

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053950.D
 Acq On : 26 Feb 2019 13:03
 Operator : JC/SP
 Sample : VN0226WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Quant Time: Feb 27 02:25:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	625993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1001600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	874851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	382645	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	370186	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	7.59	113	323213	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.09	98	1182049	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	386734	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	113828	19.758	ug/l	98
3) Chloromethane	2.06	50	165467	20.706	ug/l	98
4) Vinyl Chloride	2.19	62	162946	20.351	ug/l	100
5) Bromomethane	2.57	94	105508	19.897	ug/l	97
6) Chloroethane	2.71	64	100951	20.273	ug/l	99
7) Trichlorofluoromethane	3.02	101	203086	19.854	ug/l	97
8) Diethyl Ether	3.41	74	77539	20.233	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126287	19.548	ug/l	93
10) Methyl Iodide	3.96	142	170781	20.118	ug/l	98
11) Tert butyl alcohol	4.77	59	44922	96.568	ug/l	98
12) 1,1-Dichloroethene	3.74	96	122342	19.798	ug/l	94
13) Acrolein	3.61	56	49895	103.597	ug/l	98
14) Allyl chloride	4.33	41	222529	20.532	ug/l	95
15) Acrylonitrile	4.99	53	254706	103.887	ug/l	100
16) Acetone	3.82	43	207031	99.250	ug/l	96
17) Carbon Disulfide	4.06	76	378997	19.011	ug/l	99
18) Methyl Acetate	4.33	43	106360	20.729	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	340490	20.540	ug/l	98
20) Methylene Chloride	4.55	84	143555	19.766	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	133699	19.990	ug/l	94
22) Diisopropyl ether	5.95	45	434504	20.780	ug/l	96
23) Vinyl Acetate	5.90	43	1546193	102.793	ug/l	95
24) 1,1-Dichloroethane	5.85	63	260772	20.337	ug/l	99
25) 2-Butanone	6.83	43	292131	101.389	ug/l	95
26) 2,2-Dichloropropane	6.82	77	187179	20.547	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	149587	20.111	ug/l	93
28) Bromochloromethane	7.19	49	128175	21.839	ug/l	82
29) Tetrahydrofuran	7.21	42	192739	100.451	ug/l	93
30) Chloroform	7.37	83	251931	20.262	ug/l	98
31) Cyclohexane	7.65	56	242457	20.419	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	206323	20.126	ug/l	96
36) 1,1-Dichloropropene	7.79	75	186891	20.064	ug/l	98
37) Ethyl Acetate	6.93	43	127848	19.223	ug/l	94
38) Carbon Tetrachloride	7.78	117	177402	18.313	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	211123	18.805	ug/l	94
40) Benzene	8.04	78	581874	20.335	ug/l	100
41) Methacrylonitrile	7.17	41	68475	15.989	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	182052	20.550	ug/l	97
43) Isopropyl Acetate	8.16	43	215493	19.190	ug/l #	90
44) Trichloroethene	8.83	130	145429	19.171	ug/l	98
45) 1,2-Dichloropropane	9.12	63	157279	20.373	ug/l	97
46) Dibromomethane	9.21	93	90057	20.093	ug/l	93
47) Bromodichloromethane	9.40	83	190834	20.204	ug/l	98
48) Methyl methacrylate	9.20	41	100736	19.503	ug/l	94
49) 1,4-Dioxane	9.20	88	26558	379.617	ug/l	91
51) 4-Methyl-2-Pentanone	9.98	43	591601	102.522	ug/l	96
52) Toluene	10.16	92	340250	20.194	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	182493	19.857	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	216586	19.991	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	126044	20.031	ug/l	99
56) Ethyl methacrylate	10.43	69	149136	19.324	ug/l	89
57) 1,3-Dichloropropane	10.71	76	218423	20.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	333709	95.760	ug/l	96
59) 2-Hexanone	10.75	43	375149	99.959	ug/l	93
60) Dibromochloromethane	10.90	129	135760	19.413	ug/l	99
61) 1,2-Dibromoethane	11.00	107	119171	19.632	ug/l	99
64) Tetrachloroethene	10.63	164	145551	19.648	ug/l	98
65) Chlorobenzene	11.43	112	361634	19.586	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	131712	19.794	ug/l	100
67) Ethyl Benzene	11.51	91	613524	19.821	ug/l	99
68) m/p-Xylenes	11.62	106	463348	39.663	ug/l	95
69) o-Xylene	11.95	106	227369	19.808	ug/l	99
70) Styrene	11.96	104	356404	20.187	ug/l	98
71) Bromoform	12.13	173	89930	19.426	ug/l #	99
73) Isopropylbenzene	12.25	105	596242	20.017	ug/l	99
74) N-amyl acetate	12.07	43	153872	19.710	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	149984	20.136	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	182898	29.796	ug/l #	100
77) Bromobenzene	12.53	156	149306	19.743	ug/l	90
78) n-propylbenzene	12.59	91	682458	20.146	ug/l	98
79) 2-Chlorotoluene	12.67	91	410055	20.151	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	500701	20.533	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	37618	19.370	ug/l	92
82) 4-Chlorotoluene	12.77	91	409896	20.381	ug/l	96
83) tert-Butylbenzene	12.99	119	441216	20.458	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	500602	20.563	ug/l	99
85) sec-Butylbenzene	13.17	105	599930	20.366	ug/l	99
86) p-Isopropyltoluene	13.29	119	501487	20.138	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	256831	19.632	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	252119	19.864	ug/l	98
89) n-Butylbenzene	13.62	91	417164	19.878	ug/l	99
90) Hexachloroethane	13.88	117	91341	18.928	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	256376	20.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21139	20.082	ug/l	87

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
Response via : Initial Calibration

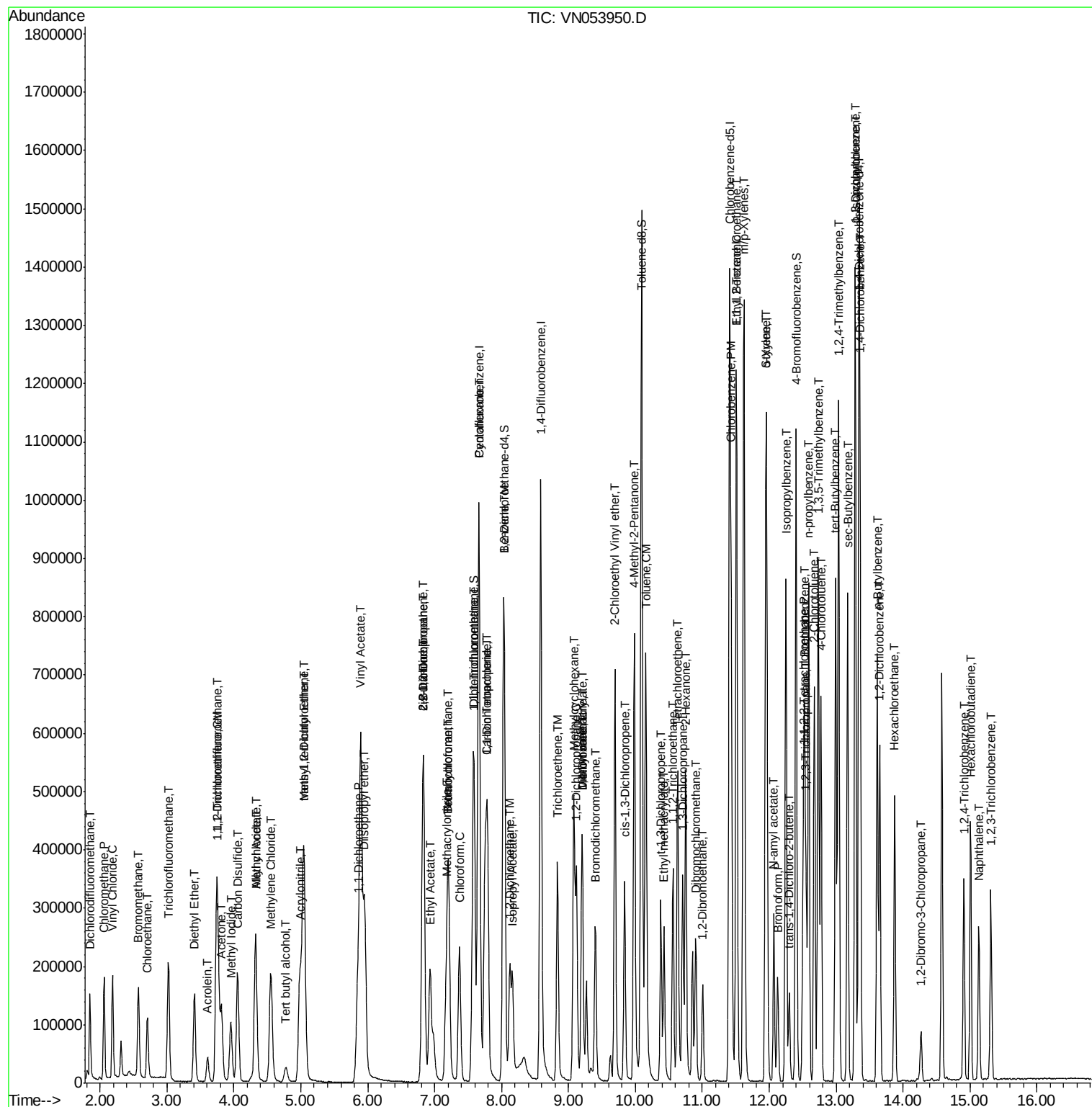
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	114996	17.846	ug/l	99
94) Hexachlorobutadiene	15.01	225	91301	19.958	ug/l	98
95) Naphthalene	15.13	128	229071	17.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	116182	18.243	ug/l	99

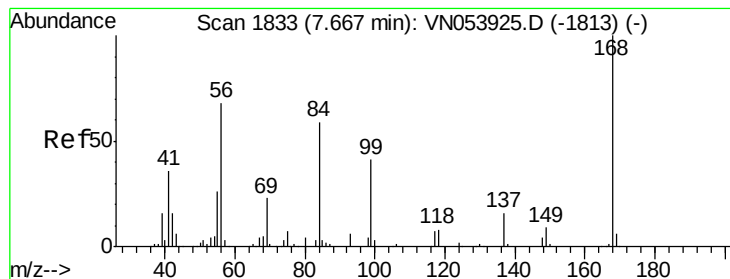
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053950.D
 Acq On : 26 Feb 2019 13:03
 Operator : JC/SP
 Sample : VN0226WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

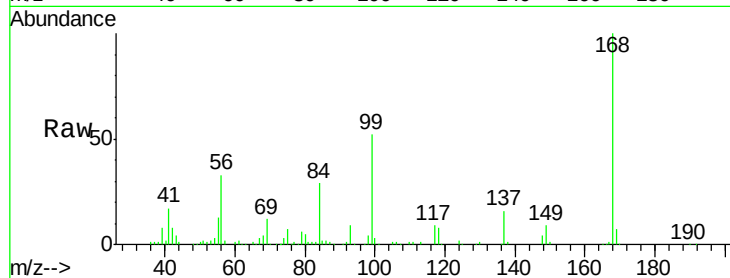
VN0226WBSD01

Tot Ion:168 Resp: 625993

Ion Ratio Lower Upper

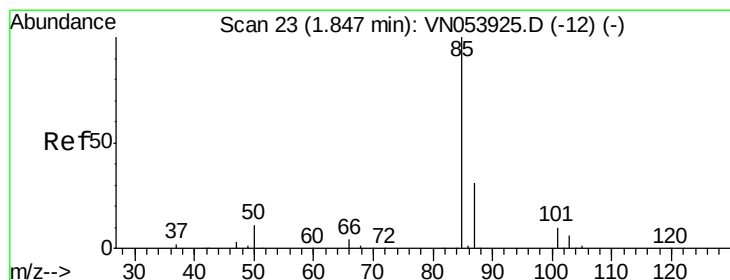
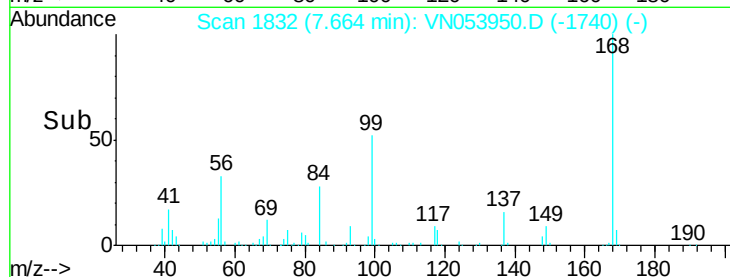
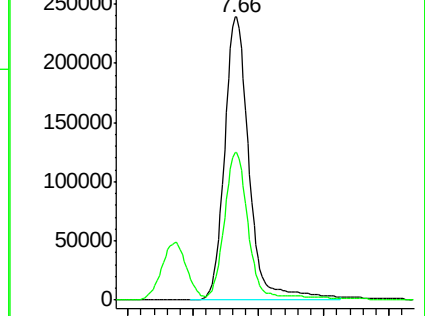
168 100

99 51.6 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.758 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053950.D

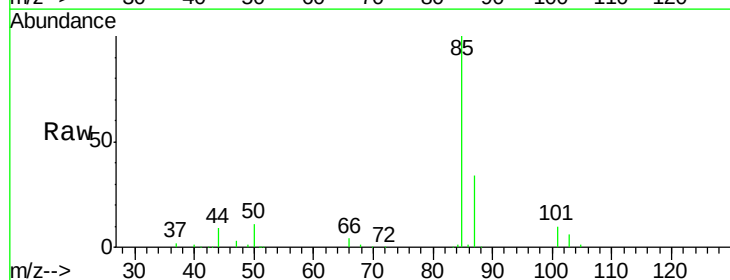
Acq: 26 Feb 2019 13:03

Tgt Ion: 85 Resp: 113828

Ion Ratio Lower Upper

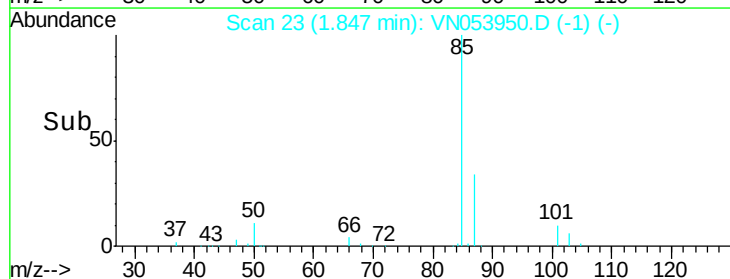
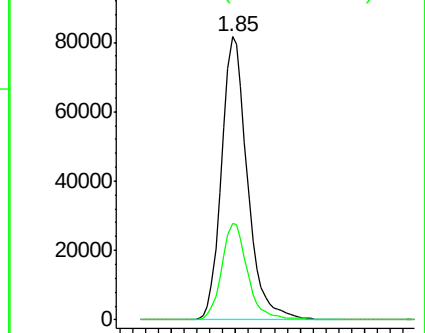
85 100

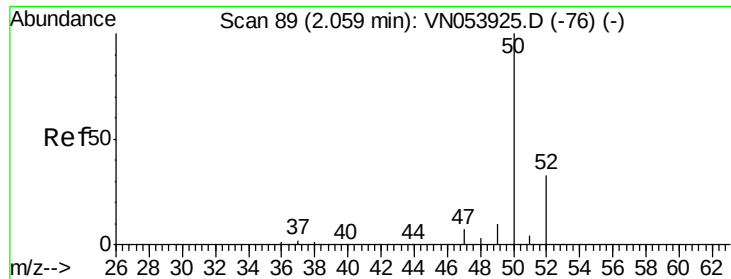
87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

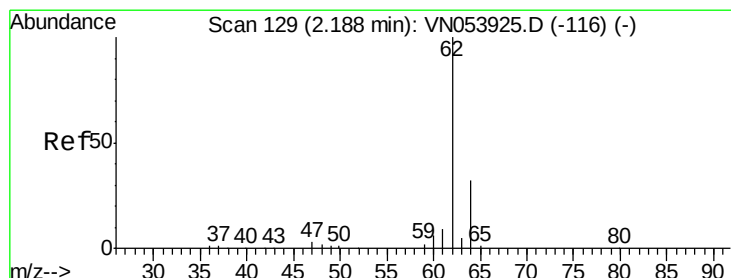
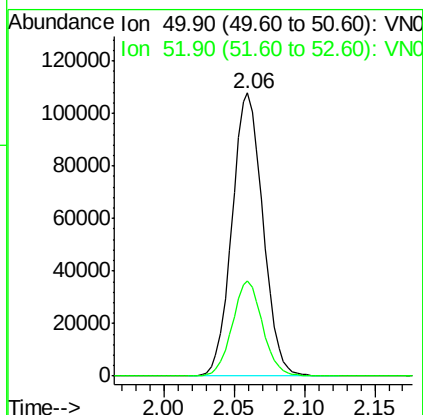
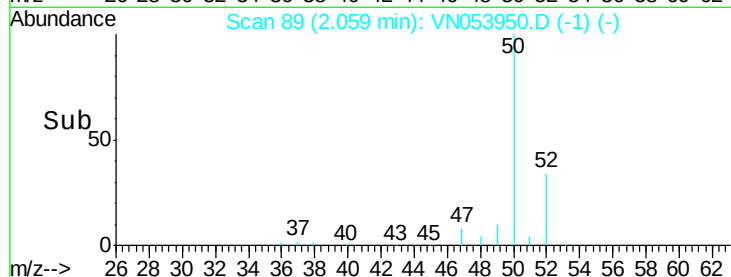
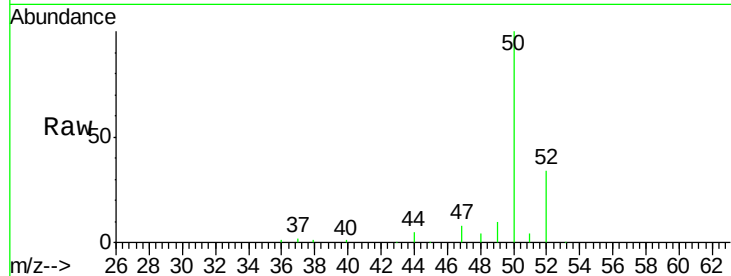




#3
Chloromethane
Concen: 20.706 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

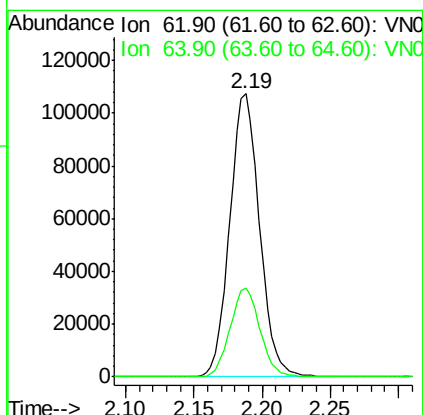
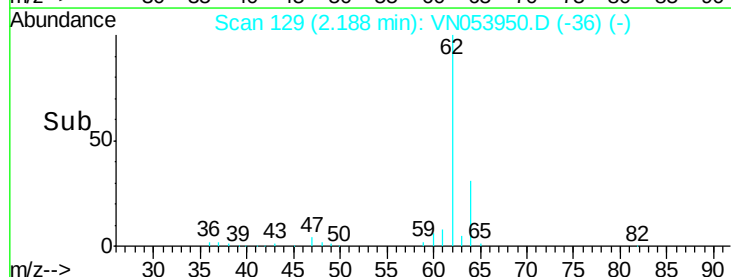
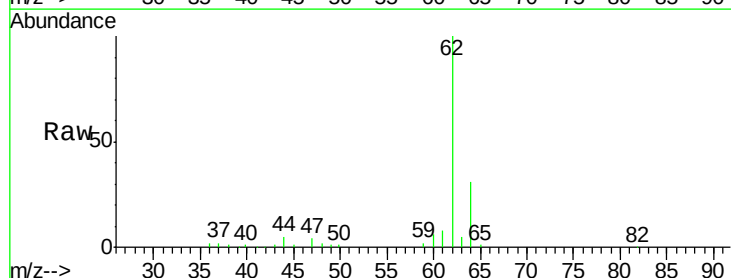
Instrument :
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ClientSampleId :
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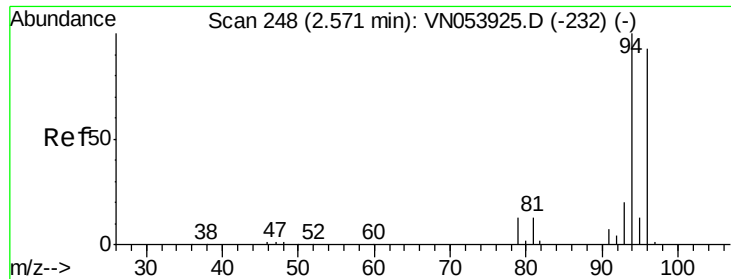
Tot Ion: 50 Resp: 165467
Ion Ratio Lower Upper
50 100
52 33.7 26.0 39.0



#4
Vinyl Chloride
Concen: 20.351 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 62 Resp: 162946
Ion Ratio Lower Upper
62 100
64 31.3 25.1 37.7

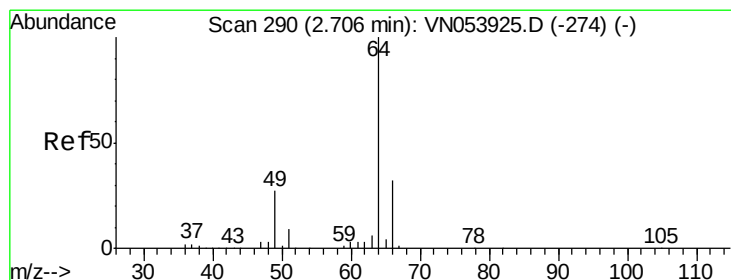
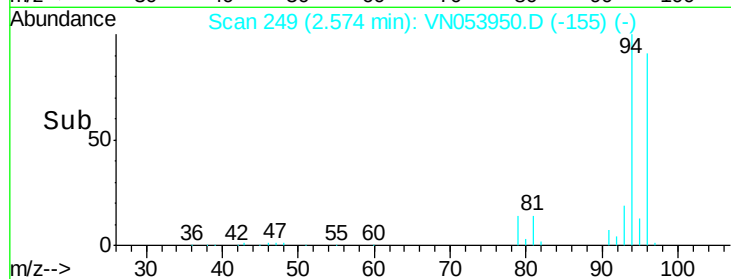
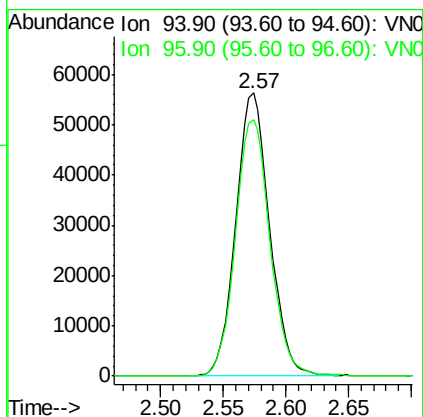
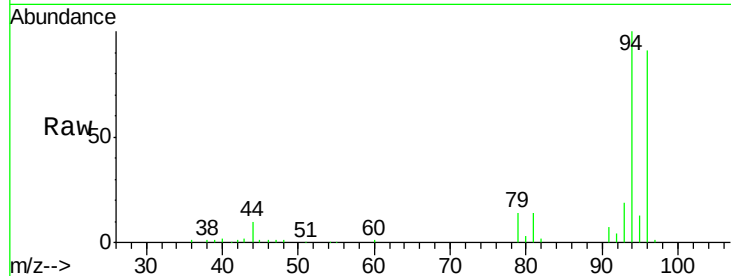




#5
Bromomethane
Concen: 19.897 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

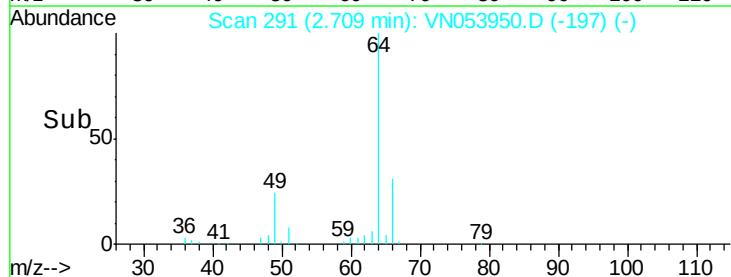
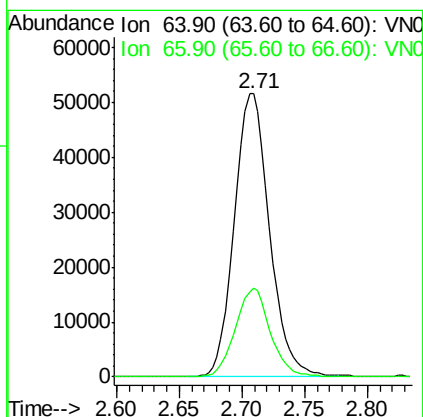
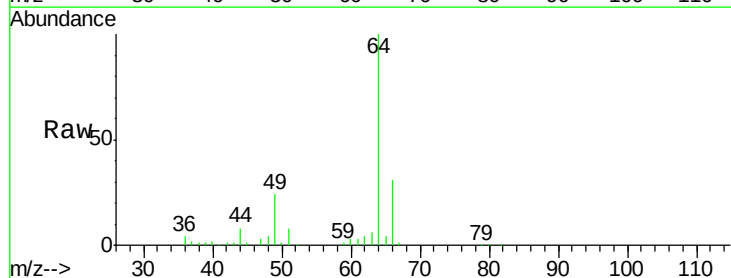
Instrument :
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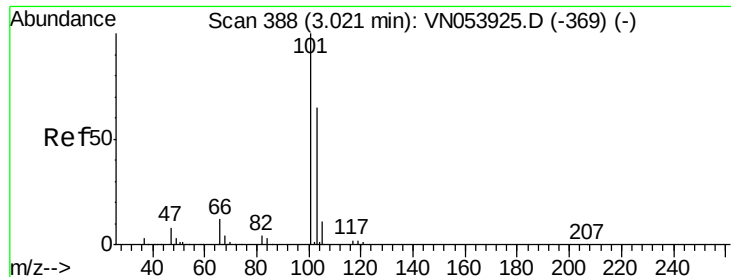
Tot Ion: 94 Resp: 105508
Ion Ratio Lower Upper
94 100
96 90.6 74.9 112.3



#6
Chloroethane
Concen: 20.273 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 64 Resp: 100951
Ion Ratio Lower Upper
64 100
66 31.4 25.5 38.3



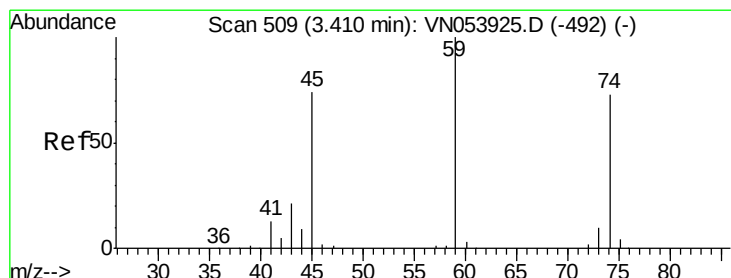
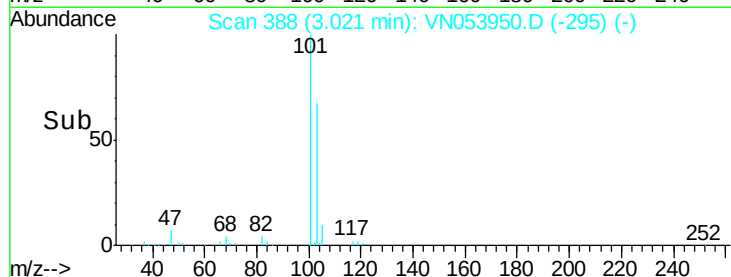
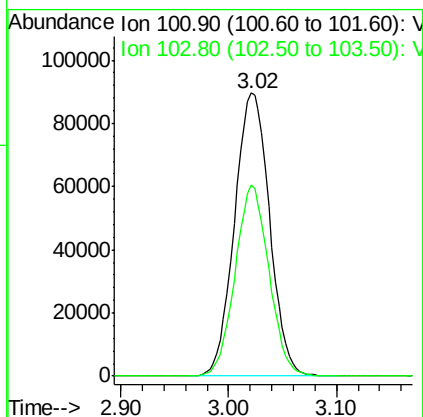
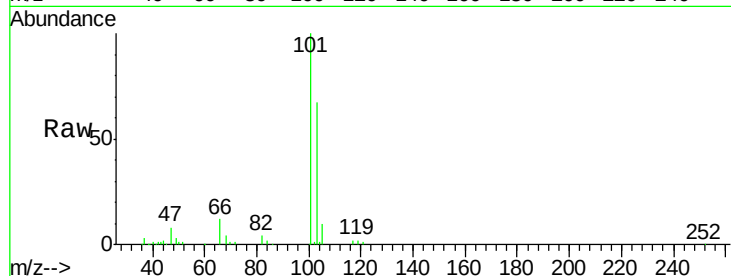


#7

Trichlorofluoromethane
 Concen: 19.854 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

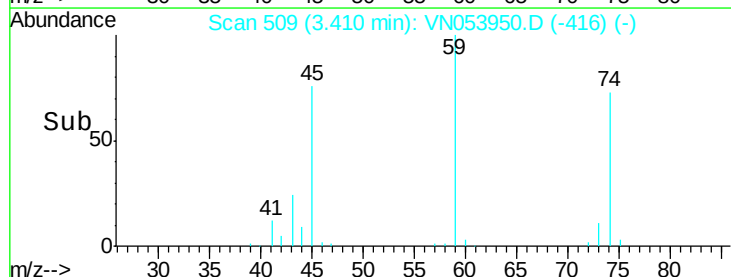
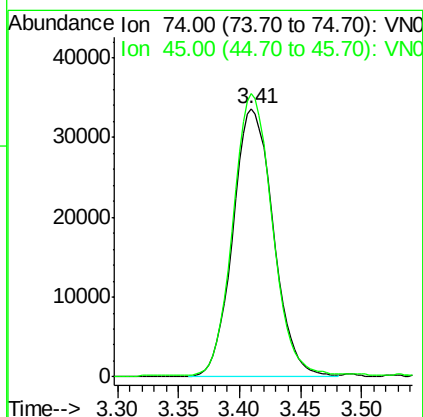
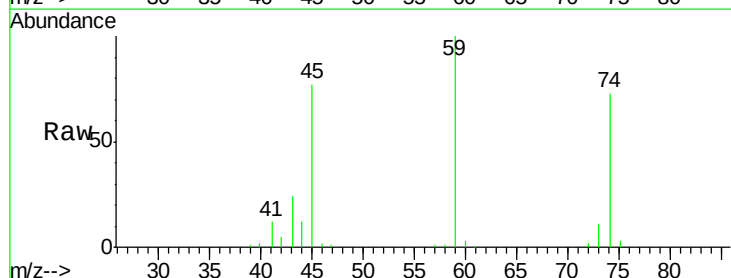
Tot Ion:101 Resp: 203086
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.9 77.9

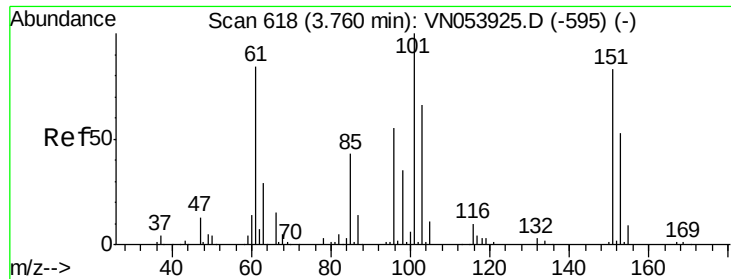


#8

Diethyl Ether
 Concen: 20.233 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 74 Resp: 77539
 Ion Ratio Lower Upper
 74 100
 45 101.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.548 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0226WBSD01

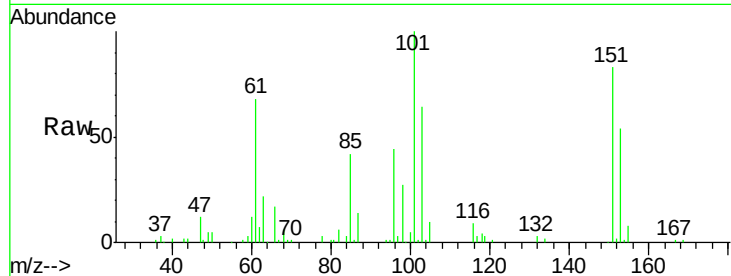
Tot Ion:101 Resp: 126287

Ion Ratio Lower Upper

101 100

85 44.1 32.5 48.7

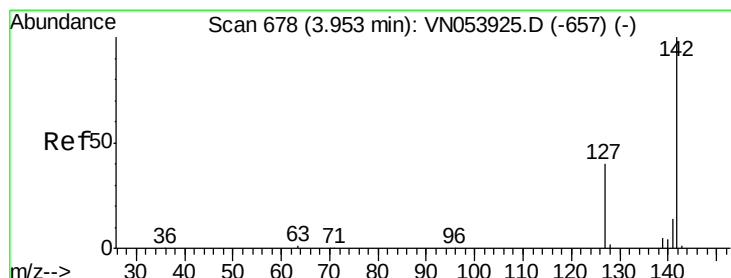
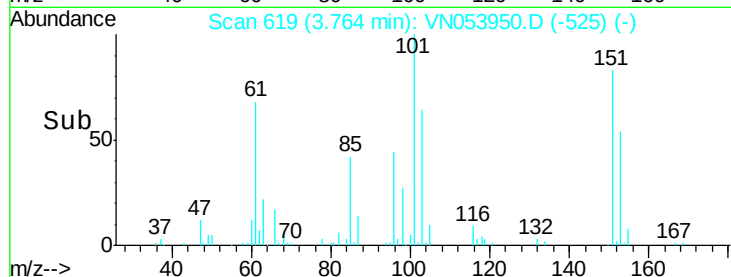
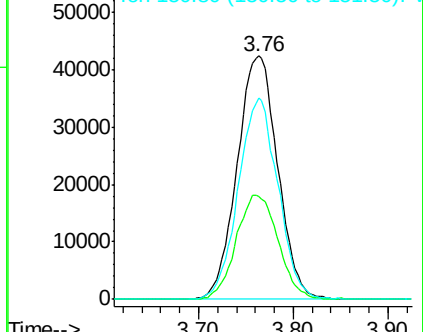
151 81.2 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.118 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

