

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053948.D
 Acq On : 26 Feb 2019 12:10
 Operator : JC/SP
 Sample : VN0226WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Quant Time: Feb 27 02:24:09 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	666236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1028941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	397620	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	360417	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	7.59	113	321382	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	10.09	98	1185697	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	389625	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	124460	20.298	ug/l	98
3) Chloromethane	2.06	50	163270	19.197	ug/l	100
4) Vinyl Chloride	2.18	62	160115	18.789	ug/l	99
5) Bromomethane	2.57	94	105591	18.710	ug/l	99
6) Chloroethane	2.71	64	97284	18.356	ug/l	99
7) Trichlorofluoromethane	3.02	101	206062	18.928	ug/l	99
8) Diethyl Ether	3.41	74	74442	18.252	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132064	19.208	ug/l	94
10) Methyl Iodide	3.95	142	166191	18.395	ug/l	99
11) Tert butyl alcohol	4.77	59	41191	83.199	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	124277	18.896	ug/l	93
13) Acrolein	3.60	56	37889	73.917	ug/l	99
14) Allyl chloride	4.32	41	206546	17.906	ug/l	93
15) Acrylonitrile	4.98	53	230936	88.502	ug/l	98
16) Acetone	3.81	43	212574	95.302	ug/l	97
17) Carbon Disulfide	4.05	76	385151	18.153	ug/l	100
18) Methyl Acetate	4.32	43	96941	17.752	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	325970	18.476	ug/l	96
20) Methylene Chloride	4.55	84	141109	18.256	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	133684	18.780	ug/l	93
22) Diisopropyl ether	5.95	45	432264	19.424	ug/l	95
23) Vinyl Acetate	5.89	43	1475449	92.165	ug/l	96
24) 1,1-Dichloroethane	5.85	63	258492	18.942	ug/l	99
25) 2-Butanone	6.83	43	276886	90.294	ug/l	93
26) 2,2-Dichloropropane	6.82	77	186670	19.253	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148510	18.760	ug/l	94
28) Bromochloromethane	7.19	49	131915	21.118	ug/l #	81
29) Tetrahydrofuran	7.21	42	176589	86.475	ug/l	93
30) Chloroform	7.37	83	250247	18.911	ug/l	97
31) Cyclohexane	7.65	56	247282	19.551	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	206057	18.886	ug/l	96
36) 1,1-Dichloropropene	7.79	75	188497	19.699	ug/l	98
37) Ethyl Acetate	6.93	43	120252	17.600	ug/l	98
38) Carbon Tetrachloride	7.77	117	183204	18.409	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220497	19.118	ug/l	93
40) Benzene	8.04	78	566519	19.272	ug/l	99
41) Methacrylonitrile	7.18	41	70972	16.132	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	177033	19.453	ug/l	97
43) Isopropyl Acetate	8.16	43	205725	17.833	ug/l	92
44) Trichloroethene	8.83	130	151038	19.381	ug/l	94
45) 1,2-Dichloropropane	9.12	63	154387	19.467	ug/l	98
46) Dibromomethane	9.21	93	87664	19.040	ug/l	93
47) Bromodichloromethane	9.40	83	184992	19.065	ug/l	100
48) Methyl methacrylate	9.20	41	96308	18.150	ug/l	91
49) 1,4-Dioxane	9.20	88	25212	350.802	ug/l #	87
51) 4-Methyl-2-Pentanone	9.98	43	550297	92.830	ug/l	95
52) Toluene	10.15	92	339952	19.640	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	179849	19.050	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	214846	19.303	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	124656	19.284	ug/l	98
56) Ethyl methacrylate	10.43	69	141183	17.960	ug/l	91
57) 1,3-Dichloropropane	10.71	76	210608	19.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	335639	94.039	ug/l	96
59) 2-Hexanone	10.75	43	350164	90.822	ug/l	94
60) Dibromochloromethane	10.90	129	133309	18.556	ug/l	100
61) 1,2-Dibromoethane	11.00	107	117481	18.840	ug/l	98
64) Tetrachloroethene	10.63	164	149884	19.836	ug/l	98
65) Chlorobenzene	11.43	112	355341	18.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	131883	19.431	ug/l	99
67) Ethyl Benzene	11.51	91	620653	19.659	ug/l	97
68) m/p-Xylenes	11.62	106	478030	40.118	ug/l	97
69) o-Xylene	11.95	106	225384	19.250	ug/l	96
70) Styrene	11.96	104	358994	19.935	ug/l	98
71) Bromoform	12.13	173	86686	18.359	ug/l #	100
73) Isopropylbenzene	12.25	105	607516	19.628	ug/l	98
74) N-amyl acetate	12.07	43	147247	18.151	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	141912	18.335	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	172044	26.972	ug/l #	100
77) Bromobenzene	12.53	156	150582	19.162	ug/l	92
78) n-propylbenzene	12.59	91	711530	20.214	ug/l	97
79) 2-Chlorotoluene	12.67	91	418819	19.806	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	511256	20.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35955	17.816	ug/l	94
82) 4-Chlorotoluene	12.77	91	419179	20.057	ug/l	96
83) tert-Butylbenzene	12.99	119	435966	19.453	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	518681	20.503	ug/l	98
85) sec-Butylbenzene	13.17	105	621083	20.290	ug/l	98
86) p-Isopropyltoluene	13.29	119	532692	20.586	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	262930	19.341	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	258898	19.630	ug/l	98
89) n-Butylbenzene	13.61	91	447035	20.499	ug/l	98
90) Hexachloroethane	13.87	117	92974	18.541	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	258816	19.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20036	18.318	ug/l	86

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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

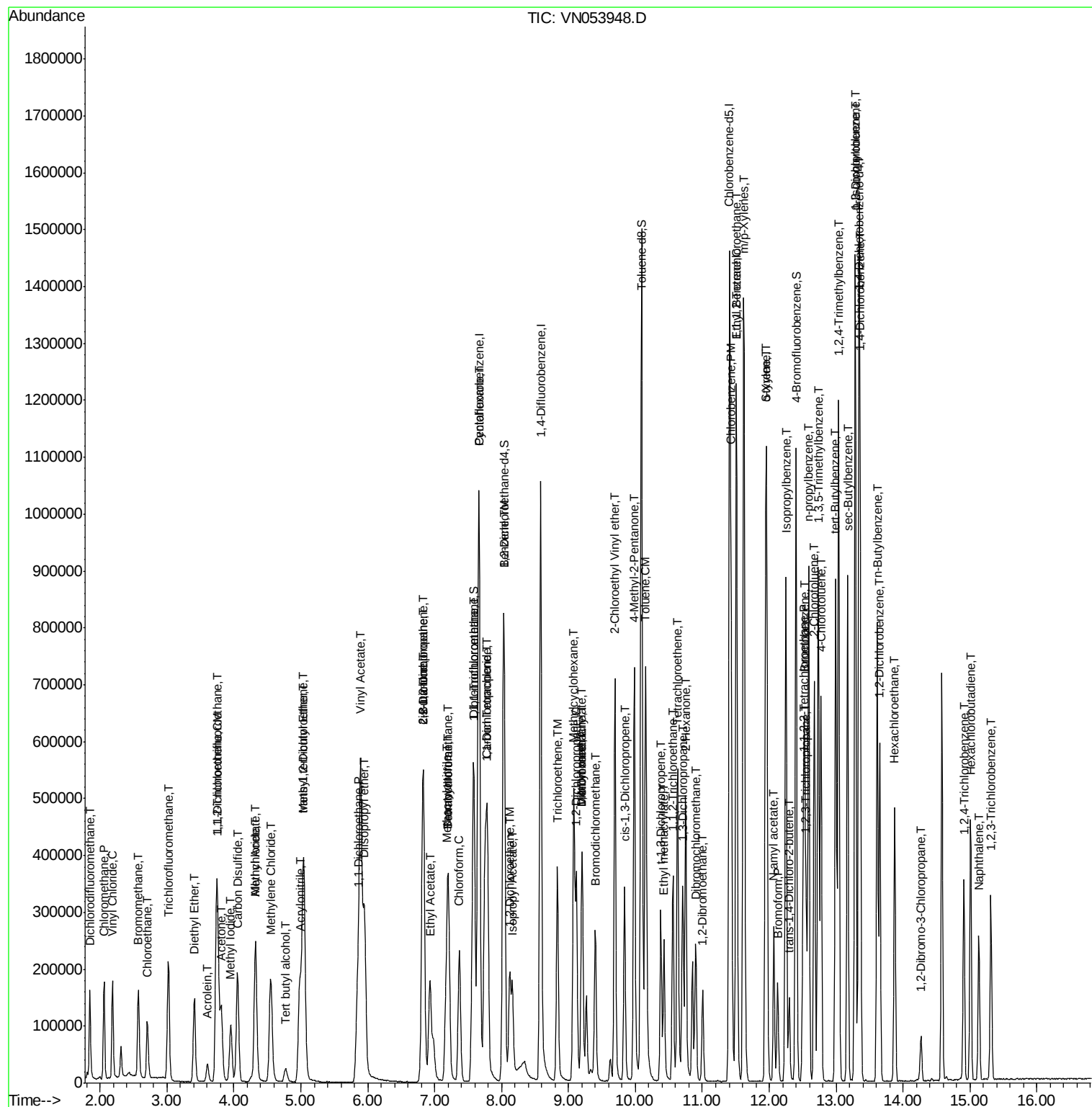
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119968	17.908	ug/l	97
94) Hexachlorobutadiene	15.01	225	95960	20.187	ug/l	97
95) Naphthalene	15.13	128	223287	16.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	118154	17.887	ug/l	98

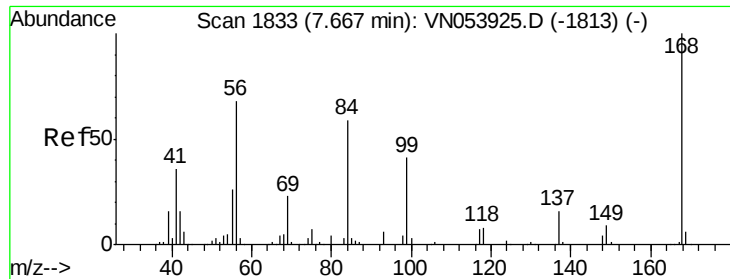
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022619\
Data File : VN053948.D
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Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Feb 27 02:24:09 2019
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Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
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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: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

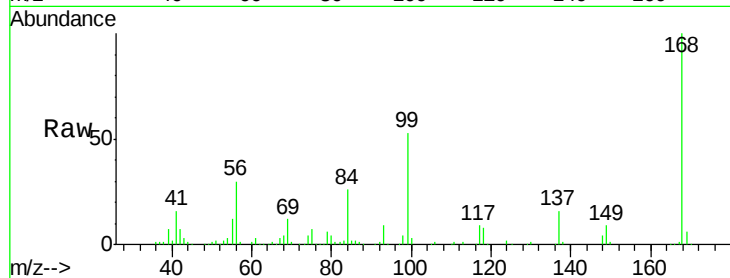
VN0226WBS01

Tot Ion:168 Resp: 666236

Ion Ratio Lower Upper

168 100

99 52.2 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

250000

200000

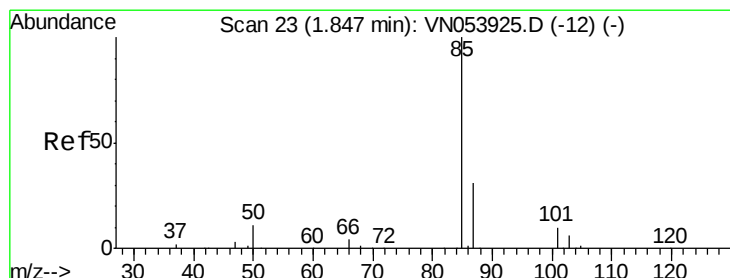
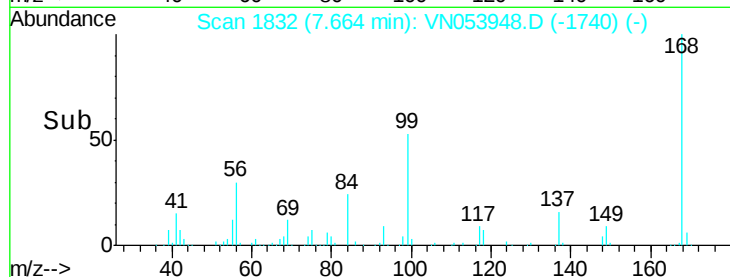
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 20.298 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053948.D

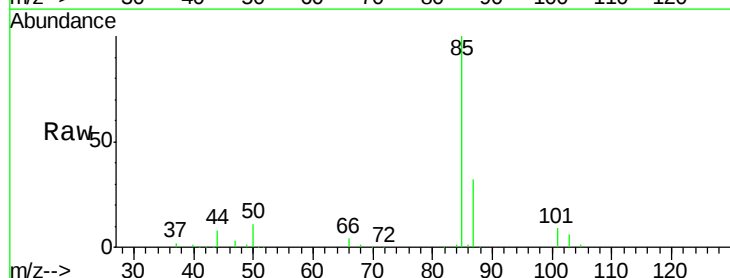
Acq: 26 Feb 2019 12:10

Tgt Ion: 85 Resp: 124460

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

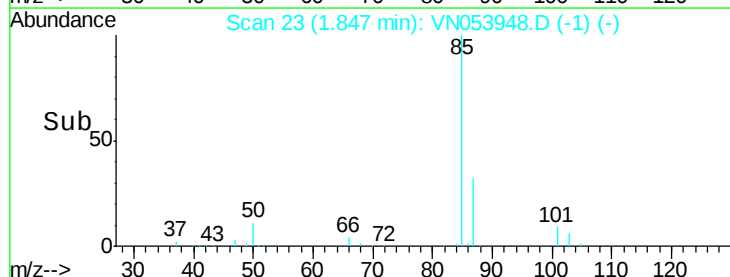
60000

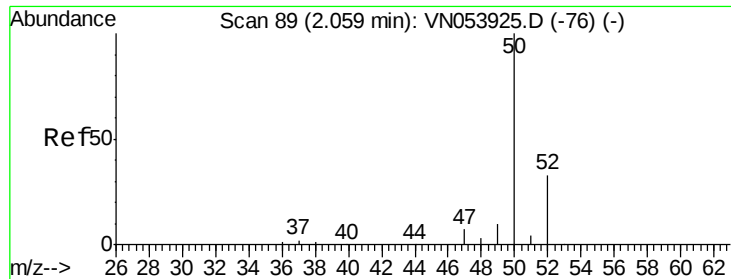
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95

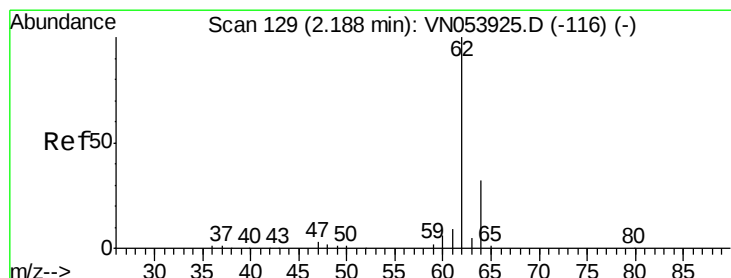
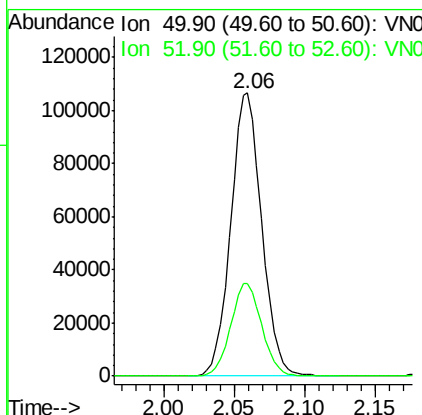
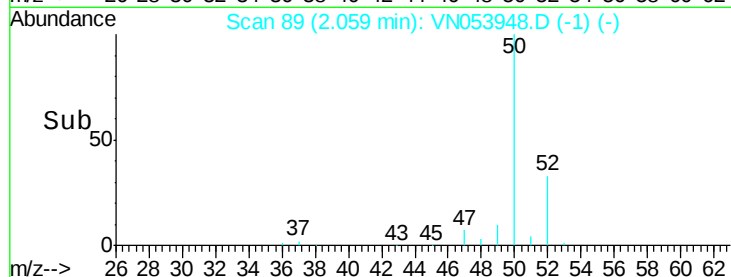
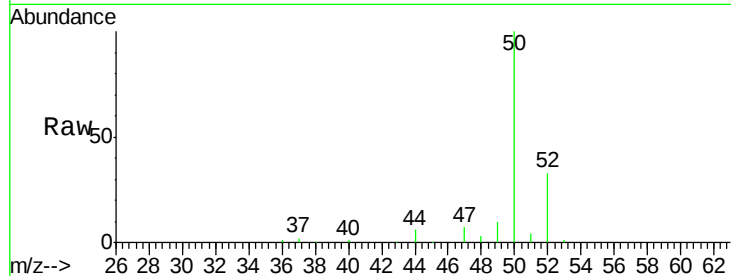




#3
 Chloromethane
 Concen: 19.197 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

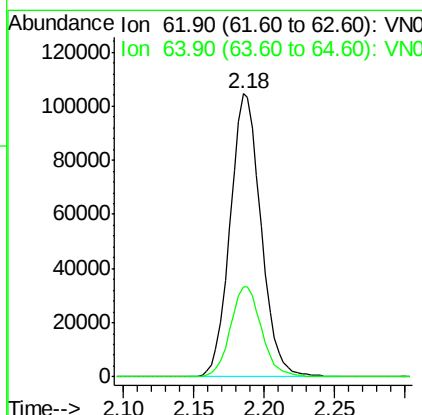
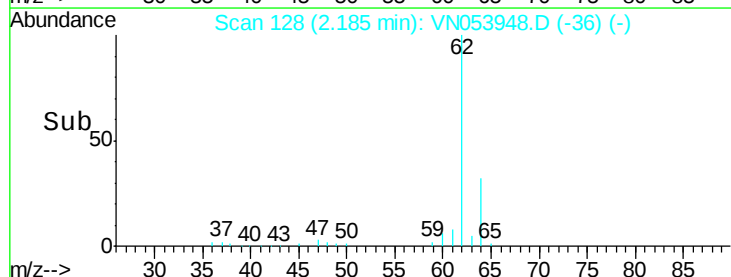
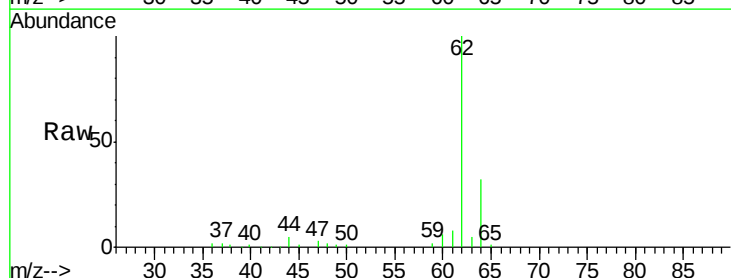
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

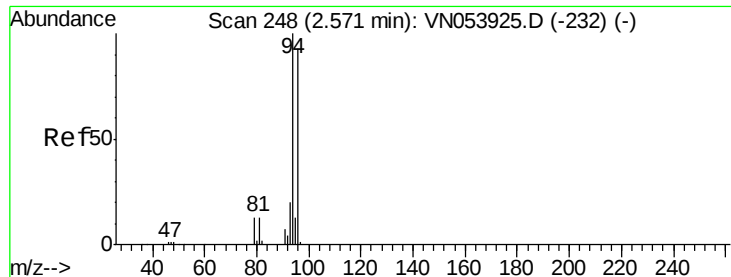
Tot Ion: 50 Resp: 163270
 Ion Ratio Lower Upper
 50 100
 52 32.6 26.0 39.0



#4
 Vinyl Chloride
 Concen: 18.789 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 62 Resp: 160115
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.1 37.7





#5

Bromomethane

Concen: 18.710 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

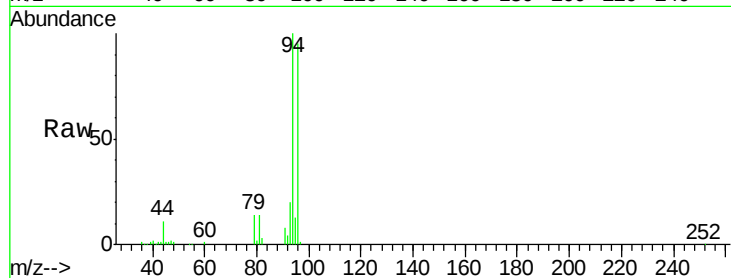
VN0226WBS01

Tot Ion: 94 Resp: 105591

Ion Ratio Lower Upper

94 100

96 94.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

60000

50000

40000

30000

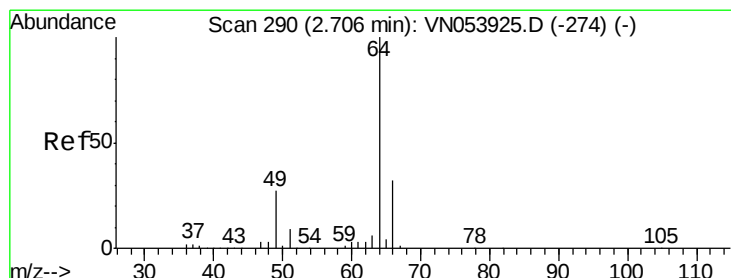
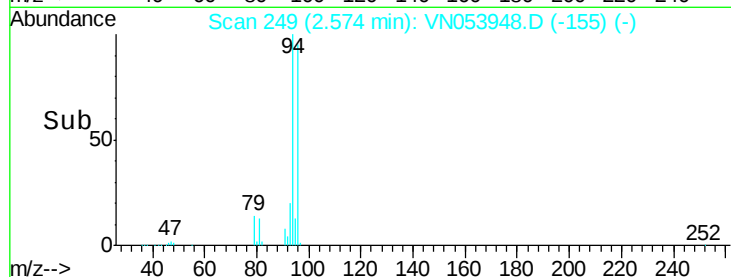
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 18.356 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053948.D

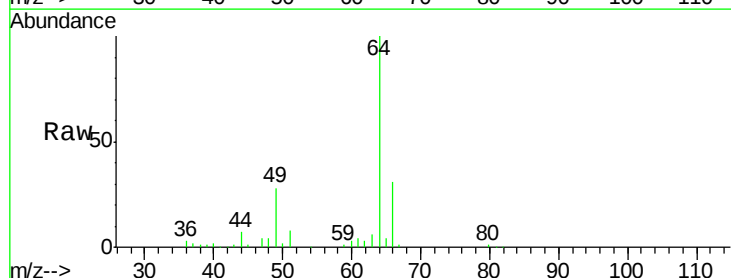
Acq: 26 Feb 2019 12:10

Tgt Ion: 64 Resp: 97284

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

50000

40000

30000

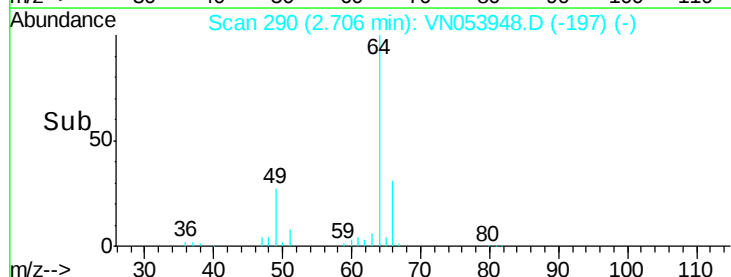
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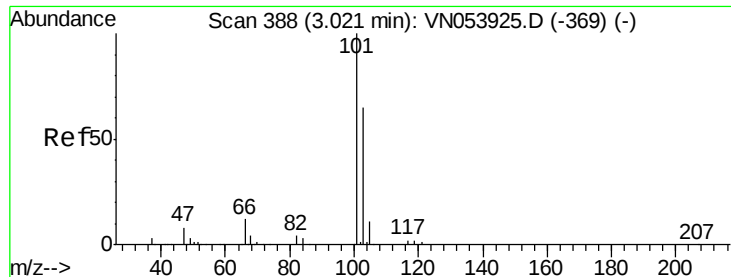
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0

Time-->

2.60 2.70 2.80



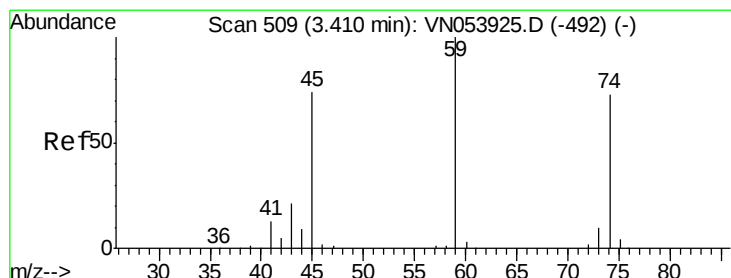
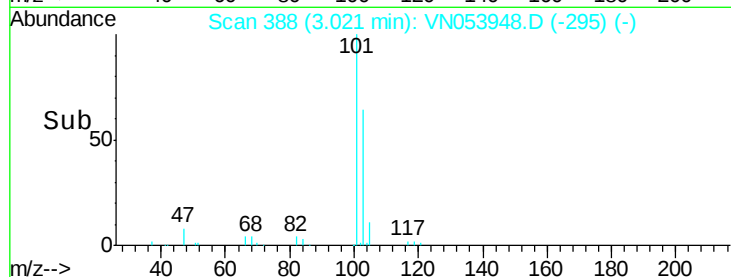
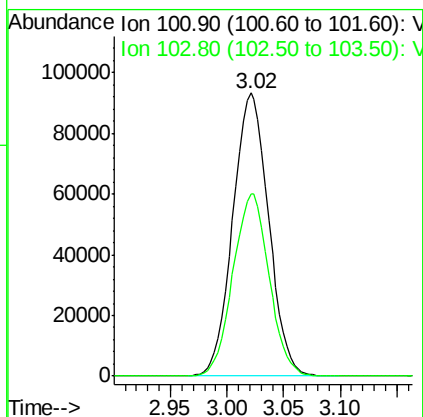
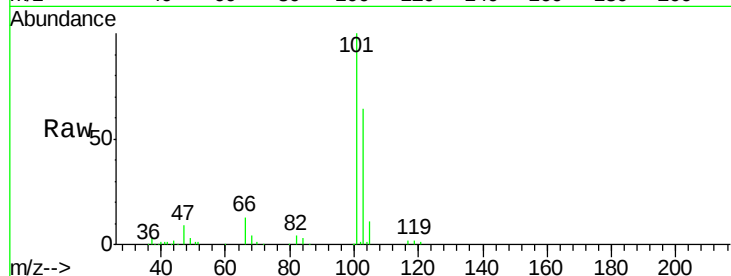


#7

Trichlorofluoromethane
 Concen: 18.928 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBS01

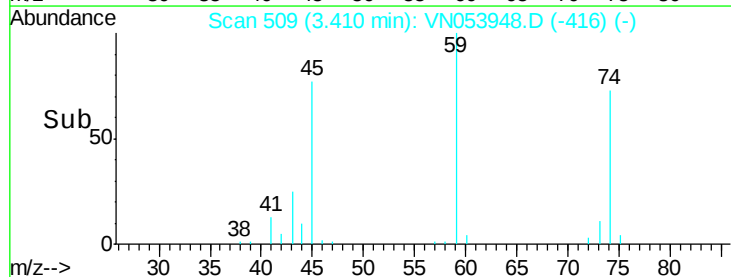
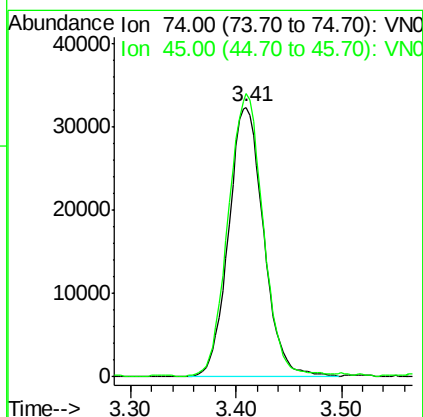
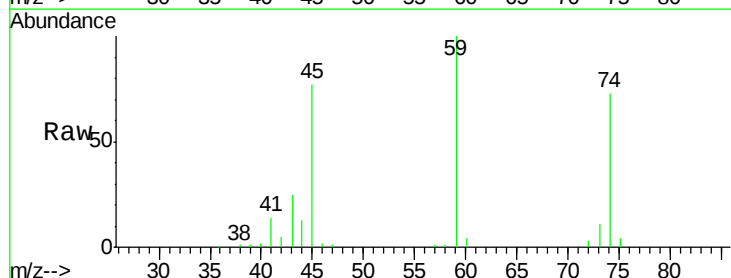
Tot Ion:101 Resp: 206062
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.9 77.9

