484960

Ion Ratio Lower Upper

105 100

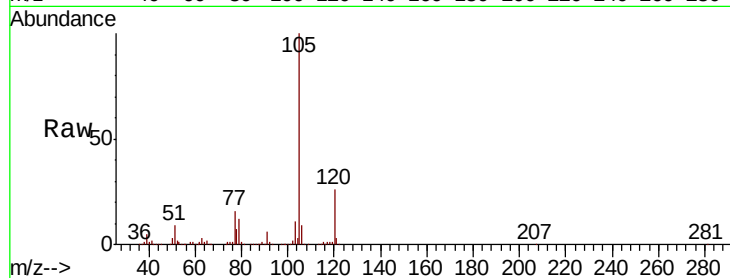
120 26.5 13.3 39.8

Manual Integrations

APPROVED

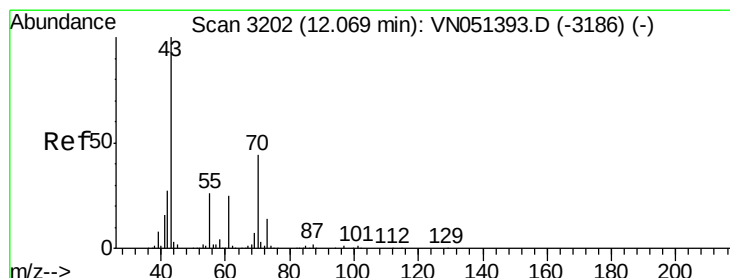
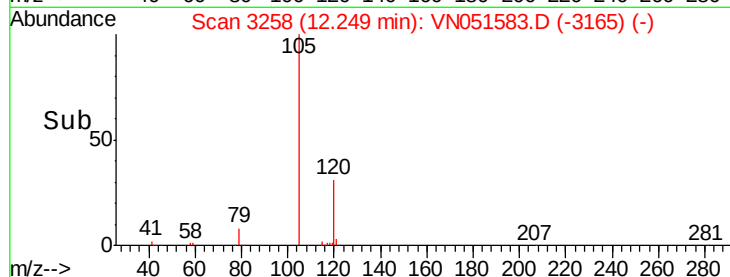
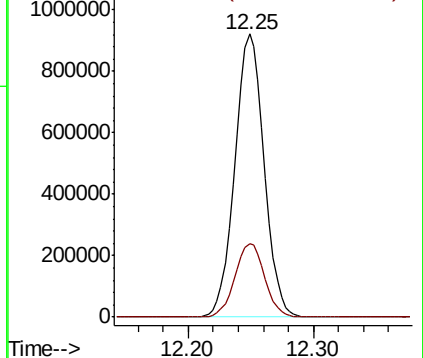
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.524 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Tgt Ion: 43 Resp: 412374

Ion Ratio Lower Upper

43 100

70 41.6 35.0 52.4

55 26.1 21.4 32.2

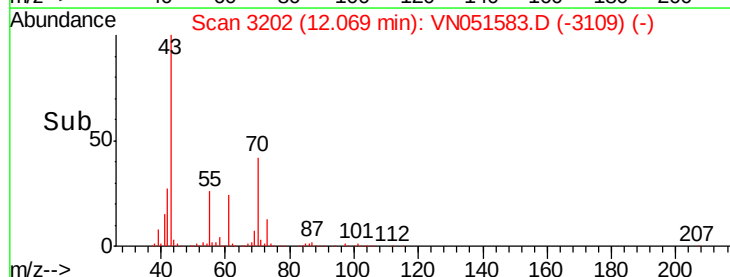
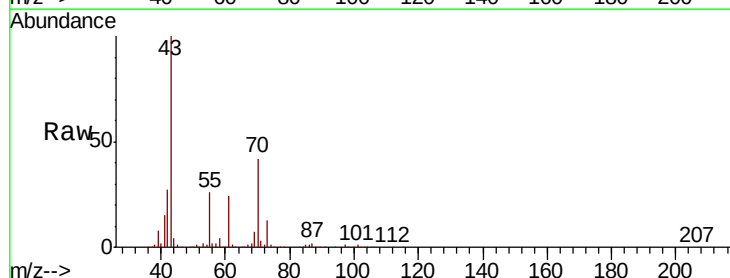
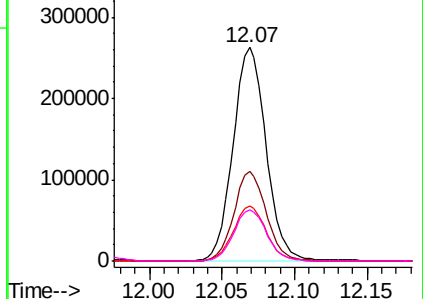
61 24.1 19.8 29.6

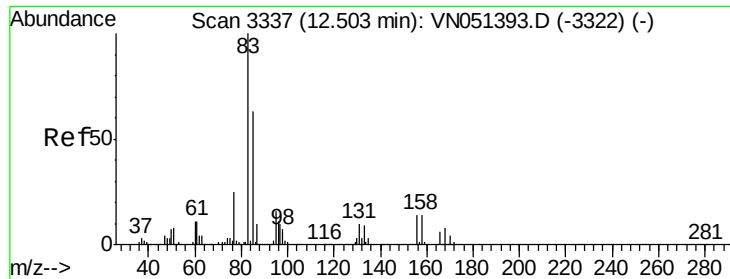
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.491 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

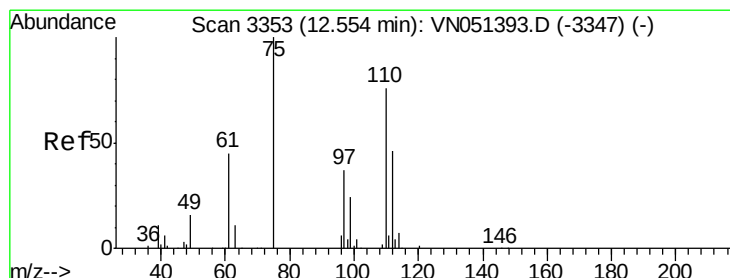
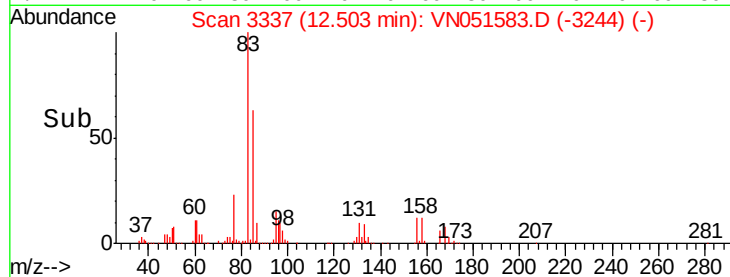
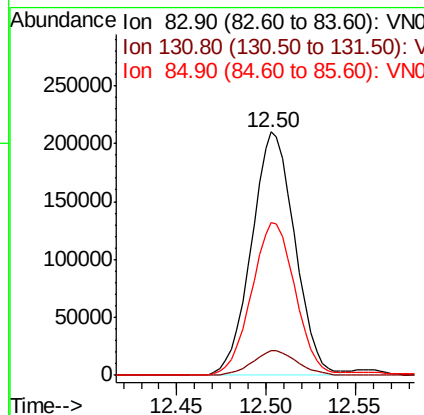
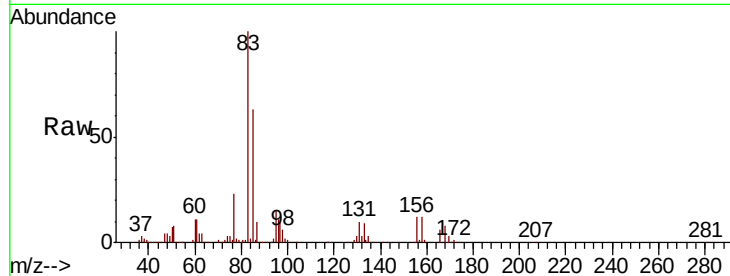
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	355919
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	63.3	31.6	95.0