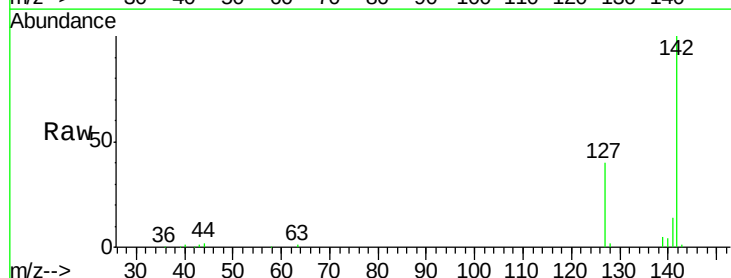
Tgt Ion:142 Resp: 170781

Ion Ratio Lower Upper

142 100

127 40.5 31.0 46.4

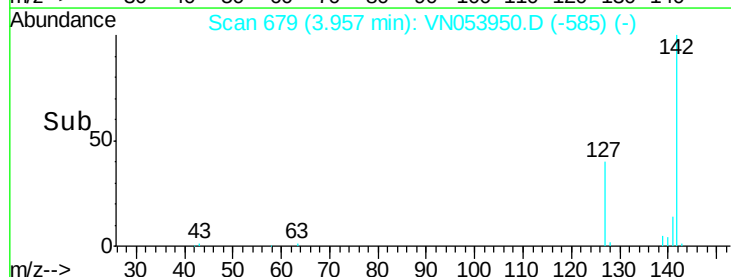
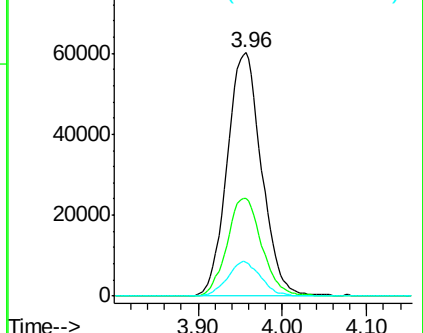
141 13.7 11.3 16.9

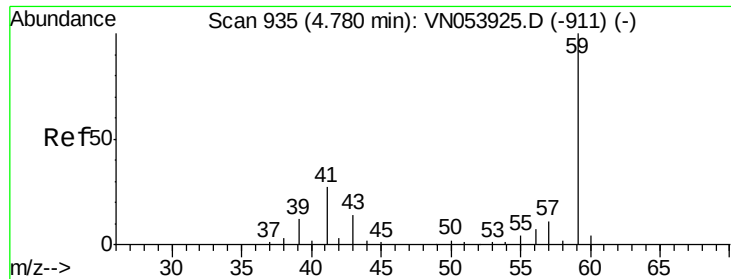


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

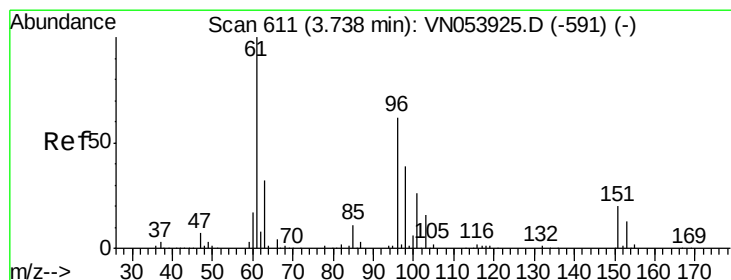
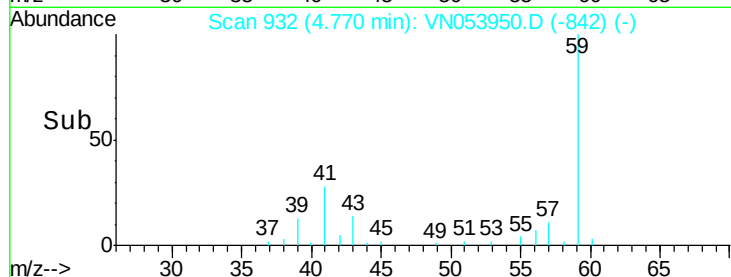
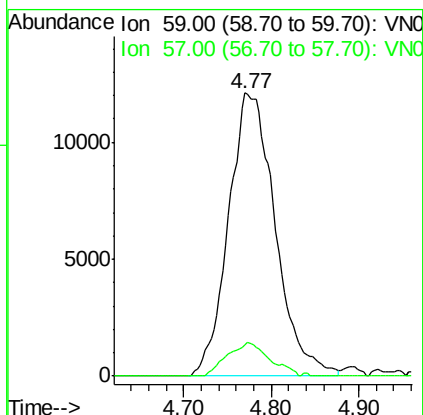
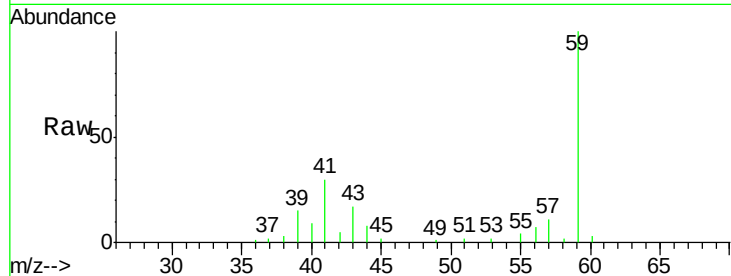




#11
Tert butyl alcohol
Concen: 96.568 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

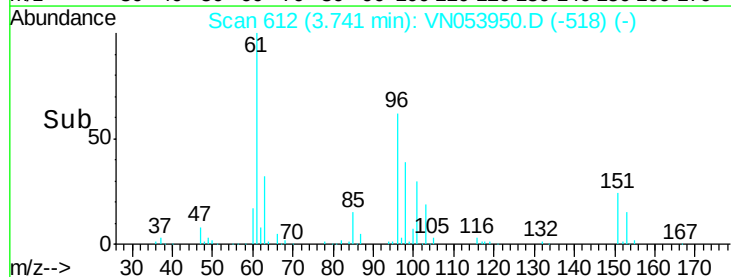
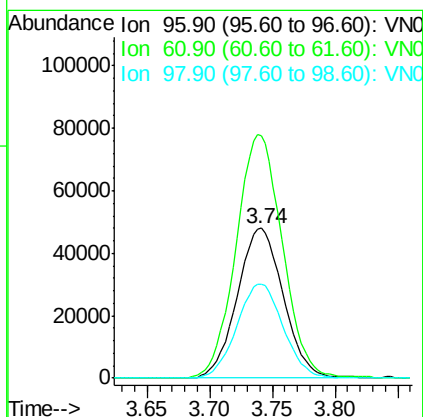
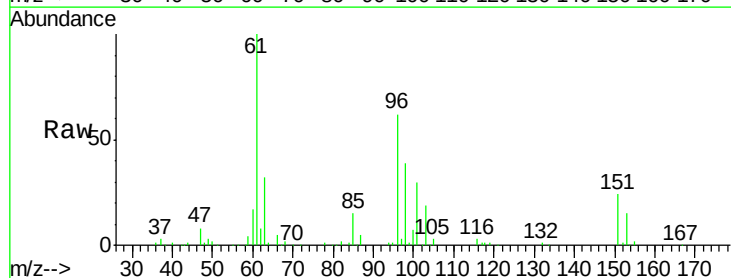
Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

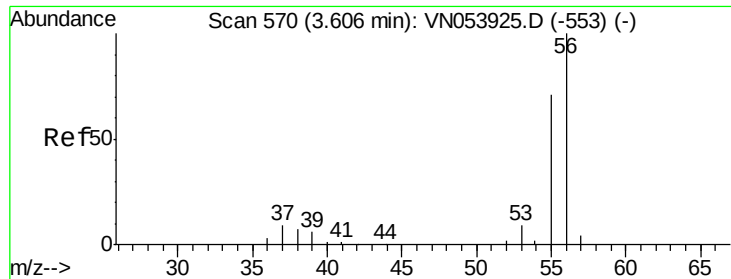
Tot Ion: 59 Resp: 44922
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1



#12
1,1-Dichloroethene
Concen: 19.798 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 96 Resp: 122342
Ion Ratio Lower Upper
96 100
61 161.1 121.0 181.4
98 62.9 52.2 78.2

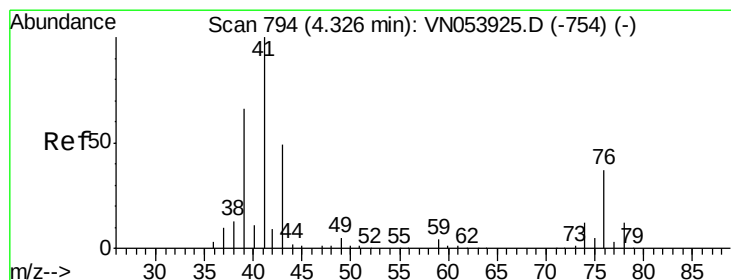
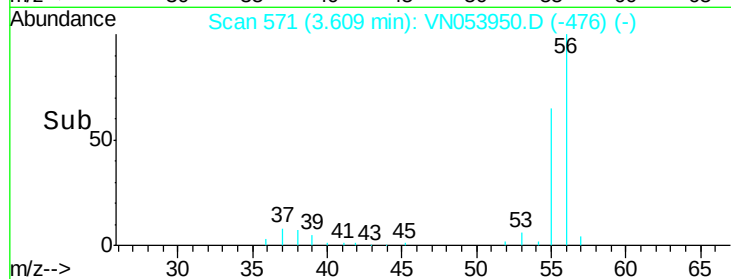
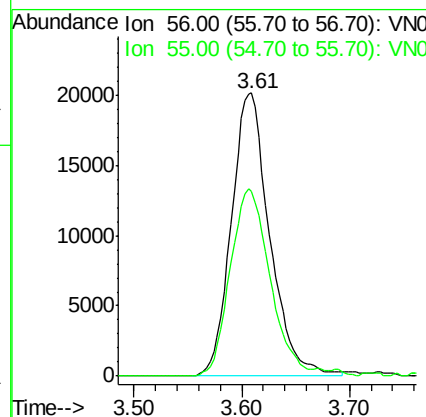
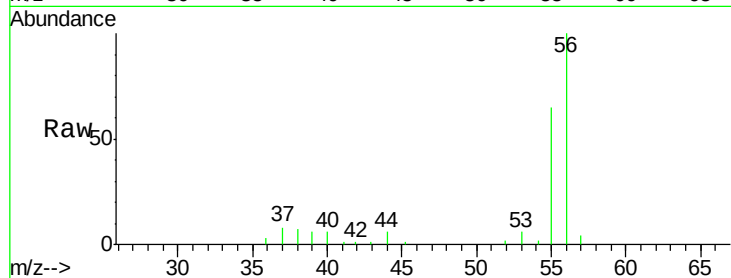




#13
Acrolein
Concen: 103.597 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

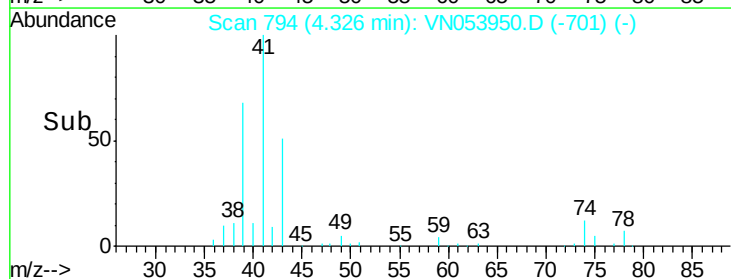
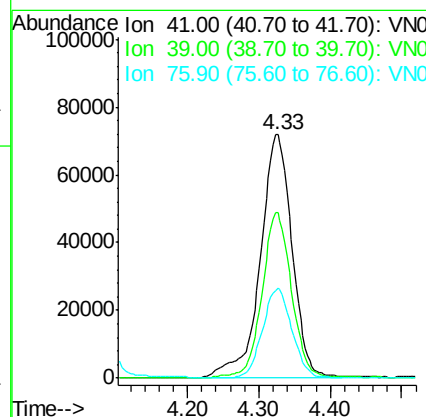
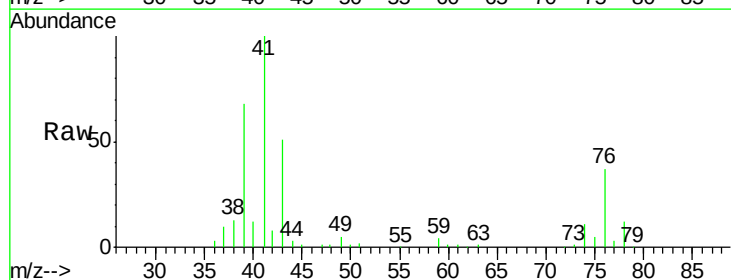
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

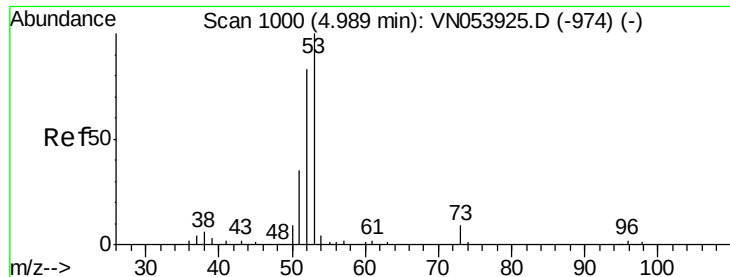
Tot Ion: 56 Resp: 49895
Ion Ratio Lower Upper
56 100
55 68.4 56.3 84.5



#14
Allyl chloride
Concen: 20.532 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 41 Resp: 222529
Ion Ratio Lower Upper
41 100
39 63.3 48.8 73.2
76 34.1 30.9 46.3





#15

Acrylonitrile

Concen: 103.887 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

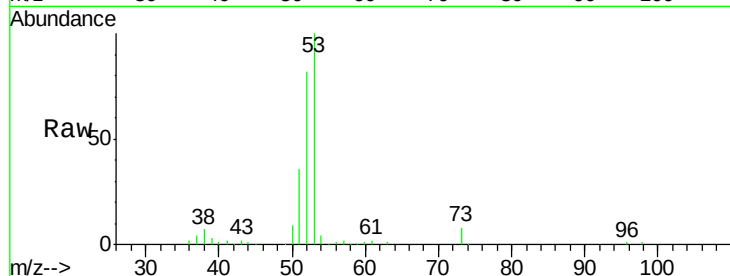
Tot Ion: 53 Resp: 254706

Ion Ratio Lower Upper

53 100

52 81.4 65.1 97.7

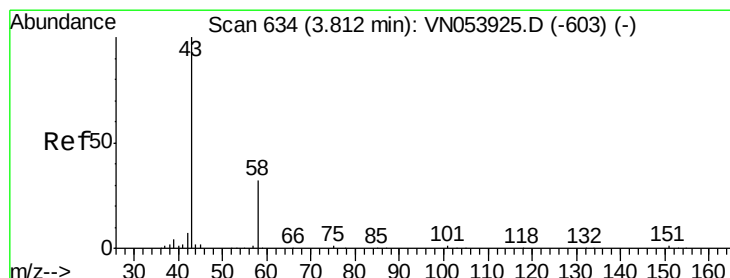
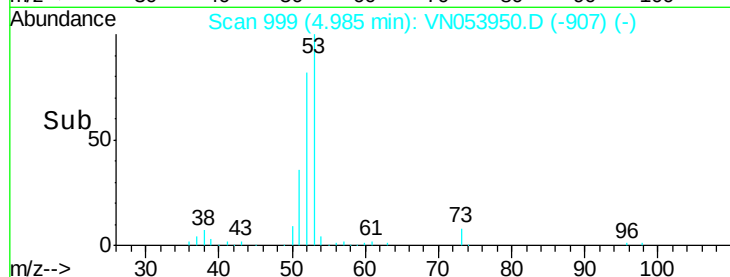
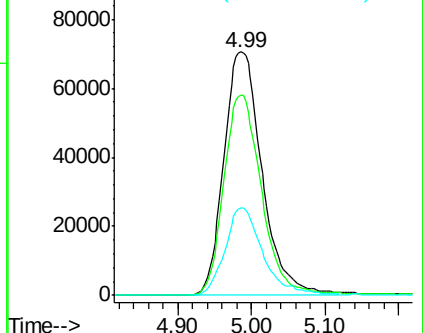
51 35.7 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 99.250 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053950.D

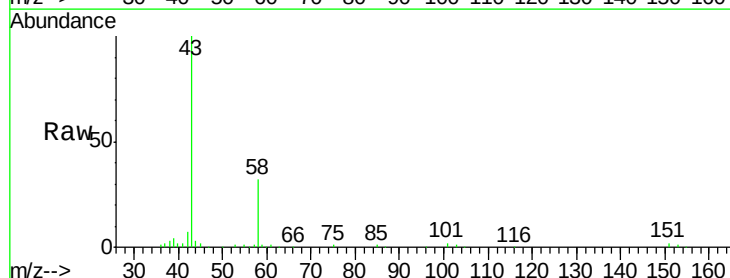
Acq: 26 Feb 2019 13:03

Tgt Ion: 43 Resp: 207031

Ion Ratio Lower Upper

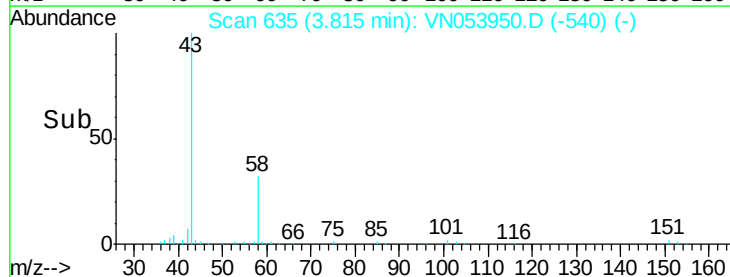
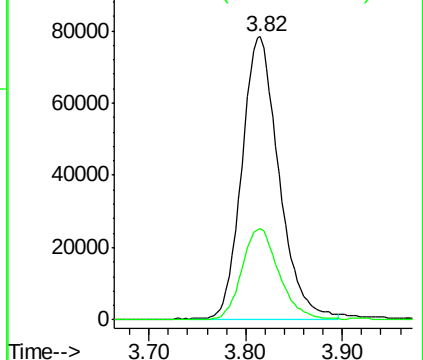
43 100

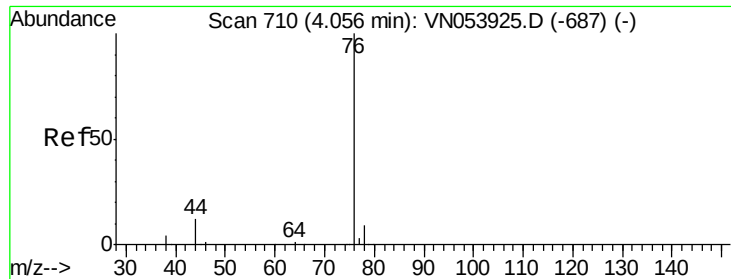
58 32.2 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.011 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

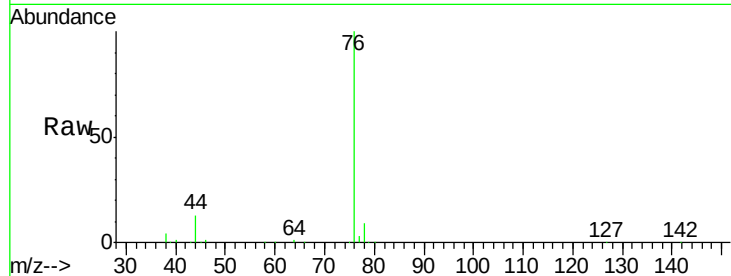
VN0226WBSD01

Tot Ion: 76 Resp: 378997

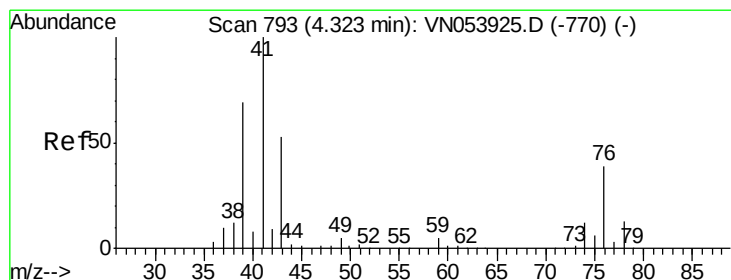
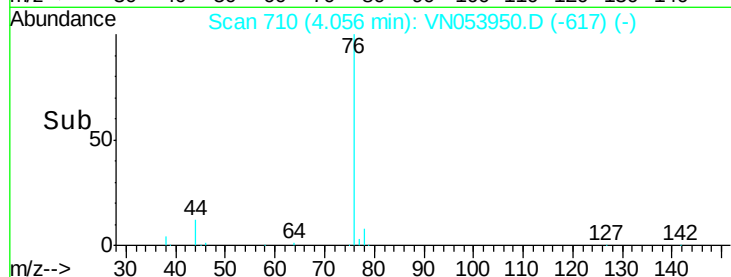
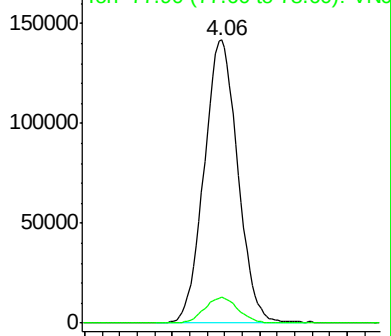
Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053950.D (-617) (-)



#18

Methyl Acetate

Concen: 20.729 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053950.D

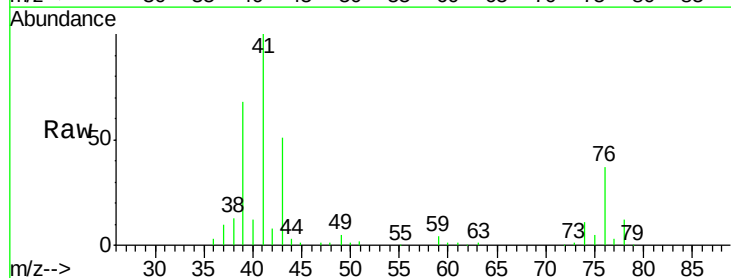
Acq: 26 Feb 2019 13:03

Tgt Ion: 43 Resp: 106360

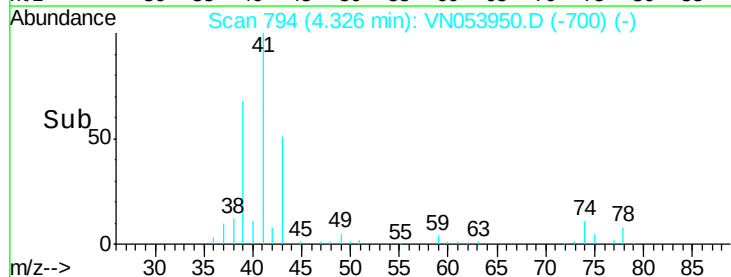
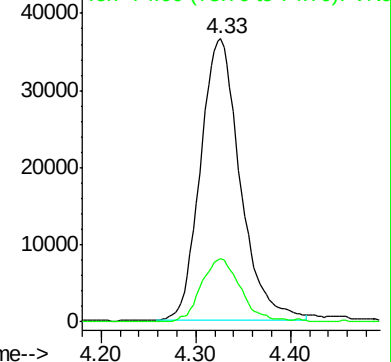
Ion Ratio Lower Upper

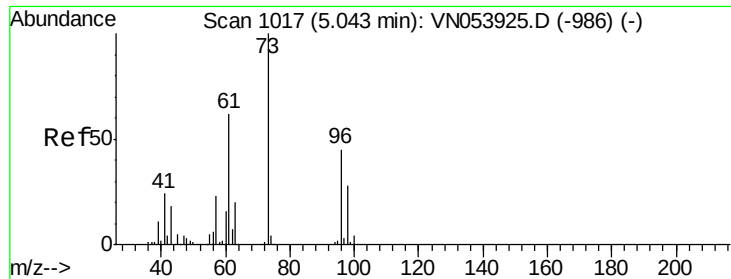
43 100

74 22.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053950.D (-700) (-)

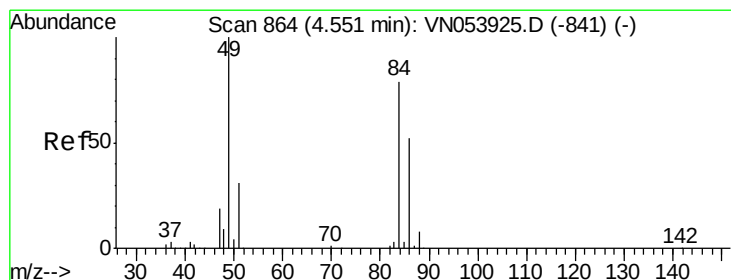
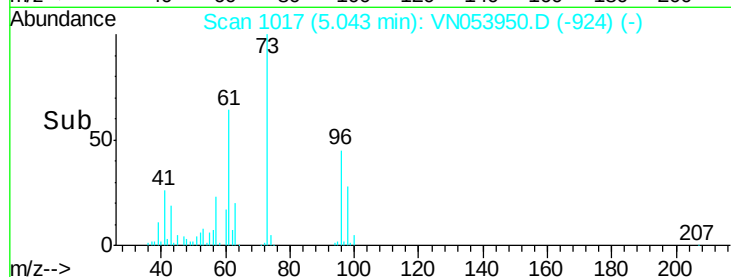
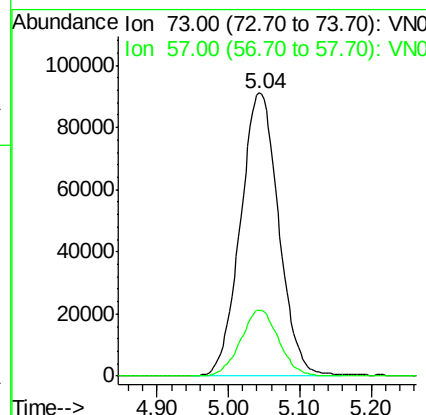
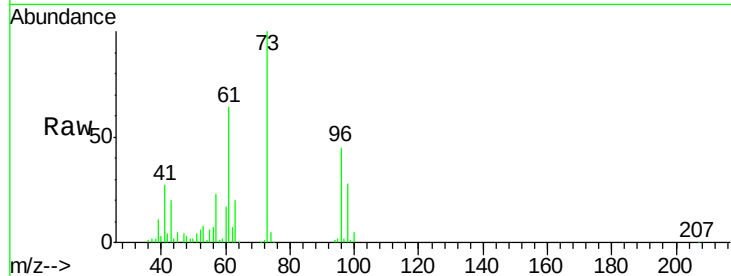




#19
Methyl tert-butyl Ether
Concen: 20.540 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

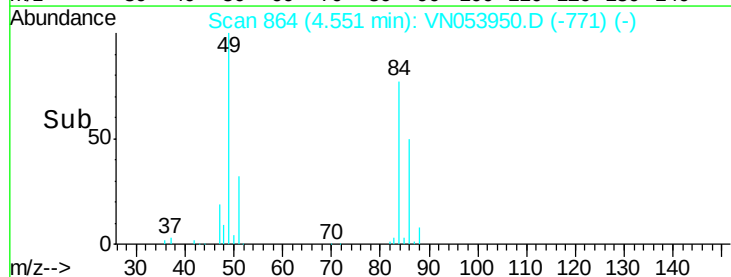
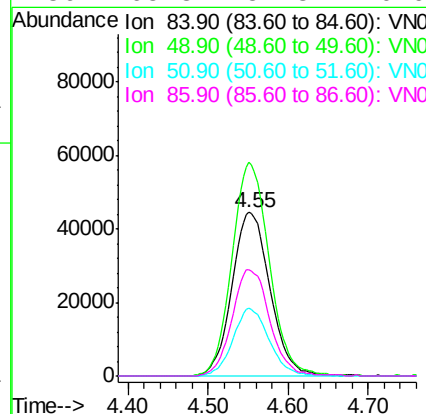
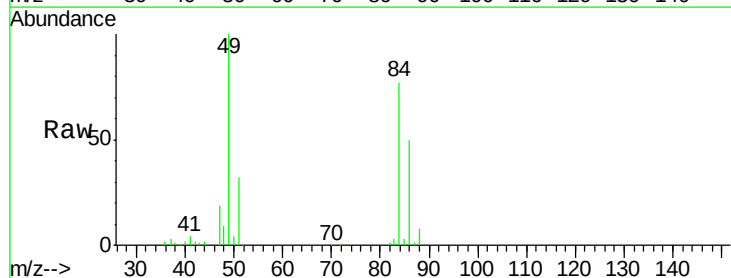
Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

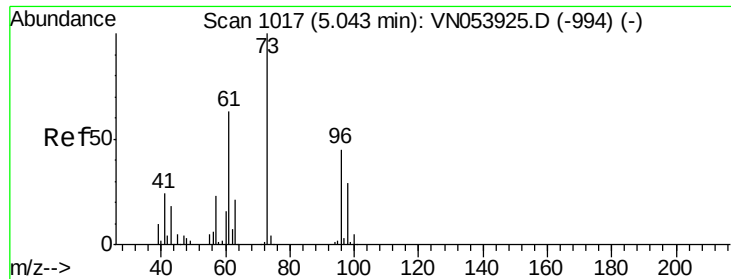
Tot Ion: 73 Resp: 340490
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0



#20
Methylene Chloride
Concen: 19.766 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 84 Resp: 143555
Ion Ratio Lower Upper
84 100
49 130.4 89.7 134.5
51 41.6 27.8 41.8
86 65.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 19.990 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

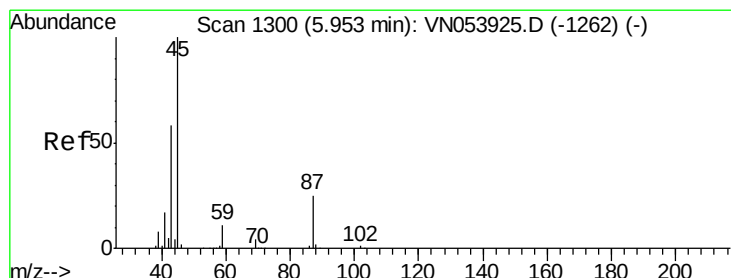
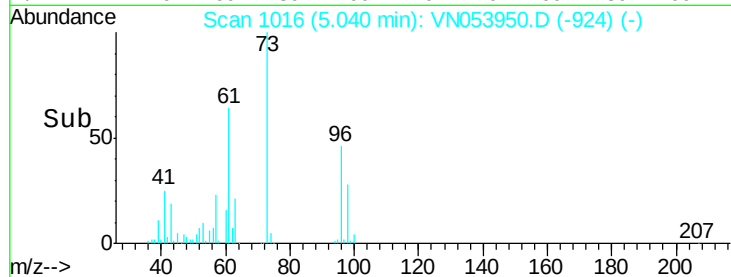
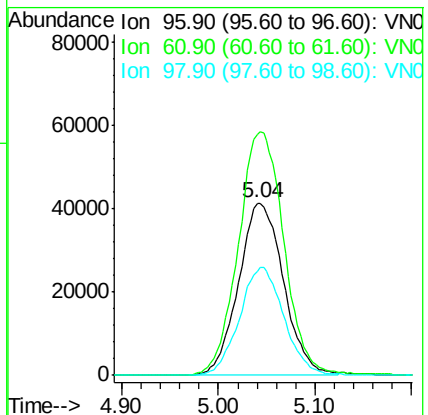
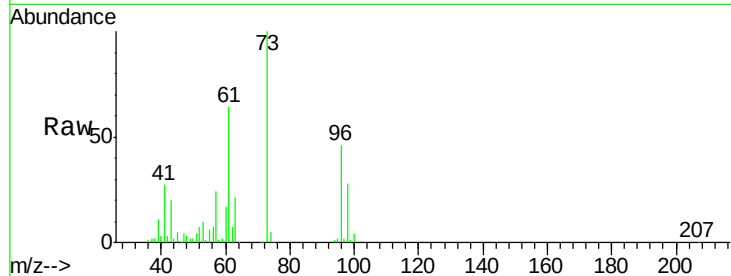
Tot Ion: 96 Resp: 133699