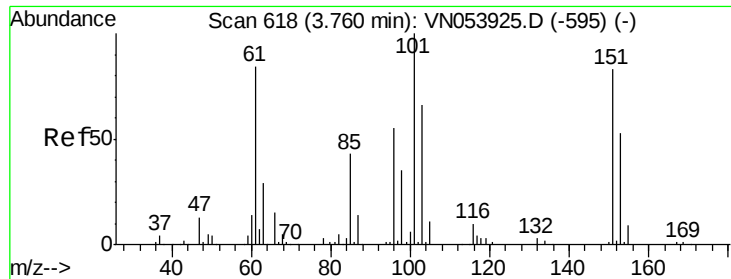


#8

Diethyl Ether
 Concen: 18.252 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 74 Resp: 74442
 Ion Ratio Lower Upper
 74 100
 45 105.2 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.208 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

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ClientSampleId :

VN0226WBS01

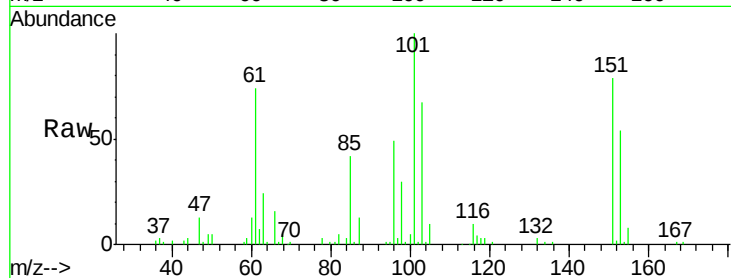
Tot Ion:101 Resp: 132064

Ion Ratio Lower Upper

101 100

85 43.2 32.5 48.7

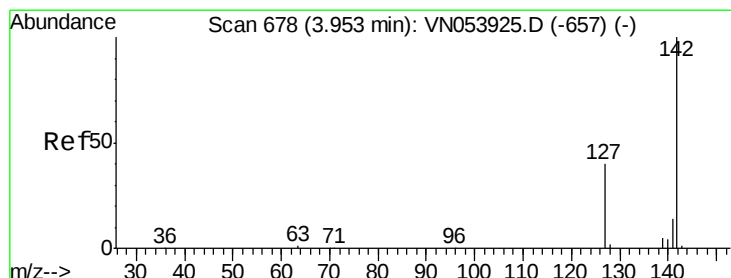
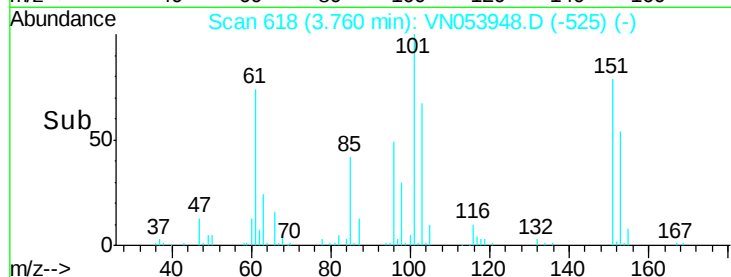
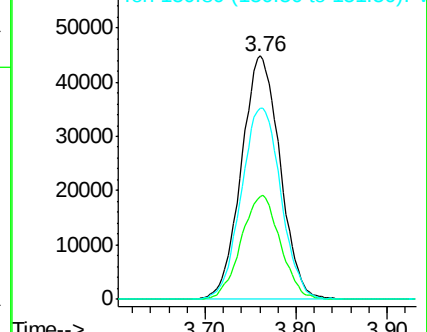
151 80.7 70.2 105.2



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: 18.395 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

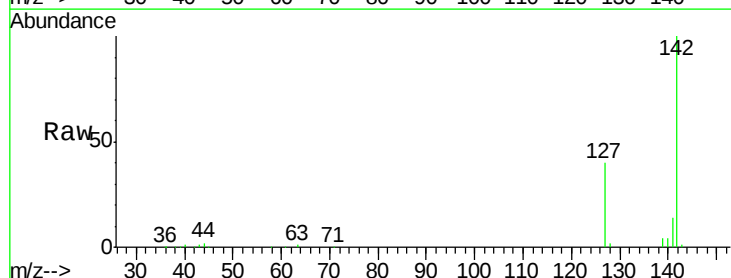
Tgt Ion:142 Resp: 166191

Ion Ratio Lower Upper

142 100

127 39.6 31.0 46.4

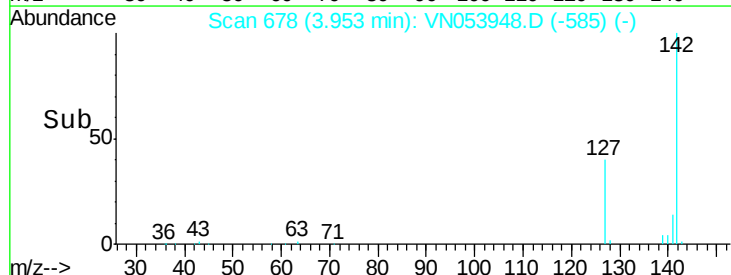
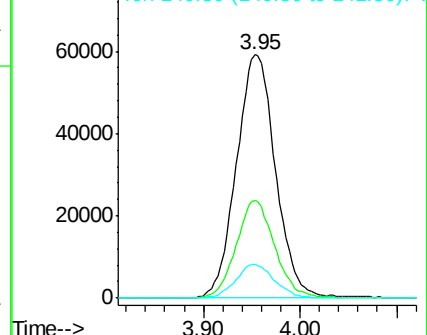
141 13.9 11.3 16.9

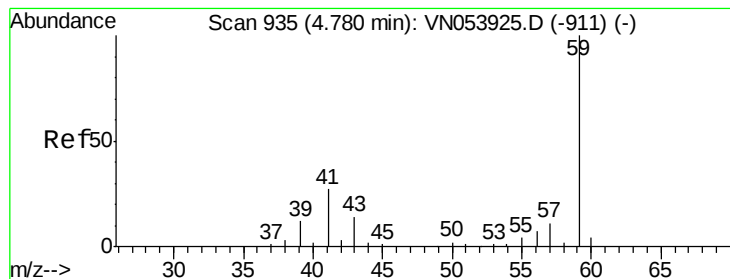


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



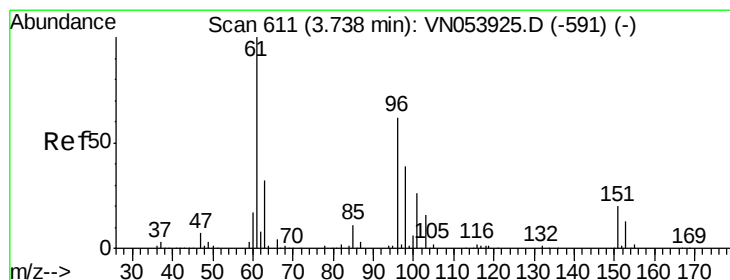
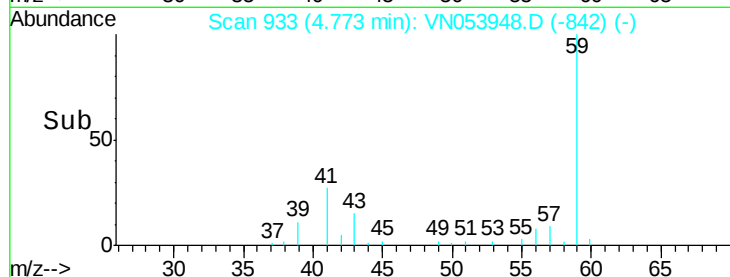
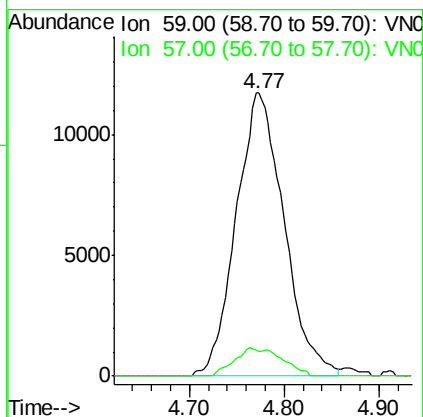
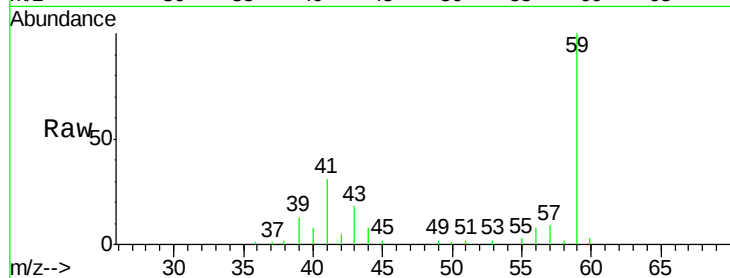


#11

Tert butyl alcohol
 Concen: 83.199 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBS01

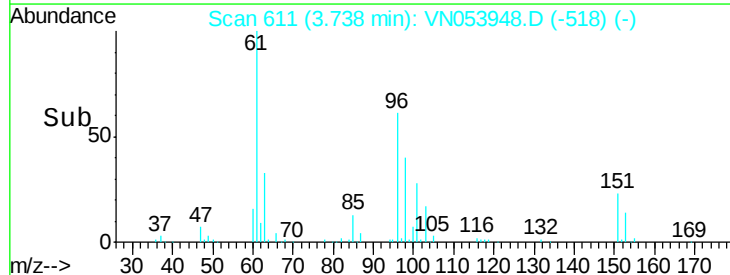
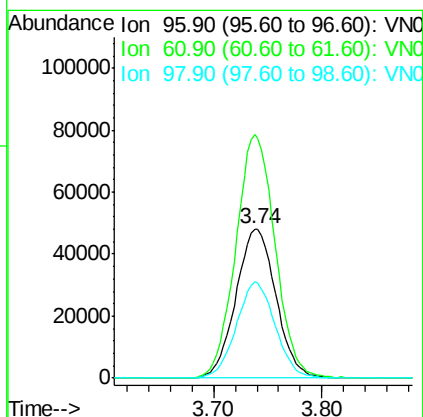
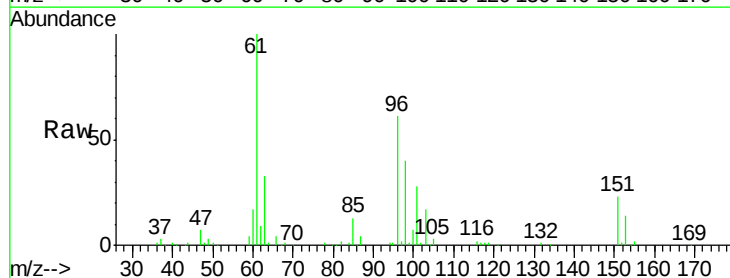
Tot Ion: 59 Resp: 41191
 Ion Ratio Lower Upper
 59 100
 57 5.5 8.1 12.1#

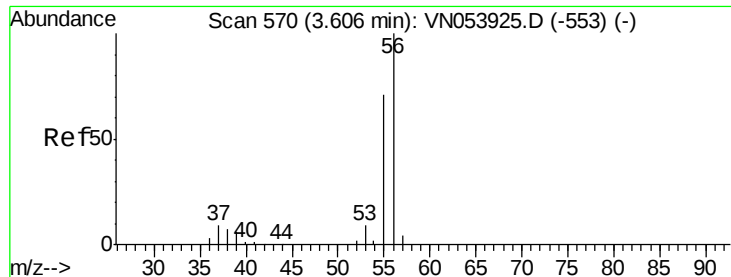


#12

1,1-Dichloroethene
 Concen: 18.896 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 96 Resp: 124277
 Ion Ratio Lower Upper
 96 100
 61 163.1 121.0 181.4
 98 64.6 52.2 78.2





#13

Acrolein

Concen: 73.917 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

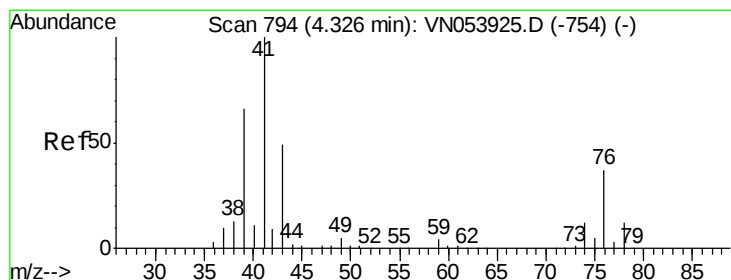
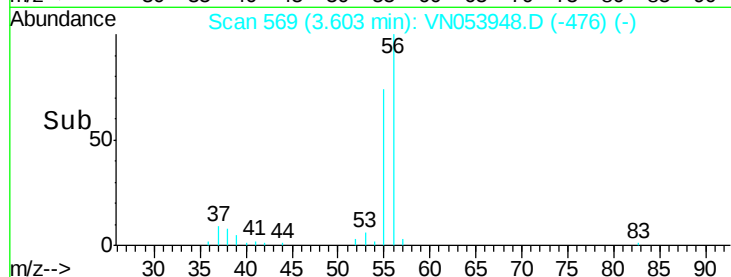
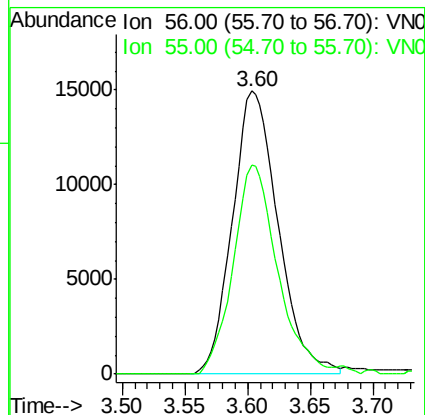
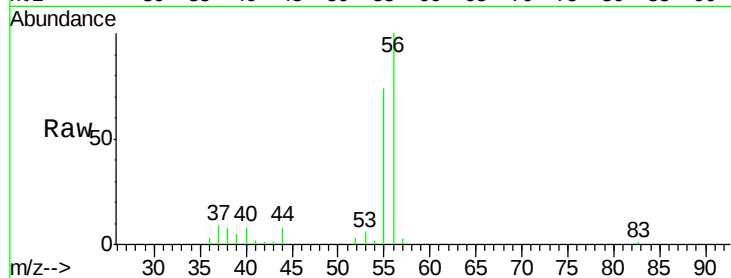
VN0226WBS01

Tot Ion: 56 Resp: 37889

Ion Ratio Lower Upper

56 100

55 71.5 56.3 84.5



#14

Allyl chloride

Concen: 17.906 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

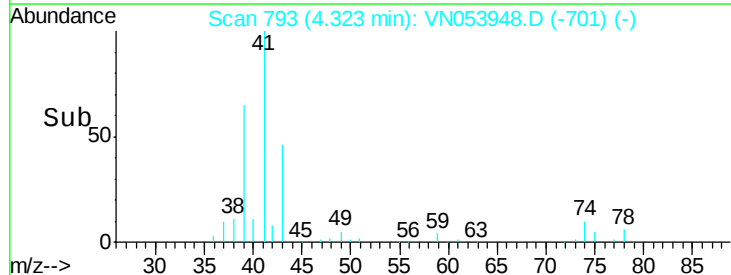
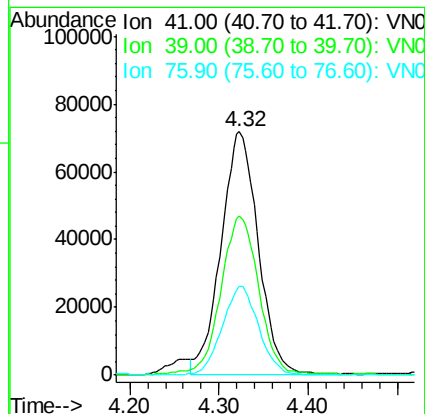
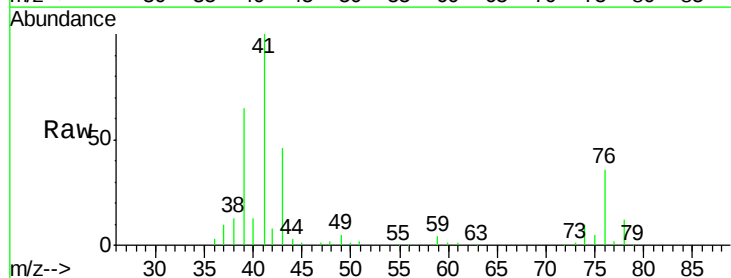
Tgt Ion: 41 Resp: 206546

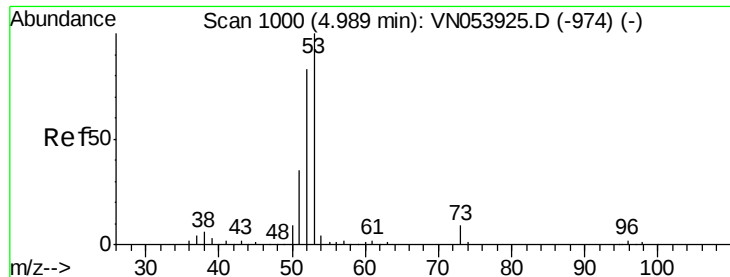
Ion Ratio Lower Upper

41 100

39 67.4 48.8 73.2

76 35.1 30.9 46.3





#15

Acrylonitrile

Concen: 88.502 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

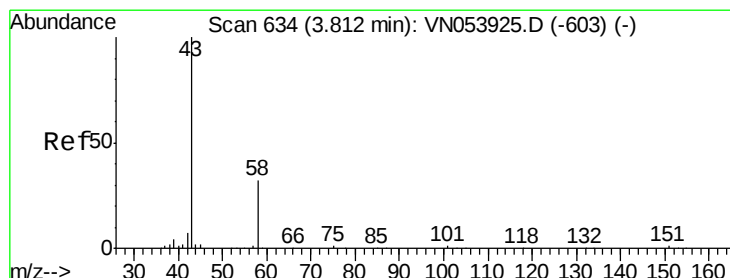
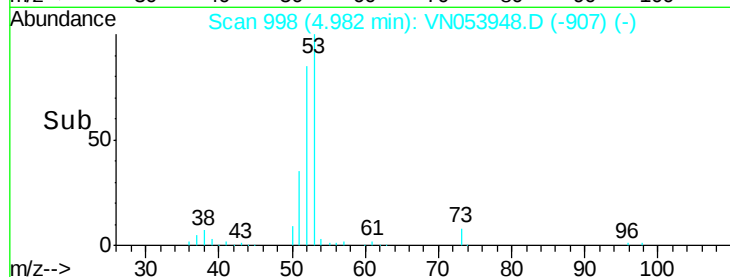
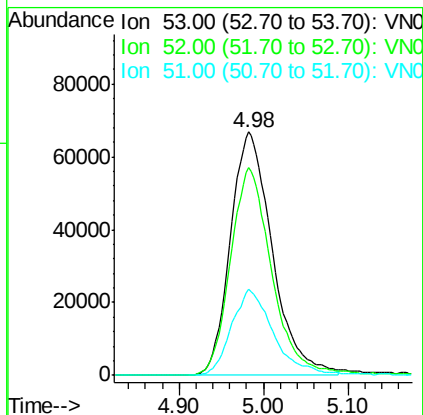
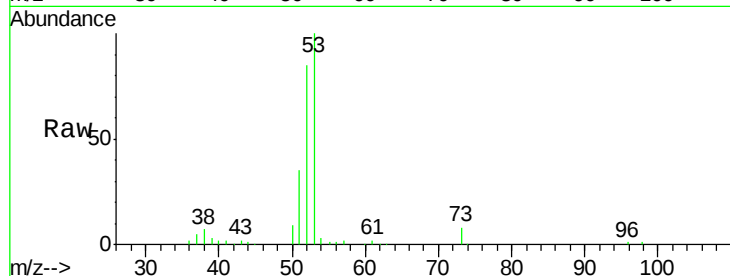
Tot Ion: 53 Resp: 230936

Ion Ratio Lower Upper

53 100

52 84.0 65.1 97.7

51 35.7 28.2 42.4



#16

Acetone

Concen: 95.302 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053948.D

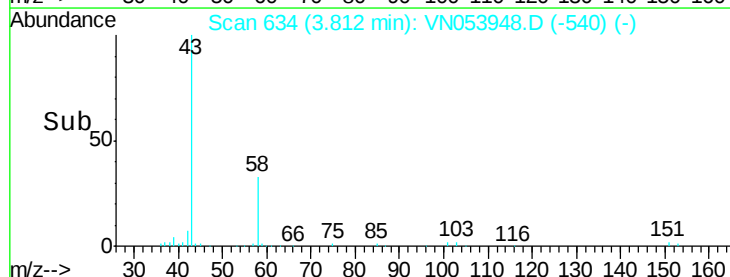
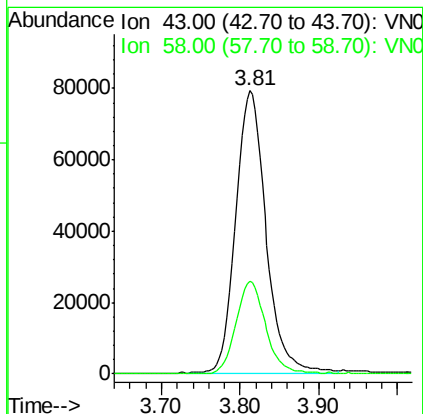
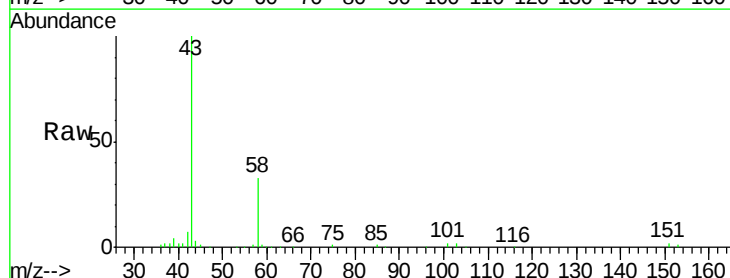
Acq: 26 Feb 2019 12:10

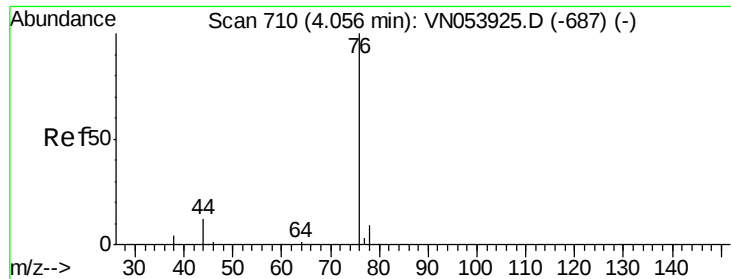
Tgt Ion: 43 Resp: 212574

Ion Ratio Lower Upper

43 100

58 32.6 27.6 41.4

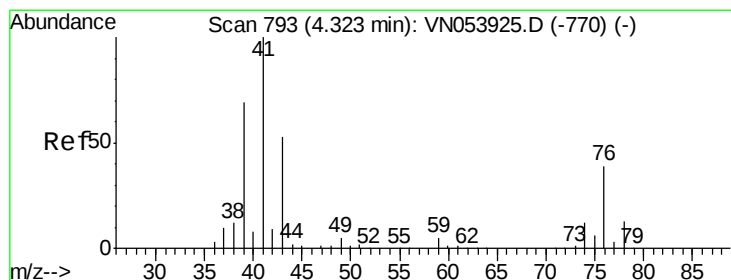
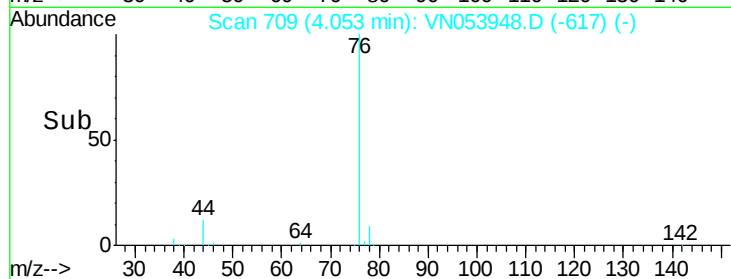
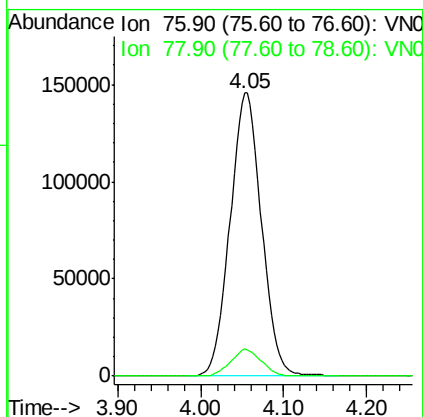
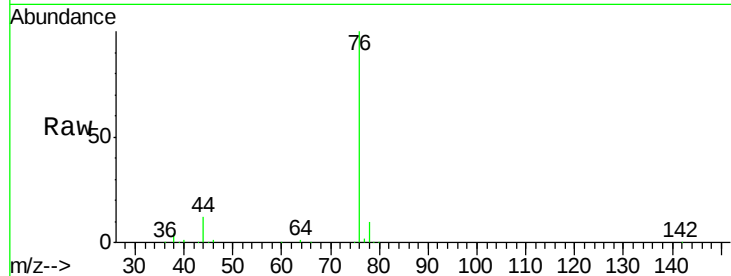




#17
 Carbon Disulfide
 Concen: 18.153 ug/l
 RT: 4.05 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

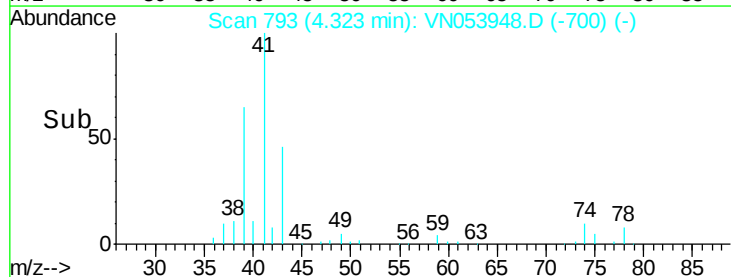
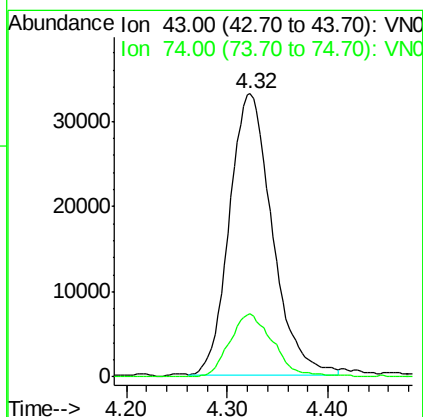
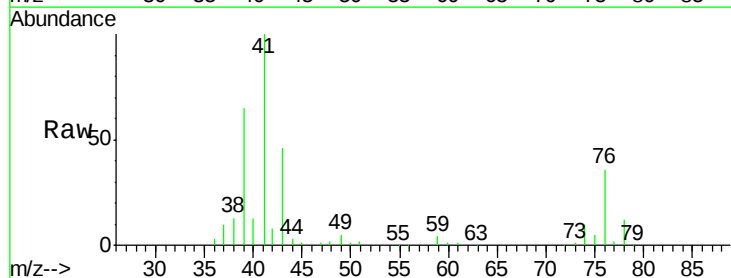
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

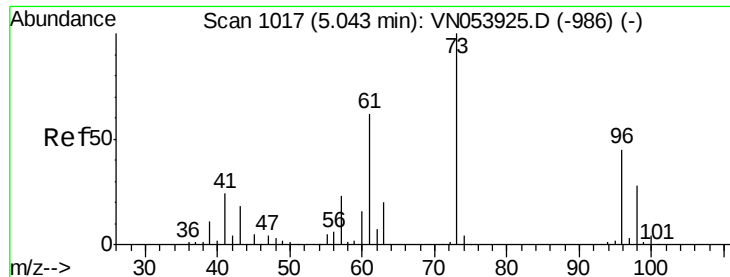
Tot Ion: 76 Resp: 385151
 Ion Ratio Lower Upper
 76 100
 78 9.5 7.5 11.3



#18
 Methyl Acetate
 Concen: 17.752 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 43 Resp: 96941
 Ion Ratio Lower Upper
 43 100
 74 23.1 20.5 30.7

