

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051338.D
 Acq On : 20 Sep 2018 14:17
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:10 PM

Quant Time: Sep 21 04:08:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	683411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	436208	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	143358	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
35) Dibromofluoromethane	7.59	113	143334	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
50) Toluene-d8	10.09	98	541492	19.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.00%	
62) 4-Bromofluorobenzene	12.40	95	172405	18.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	110177	19.292	ug/l 96
3) Chloromethane	2.06	50	144451	17.829	ug/l 99
4) Vinyl Chloride	2.18	62	155292	19.291	ug/l 98
5) Bromomethane	2.57	94	105184	18.732	ug/l 99
6) Chloroethane	2.71	64	96094	19.424	ug/l 100
7) Trichlorofluoromethane	3.02	101	223643	19.433	ug/l 97
8) Diethyl Ether	3.41	74	70101	19.037	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135079	19.129	ug/l 99
10) Methyl Iodide	3.95	142	195163	18.674	ug/l 99
11) Tert butyl alcohol	4.79	59	37587	95.714	ug/l 99
12) 1,1-Dichloroethene	3.74	96	121164	18.954	ug/l 99
13) Acrolein	3.61	56	44653	99.348	ug/l 100
14) Allyl chloride	4.33	41	169995	18.867	ug/l 99
15) Acrylonitrile	5.00	53	191710	96.332	ug/l 99
16) Acetone	3.82	43	130936	86.051	ug/l 99
17) Carbon Disulfide	4.05	76	361727	18.779	ug/l 99
18) Methyl Acetate	4.33	43	88208	16.870	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	300776	19.441	ug/l 99
20) Methylene Chloride	4.55	84	145881	19.160	ug/l 97
21) trans-1,2-Dichloroethene	5.05	96	131026	19.407	ug/l 95
22) Diisopropyl ether	5.95	45	365938	20.560	ug/l 95
23) Vinyl Acetate	5.90	43	1151119	99.989	ug/l 99
24) 1,1-Dichloroethane	5.85	63	232599	19.172	ug/l 99
25) 2-Butanone	6.84	43	201990	95.442	ug/l 96
26) 2,2-Dichloropropane	6.83	77	191264	19.078	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	145869	19.497	ug/l 99
28) Bromochloromethane	7.20	49	101209	20.127	ug/l 99
29) Tetrahydrofuran	7.21	42	133198	99.342	ug/l 99
30) Chloroform	7.37	83	246304	19.317	ug/l 98
31) Cyclohexane	7.65	56	205284	17.197	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	214475	19.523	ug/l 100
36) 1,1-Dichloropropene	7.80	75	180372	19.224	ug/l 99
37) Ethyl Acetate	6.93	43	93377	20.102	ug/l 98
38) Carbon Tetrachloride	7.78	117	195304	19.241	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207358	18.936	ug/l	97
40) Benzene	8.04	78	559183	19.779	ug/l	98
41) Methacrylonitrile	7.17	41	48863	20.192	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	167340	19.594	ug/l	100
43) Isopropyl Acetate	8.17	43	167326	20.569	ug/l	97
44) Trichloroethene	8.84	130	155580	19.170	ug/l	100
45) 1,2-Dichloropropane	9.12	63	142697	19.725	ug/l	99
46) Dibromomethane	9.21	93	88729	19.896	ug/l	99
47) Bromodichloromethane	9.40	83	186983	19.656	ug/l	99
48) Methyl methacrylate	9.20	41	76717	18.498	ug/l	96
49) 1,4-Dioxane	9.20	88	25120	409.578	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	451322	103.139	ug/l	99
52) Toluene	10.16	92	353804	20.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	175669	19.234	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	210633	19.917	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	127416	19.513	ug/l	98
56) Ethyl methacrylate	10.43	69	138109	20.025	ug/l	99
57) 1,3-Dichloropropane	10.71	76	203373	19.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	353089	104.124	ug/l	98
59) 2-Hexanone	10.75	43	290023	98.308	ug/l	98
60) Dibromochloromethane	10.90	129	147121	19.321	ug/l	99
61) 1,2-Dibromoethane	11.00	107	121249	19.314	ug/l	96
64) Tetrachloroethene	10.63	164	147210	19.938	ug/l	99
65) Chlorobenzene	11.43	112	393901	19.472	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148436	19.275	ug/l	99
67) Ethyl Benzene	11.51	91	621729	19.647	ug/l	100
68) m/p-Xylenes	11.62	106	503877	40.529	ug/l	98
69) o-Xylene	11.95	106	240485	20.065	ug/l	98
70) Styrene	11.96	104	380670	20.463	ug/l	100
71) Bromoform	12.13	173	102594	19.630	ug/l #	100
73) Isopropylbenzene	12.25	105	636679	19.915	ug/l	100
74) N-amyl acetate	12.07	43	131013	19.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	150045	19.018	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	128691m	20.430	ug/l	
77) Bromobenzene	12.53	156	171112	19.372	ug/l	99
78) n-propylbenzene	12.59	91	696437	19.982	ug/l	99
79) 2-Chlorotoluene	12.67	91	426775	19.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	539637	20.822	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37003	20.336	ug/l	99
82) 4-Chlorotoluene	12.77	91	422133	20.220	ug/l	100
83) tert-Butylbenzene	12.99	119	467289	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	543695	21.137	ug/l	99
85) sec-Butylbenzene	13.17	105	631051	20.456	ug/l	99
86) p-Isopropyltoluene	13.29	119	550924	20.521	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	285502	19.230	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	275911	19.171	ug/l	99
89) n-Butylbenzene	13.61	91	399904	19.161	ug/l	98
90) Hexachloroethane	13.87	117	105792	18.400	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	282036	19.665	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19786	18.935	ug/l	98

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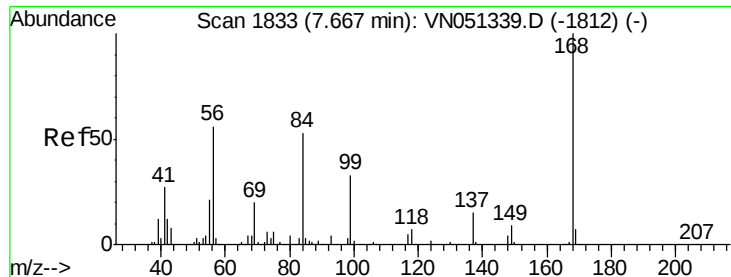
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	121848	18.533	ug/l	98
94) Hexachlorobutadiene	15.01	225	105496	18.953	ug/l	99
95) Naphthalene	15.13	128	200323	17.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	125437	19.176	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 683411

Ion Ratio Lower Upper

168 100

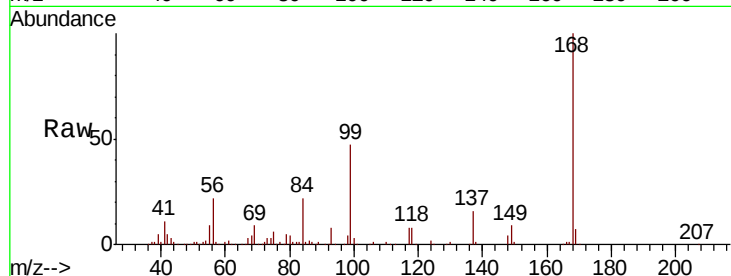
99 46.6 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

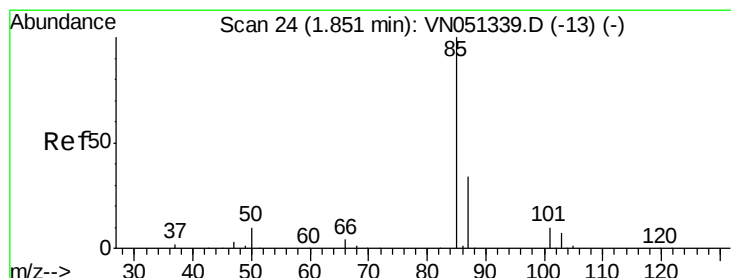
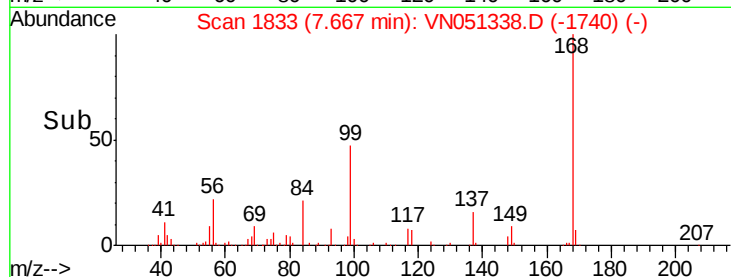
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.292 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051338.D

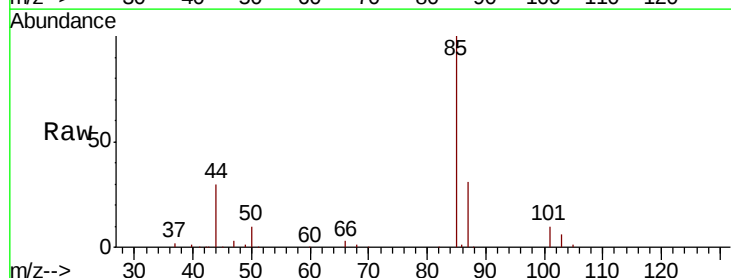
Acq: 20 Sep 2018 14:17

Tgt Ion: 85 Resp: 110177

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

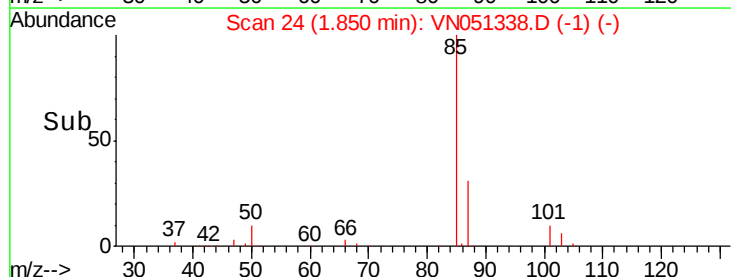
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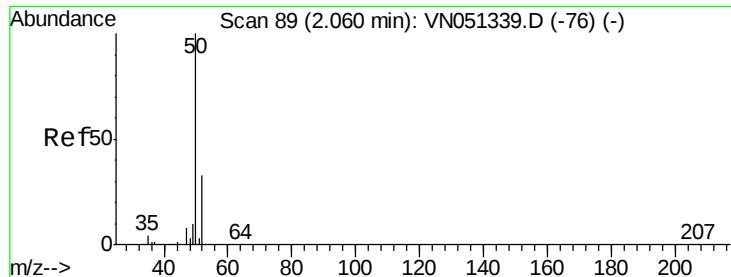
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.829 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 144451

Ion Ratio Lower Upper

50 100

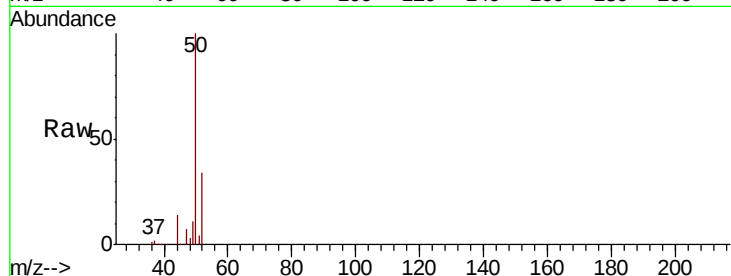
52 33.7 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN051338.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051338.D (-1) (-)

2.06

120000

100000

80000

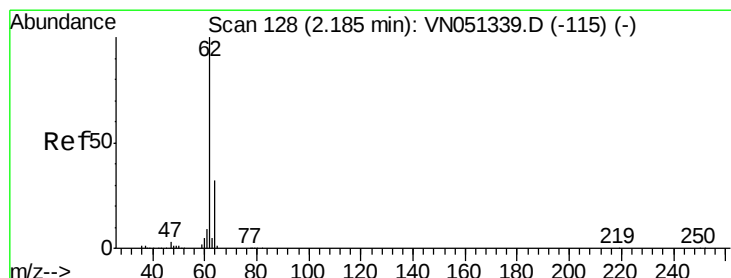
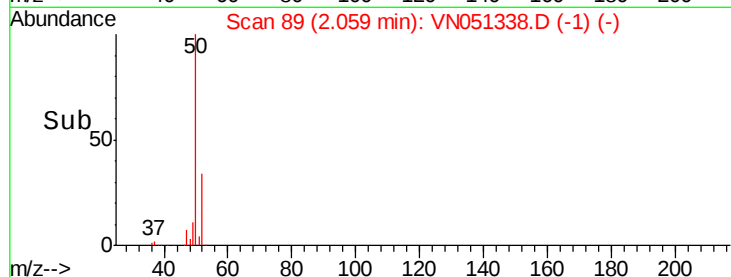
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.291 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051338.D

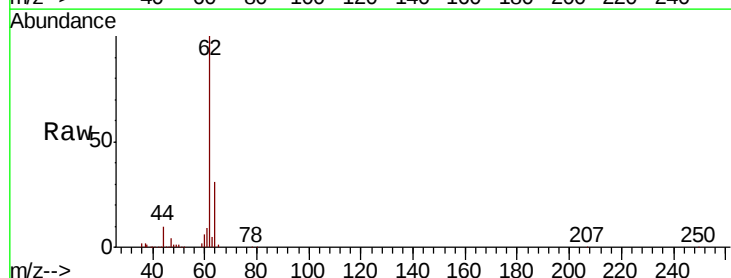
Acq: 20 Sep 2018 14:17

Tgt Ion: 62 Resp: 155292

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN051338.D (-35) (-)

Ion 63.90 (63.60 to 64.60): VN051338.D (-35) (-)

2.18

120000

100000

80000

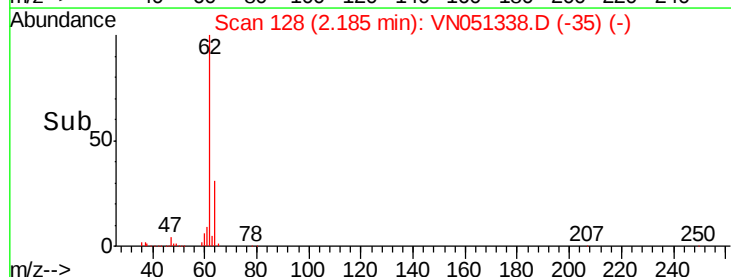
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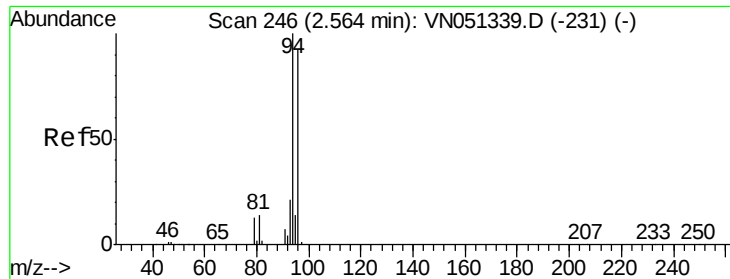
40000

20000

0

Time-->





#5

Bromomethane

Concen: 18.732 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 105184

Ion Ratio Lower Upper

94 100

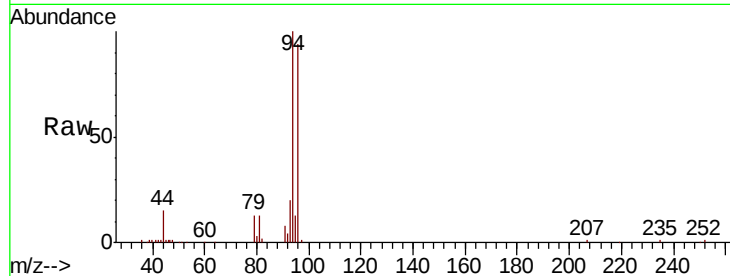
96 93.7 73.8 110.8

Manual Integrations

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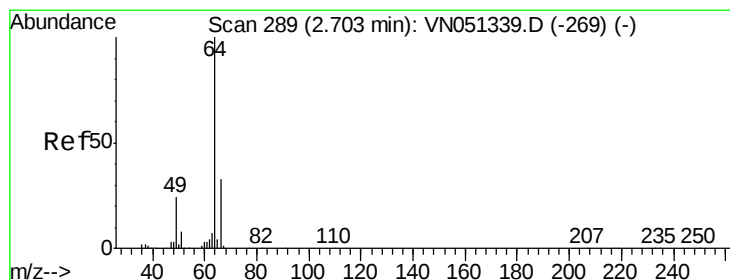
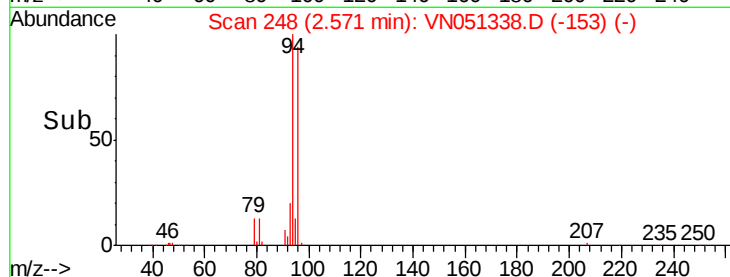
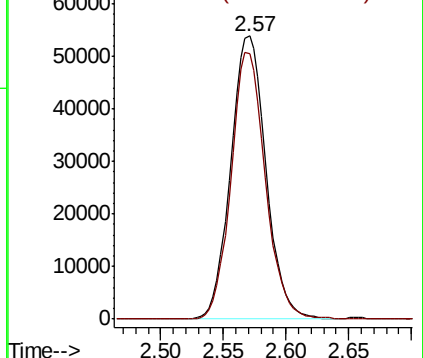
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.424 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051338.D

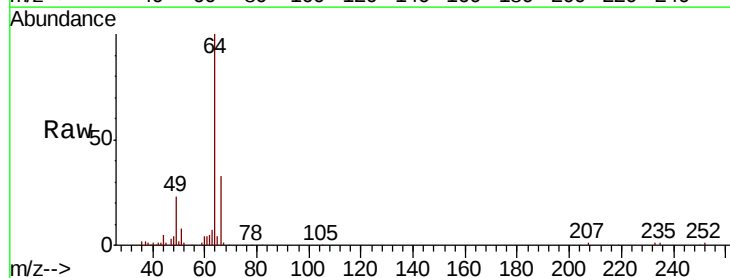
Acq: 20 Sep 2018 14:17

Tgt Ion: 64 Resp: 96094

Ion Ratio Lower Upper

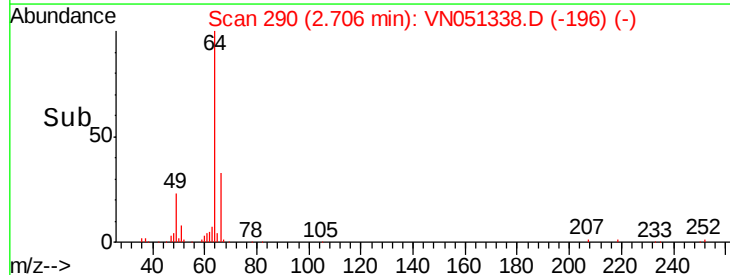
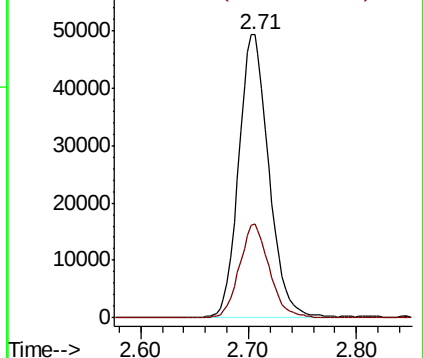
64 100

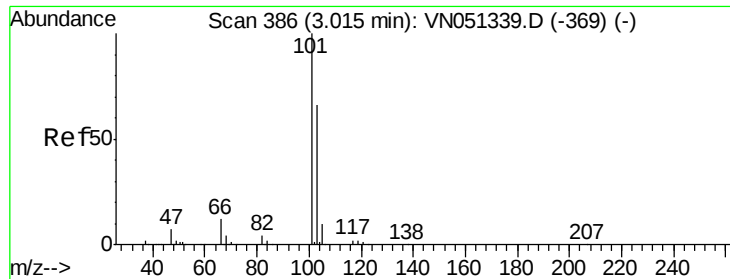
66 33.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

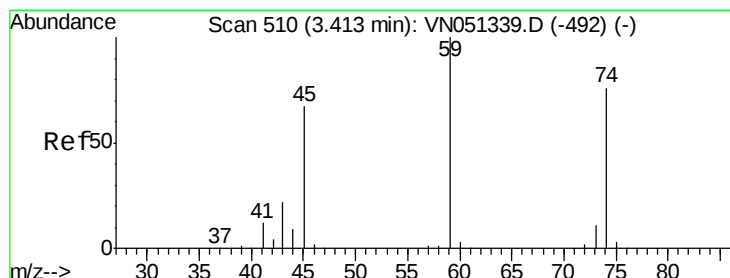
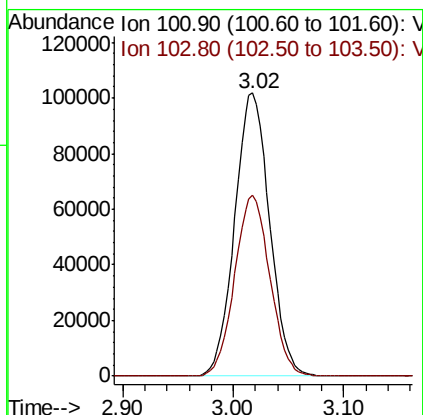
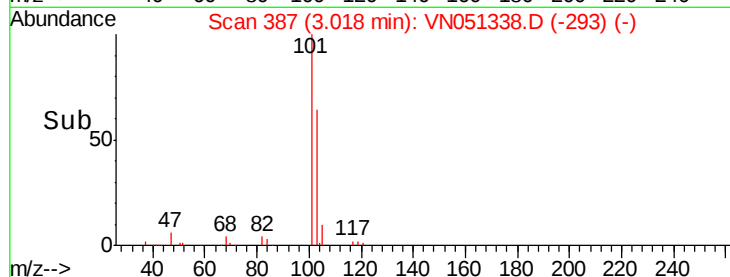
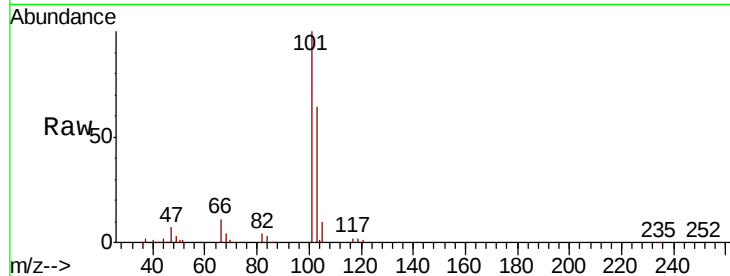
Trichlorofluoromethane
Concen: 19.433 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.7	79.1

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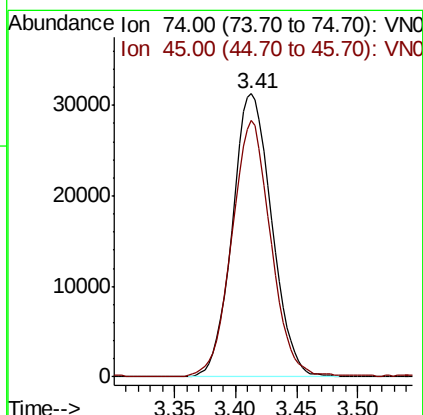
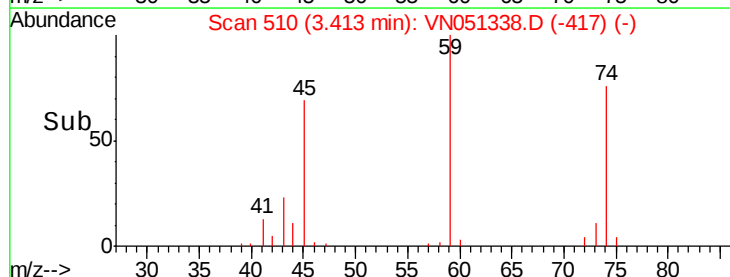
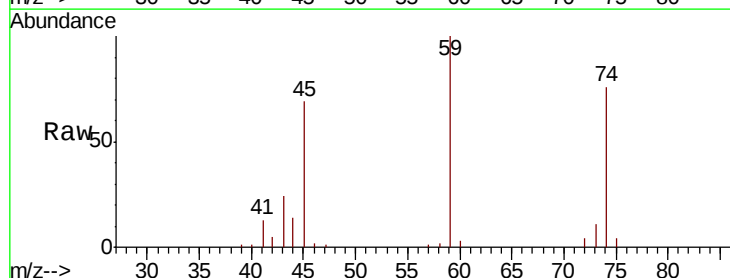
MMDadoda
9/24/2018 2:48:10 PM

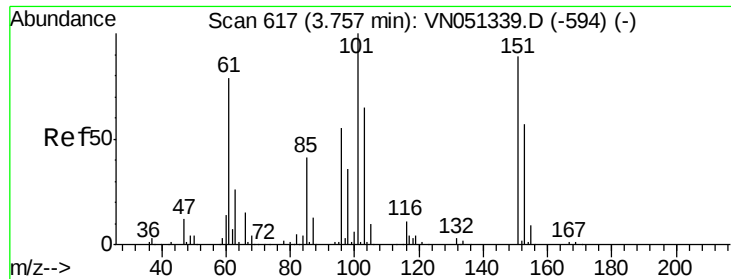


#8

Diethyl Ether
Concen: 19.037 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	44.1	132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.129 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

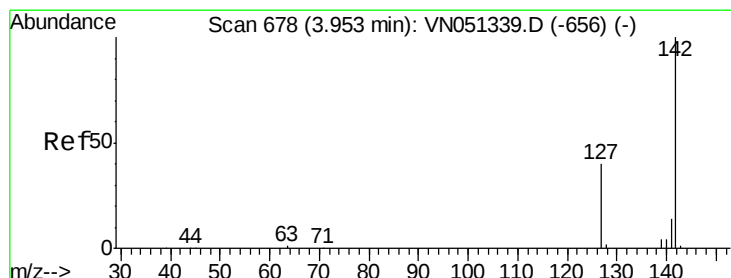
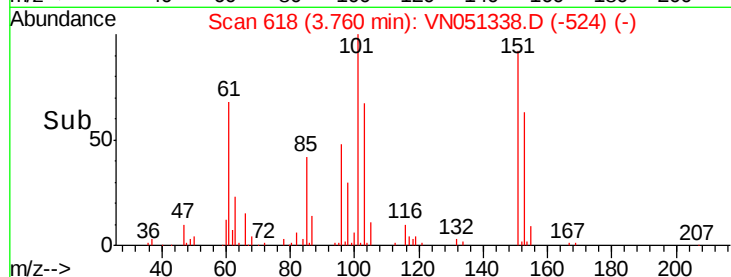
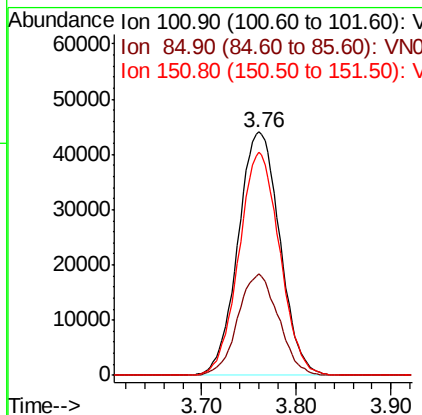
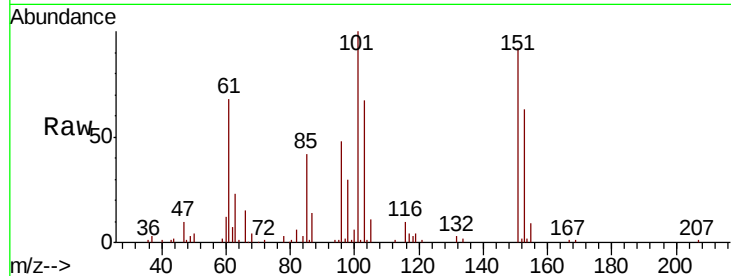
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	135079
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.4	50.2
151	89.5	71.8	107.6

Manual Integrations
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9/24/2018 2:48:10 PM



#10

Methyl Iodide

Concen: 18.674 ug/l

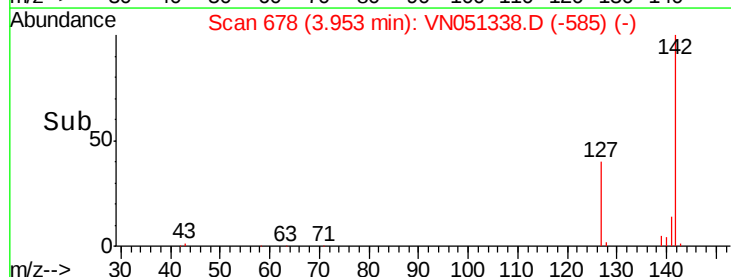
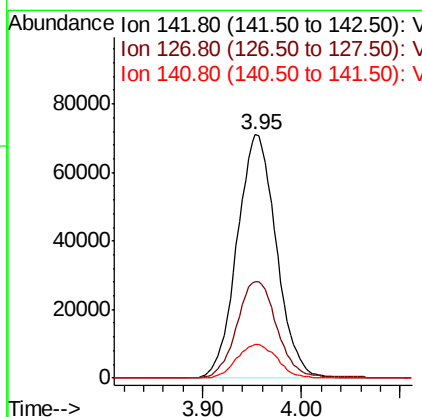
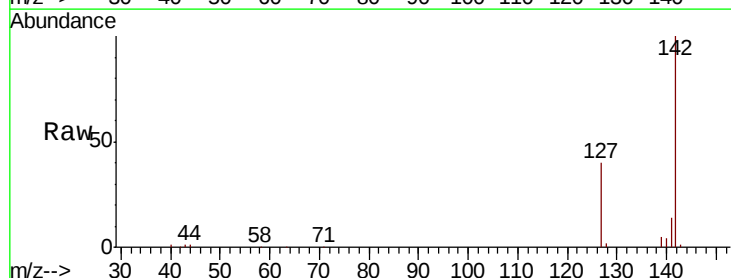
RT: 3.95 min Scan# 678

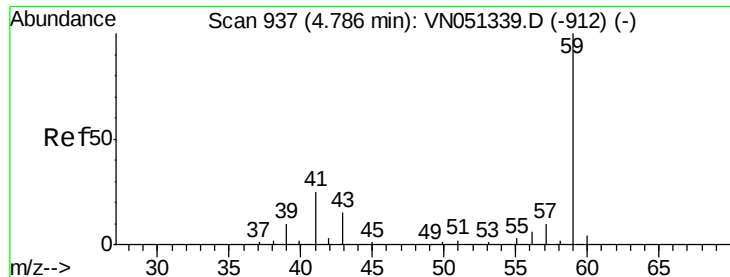
Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion:	142	Resp:	195163
Ion Ratio	Lower	Upper	
142	100		
127	40.6	31.9	47.9
141	14.2	11.4	17.0