Ion Ratio Lower Upper

96 100

61 139.7 104.5 156.7

98 60.5 50.6 76.0



#22

Diisopropyl ether

Concen: 20.780 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion: 45 Resp: 434504

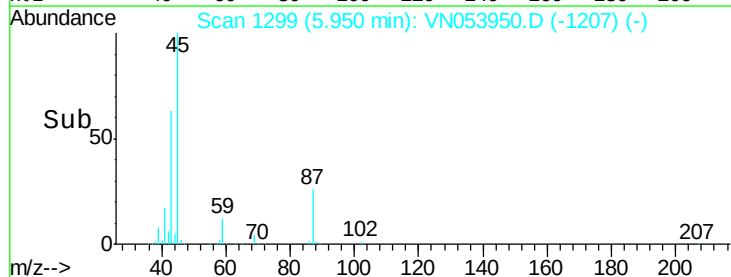
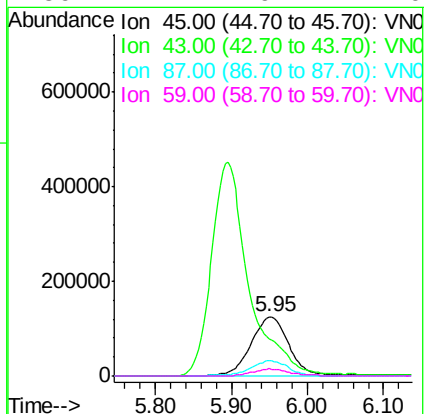
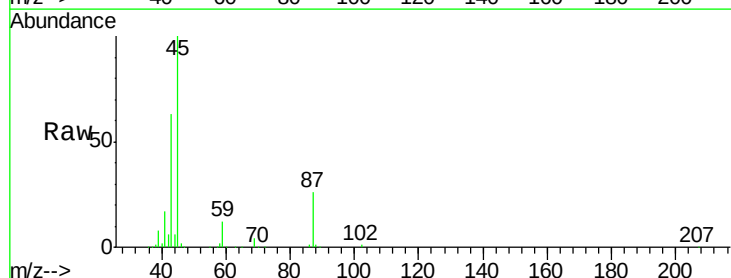
Ion Ratio Lower Upper

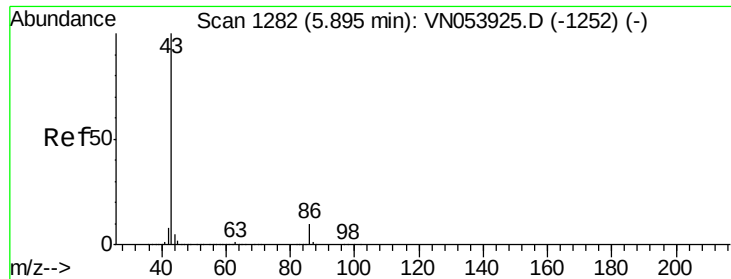
45 100

43 59.6 46.2 69.4

87 25.3 23.4 35.0

59 11.7 9.4 14.0

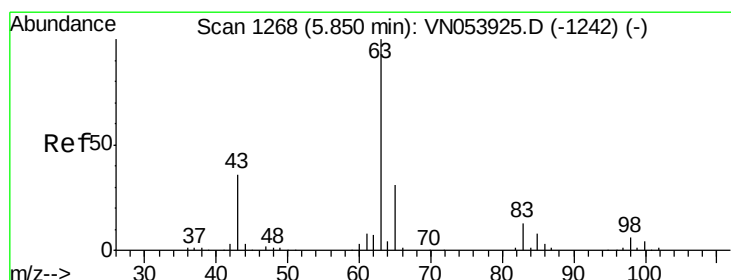
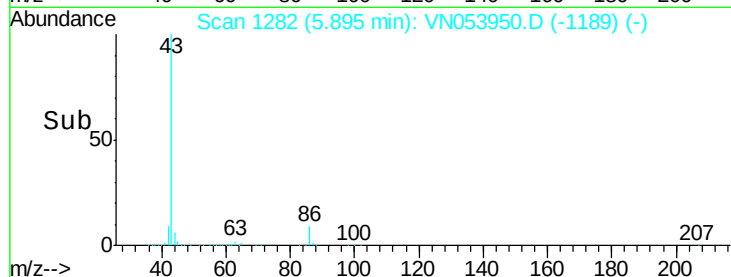
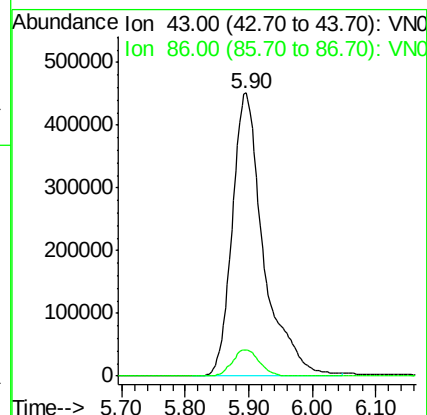
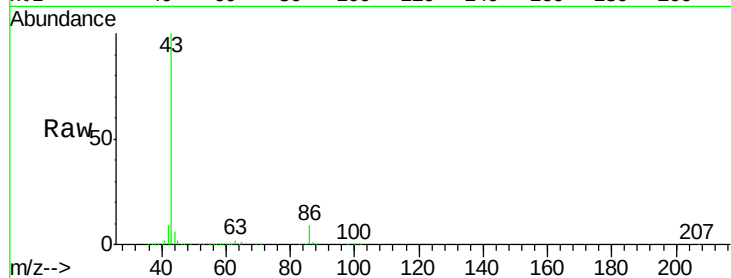




#23
 Vinyl Acetate
 Concen: 102.793 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

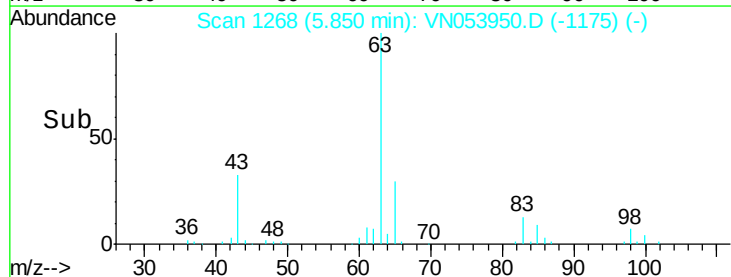
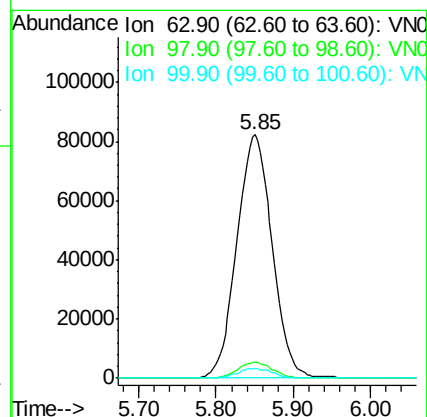
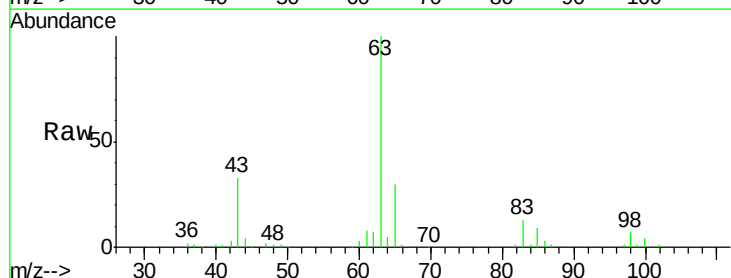
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

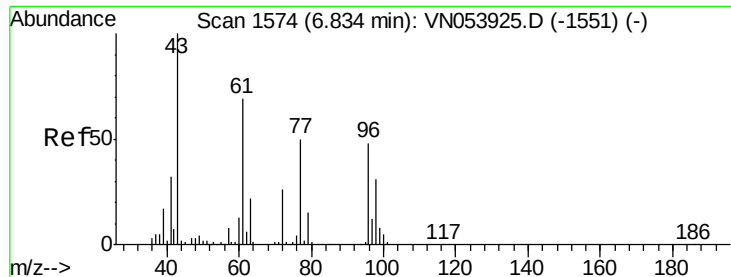
Tot Ion: 43 Resp: 1546193
 Ion Ratio Lower Upper
 43 100
 86 9.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 20.337 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 63 Resp: 260772
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.1 2.2 6.6

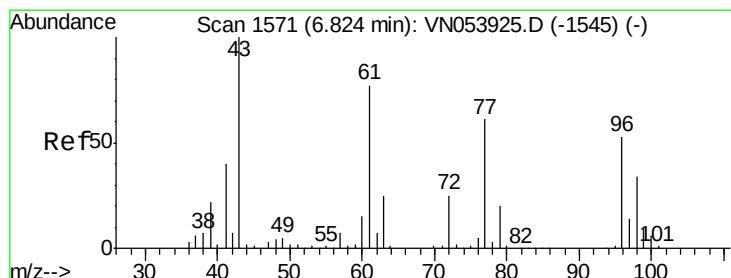
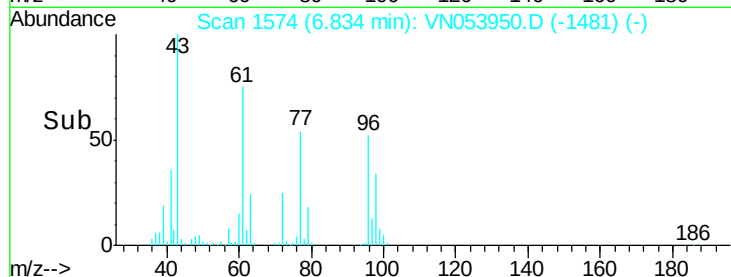
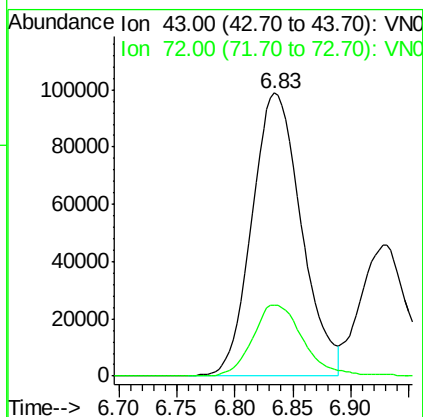
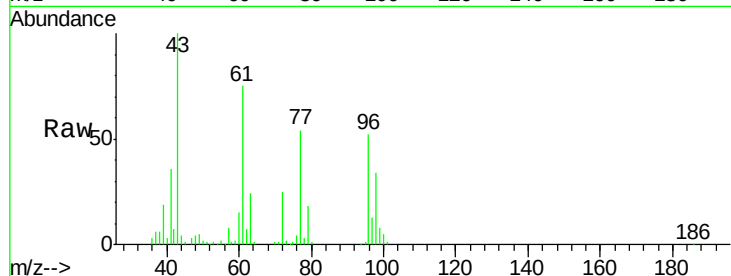




#25
2-Butanone
Concen: 101.389 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

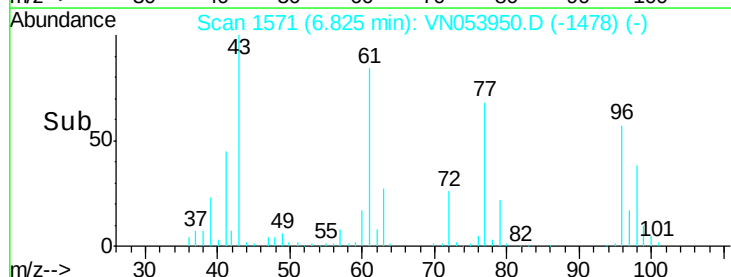
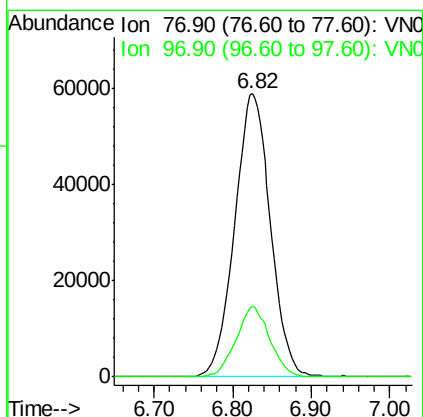
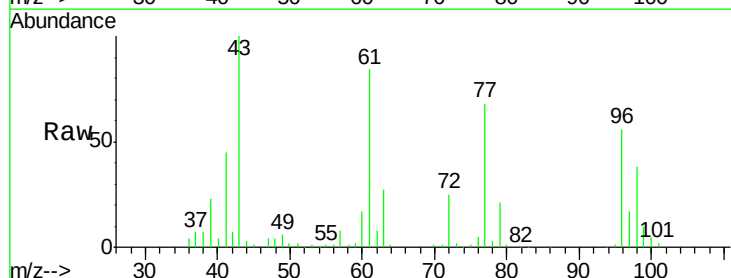
Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

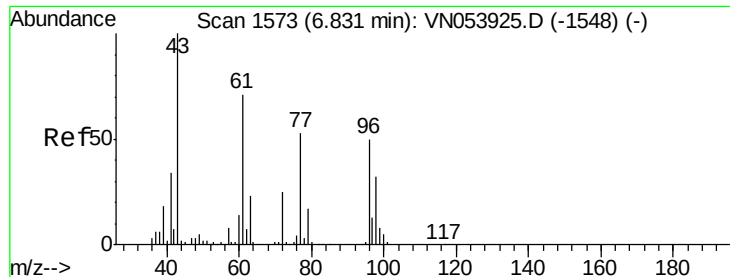
Tot Ion: 43 Resp: 292131
Ion Ratio Lower Upper
43 100
72 25.2 22.1 33.1



#26
2,2-Dichloropropane
Concen: 20.547 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 77 Resp: 187179
Ion Ratio Lower Upper
77 100
97 23.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.111 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

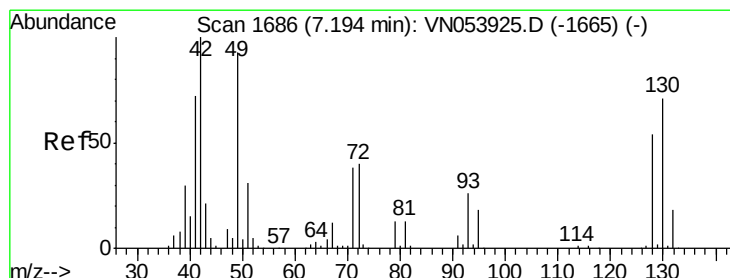
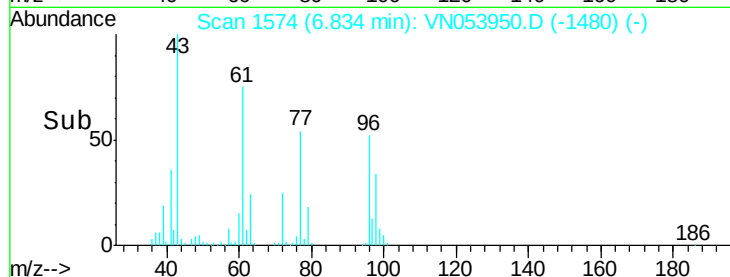
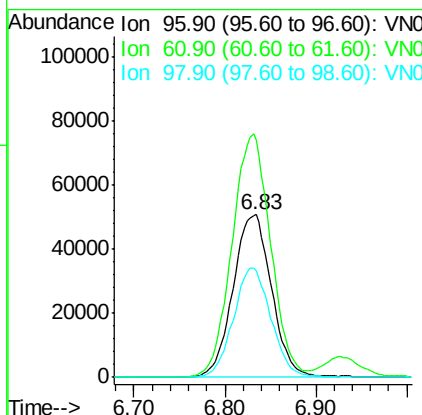
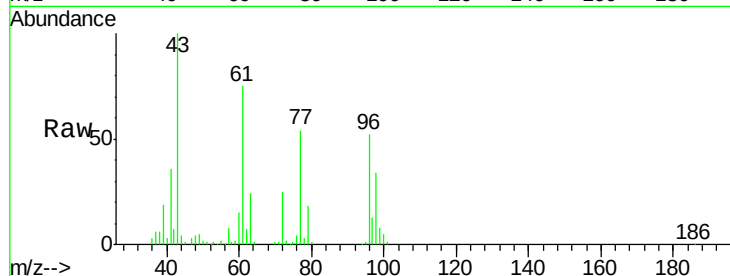
Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

Tot Ion: 96 Resp: 149587

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	275.6
98	66.0	0.0	130.0



#28

Bromochloromethane

Concen: 21.839 ug/l

RT: 7.19 min Scan# 1686

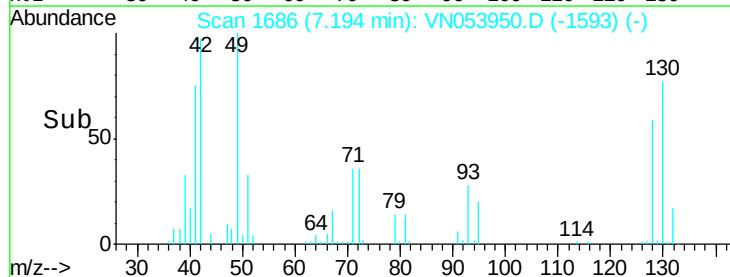
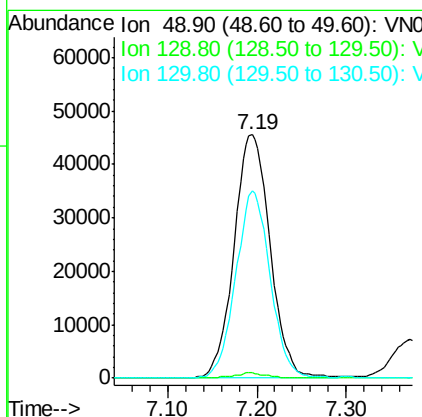
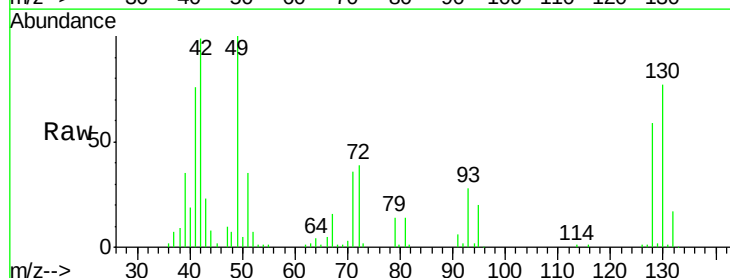
Delta R.T. 0.00 min

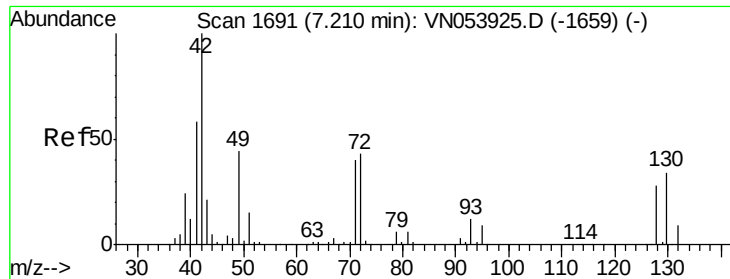
Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion: 49 Resp: 128175

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	73.3	72.9	109.3

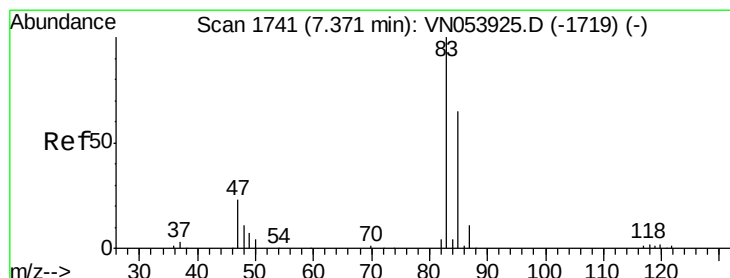
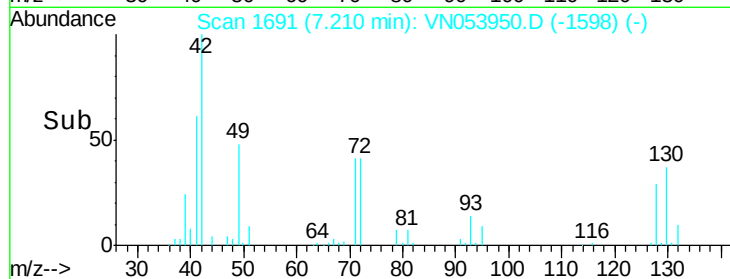
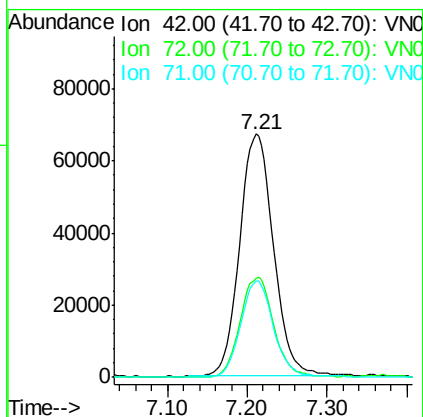
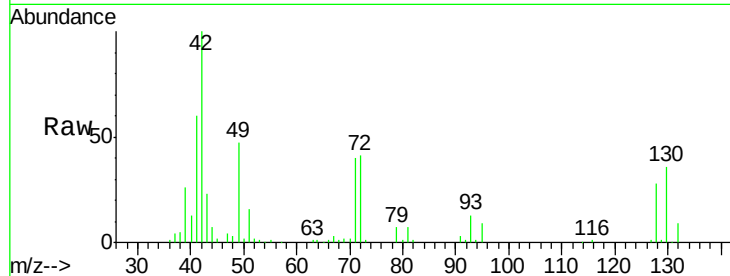




#29
Tetrahydrofuran
Concen: 100.451 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

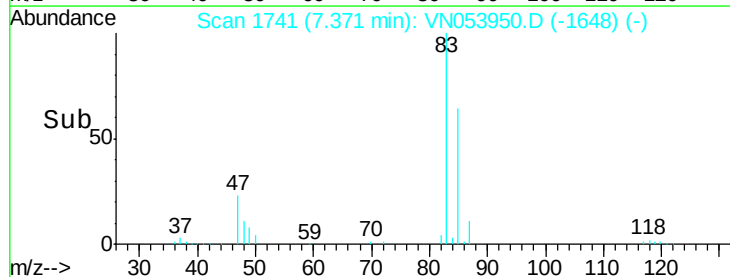
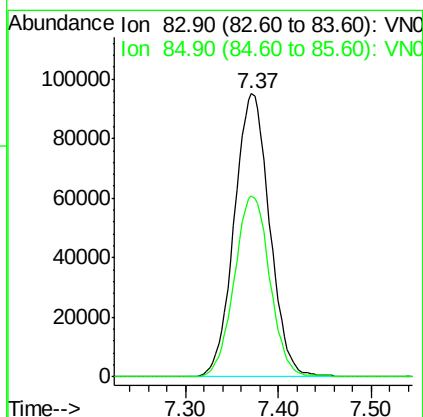
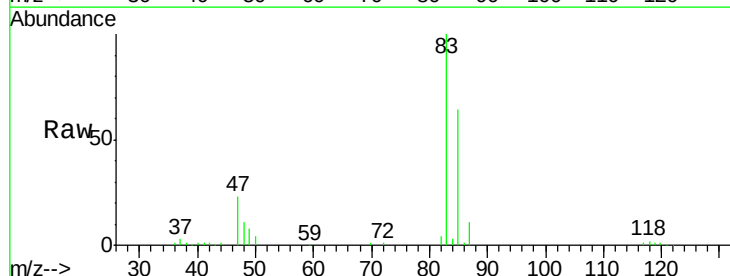
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

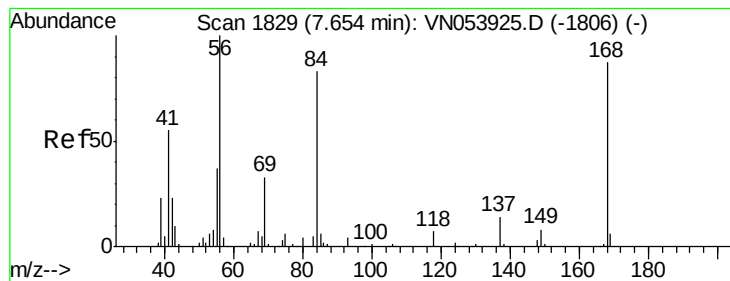
Tot Ion: 42 Resp: 192739
Ion Ratio Lower Upper
42 100
72 41.2 36.9 55.3
71 38.5 34.6 52.0



#30
Chloroform
Concen: 20.262 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 83 Resp: 251931
Ion Ratio Lower Upper
83 100
85 63.9 52.6 78.8





#31

Cyclohexane

Concen: 20.419 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0226WBSD01

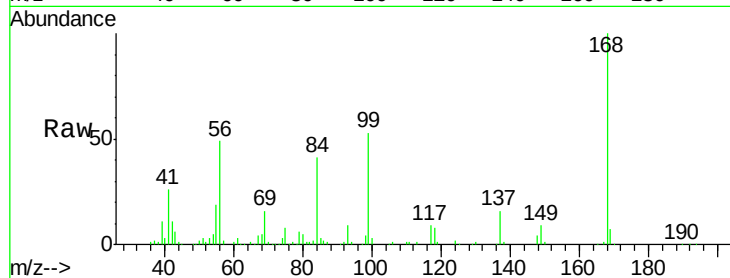
Tot Ion: 56 Resp: 242457

Ion Ratio Lower Upper

56 100

69 33.6 26.0 39.0

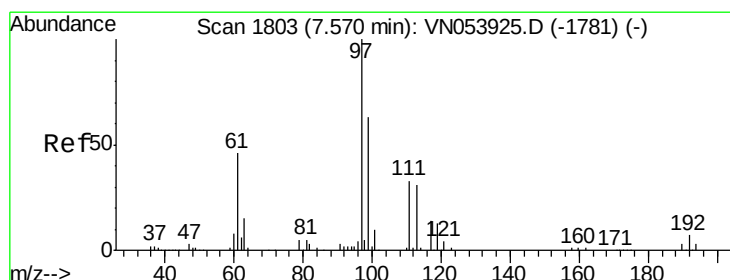
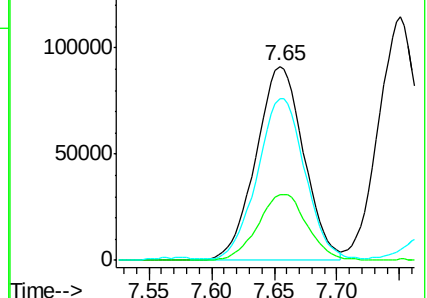
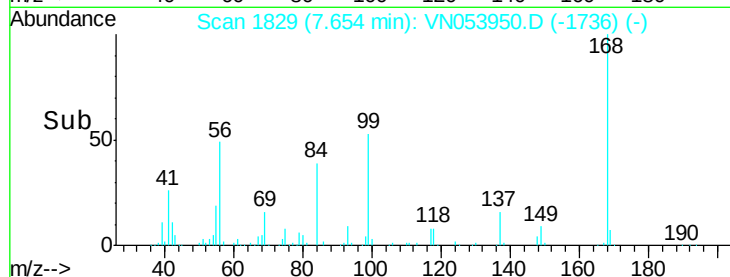
84 82.4 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.126 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

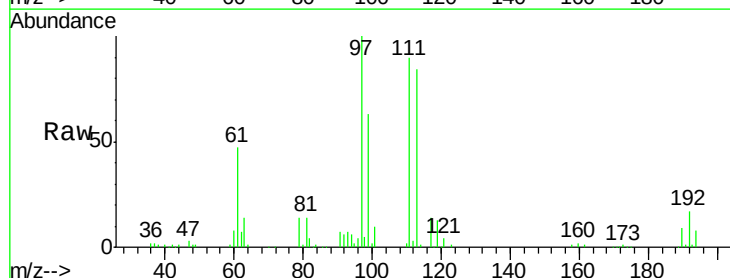
Tgt Ion: 97 Resp: 206323

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.8

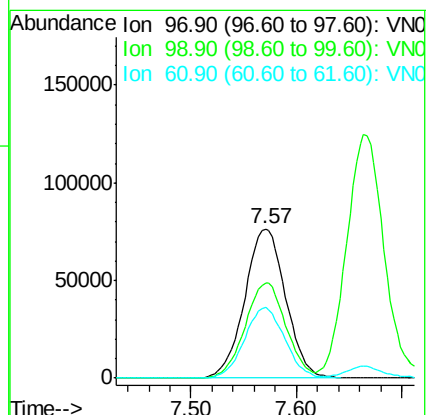
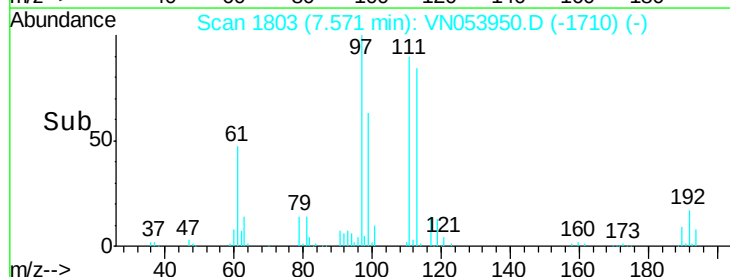
61 46.5 33.2 49.8

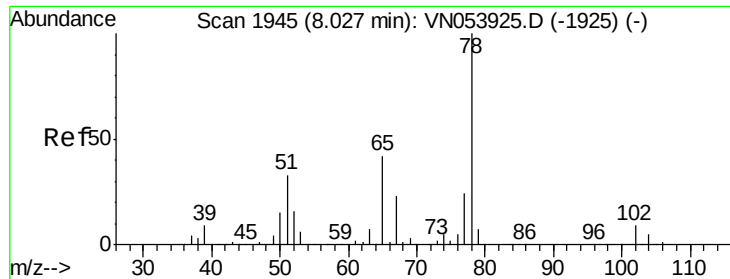


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

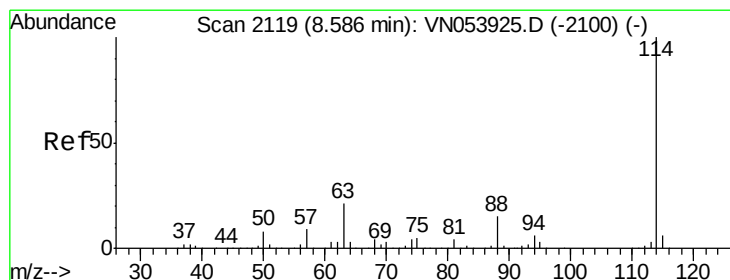
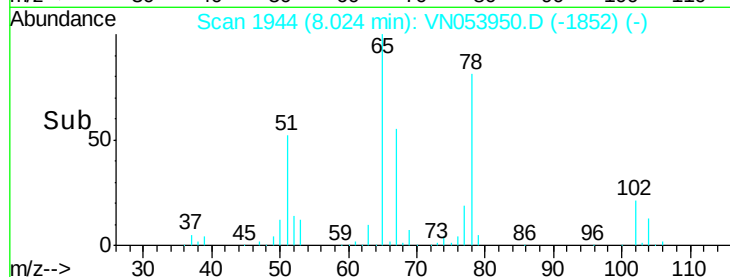
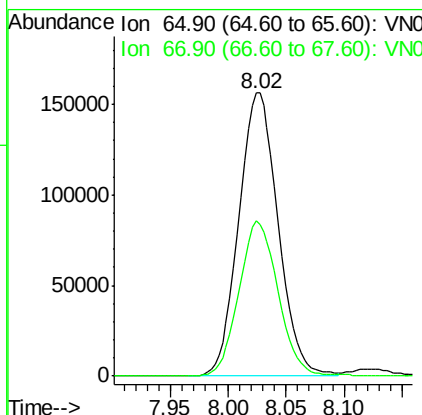
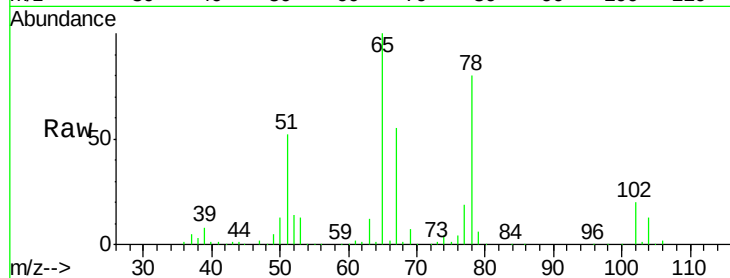




#33
 1,2-Dichloroethane-d4
 Concen: 50.448 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