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#76

1,2,3-Trichloropropane

Concen: 55.669 ug/l m

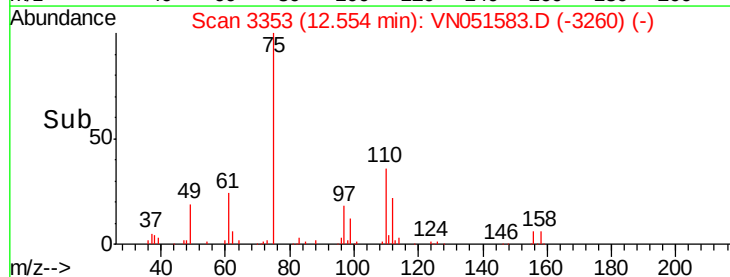
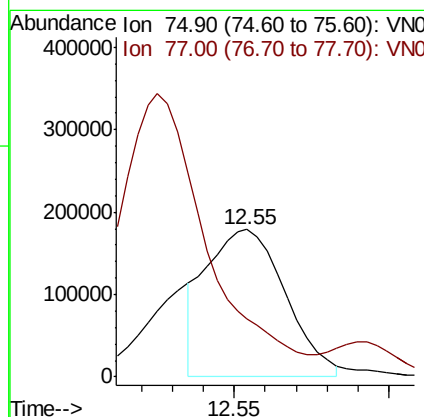
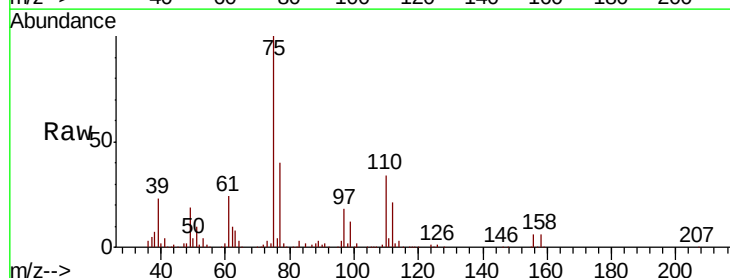
RT: 12.55 min Scan# 3353

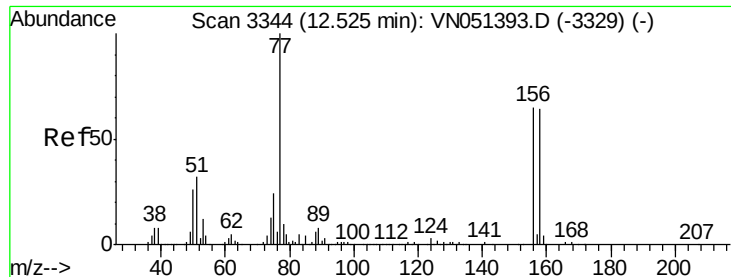
Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Tgt Ion:	75	Resp:	318480
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.044 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

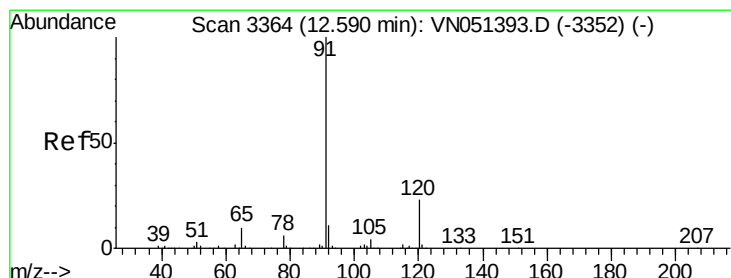
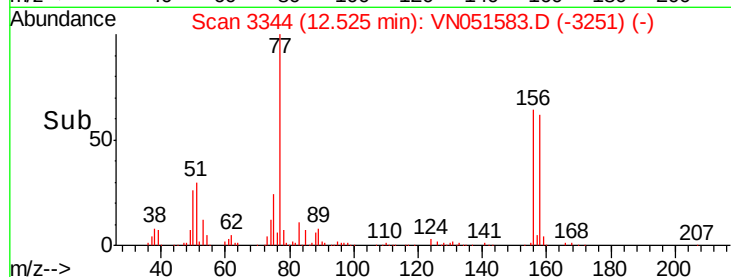
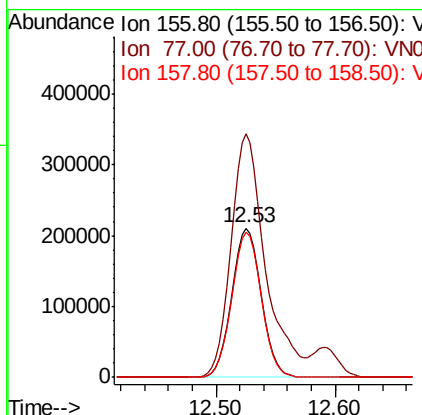
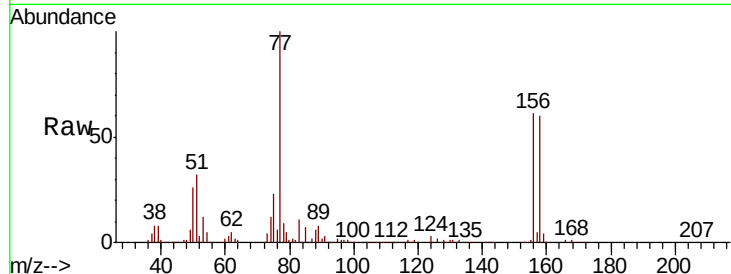
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	361004
Ion Ratio	Lower	Upper	
156	100		
77	189.5	89.5	268.4
158	97.4	49.4	148.2

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#78

n-propylbenzene

Concen: 52.820 ug/l

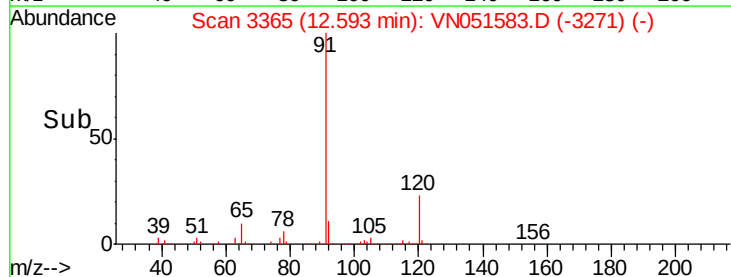
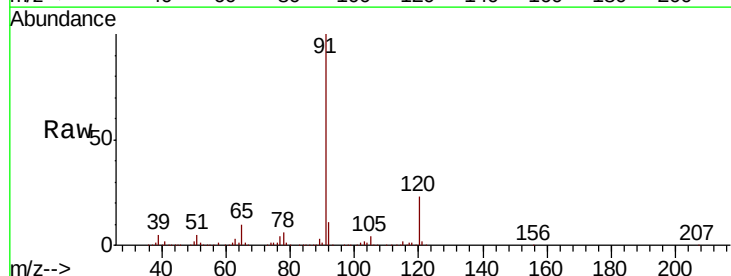
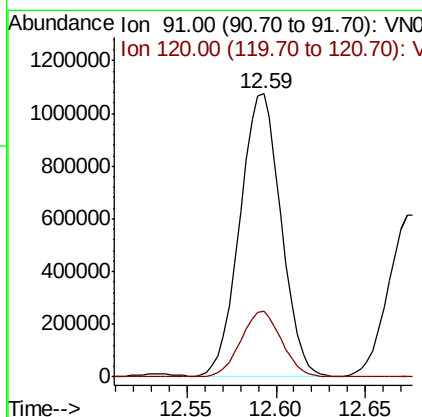
RT: 12.59 min Scan# 3365