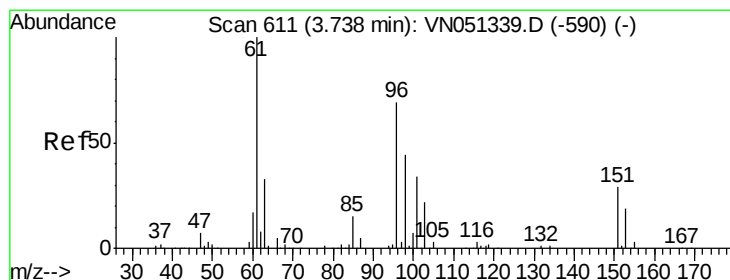
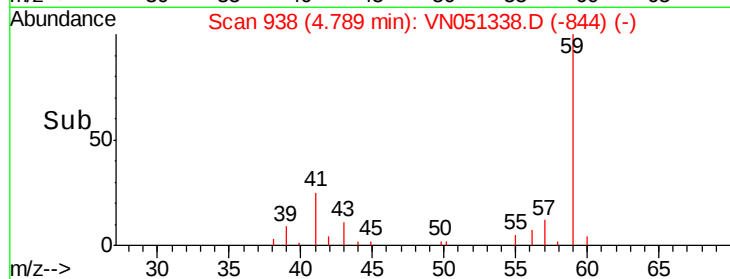
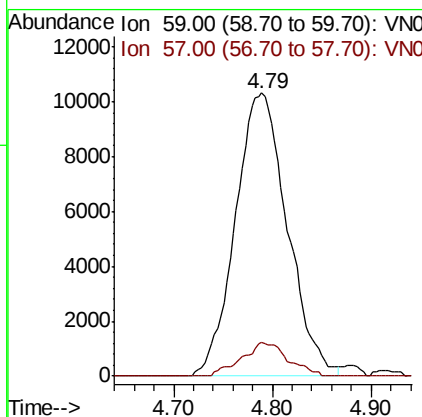
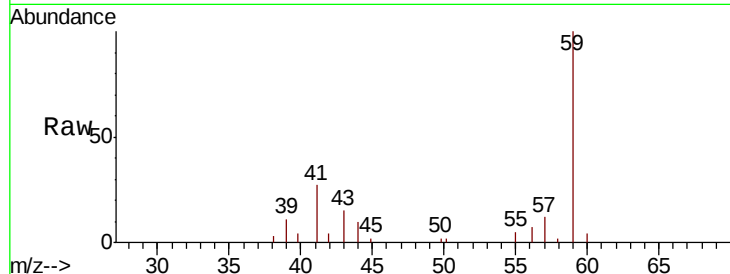
#11
Tert butyl alcohol
Concen: 95.714 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	37587		
57	10.6		8.3	12.5

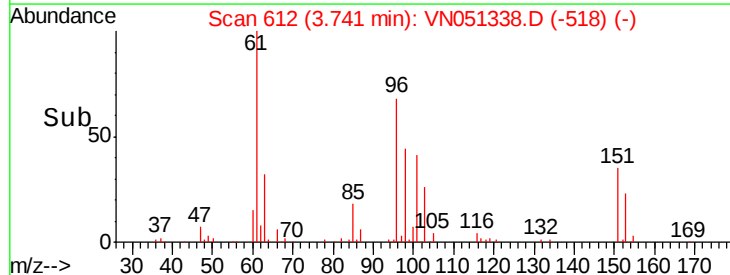
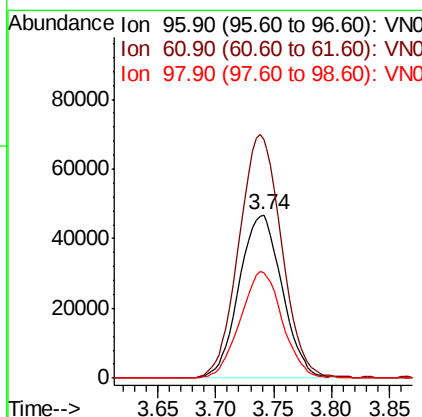
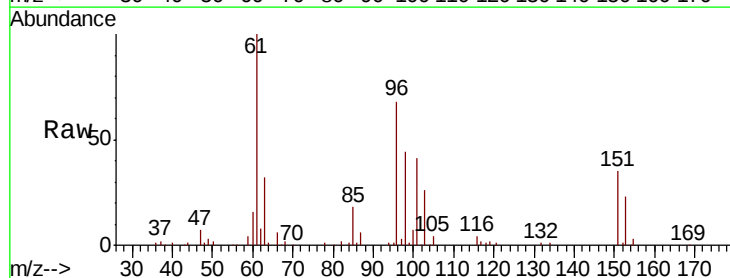
Manual Integrations
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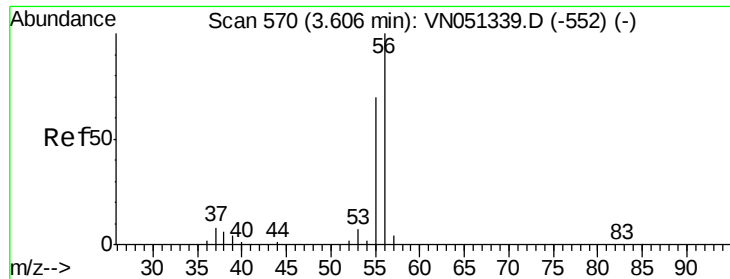
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#12
1,1-Dichloroethene
Concen: 18.954 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	121164		
61	146.5		116.4	174.6
98	64.8		50.9	76.3





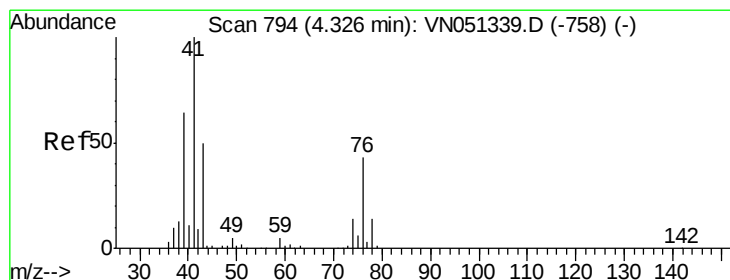
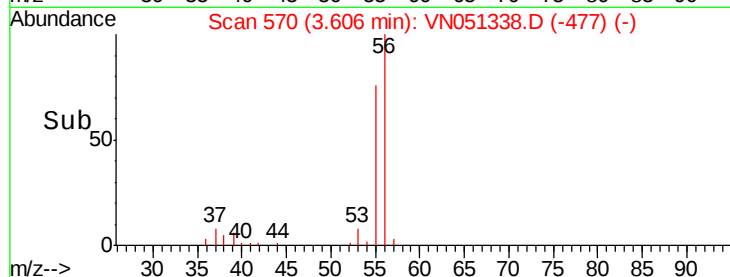
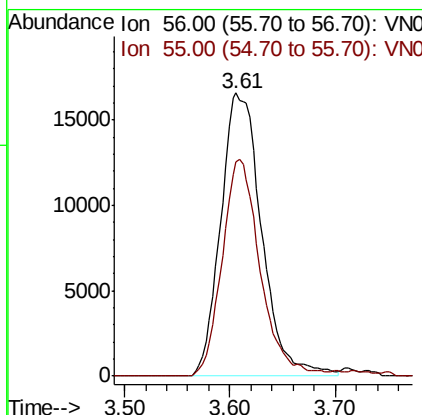
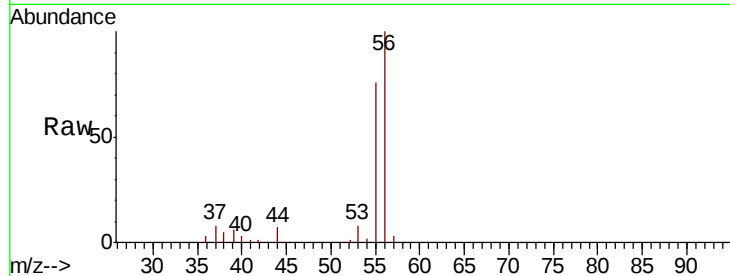
#13
Acrolein
Concen: 99.348 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	44653
Ion Ratio	100	Lower	Upper
55	71.0	56.5	84.7

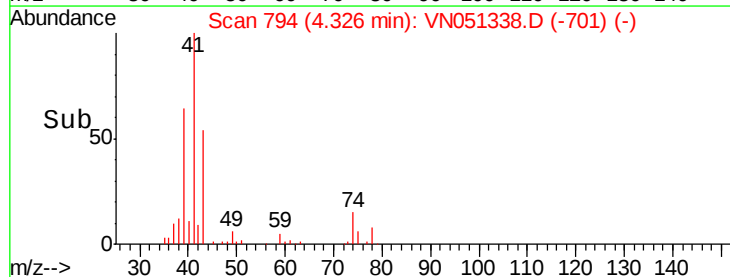
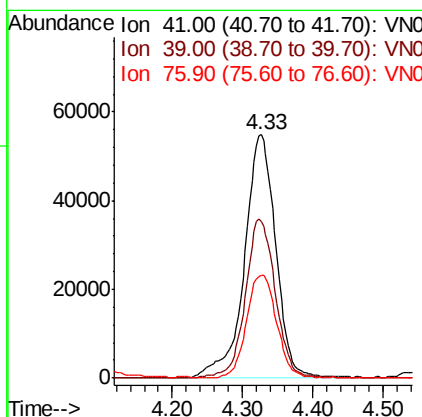
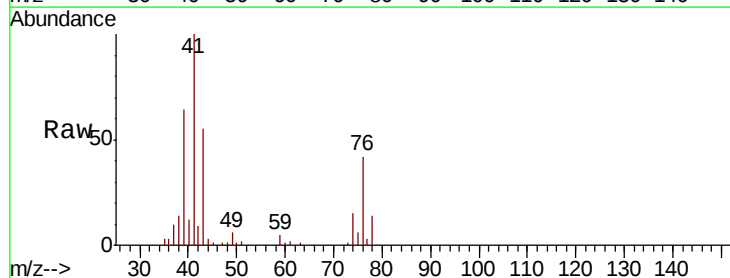
Manual Integrations
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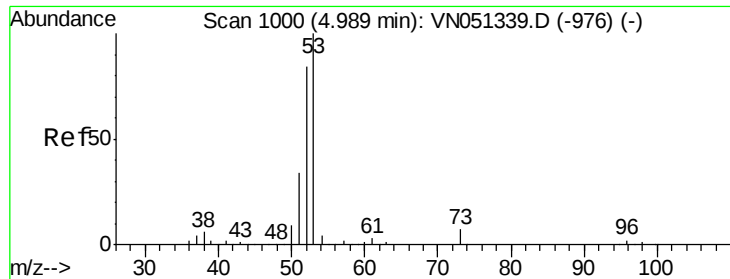
MMDadoda
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#14
Allyl chloride
Concen: 18.867 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	41	Resp	169995
Ion Ratio	100	Lower	Upper
39	62.4	50.4	75.6
76	40.7	32.4	48.6





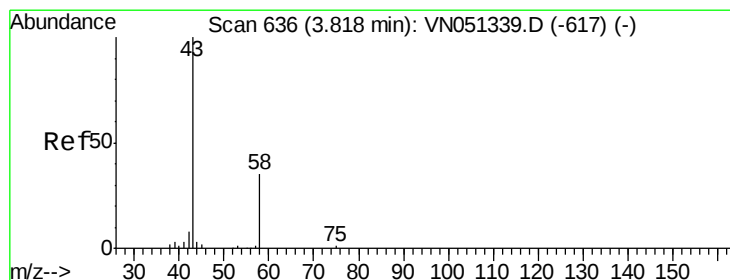
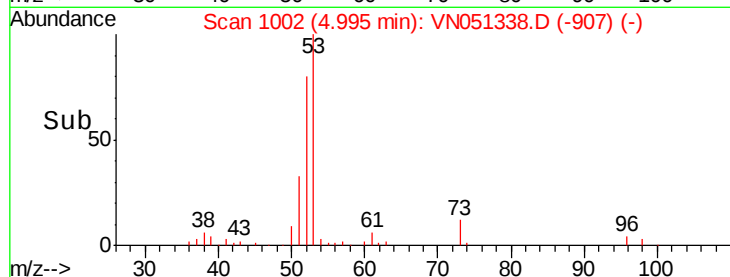
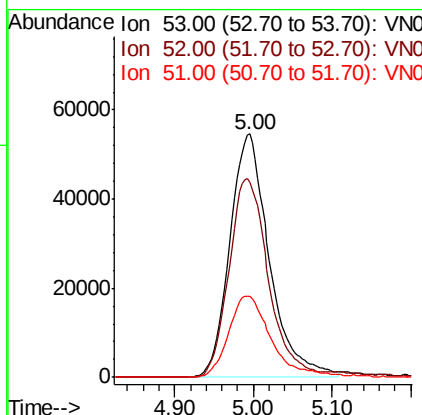
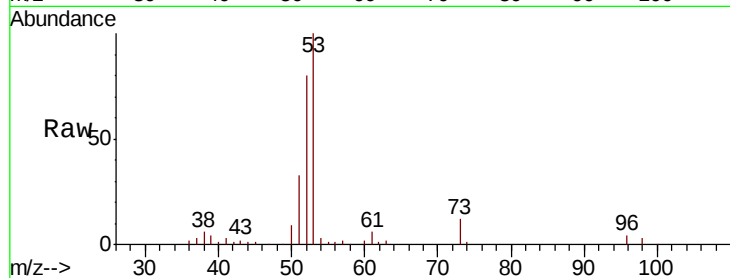
#15
 Acrylonitrile
 Concen: 96.332 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	191710
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.4	98.0
51	36.0	28.3	42.5

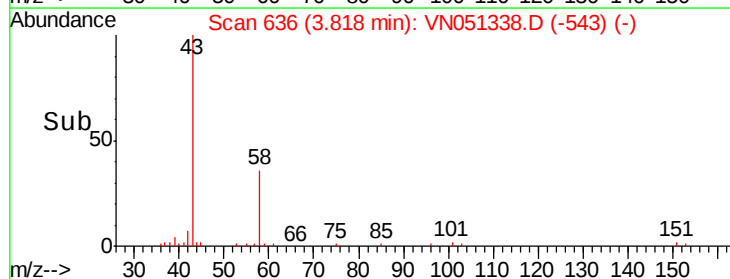
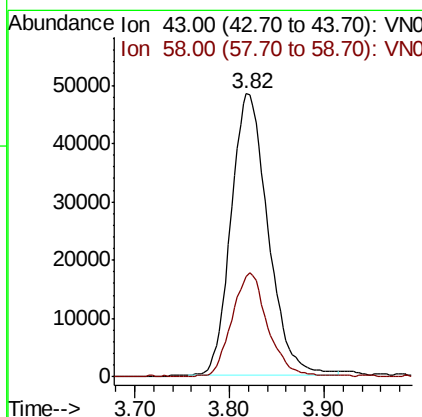
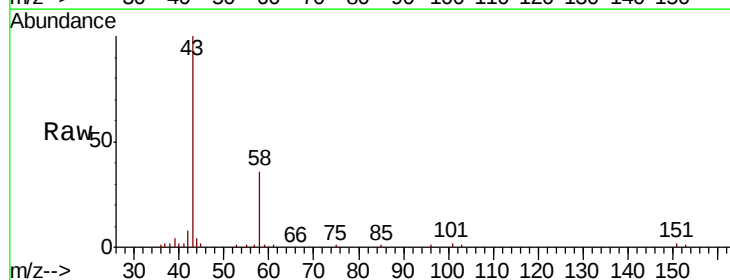
Manual Integrations
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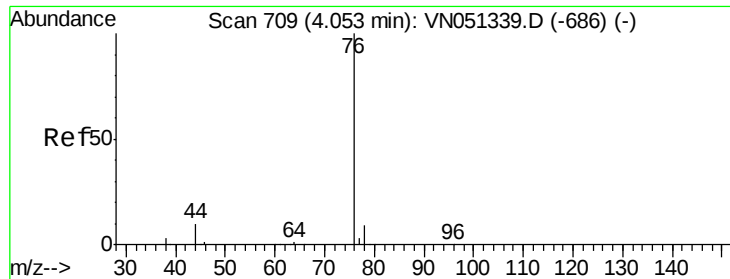
MMDadoda
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#16
 Acetone
 Concen: 86.051 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion:	43	Resp:	130936
Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.3	42.5





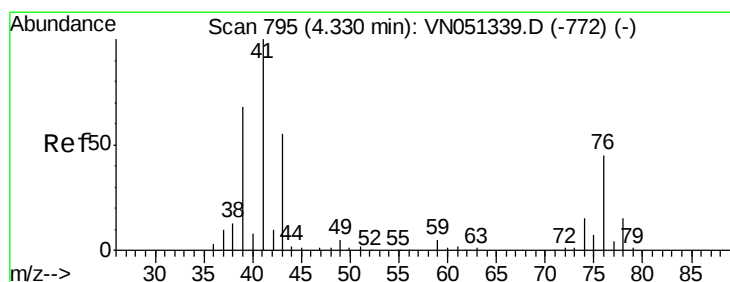
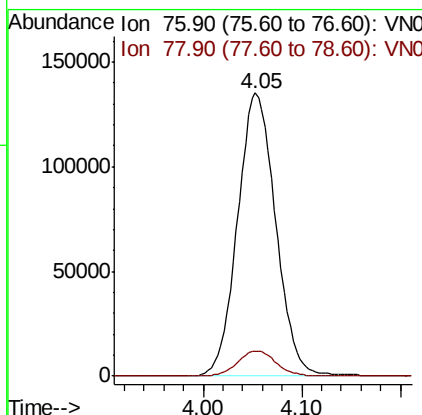
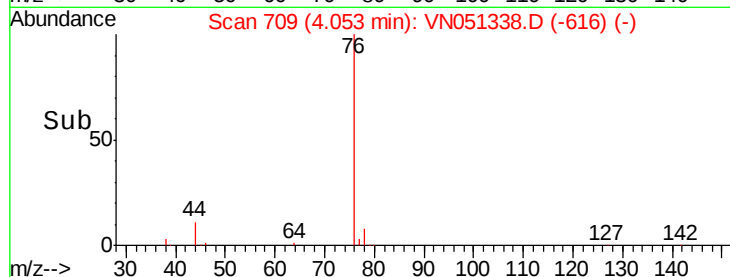
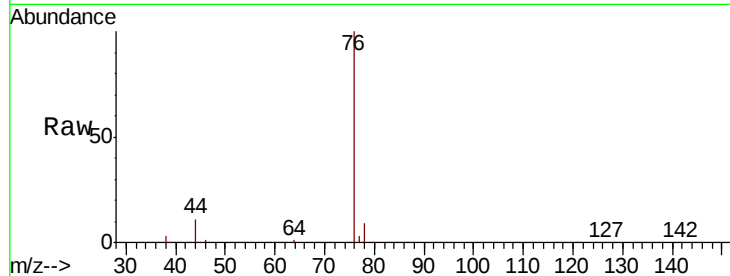
#17
Carbon Disulfide
Concen: 18.779 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

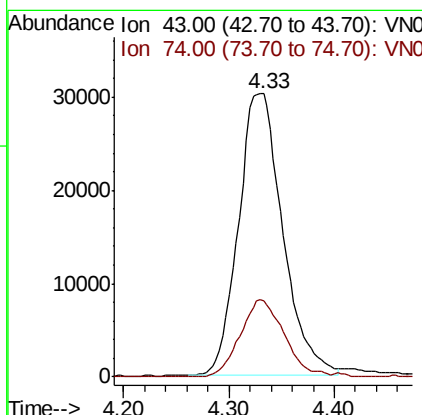
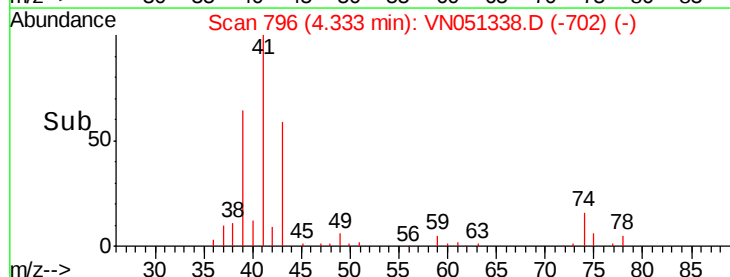
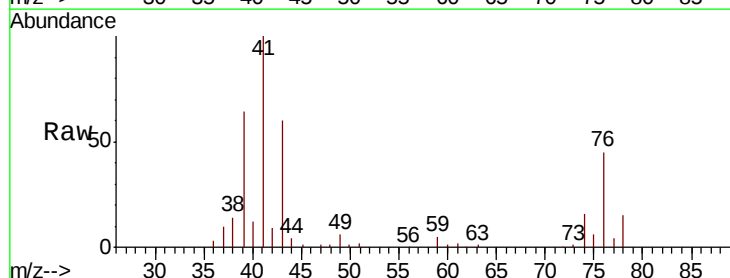
Manual Integrations
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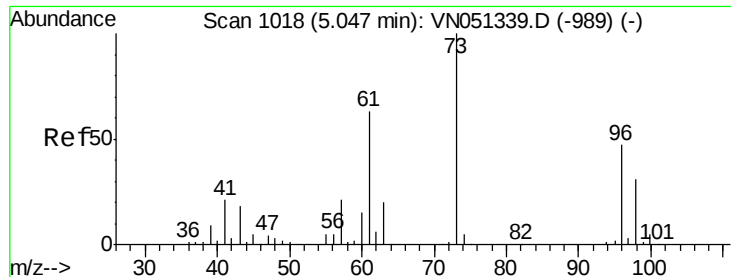
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#18
Methyl Acetate
Concen: 16.870 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.2	21.7	32.5





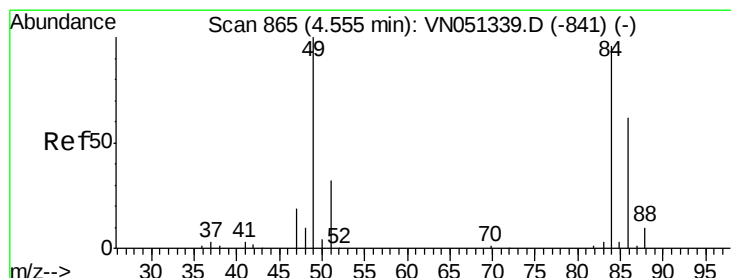
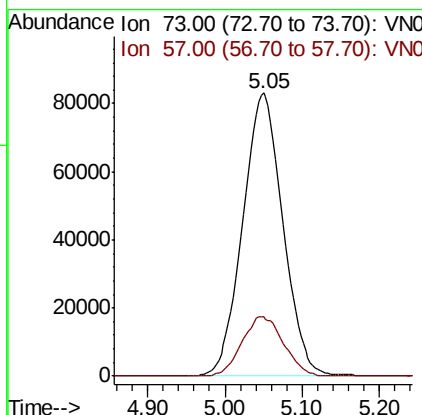
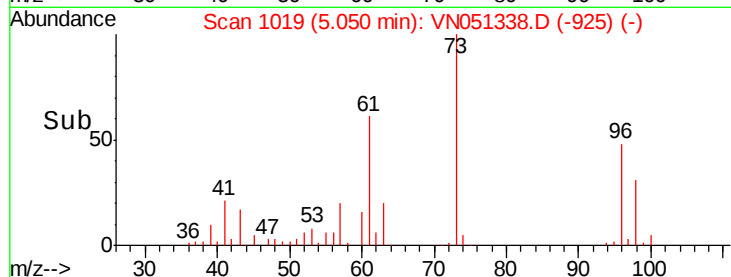
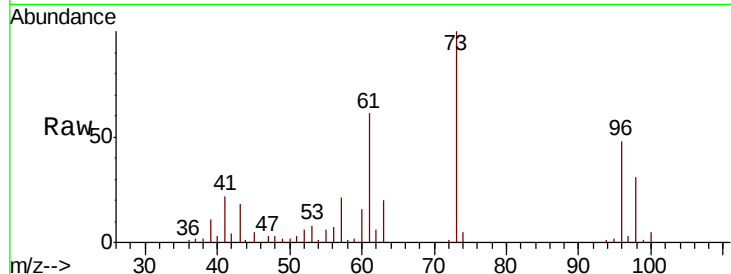
#19
Methvl tert-butvl Ether
Concen: 19.441 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 300776
Ion Ratio Lower Upper
73 100
57 20.8 16.9 25.3

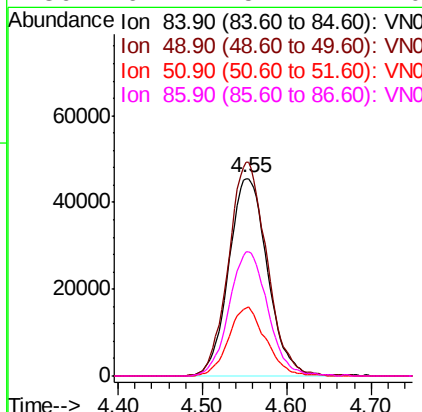
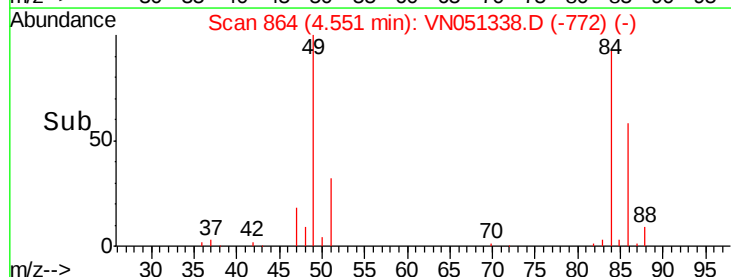
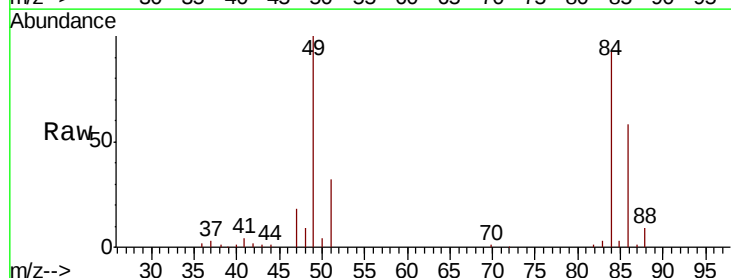
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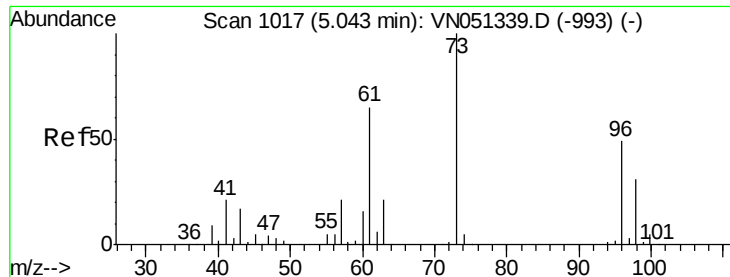
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#20
Methylene Chloride
Concen: 19.160 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 84 Resp: 145881
Ion Ratio Lower Upper
84 100
49 107.7 83.2 124.8
51 34.5 26.4 39.6
86 62.7 51.4 77.0





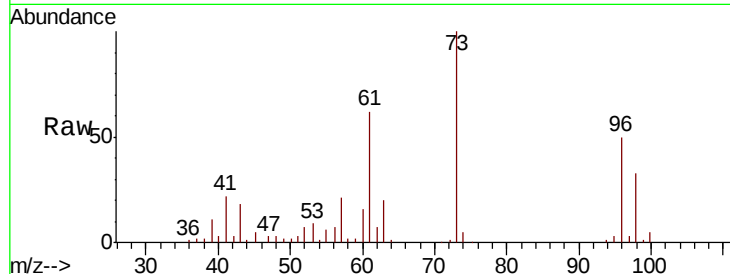
#21
trans-1,2-Dichloroethene
Concen: 19.407 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.1	106.2	159.4
98	65.6	51.0	76.6

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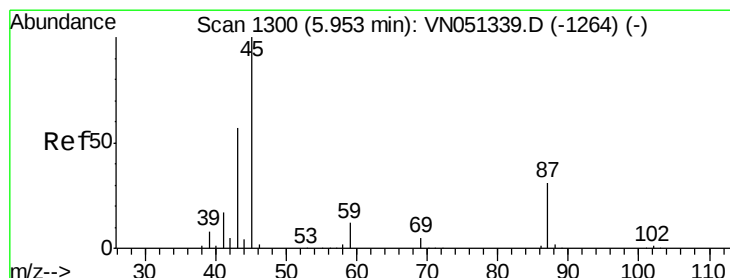
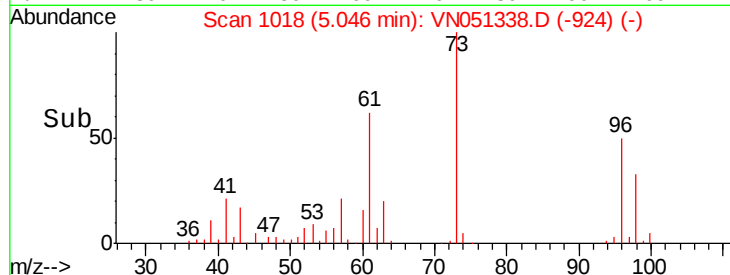
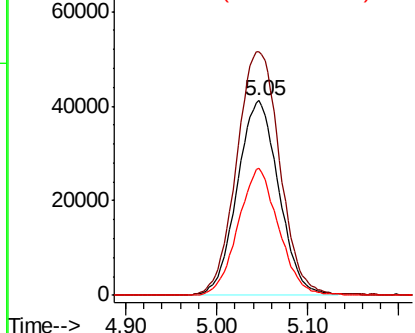


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 20.560 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.9	46.1	69.1
87	32.2	25.6	38.4
59	12.8	9.9	14.9

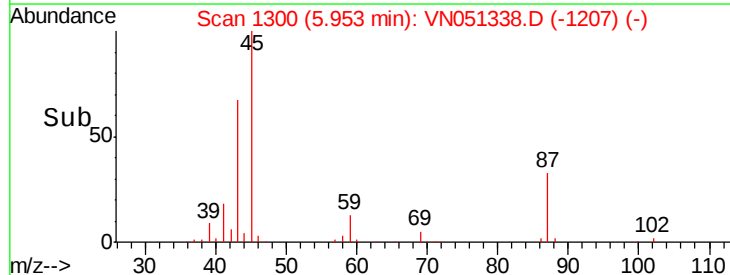
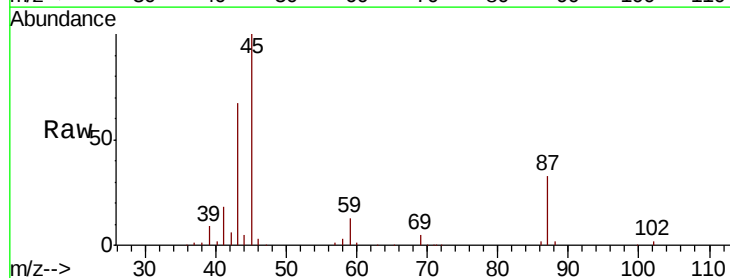
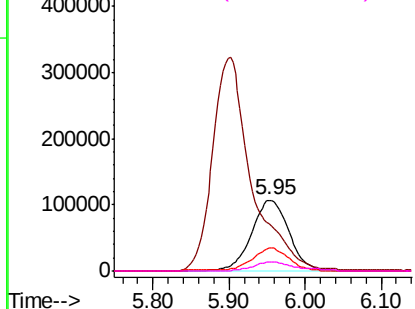
Abundance

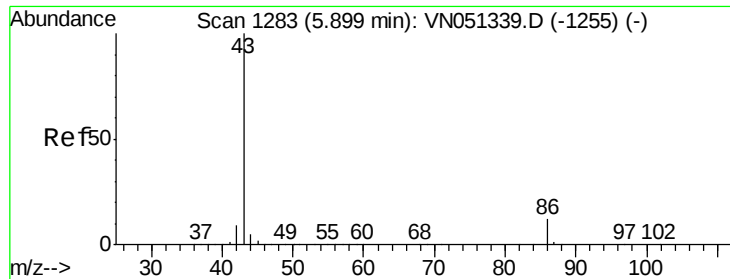
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 99.989 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1151119

Ion Ratio Lower Upper

43 100

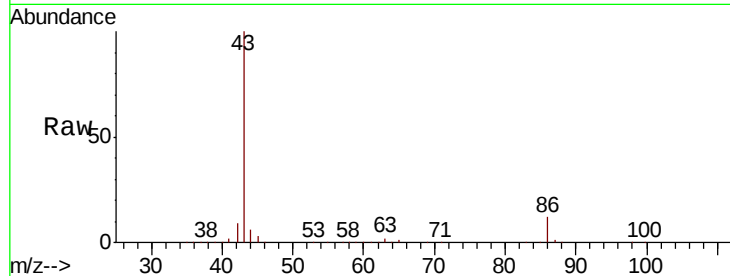
86 11.7 9.8 14.6

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Abundance Ion 43.00 (42.70 to 43.70): VN051338.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN051338.D (-1255) (-)