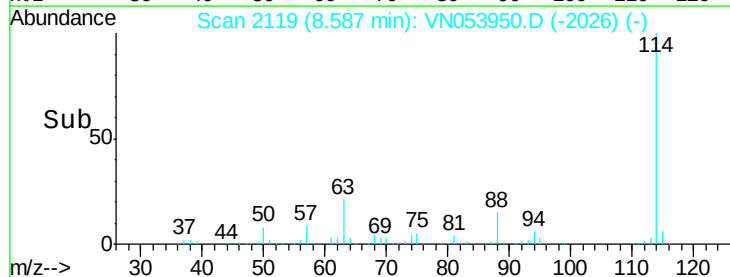
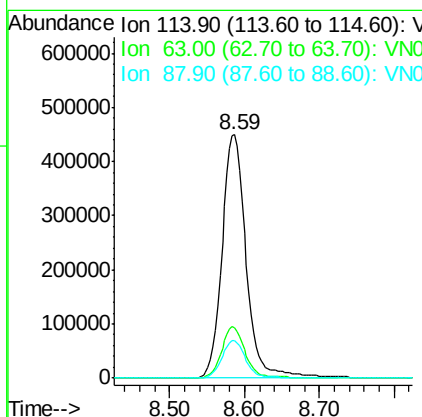
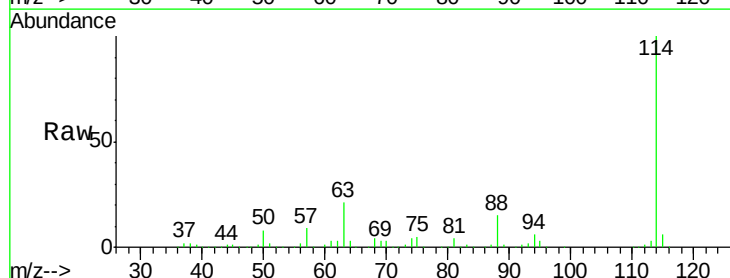
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

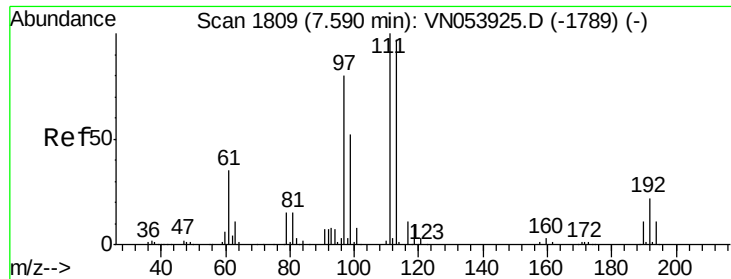
Tot Ion: 65 Resp: 370186
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 114 Resp: 1001600
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 37.4
 88 15.2 0.0 30.4

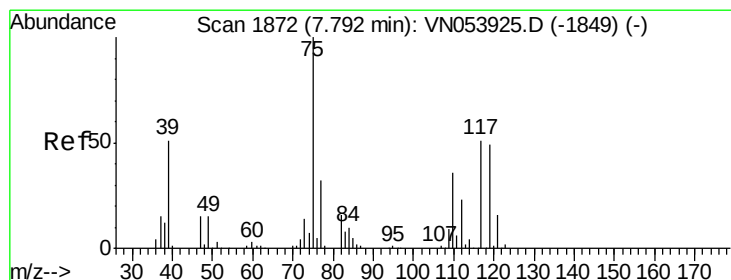
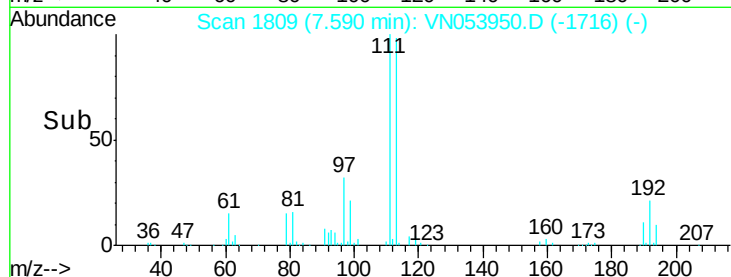
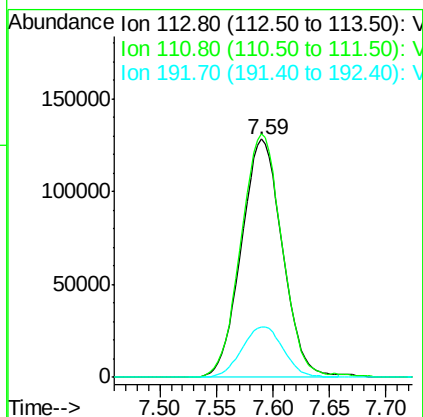
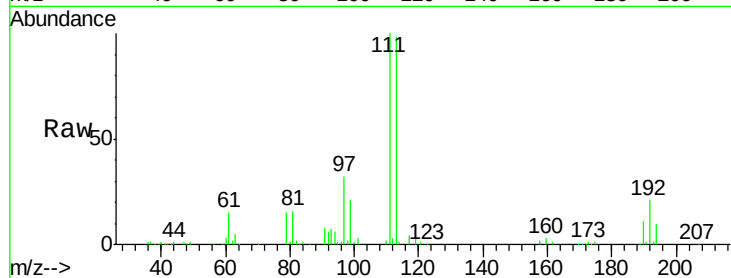




#35
 Dibromofluoromethane
 Concen: 49.902 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

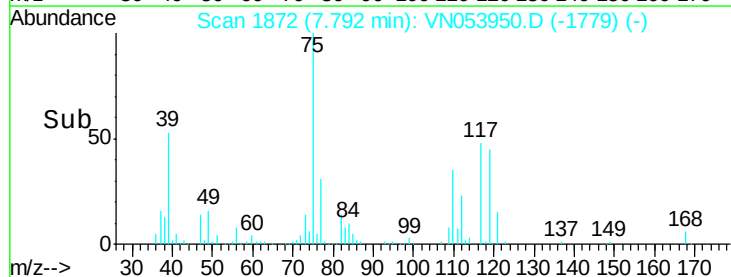
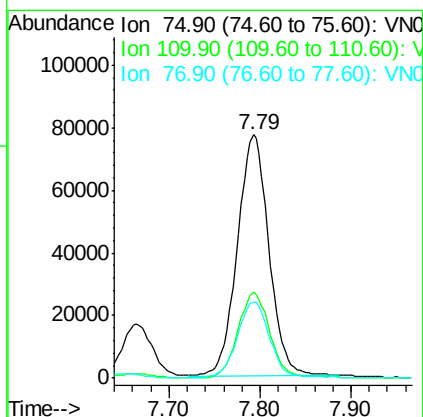
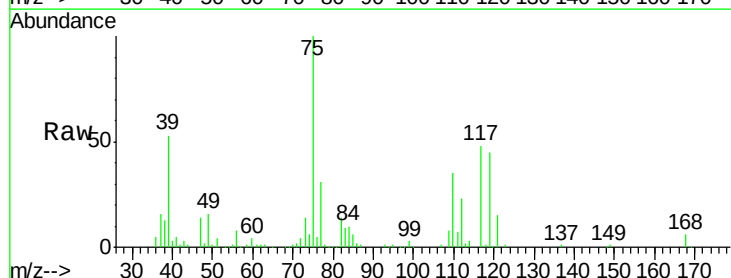
Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBSD01

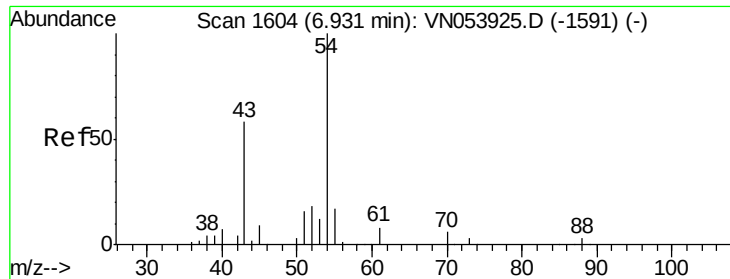
Tot Ion:113 Resp: 323213
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.1 121.7
 192 21.6 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 20.064 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 75 Resp: 186891
 Ion Ratio Lower Upper
 75 100
 110 35.8 19.0 57.0
 77 32.2 25.4 38.0

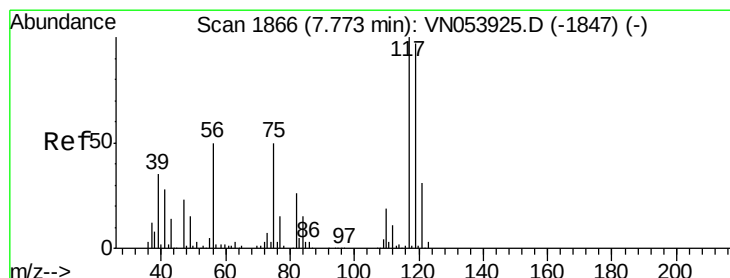
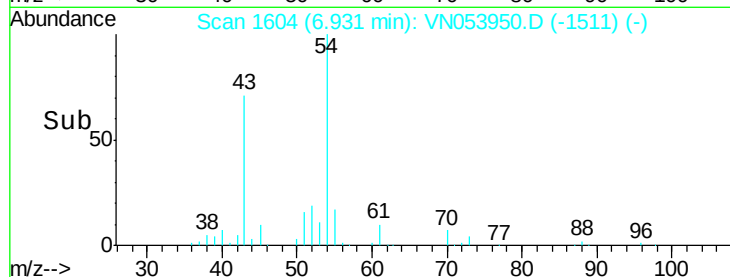
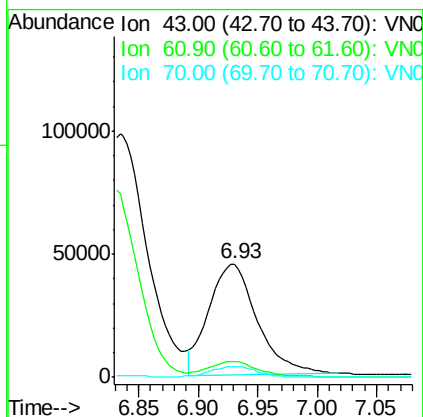
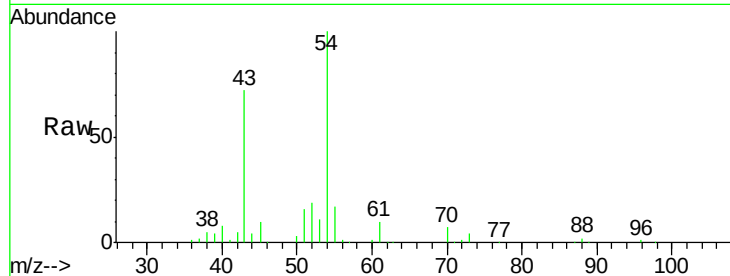




#37
Ethyl Acetate
Concen: 19.223 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

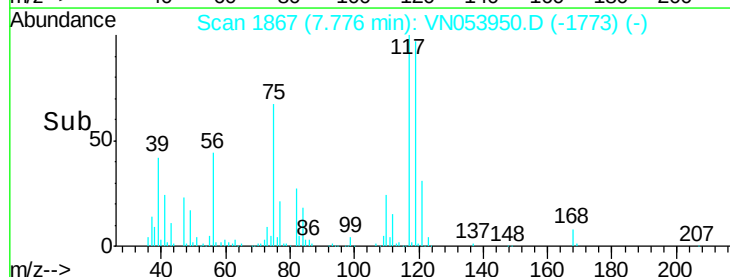
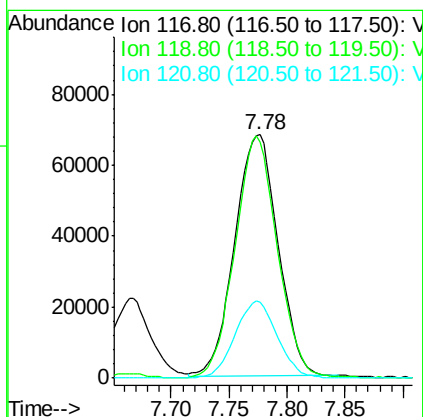
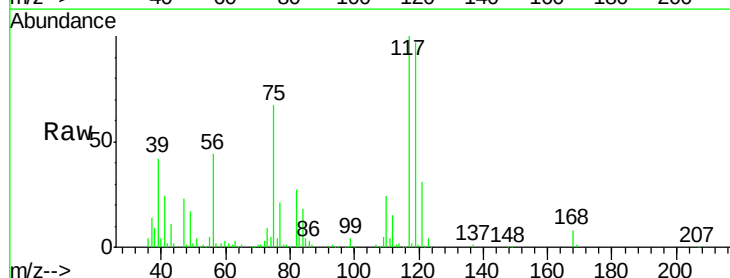
Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

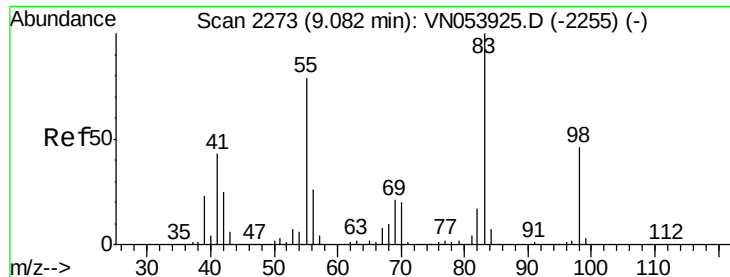
Tot Ion: 43 Resp: 127848
Ion Ratio Lower Upper
43 100
61 12.5 12.0 18.0
70 9.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.313 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 117 Resp: 177402
Ion Ratio Lower Upper
117 100
119 97.7 76.2 114.2
121 31.3 24.6 36.8

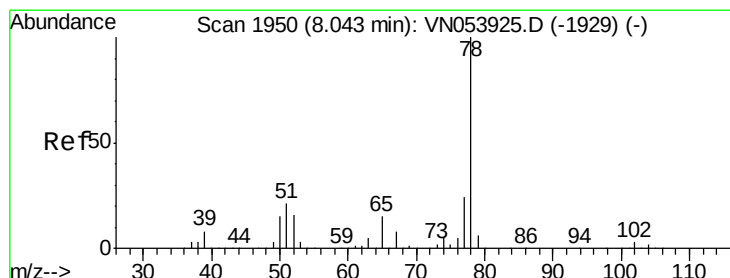
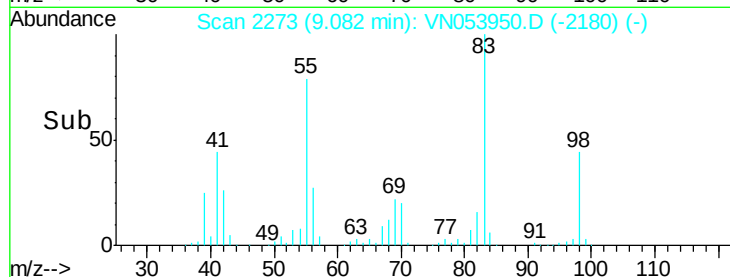
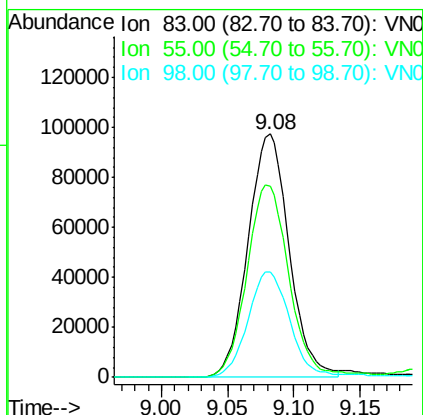
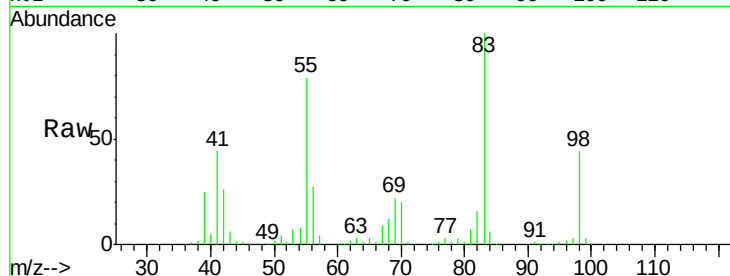




#39
Methylvlcyclohexane
Concen: 18.805 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

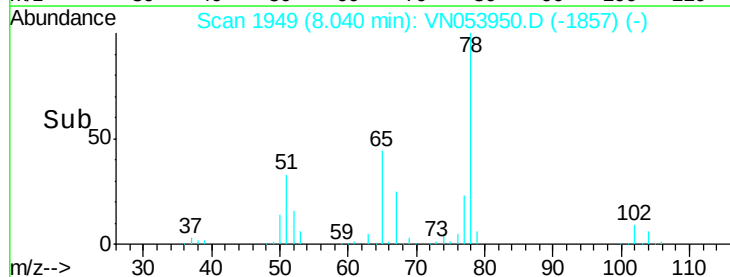
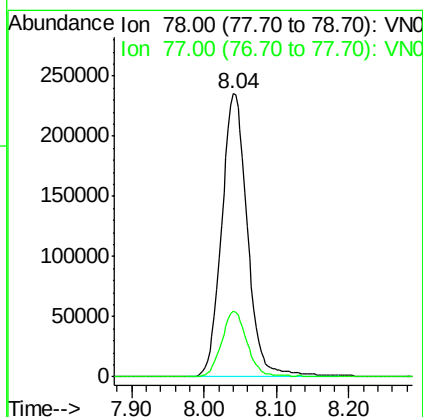
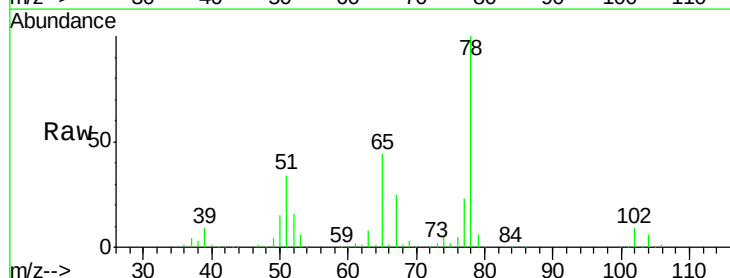
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

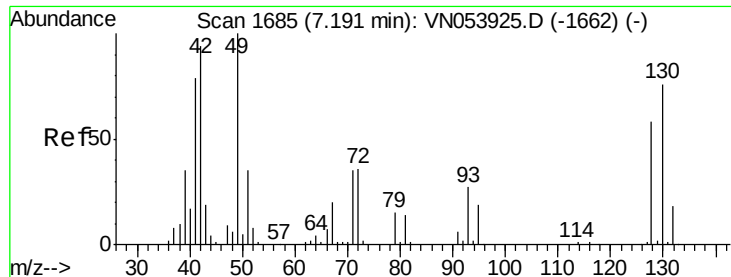
Tot Ion: 83 Resp: 211123
Ion Ratio Lower Upper
83 100
55 78.6 58.2 87.4
98 43.5 37.2 55.8



#40
Benzene
Concen: 20.335 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 78 Resp: 581874
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#41

Methacrylonitrile

Concen: 15.989 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 41 Resp: 68475

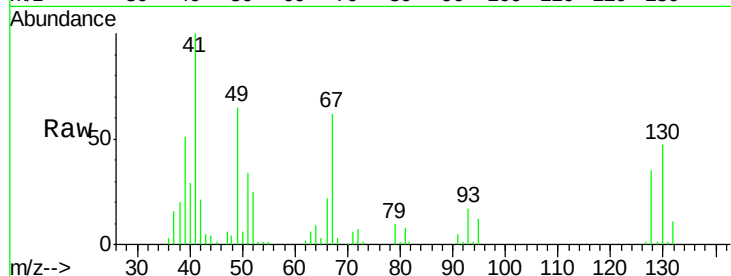
Ion Ratio Lower Upper

41 100

39 55.2 0.0 0.0#

67 80.6 0.0 0.0#

52 34.8 0.0 0.0#

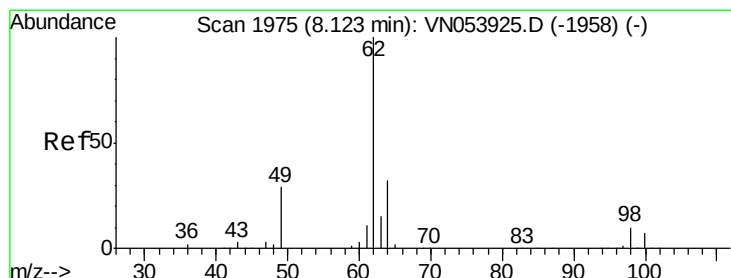
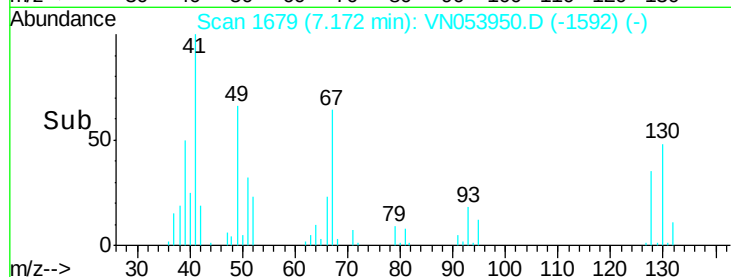
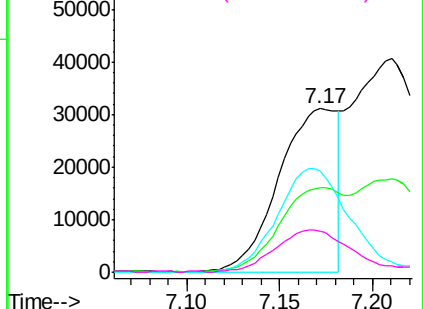


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 20.550 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053950.D

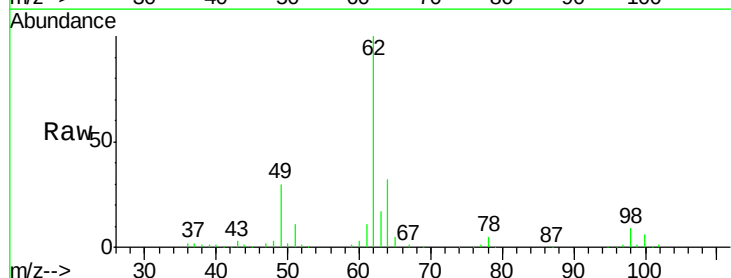
Acq: 26 Feb 2019 13:03

Tgt Ion: 62 Resp: 182052

Ion Ratio Lower Upper

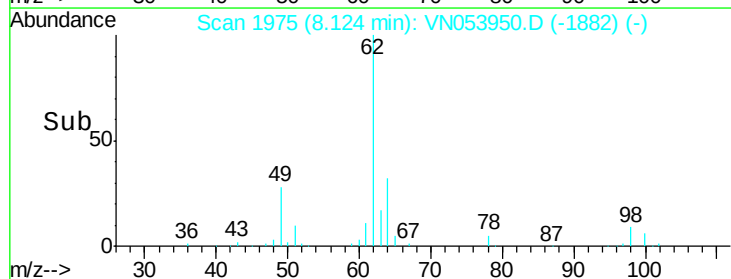
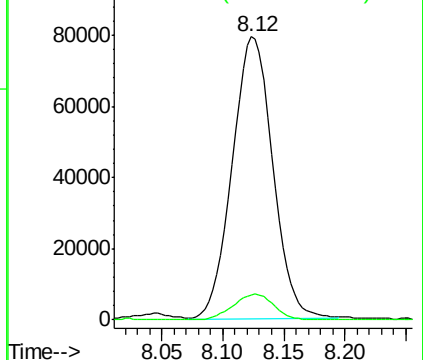
62 100

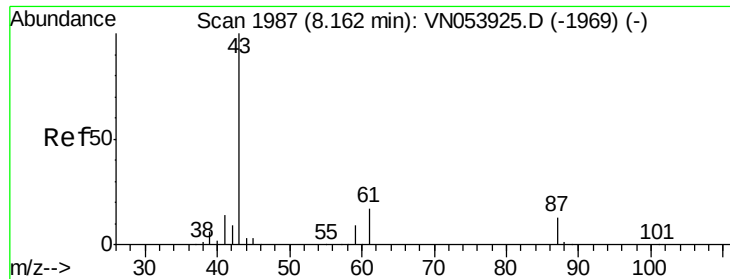
98 9.2 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.190 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

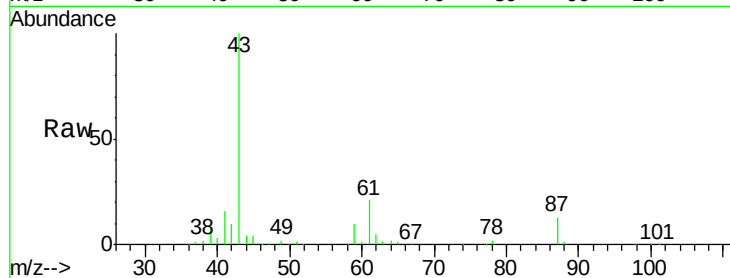
Tot Ion: 43 Resp: 215493

Ion Ratio Lower Upper

43 100

61 28.0 17.4 26.0#

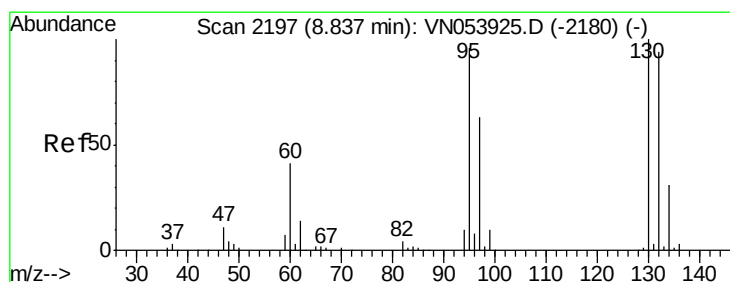
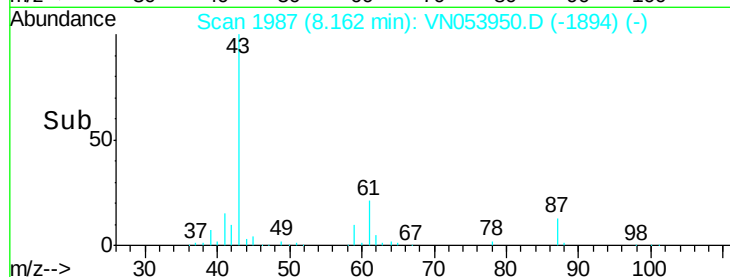
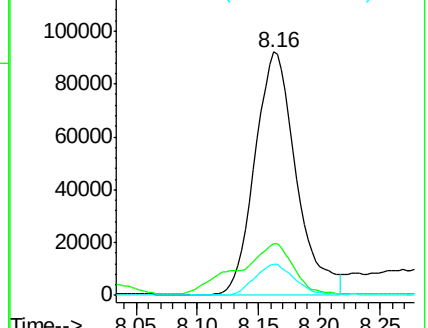
87 12.4 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053950.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053950.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053950.D (-1894) (-)



#44

Trichloroethene

Concen: 19.171 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053950.D

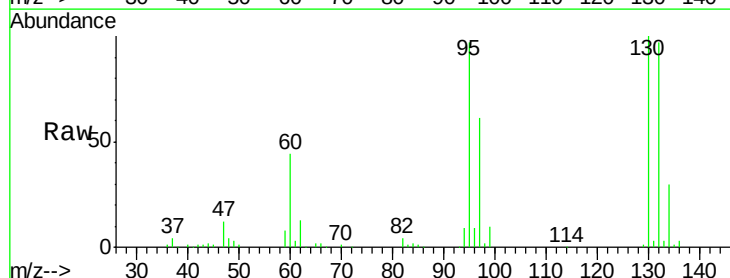
Acq: 26 Feb 2019 13:03

Tgt Ion:130 Resp: 145429

Ion Ratio Lower Upper

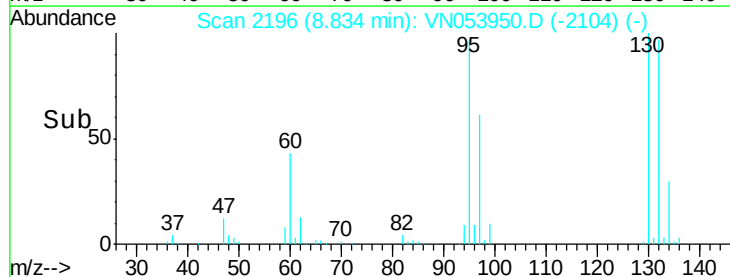
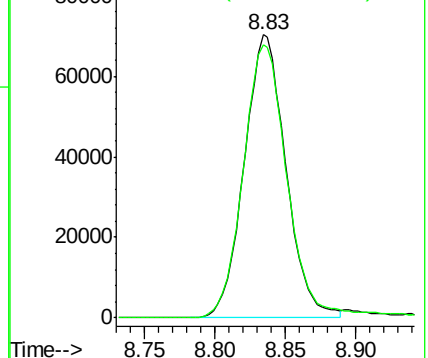
130 100

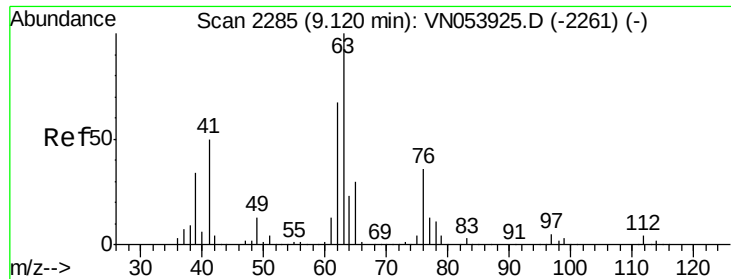
95 96.7 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053950.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053950.D (-2104) (-)

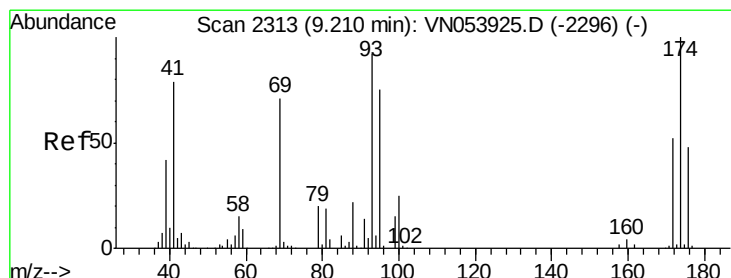
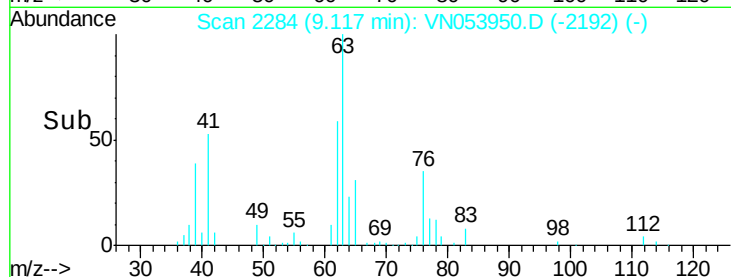
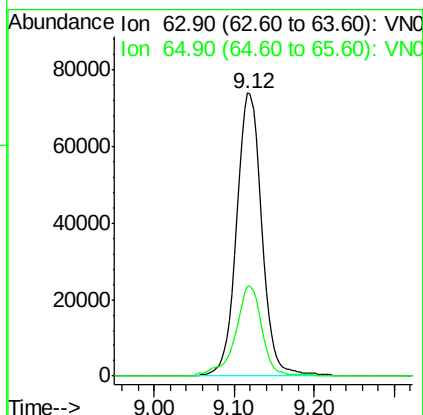
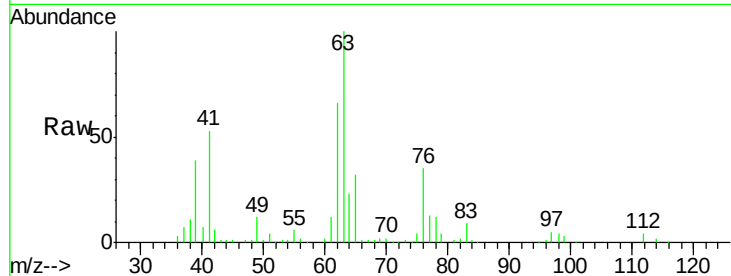




#45
 1,2-Dichloropropane
 Concen: 20.373 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

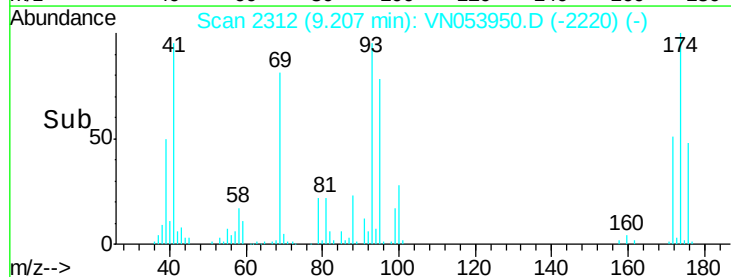
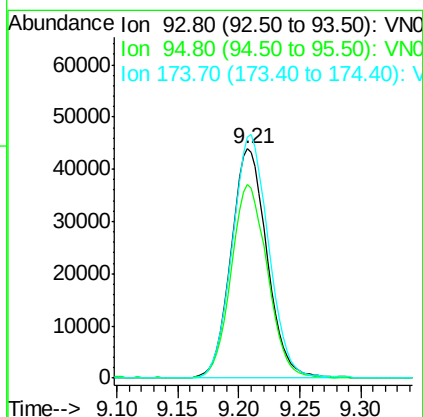
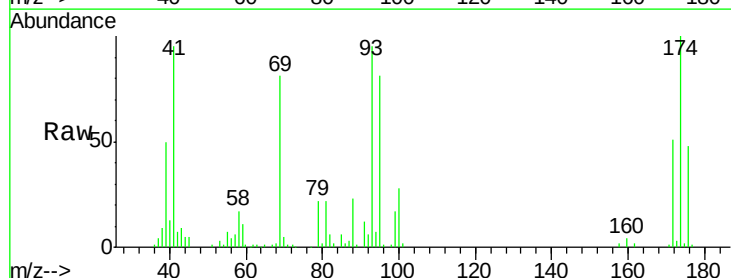
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