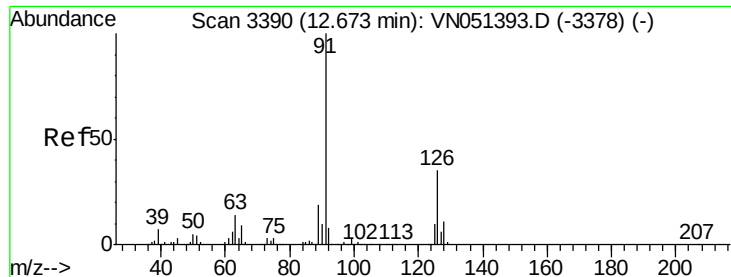
Delta R.T. 0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Tgt Ion:	91	Resp:	1730958
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.905 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1018170

Ion Ratio Lower Upper

91 100

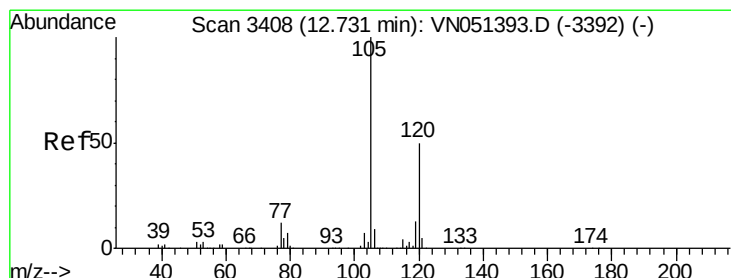
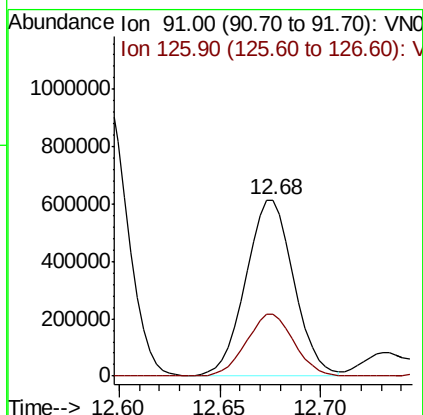
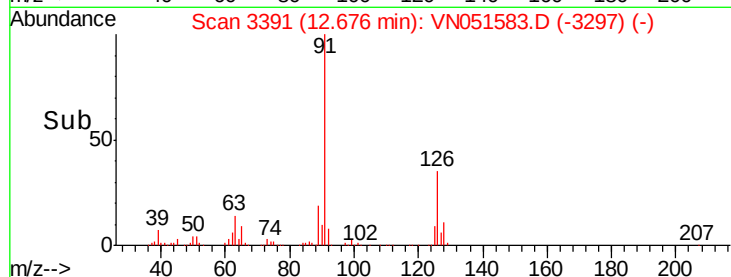
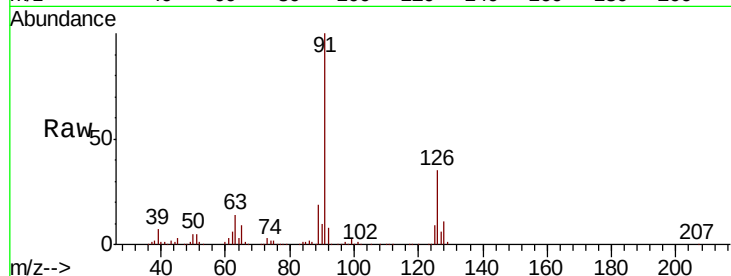
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.204 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051583.D

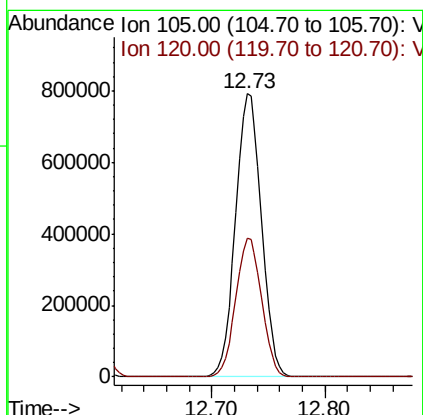
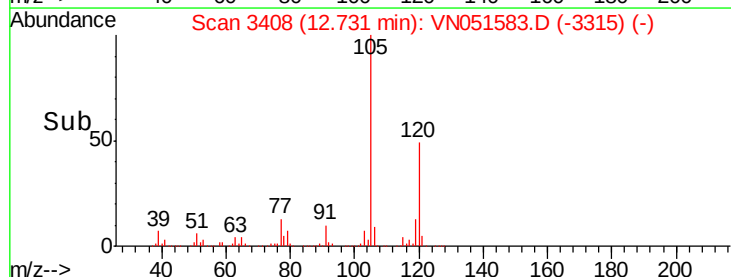
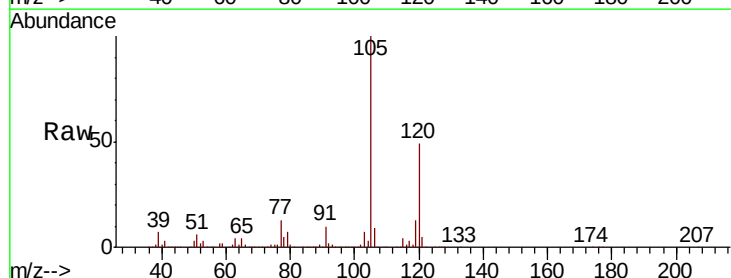
Acq: 27 Sep 2018 15:25

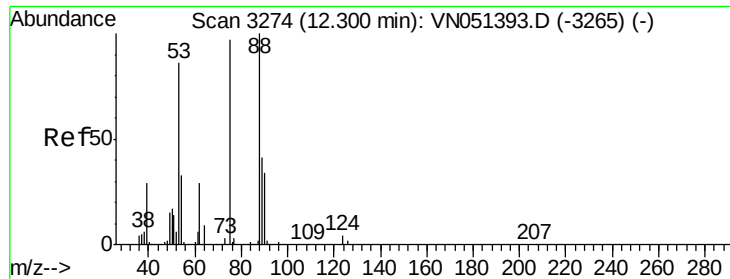
Tgt Ion: 105 Resp: 1261458

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





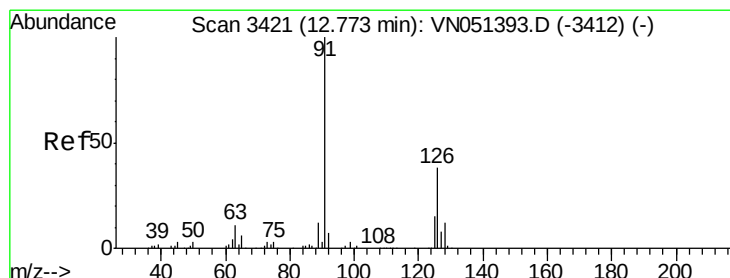
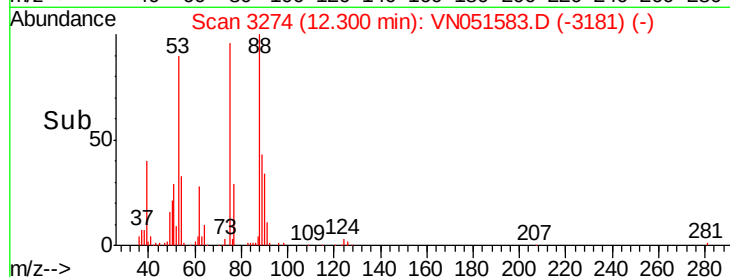
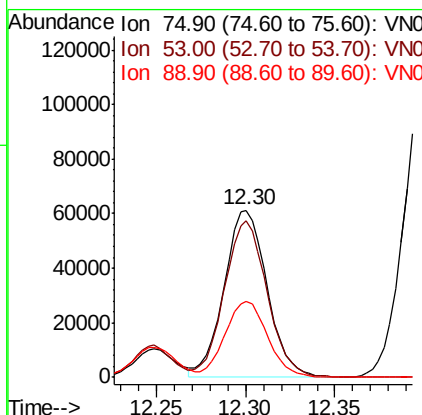
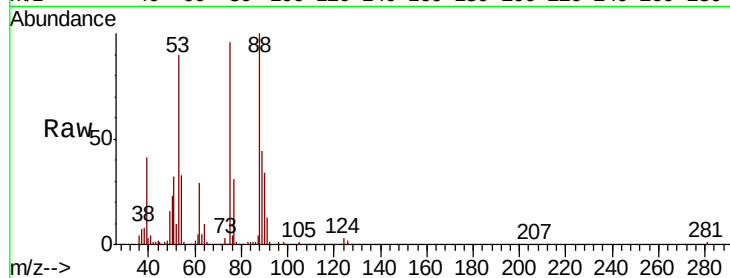
#81
trans-1,4-Dichloro-2-butene
Concen: 55.333 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.9	110.9
89	45.2	36.7	55.1