5.90

300000

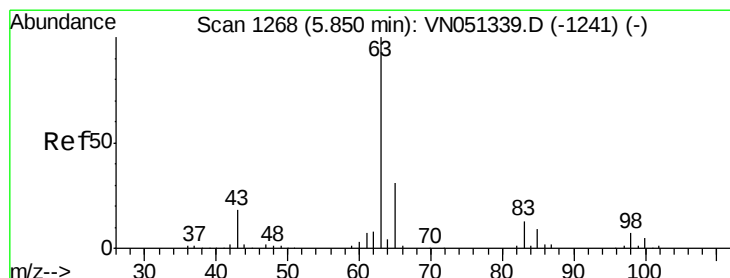
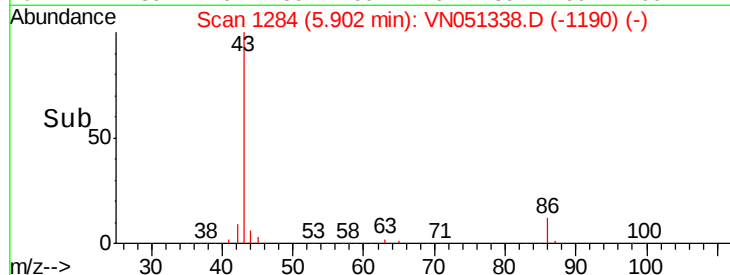
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.172 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

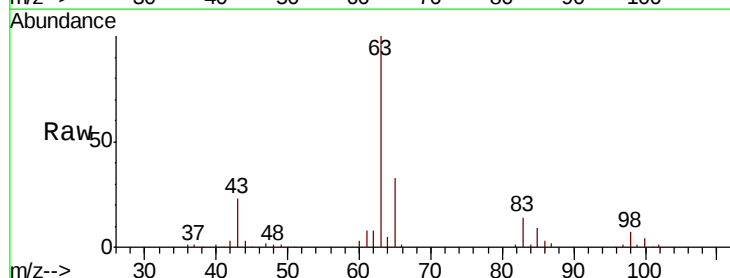
Tgt Ion: 63 Resp: 232599

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.1 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN051338.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051338.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051338.D (-1241) (-)

5.85

100000

80000

60000

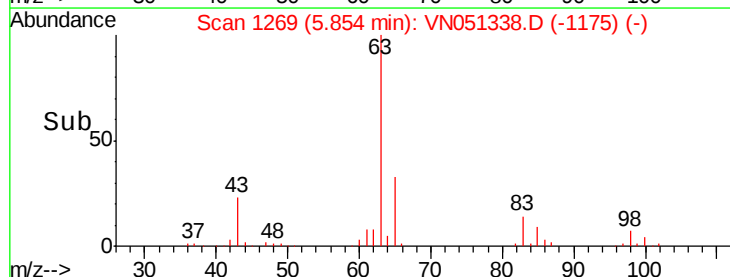
40000

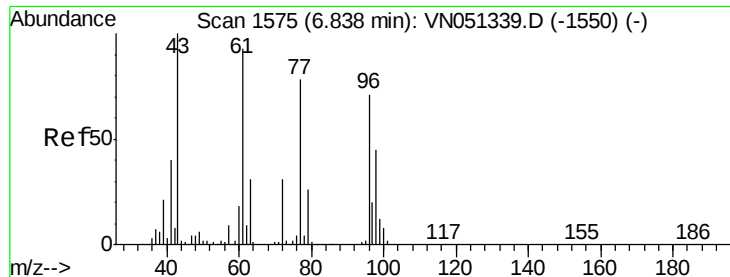
20000

0

5.70 5.80 5.90

Time-->





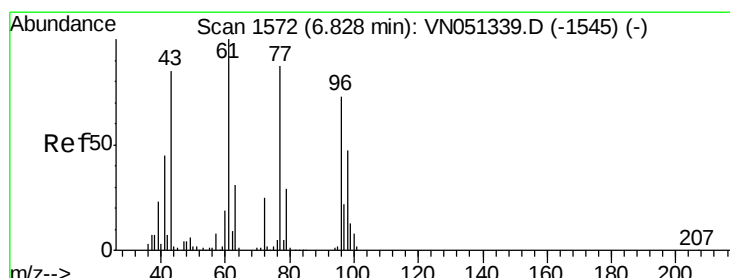
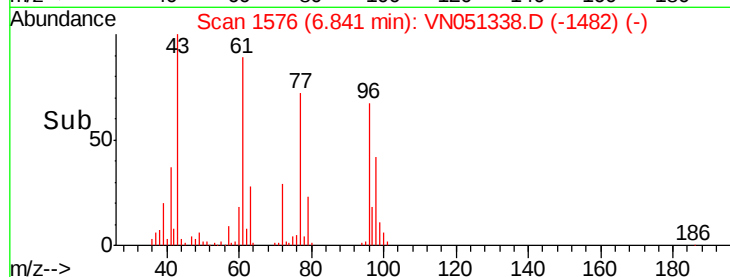
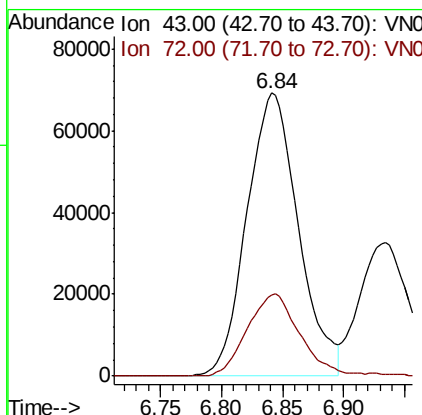
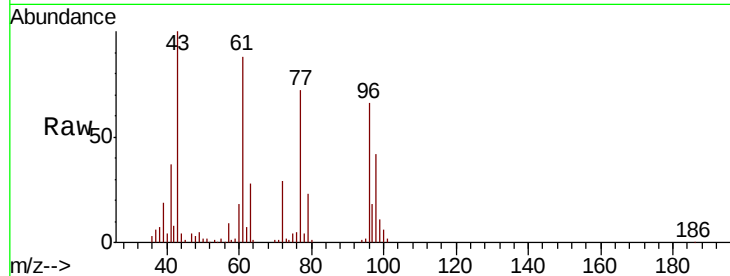
#25
2-Butanone
Concen: 95.442 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 201990
Ion Ratio Lower Upper
43 100
72 29.0 24.7 37.1

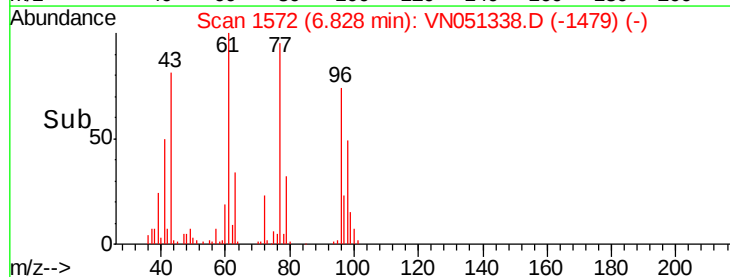
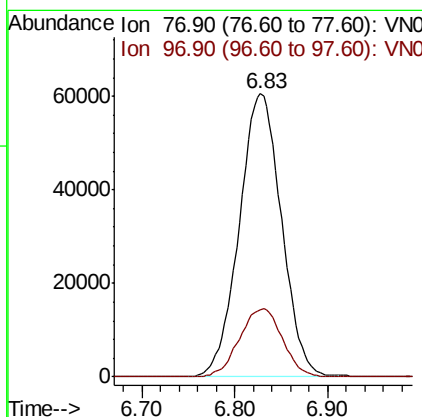
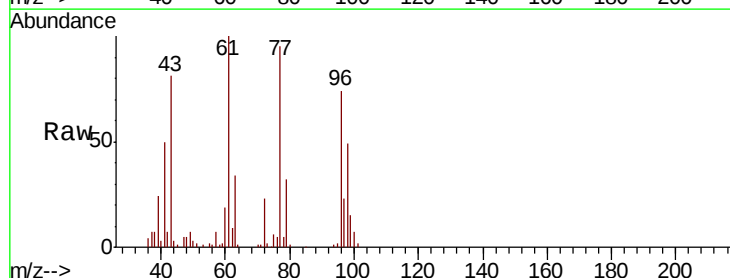
Manual Integrations
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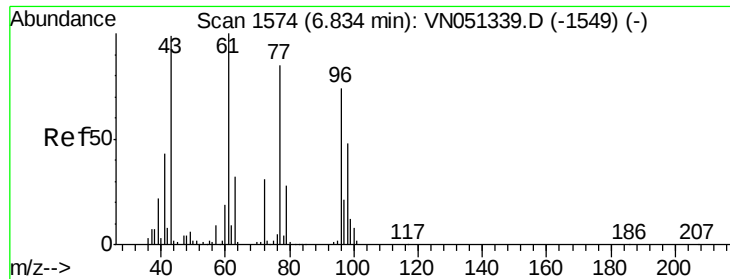
MMDadoda
9/24/2018 2:48:10 PM



#26
2,2-Dichloropropane
Concen: 19.078 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 77 Resp: 191264
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.497 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

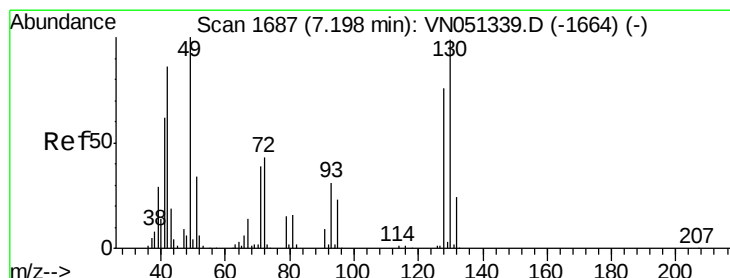
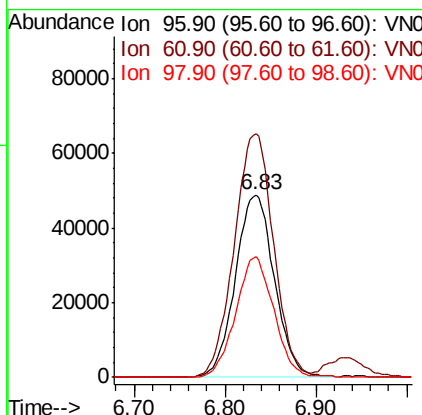
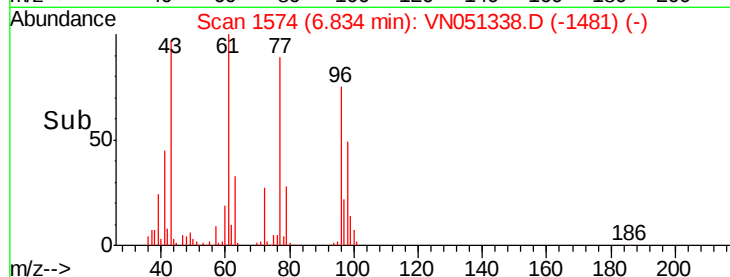
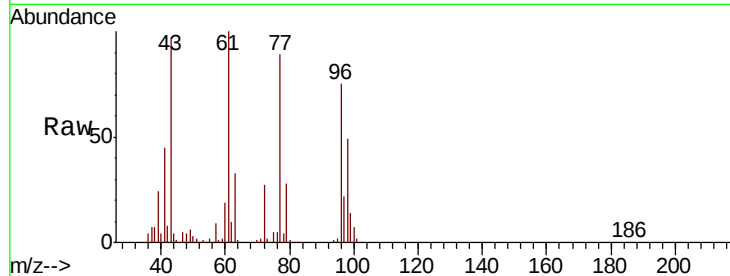
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	145869
Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	271.2
98	64.1	0.0	131.2

Manual Integrations
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#28

Bromochloromethane

Concen: 20.127 ug/l

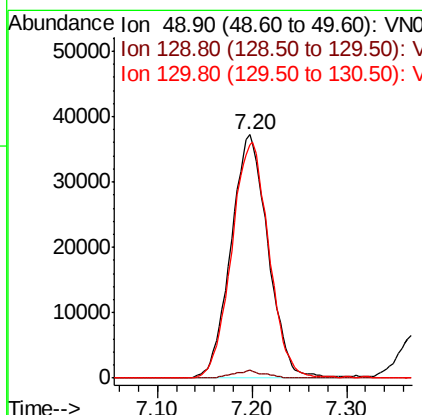
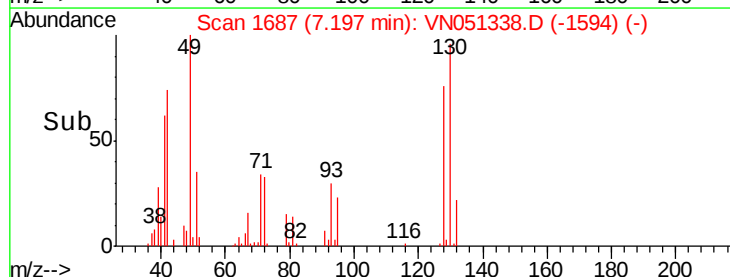
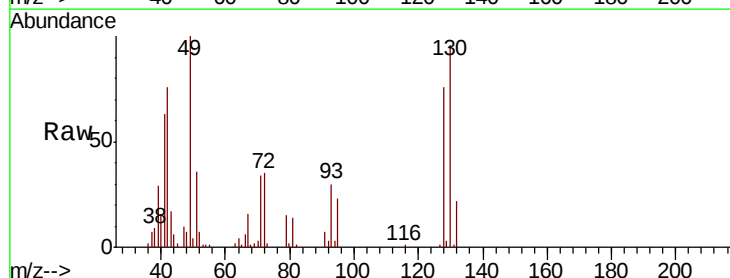
RT: 7.20 min Scan# 1687

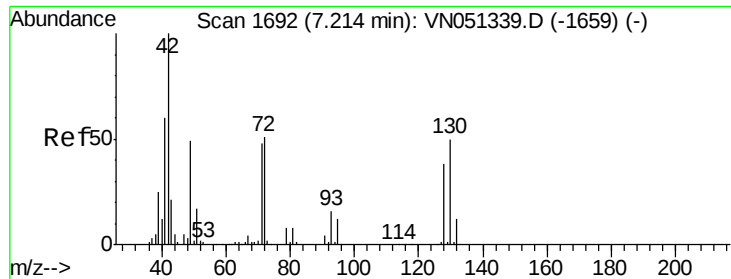
Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion:	49	Resp:	101209
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	97.6	77.4	116.2





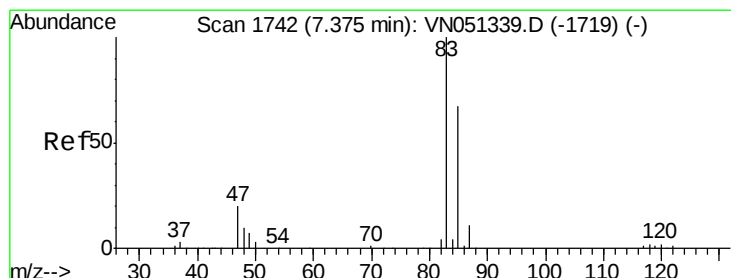
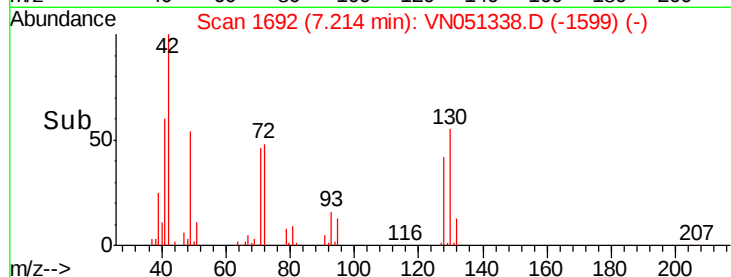
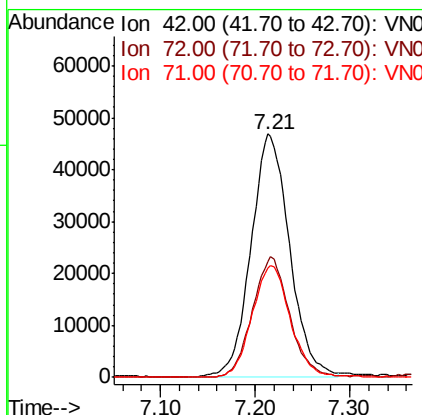
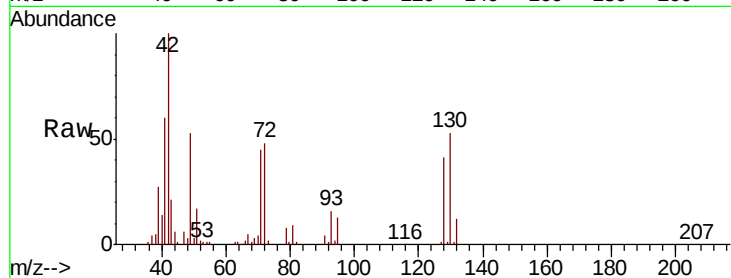
#29
Tetrahydrofuran
Concen: 99.342 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	39.0	58.4
71	45.1	36.5	54.7

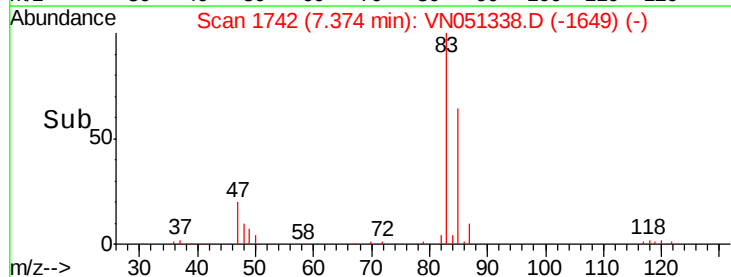
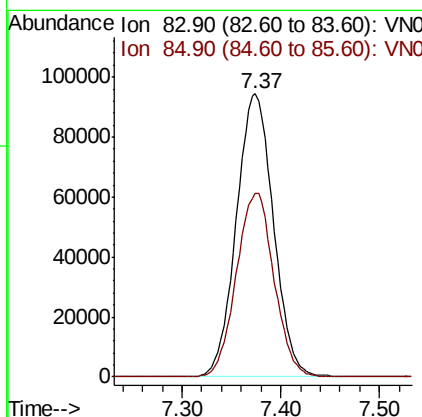
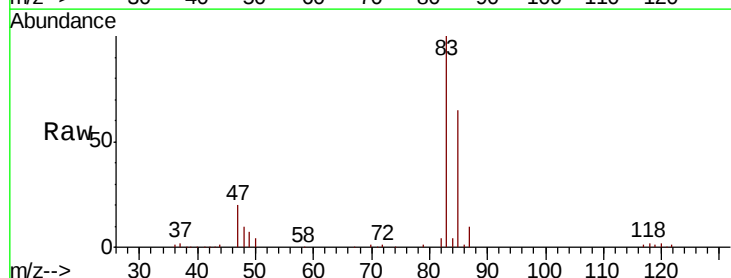
Manual Integrations
APPROVED

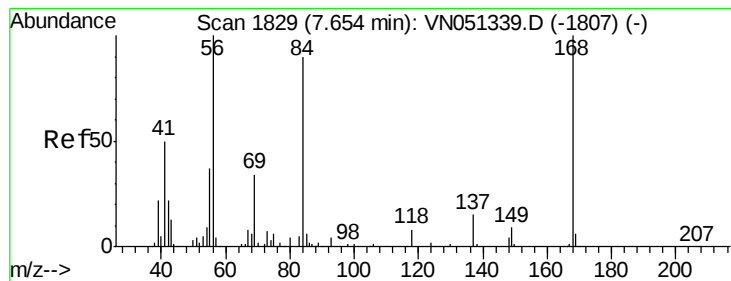
MMDadoda
9/24/2018 2:48:10 PM



#30
Chloroform
Concen: 19.317 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.2	79.8





#31

Cyclohexane

Concen: 17.197 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

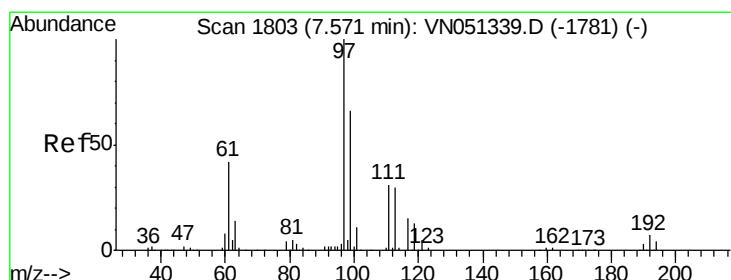
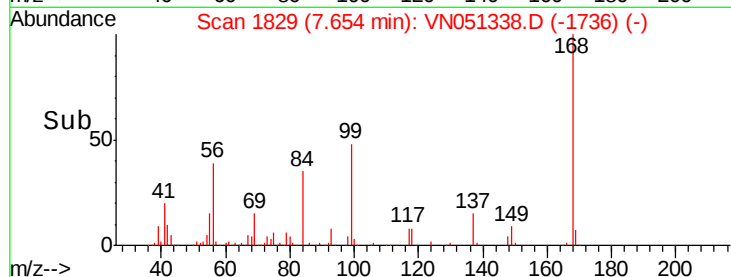
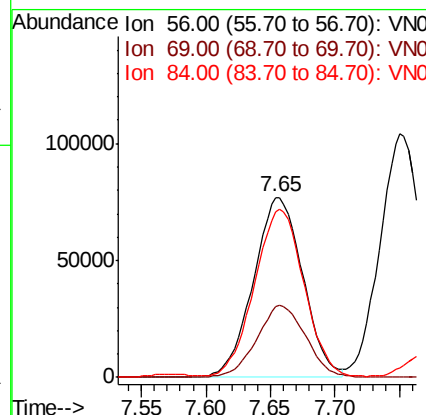
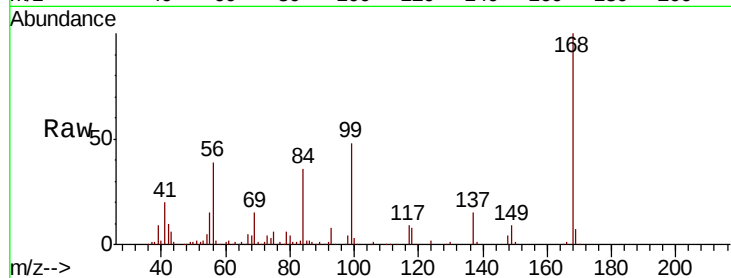
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	205284
Ion Ratio	Lower	Upper	
56	100		
69	39.1	27.3	40.9
84	90.9	72.2	108.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.523 ug/l

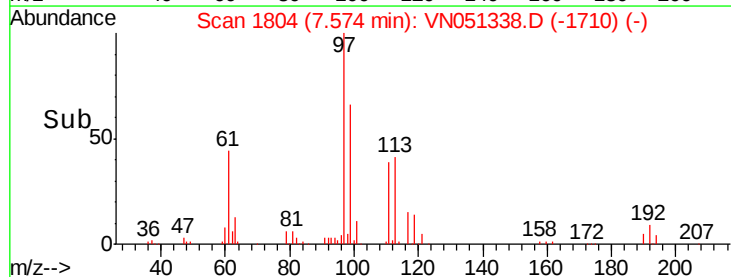
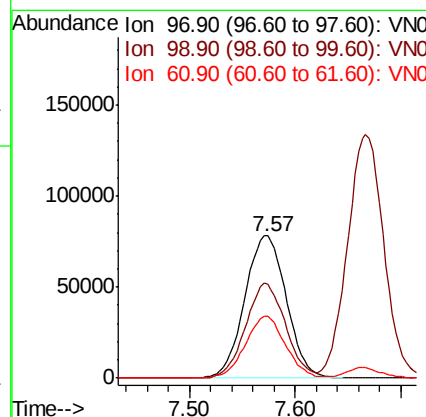
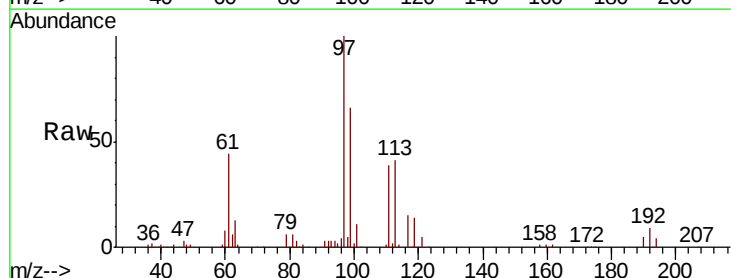
RT: 7.57 min Scan# 1804

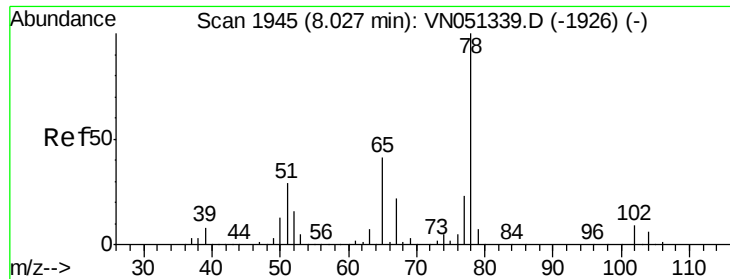
Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion:	97	Resp:	214475
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.1	76.7
61	41.9	33.2	49.8





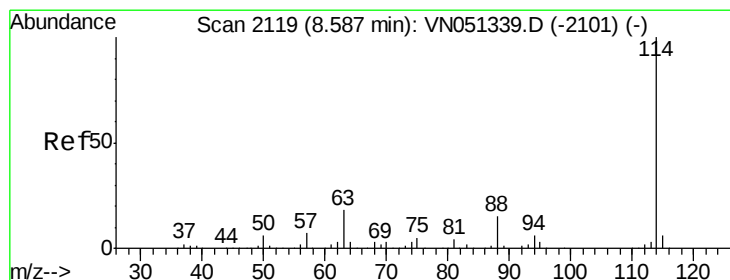
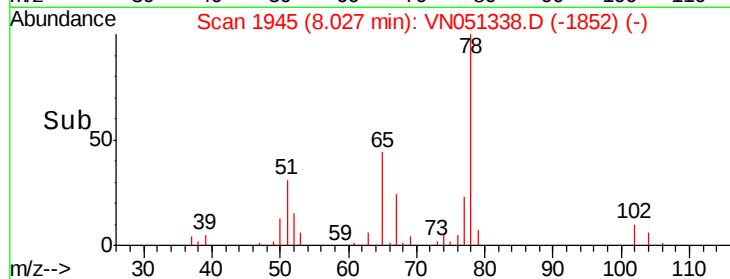
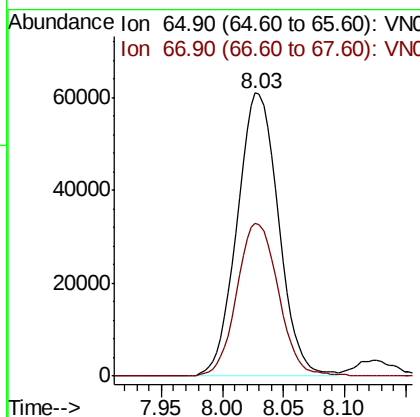
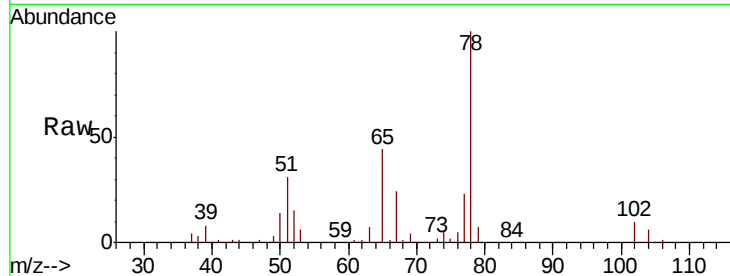
#33
 1,2-Dichloroethane-d4
 Concen: 19.354 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	108.8	

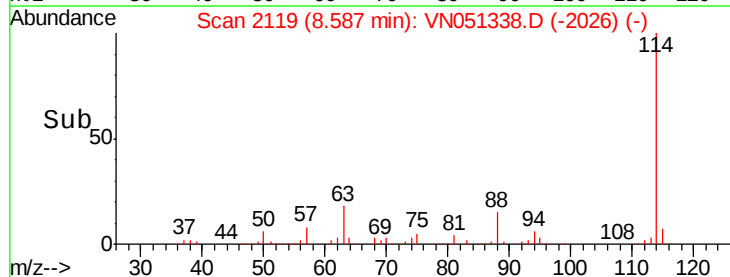
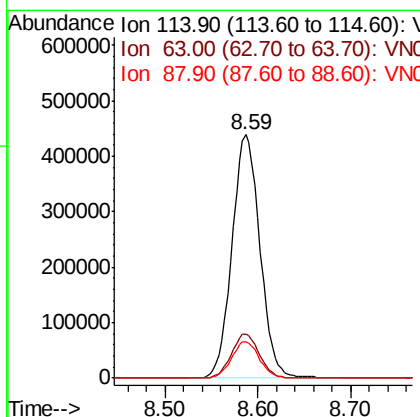
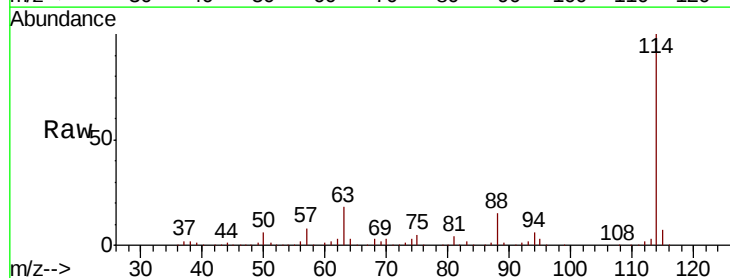
Manual Integrations
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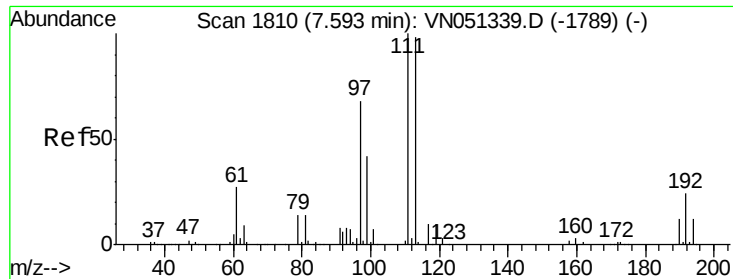
MMDadoda
 9/24/2018 2:48:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.2	0.0	36.6	
88	15.1	0.0	29.8	





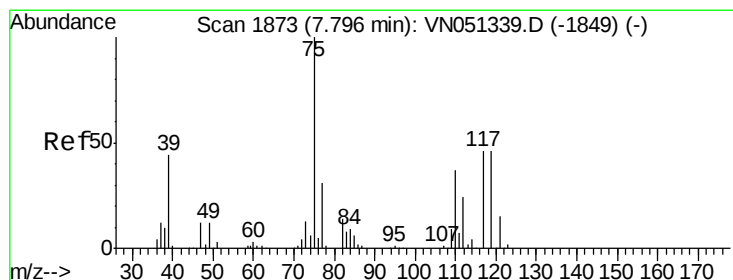
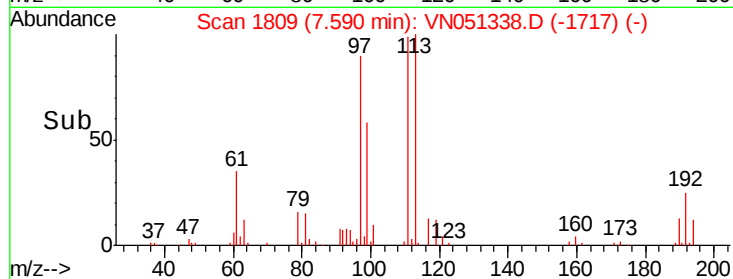
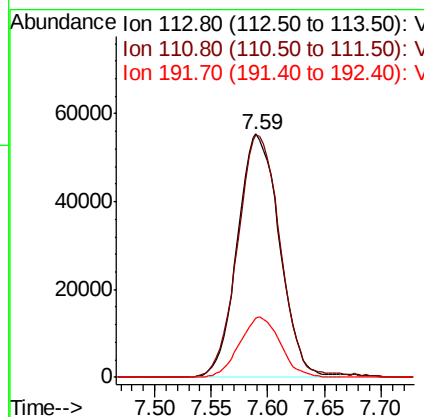
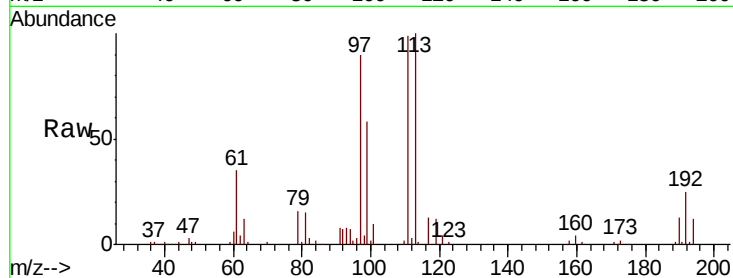
#35
 Dibromofluoromethane
 Concen: 19.336 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143334		
111	100.8	81.9	122.9	
192	24.0	19.8	29.6	