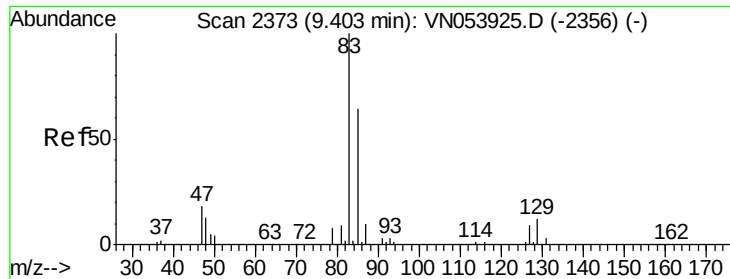
Tot Ion: 63 Resp: 157279
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5



#46
 Dibromomethane
 Concen: 20.093 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 93 Resp: 90057
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.6 100.0
 174 107.7 96.2 144.4

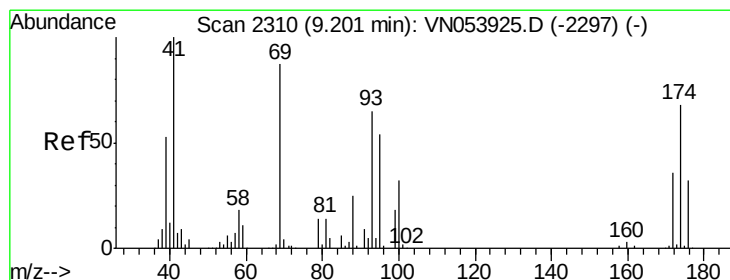
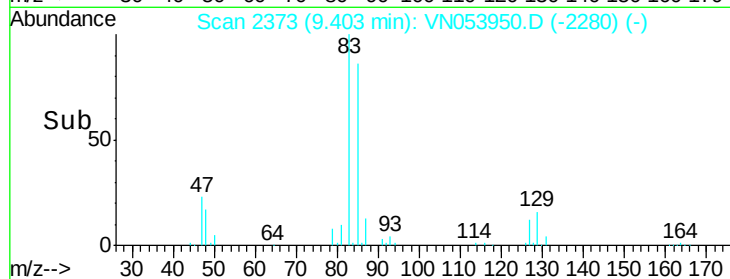
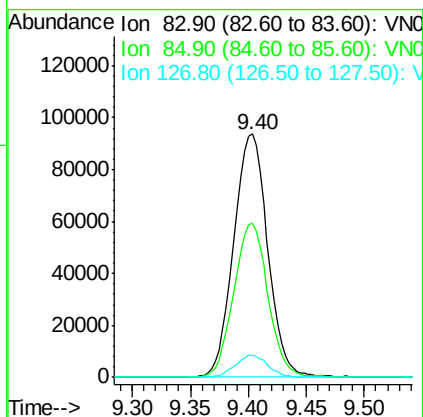
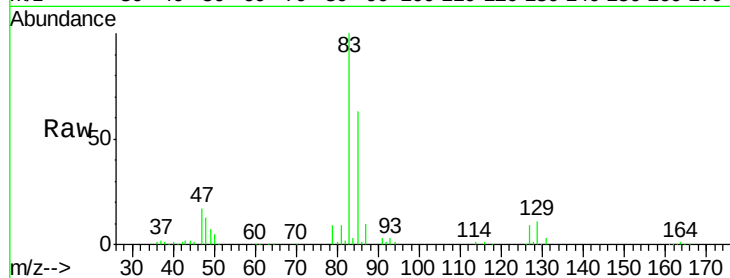




#47
Bromodichloromethane
Concen: 20.204 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

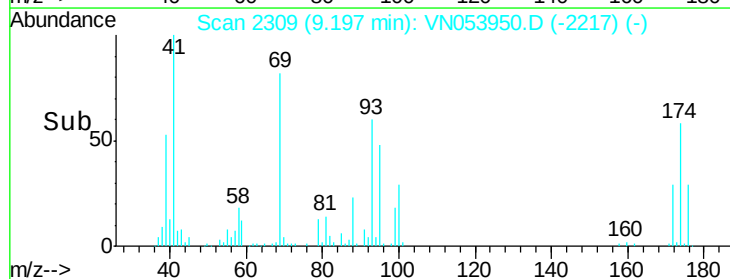
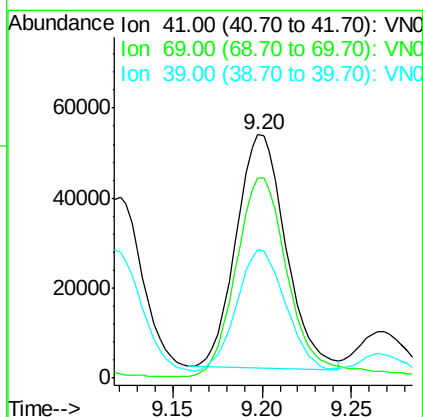
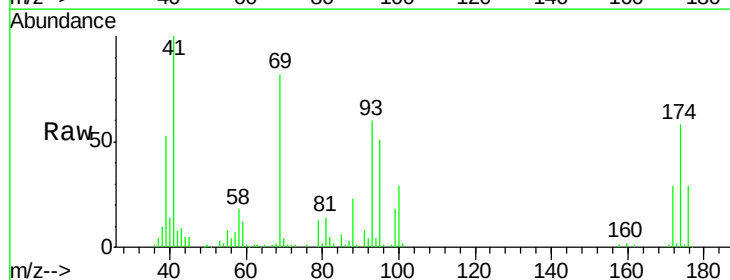
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

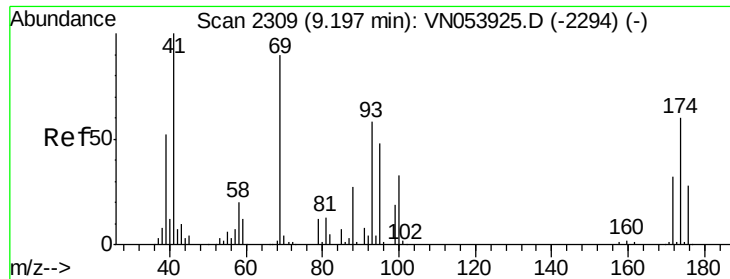
Tot Ion: 83 Resp: 190834
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6
127 8.9 7.4 11.0



#48
Methyl methacrylate
Concen: 19.503 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 41 Resp: 100736
Ion Ratio Lower Upper
41 100
69 91.0 74.8 112.2
39 56.6 39.0 58.6

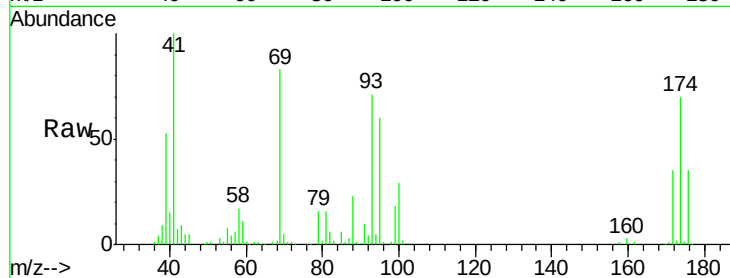




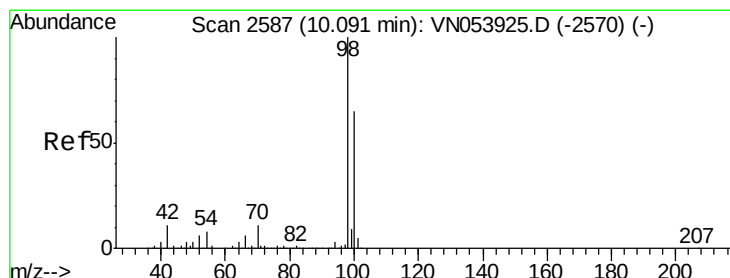
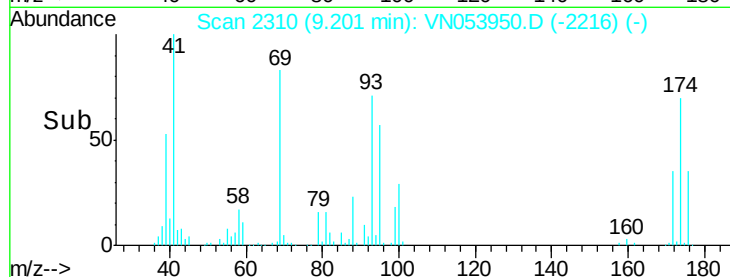
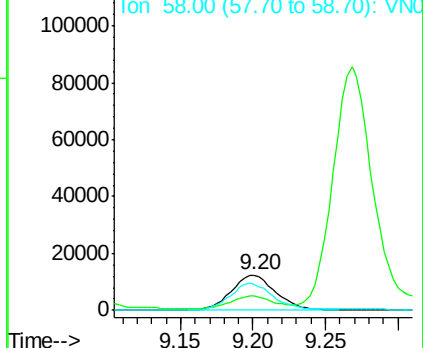
#49
1,4-Dioxane
Concen: 379.617 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion: 88 Resp: 26558
Ion Ratio Lower Upper
88 100
43 31.2 21.2 31.8
58 75.1 54.2 81.2

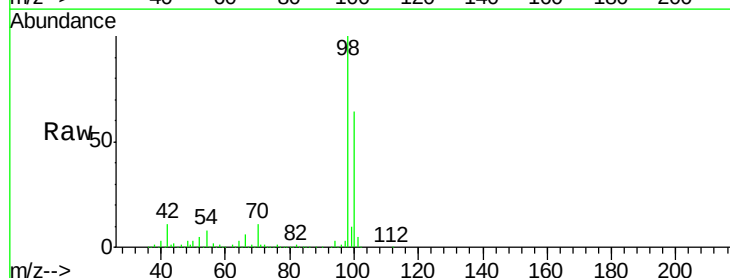


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

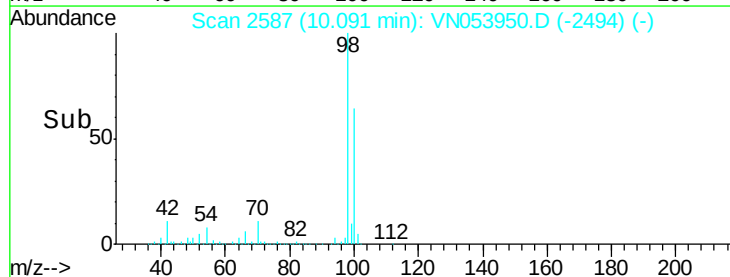
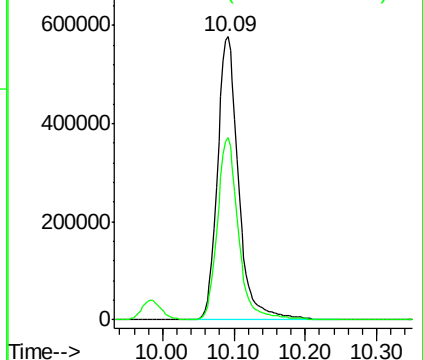


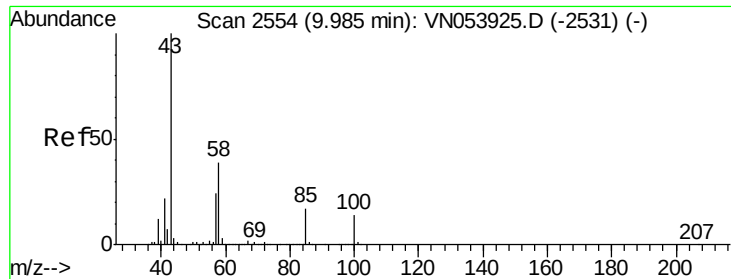
#50
Toluene-d8
Concen: 49.026 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 98 Resp: 1182049
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 102.522 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

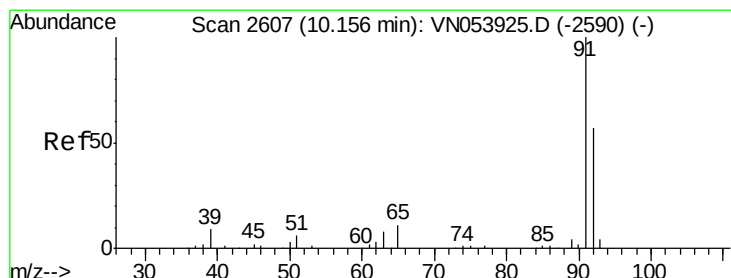
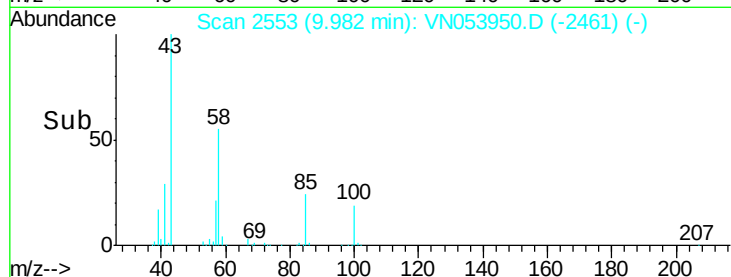
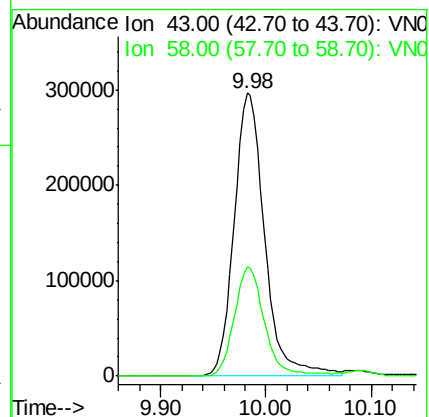
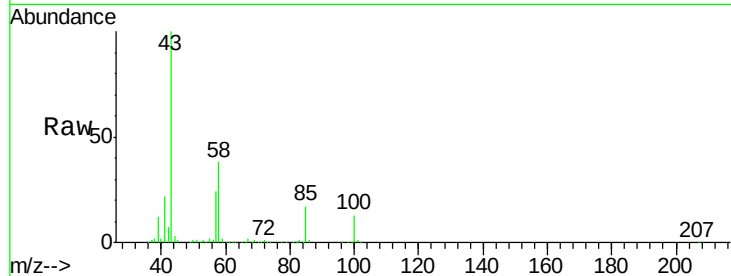
VN0226WBSD01

Tot Ion: 43 Resp: 591601

Ion Ratio Lower Upper

43 100

58 38.3 32.7 49.1



#52

Toluene

Concen: 20.194 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053950.D

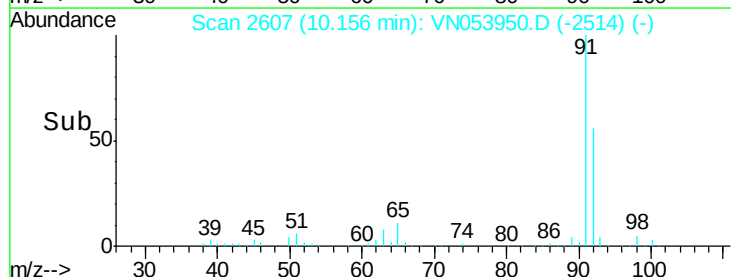
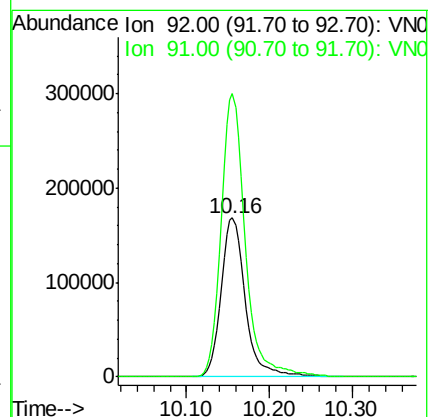
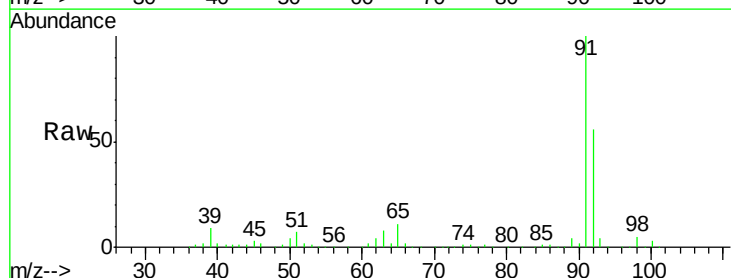
Acq: 26 Feb 2019 13:03

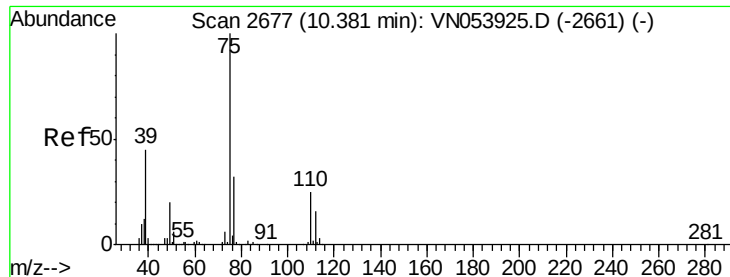
Tgt Ion: 92 Resp: 340250

Ion Ratio Lower Upper

92 100

91 177.1 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 19.857 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

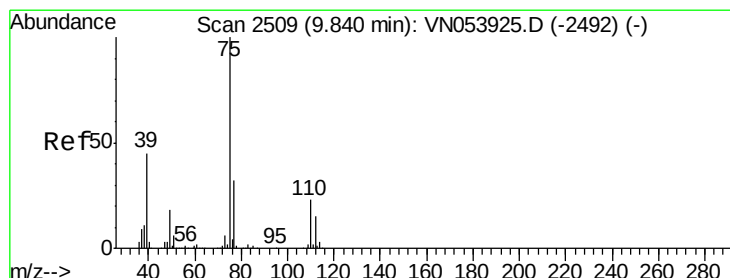
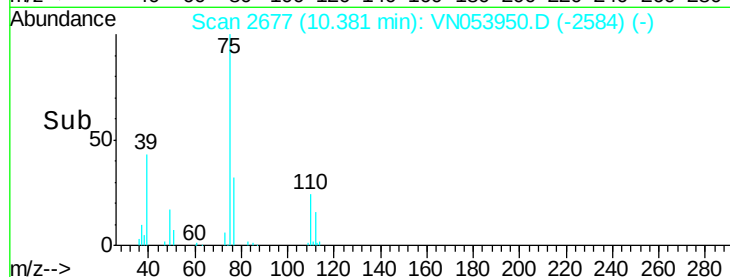
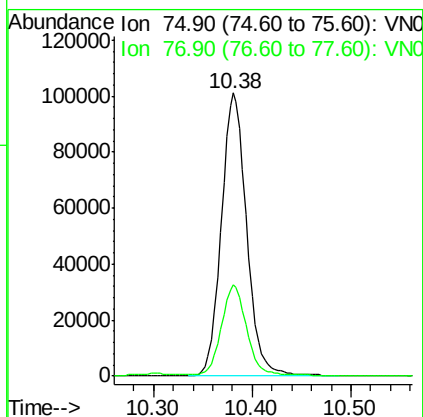
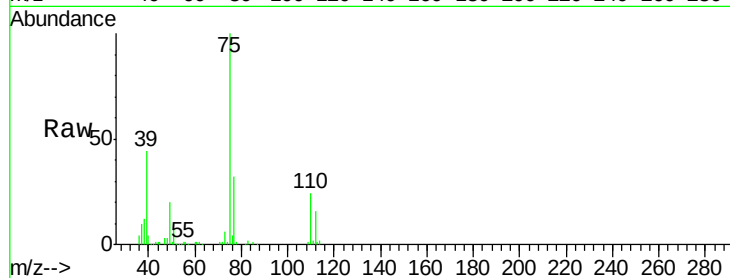
VN0226WBSD01

Tot Ion: 75 Resp: 182493

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 19.991 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

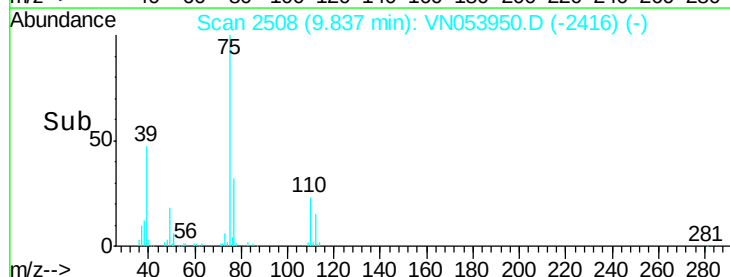
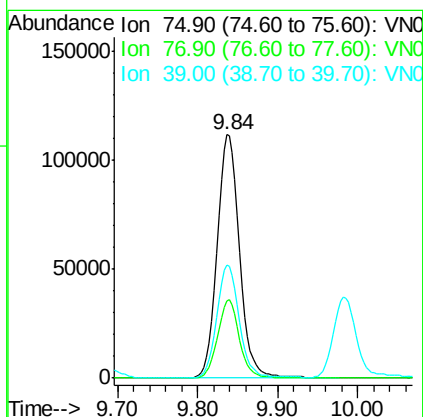
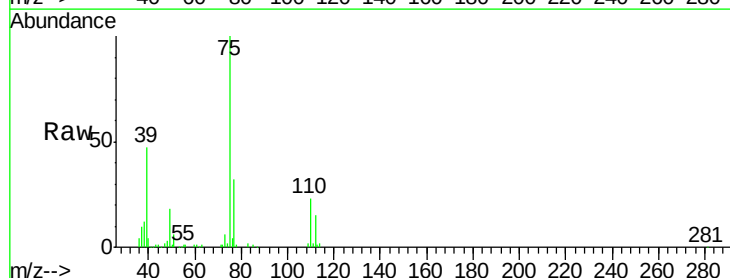
Tgt Ion: 75 Resp: 216586

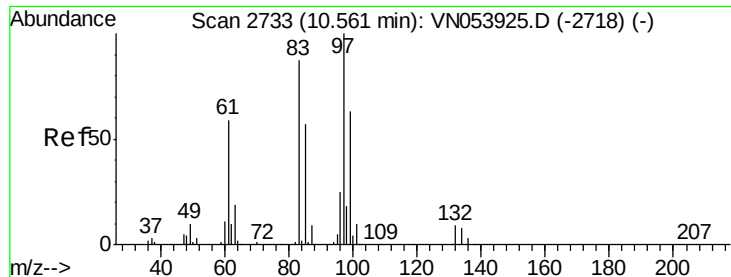
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 46.6 31.4 47.0



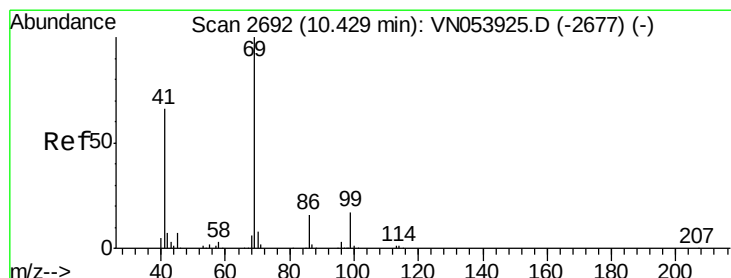
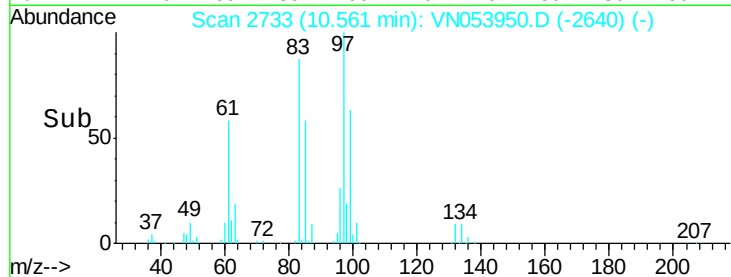
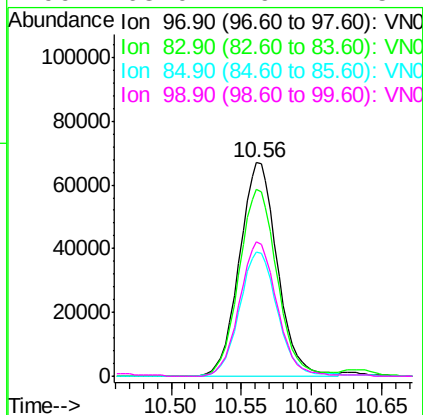
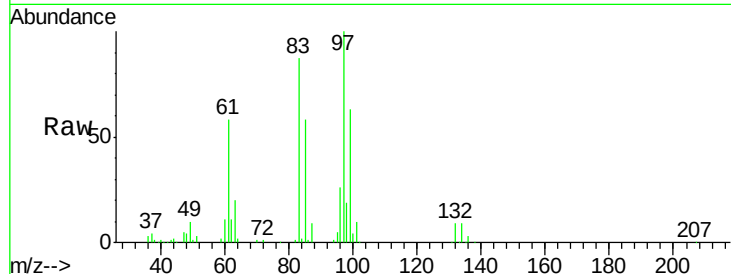


#55
 1,1,2-Trichloroethane
 Concen: 20.031 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion: 97 Resp: 126044

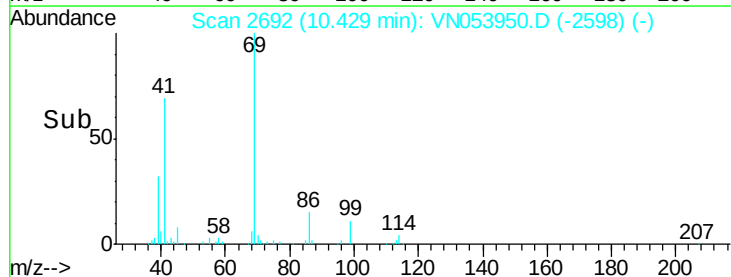
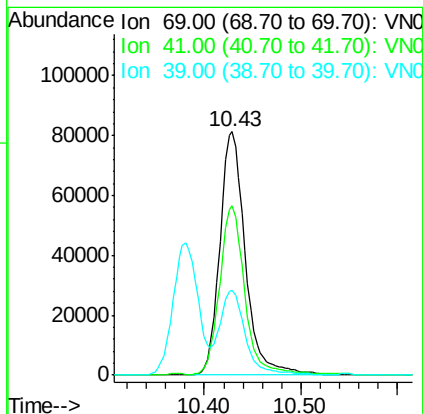
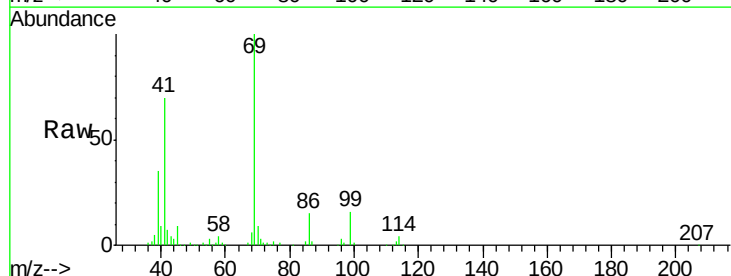
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.5	104.3
85	58.0	45.9	68.9
99	63.0	49.1	73.7

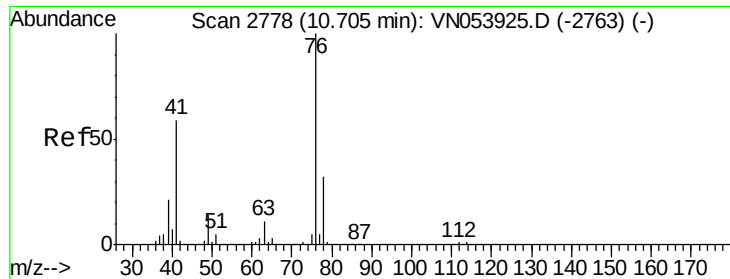


#56
 Ethyl methacrylate
 Concen: 19.324 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 69 Resp: 149136

Ion	Ratio	Lower	Upper
69	100		
41	67.6	47.5	71.3
39	34.5	23.4	35.0

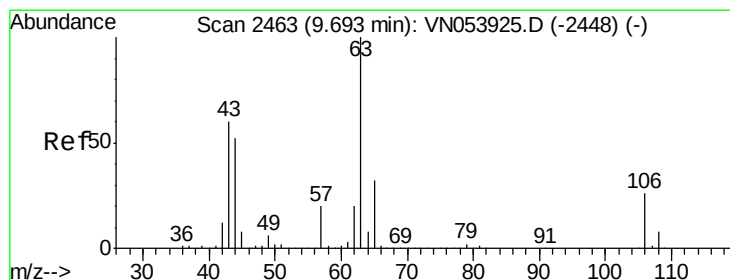
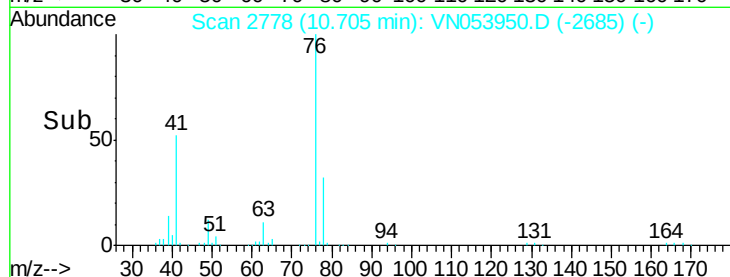
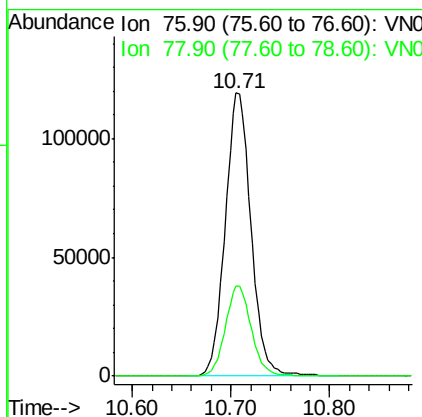
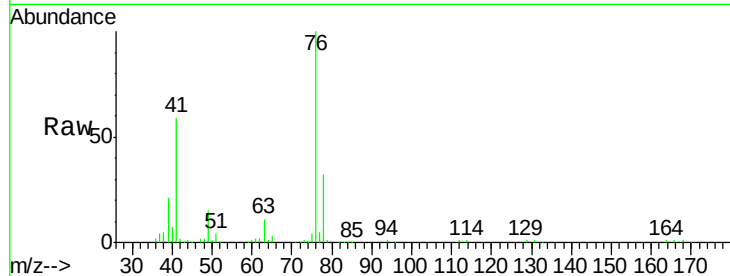




#57
 1,3-Dichloropropane
 Concen: 20.544 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

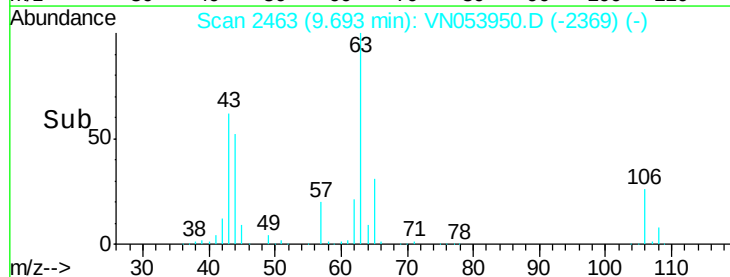
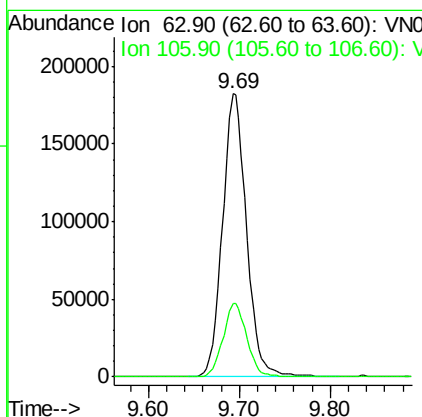
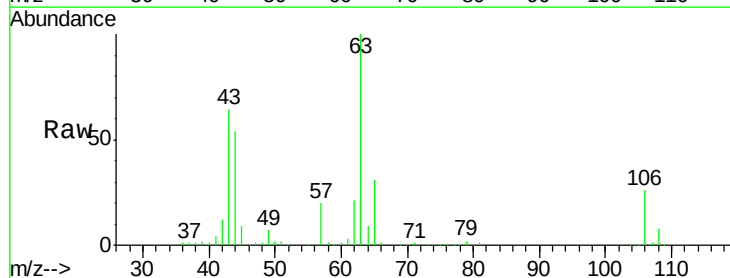
Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBSD01