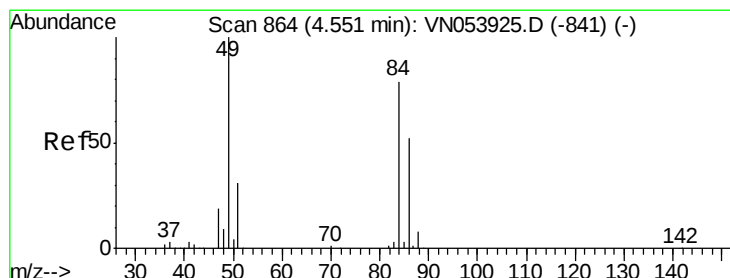
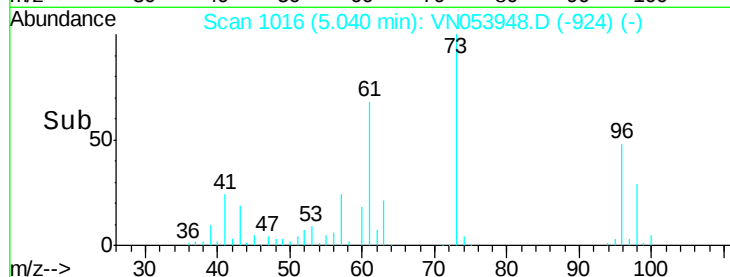
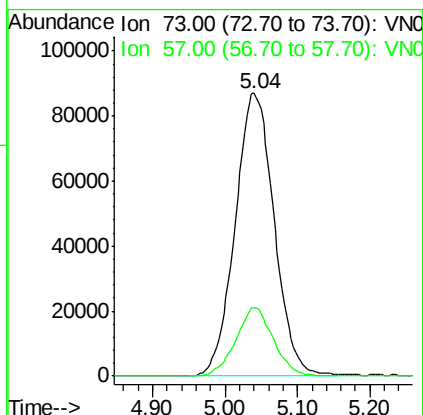
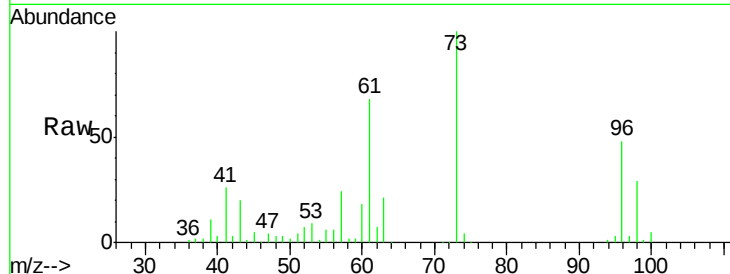




#19
Methvl tert-butvl Ether
Concen: 18.476 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

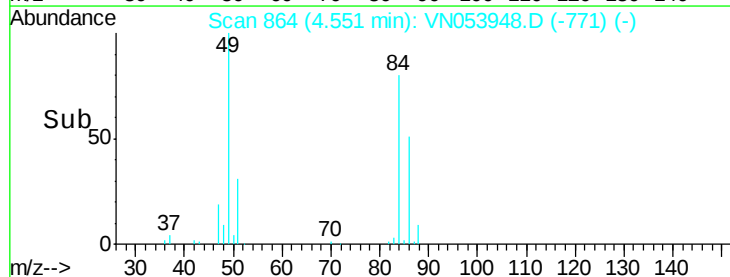
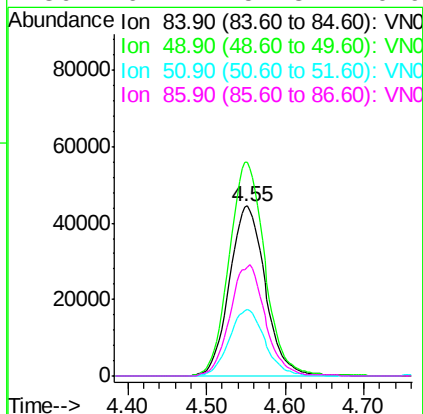
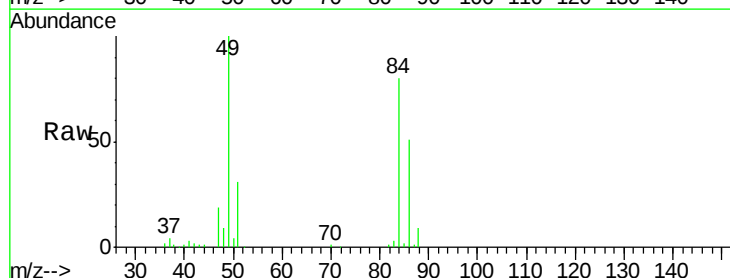
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

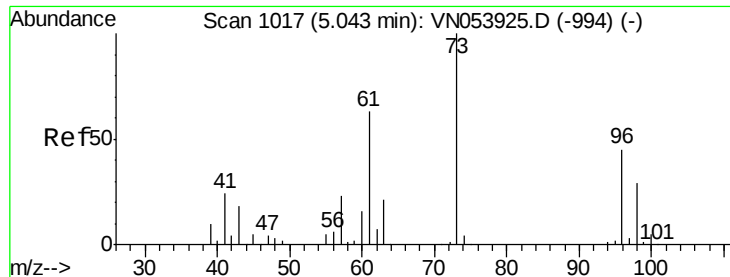
Tot Ion: 73 Resp: 325970
Ion Ratio Lower Upper
73 100
57 24.3 18.0 27.0



#20
Methylene Chloride
Concen: 18.256 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 84 Resp: 141109
Ion Ratio Lower Upper
84 100
49 125.7 89.7 134.5
51 39.0 27.8 41.8
86 64.2 51.3 76.9

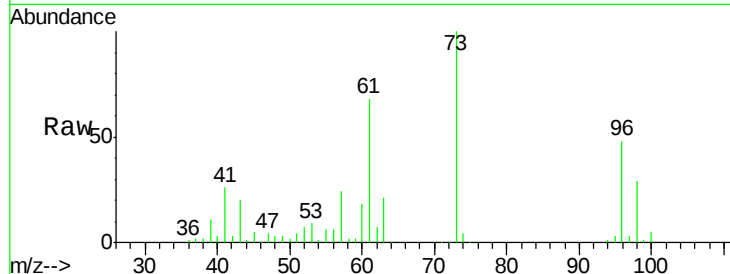




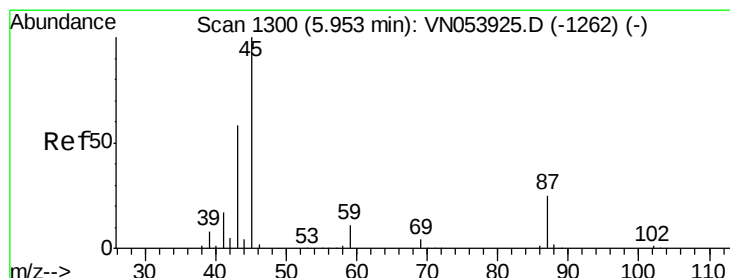
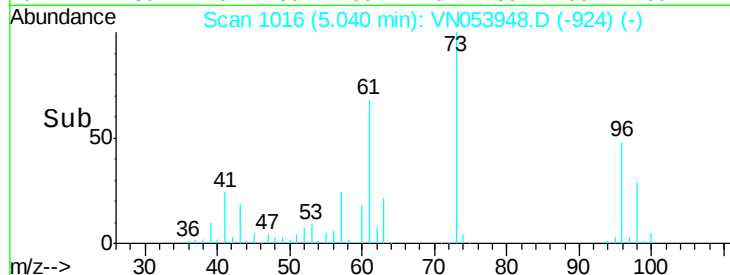
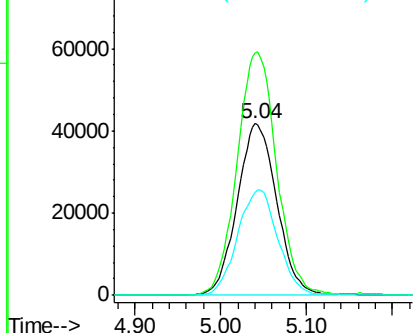
#21
trans-1,2-Dichloroethene
Concen: 18.780 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion: 96 Resp: 133684
Ion Ratio Lower Upper
96 100
61 141.2 104.5 156.7
98 60.2 50.6 76.0

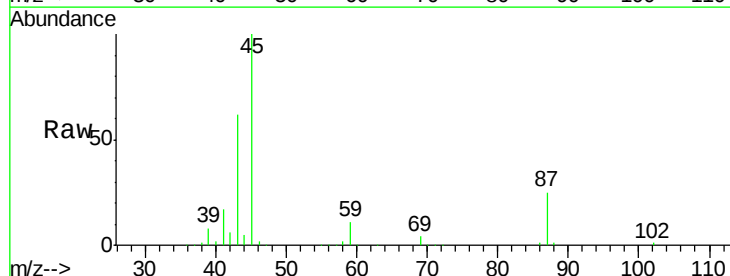


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

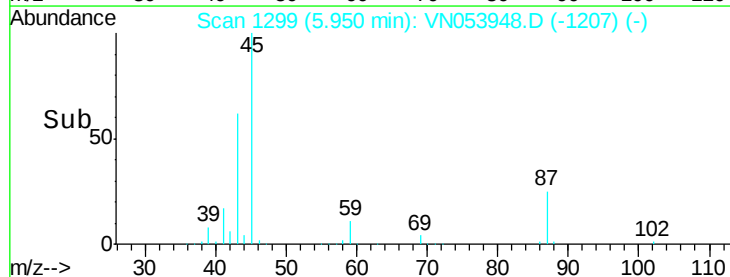
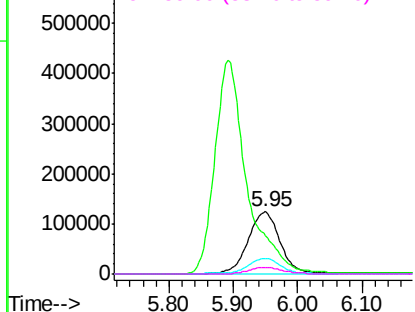


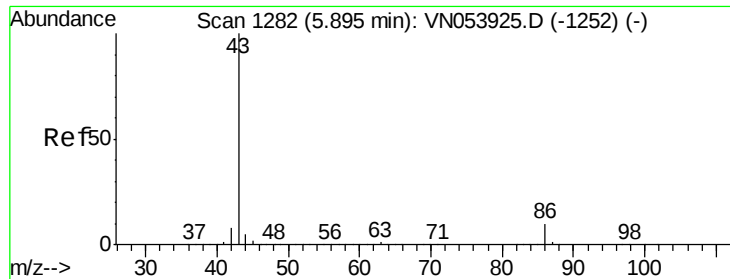
#22
Diisopropyl ether
Concen: 19.424 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 45 Resp: 432264
Ion Ratio Lower Upper
45 100
43 60.5 46.2 69.4
87 24.8 23.4 35.0
59 10.8 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 92.165 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

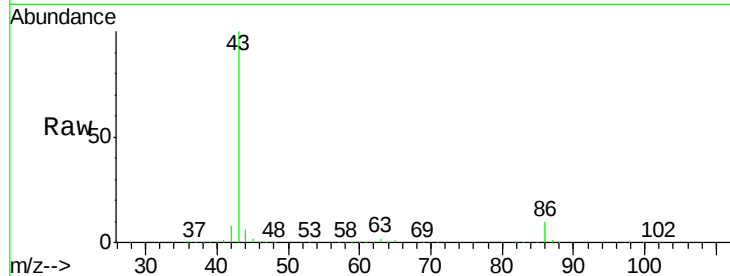
VN0226WBS01

Tot Ion: 43 Resp: 1475449

Ion Ratio Lower Upper

43 100

86 9.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

400000

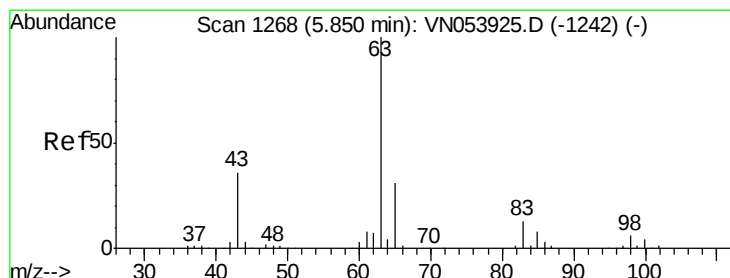
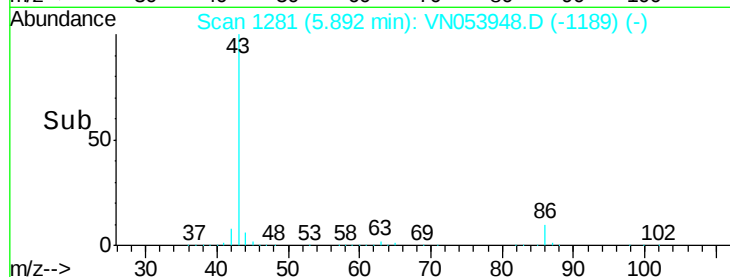
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.942 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

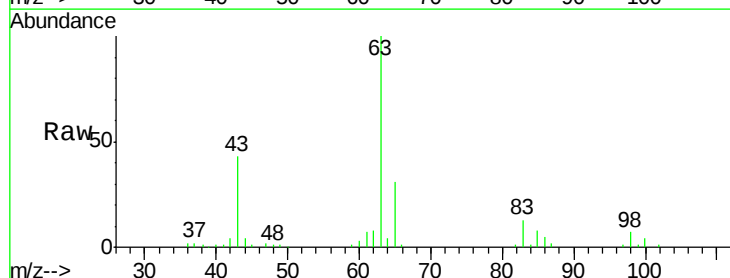
Tgt Ion: 63 Resp: 258492

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

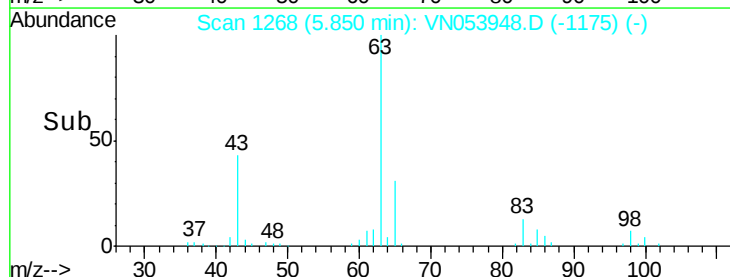
60000

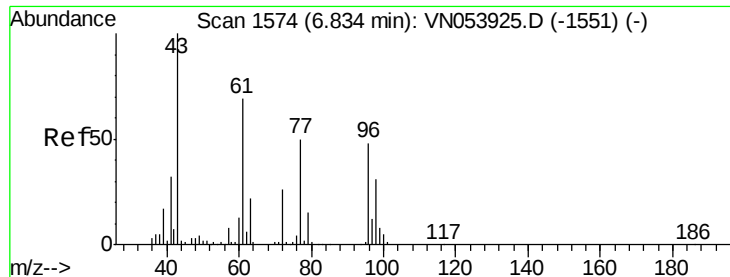
40000

20000

0

Time-->

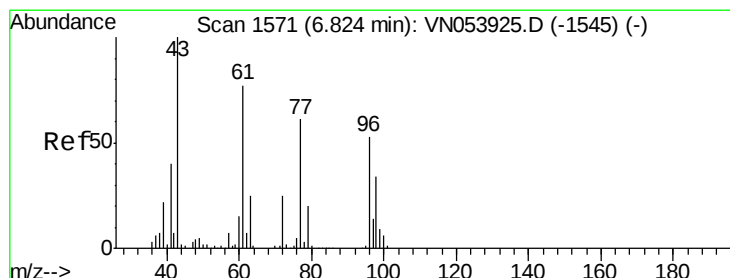
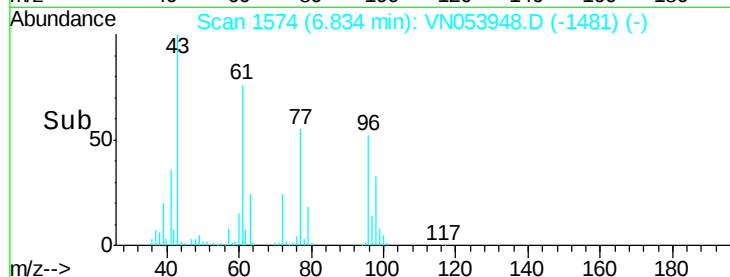
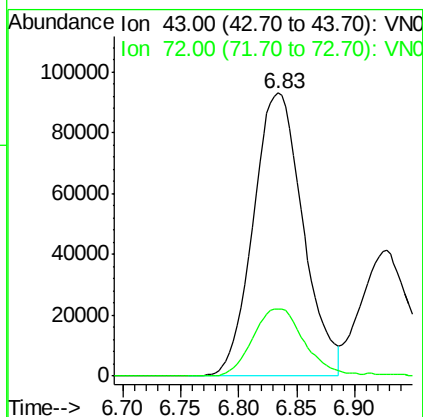
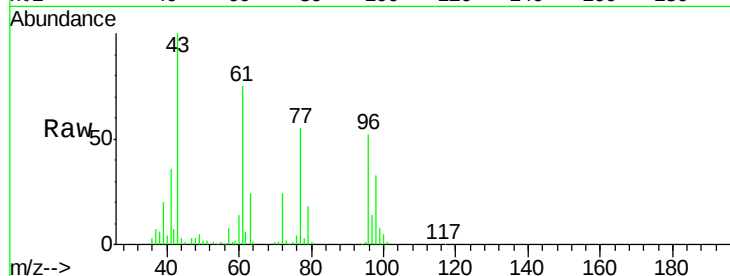




#25
 2-Butanone
 Concen: 90.294 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

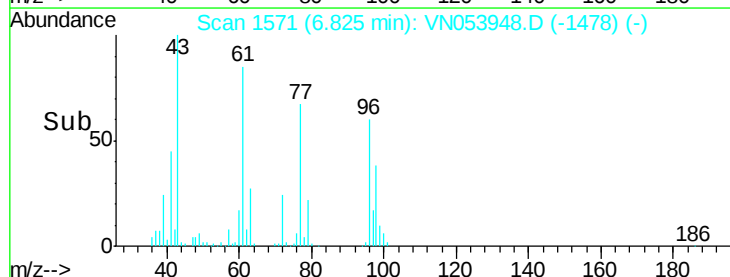
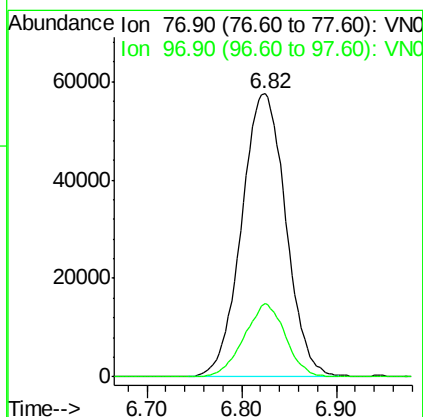
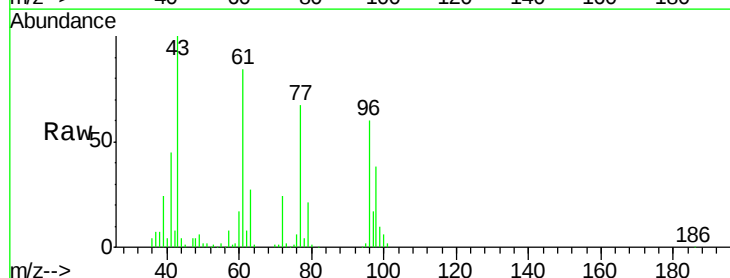
Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBS01

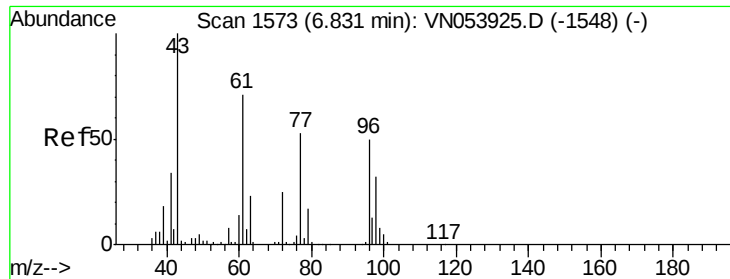
Tot Ion: 43 Resp: 276886
 Ion Ratio Lower Upper
 43 100
 72 23.9 22.1 33.1



#26
 2,2-Dichloropropane
 Concen: 19.253 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 77 Resp: 186670
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.760 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

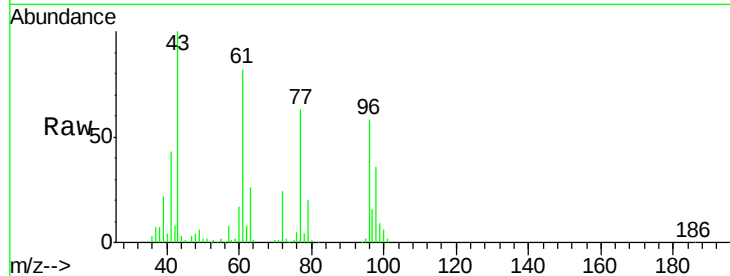
Tot Ion: 96 Resp: 148510

Ion Ratio Lower Upper

96 100

61 148.3 0.0 275.6

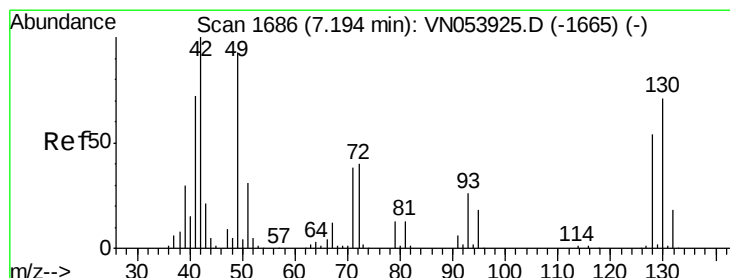
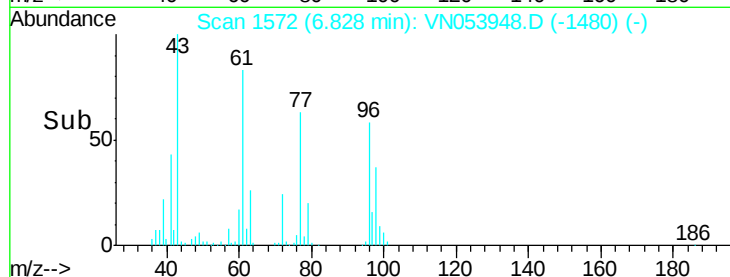
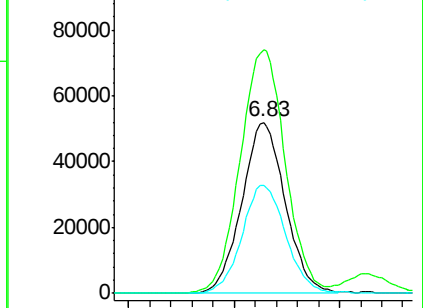
98 64.1 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.118 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

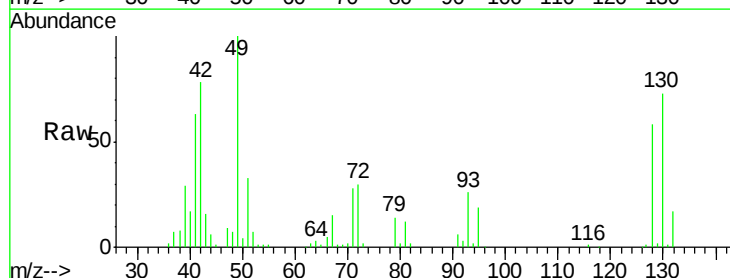
Tgt Ion: 49 Resp: 131915

Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.6

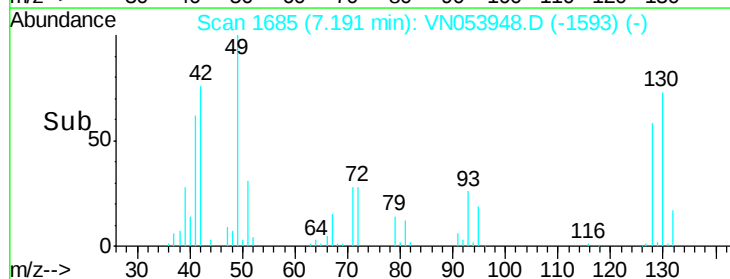
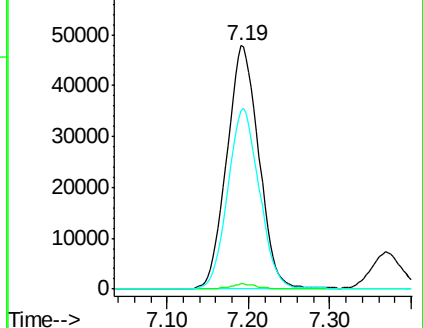
130 72.6 72.9 109.3#

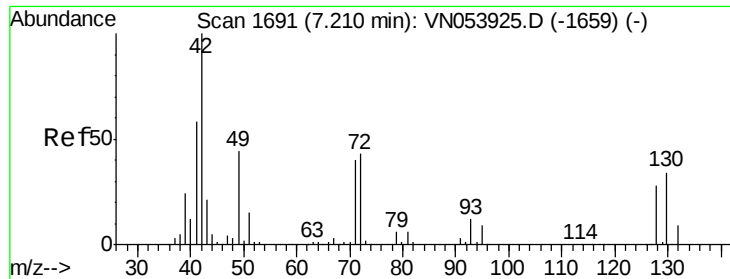


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

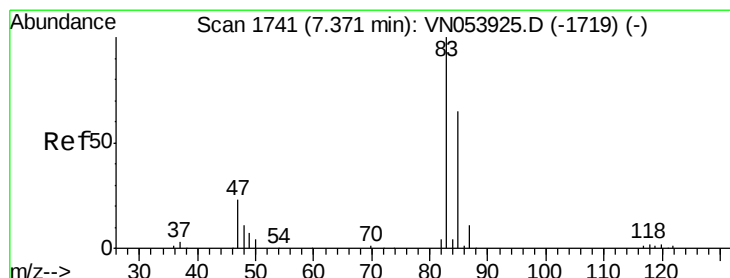
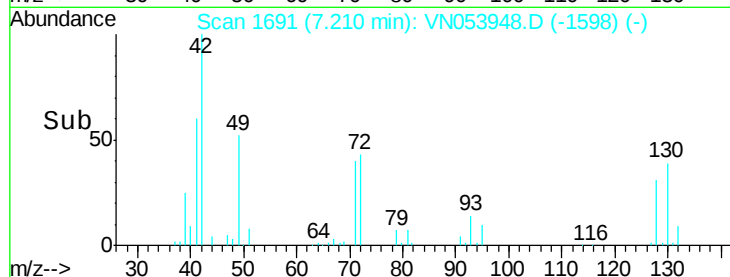
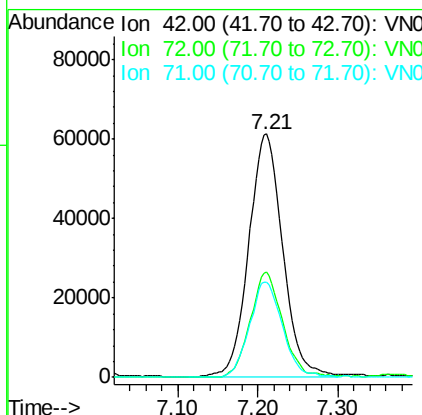
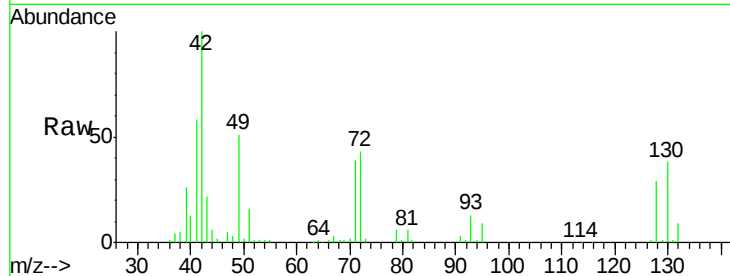




#29
Tetrahydrofuran
Concen: 86.475 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

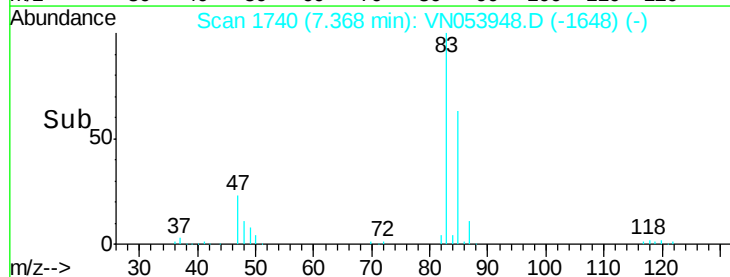
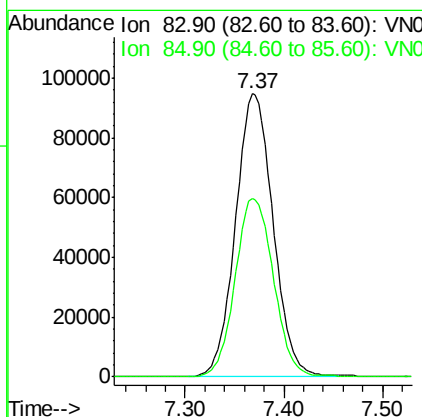
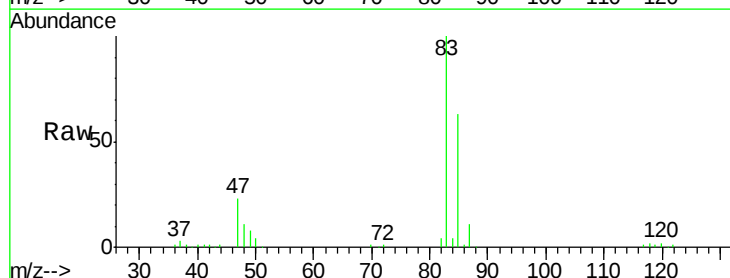
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