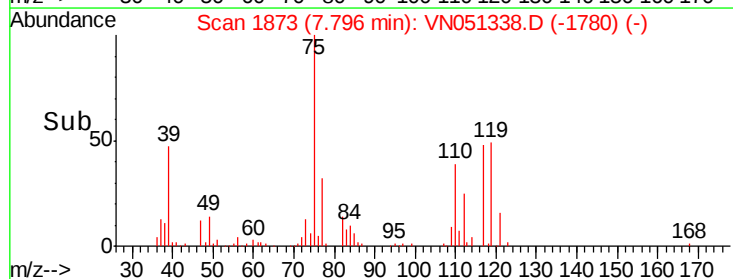
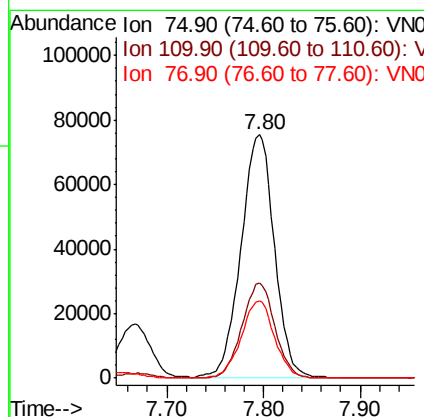
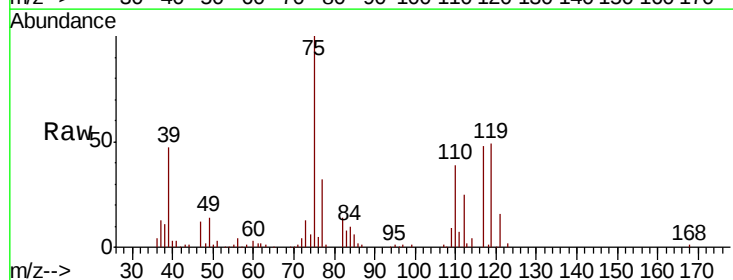
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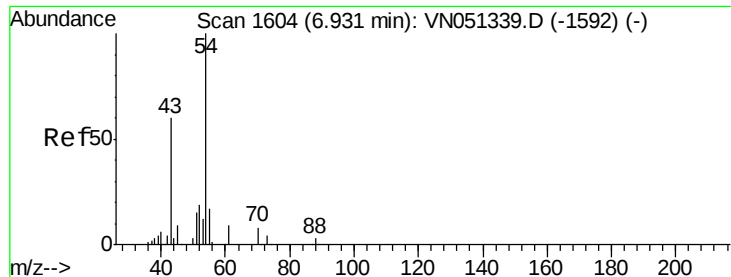
MMDadoda
 9/24/2018 2:48:10 PM



#36
 1,1-Dichloropropene
 Concen: 19.224 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180372		
110	38.5	18.9	56.5	
77	32.0	25.4	38.2	





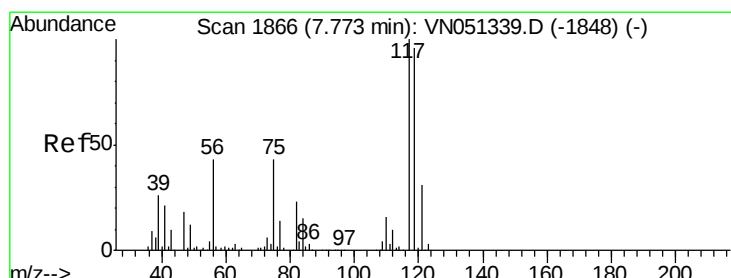
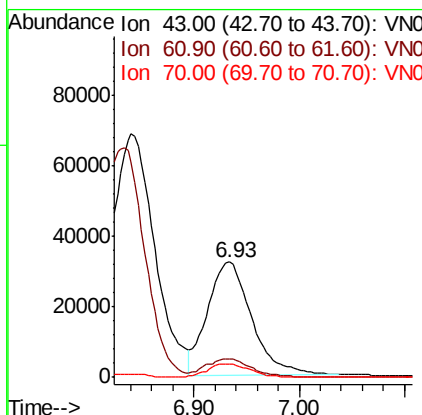
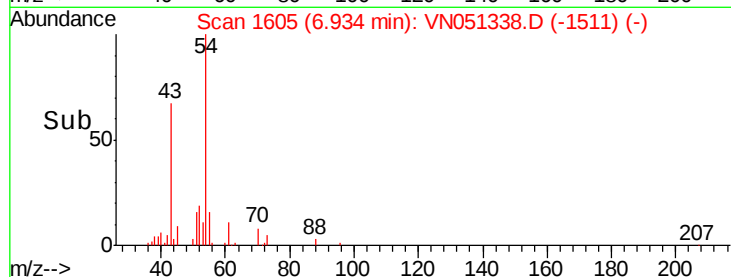
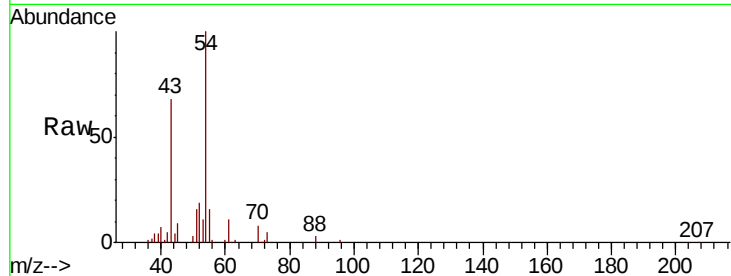
#37
Ethyl Acetate
Concen: 20.102 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.6	20.4
70	11.6	9.4	14.2

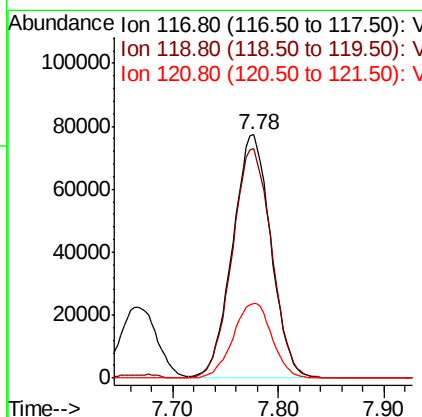
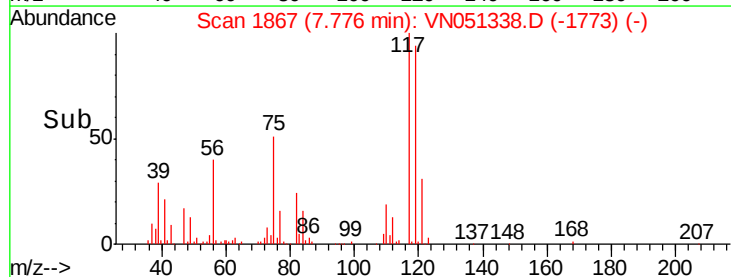
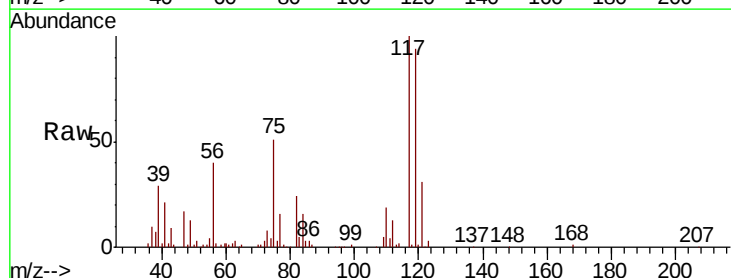
Manual Integrations
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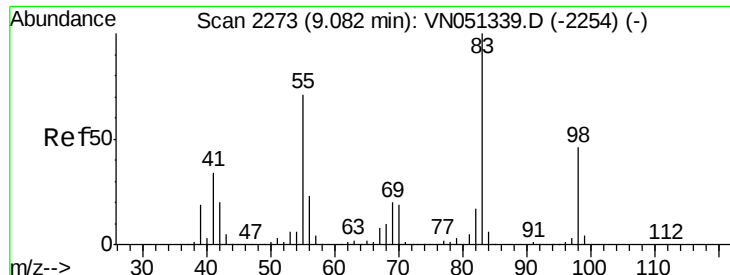
MMDadoda
9/24/2018 2:48:10 PM



#38
Carbon Tetrachloride
Concen: 19.241 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.0	115.4
121	30.9	25.0	37.4





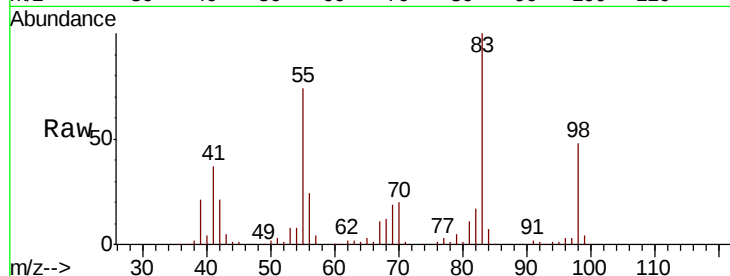
#39
Methvlcvclohexane
Concen: 18.936 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

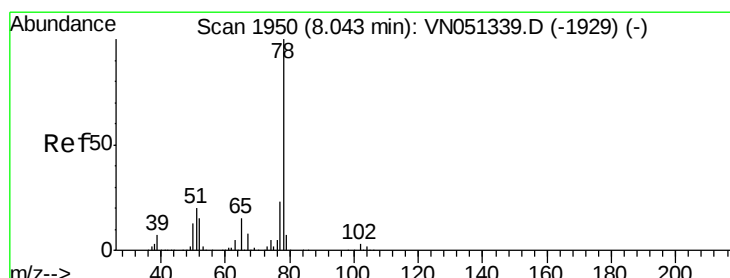
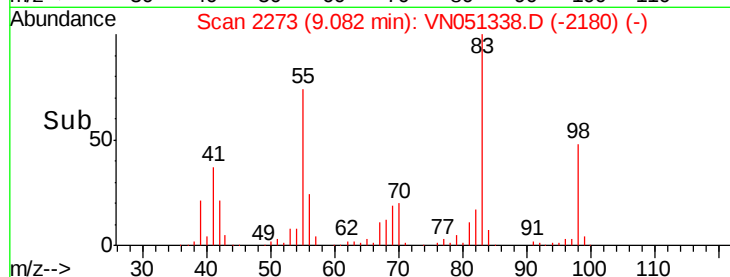
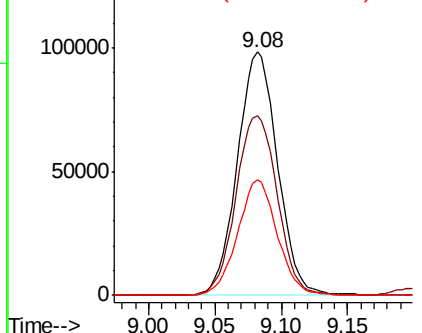
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	56.5	84.7
98	47.7	36.7	55.1

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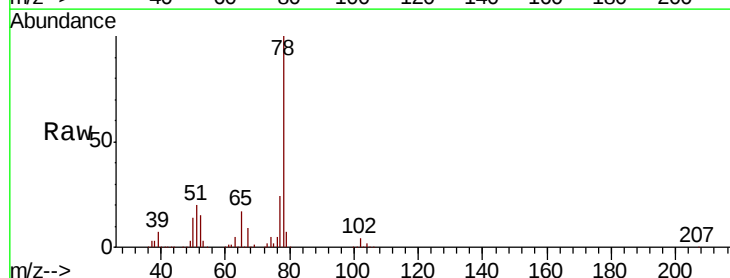


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

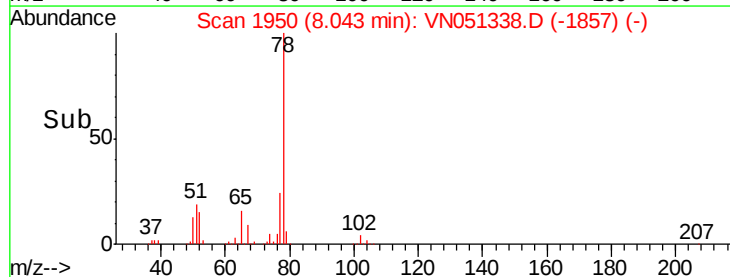
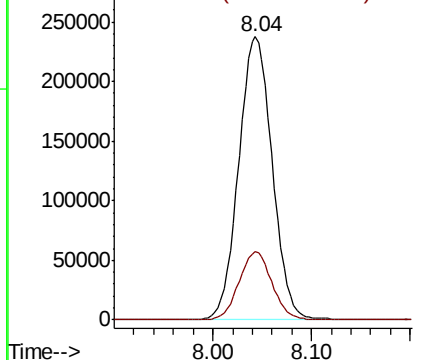


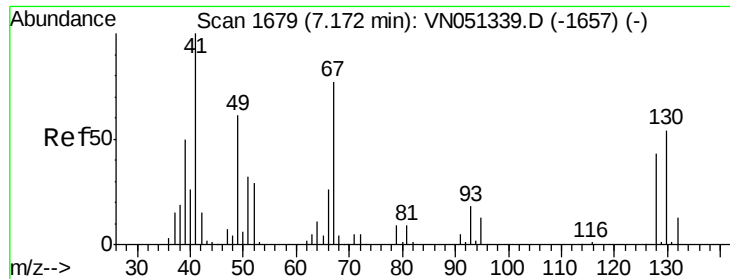
#40
Benzene
Concen: 19.779 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





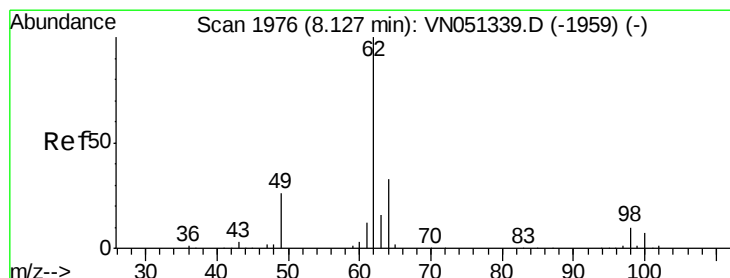
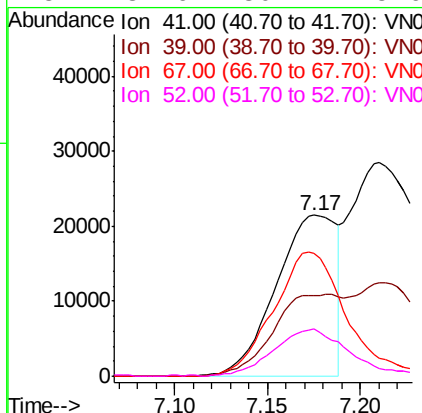
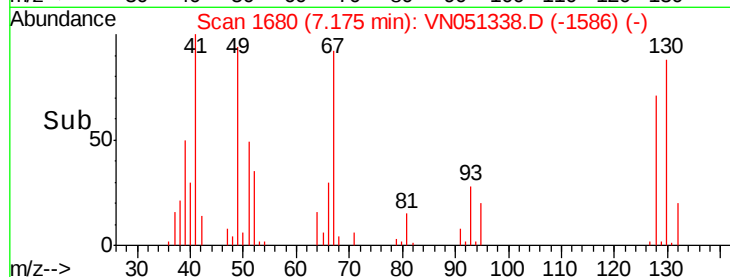
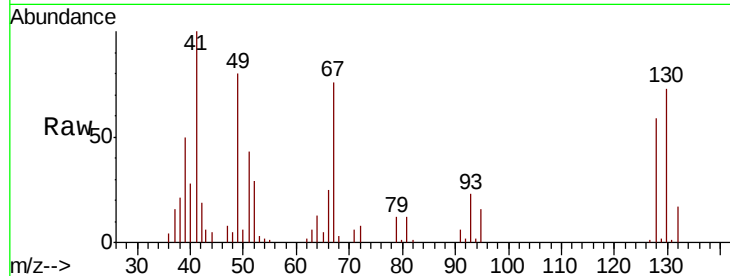
#41
Methacrylonitrile
Concen: 20.192 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	36.3	51.3	76.9	
67	93.4	77.0	115.4	
52	37.6	30.4	45.6	

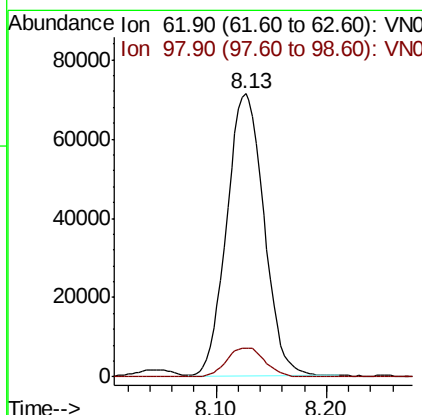
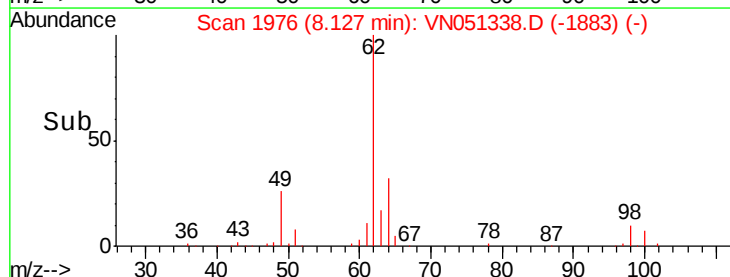
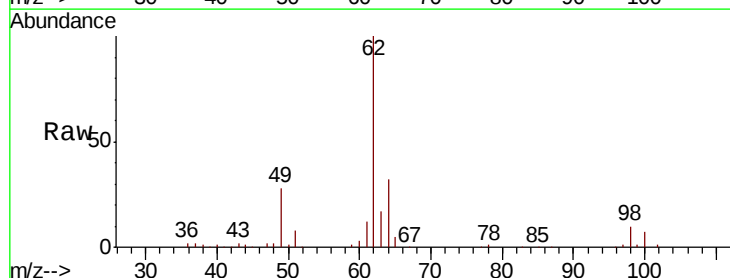
Manual Integrations
APPROVED

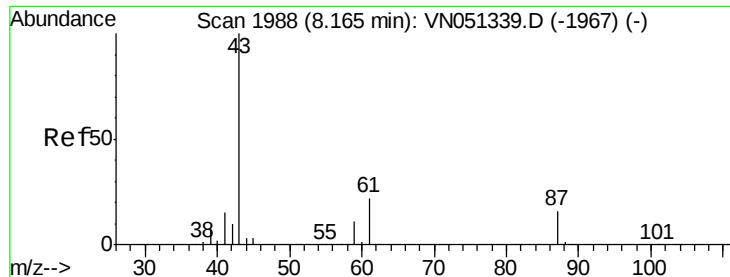
MMDadoda
9/24/2018 2:48:10 PM



#42
1,2-Dichloroethane
Concen: 19.594 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.569 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

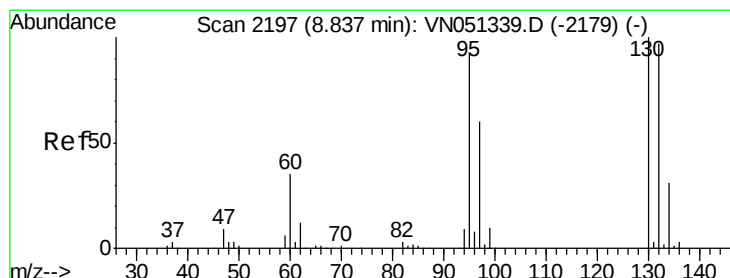
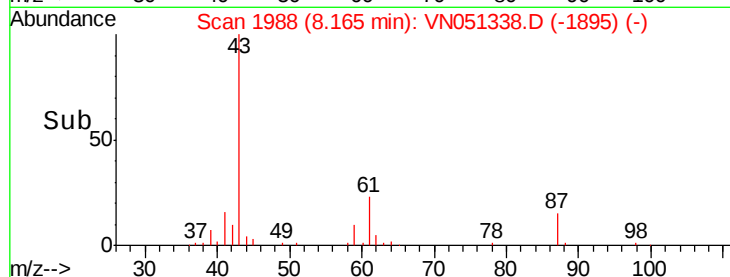
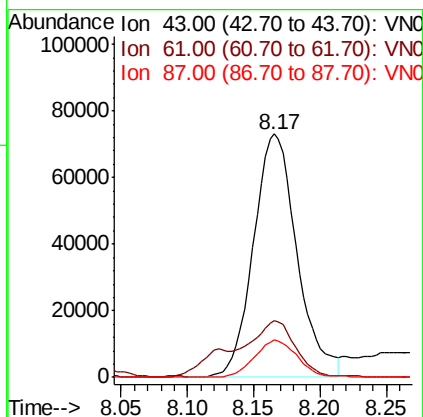
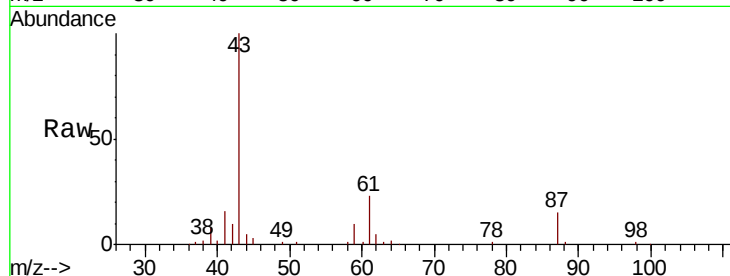
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	167326
Ion	Ratio	Lower	Upper
43	100		
61	21.0	18.1	27.1
87	15.1	12.8	19.2

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#44

Trichloroethene

Concen: 19.170 ug/l

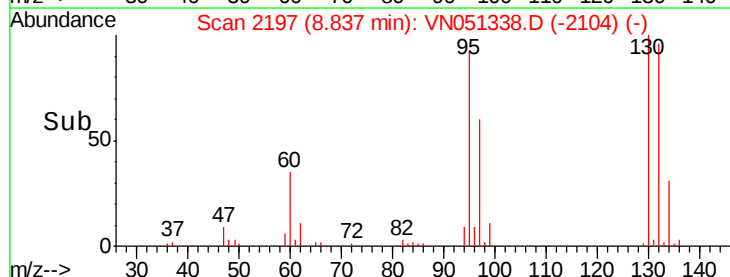
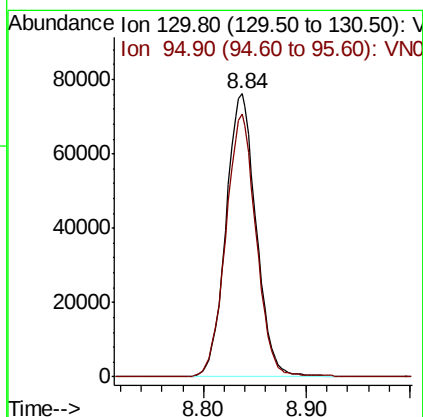
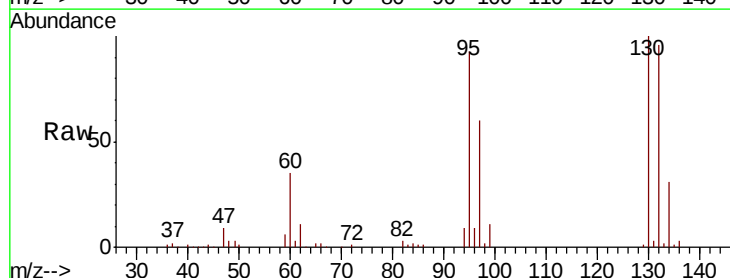
RT: 8.84 min Scan# 2197

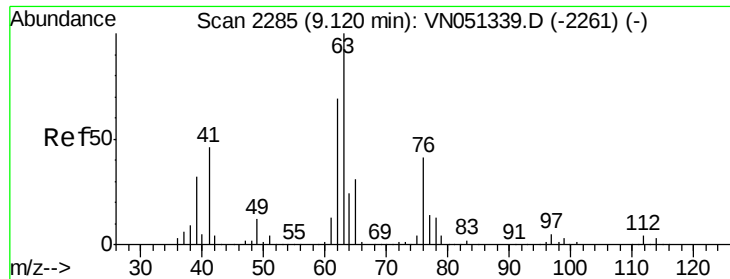
Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion:	130	Resp:	155580
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	185.6





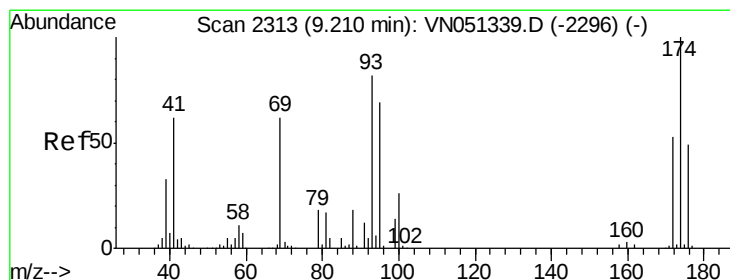
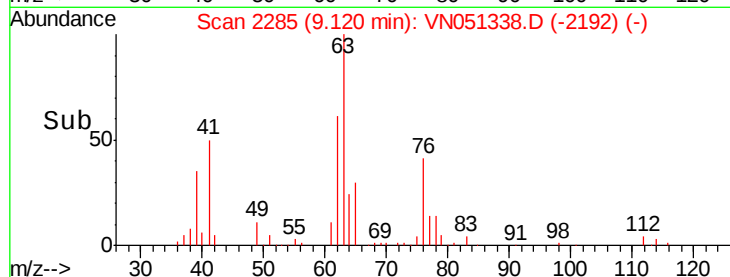
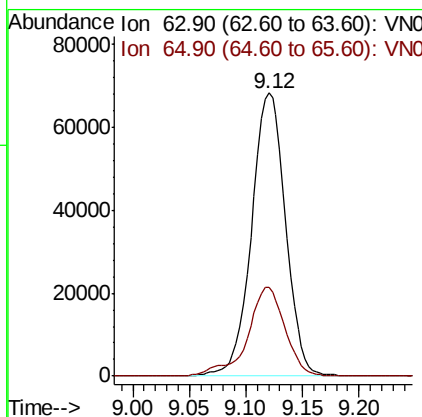
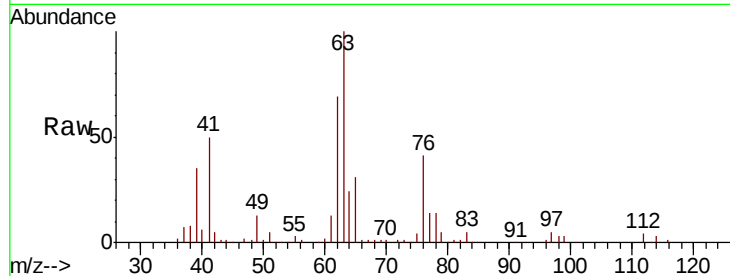
#45
 1,2-Dichloropropane
 Concen: 19.725 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 142697
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

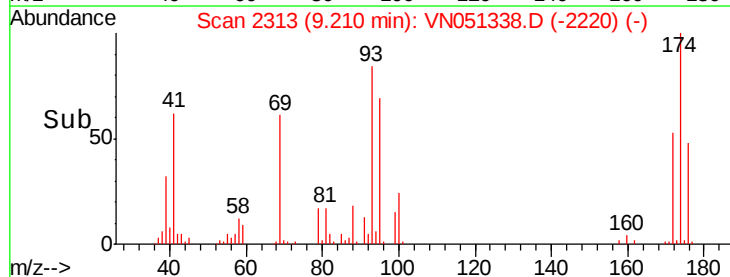
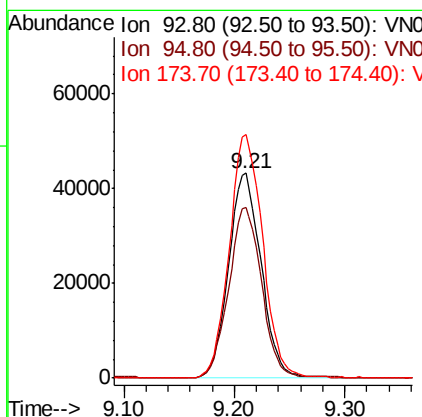
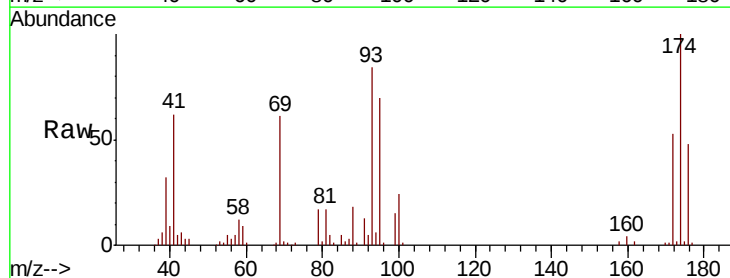
Manual Integrations
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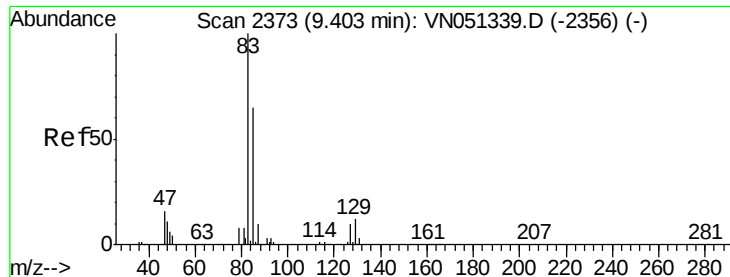
MMDadoda
 9/24/2018 2:48:10 PM



#46
 Dibromomethane
 Concen: 19.896 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion: 93 Resp: 88729
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.6 101.4
 174 121.9 98.9 148.3





#47

Bromodichloromethane

Concen: 19.656 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

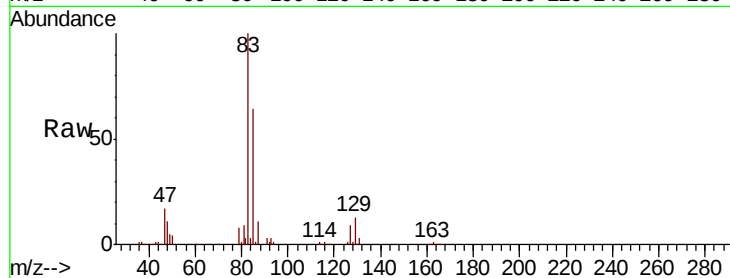
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	186983
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.6	77.4
127	9.3	7.8	11.6