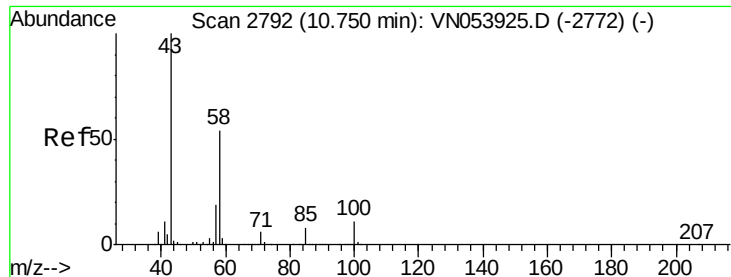
Tot Ion: 76 Resp: 218423
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.760 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion: 63 Resp: 333709
 Ion Ratio Lower Upper
 63 100
 106 25.8 22.2 33.2

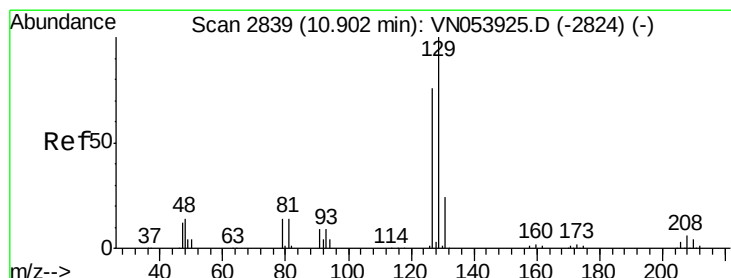
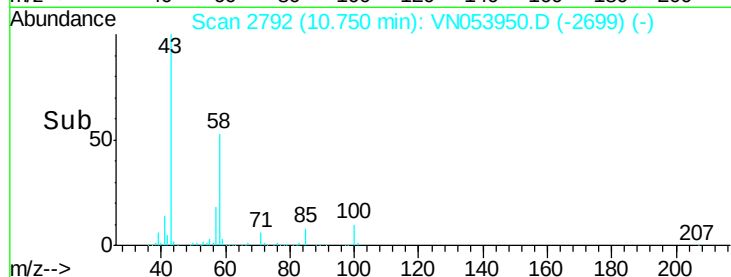
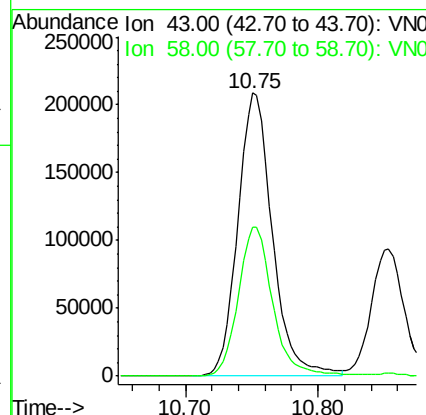
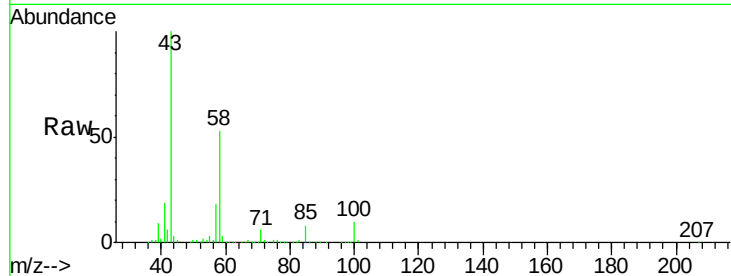




#59
2-Hexanone
Concen: 99.959 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

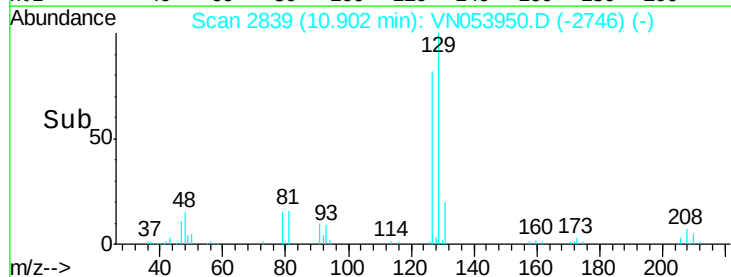
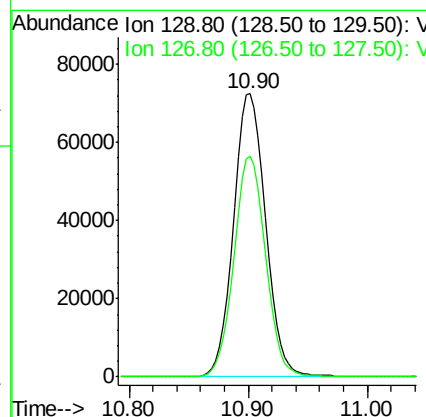
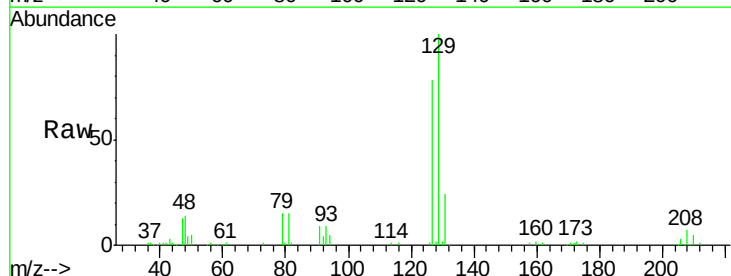
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

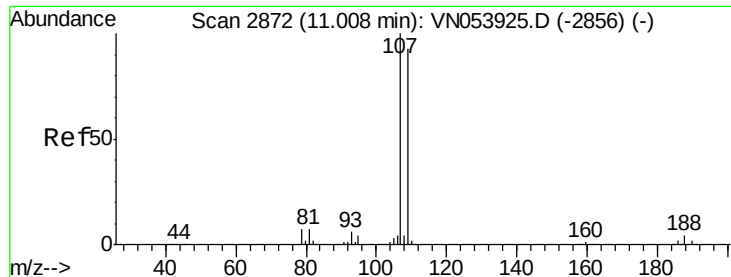
Tot Ion: 43 Resp: 375149
Ion Ratio Lower Upper
43 100
58 52.9 29.1 87.4



#60
Dibromochloromethane
Concen: 19.413 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 129 Resp: 135760
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.632 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

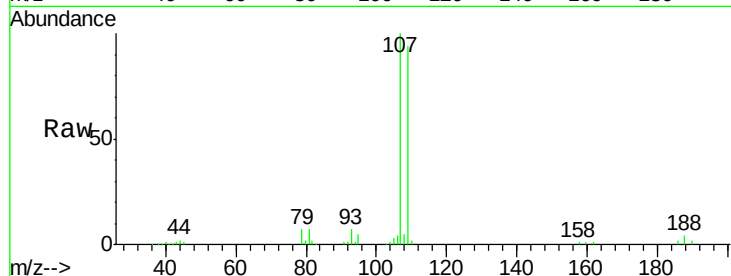
VN0226WBSD01

Tot Ion:107 Resp: 119171

Ion Ratio Lower Upper

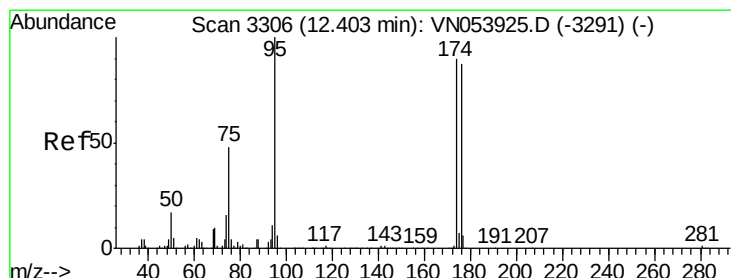
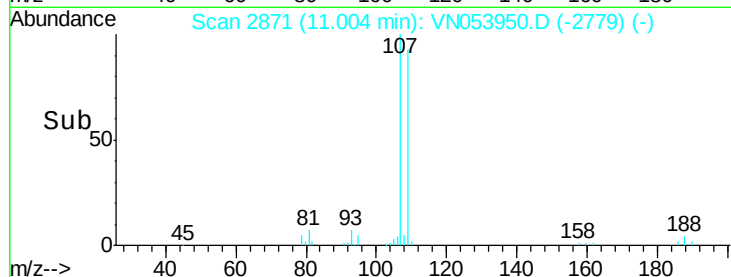
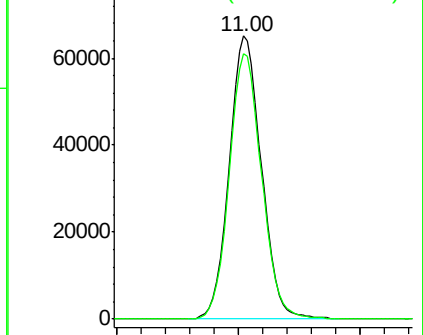
107 100

109 94.7 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.143 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

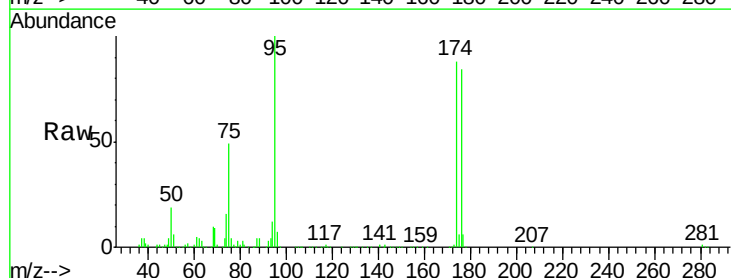
Tgt Ion: 95 Resp: 386734

Ion Ratio Lower Upper

95 100

174 87.3 0.0 188.8

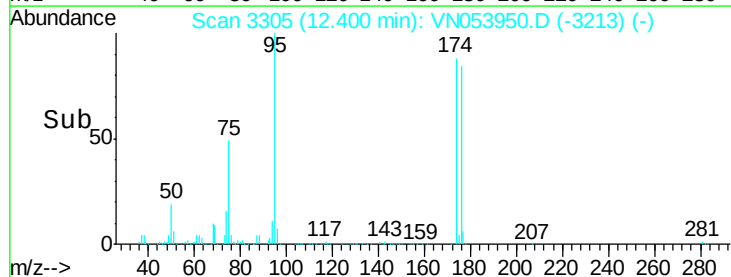
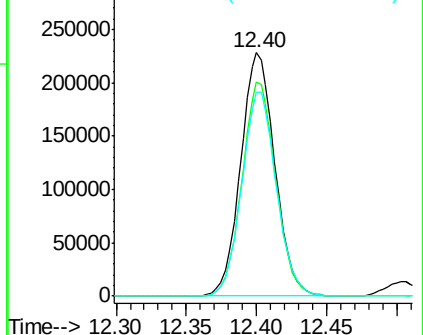
176 84.9 0.0 182.6

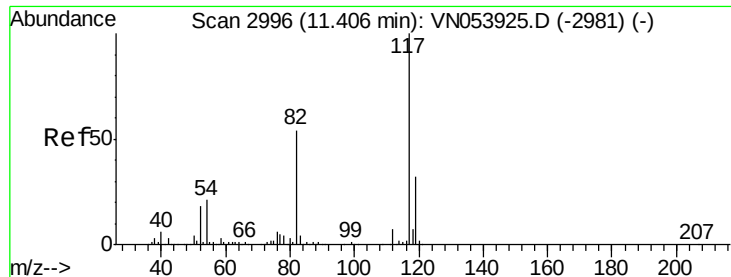


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

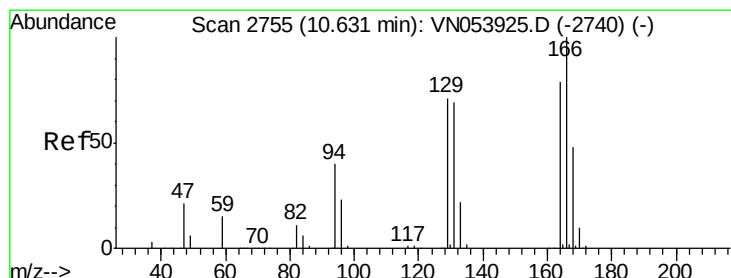
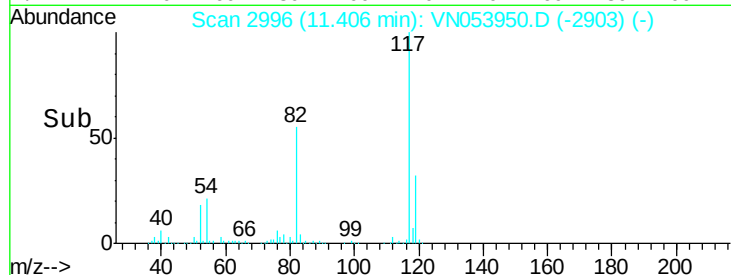
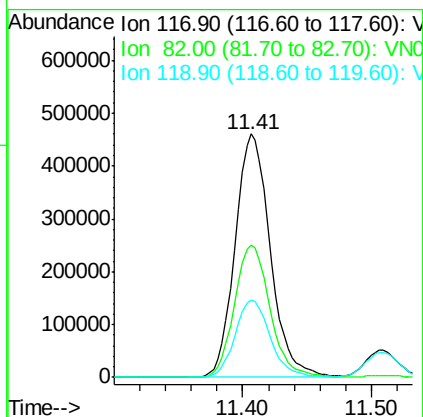
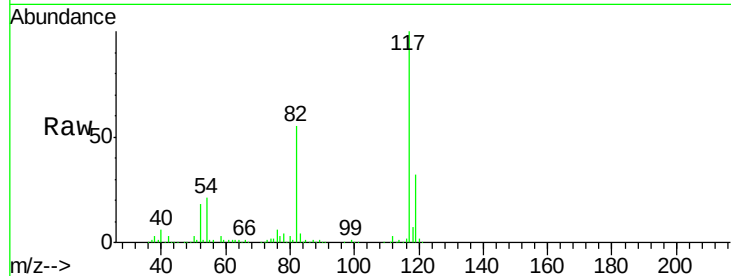




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

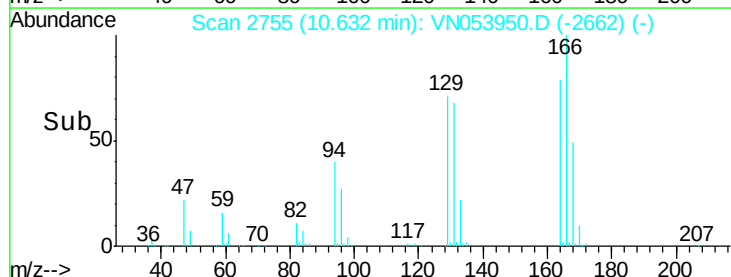
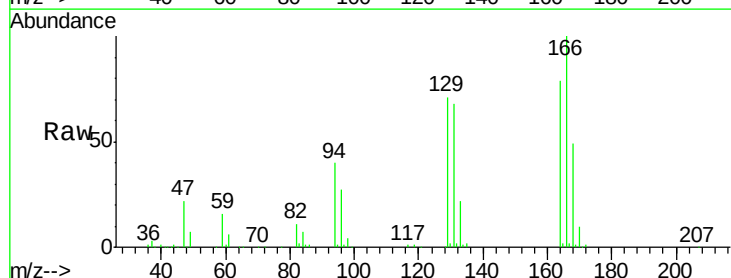
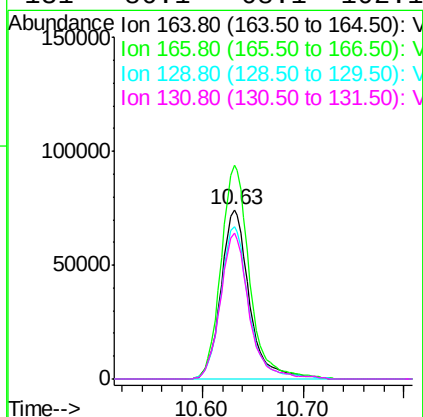
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

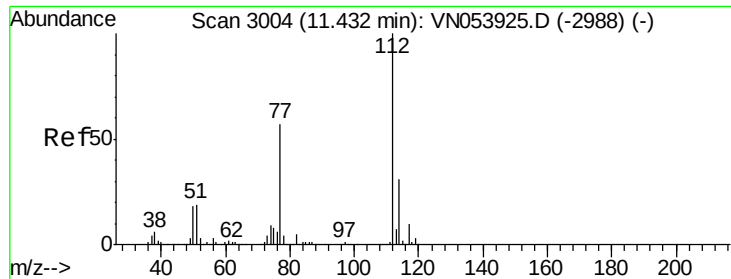
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	41.4	62.2
119	31.8	25.3	37.9



#64
Tetrachloroethene
Concen: 19.648 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.6	153.8
129	90.0	69.4	104.0
131	86.1	68.1	102.1

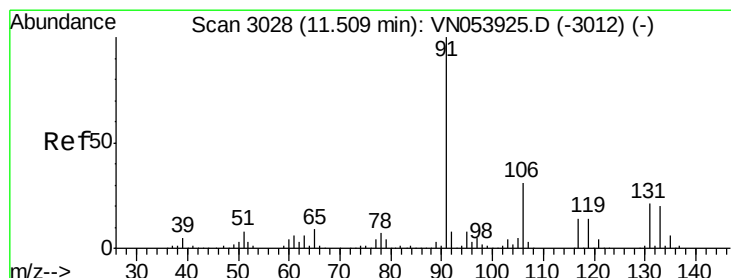
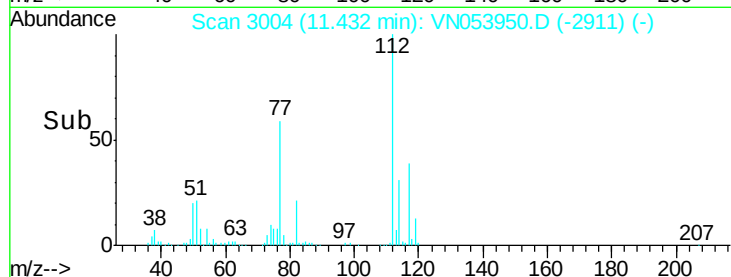
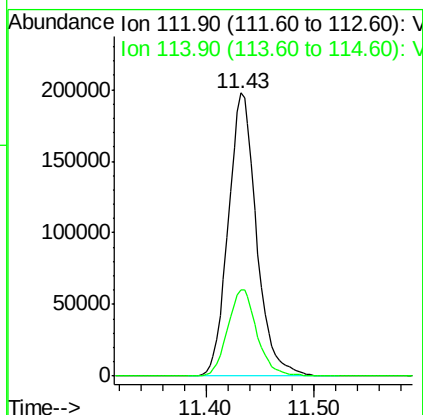
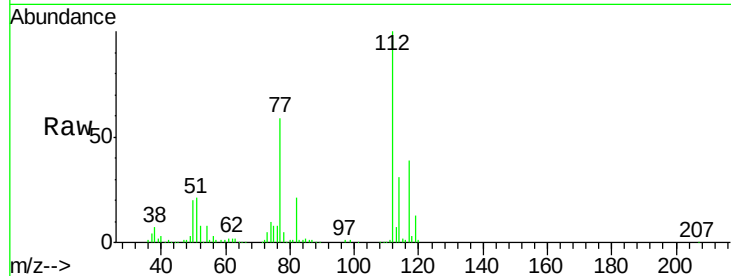




#65
Chlorobenzene
Concen: 19.586 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

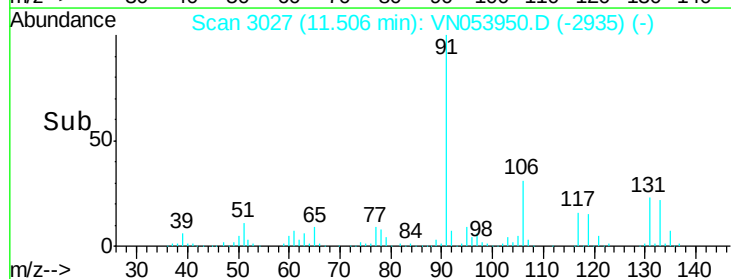
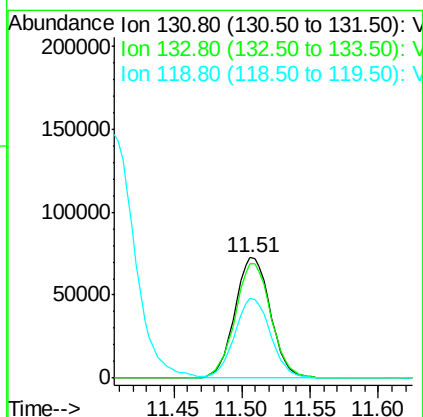
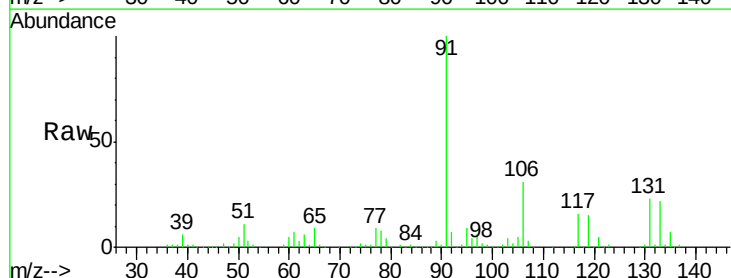
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

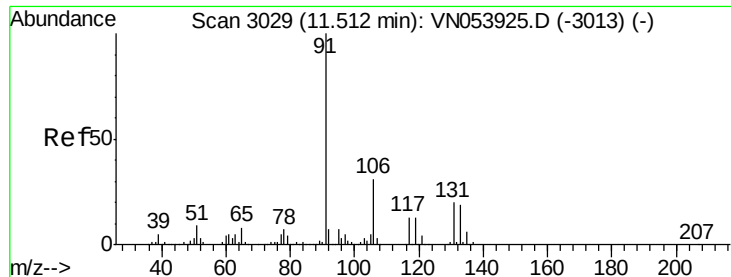
Tot Ion:112 Resp: 361634
Ion Ratio Lower Upper
112 100
114 30.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.794 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion:131 Resp: 131712
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 66.9 33.1 99.3

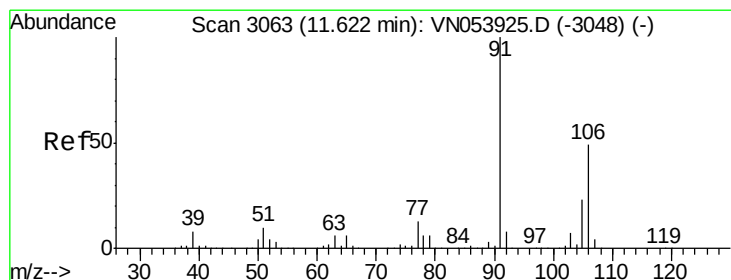
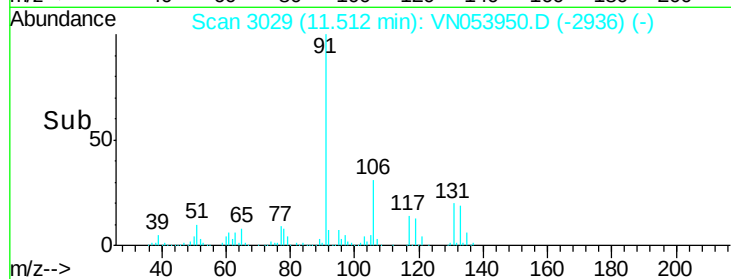
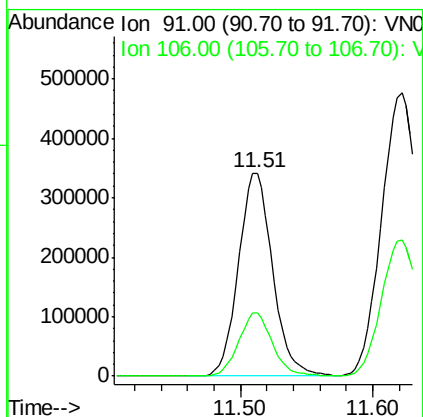
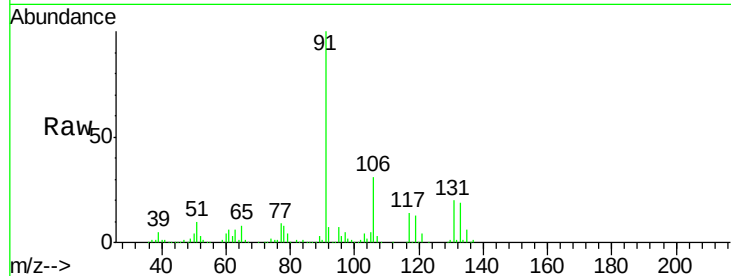




#67
Ethyl Benzene
Concen: 19.821 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

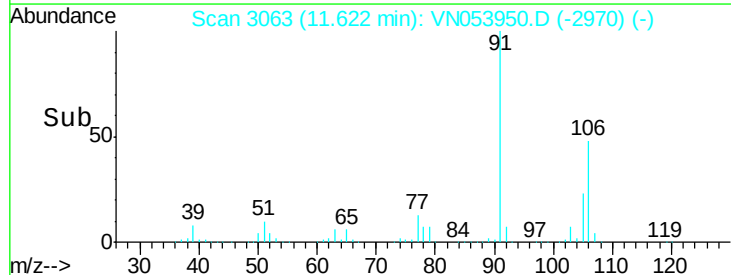
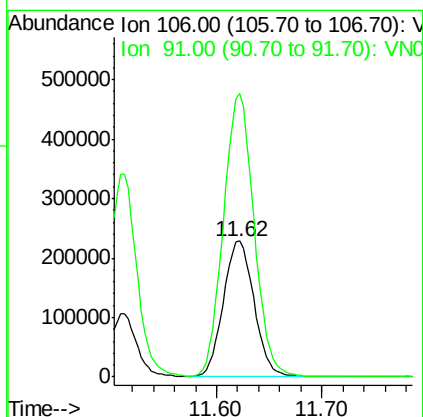
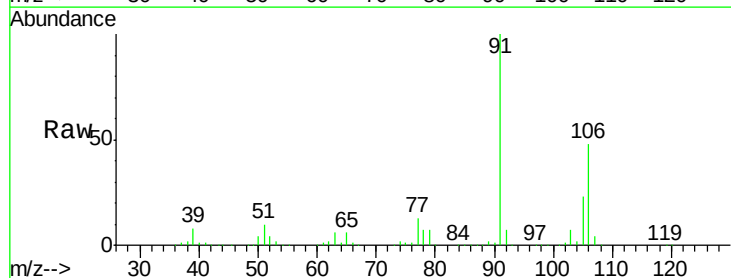
Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

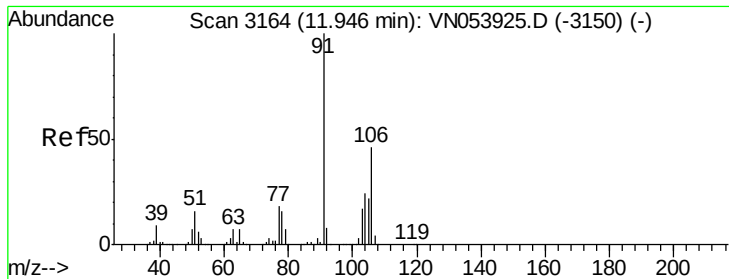
Tot Ion: 91 Resp: 613524
Ion Ratio Lower Upper
91 100
106 30.9 25.2 37.8



#68
m/p-Xylenes
Concen: 39.663 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053950.D
Acq: 26 Feb 2019 13:03

Tgt Ion: 106 Resp: 463348
Ion Ratio Lower Upper
106 100
91 206.5 158.9 238.3





#69

o-Xylene

Concen: 19.808 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

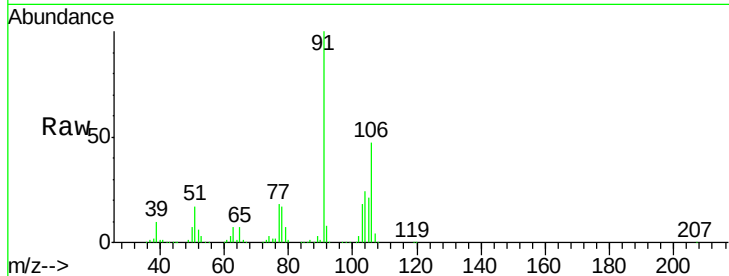
VN0226WBSD01

Tot Ion:106 Resp: 227369

Ion Ratio Lower Upper

106 100

91 214.3 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

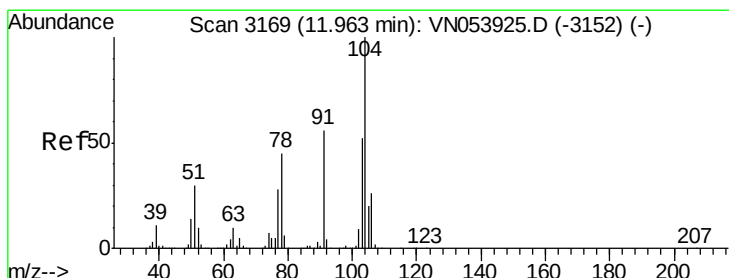
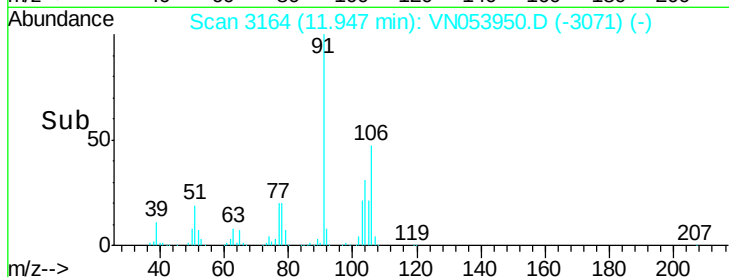
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 20.187 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

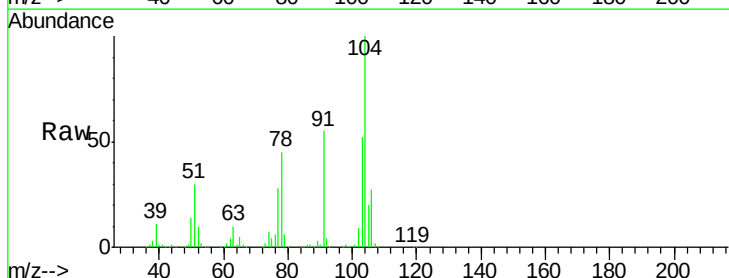
Tgt Ion:104 Resp: 356404

Ion Ratio Lower Upper

104 100

78 49.6 38.1 57.1

103 56.6 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

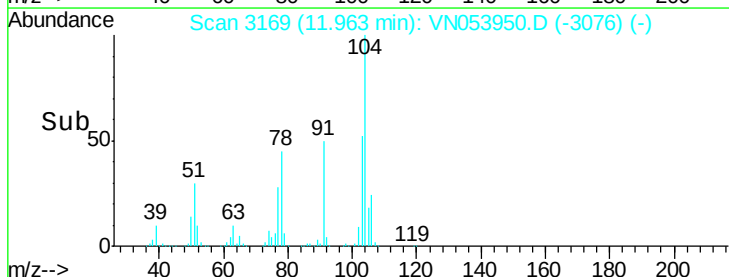
100000

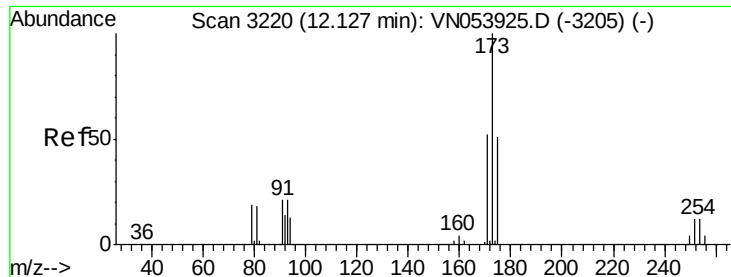
50000

0

11.90 11.95 12.00

Time-->

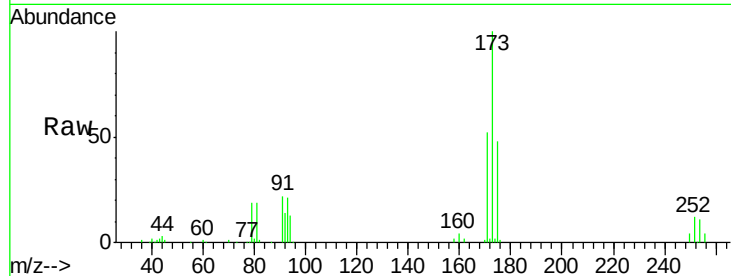




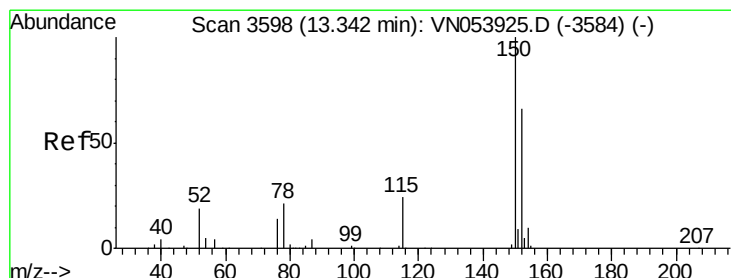
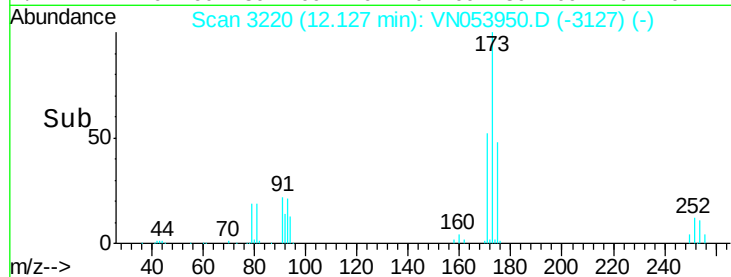
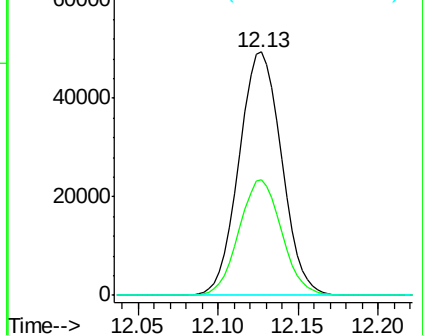
#71
 Bromoform
 Concen: 19.426 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion:173 Resp: 89930
 Ion Ratio Lower Upper
 173 100
 175 47.5 24.3 72.8
 254 0.0 0.2 0.2#