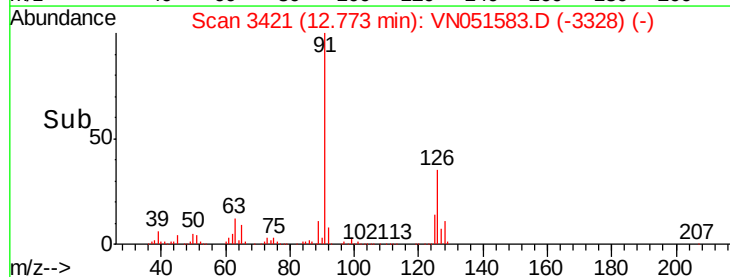
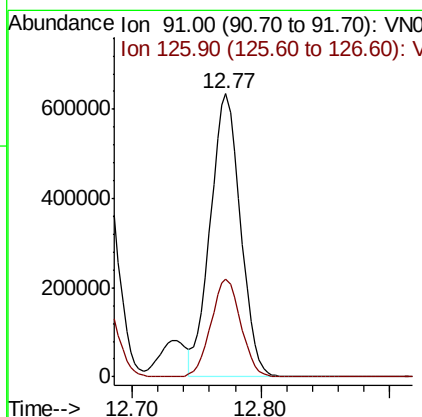
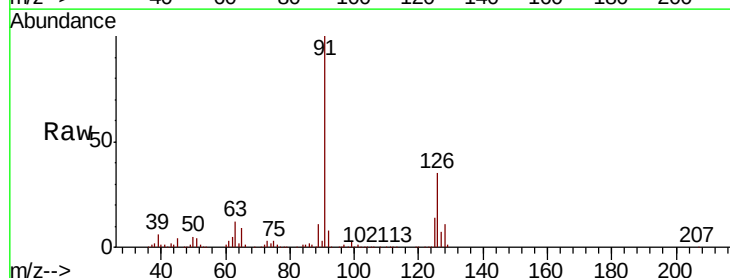
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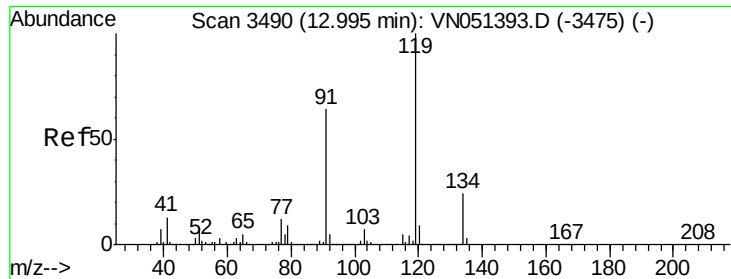
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#82
4-Chlorotoluene
Concen: 52.581 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.5	52.5





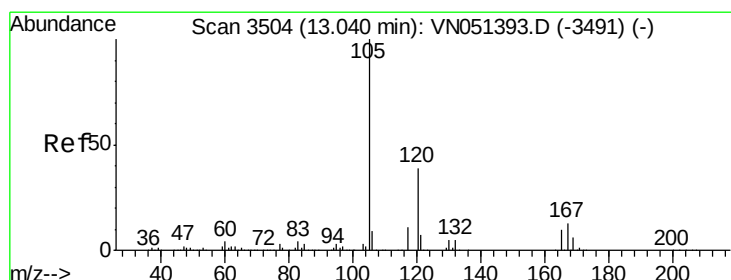
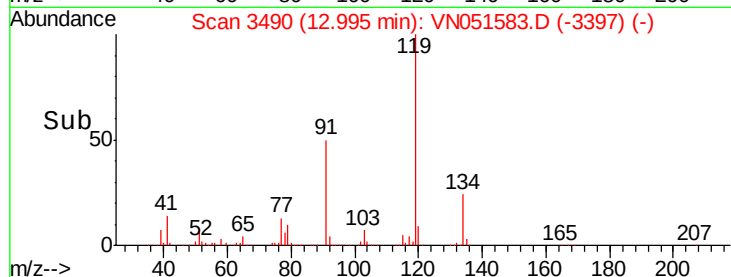
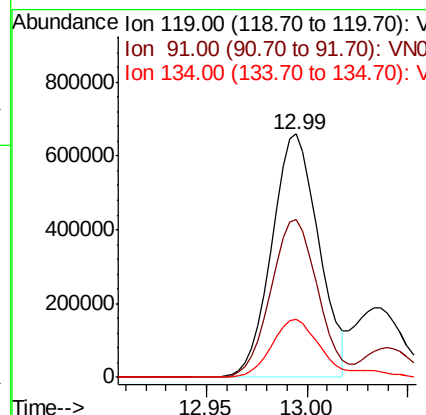
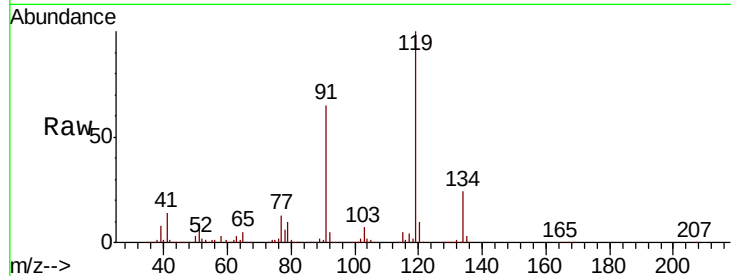
#83
 tert-Butylbenzene
 Concen: 50.432 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1064290
 Ion Ratio Lower Upper
 119 100
 91 64.9 31.7 95.1
 134 26.4 12.3 36.9

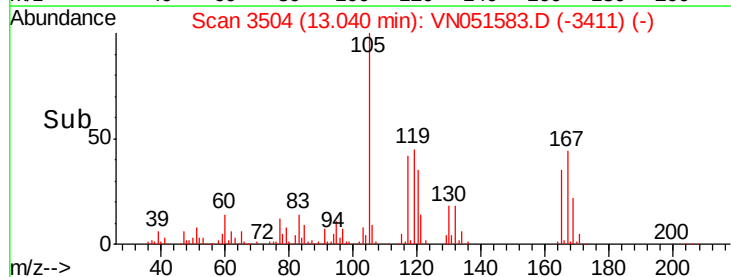
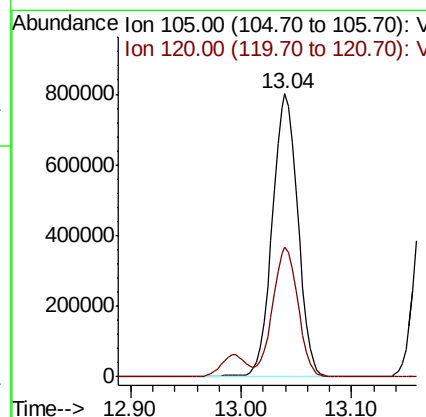
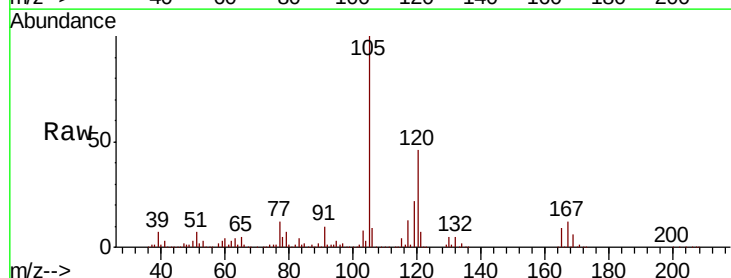
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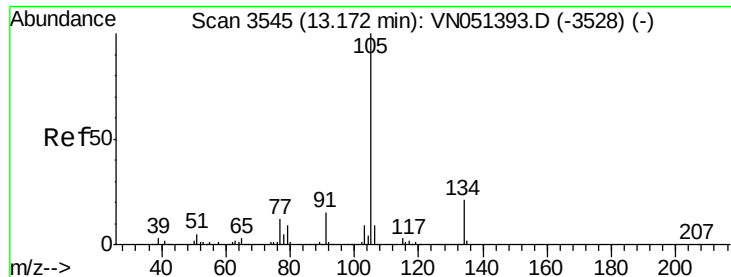
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.592 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion:105 Resp: 1280404
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 52.400 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1496015