Manual Integrations
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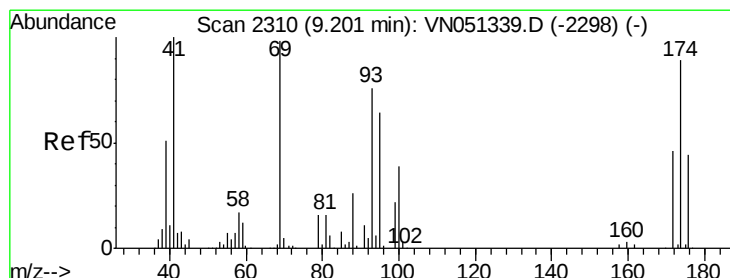
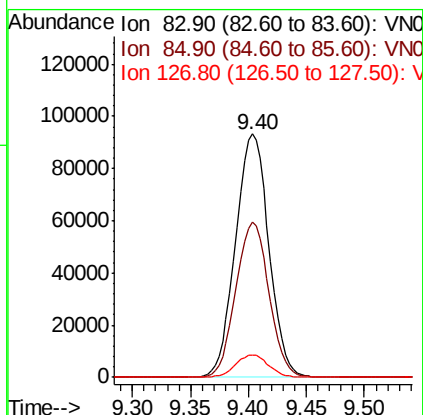
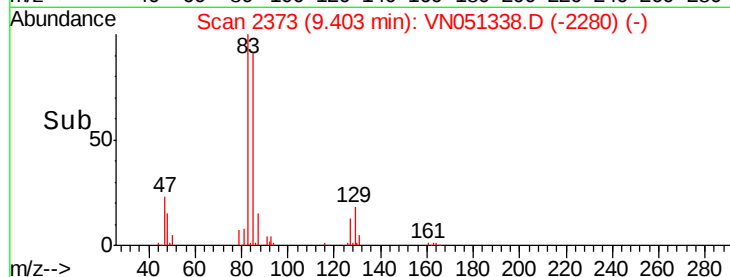
Abundance Ion 82.90 (82.60 to 83.60): VN051338.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051338.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051338.D (-2280) (-)

9.40

Time-->



#48

Methyl methacrylate

Concen: 18.498 ug/l

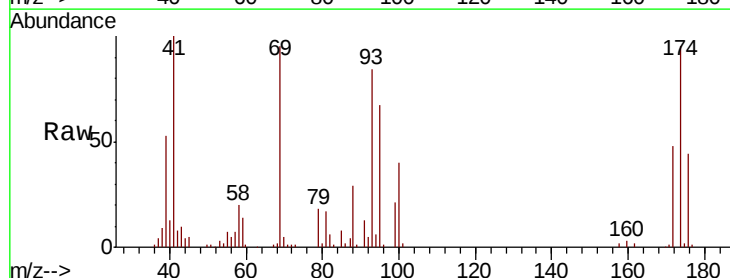
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion:	41	Resp:	76717
Ion	Ratio	Lower	Upper
41	100		
69	104.1	79.4	119.0
39	55.3	43.0	64.6



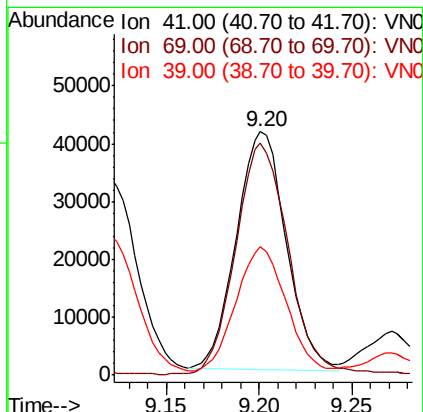
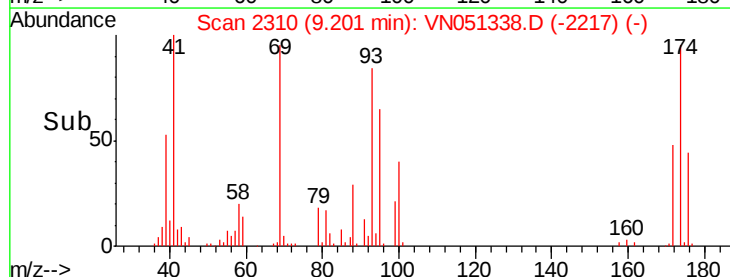
Abundance Ion 41.00 (40.70 to 41.70): VN051338.D (-2217) (-)

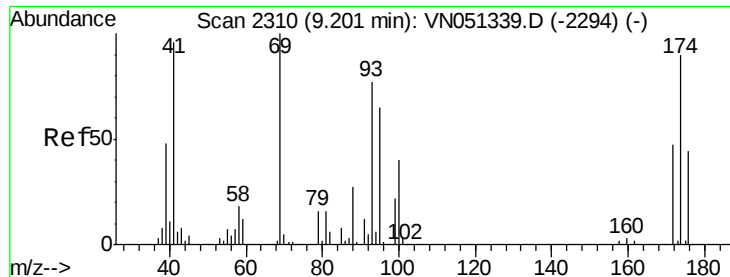
Ion 69.00 (68.70 to 69.70): VN051338.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051338.D (-2217) (-)

9.20

Time-->





#49

1,4-Dioxane

Concen: 409.578 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 88 Resp: 25120

Ion Ratio Lower Upper

88 100

43 31.3 23.5 35.3

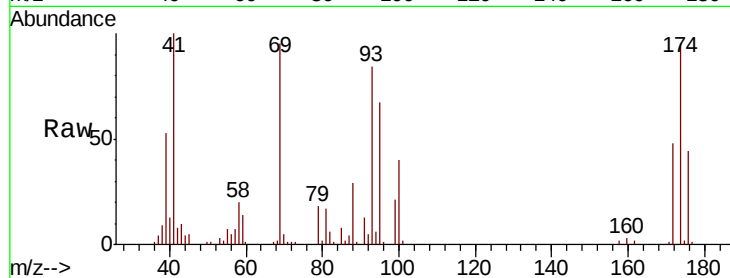
58 66.7 52.1 78.1

Manual Integrations

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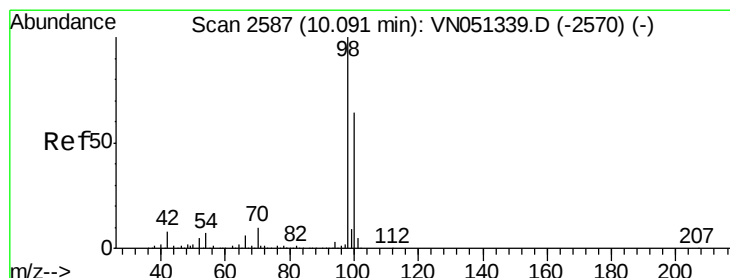
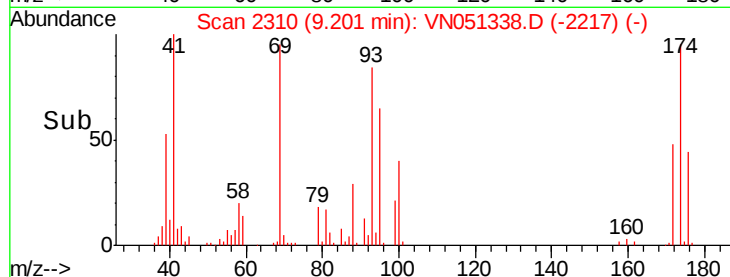
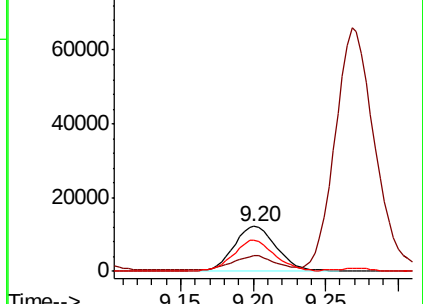
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Abundance Ion 88.00 (87.70 to 88.70): VN051338.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051338.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051338.D (-2294) (-)



#50

Toluene-d8

Concen: 19.002 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051338.D

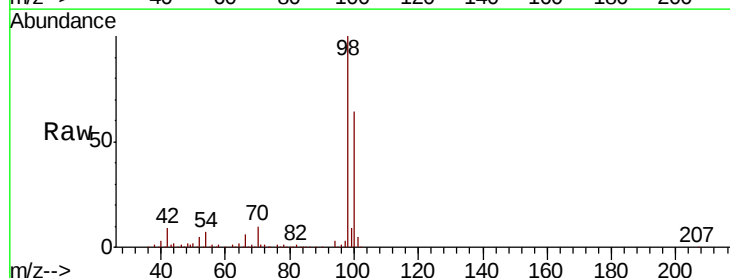
Acq: 20 Sep 2018 14:17

Tgt Ion: 98 Resp: 541492

Ion Ratio Lower Upper

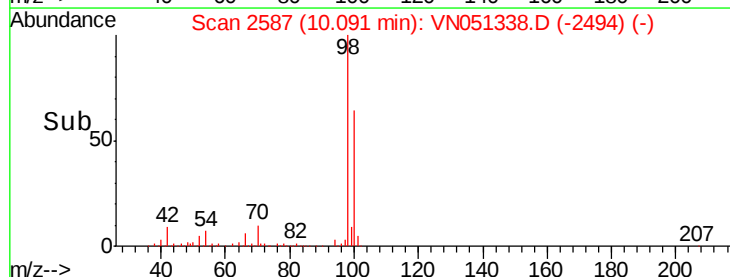
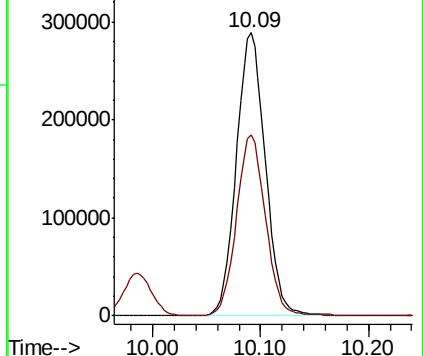
98 100

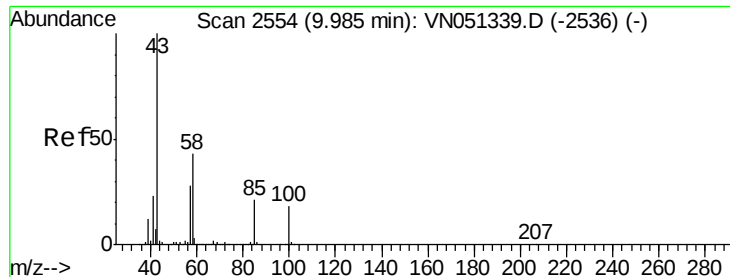
100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN051338.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051338.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.139 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 451322

Ion Ratio Lower Upper

43 100

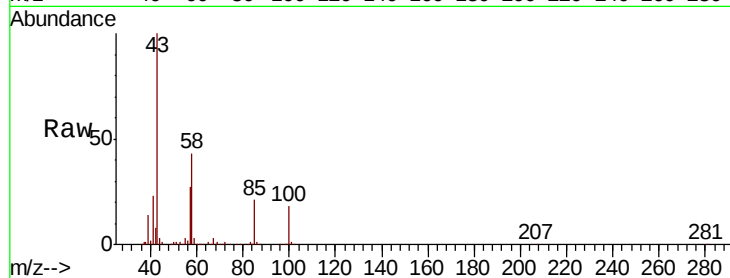
58 42.5 34.2 51.4

Manual Integrations

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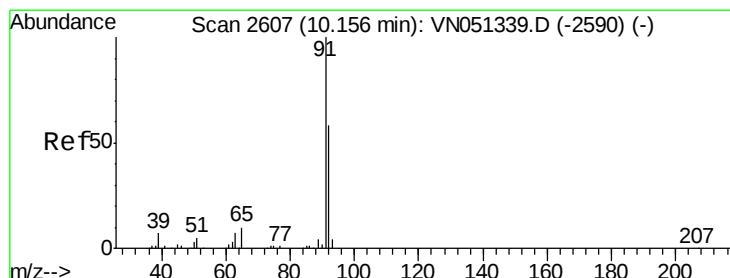
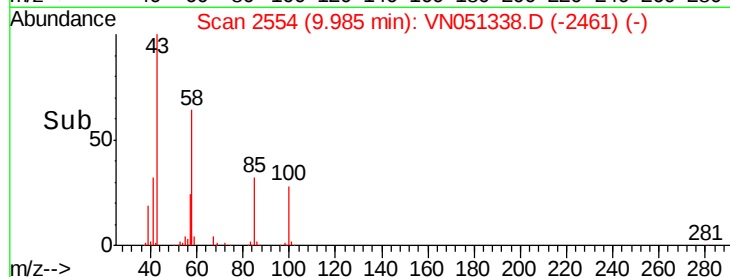
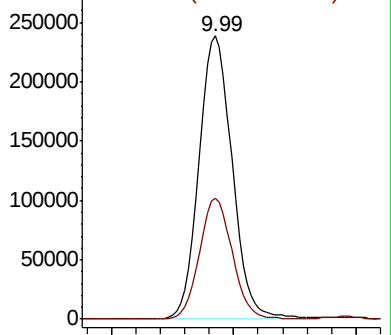
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.324 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051338.D

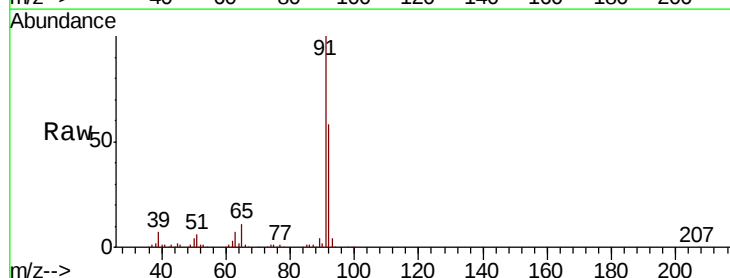
Acq: 20 Sep 2018 14:17

Tgt Ion: 92 Resp: 353804

Ion Ratio Lower Upper

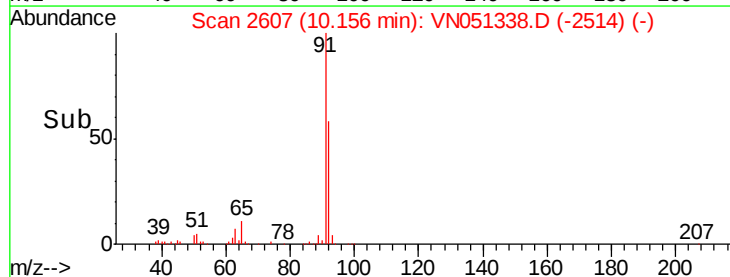
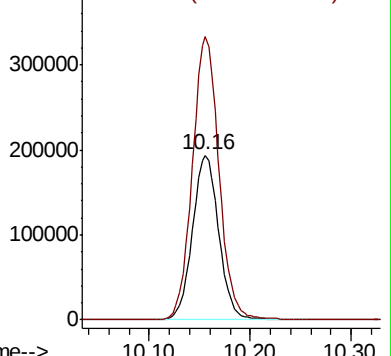
92 100

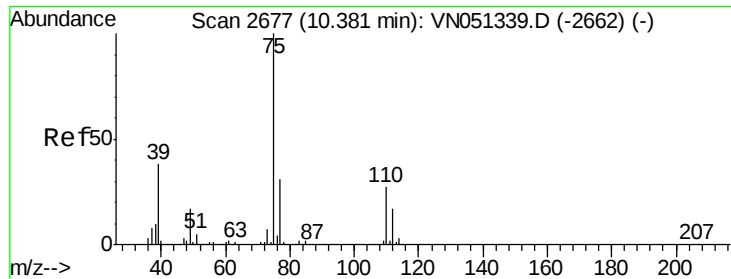
91 174.0 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





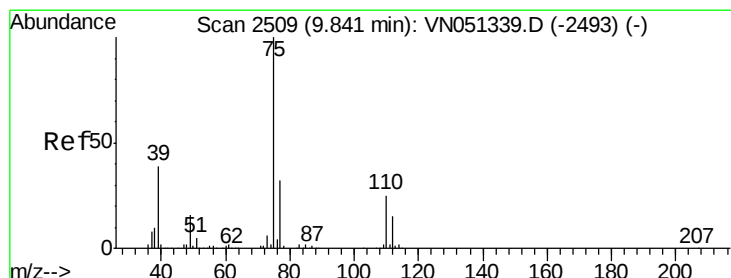
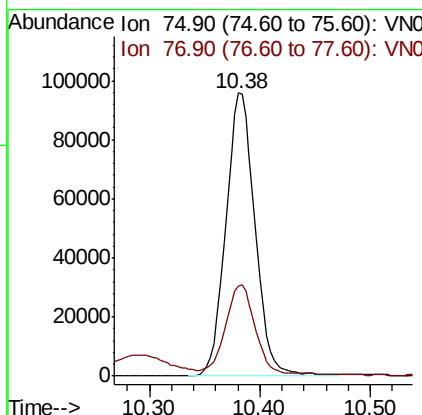
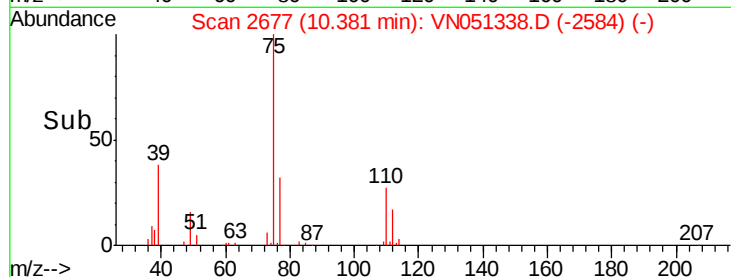
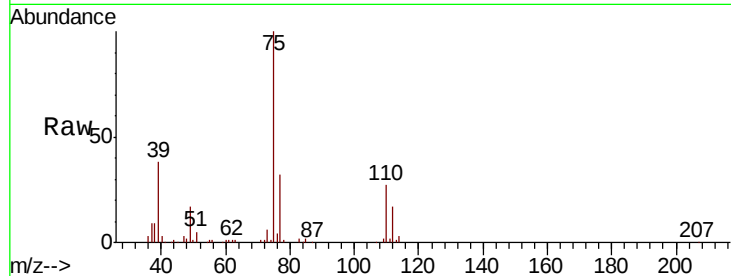
#53
t-1,3-Dichloropropene
Concen: 19.234 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 175669
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3

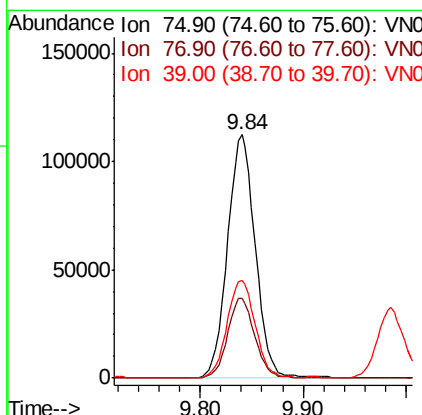
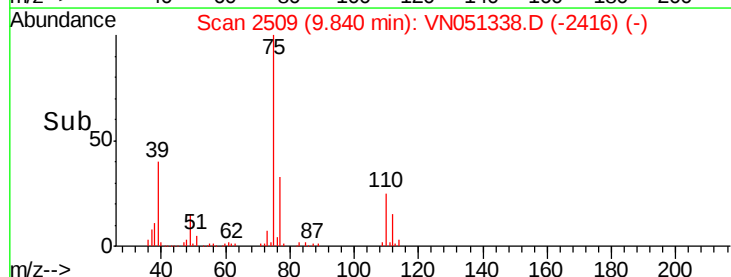
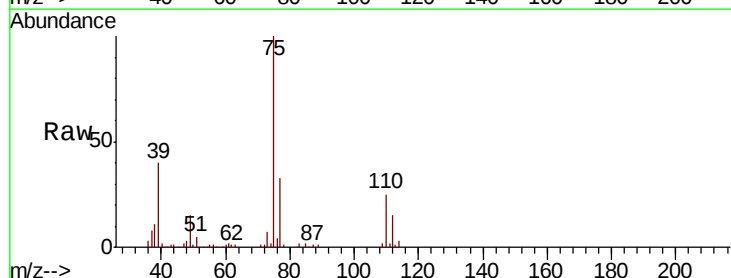
Manual Integrations
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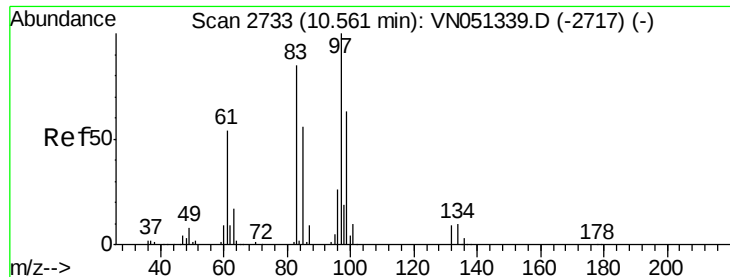
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#54
cis-1,3-Dichloropropene
Concen: 19.917 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 75 Resp: 210633
Ion Ratio Lower Upper
75 100
77 32.7 25.2 37.8
39 40.2 31.0 46.4





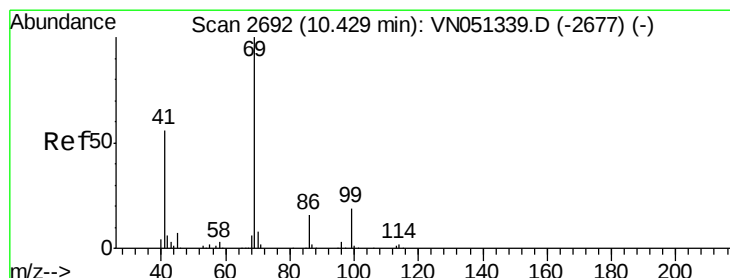
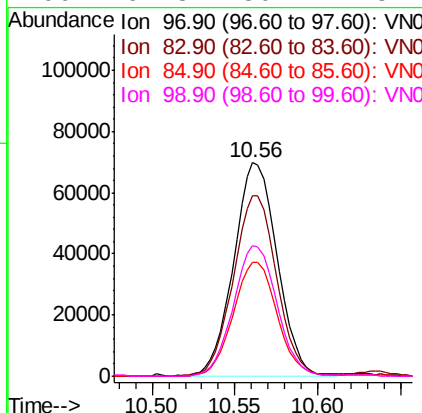
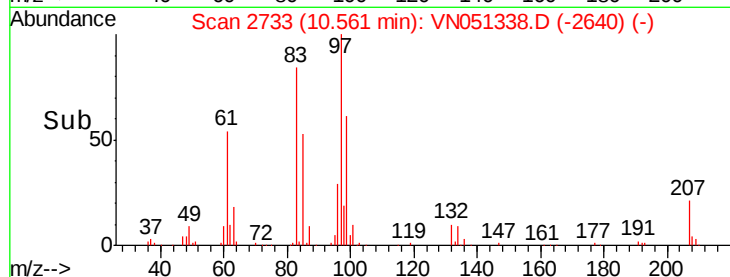
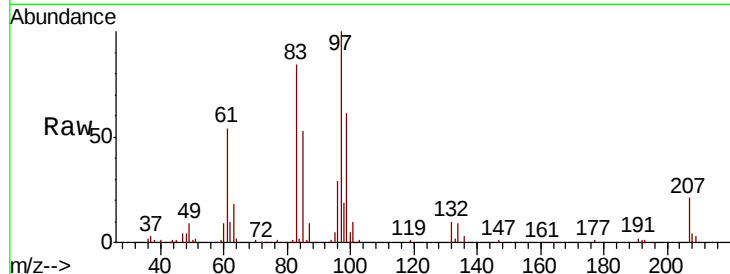
#55
 1,1,2-Trichloroethane
 Concen: 19.513 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	127416
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.1	102.1
85	53.1	44.6	66.8
99	61.3	50.2	75.4

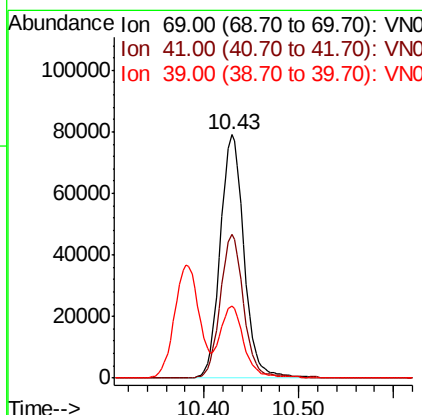
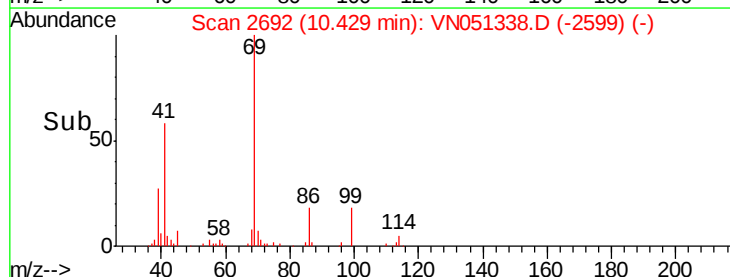
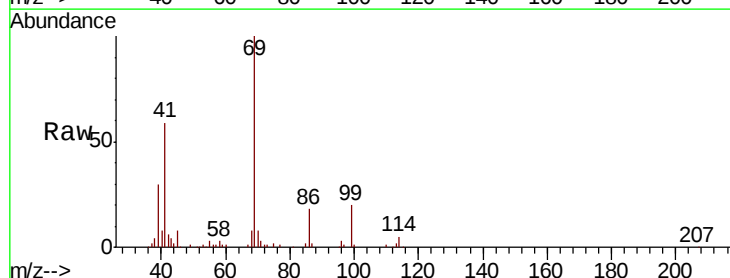
Manual Integrations
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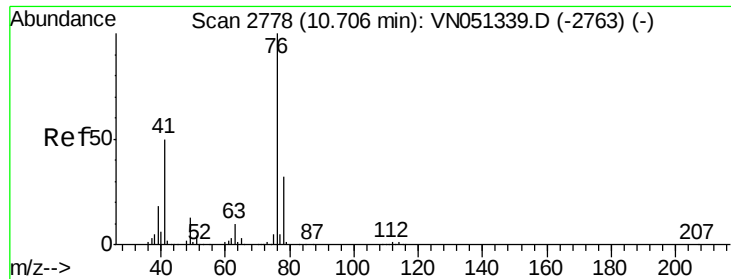
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.025 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion:	69	Resp:	138109
Ion	Ratio	Lower	Upper
69	100		
41	57.0	45.1	67.7
39	30.4	23.4	35.2





#57

1,3-Dichloropropane

Concen: 19.773 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 203373

Ion Ratio Lower Upper

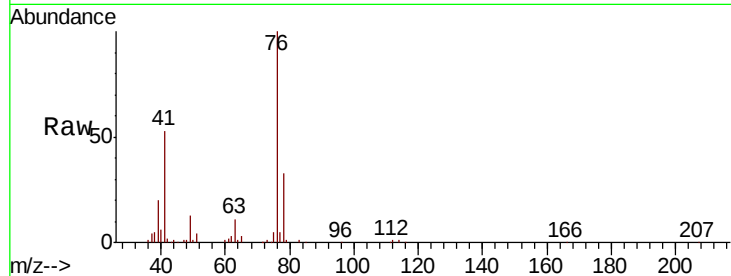
76 100

78 32.3 25.7 38.5

Manual Integrations
APPROVED

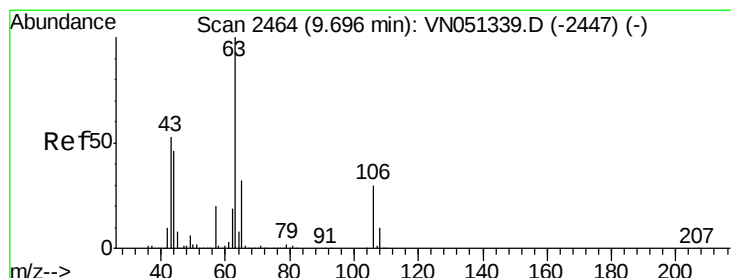
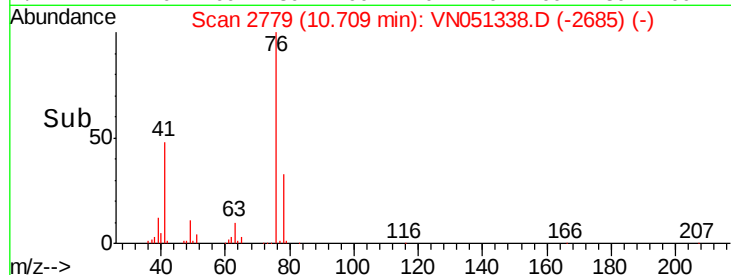
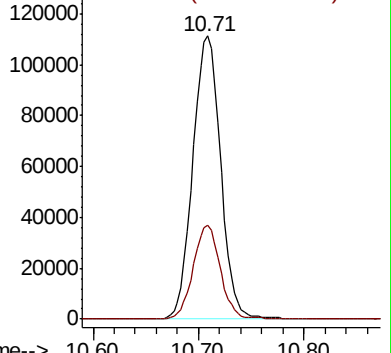
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.124 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051338.D

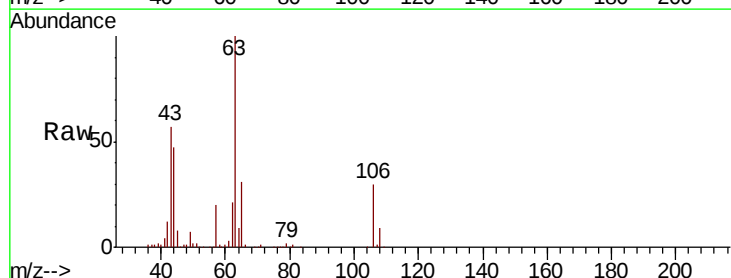
Acq: 20 Sep 2018 14:17

Tgt Ion: 63 Resp: 353089

Ion Ratio Lower Upper

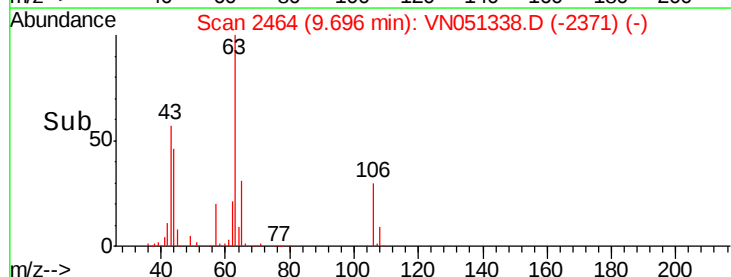
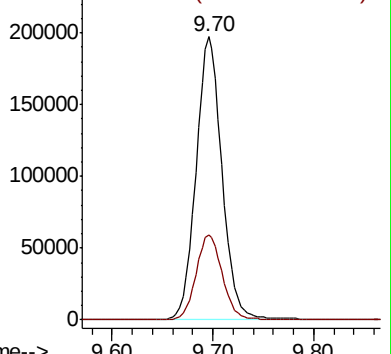
63 100

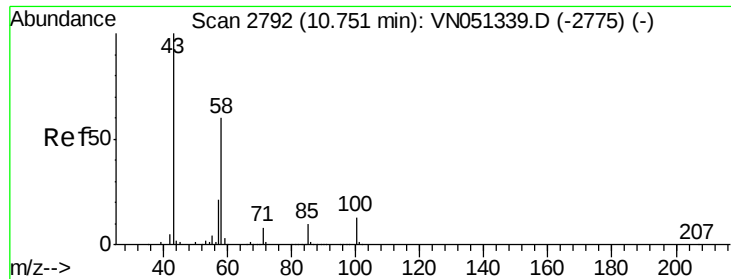
106 30.4 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