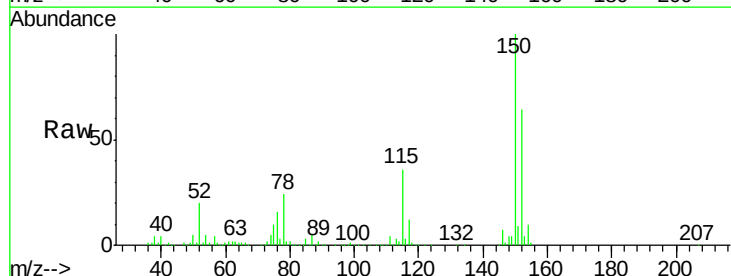


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

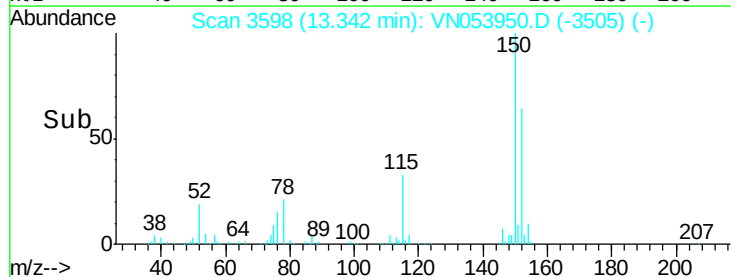
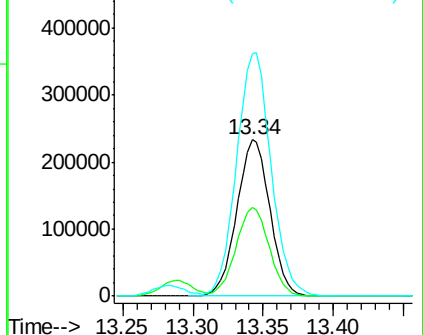


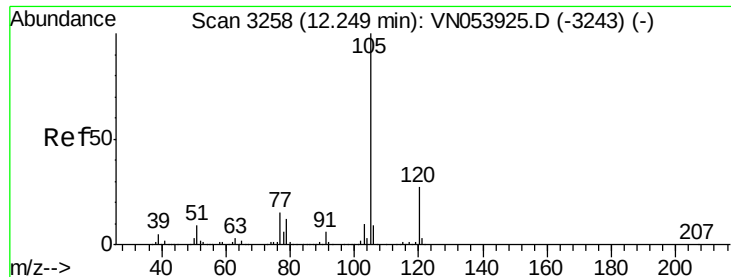
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion:152 Resp: 382645
 Ion Ratio Lower Upper
 152 100
 115 56.8 27.2 81.6
 150 162.9 0.0 348.2



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: 20.017 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

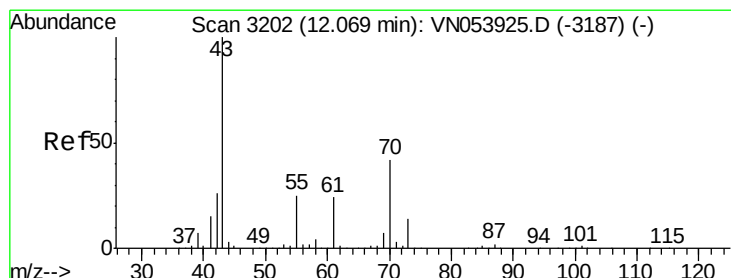
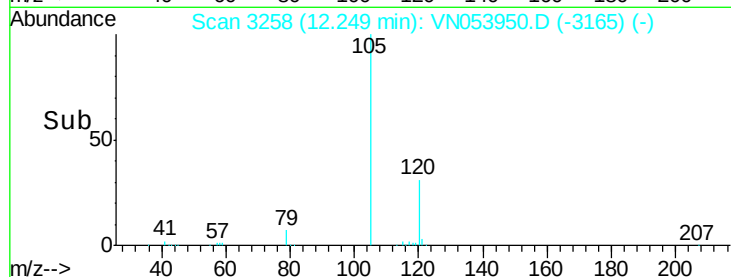
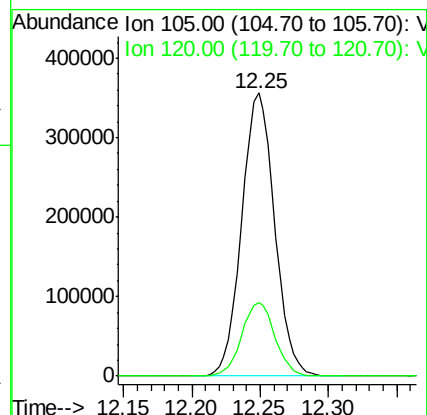
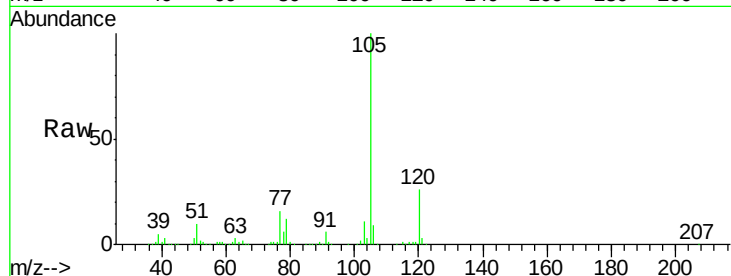
VN0226WBSD01

Tot Ion:105 Resp: 596242

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



#74

N-ethyl acetate

Concen: 19.710 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Tgt Ion: 43 Resp: 153872

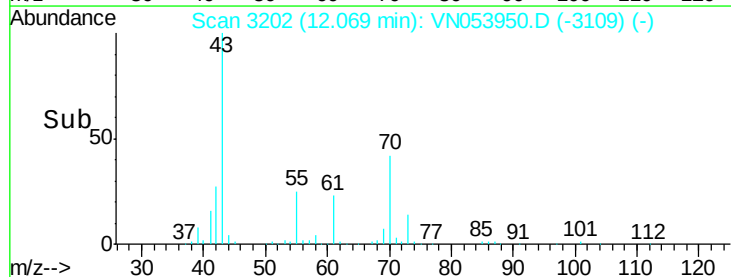
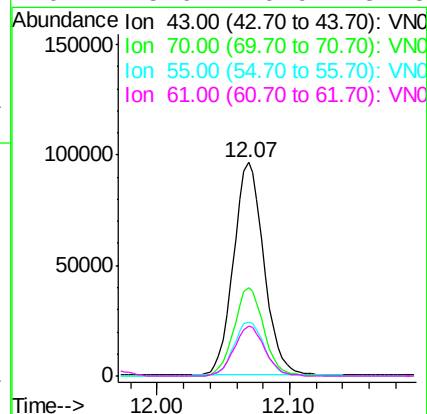
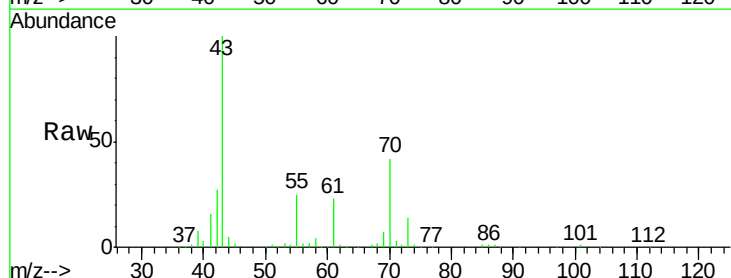
Ion Ratio Lower Upper

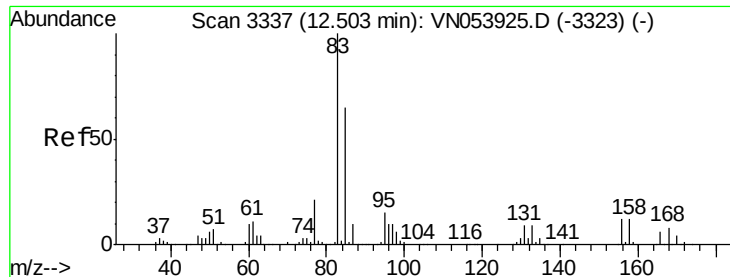
43 100

70 40.9 37.4 56.2

55 25.5 21.4 32.0

61 23.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.136 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

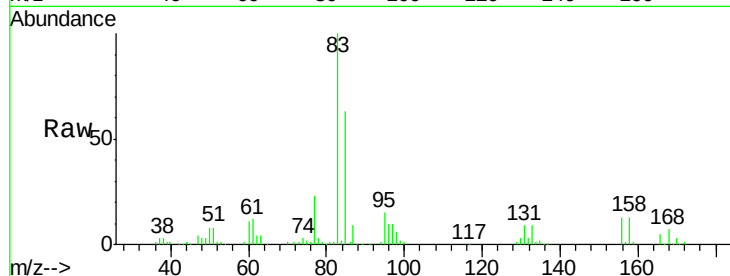
Tot Ion: 83 Resp: 149984

Ion Ratio Lower Upper

83 100

131 10.0 5.3 16.1

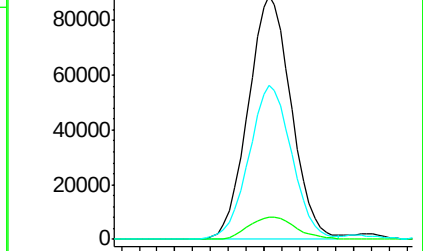
85 63.2 31.9 95.9



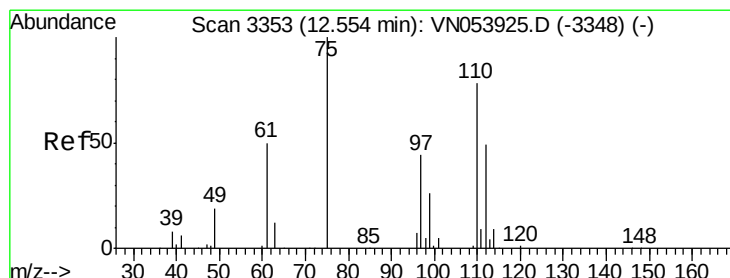
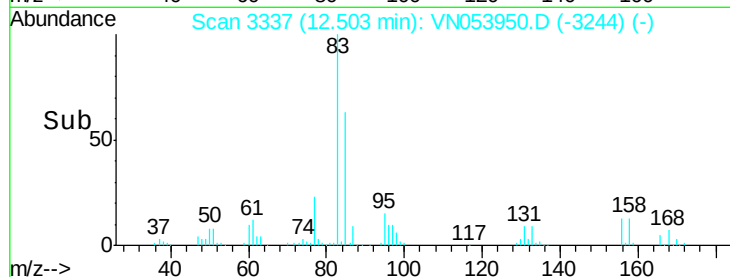
Abundance Ion 82.90 (82.60 to 83.60): VN053950.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN053950.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN053950.D (-3337) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.796 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN053950.D

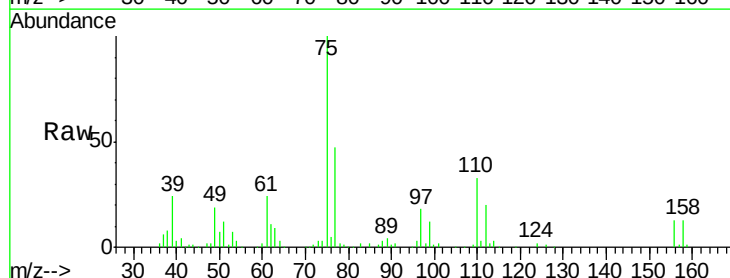
Acq: 26 Feb 2019 13:03

Tgt Ion: 75 Resp: 182898

Ion Ratio Lower Upper

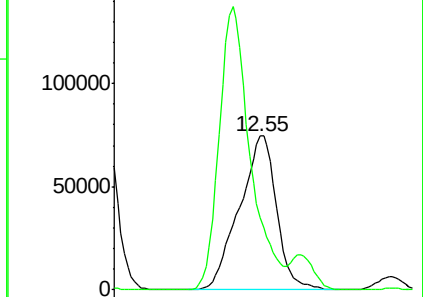
75 100

77 0.0 0.0 0.0

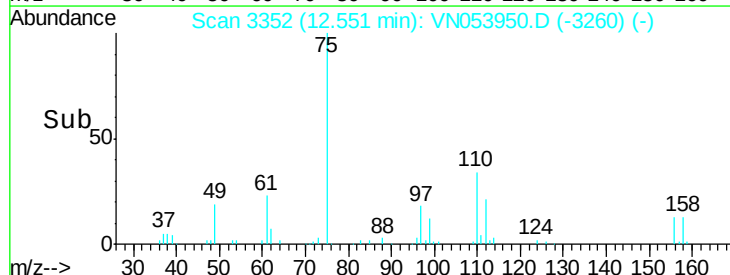


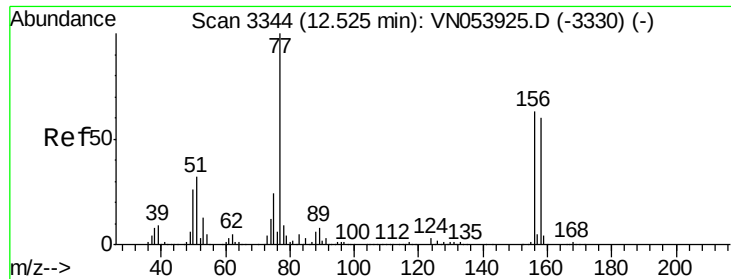
Abundance Ion 74.90 (74.60 to 75.60): VN053950.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN053950.D (-3352) (-)



Time-->





#77

Bromobenzene

Concen: 19.743 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0226WBSD01

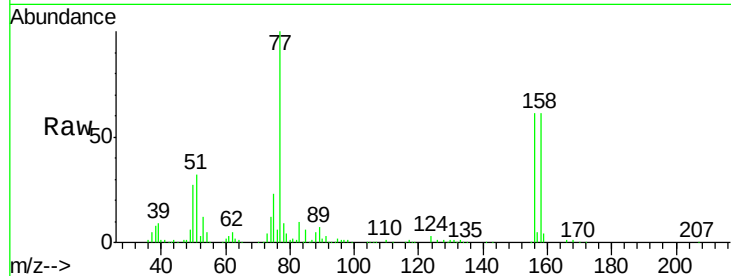
Tot Ion:156 Resp: 149306

Ion Ratio Lower Upper

156 100

77 187.5 84.0 252.2

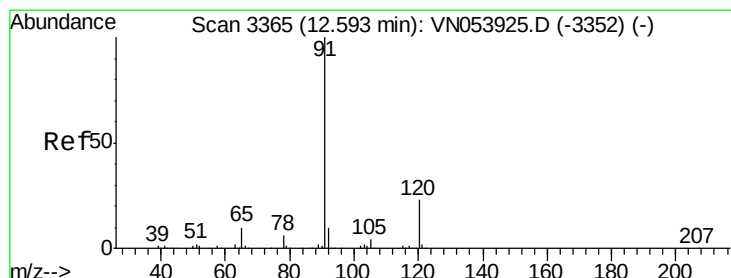
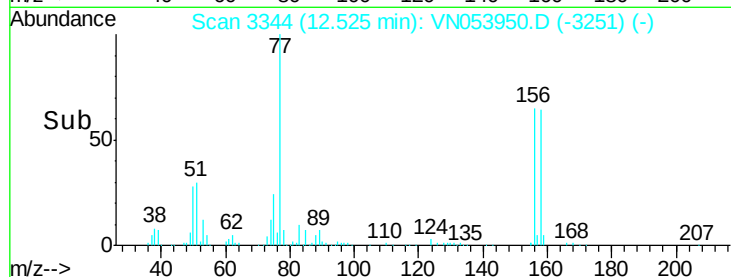
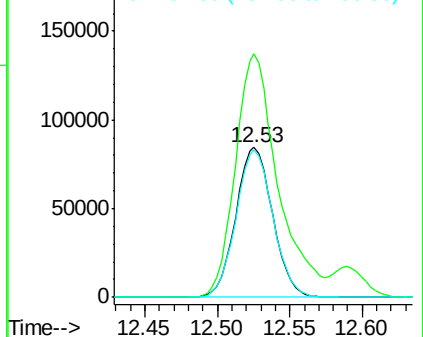
158 98.3 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.146 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053950.D

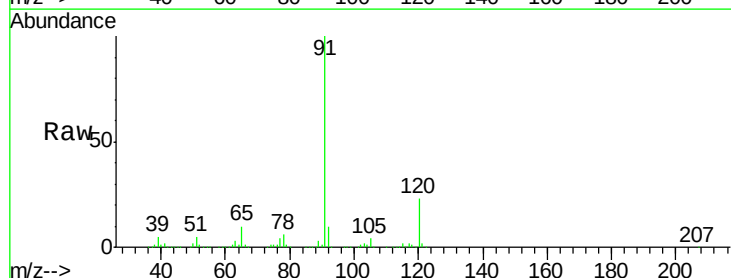
Acq: 26 Feb 2019 13:03

Tgt Ion: 91 Resp: 682458

Ion Ratio Lower Upper

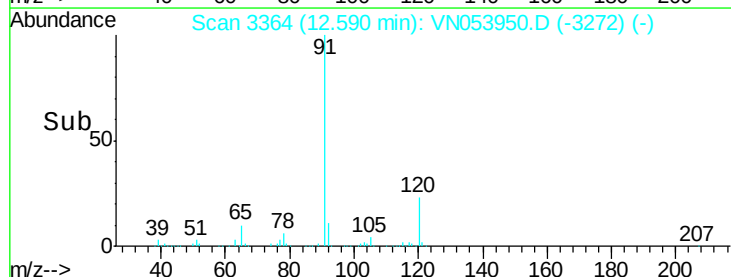
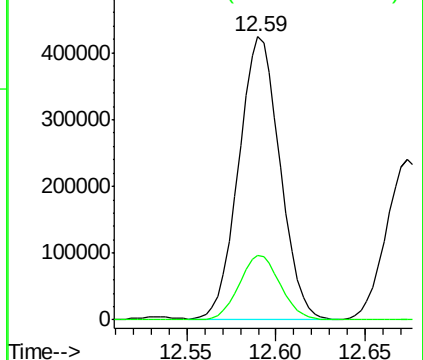
91 100

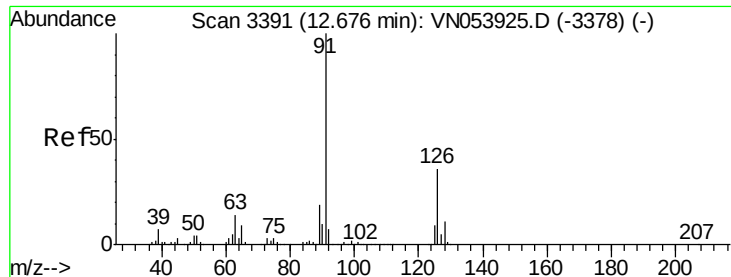
120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.151 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

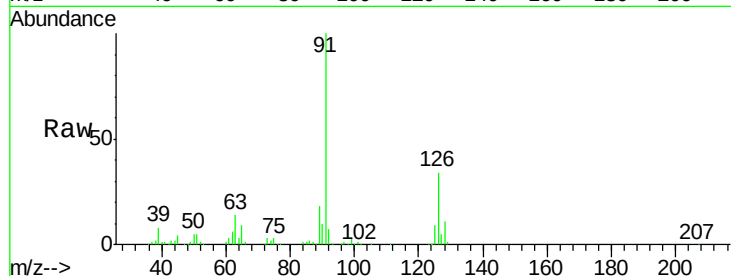
VN0226WBSD01

Tot Ion: 91 Resp: 410055

Ion Ratio Lower Upper

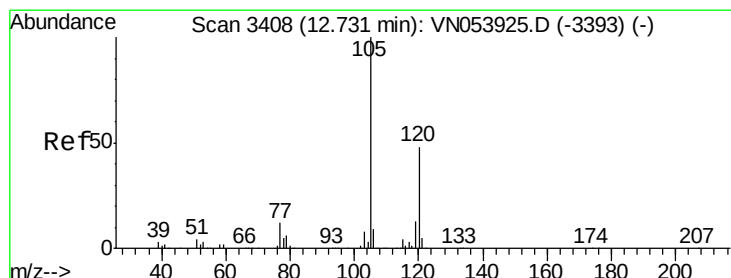
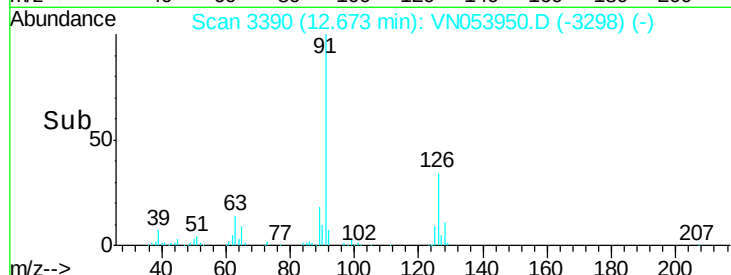
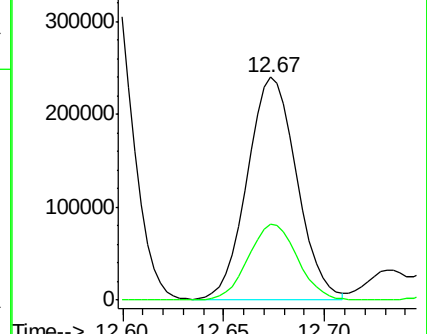
91 100

126 34.2 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.533 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053950.D

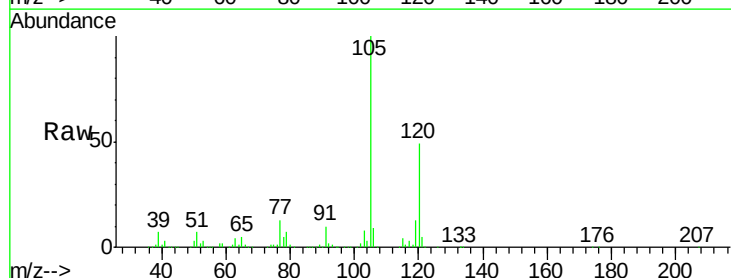
Acq: 26 Feb 2019 13:03

Tgt Ion: 105 Resp: 500701

Ion Ratio Lower Upper

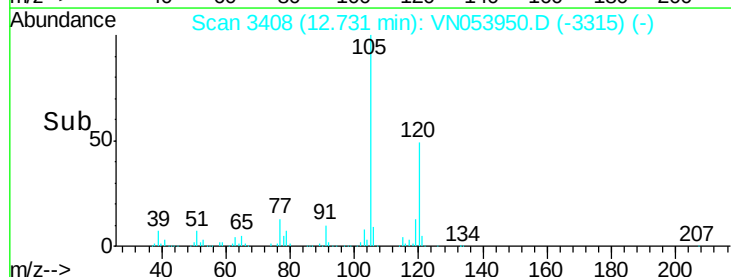
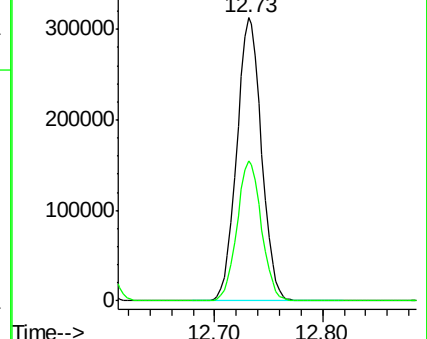
105 100

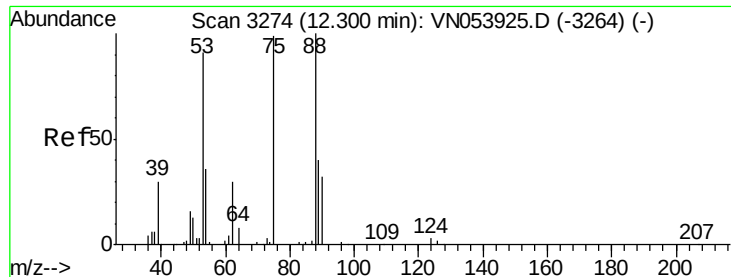
120 48.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.370 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

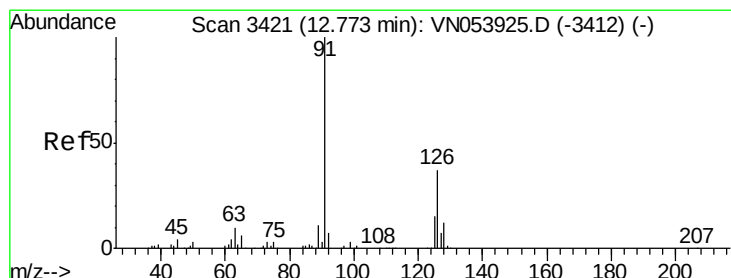
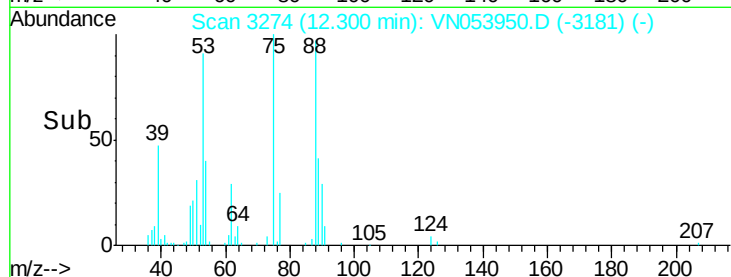
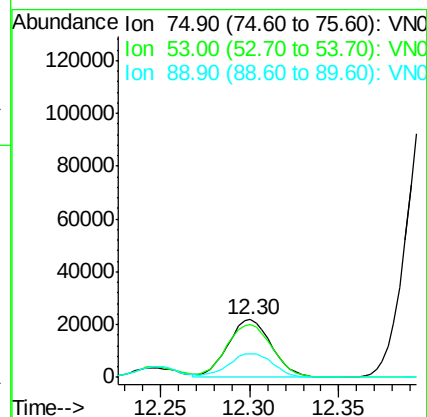
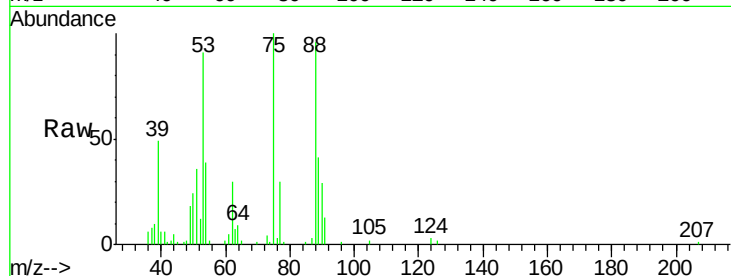
Tot Ion: 75 Resp: 37618

Ion Ratio Lower Upper

75 100

53 95.4 68.6 102.8

89 41.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.381 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053950.D

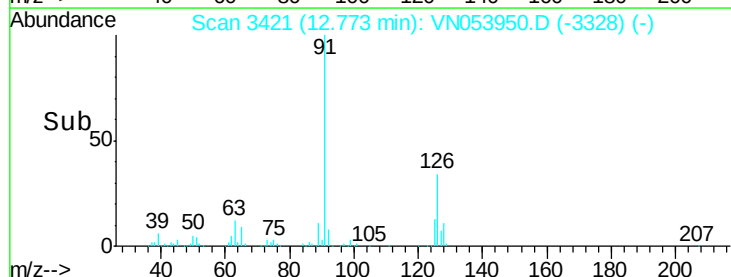
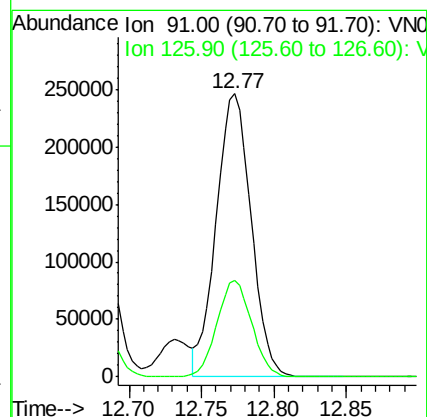
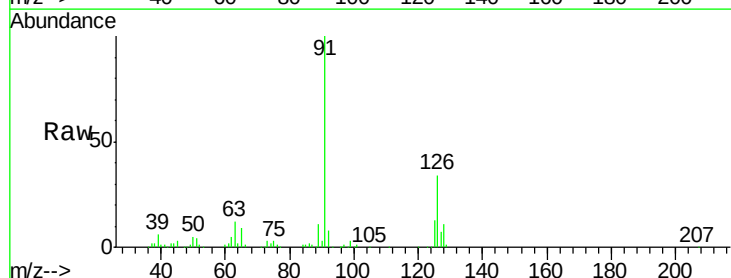
Acq: 26 Feb 2019 13:03

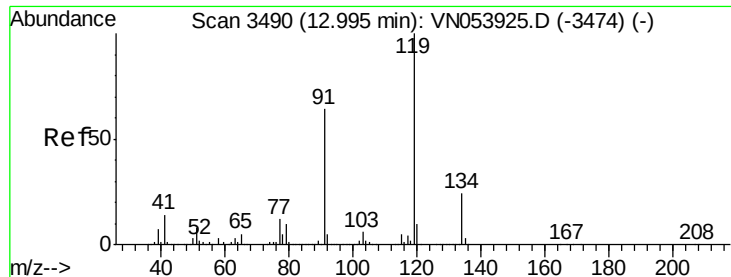
Tgt Ion: 91 Resp: 409896

Ion Ratio Lower Upper

91 100

126 33.9 18.0 54.0

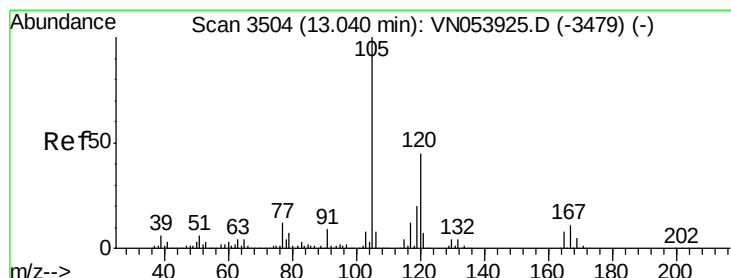
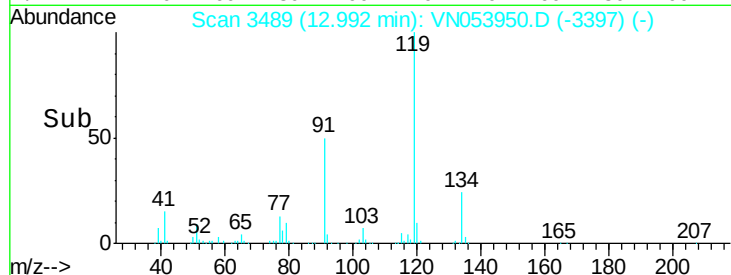
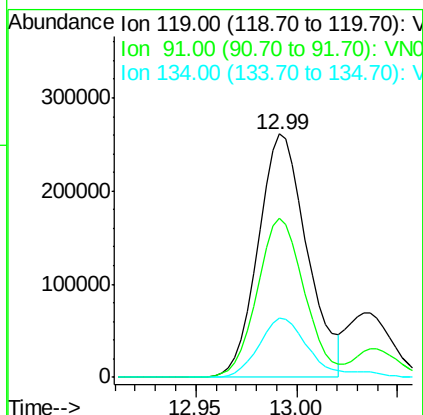
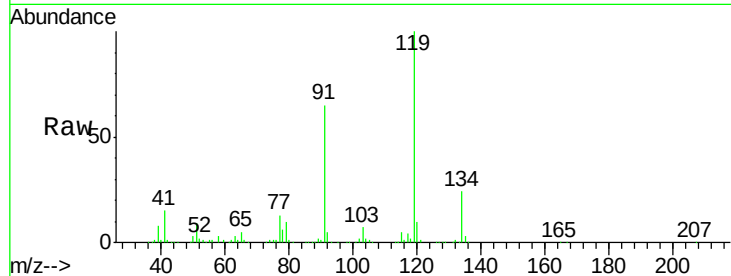