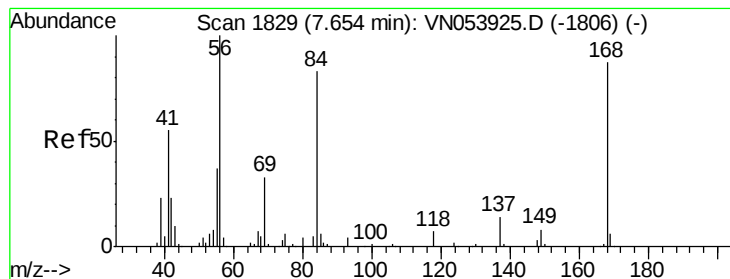
Tot Ion: 42 Resp: 176589
Ion Ratio Lower Upper
42 100
72 41.5 36.9 55.3
71 38.4 34.6 52.0



#30
Chloroform
Concen: 18.911 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 83 Resp: 250247
Ion Ratio Lower Upper
83 100
85 63.3 52.6 78.8





#31

Cyclohexane

Concen: 19.551 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

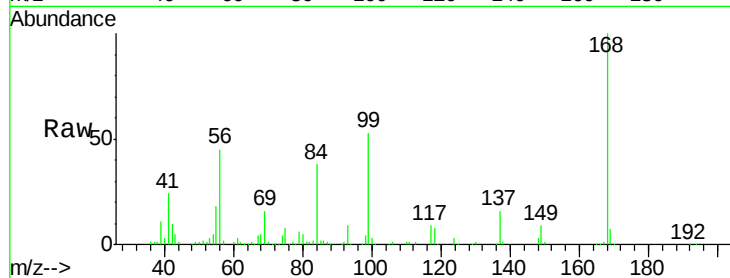
Tot Ion: 56 Resp: 247282

Ion Ratio Lower Upper

56 100

69 34.7 26.0 39.0

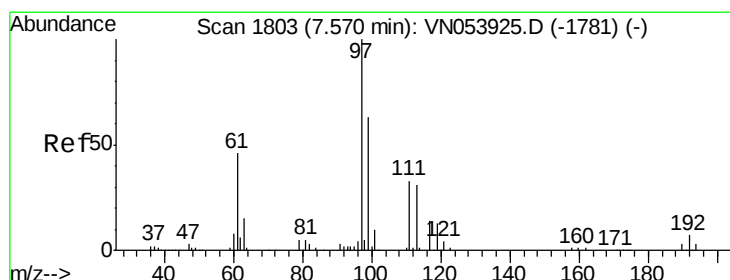
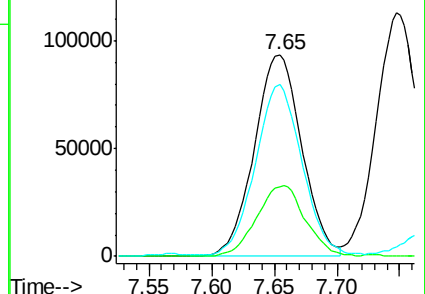
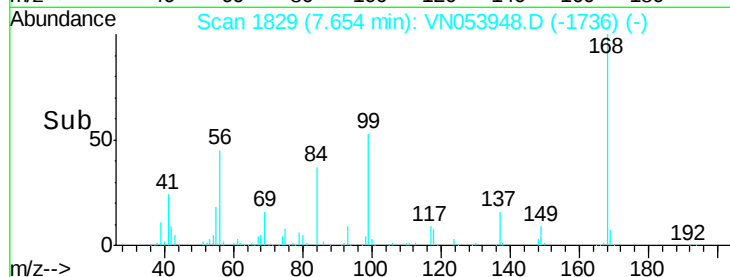
84 84.1 69.1 103.7



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: 18.886 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

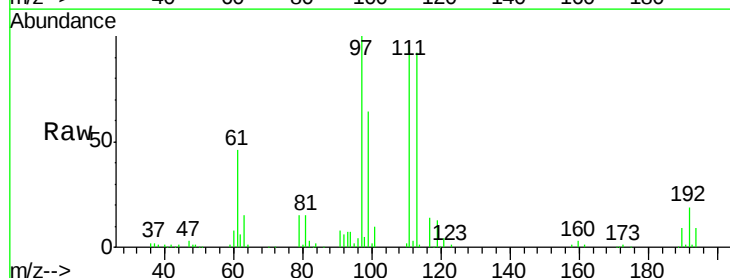
Tgt Ion: 97 Resp: 206057

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.8

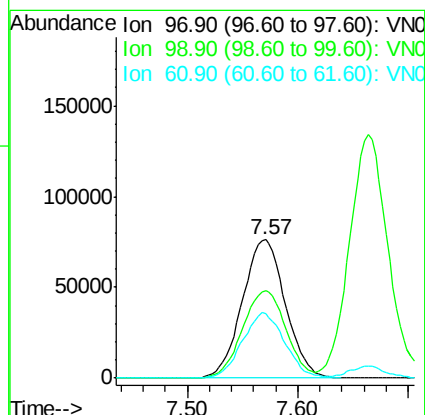
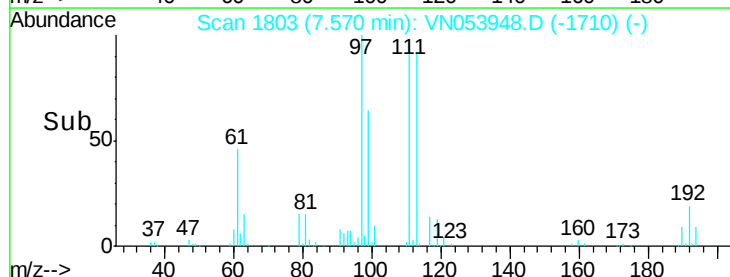
61 46.5 33.2 49.8

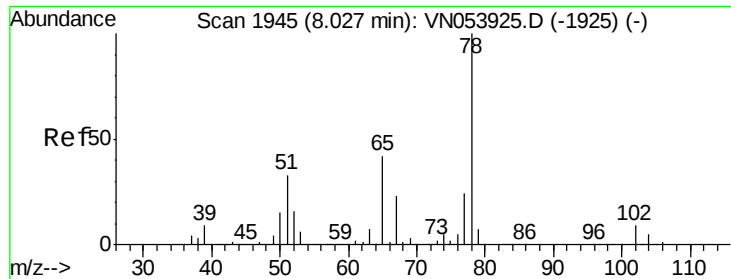


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

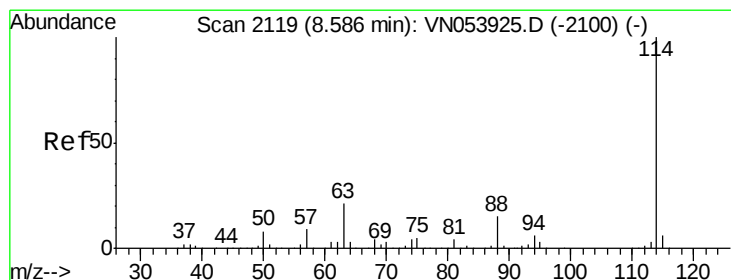
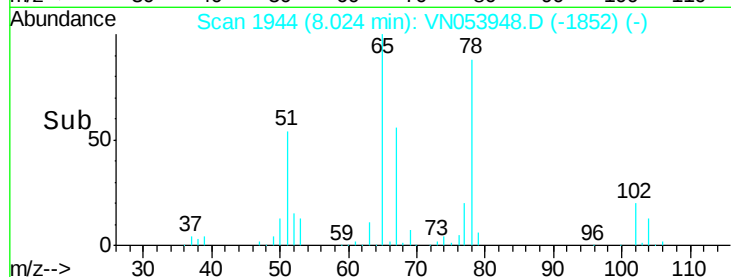
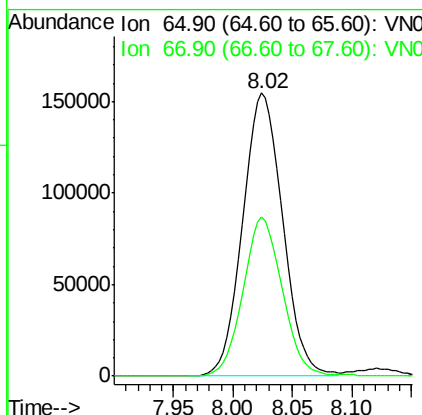
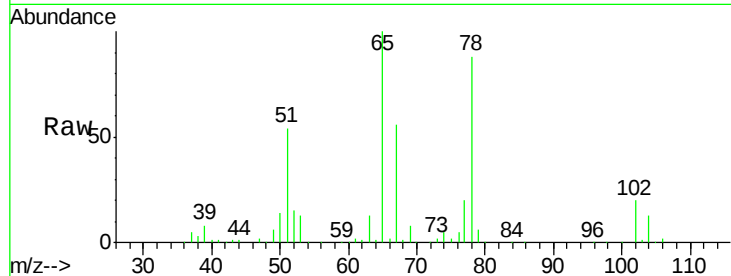




#33
 1,2-Dichloroethane-d4
 Concen: 46.149 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

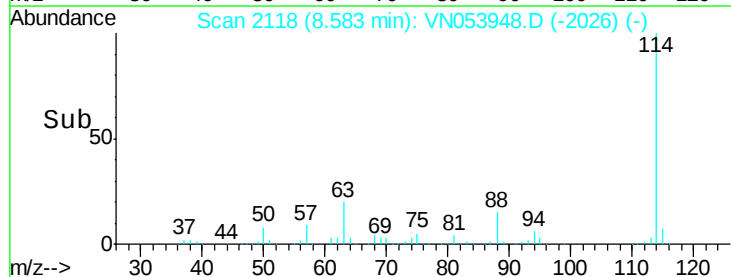
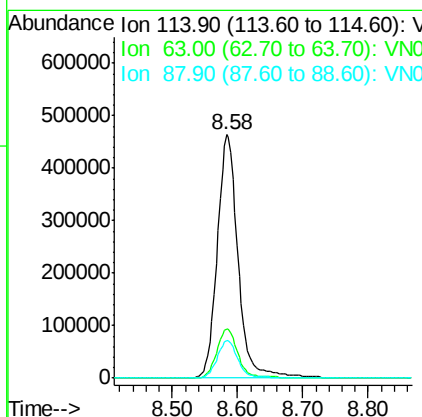
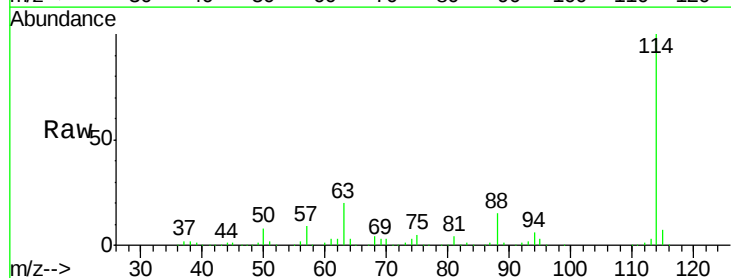
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

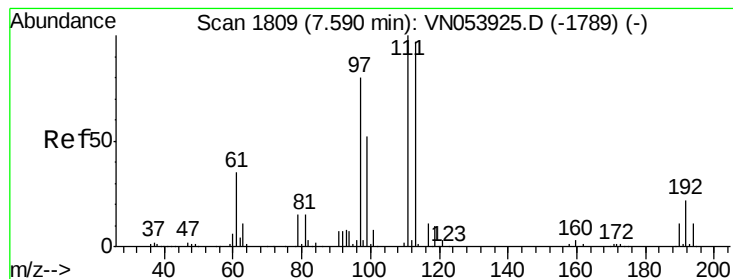
Tot Ion: 65 Resp: 360417
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 114 Resp: 1028941
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 37.4
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.301 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

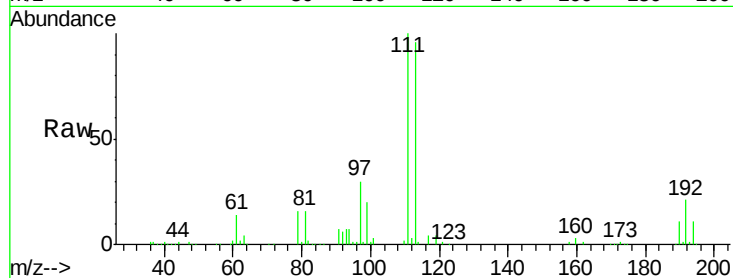
Tot Ion:113 Resp: 321382

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

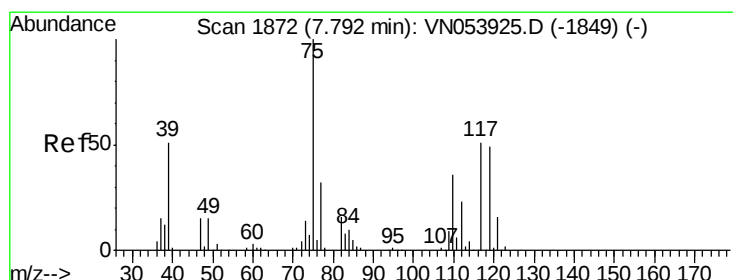
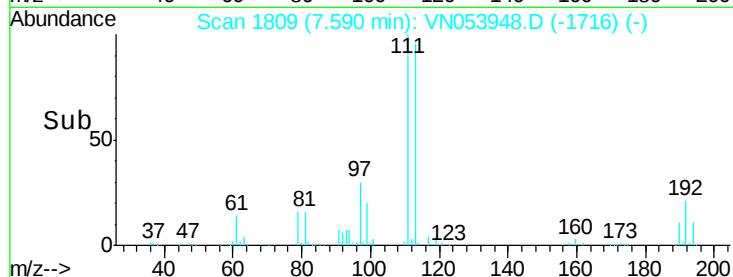
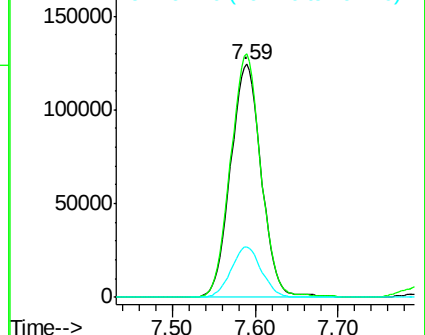
192 21.3 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.699 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

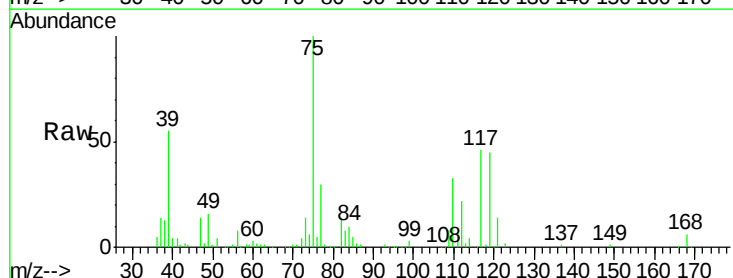
Tgt Ion: 75 Resp: 188497

Ion Ratio Lower Upper

75 100

110 35.7 19.0 57.0

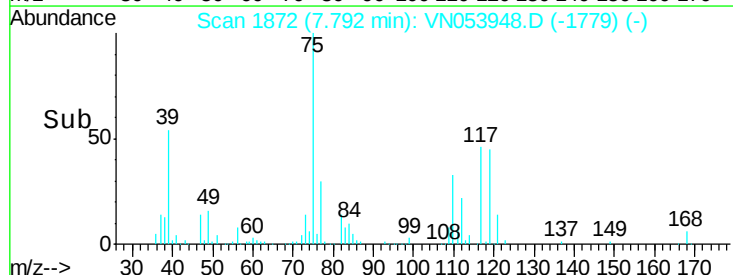
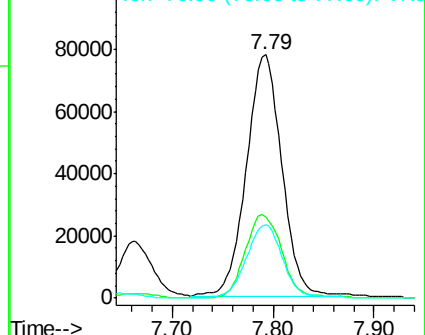
77 31.5 25.4 38.0

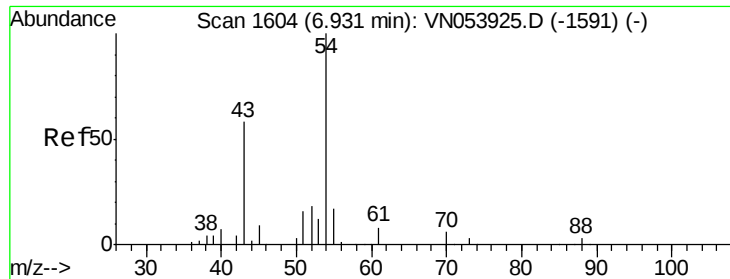


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

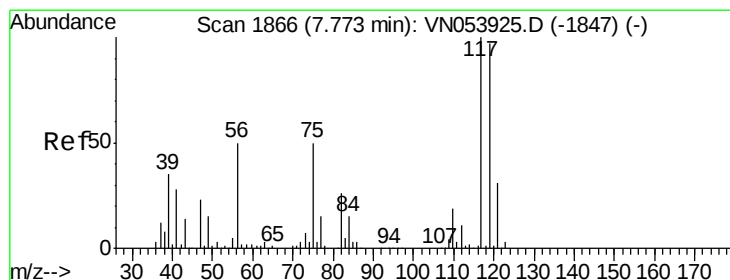
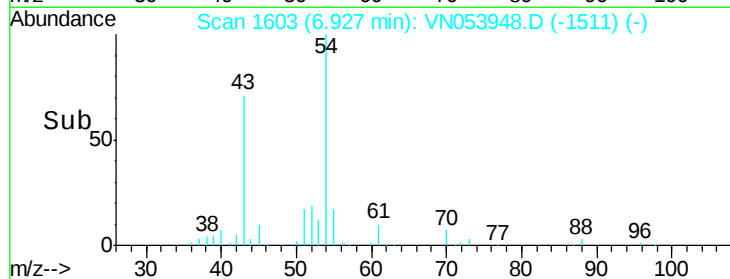
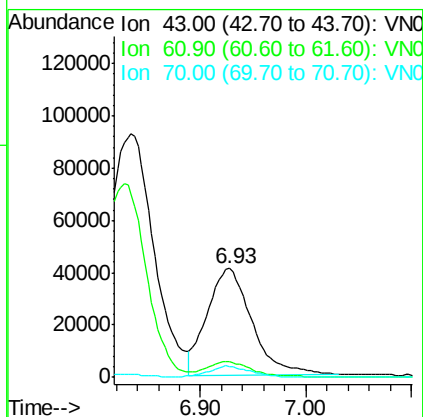
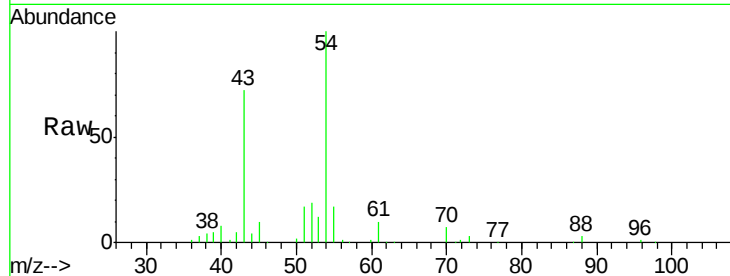




#37
Ethyl Acetate
Concen: 17.600 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

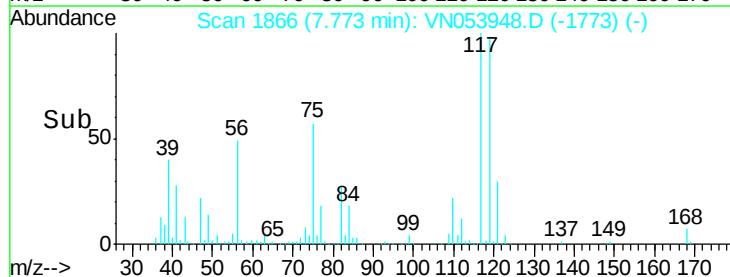
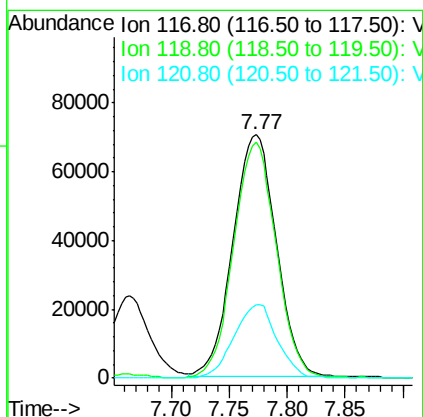
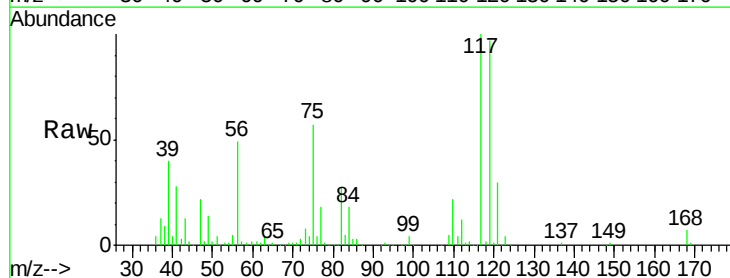
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

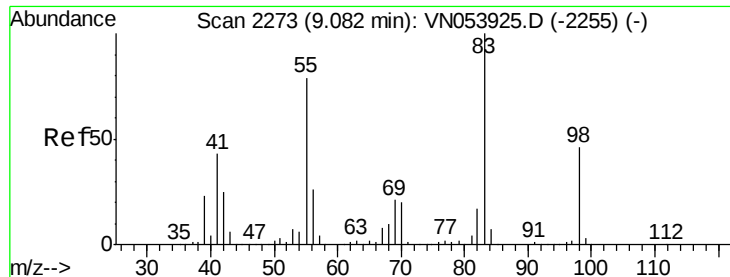
Tot Ion: 43 Resp: 120252
Ion Ratio Lower Upper
43 100
61 14.3 12.0 18.0
70 10.1 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.409 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 117 Resp: 183204
Ion Ratio Lower Upper
117 100
119 97.1 76.2 114.2
121 30.3 24.6 36.8

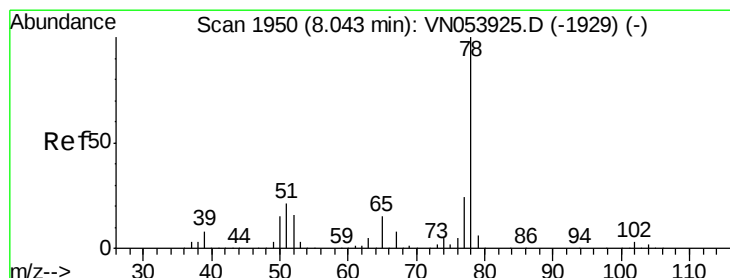
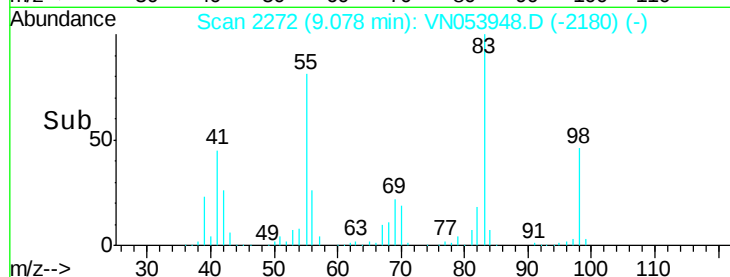
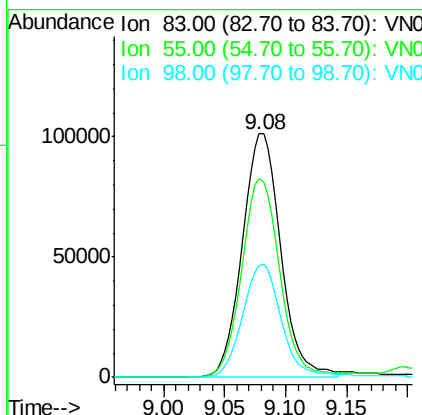
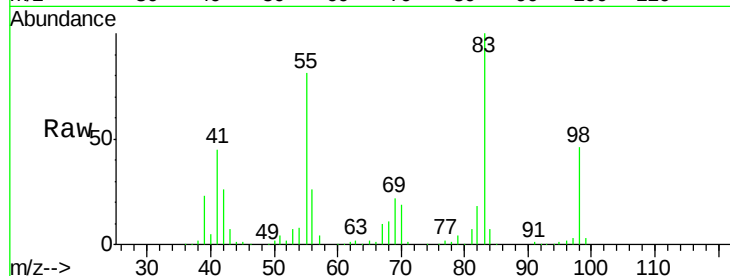




#39
Methvlcvclohexane
Concen: 19.118 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

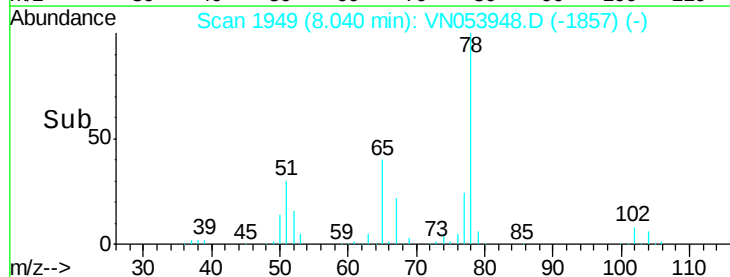
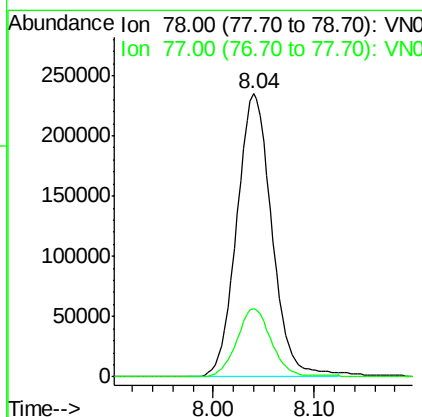
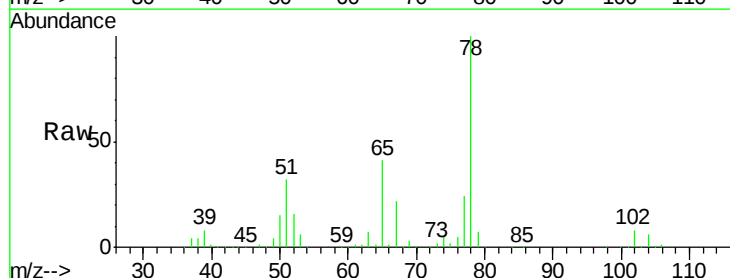
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

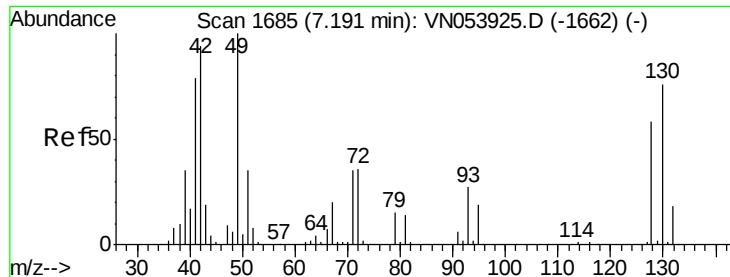
Tot Ion: 83 Resp: 220497
Ion Ratio Lower Upper
83 100
55 81.5 58.2 87.4
98 46.1 37.2 55.8



#40
Benzene
Concen: 19.272 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 78 Resp: 566519
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 16.132 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