Ion Ratio Lower Upper

105 100

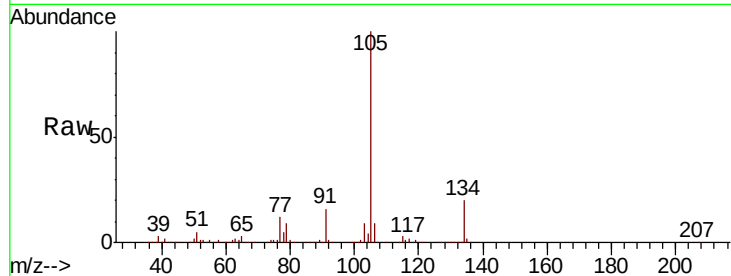
134 20.0 10.4 31.1

Manual Integrations

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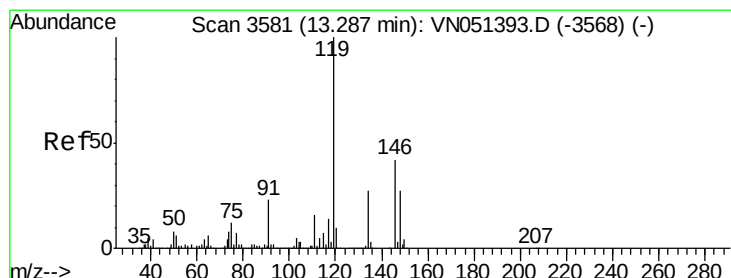
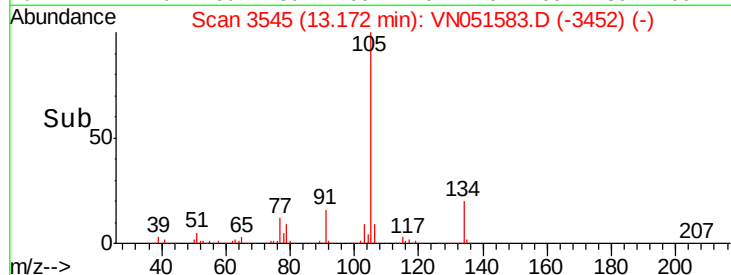
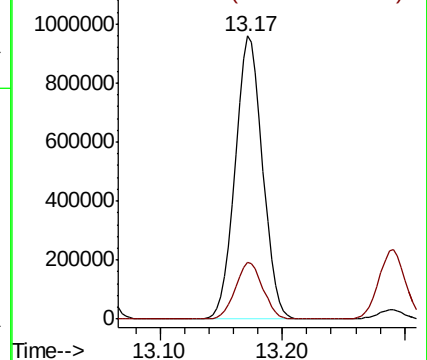
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.177 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051583.D

Acq: 27 Sep 2018 15:25

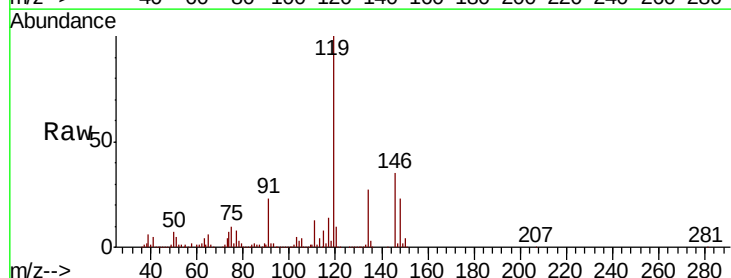
Tgt Ion:119 Resp: 1313684

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

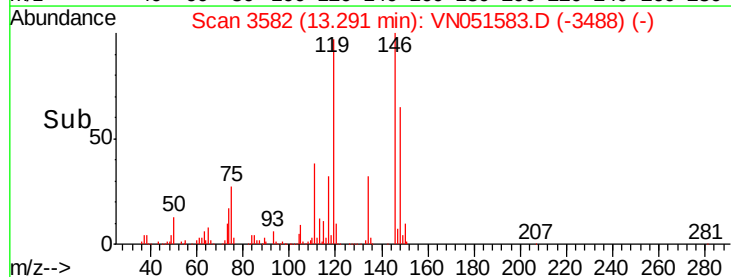
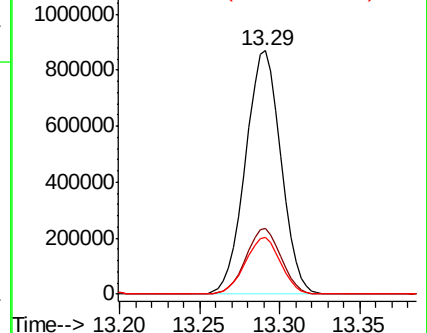
91 23.2 11.4 34.2