#83
 tert-Butylbenzene
 Concen: 20.458 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

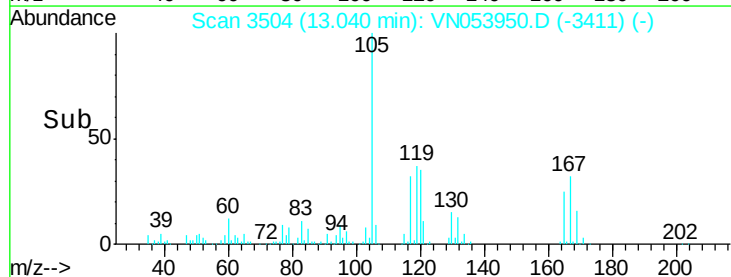
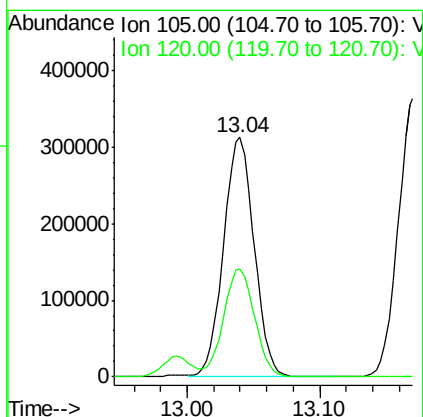
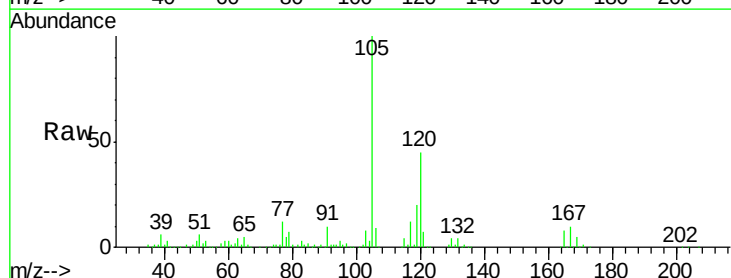
Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBSD01

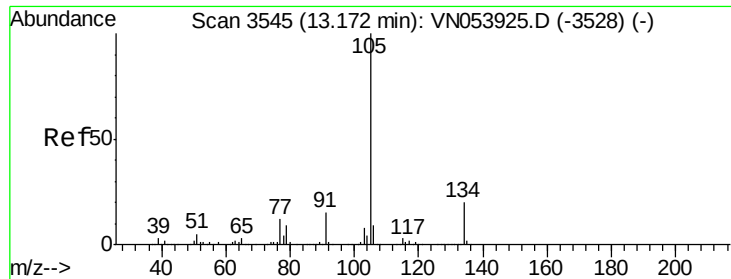
Tot Ion:119 Resp: 441216
 Ion Ratio Lower Upper
 119 100
 91 63.1 30.6 91.8
 134 25.5 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.563 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion:105 Resp: 500602
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.366 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

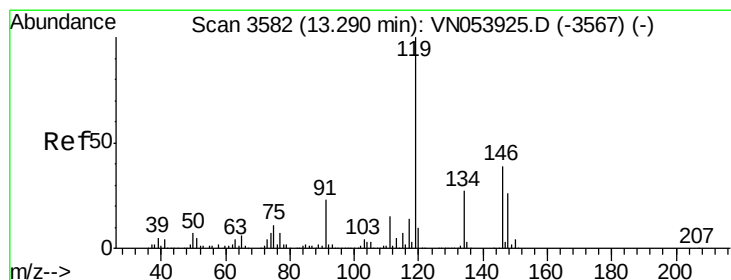
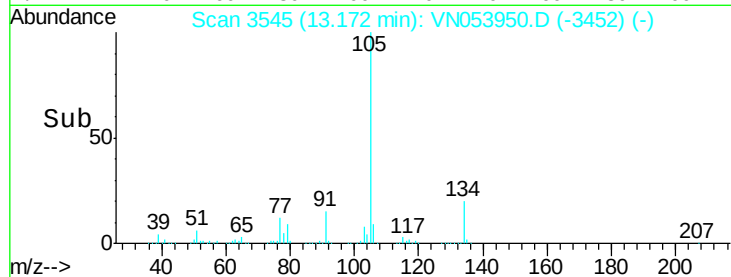
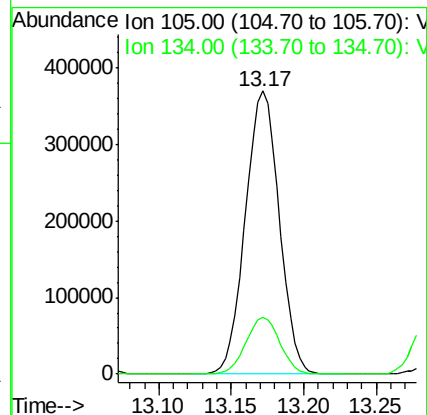
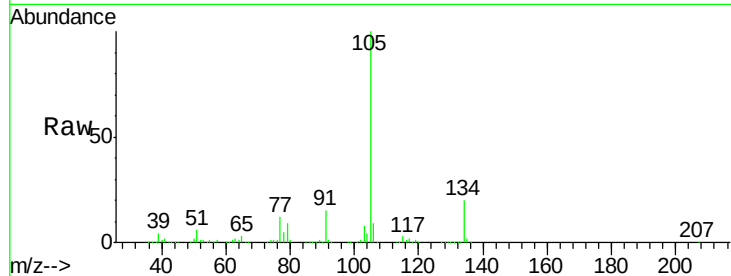
VN0226WBSD01

Tot Ion:105 Resp: 599930

Ion Ratio Lower Upper

105 100

134 20.1 10.4 31.1



#86

p-Isopropyltoluene

Concen: 20.138 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

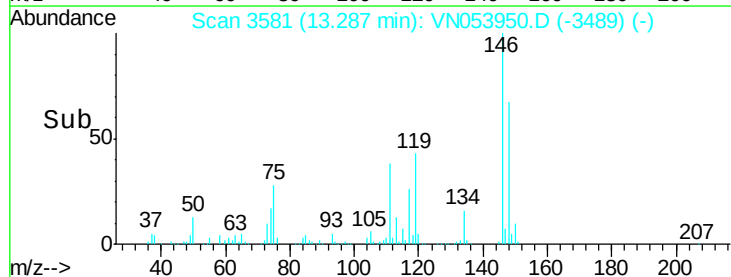
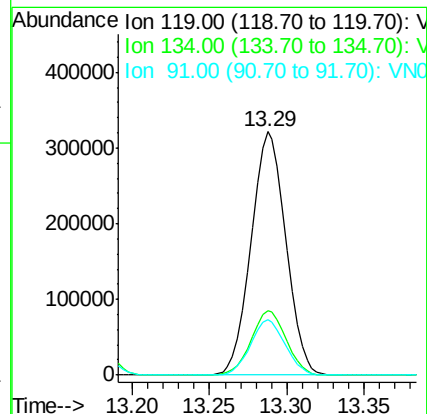
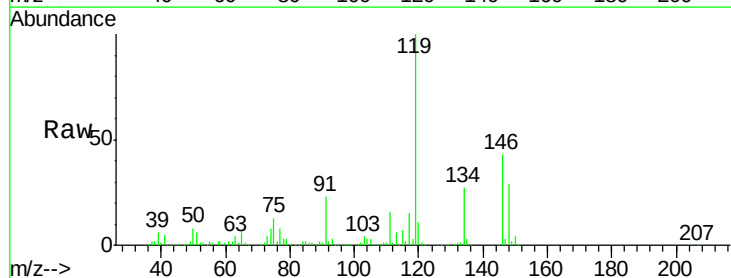
Tgt Ion:119 Resp: 501487

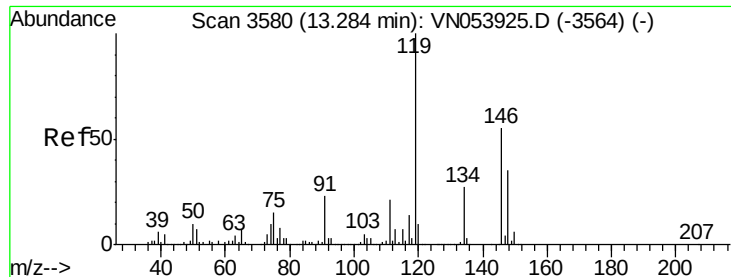
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.6 10.9 32.6

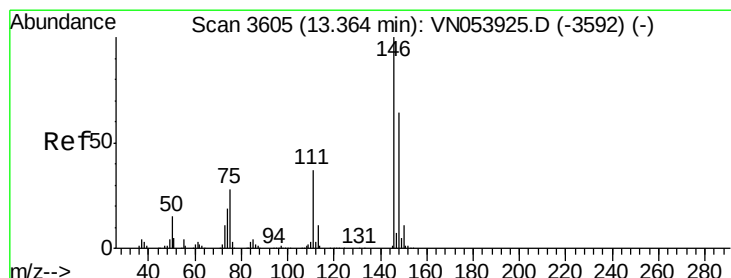
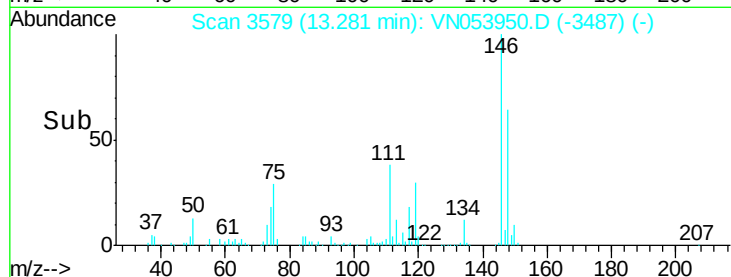
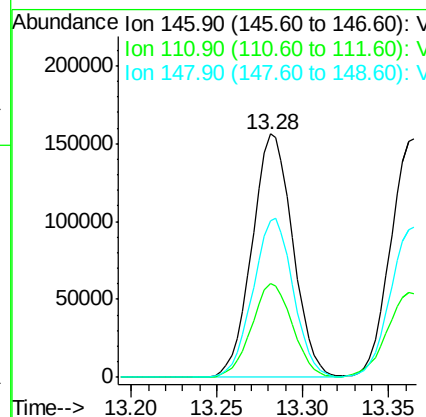
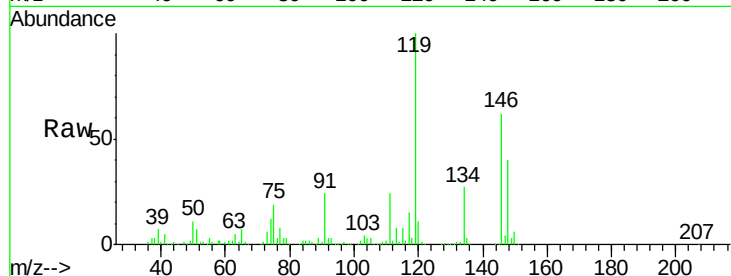




#87
 1,3-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

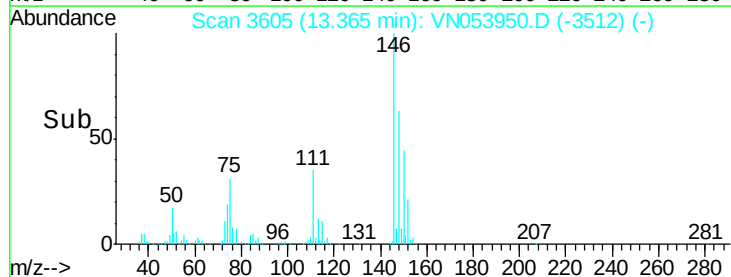
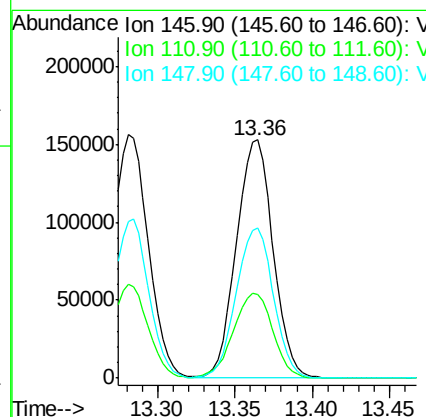
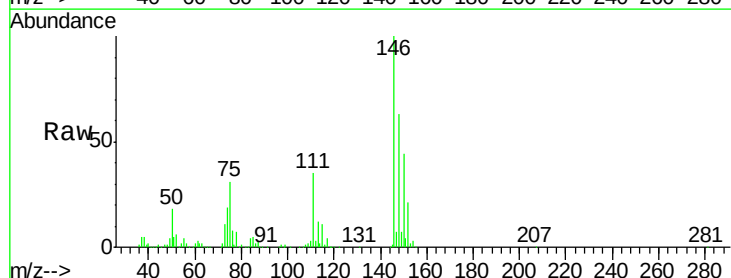
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

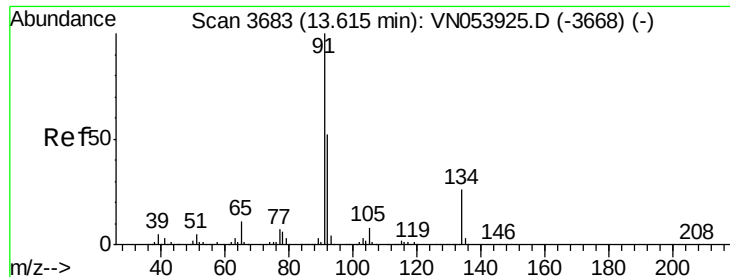
Tot Ion:146 Resp: 256831
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.7 56.1
 148 64.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.864 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion:146 Resp: 252119
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.0 54.0
 148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 19.878 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0226WBSD01

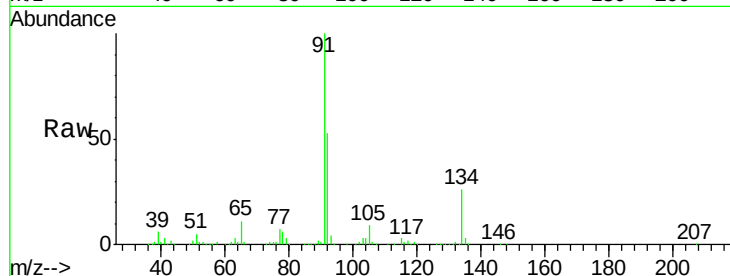
Tot Ion: 91 Resp: 417164

Ion Ratio Lower Upper

91 100

92 51.9 26.1 78.2

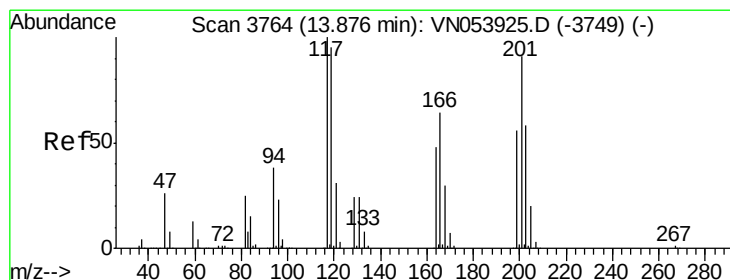
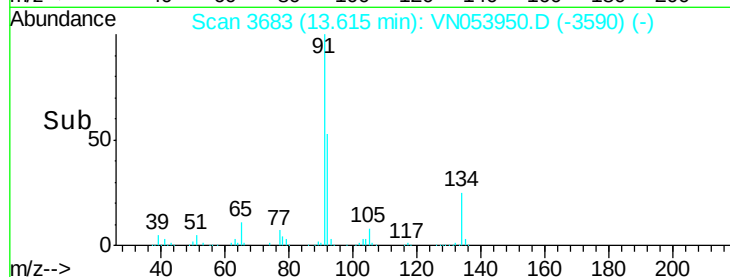
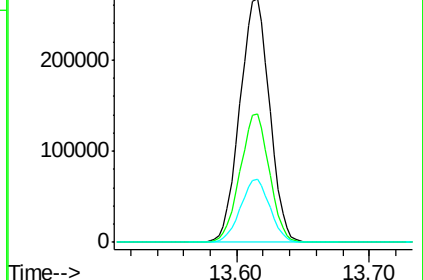
134 25.5 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053925.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053925.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.928 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053950.D

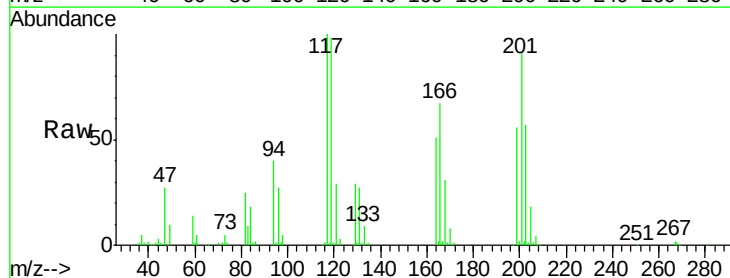
Acq: 26 Feb 2019 13:03

Tgt Ion: 117 Resp: 91341

Ion Ratio Lower Upper

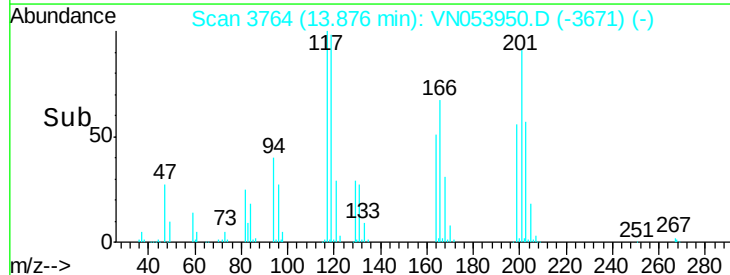
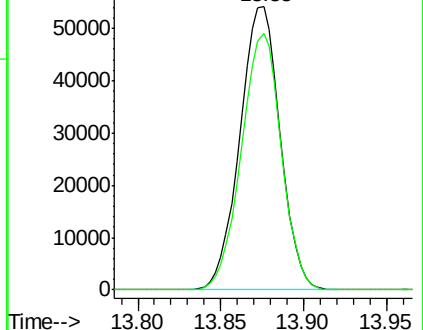
117 100

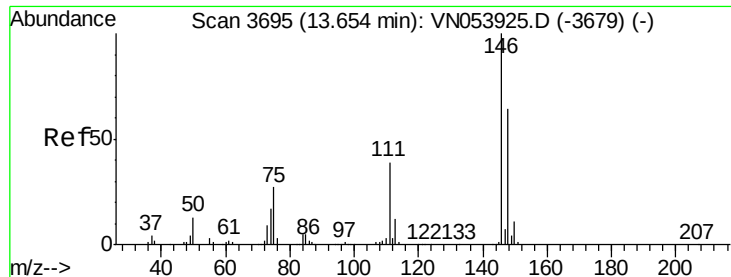
201 89.8 48.0 144.2



Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053925.D (-3749) (-)

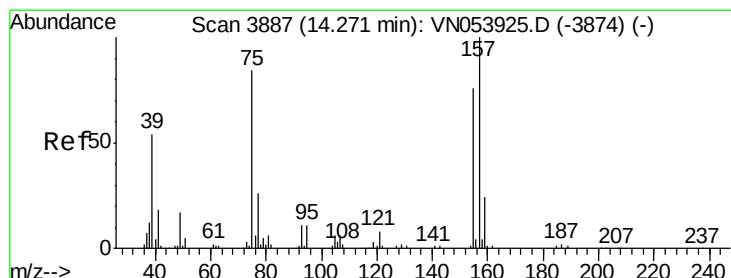
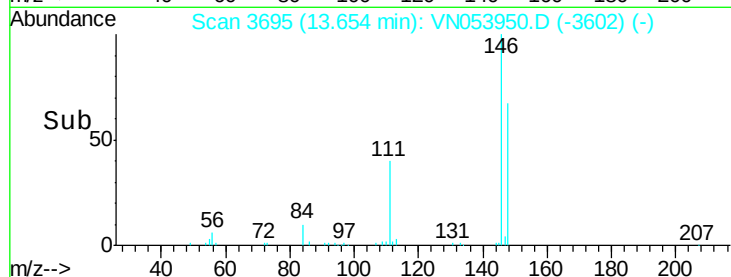
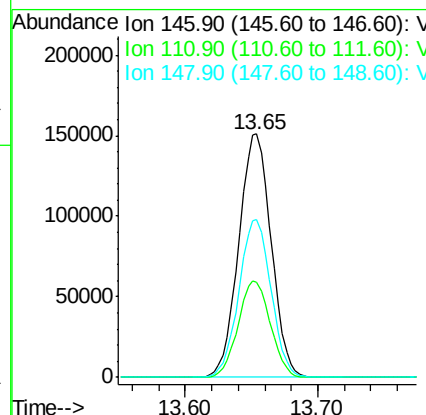
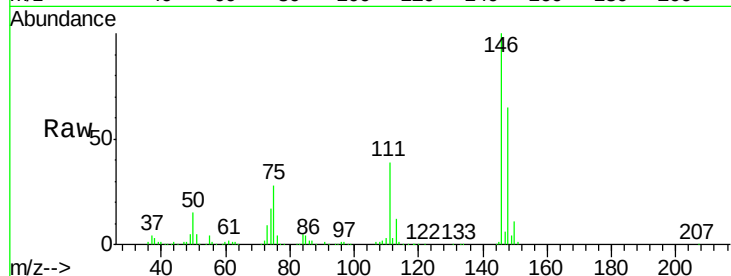




#91
 1,2-Dichlorobenzene
 Concen: 20.245 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

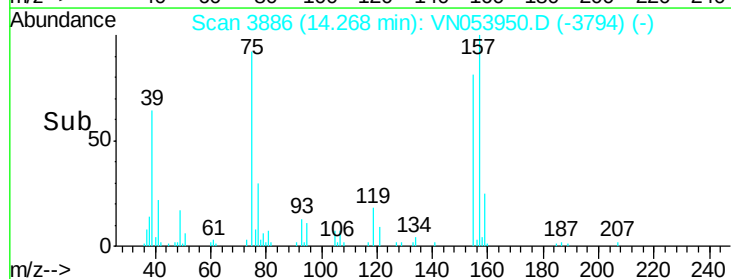
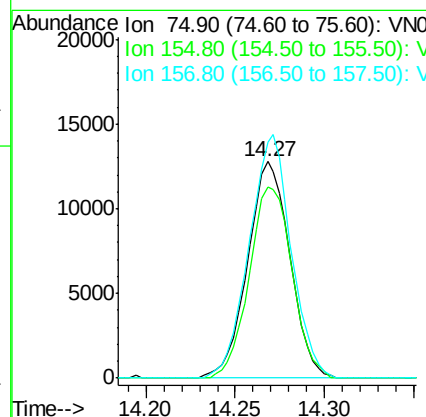
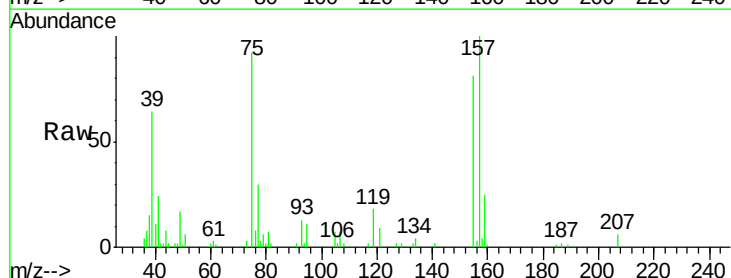
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

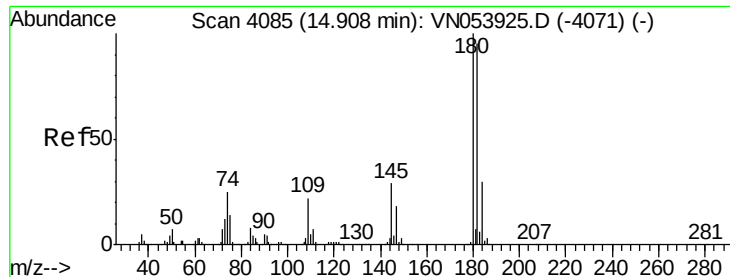
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	64.2	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.082 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	49.5	148.5
157	111.6	64.8	194.6

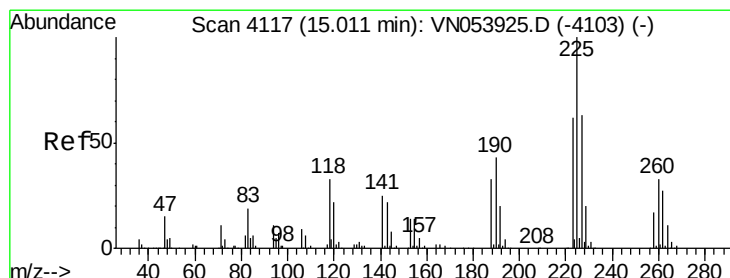
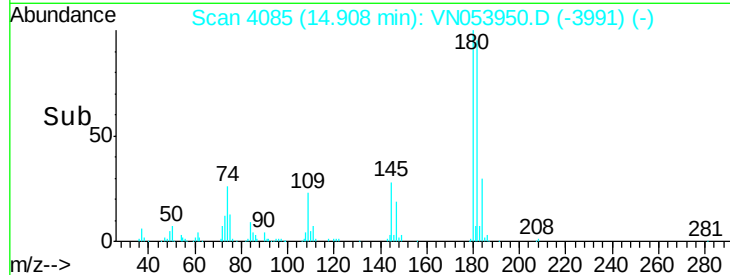
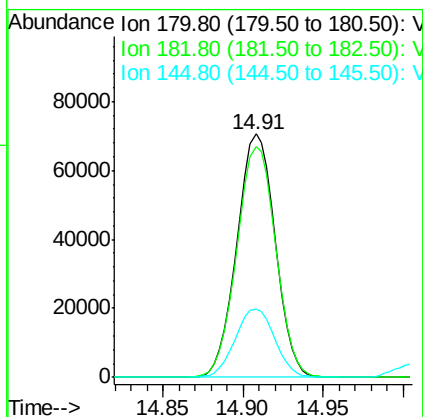
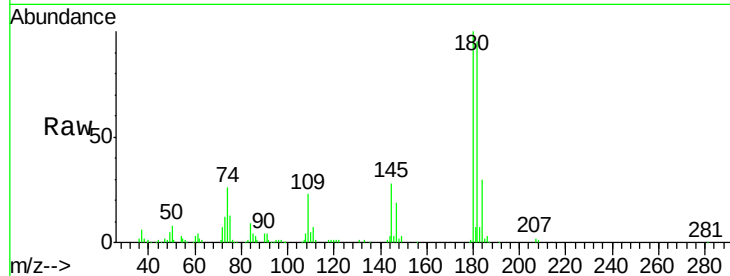




#93
 1,2,4-Trichlorobenzene
 Concen: 17.846 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

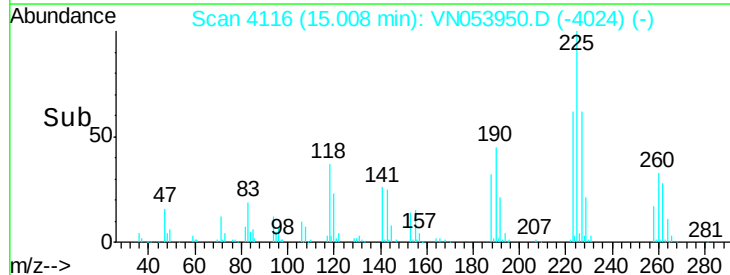
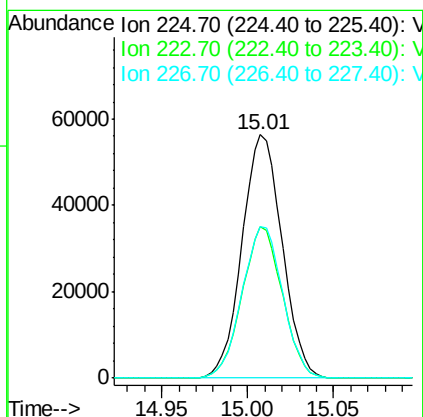
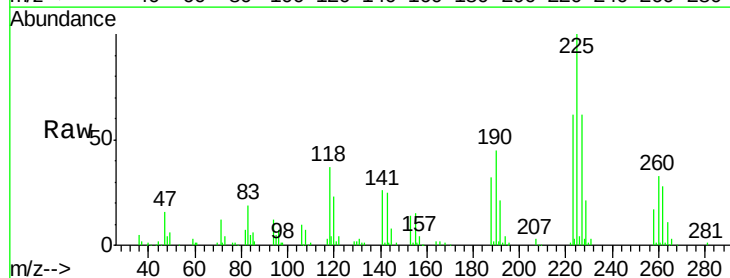
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

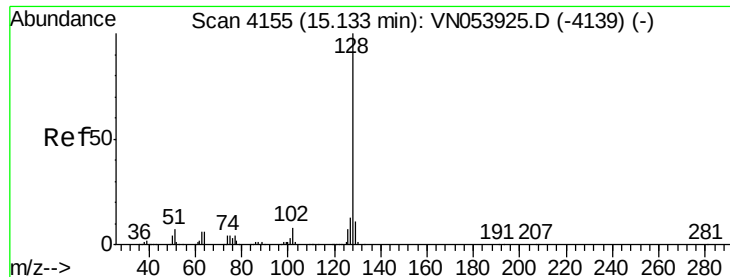
Tot Ion:180 Resp: 114996
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.6 145.9
 145 29.1 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 19.958 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053950.D
 Acq: 26 Feb 2019 13:03

Tgt Ion:225 Resp: 91301
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.5
 227 63.0 32.5 97.4





#95

Naphthalene

Concen: 17.360 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0226WBSD01

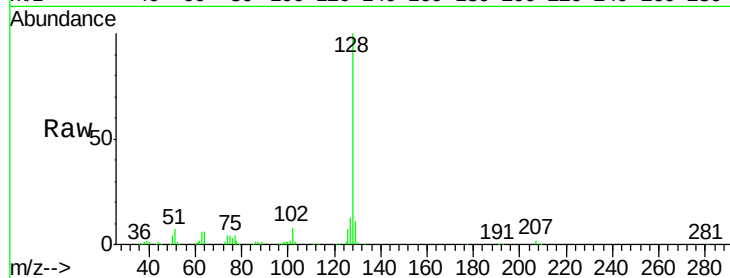
Tot Ion:128 Resp: 229071

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

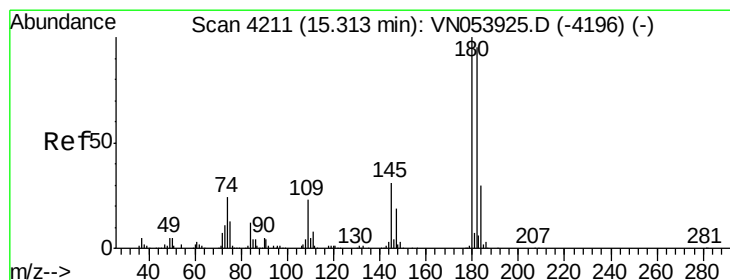
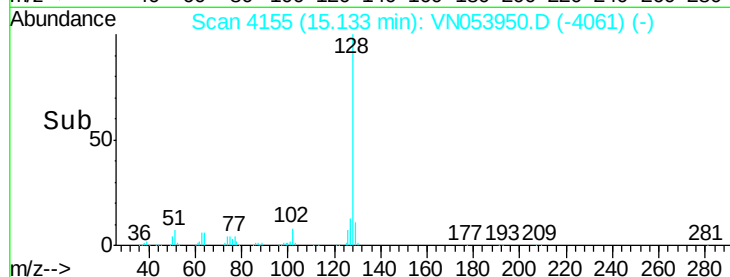
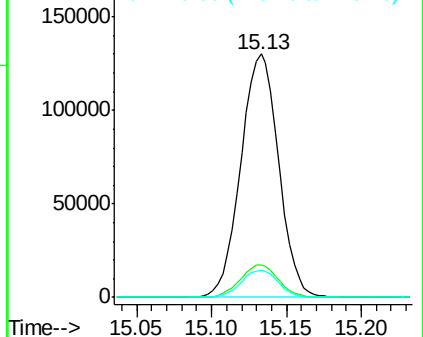
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.243 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053950.D

Acq: 26 Feb 2019 13:03

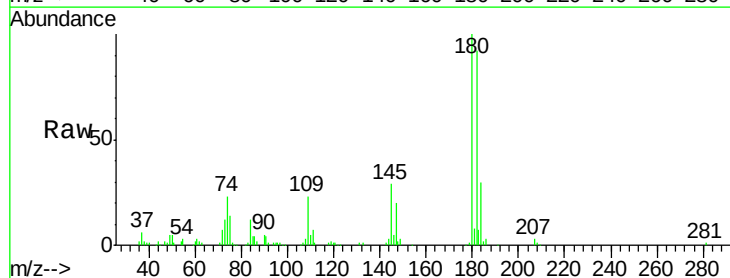
Tgt Ion:180 Resp: 116182

Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.8

145 30.5 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