Tot Ion: 41 Resp: 70972

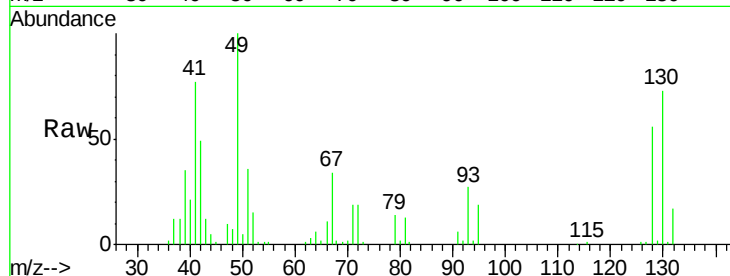
Ion Ratio Lower Upper

41 100

39 44.3 0.0 0.0#

67 72.5 0.0 0.0#

52 30.3 0.0 0.0#

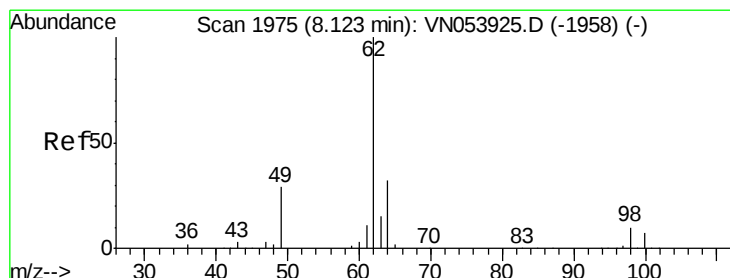
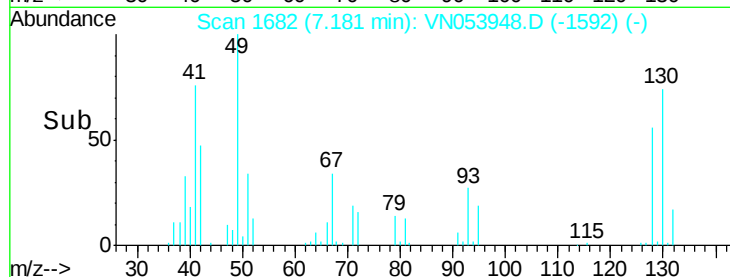
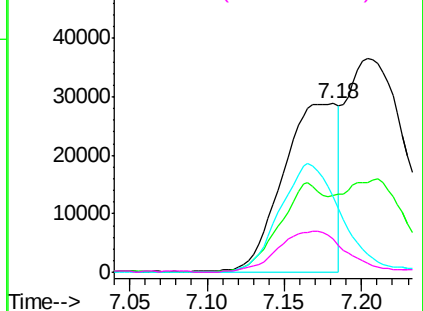


Abundance Ion 41.00 (40.70 to 41.70): VNC

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: 19.453 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053948.D

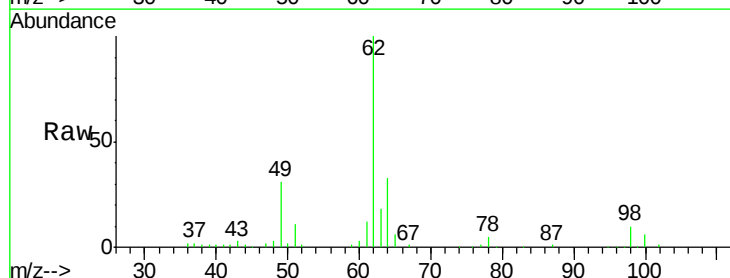
Acq: 26 Feb 2019 12:10

Tgt Ion: 62 Resp: 177033

Ion Ratio Lower Upper

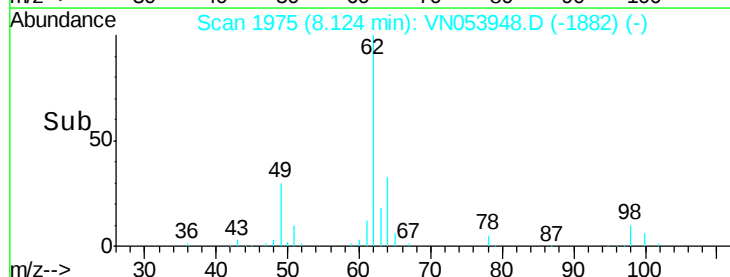
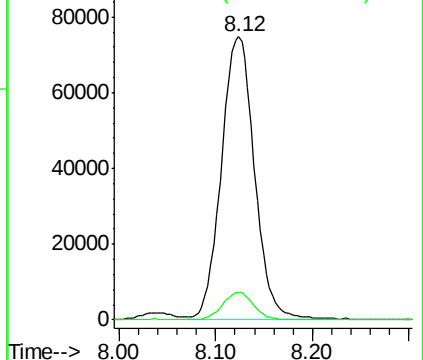
62 100

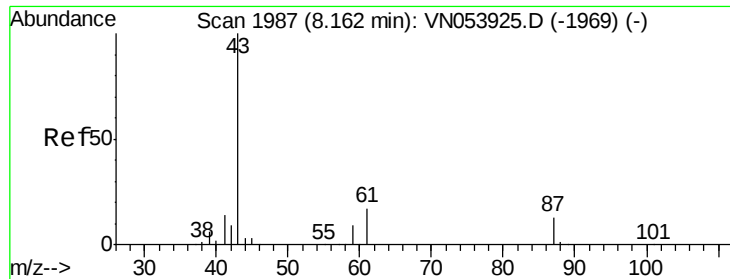
98 9.1 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 17.833 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

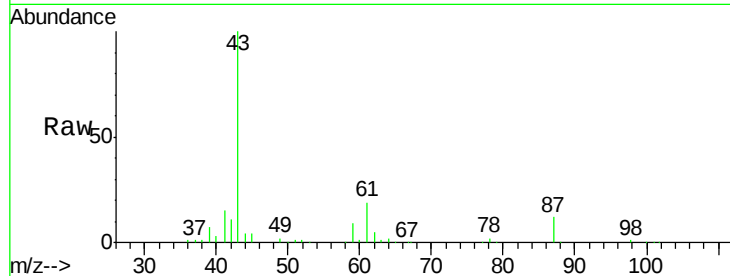
Tot Ion: 43 Resp: 205725

Ion Ratio Lower Upper

43 100

61 17.4 17.4 26.0

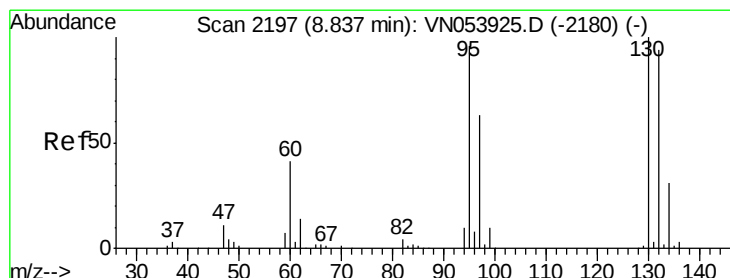
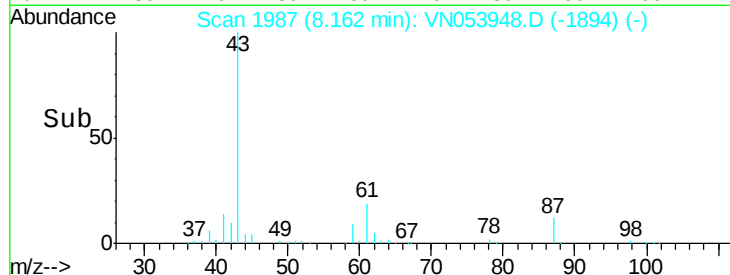
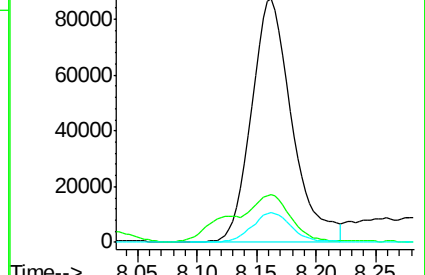
87 12.0 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053948.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053948.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053948.D (-1894) (-)



#44

Trichloroethene

Concen: 19.381 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053948.D

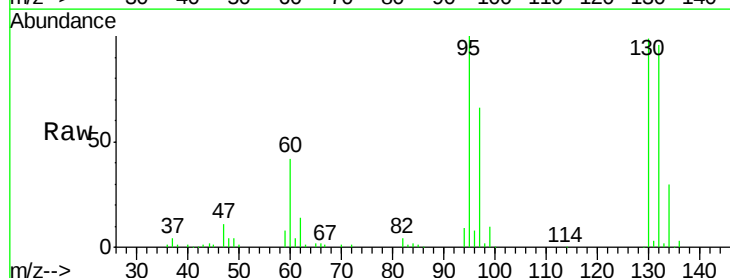
Acq: 26 Feb 2019 12:10

Tgt Ion:130 Resp: 151038

Ion Ratio Lower Upper

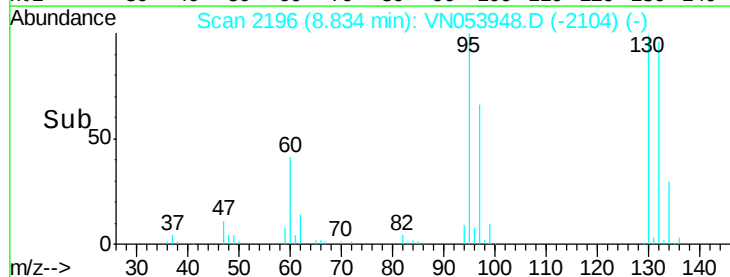
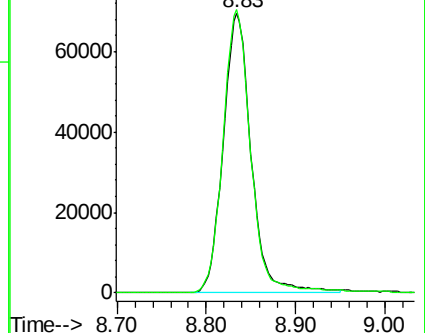
130 100

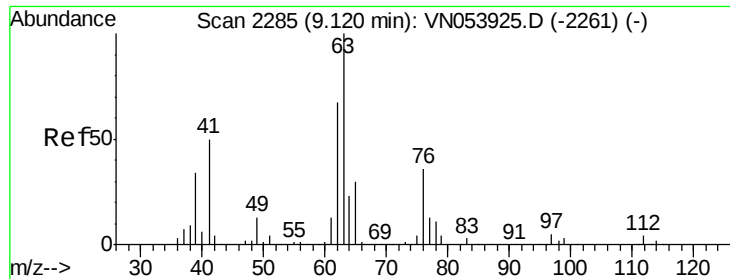
95 101.1 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053948.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053948.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 19.467 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

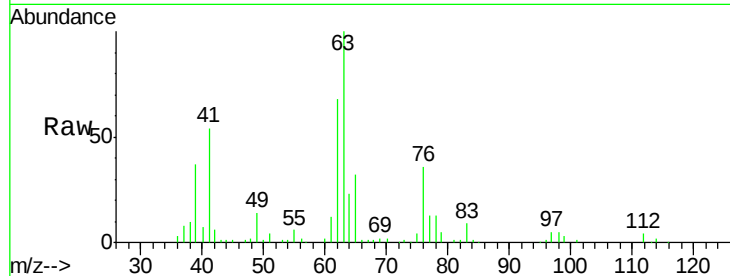
VN0226WBS01

Tot Ion: 63 Resp: 154387

Ion Ratio Lower Upper

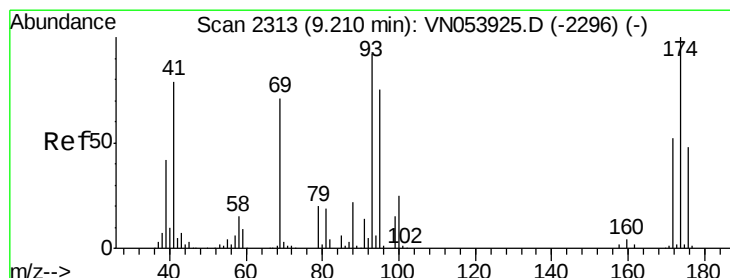
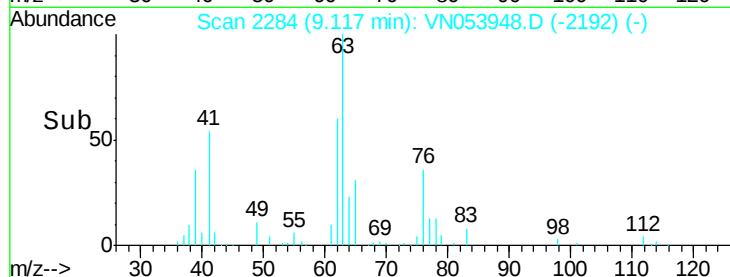
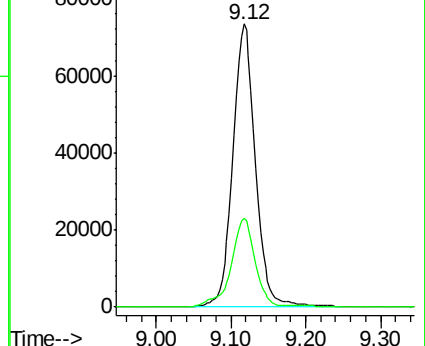
63 100

65 31.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.040 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

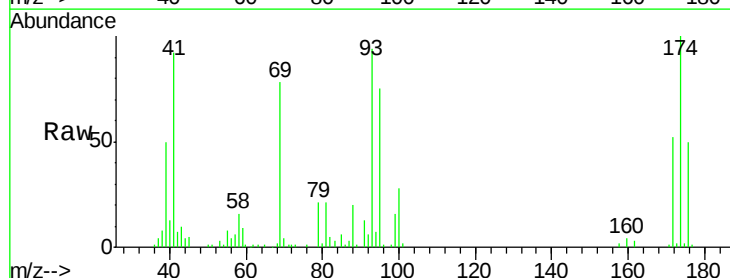
Tgt Ion: 93 Resp: 87664

Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

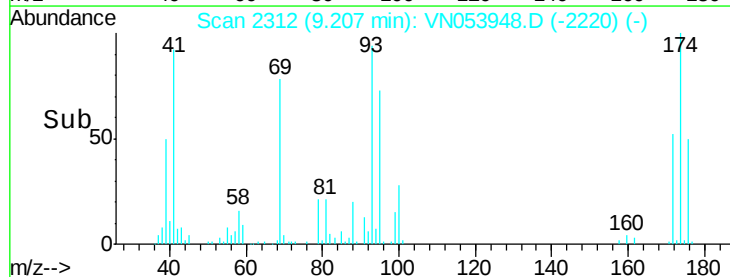
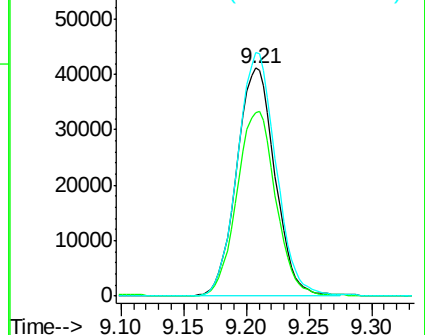
174 107.5 96.2 144.4

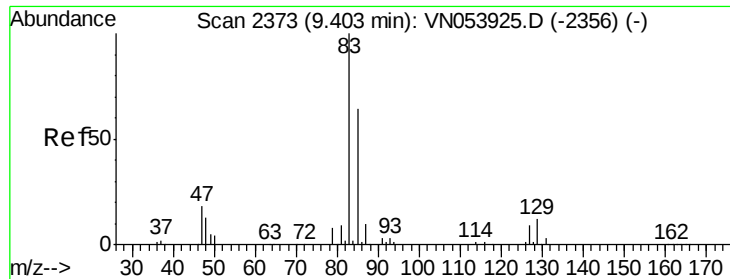


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.065 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

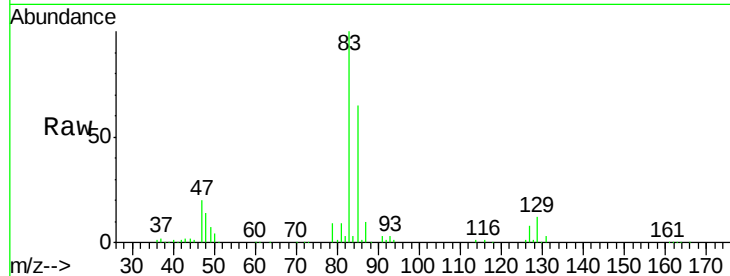
Tot Ion: 83 Resp: 184992

Ion Ratio Lower Upper

83 100

85 64.8 51.8 77.6

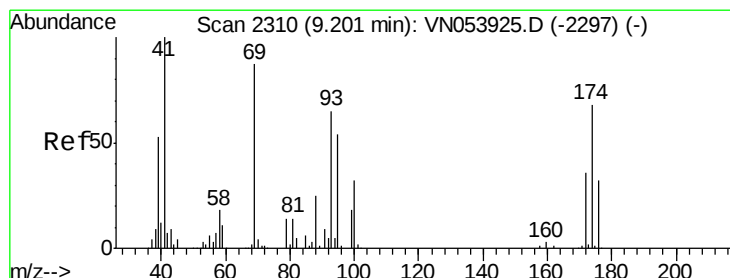
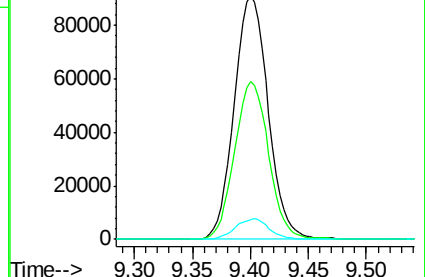
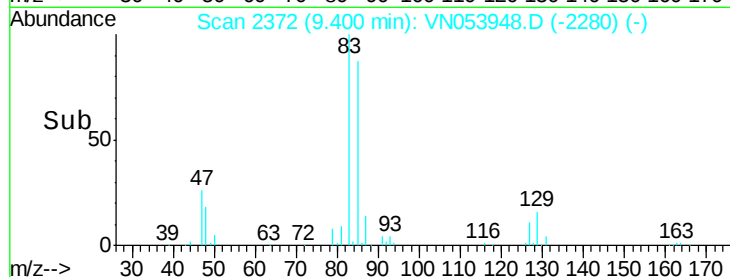
127 8.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.150 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

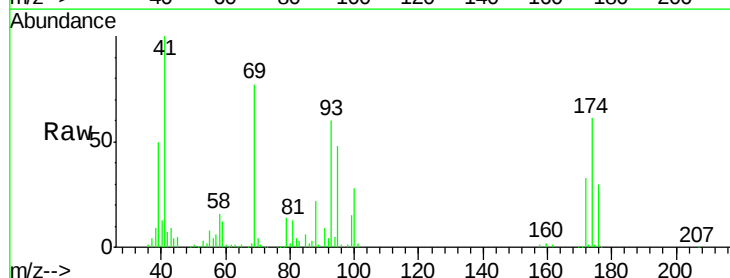
Tgt Ion: 41 Resp: 96308

Ion Ratio Lower Upper

41 100

69 87.9 74.8 112.2

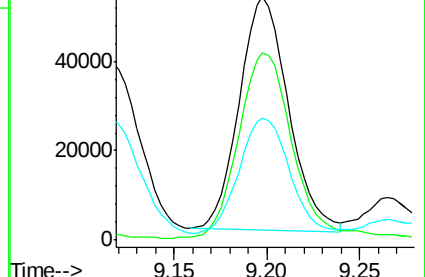
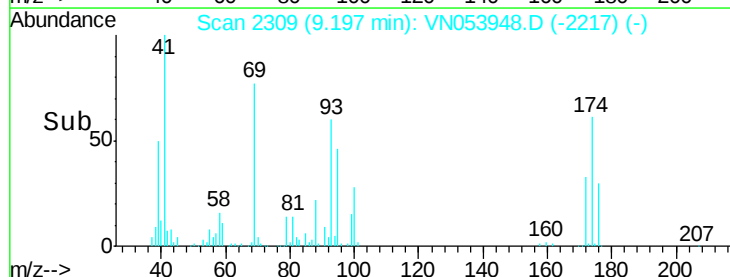
39 58.1 39.0 58.6

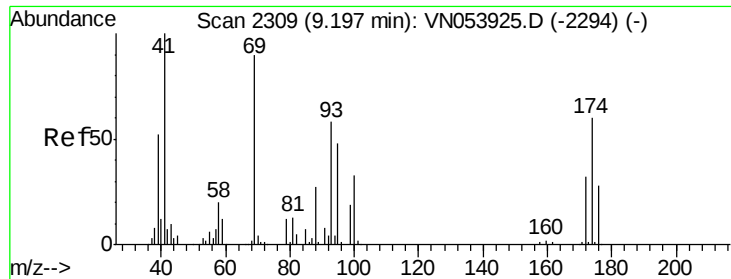


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

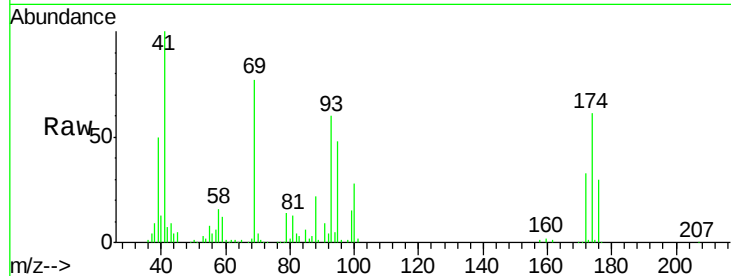




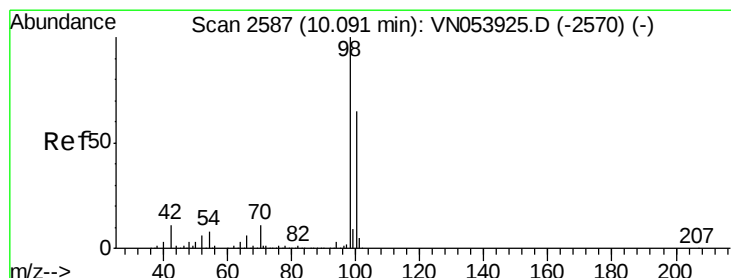
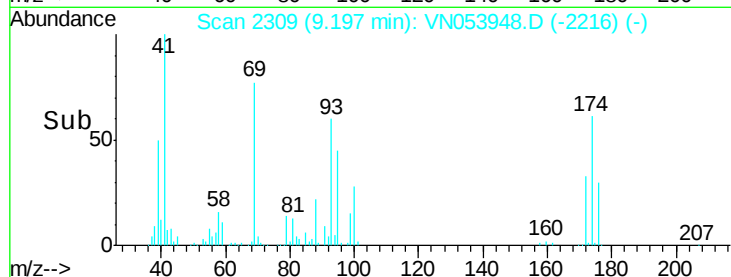
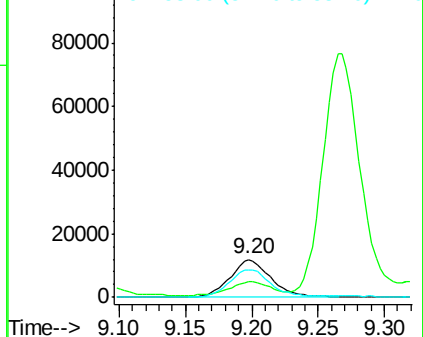
#49
1,4-Dioxane
Concen: 350.802 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tot Ion: 88 Resp: 25212
Ion Ratio Lower Upper
88 100
43 37.0 21.2 31.8#
58 75.8 54.2 81.2

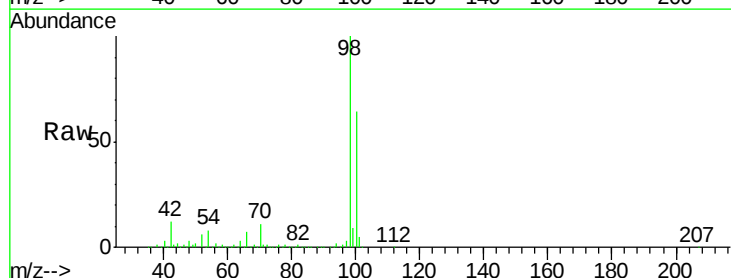


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

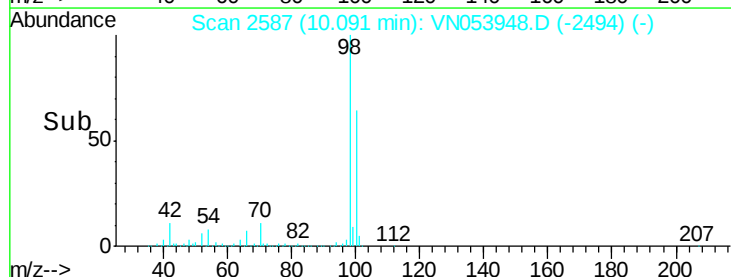
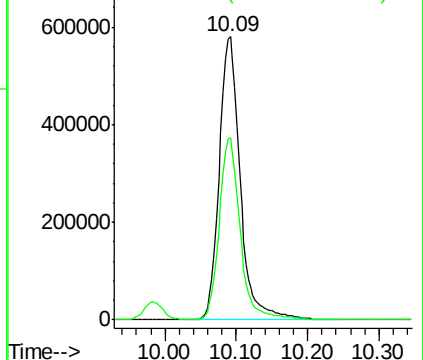


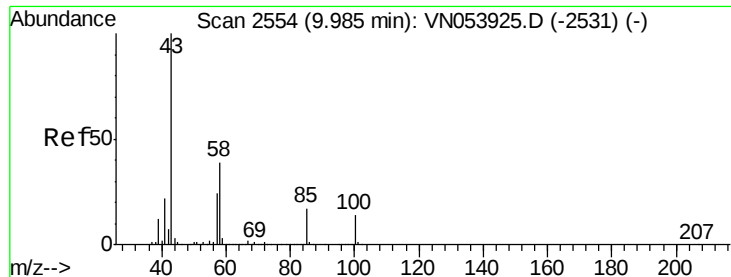
#50
Toluene-d8
Concen: 47.870 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 98 Resp: 1185697
Ion Ratio Lower Upper
98 100
100 64.3 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: 92.830 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

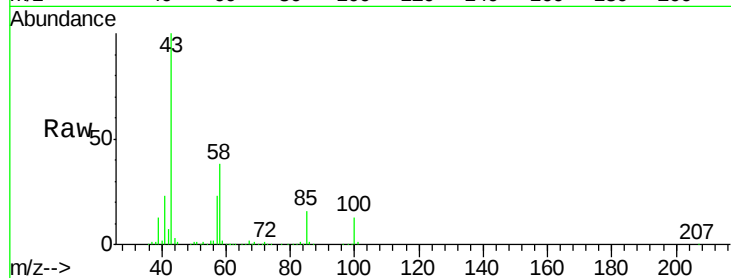
VN0226WBS01

Tot Ion: 43 Resp: 550297

Ion Ratio Lower Upper

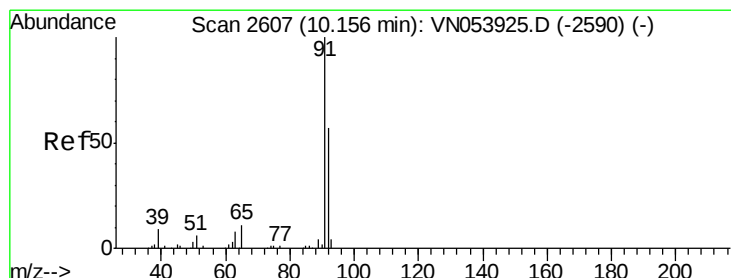
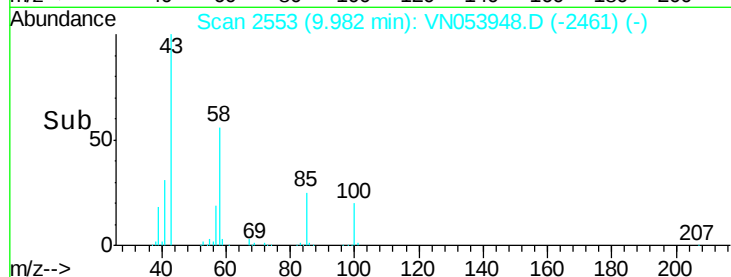
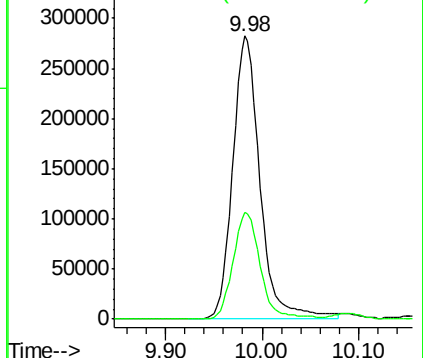
43 100

58 37.9 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.640 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053948.D