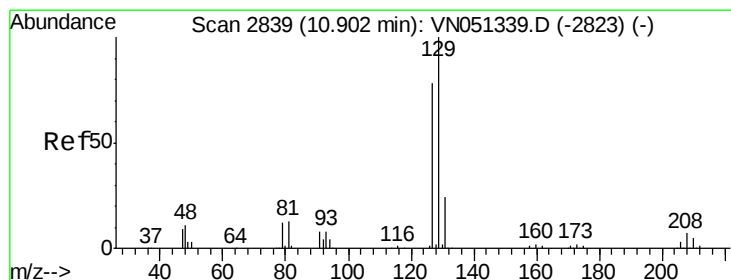
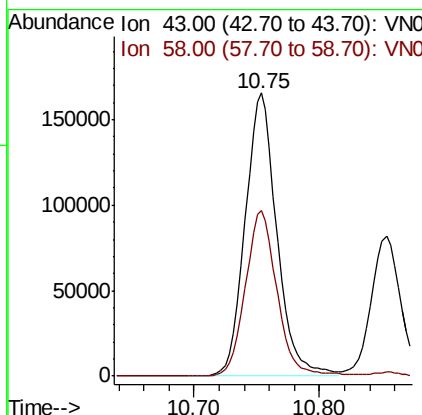
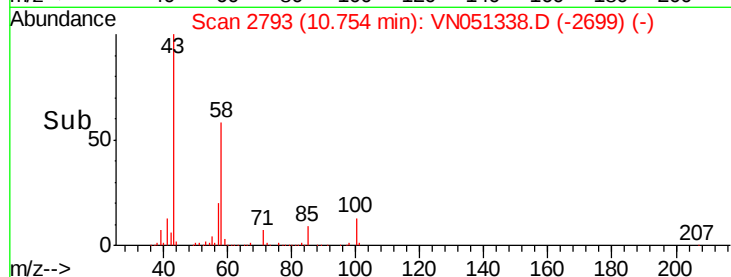
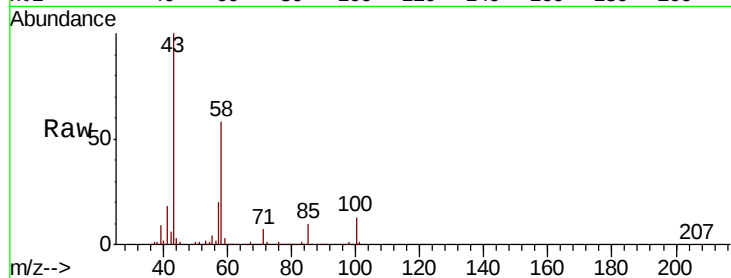
#59
2-Hexanone
Concen: 98.308 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 290023
Ion Ratio Lower Upper
43 100
58 58.6 29.9 89.8

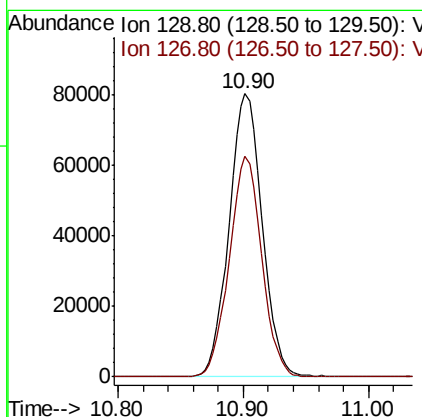
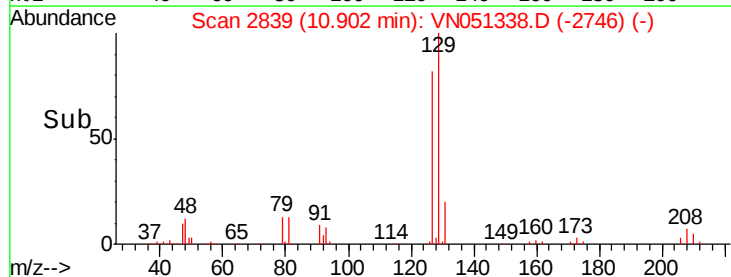
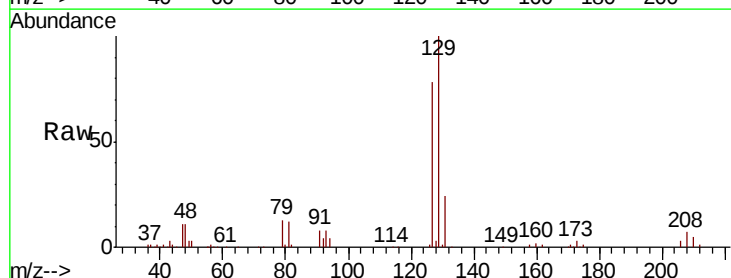
Manual Integrations
APPROVED

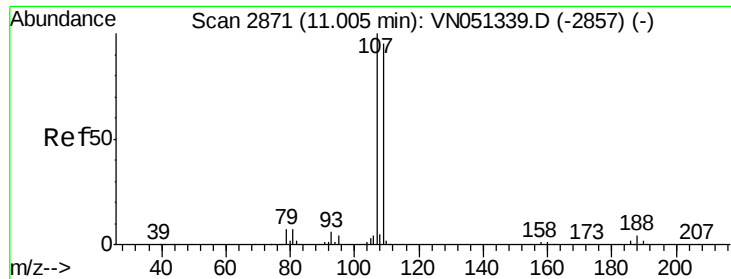
MMDadoda
9/24/2018 2:48:10 PM



#60
Dibromochloromethane
Concen: 19.321 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 129 Resp: 147121
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.314 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 121249

Ion Ratio Lower Upper

107 100

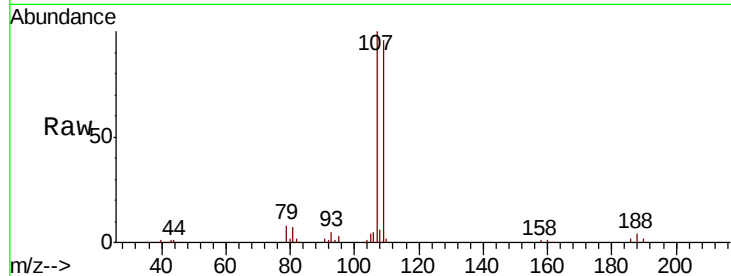
109 98.3 75.8 113.6

Manual Integrations

APPROVED

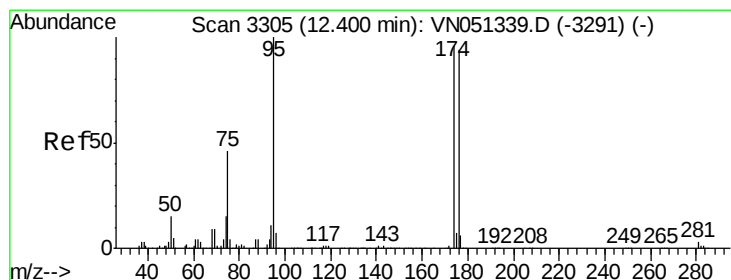
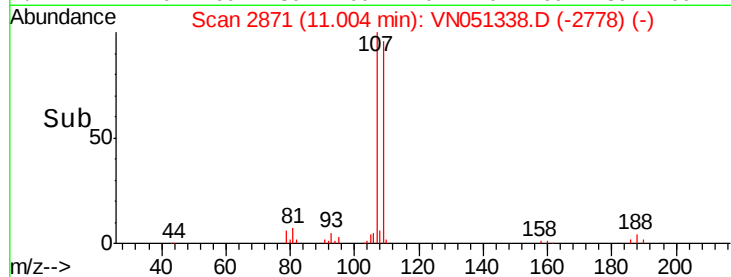
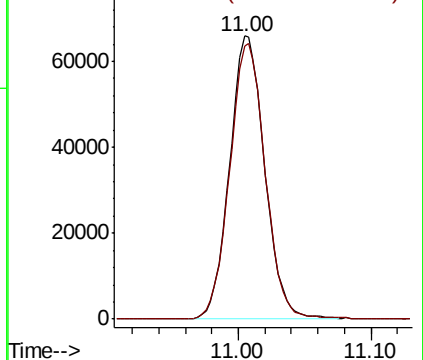
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.596 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

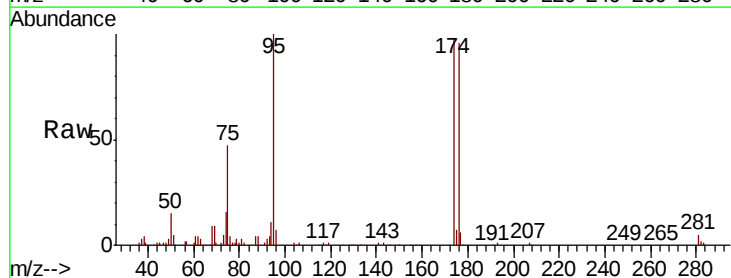
Tgt Ion: 95 Resp: 172405

Ion Ratio Lower Upper

95 100

174 98.8 0.0 194.6

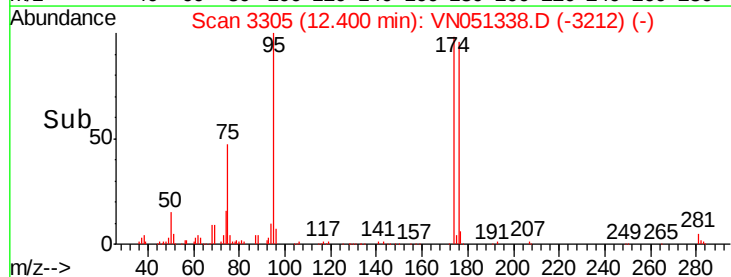
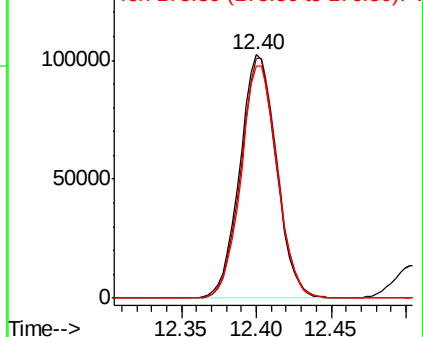
176 95.2 0.0 189.6

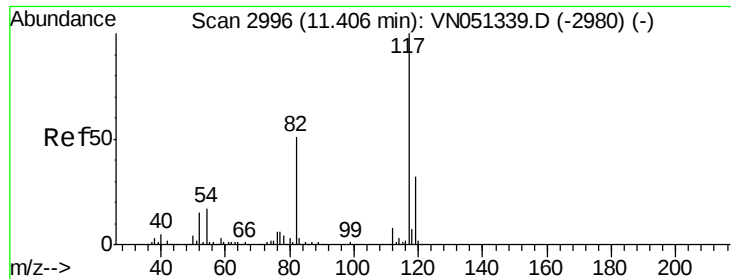


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





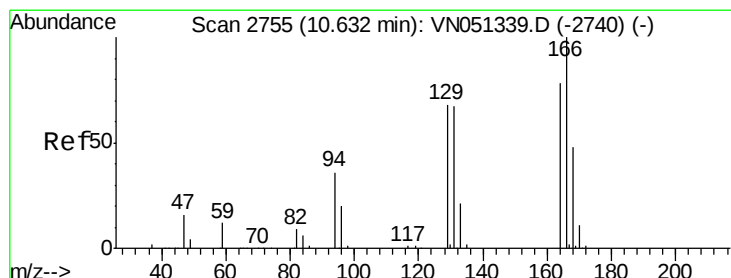
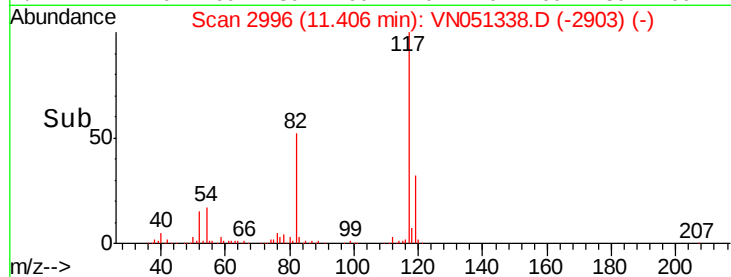
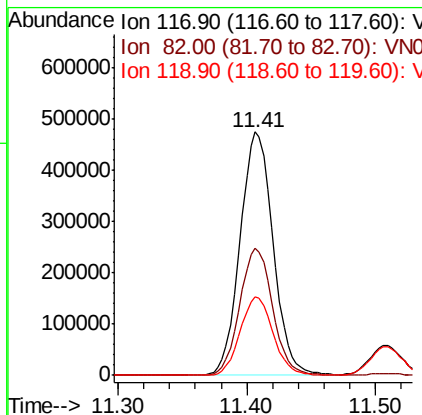
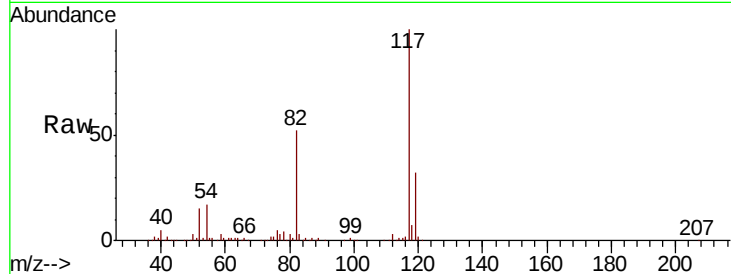
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.7	61.1
119	32.1	25.3	37.9

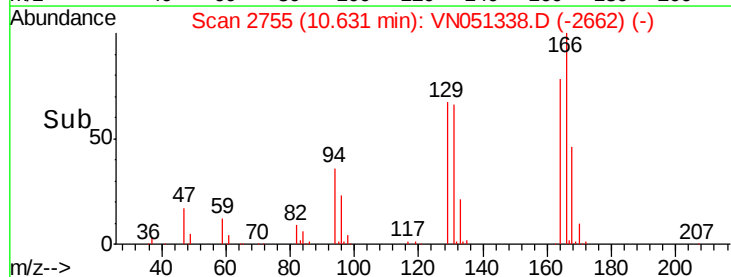
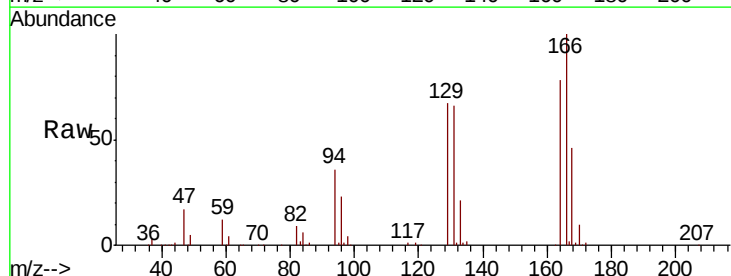
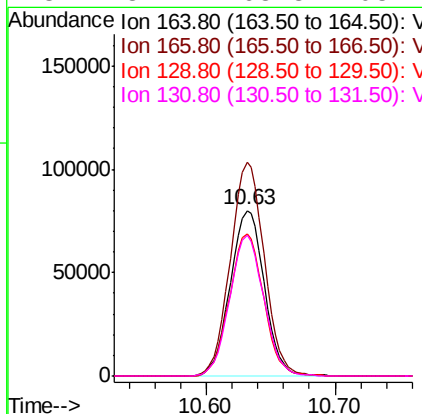
Manual Integrations
APPROVED

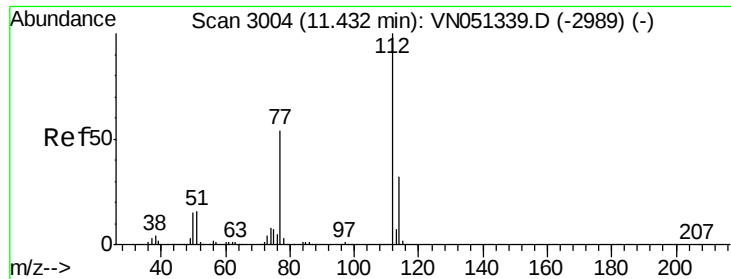
MMDadoda
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#64
Tetrachloroethene
Concen: 19.938 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.1	153.1
129	86.1	69.4	104.2
131	84.7	68.8	103.2





#65

Chlorobenzene

Concen: 19.472 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 393901

Ion Ratio Lower Upper

112 100

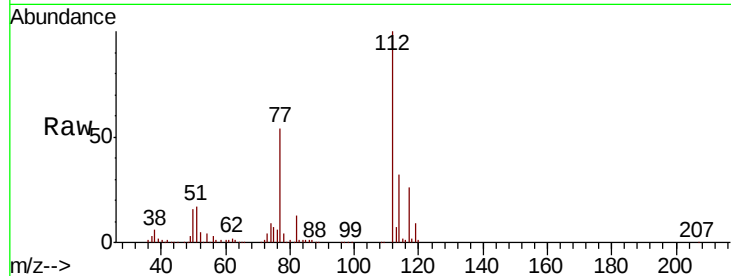
114 32.0 25.5 38.3

Manual Integrations

APPROVED

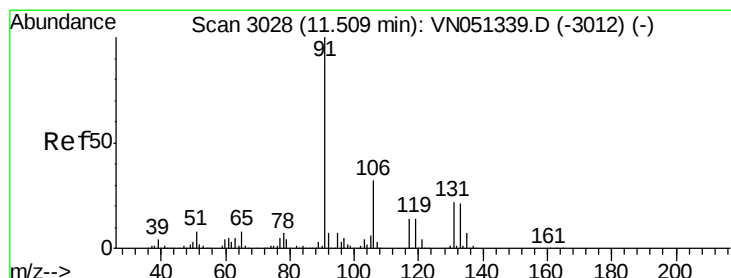
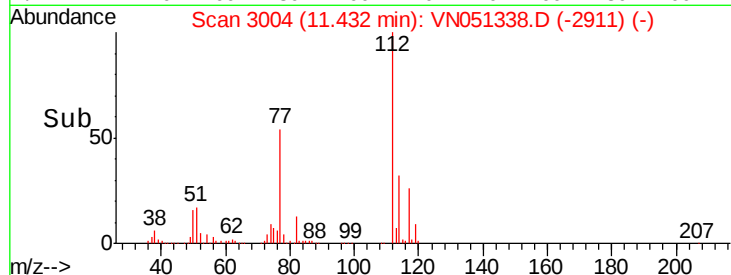
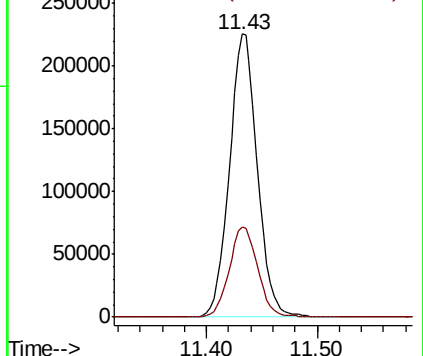
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.275 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

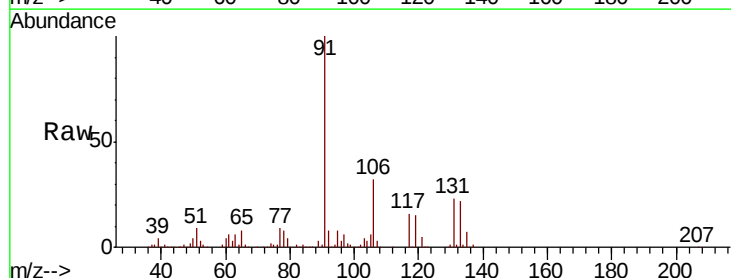
Tgt Ion:131 Resp: 148436

Ion Ratio Lower Upper

131 100

133 95.1 47.4 142.2

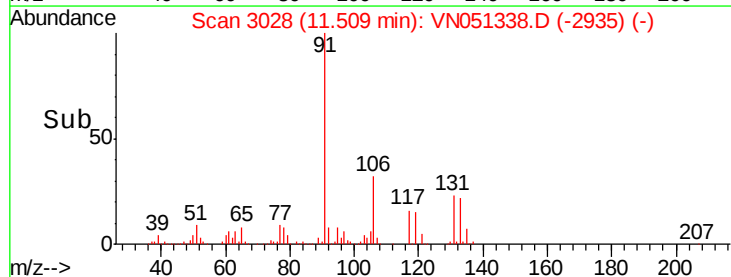
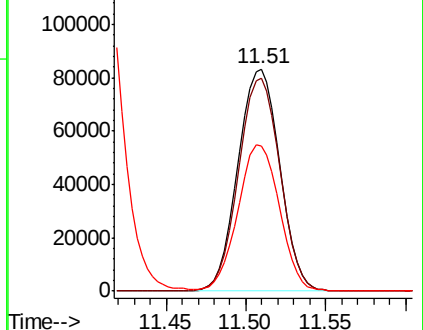
119 65.8 32.6 97.7

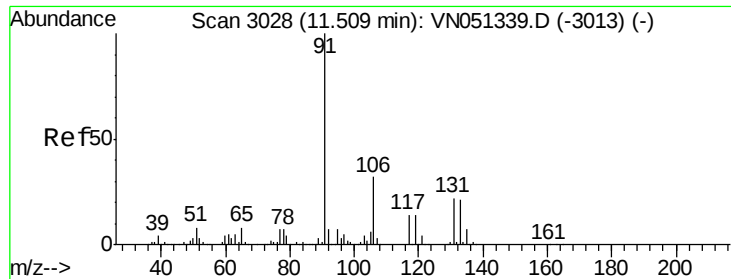


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.647 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 621729

Ion Ratio Lower Upper

91 100

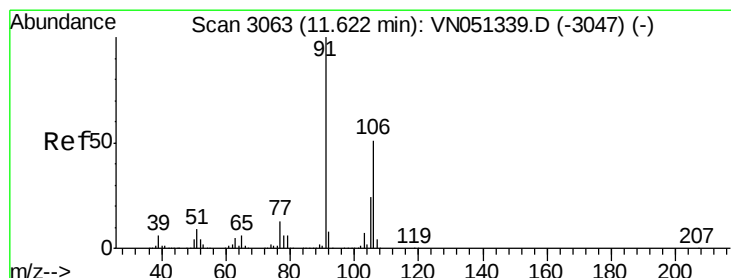
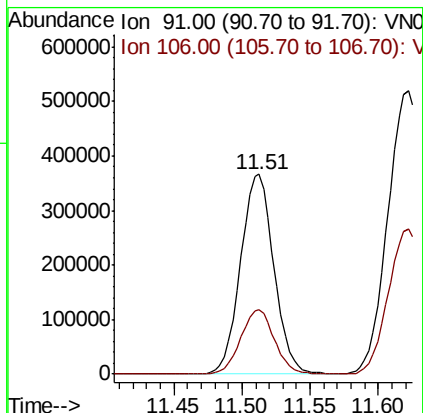
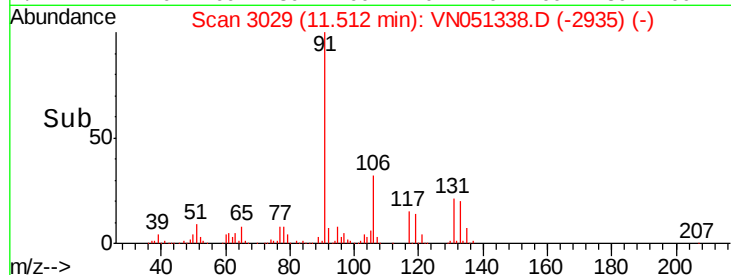
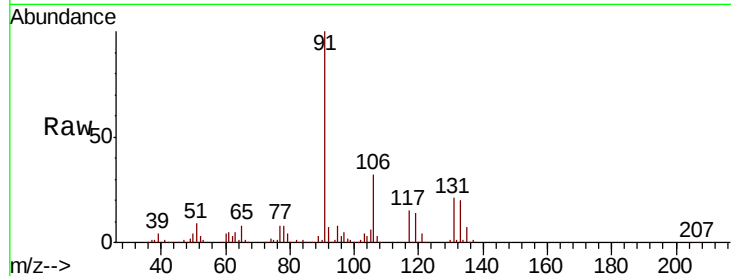
106 32.4 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.529 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051338.D

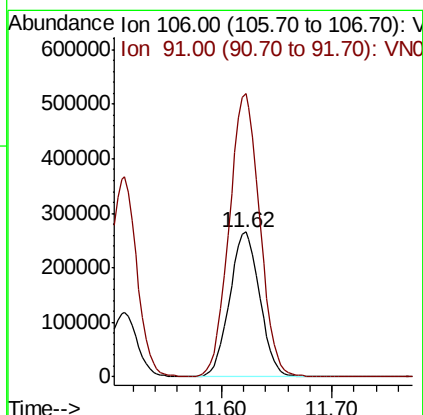
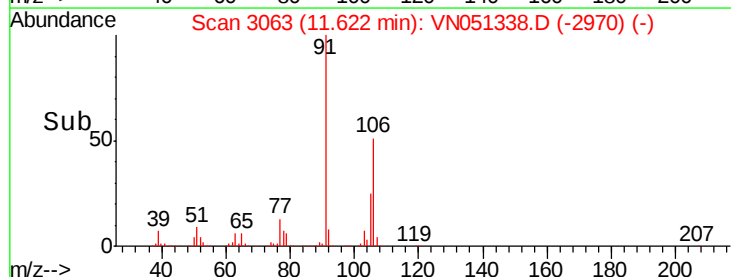
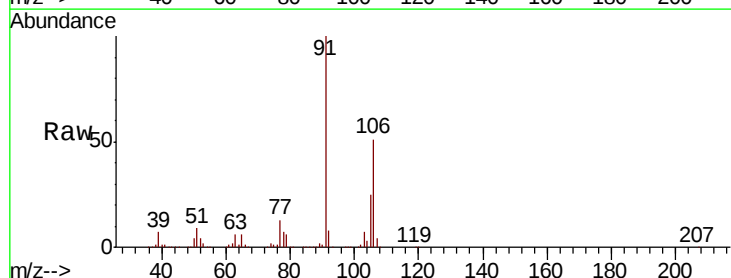
Acq: 20 Sep 2018 14:17

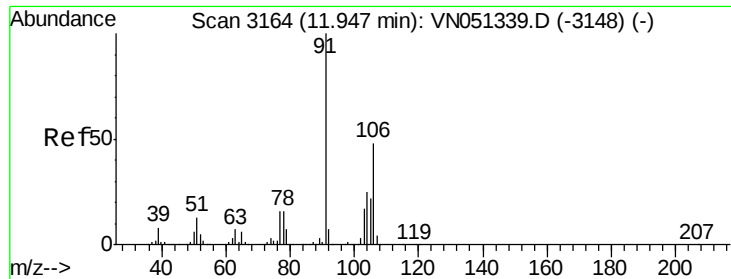
Tgt Ion: 106 Resp: 503877

Ion Ratio Lower Upper

106 100

91 198.1 156.5 234.7





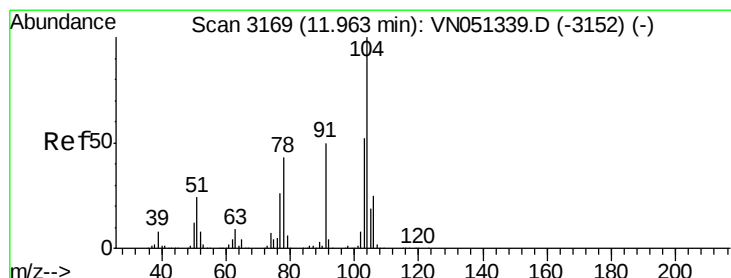
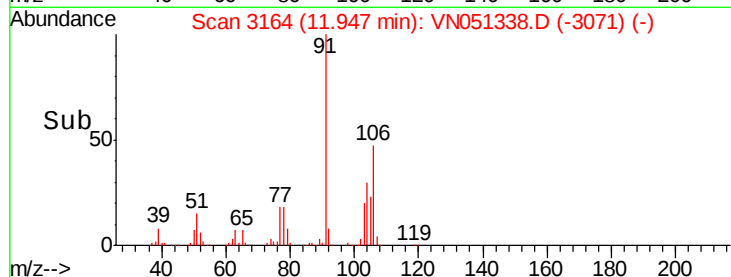
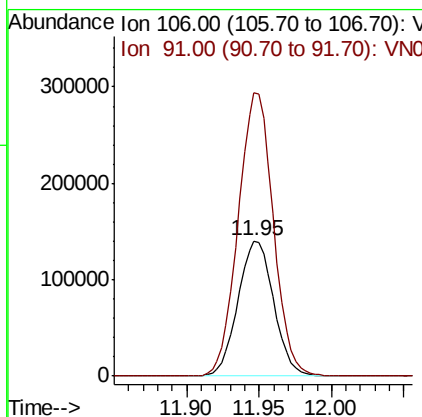
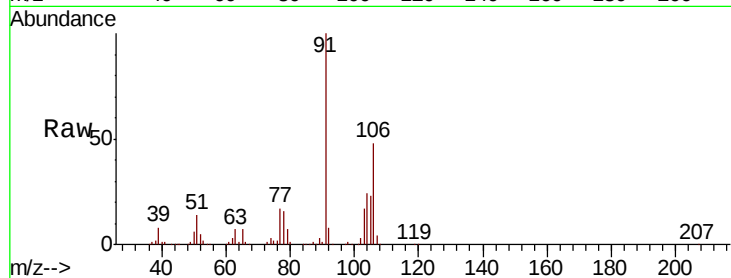
#69
o-Xylene
Concen: 20.065 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240485	106	100			
	91	206.2	104.6	313.7	

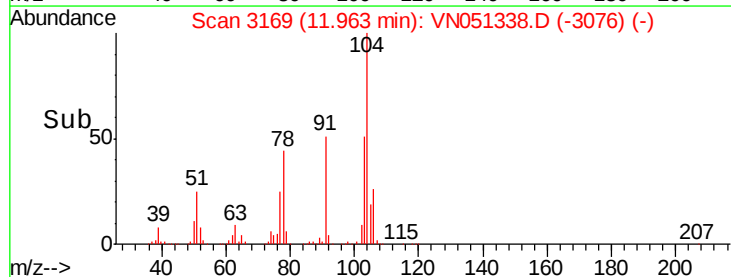
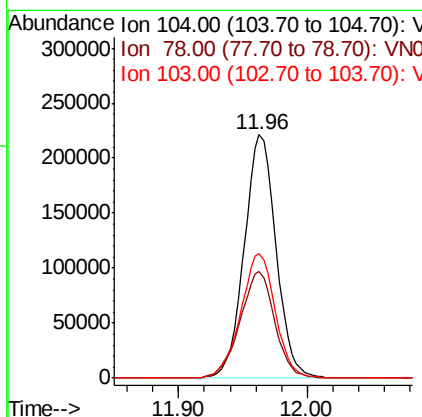
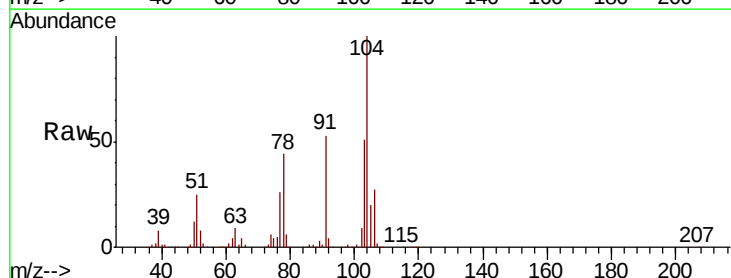
Manual Integrations
APPROVED

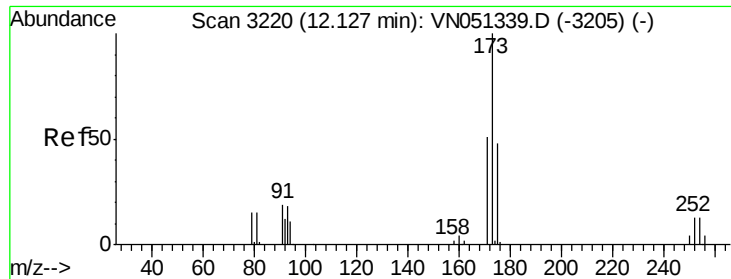
MMDadoda
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#70
Styrene
Concen: 20.463 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
380670	104	100			
	78	47.6	37.8	56.6	
	103	55.4	44.3	66.5	