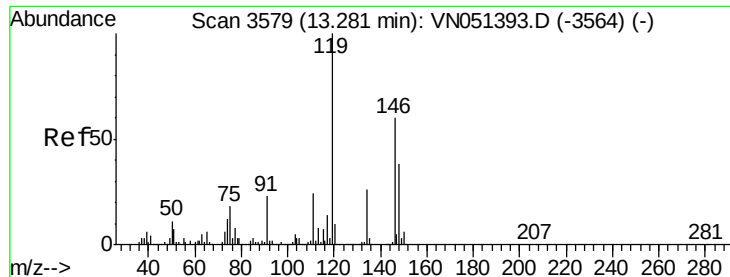


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





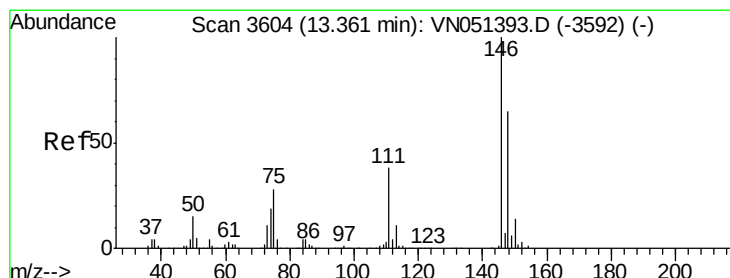
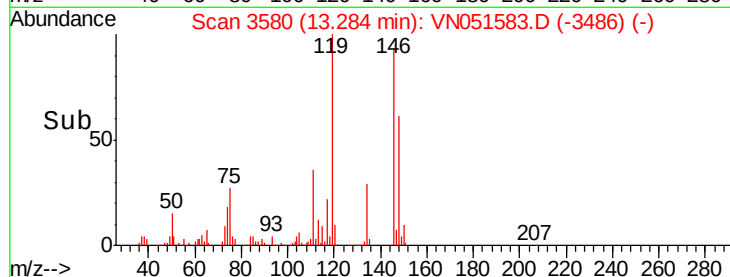
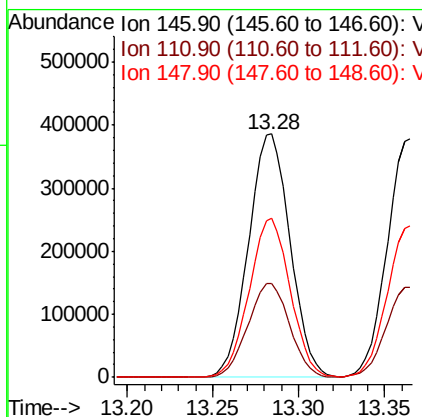
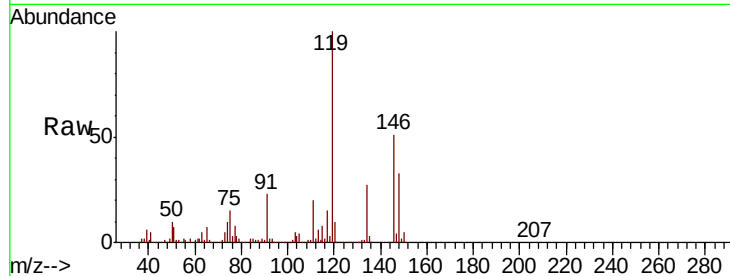
#87
 1,3-Dichlorobenzene
 Concen: 50.931 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	64.3	31.9	95.7

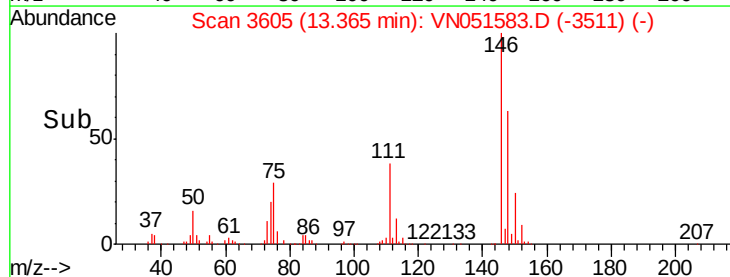
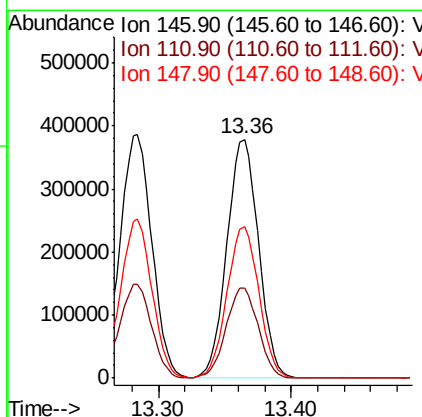
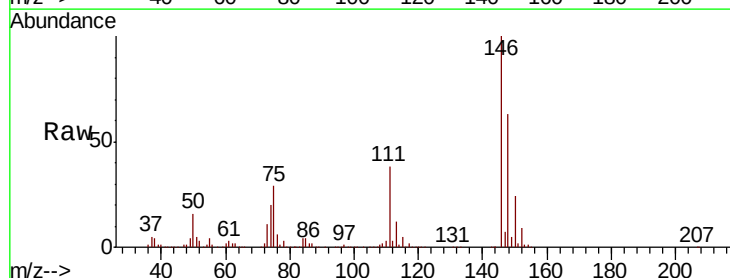
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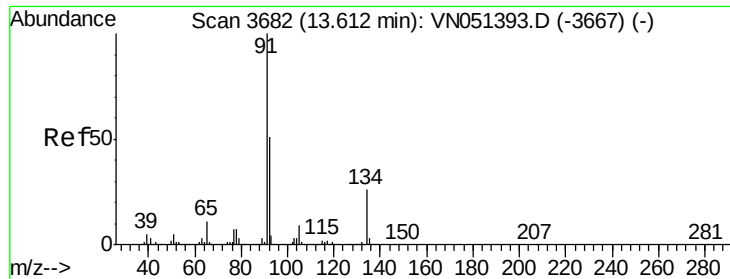
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#88
 1,4-Dichlorobenzene
 Concen: 51.260 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	63.7	32.5	97.5





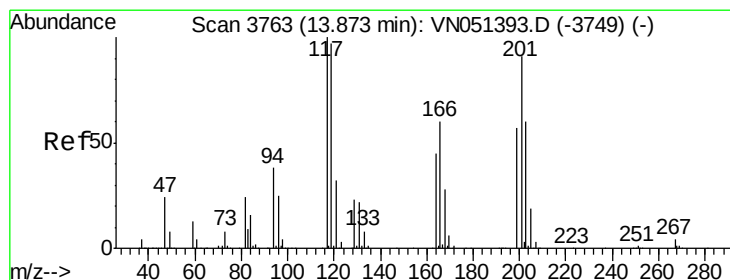
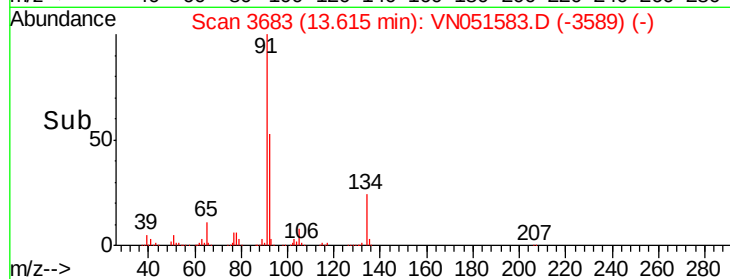
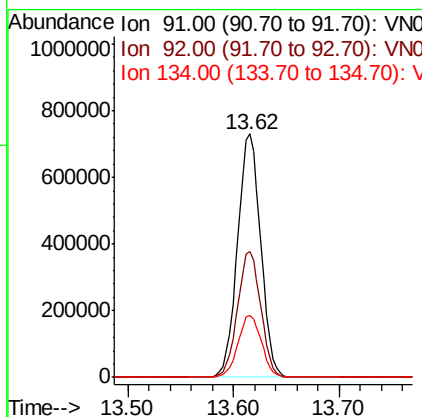
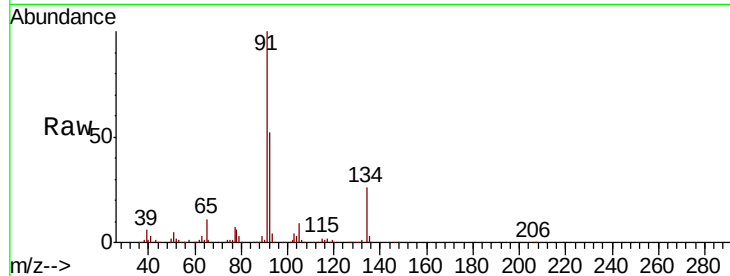
#89
n-Butylbenzene
Concen: 54.612 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.5	76.5
134	25.7	13.3	39.8