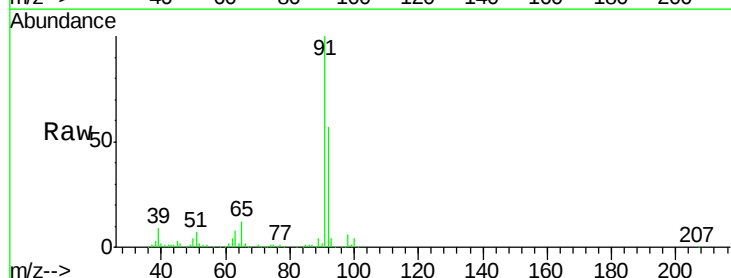
Acq: 26 Feb 2019 12:10

Tgt Ion: 92 Resp: 339952

Ion Ratio Lower Upper

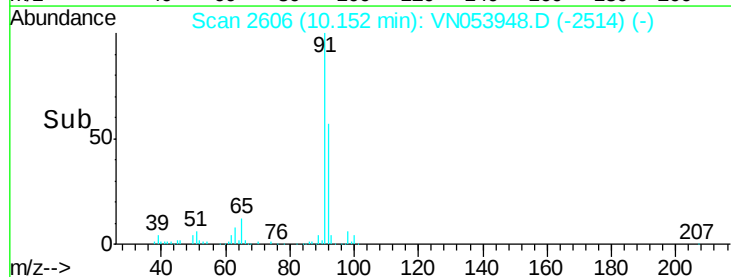
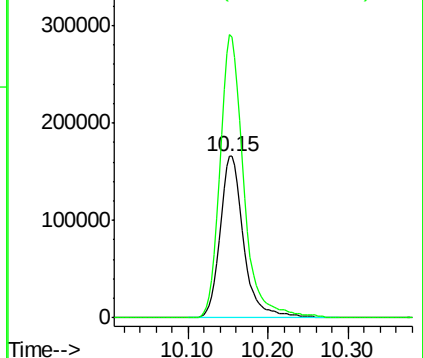
92 100

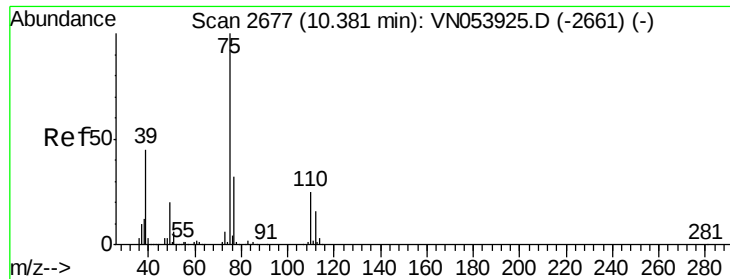
91 175.6 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.050 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

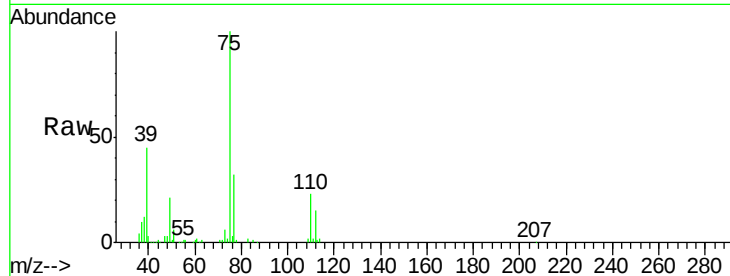
VN0226WBS01

Tot Ion: 75 Resp: 179849

Ion Ratio Lower Upper

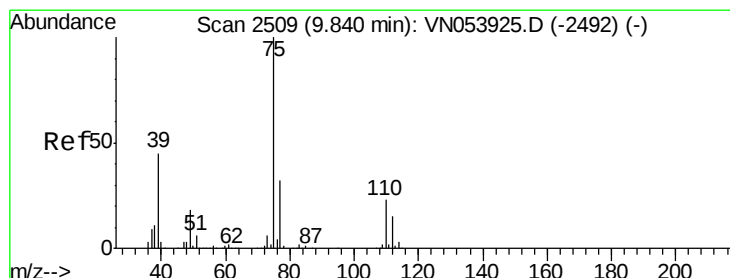
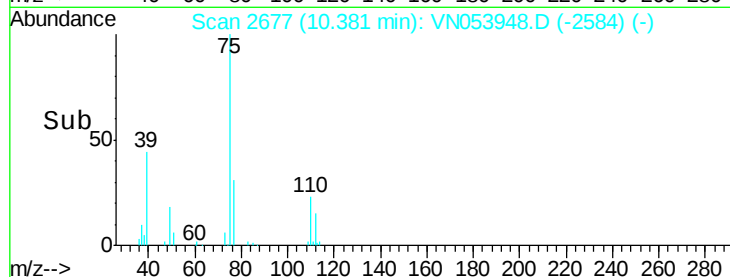
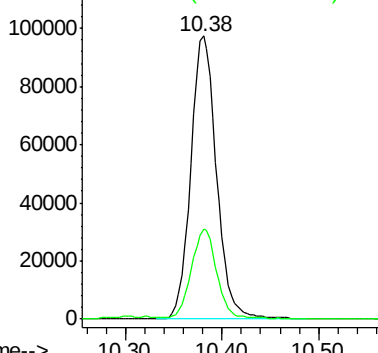
75 100

77 31.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.303 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

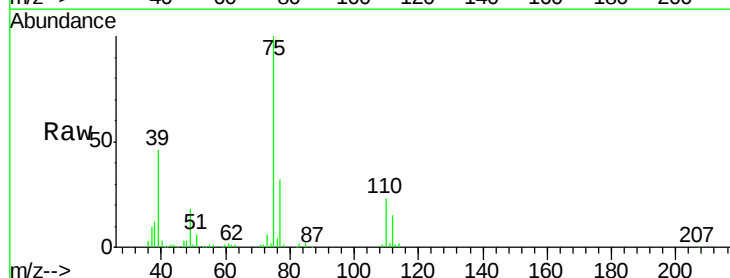
Tgt Ion: 75 Resp: 214846

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

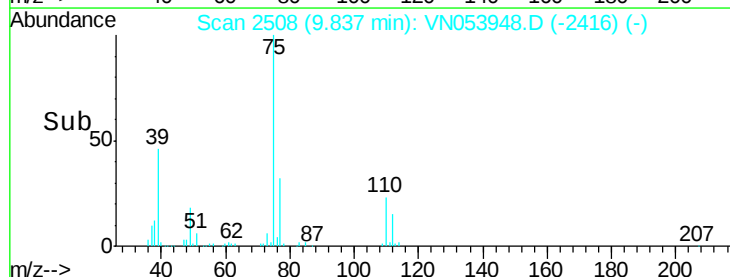
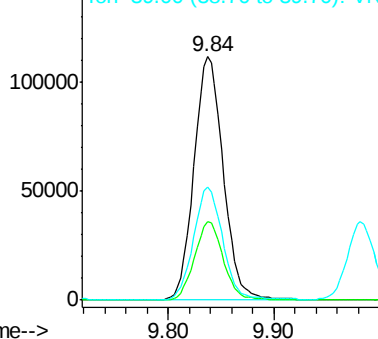
39 46.1 31.4 47.0

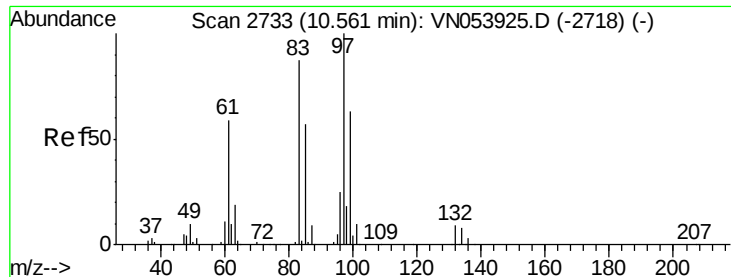


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



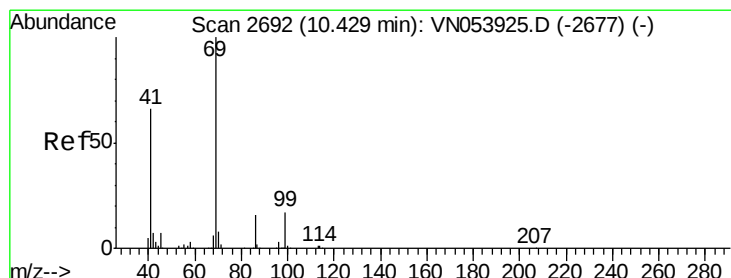
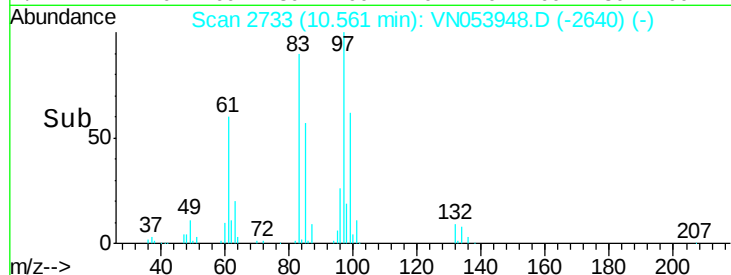
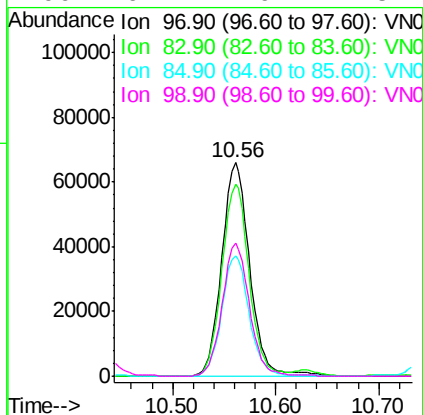
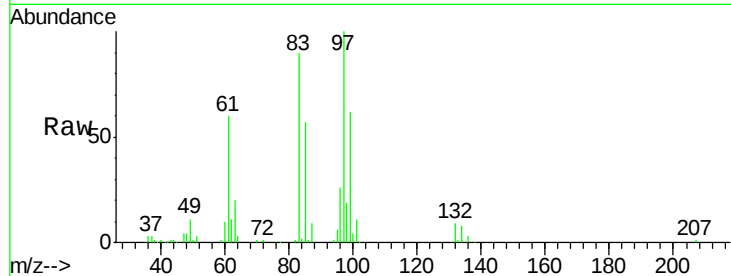


#55
 1,1,2-Trichloroethane
 Concen: 19.284 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tot Ion: 97 Resp: 124656

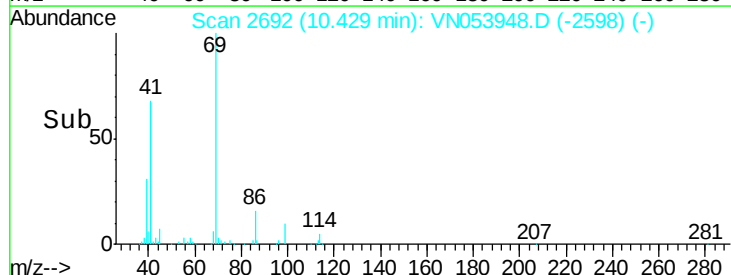
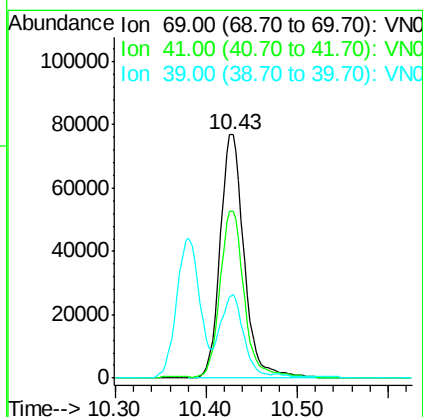
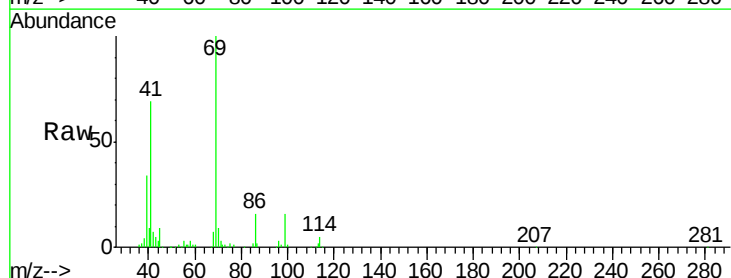
Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.5	104.3
85	56.6	45.9	68.9
99	62.1	49.1	73.7

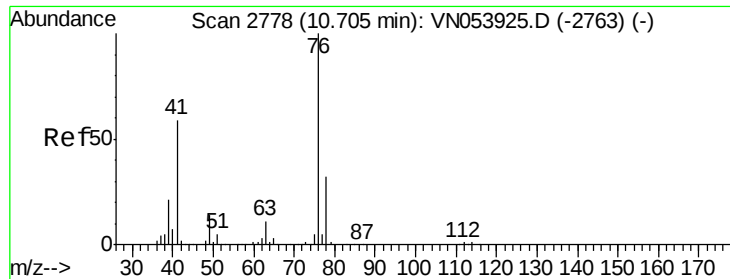


#56
 Ethyl methacrylate
 Concen: 17.960 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 69 Resp: 141183

Ion	Ratio	Lower	Upper
69	100		
41	68.5	47.5	71.3
39	31.1	23.4	35.0

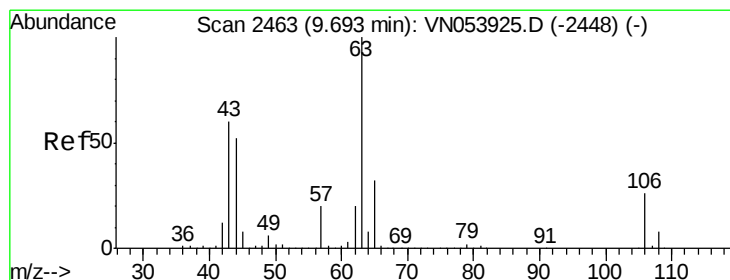
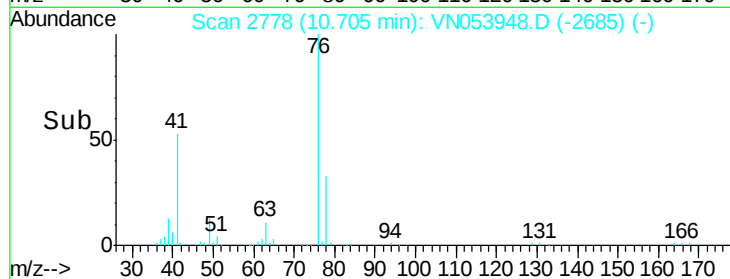
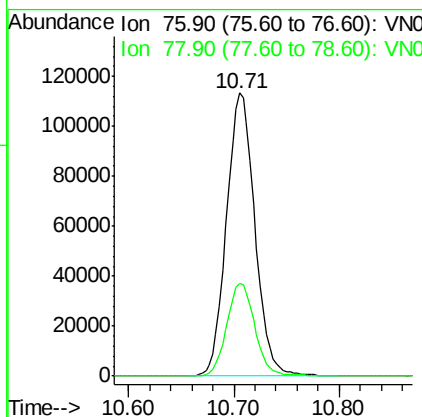
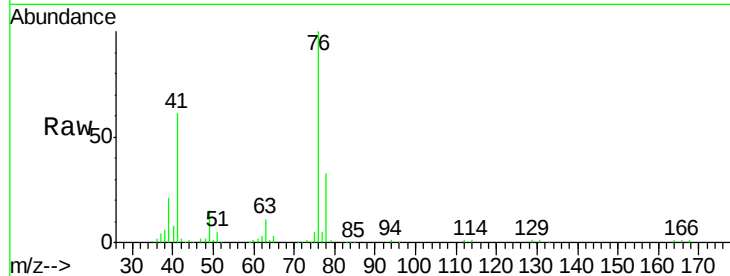




#57
 1,3-Dichloropropane
 Concen: 19.282 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

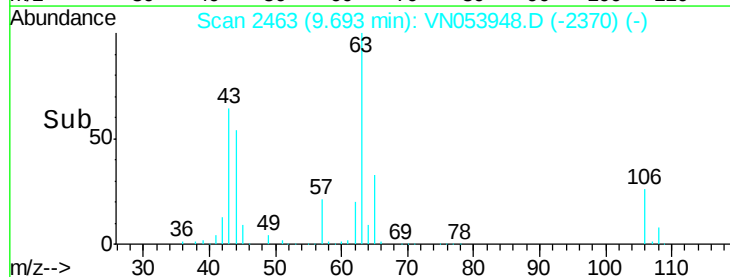
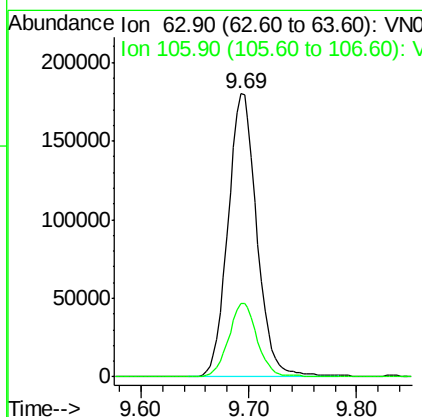
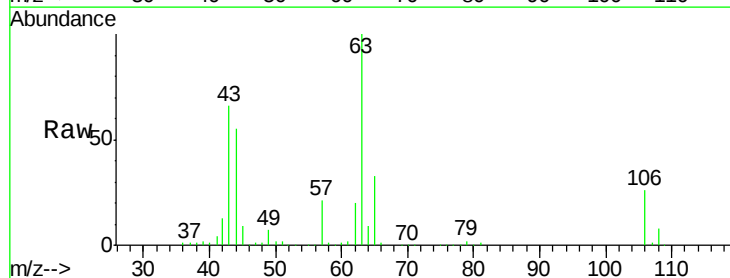
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

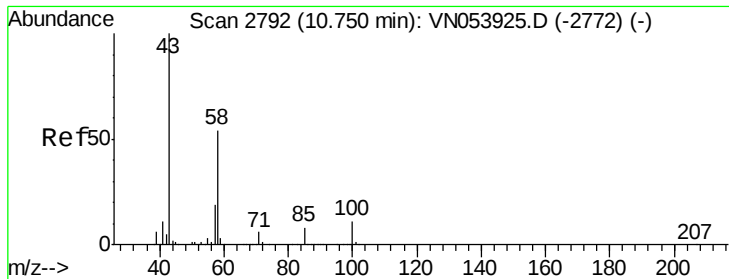
Tot Ion: 76 Resp: 210608
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.039 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 63 Resp: 335639
 Ion Ratio Lower Upper
 63 100
 106 25.7 22.2 33.2

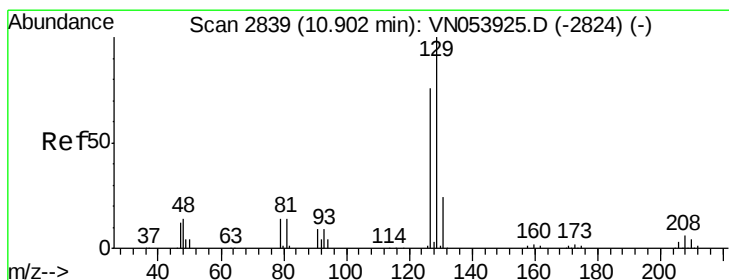
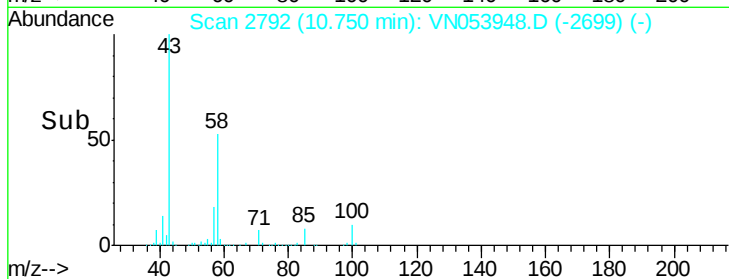
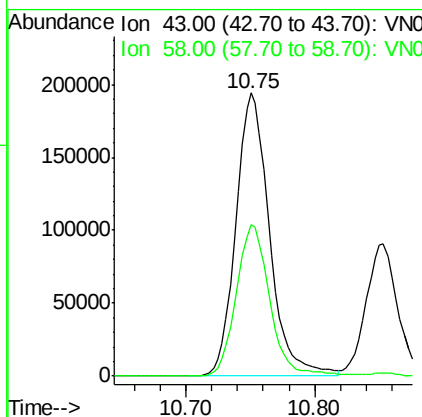
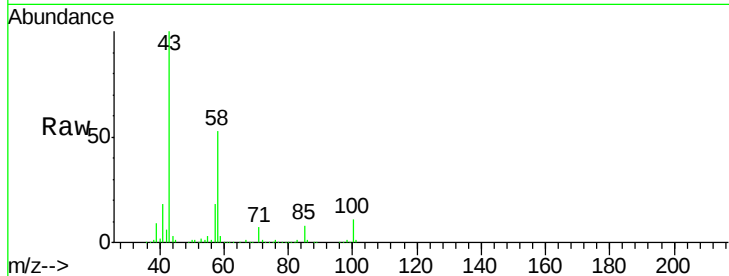




#59
2-Hexanone
Concen: 90.822 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

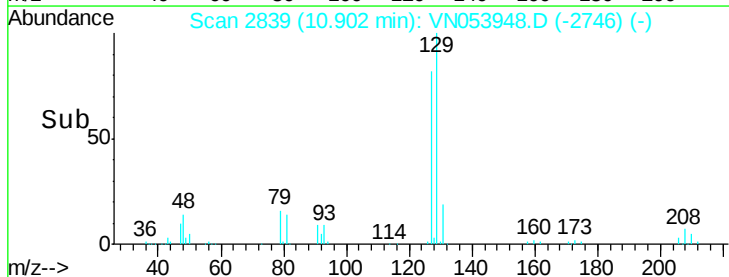
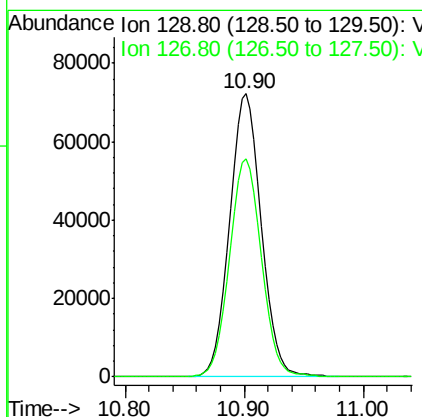
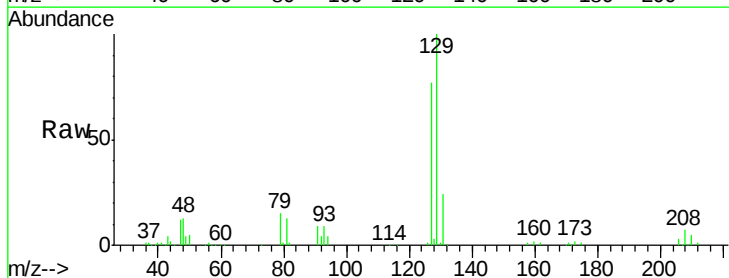
Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

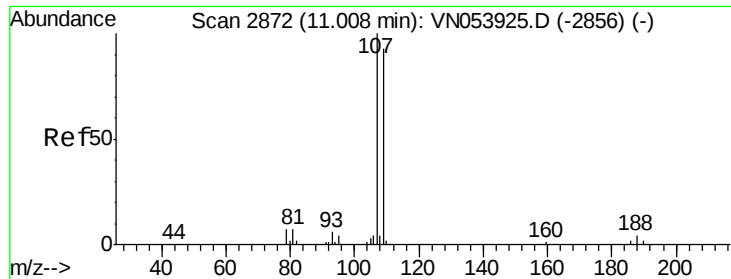
Tot Ion: 43 Resp: 350164
Ion Ratio Lower Upper
43 100
58 53.7 29.1 87.4



#60
Dibromochloromethane
Concen: 18.556 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 129 Resp: 133309
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3

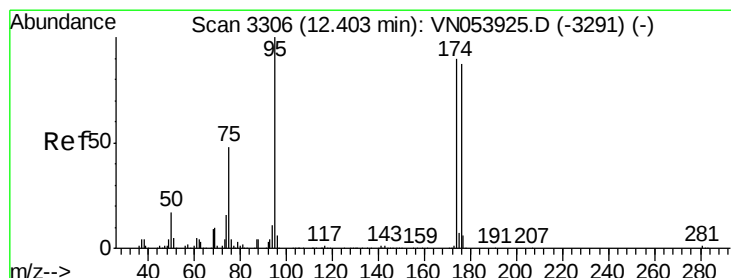
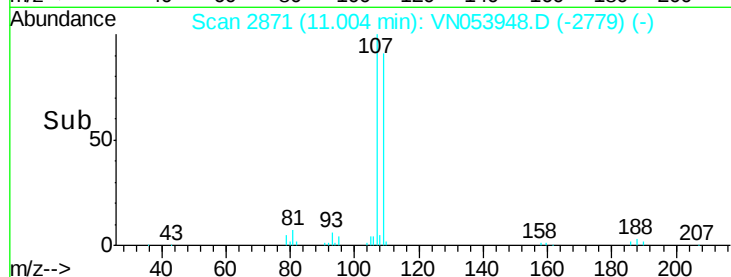
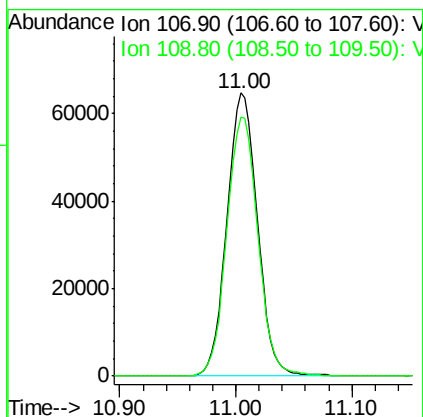
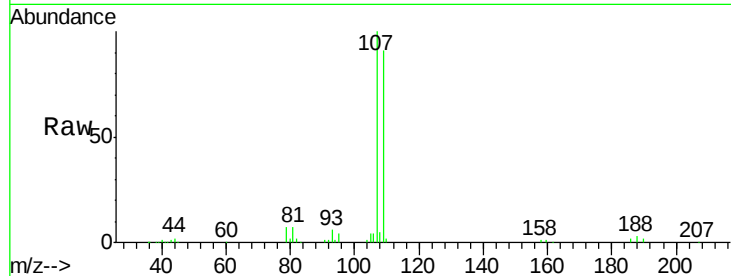




#61
 1,2-Dibromoethane
 Concen: 18.840 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

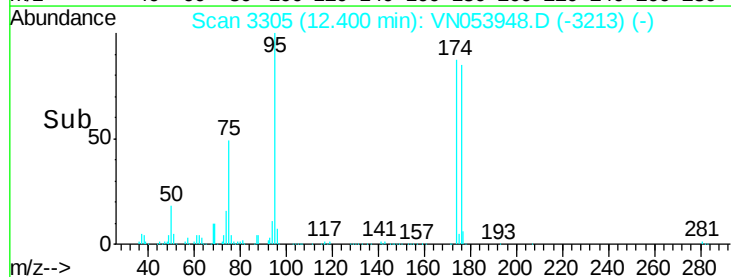
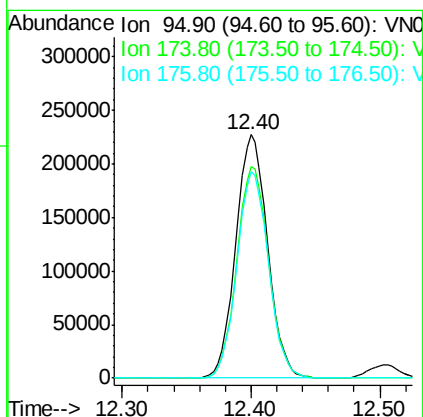
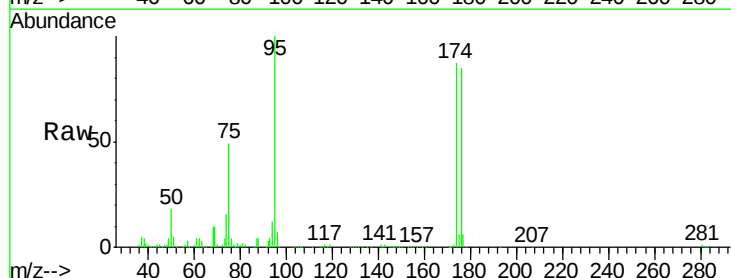
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

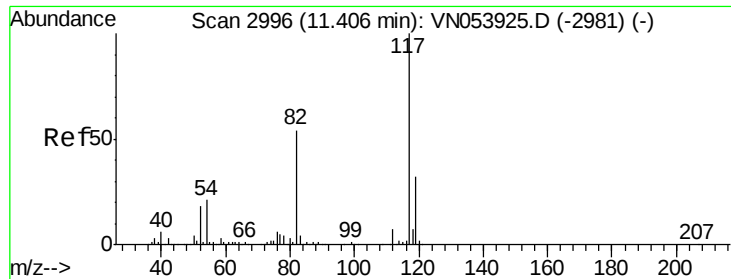
Tot Ion:107 Resp: 117481
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 47.214 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion: 95 Resp: 389625
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 188.8
 176 84.6 0.0 182.6