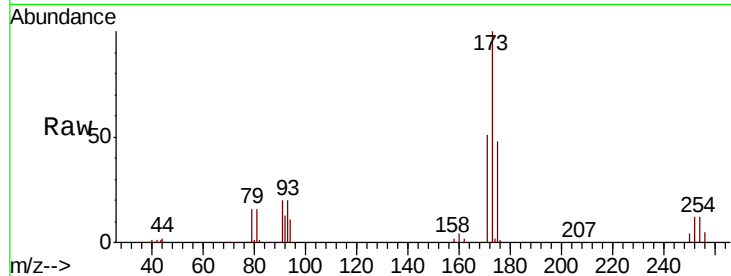
#71
Bromoform
Concen: 19.630 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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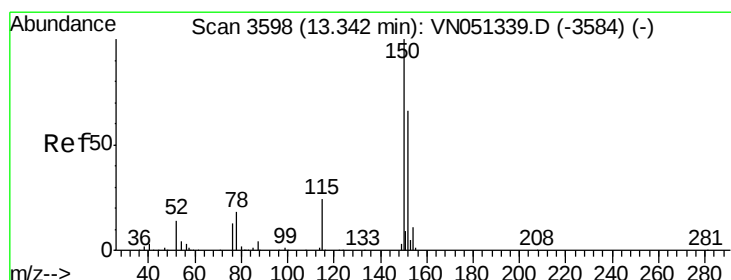
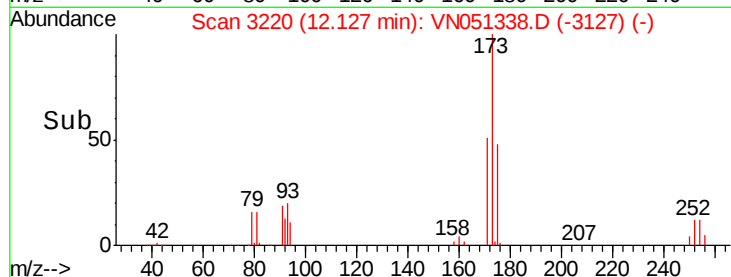
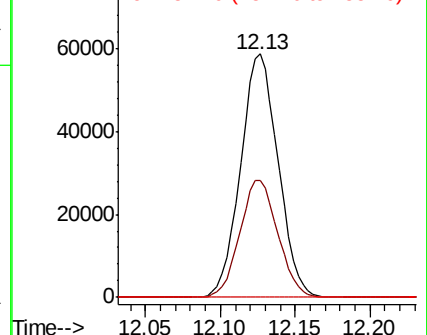


Abundance

Ion 172.70 (172.40 to 173.40): V

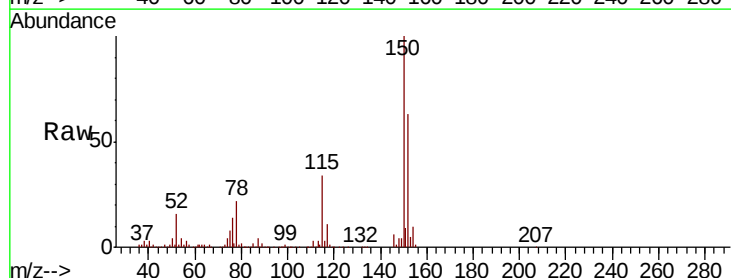
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	26.9	80.7
150	164.0	0.0	345.0

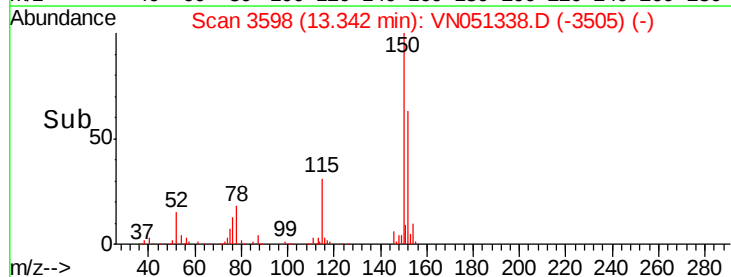
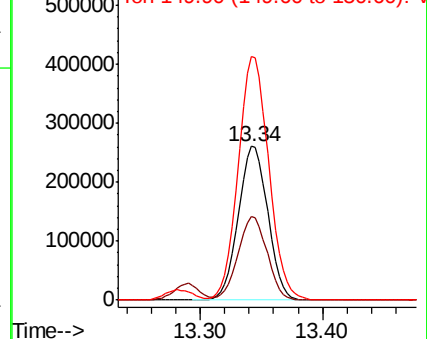


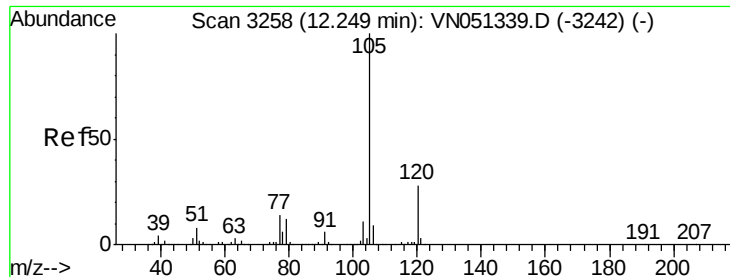
Abundance

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: 19.915 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 636679

Ion Ratio Lower Upper

105 100

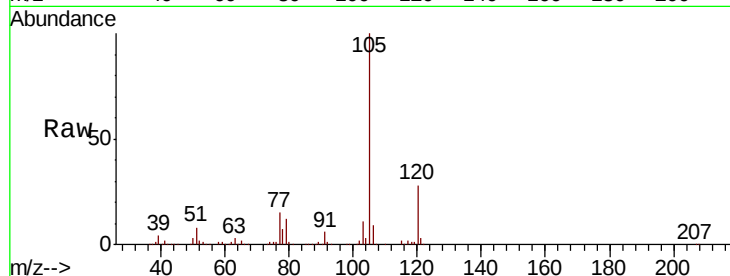
120 27.5 13.9 41.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

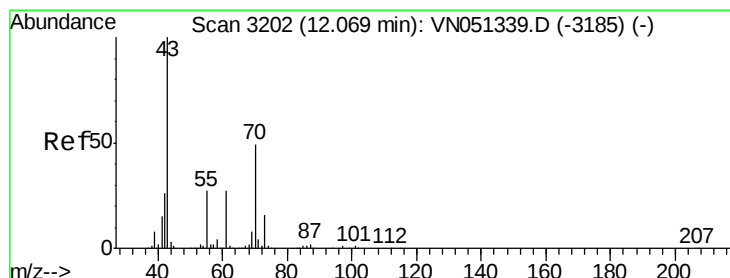
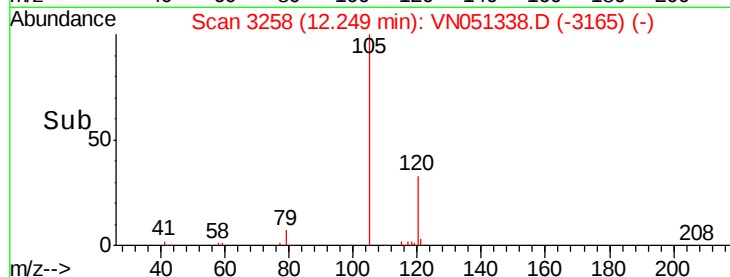
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.155 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion: 43 Resp: 131013

Ion Ratio Lower Upper

43 100

70 46.6 39.5 59.3

55 29.6 22.6 34.0

61 26.4 21.5 32.3

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

120000

100000

80000

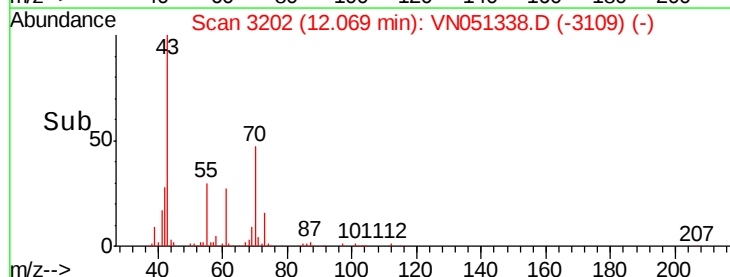
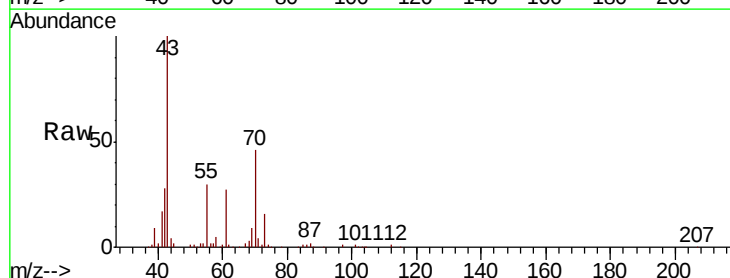
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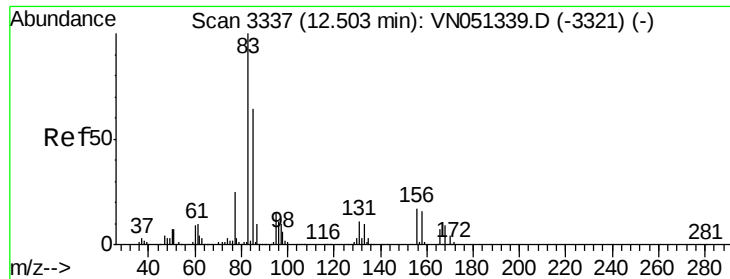
40000

20000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 19.018 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

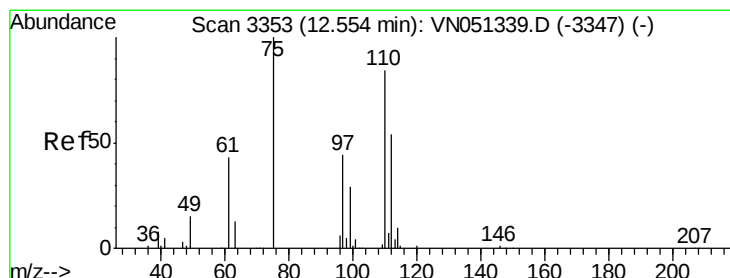
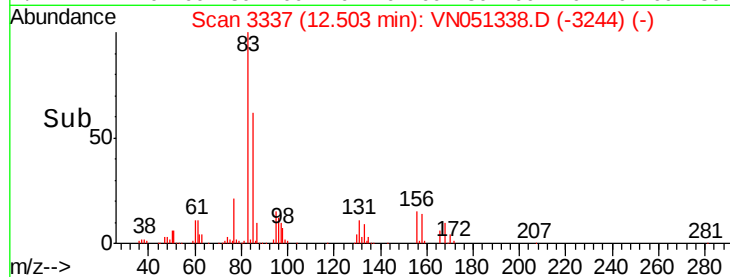
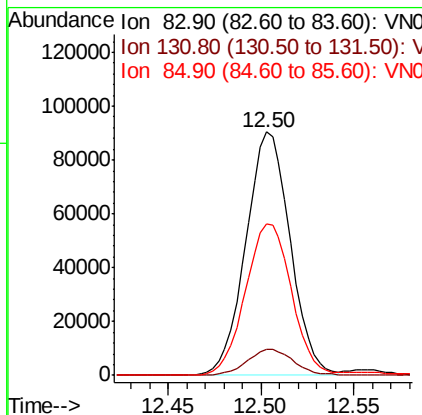
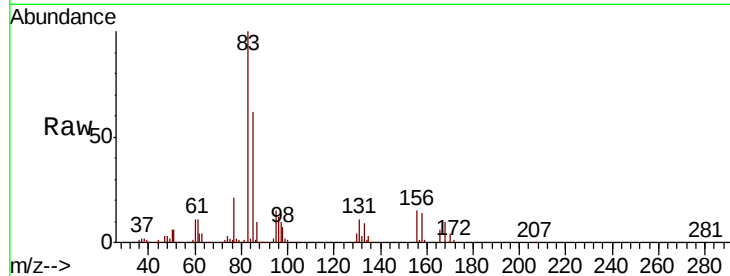
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	150045
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	64.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 20.430 ug/l m

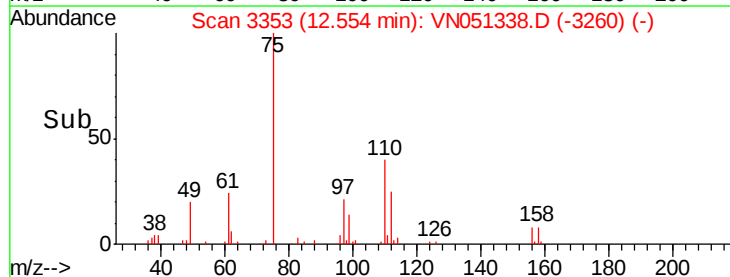
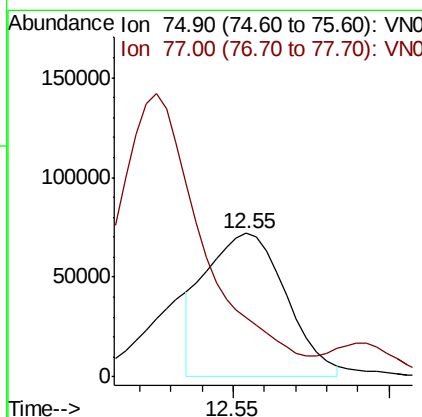
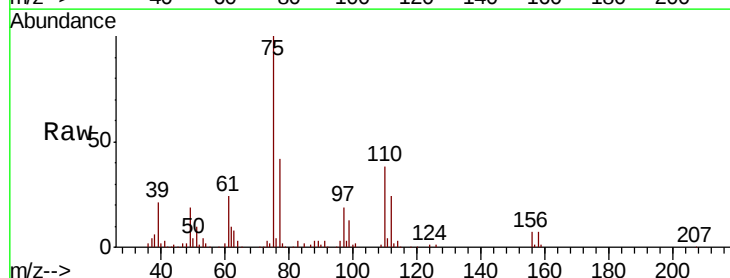
RT: 12.55 min Scan# 3353

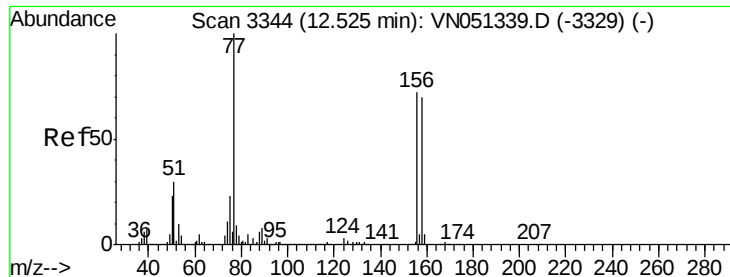
Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion:	75	Resp:	128691
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.372 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

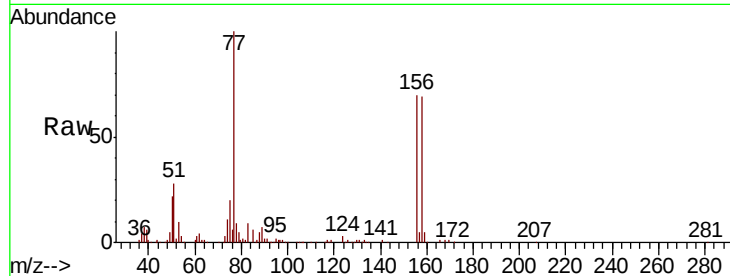
ClientSampleId :

VSTDIC020

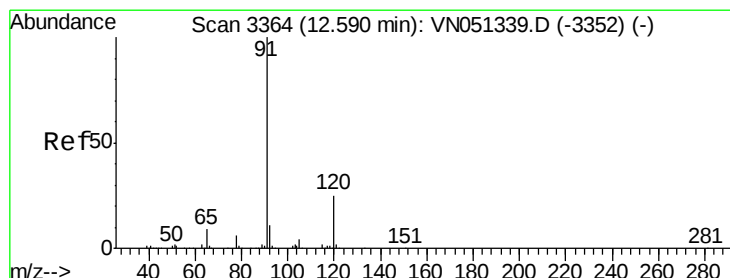
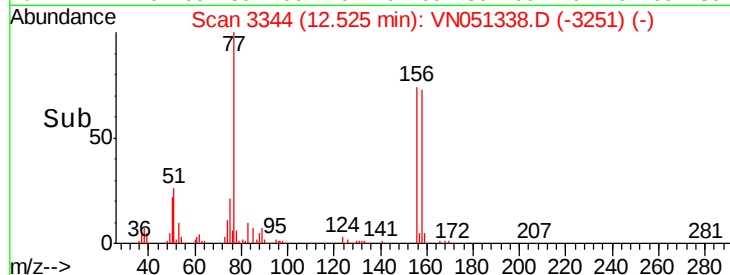
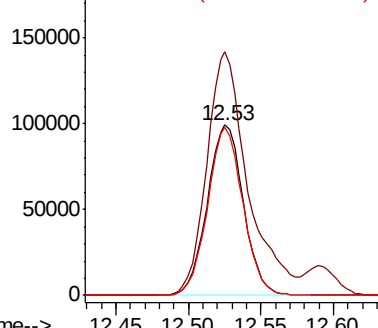
Tot Ion:	156	Resp:	171112
Ion Ratio	Lower	Upper	
156	100		
77	162.3	80.8	242.4
158	96.5	48.8	146.3

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Abundance Ion 155.80 (155.50 to 156.50): V



#78

n-propylbenzene

Concen: 19.982 ug/l

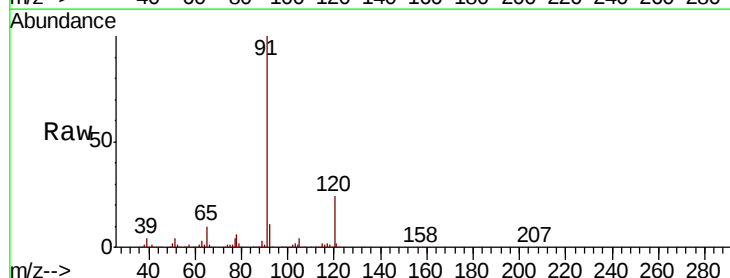
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

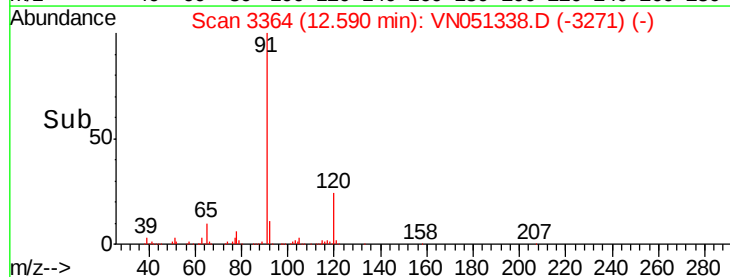
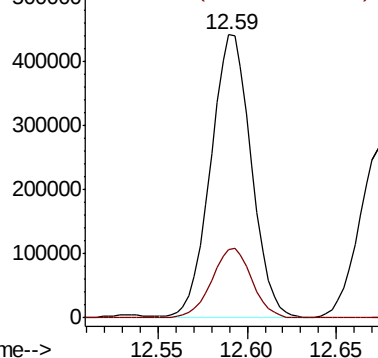
Lab File: VN051338.D

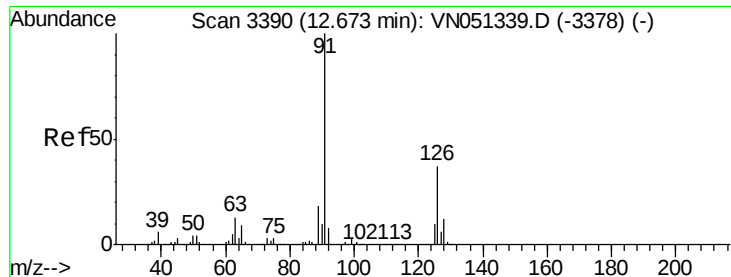
Acq: 20 Sep 2018 14:17

Tgt Ion:	91	Resp:	696437
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0





#79

2-Chlorotoluene

Concen: 19.869 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 426775

Ion Ratio Lower Upper

91 100

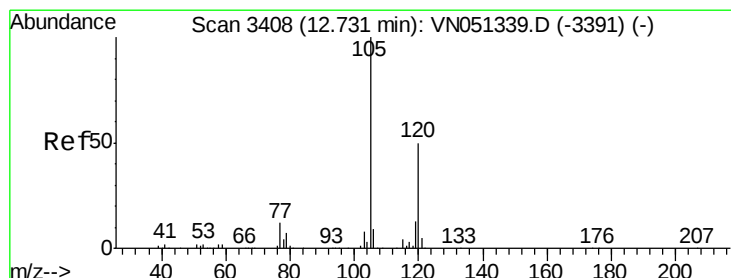
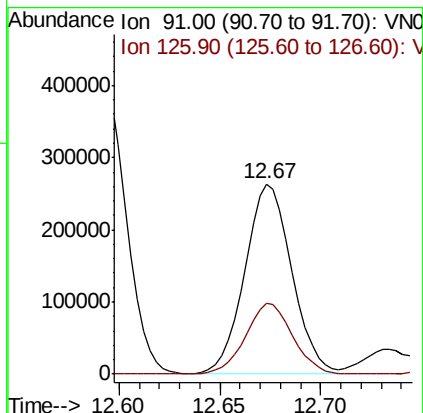
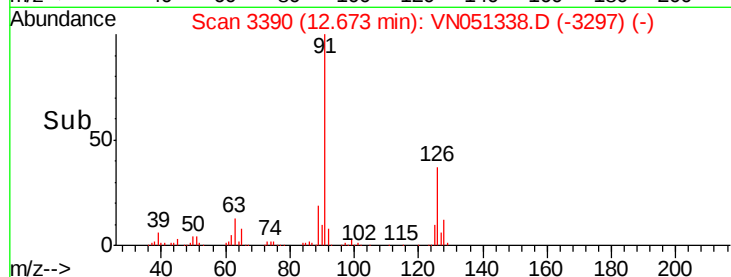
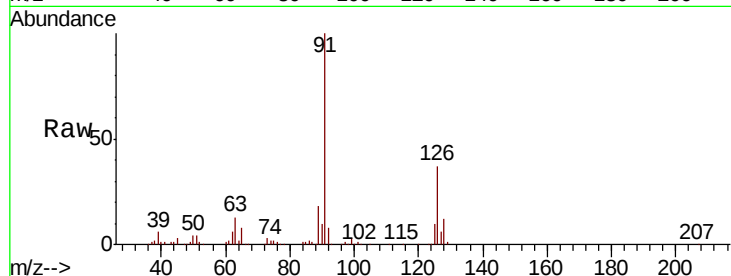
126 37.5 18.6 55.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.822 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051338.D

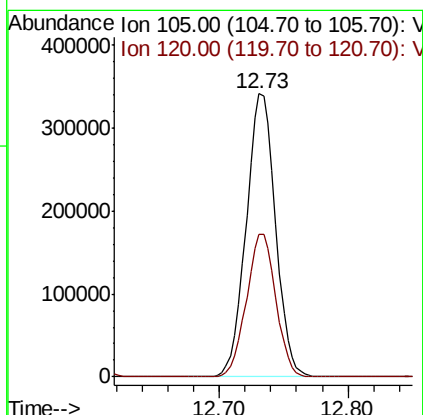
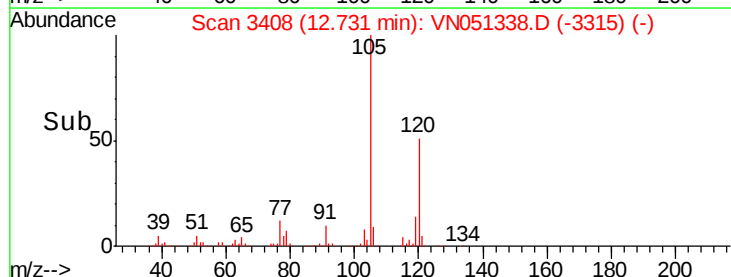
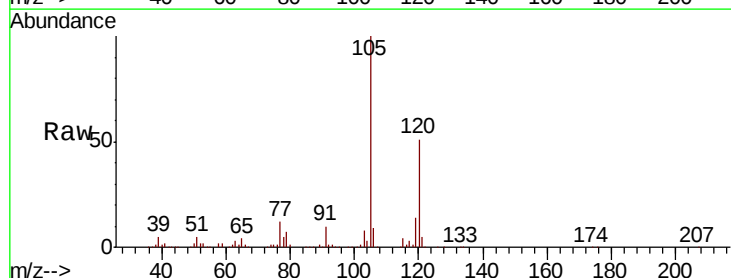
Acq: 20 Sep 2018 14:17

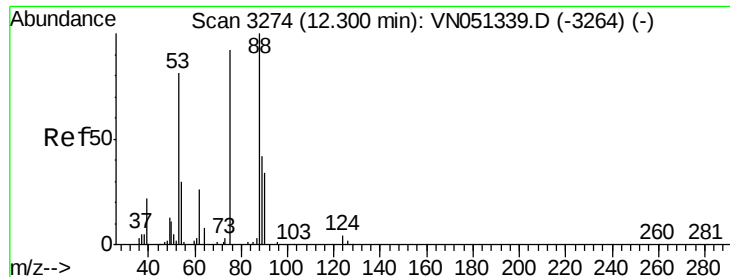
Tgt Ion: 105 Resp: 539637

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





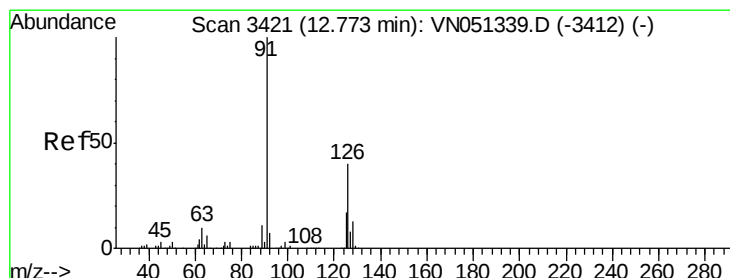
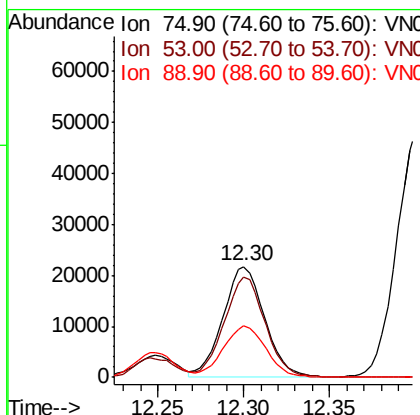
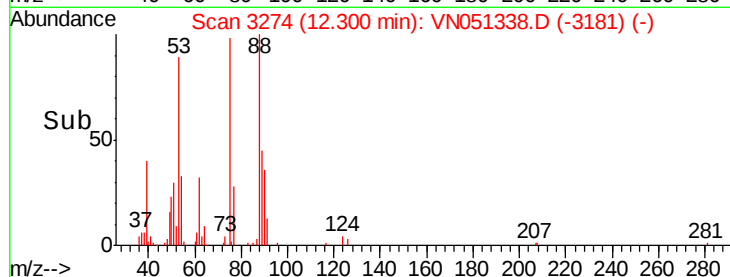
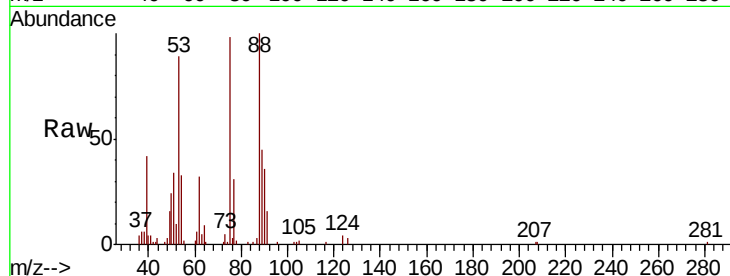
#81
trans-1,4-Dichloro-2-butene
Concen: 20.336 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	69.9	104.9
89	47.0	37.9	56.9

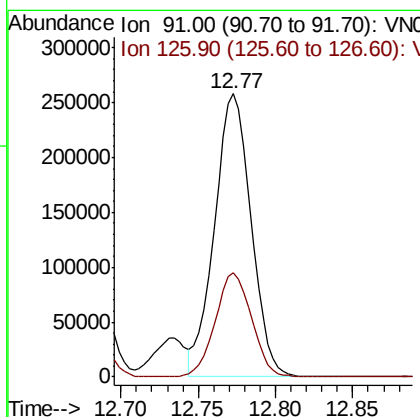
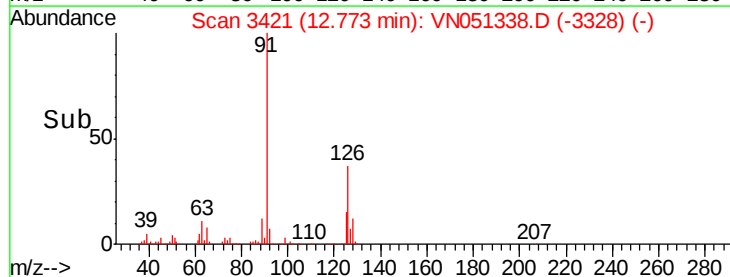
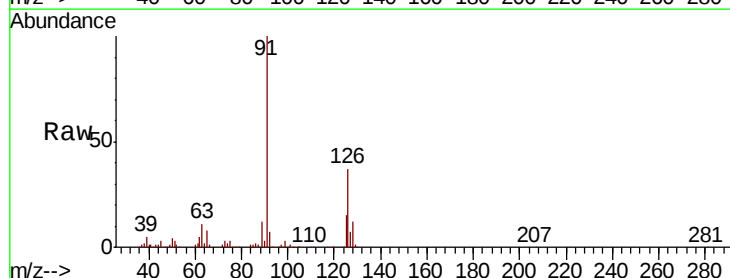
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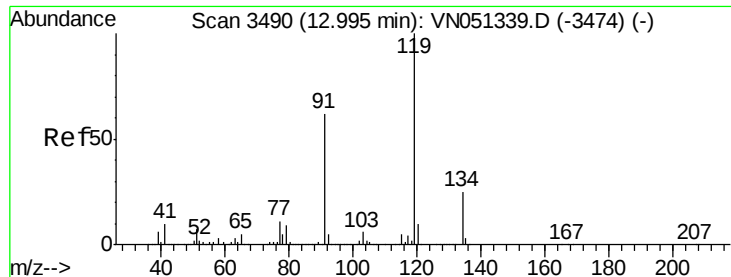
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#82
4-Chlorotoluene
Concen: 20.220 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.3	54.9





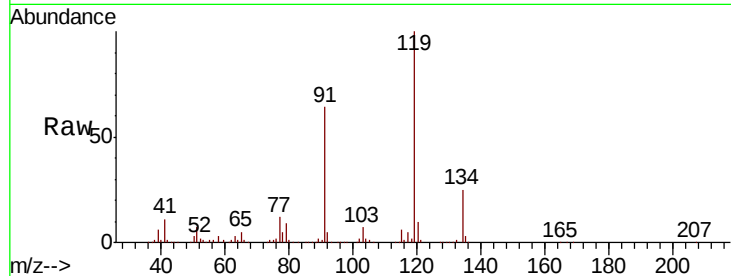
#83
 tert-Butylbenzene
 Concen: 20.144 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

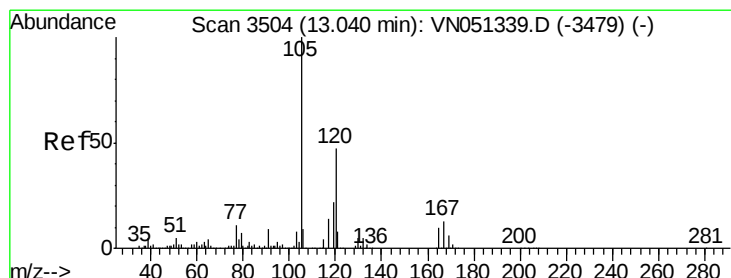
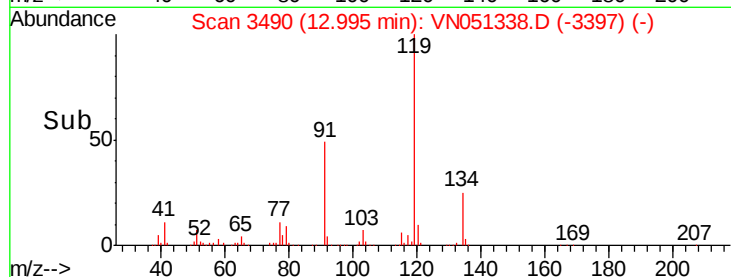
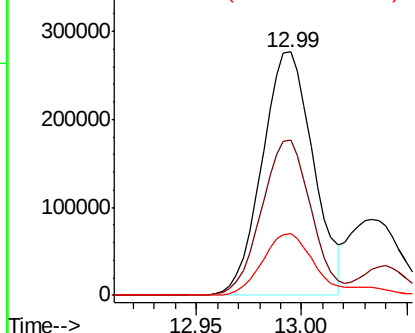
Tot Ion	Ratio	Resp	Lower	Upper
119	100	467289		
91	61.5	30.6	91.8	
134	27.7	12.6	37.6	