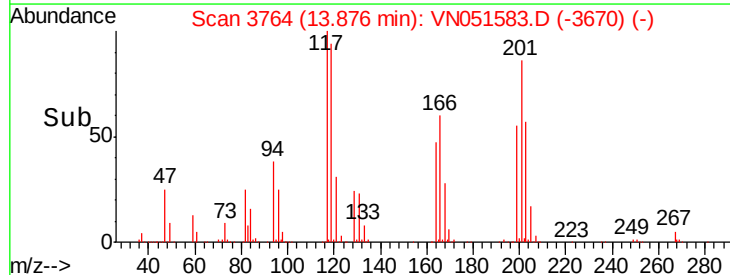
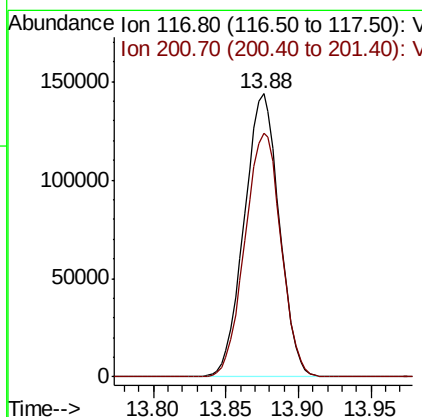
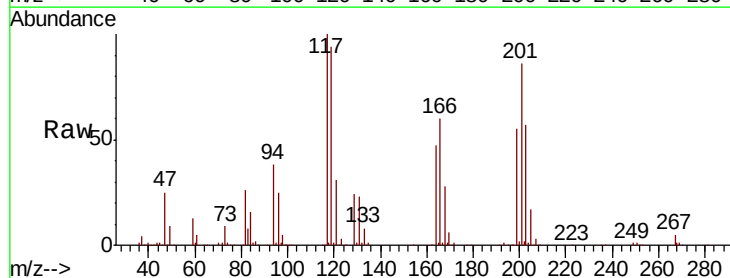
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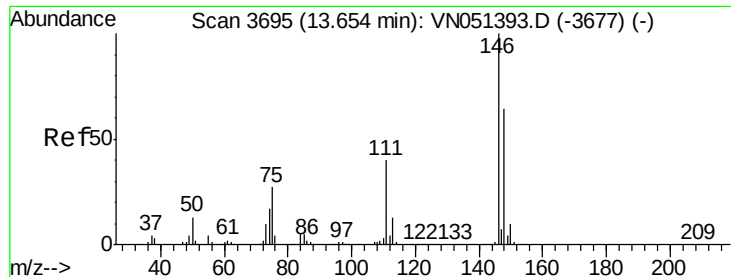
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#90
Hexachloroethane
Concen: 49.390 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	45.5	136.4





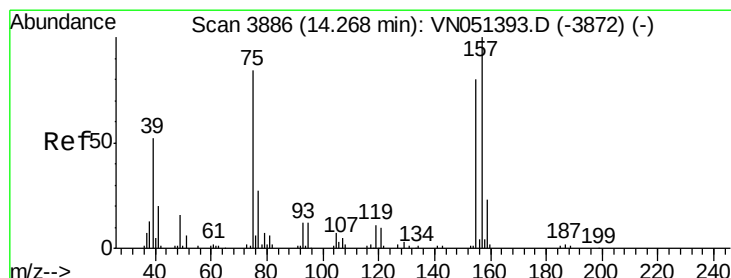
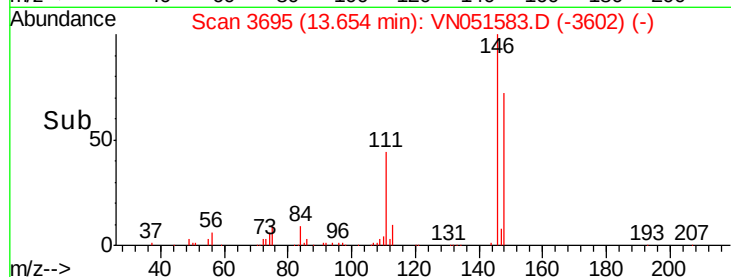
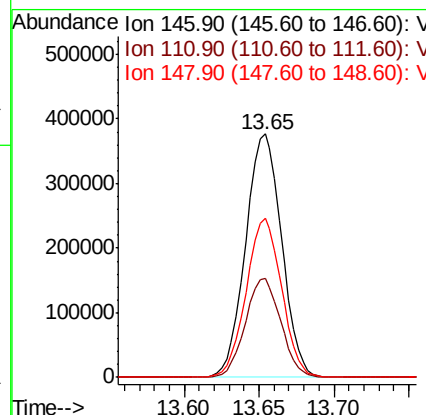
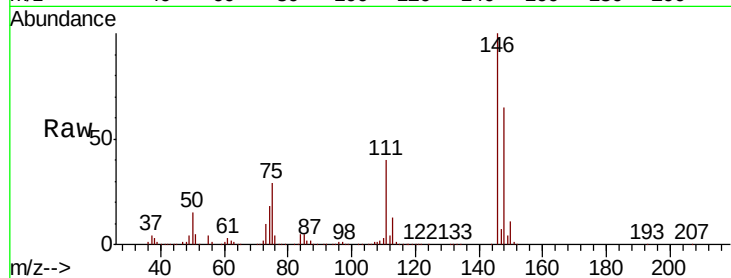
#91
 1,2-Dichlorobenzene
 Concen: 51.220 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	64.1	32.1	96.5

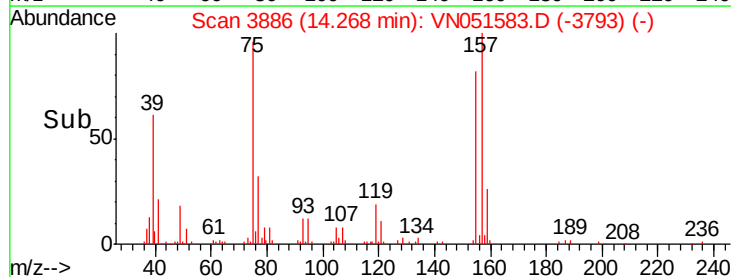
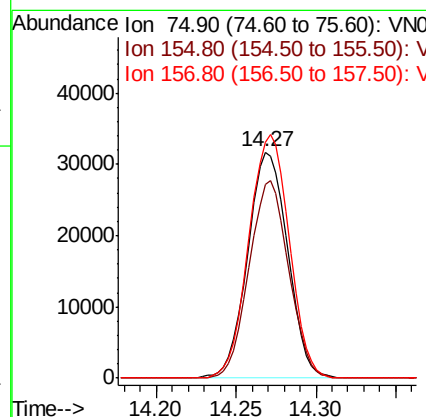
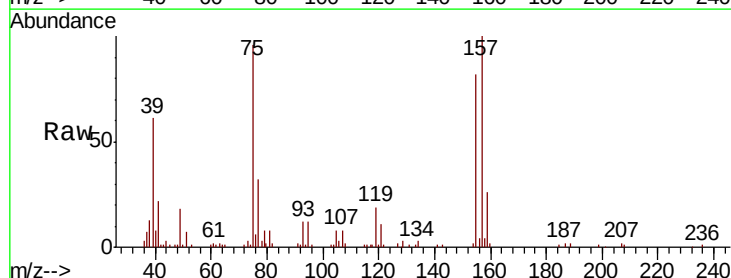
Manual Integrations
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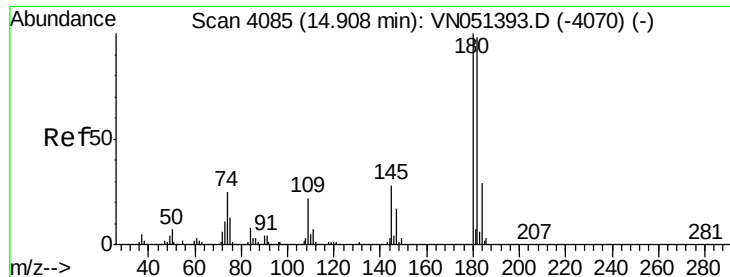
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 9/28/2018 5:08:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.018 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	46.9	140.6
157	108.6	58.4	175.1