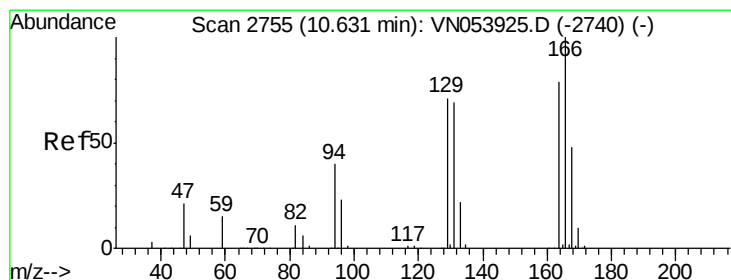
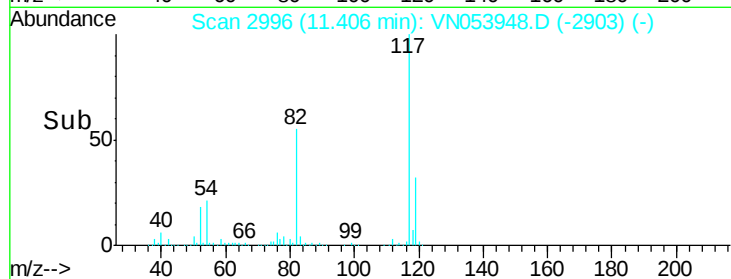
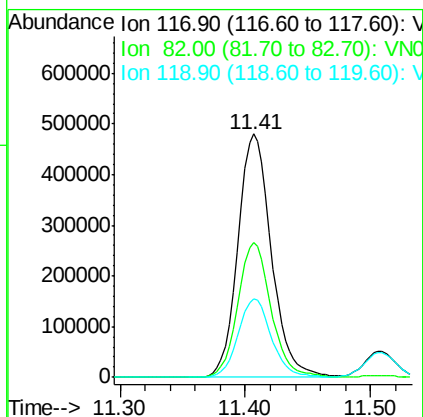
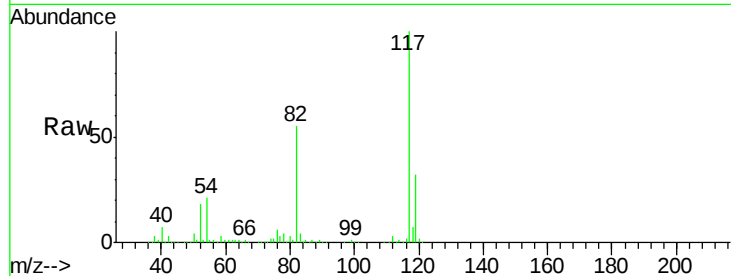




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

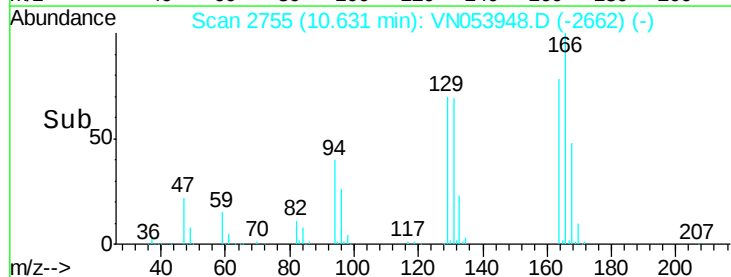
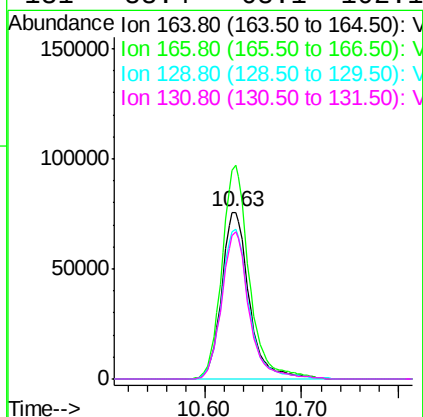
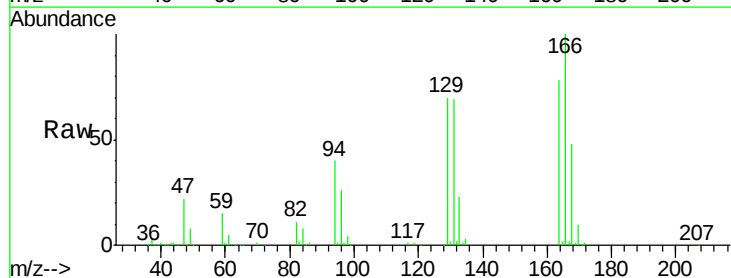
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

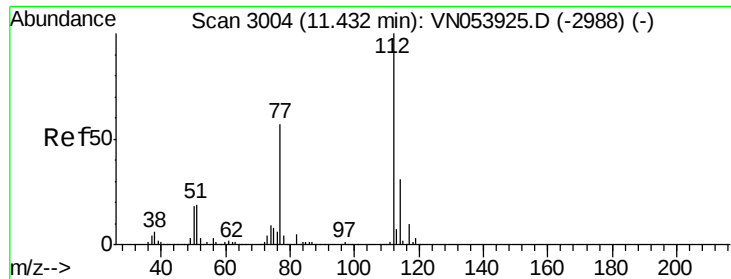
Tot Ion:117 Resp: 892332
Ion Ratio Lower Upper
117 100
82 55.3 41.4 62.2
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 19.836 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion:164 Resp: 149884
Ion Ratio Lower Upper
164 100
166 128.0 102.6 153.8
129 89.9 69.4 104.0
131 88.4 68.1 102.1





#65

Chlorobenzene

Concen: 18.869 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

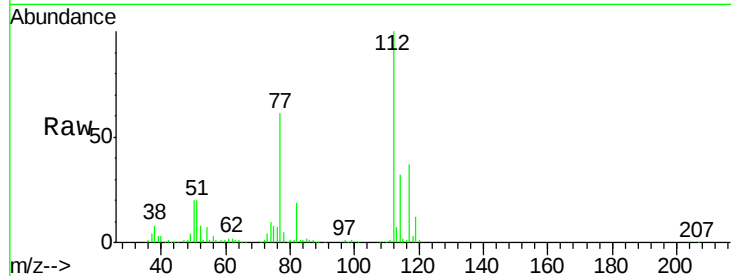
VN0226WBS01

Tot Ion:112 Resp: 355341

Ion Ratio Lower Upper

112 100

114 32.4 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

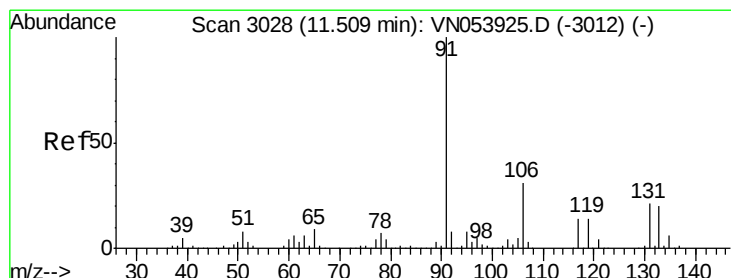
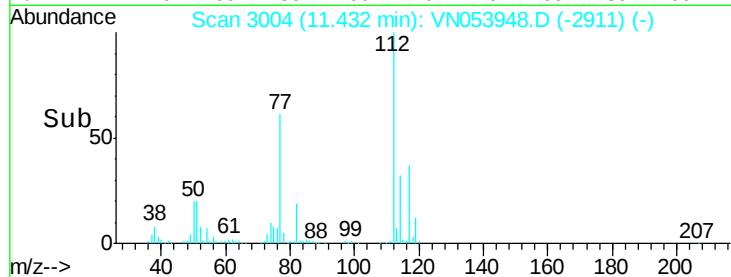
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.431 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

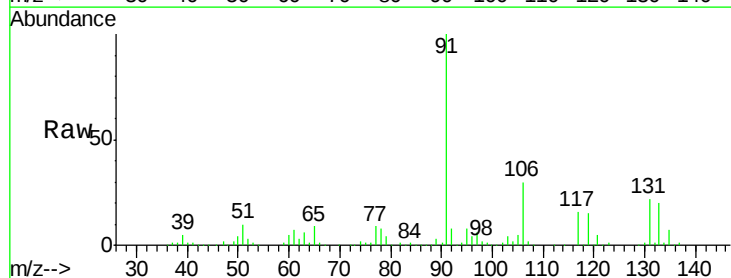
Tgt Ion:131 Resp: 131883

Ion Ratio Lower Upper

131 100

133 94.3 47.7 143.1

119 67.7 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

200000

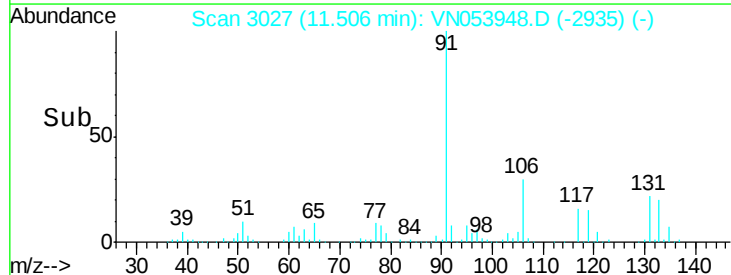
150000

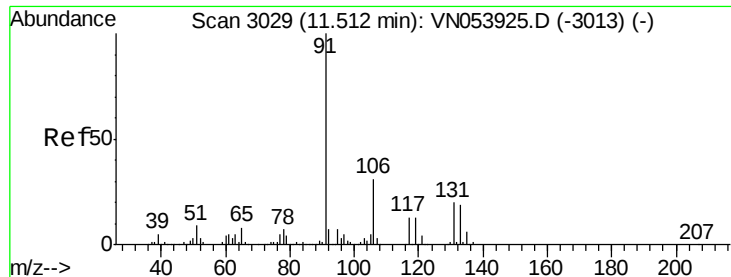
100000

50000

0

Time-->

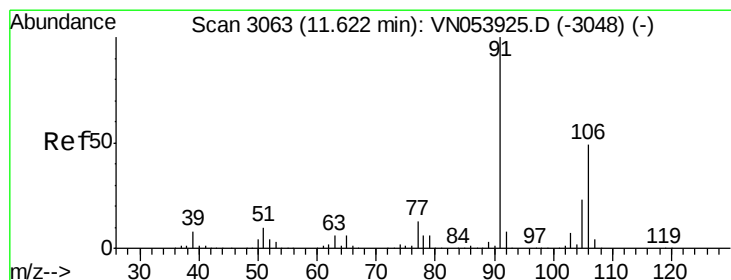
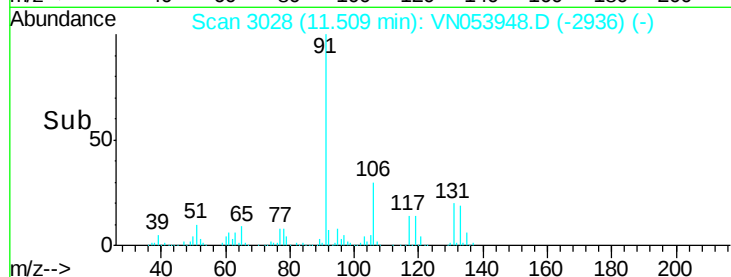
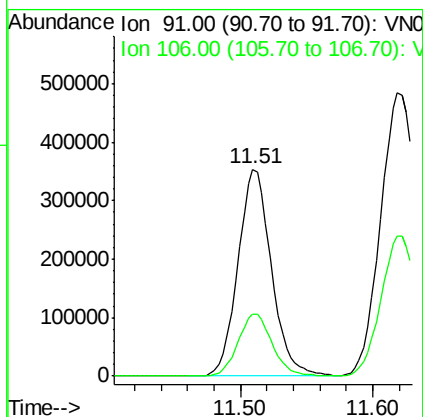
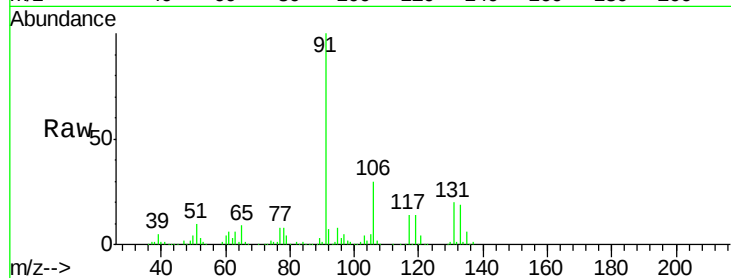




#67
Ethyl Benzene
Concen: 19.659 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

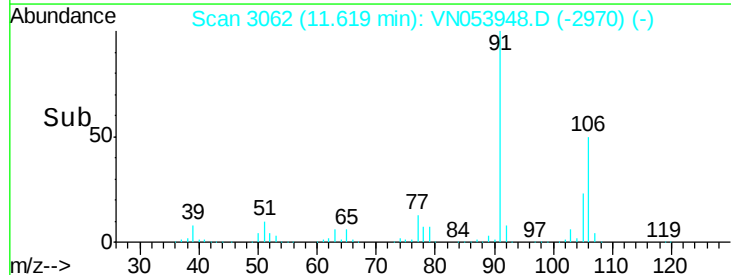
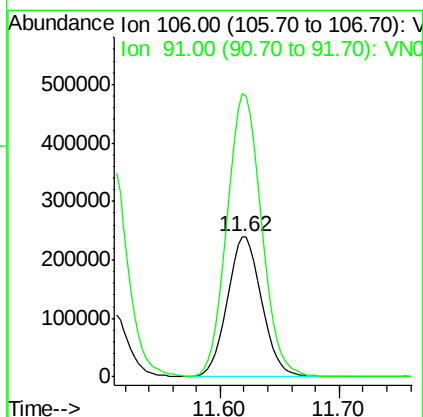
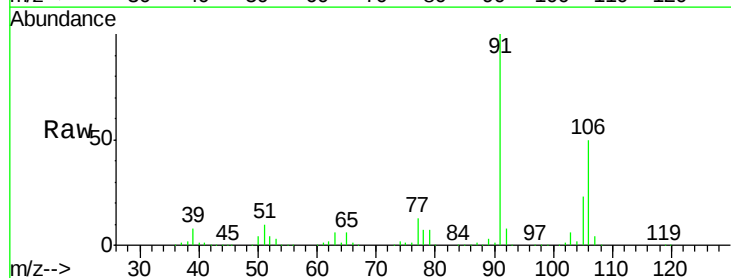
Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

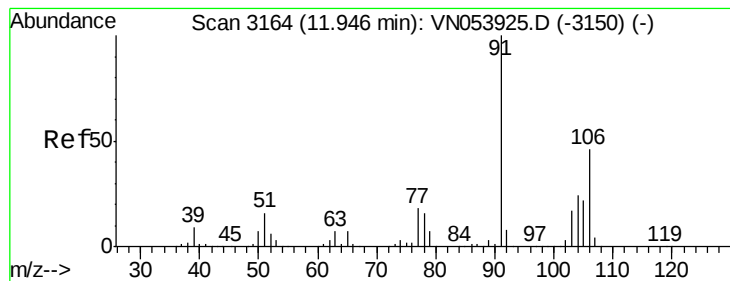
Tot Ion: 91 Resp: 620653
Ion Ratio Lower Upper
91 100
106 29.9 25.2 37.8



#68
m/p-Xylenes
Concen: 40.118 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion: 106 Resp: 478030
Ion Ratio Lower Upper
106 100
91 203.6 158.9 238.3





#69

o-Xylene

Concen: 19.250 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

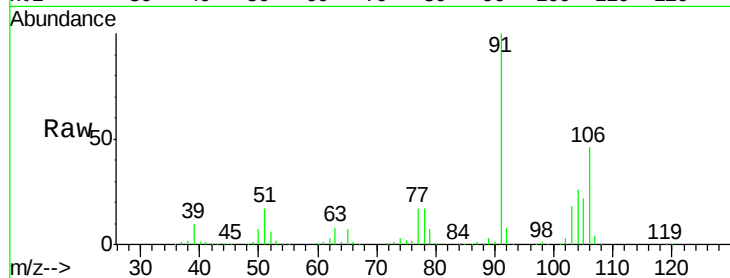
VN0226WBS01

Tot Ion:106 Resp: 225384

Ion Ratio Lower Upper

106 100

91 218.1 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

250000

200000

150000

100000

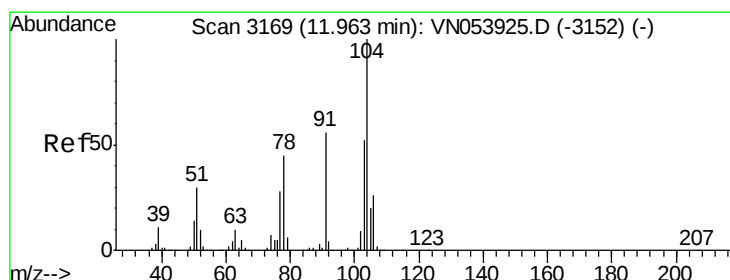
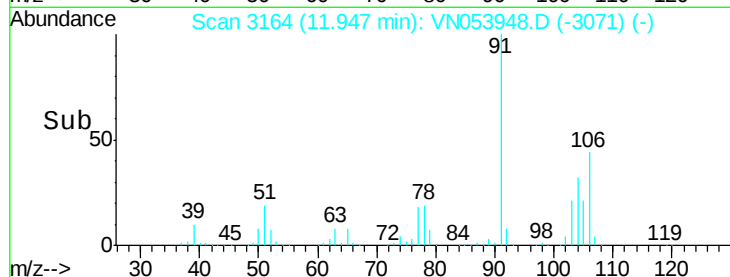
50000

0

11.90

12.00

Time-->



#70

Styrene

Concen: 19.935 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

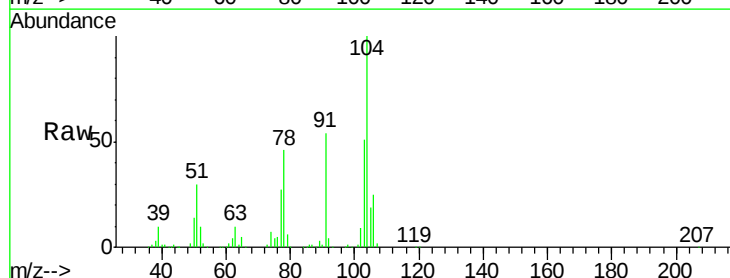
Tgt Ion:104 Resp: 358994

Ion Ratio Lower Upper

104 100

78 49.9 38.1 57.1

103 56.3 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

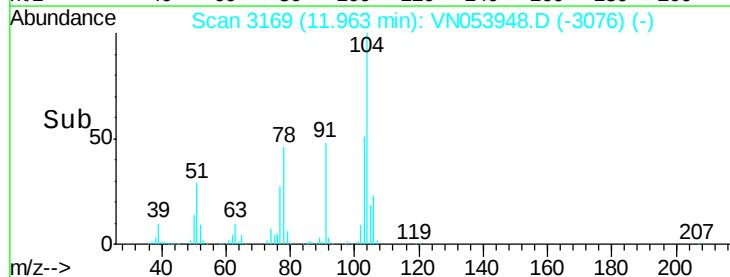
50000

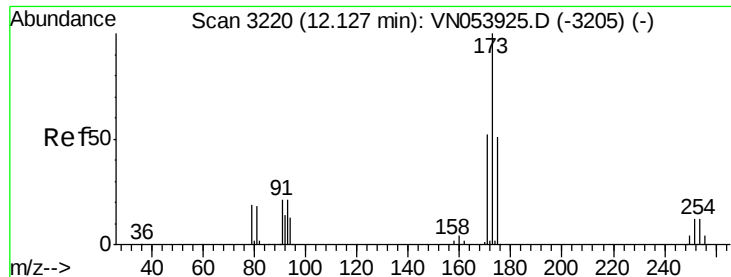
0

11.90

12.00

Time-->

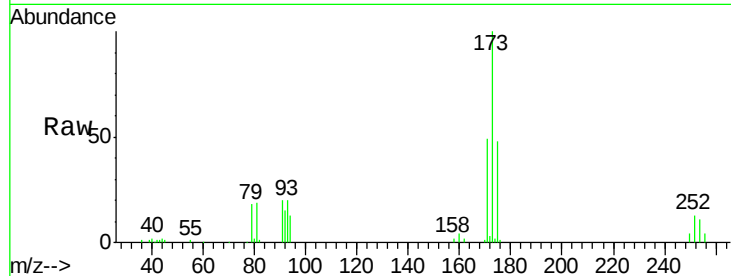




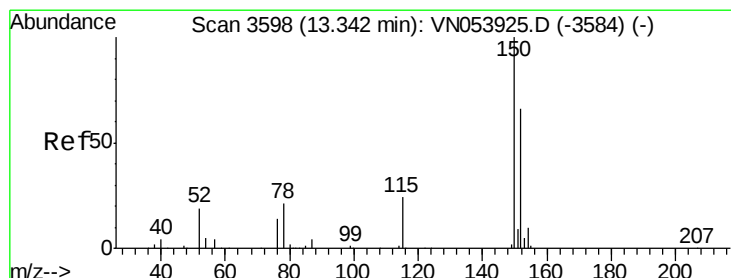
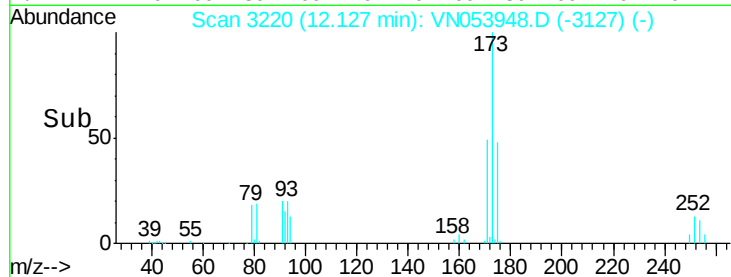
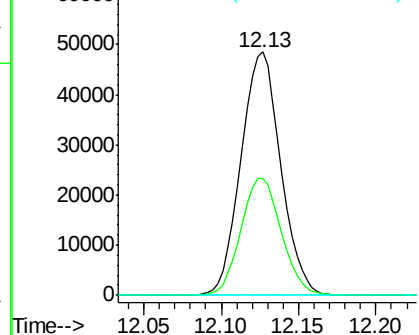
#71
Bromoform
Concen: 18.359 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion:173 Resp: 86686
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.0 0.2 0.2#

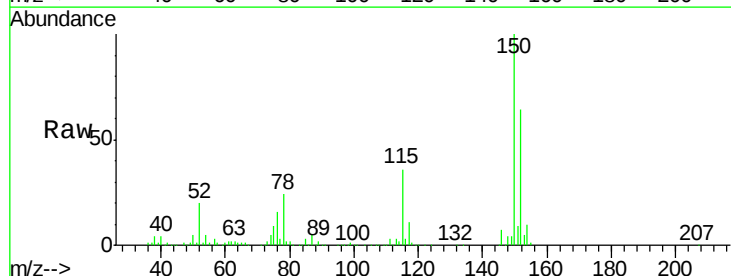


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

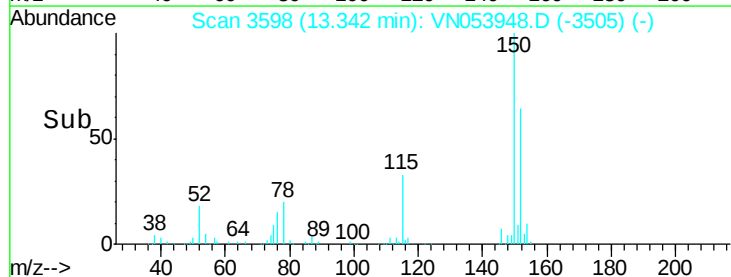
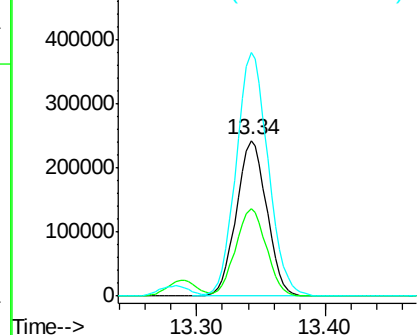


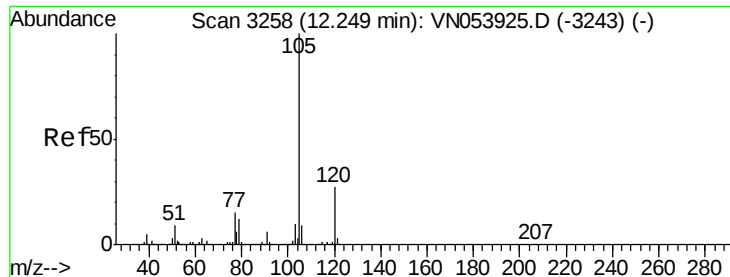
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion:152 Resp: 397620
Ion Ratio Lower Upper
152 100
115 56.9 27.2 81.6
150 164.4 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: 19.628 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

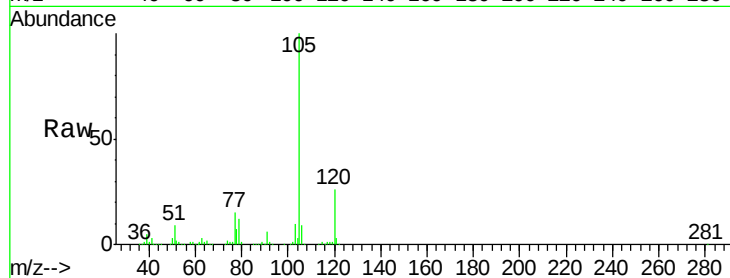
VN0226WBS01

Tot Ion:105 Resp: 607516

Ion Ratio Lower Upper

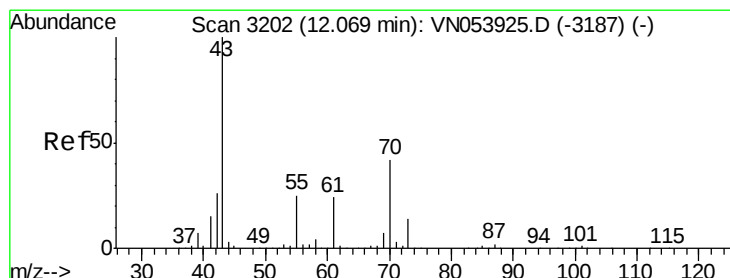
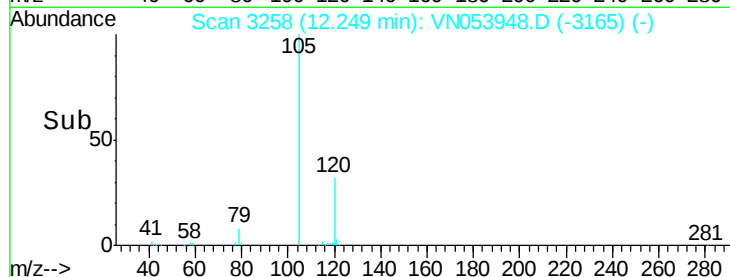
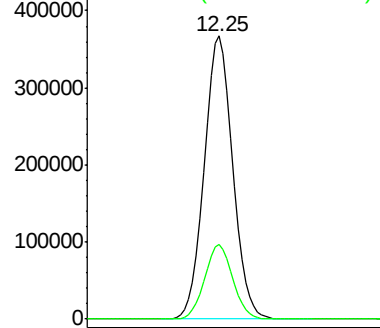
105 100

120 26.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.151 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Tgt Ion: 43 Resp: 147247

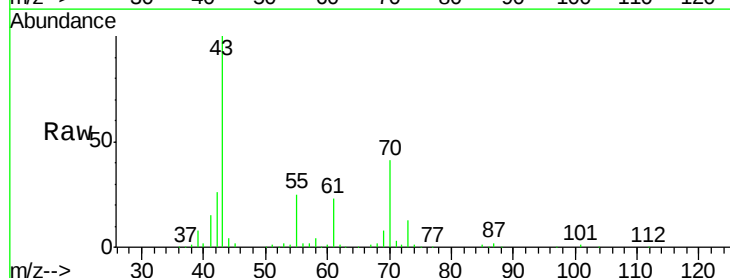
Ion Ratio Lower Upper

43 100

70 41.3 37.4 56.2

55 26.4 21.4 32.0

61 23.0 20.9 31.3

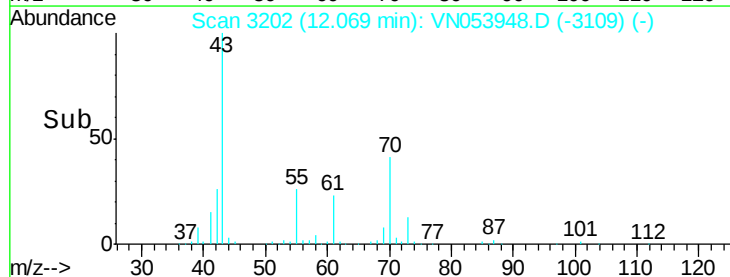
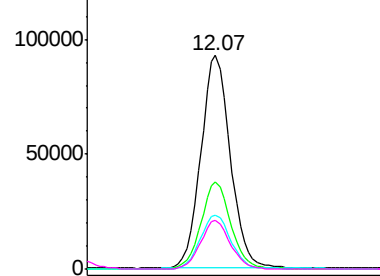