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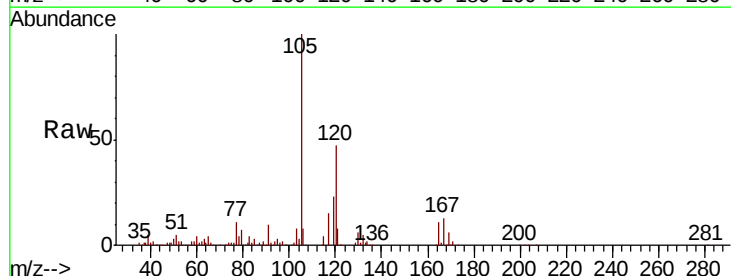


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

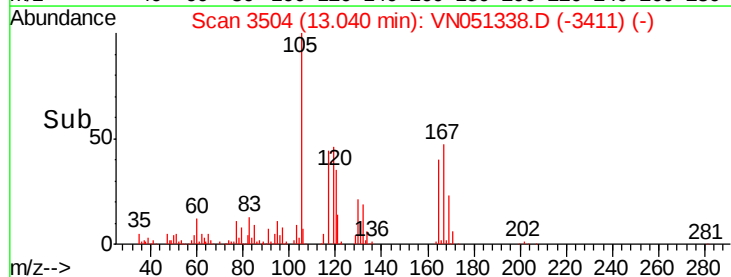
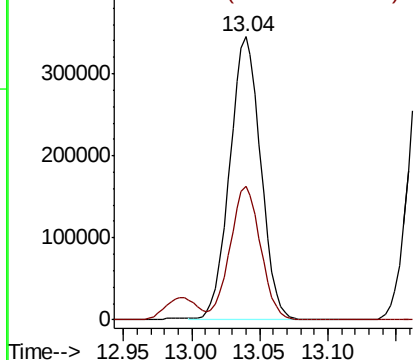


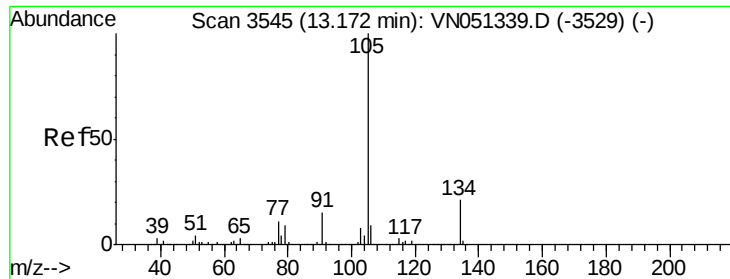
#84
 1,2,4-Trimethylbenzene
 Concen: 21.137 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	543695		
120	46.7	23.5	70.6	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





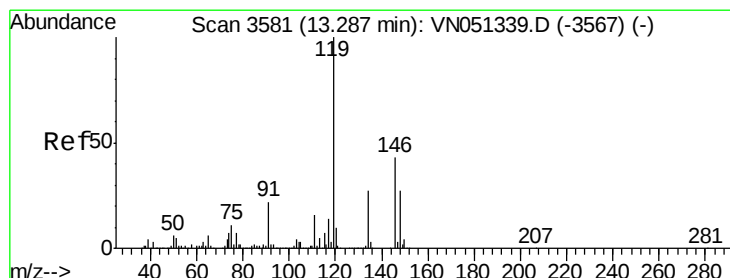
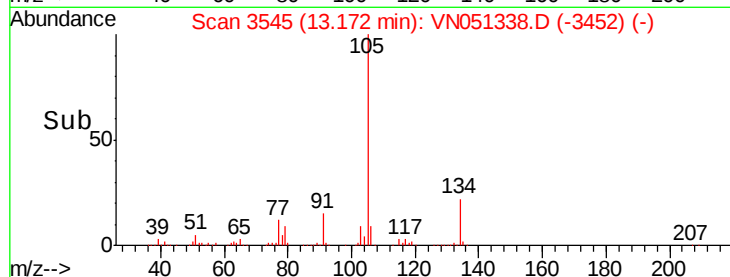
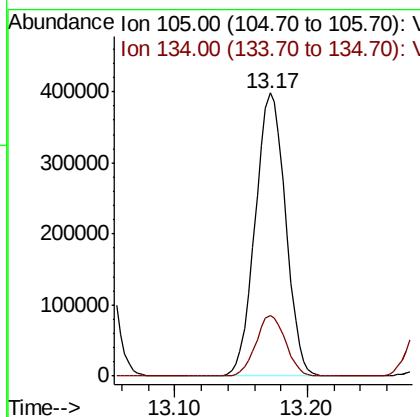
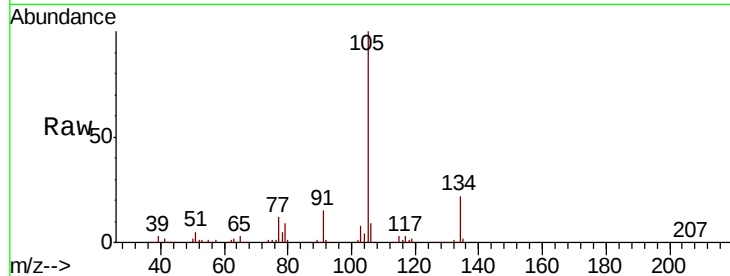
#85
 sec-Butylbenzene
 Concen: 20.456 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.8	32.3

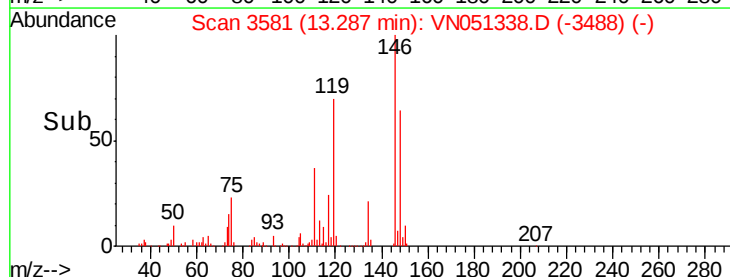
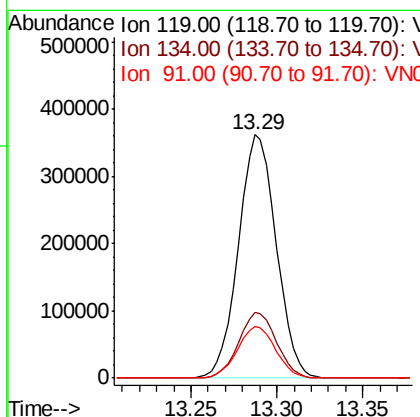
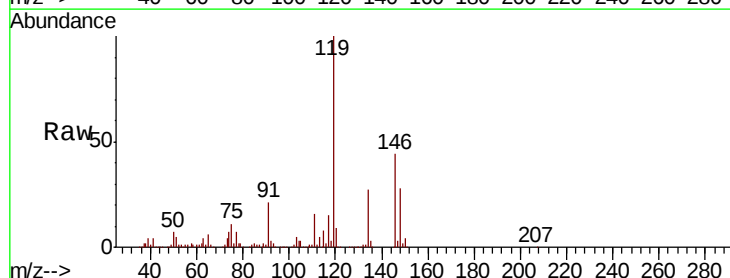
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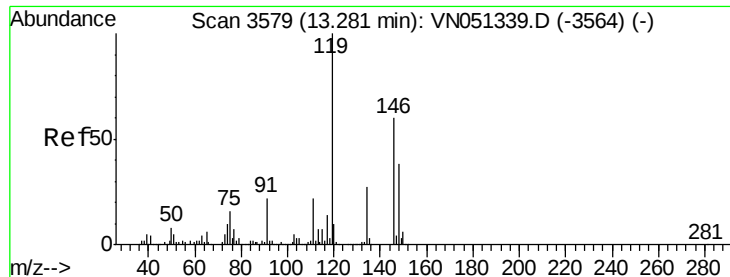
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#86
 p-Isopropyltoluene
 Concen: 20.521 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.7	41.0
91	21.5	10.8	32.3





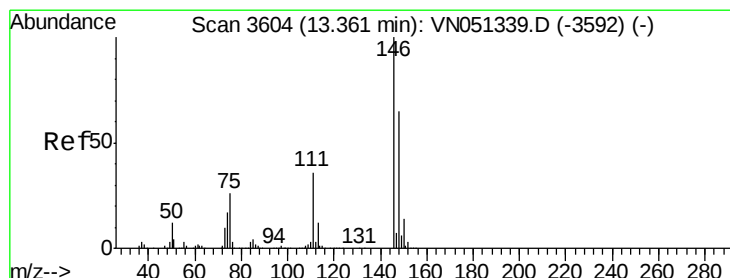
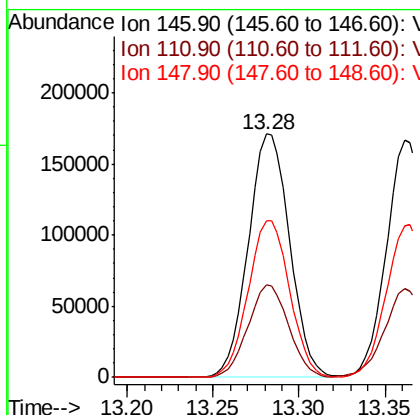
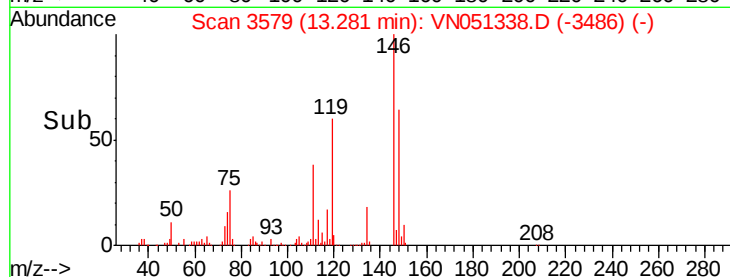
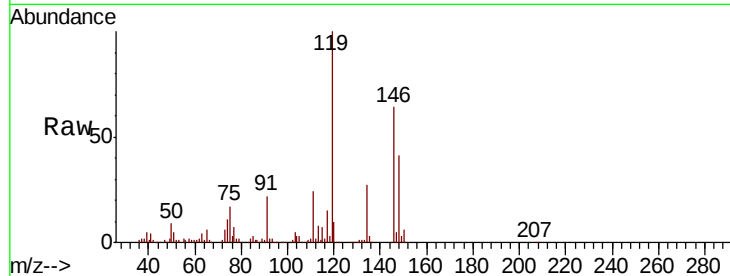
#87
 1,3-Dichlorobenzene
 Concen: 19.230 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	285502		
111	37.5	18.6	55.8	
148	64.4	31.9	95.7	

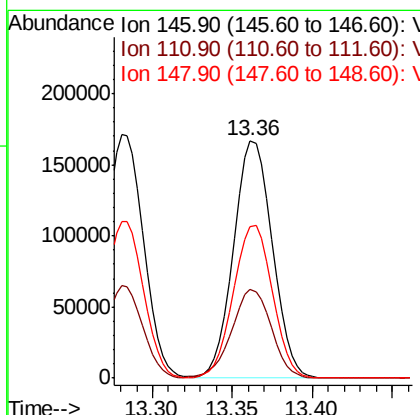
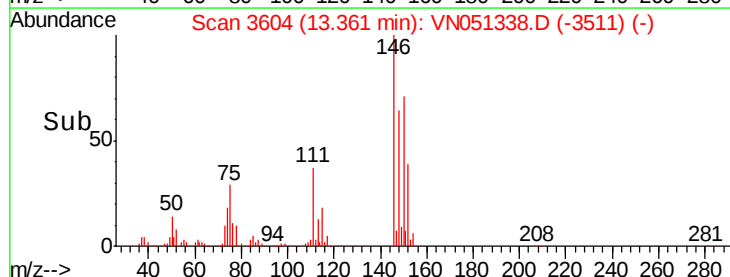
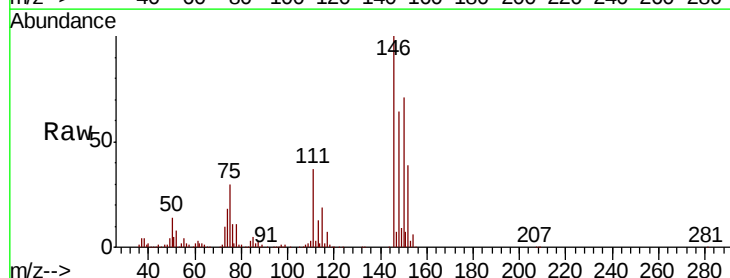
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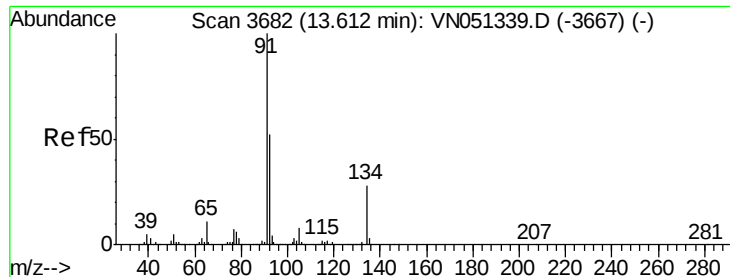
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#88
 1,4-Dichlorobenzene
 Concen: 19.171 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	275911		
111	38.3	18.2	54.6	
148	64.8	32.5	97.4	





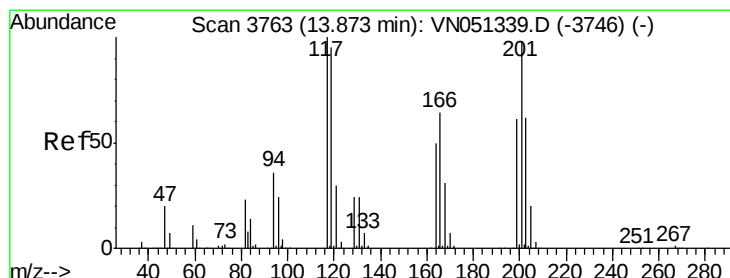
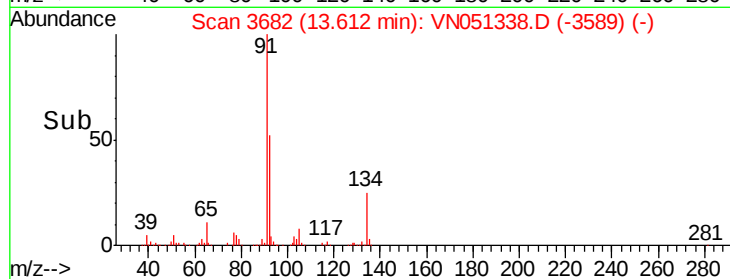
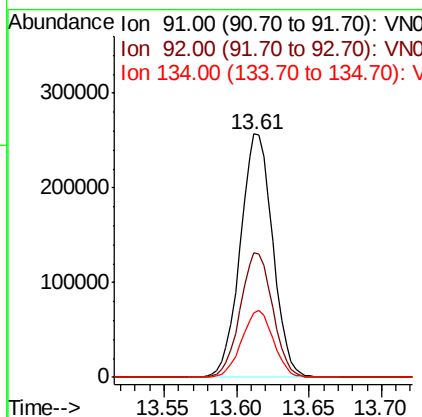
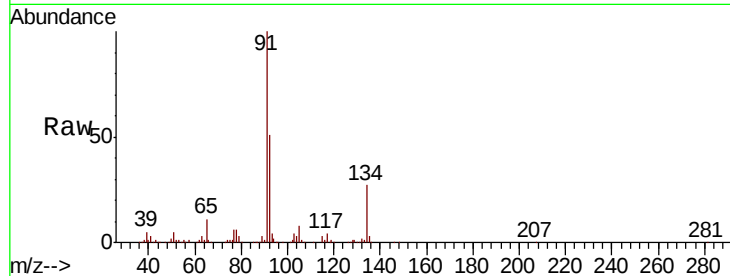
#89
n-Butylbenzene
Concen: 19.161 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.0	78.0
134	27.0	14.1	42.4

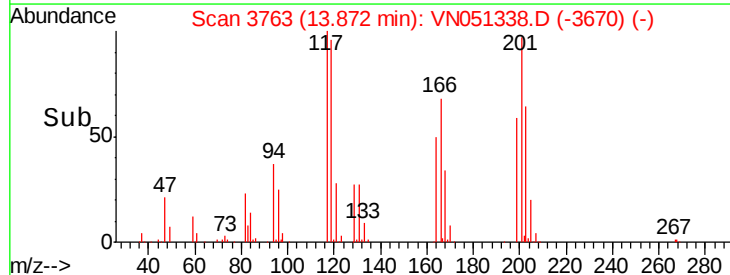
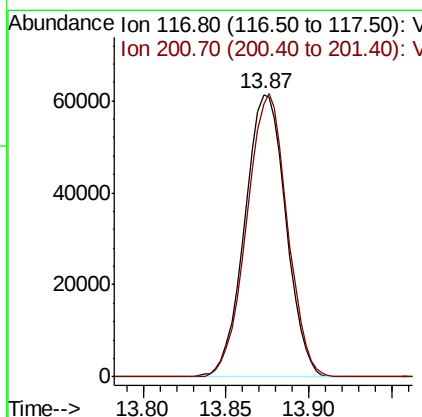
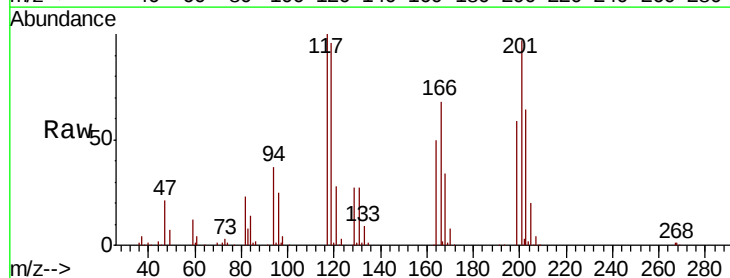
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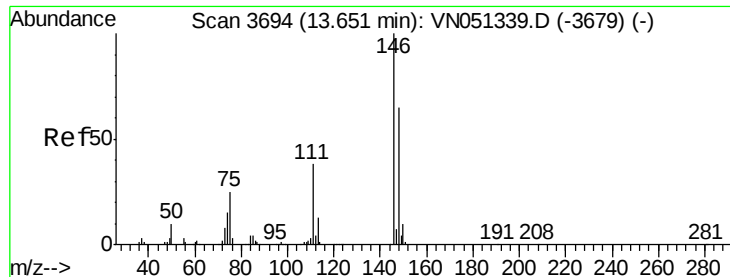
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#90
Hexachloroethane
Concen: 18.400 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.7	49.5	148.3





#91

1,2-Dichlorobenzene

Concen: 19.665 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

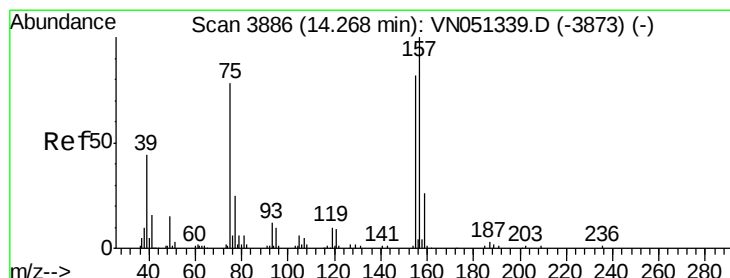
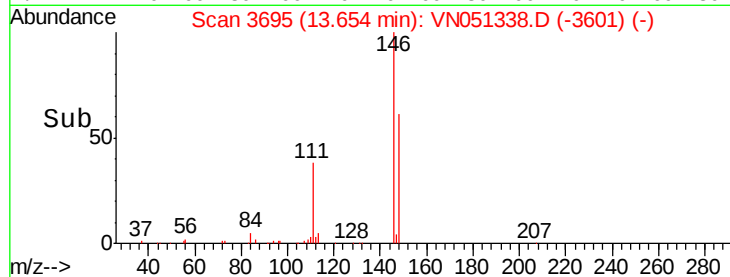
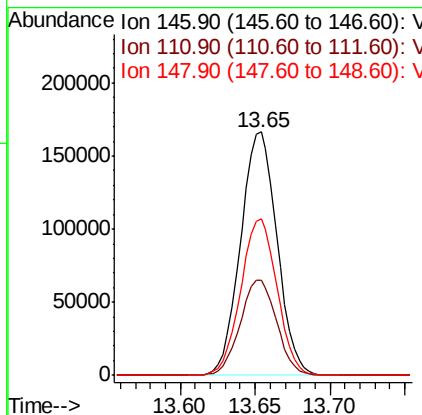
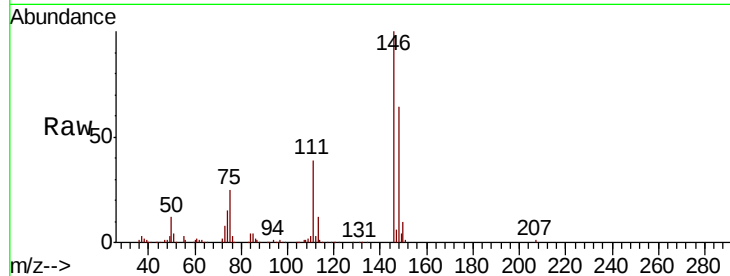
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	282036
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.3	57.8
148	64.1	32.9	98.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.935 ug/l

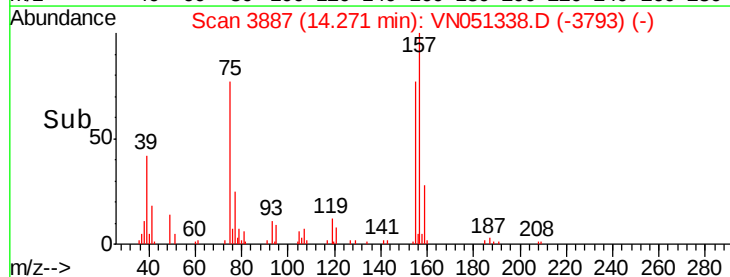
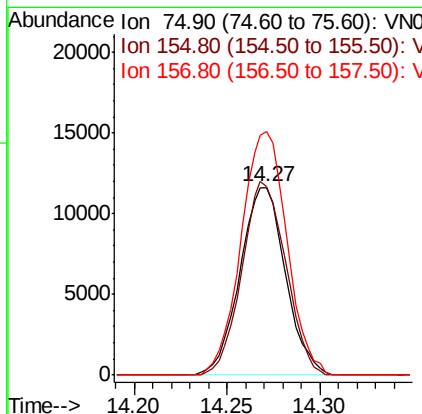
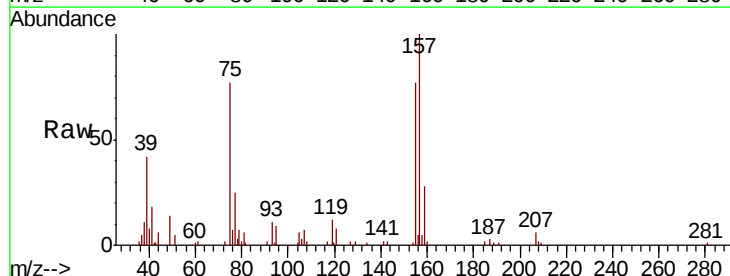
RT: 14.27 min Scan# 3887

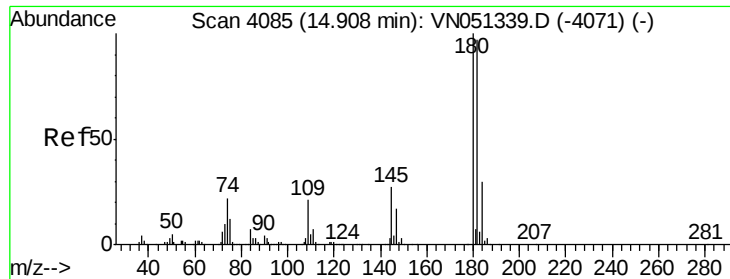
Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion:	75	Resp:	19786
Ion Ratio	Lower	Upper	
75	100		
155	99.2	51.4	154.2
157	130.5	65.4	196.2





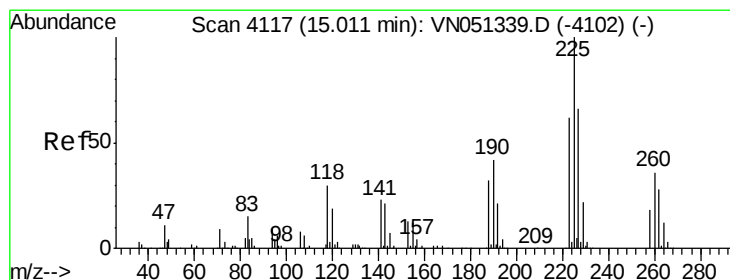
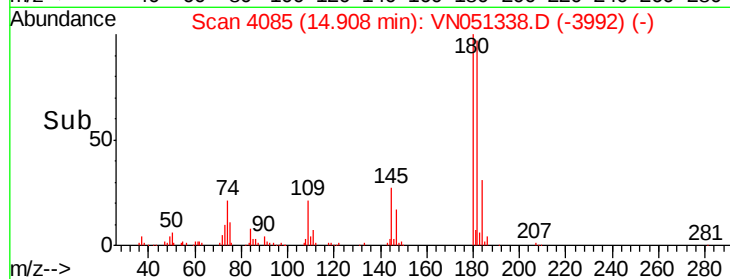
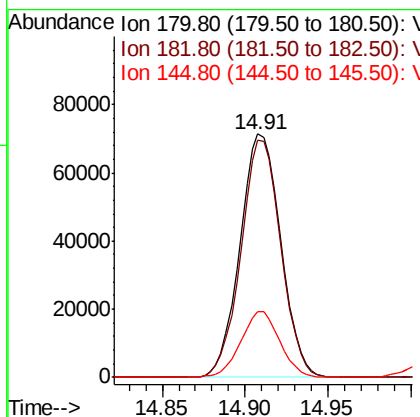
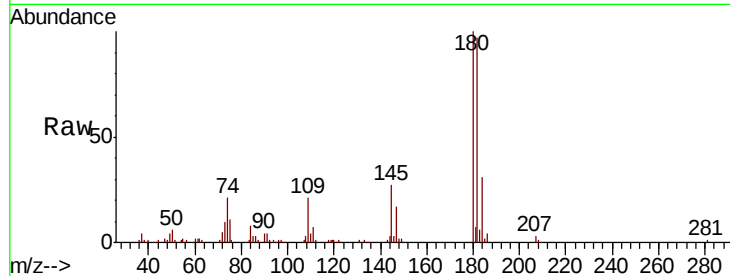
#93
 1,2,4-Trichlorobenzene
 Concen: 18.533 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121848		
182	95.5	48.4	145.2	
145	26.0	13.7	41.1	

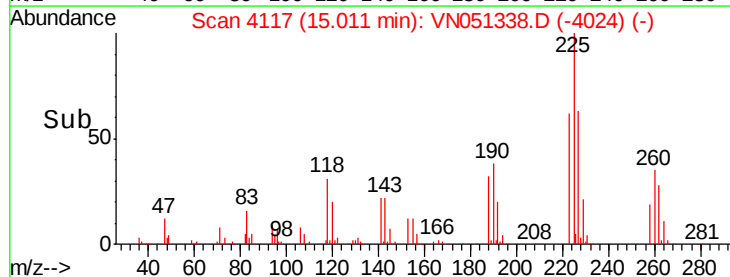
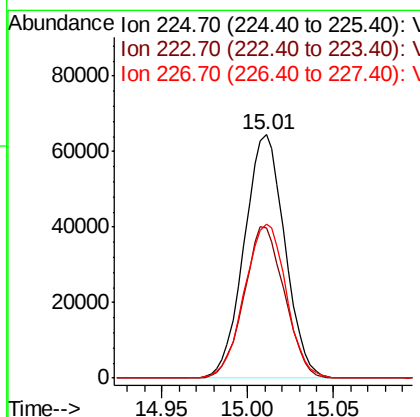
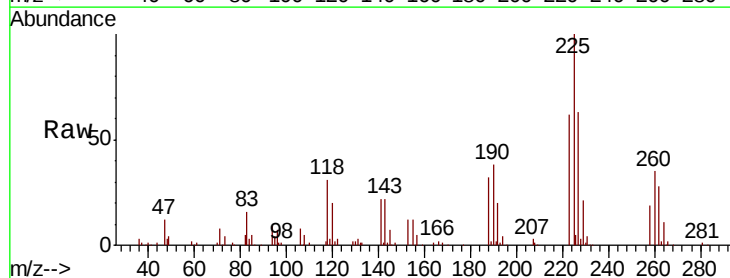
Manual Integrations
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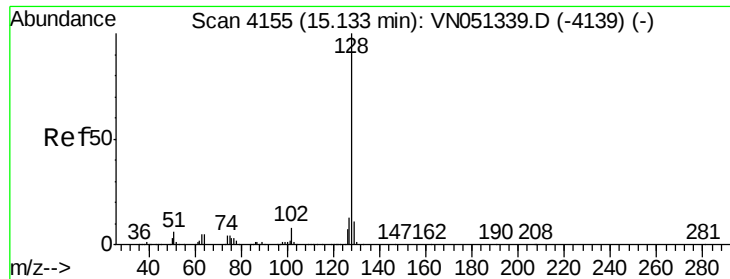
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#94
 Hexachlorobutadiene
 Concen: 18.953 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105496		
223	62.0	31.2	93.6	
227	65.2	32.8	98.4	





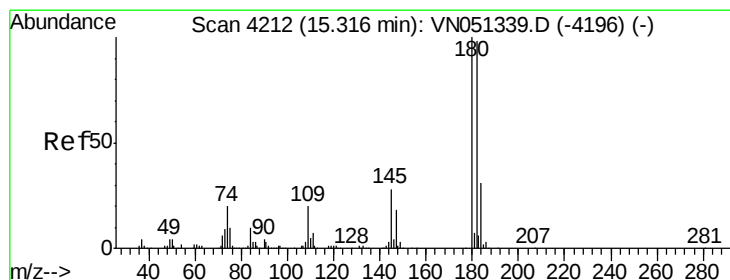
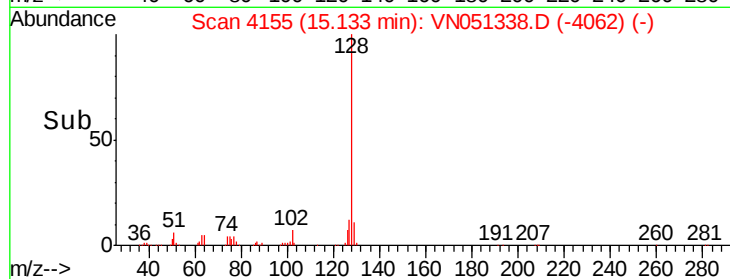
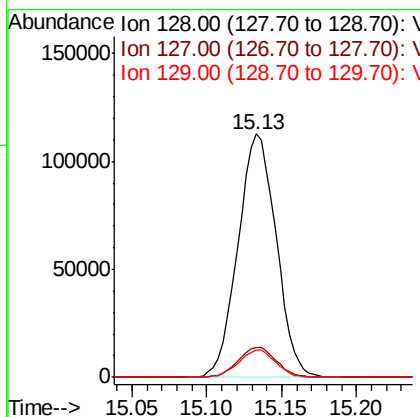
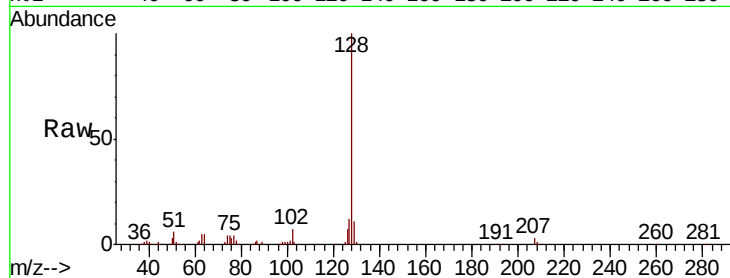
#95
Naphthalene
Concen: 17.284 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.176 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.1	144.3
145	28.6	14.3	42.9