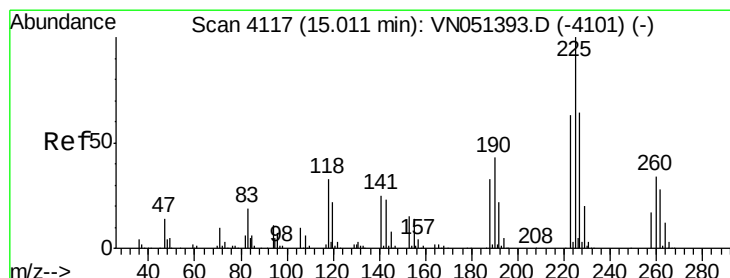
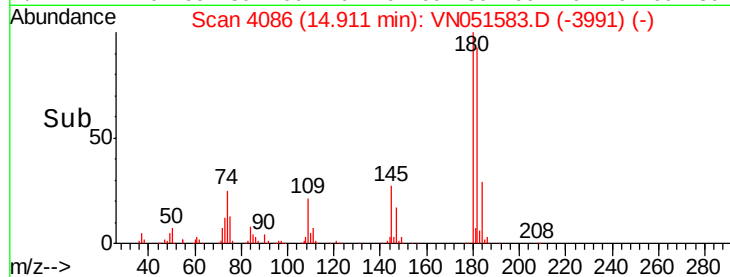
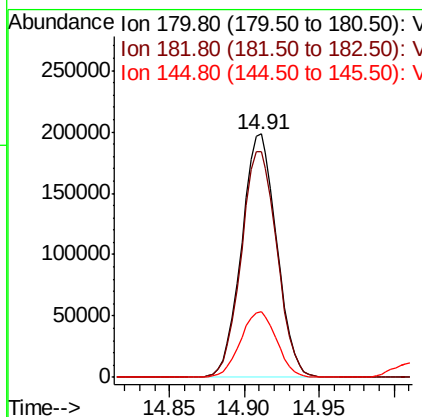
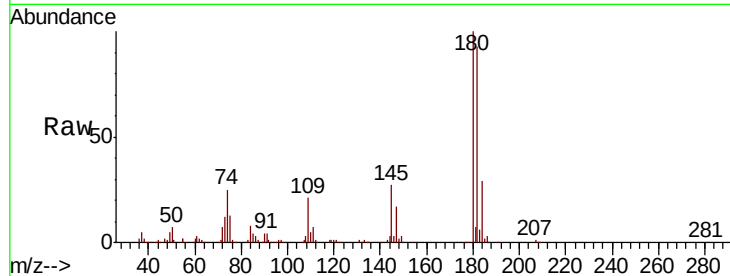
#93
 1,2,4-Trichlorobenzene
 Concen: 48.770 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	48.5	145.6	
145	27.8	14.1	42.4	

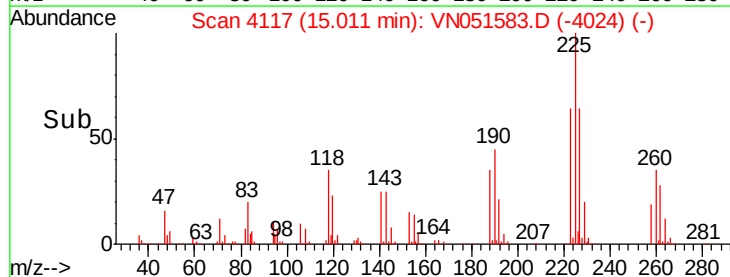
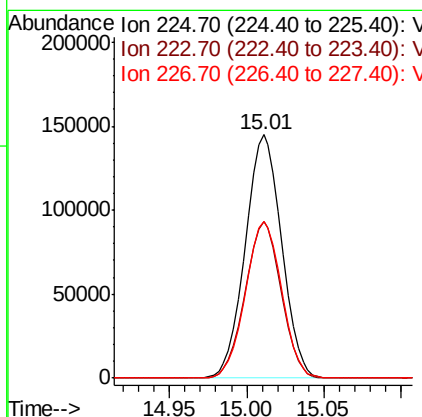
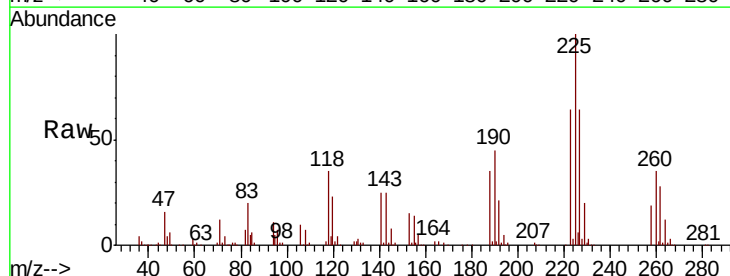
Manual Integrations
 APPROVED

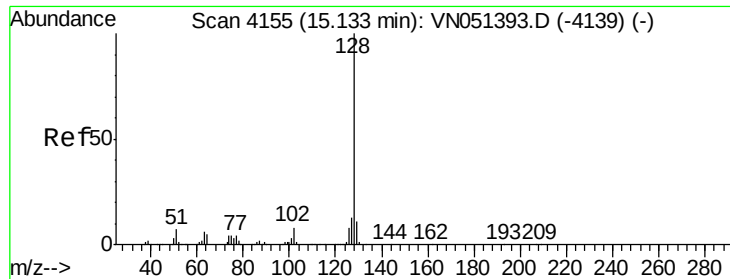
MMDadoda
 9/28/2018 5:08:27 PM



#94
 Hexachlorobutadiene
 Concen: 50.776 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051583.D
 Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.9	95.9	
227	63.9	32.5	97.5	





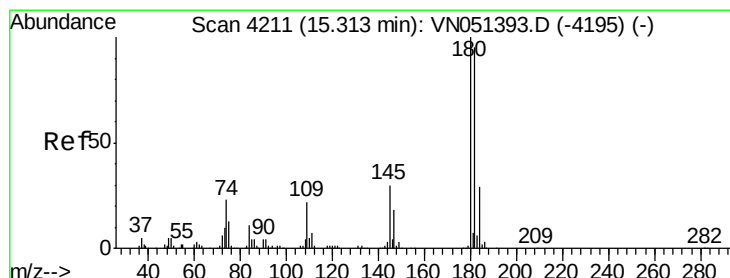
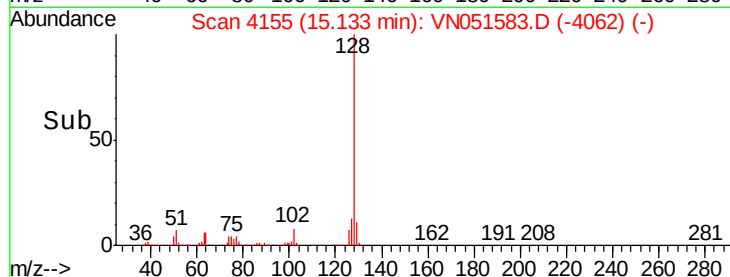
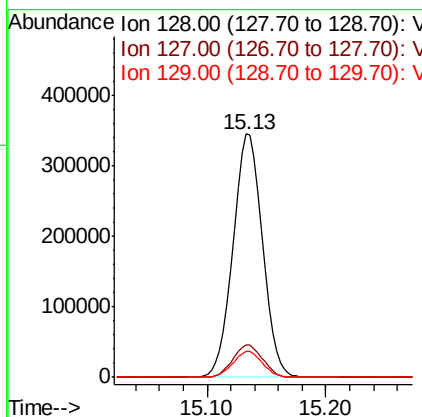
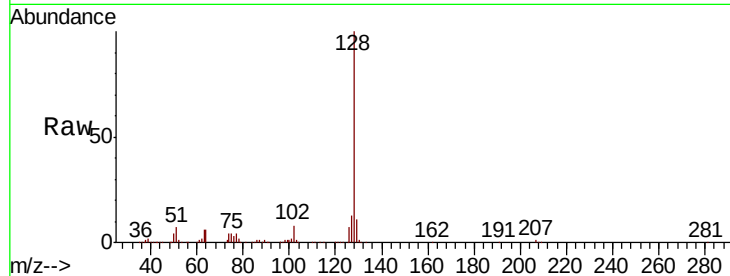
#95
Naphthalene
Concen: 46.853 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	592612		
127	13.5		10.5	15.7
129	10.7		8.6	12.8

Manual Integrations
APPROVED

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9/28/2018 5:08:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.065 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051583.D
Acq: 27 Sep 2018 15:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	314741		
182	95.9		47.2	141.6
145	30.3		14.6	43.8