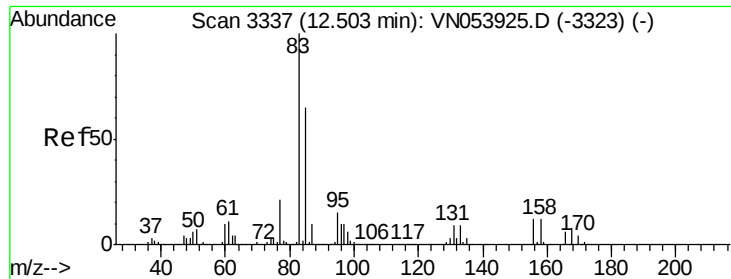
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.335 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

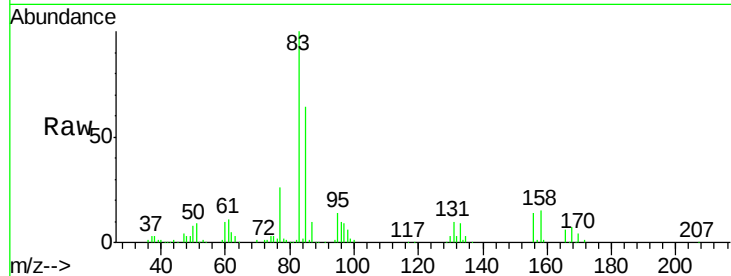
Tot Ion: 83 Resp: 141912

Ion Ratio Lower Upper

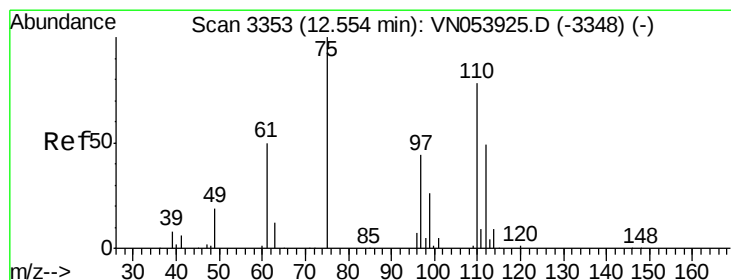
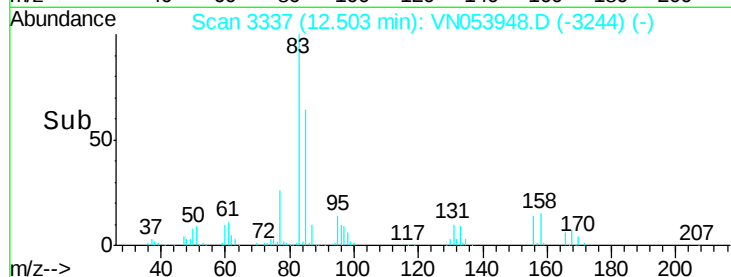
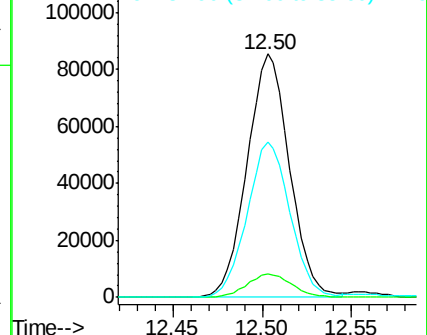
83 100

131 10.2 5.3 16.1

85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 26.972 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053948.D

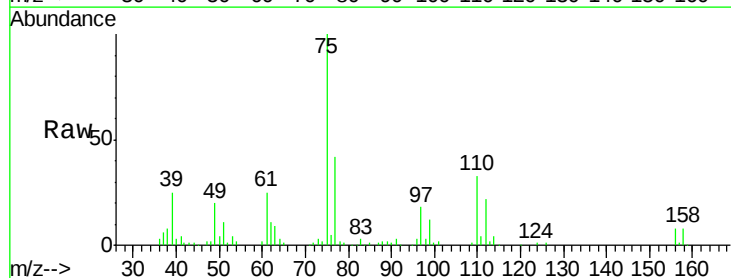
Acq: 26 Feb 2019 12:10

Tgt Ion: 75 Resp: 172044

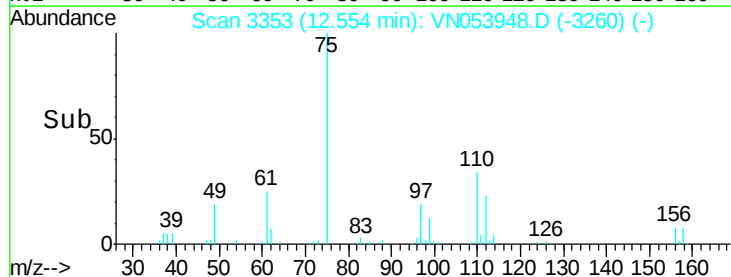
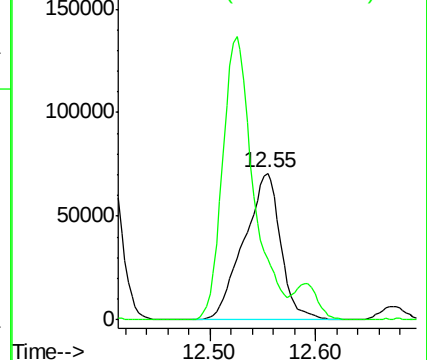
Ion Ratio Lower Upper

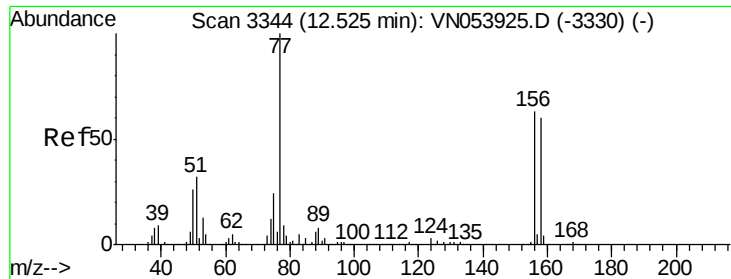
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.162 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

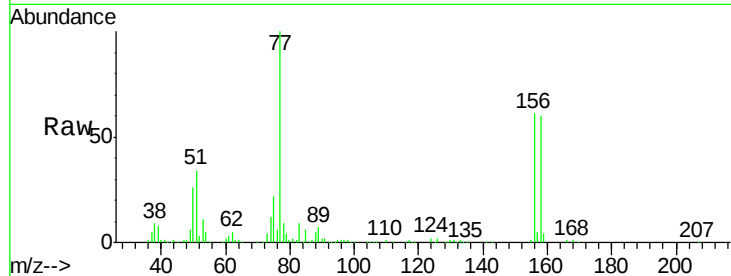
Tot Ion:156 Resp: 150582

Ion Ratio Lower Upper

156 100

77 185.1 84.0 252.2

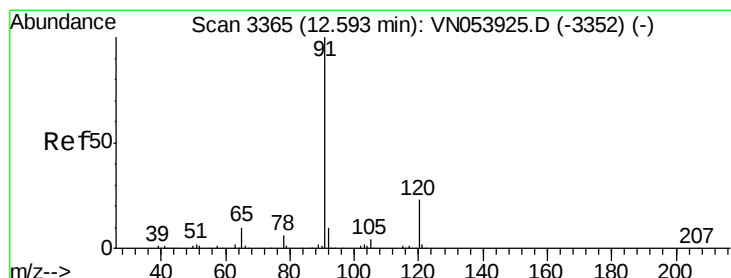
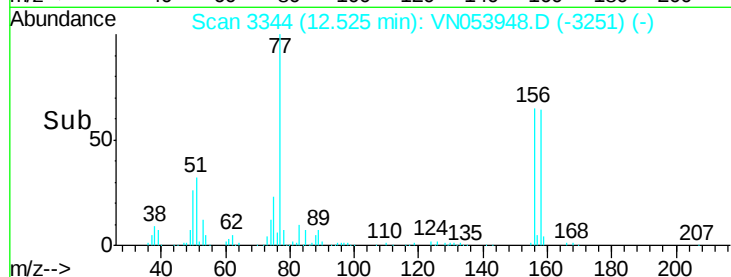
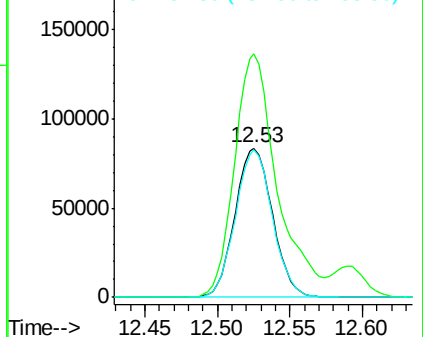
158 97.6 48.5 145.6



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: 20.214 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053948.D

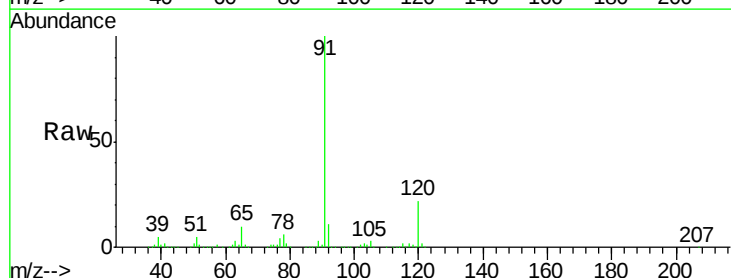
Acq: 26 Feb 2019 12:10

Tgt Ion: 91 Resp: 711530

Ion Ratio Lower Upper

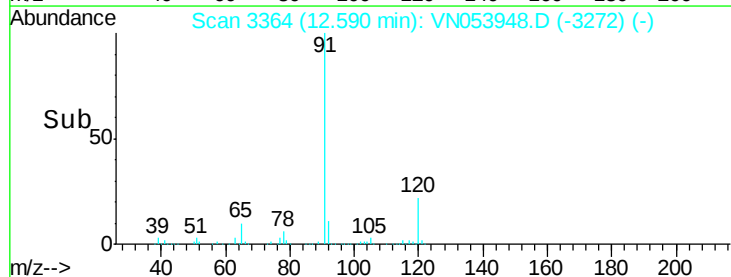
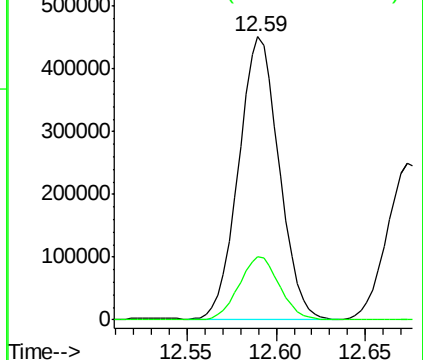
91 100

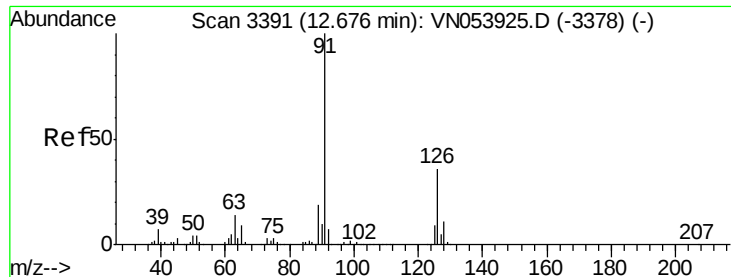
120 22.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.806 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

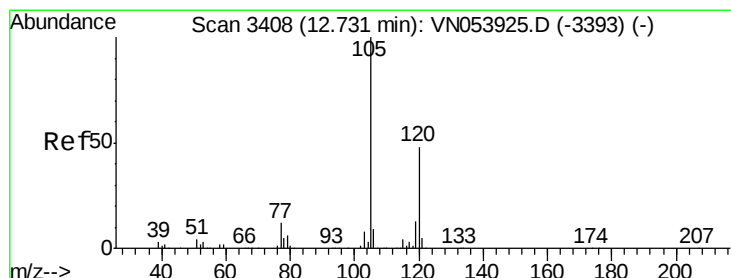
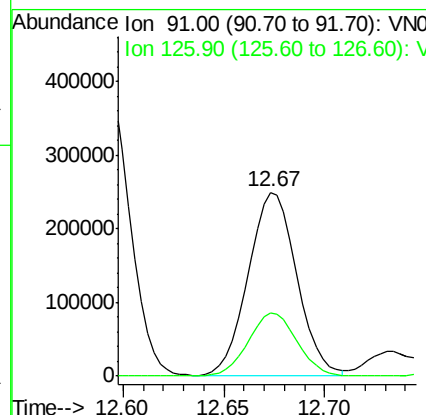
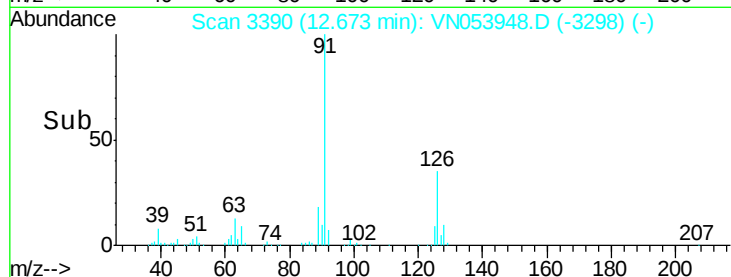
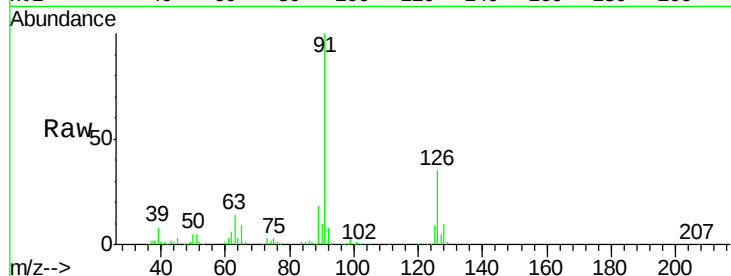
VN0226WBS01

Tot Ion: 91 Resp: 418819

Ion Ratio Lower Upper

91 100

126 34.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 20.176 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053948.D

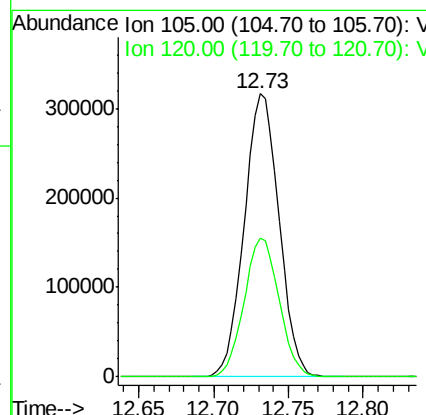
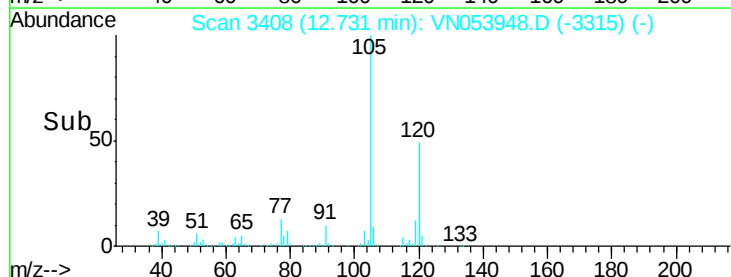
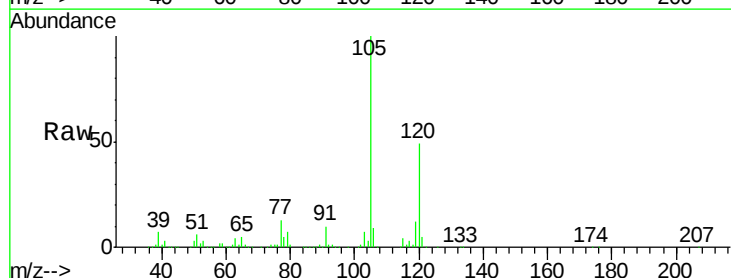
Acq: 26 Feb 2019 12:10

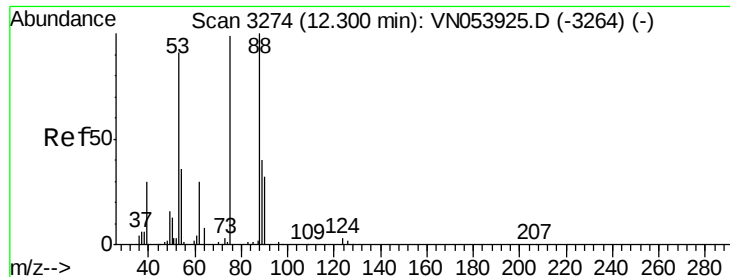
Tgt Ion: 105 Resp: 511256

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.816 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

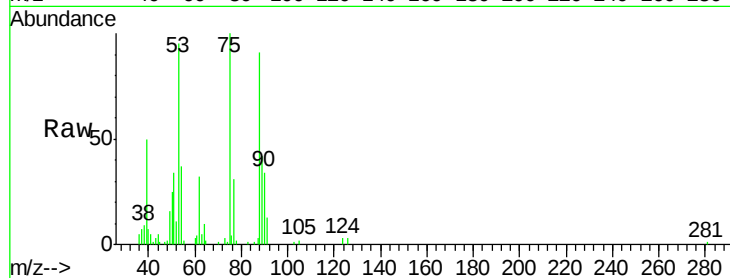
Tot Ion: 75 Resp: 35955

Ion Ratio Lower Upper

75 100

53 93.6 68.6 102.8

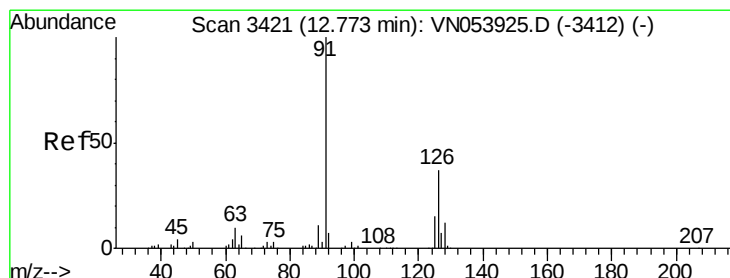
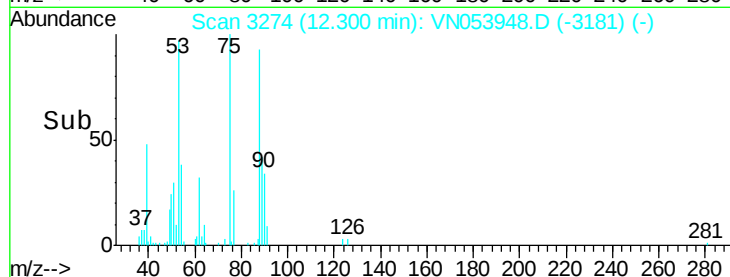
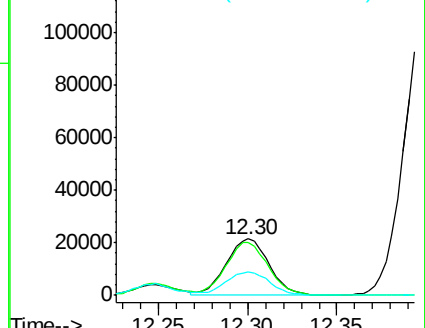
89 42.8 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.057 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053948.D

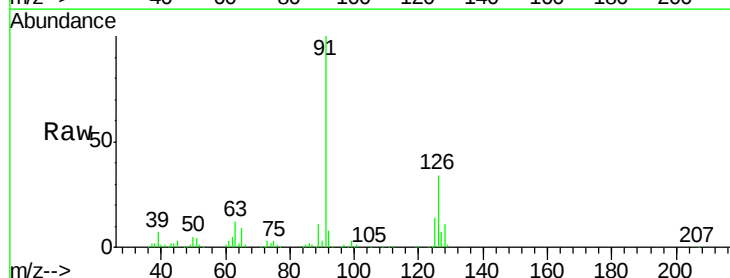
Acq: 26 Feb 2019 12:10

Tgt Ion: 91 Resp: 419179

Ion Ratio Lower Upper

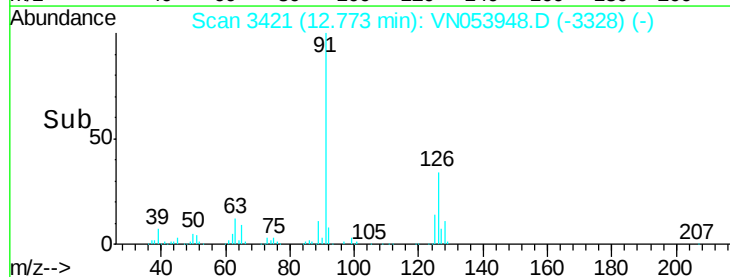
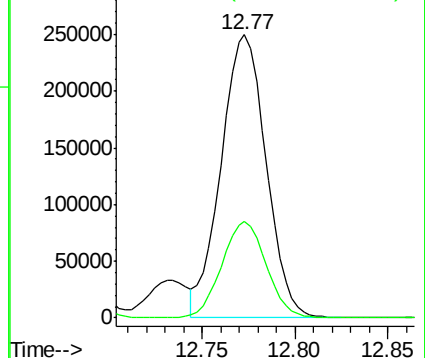
91 100

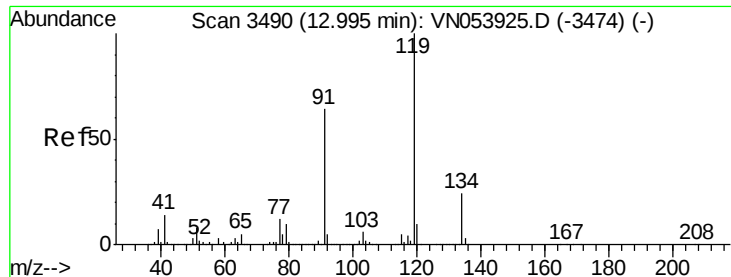
126 33.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

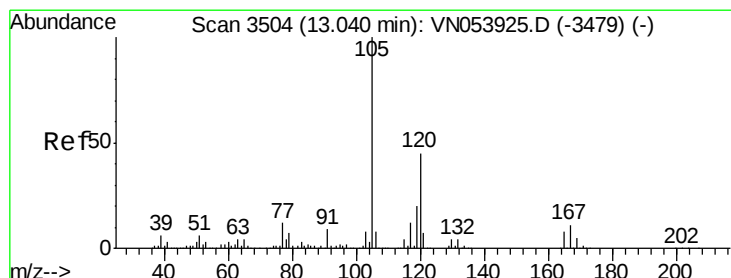
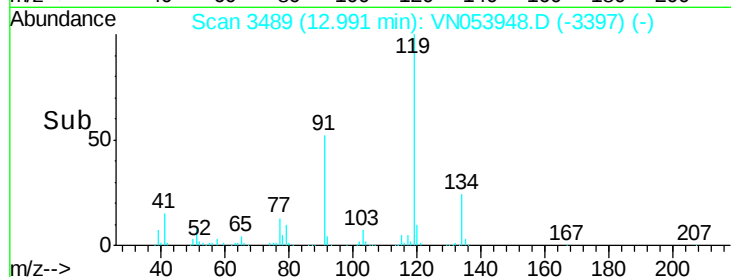
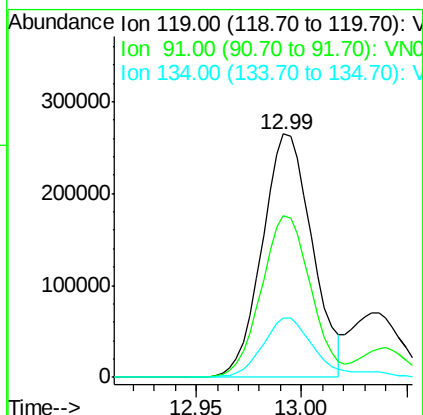
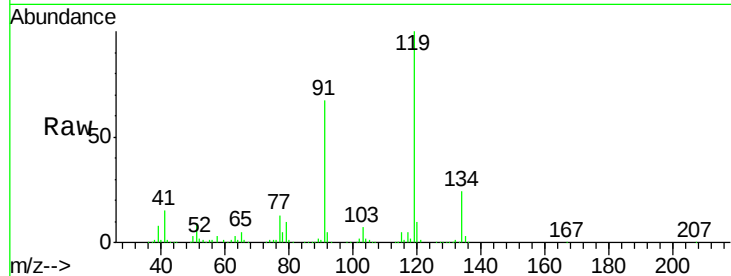




#83
tert-Butylbenzene
Concen: 19.453 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

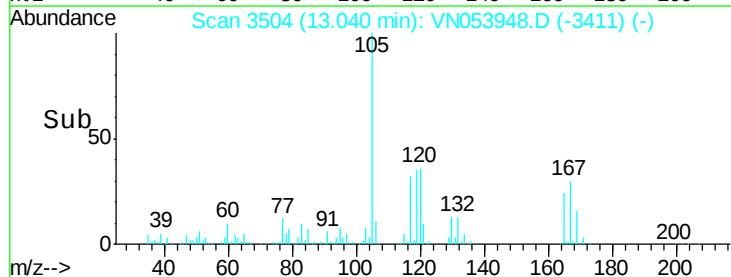
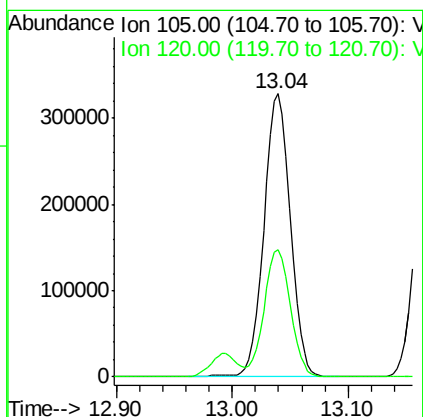
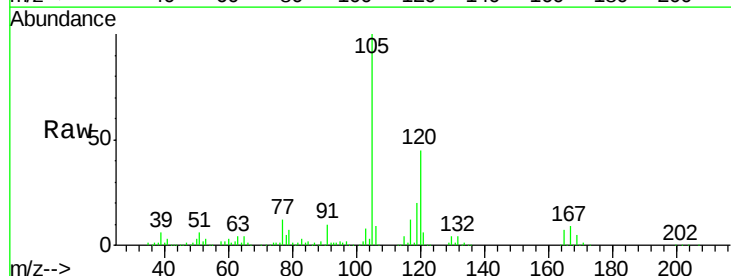
Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

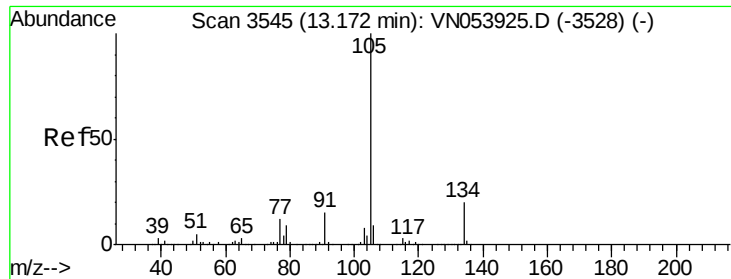
Tot Ion:119 Resp: 435966
Ion Ratio Lower Upper
119 100
91 65.8 30.6 91.8
134 26.2 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 20.503 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053948.D
Acq: 26 Feb 2019 12:10

Tgt Ion:105 Resp: 518681
Ion Ratio Lower Upper
105 100
120 45.0 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.290 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

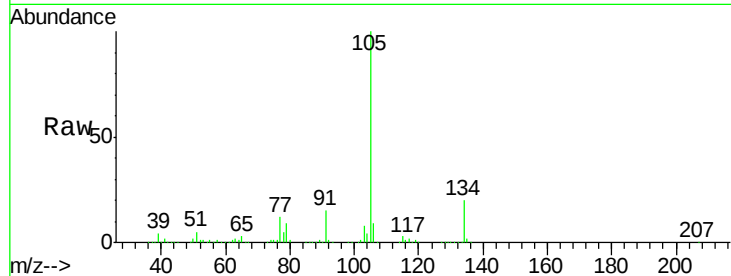
VN0226WBS01

Tot Ion:105 Resp: 621083

Ion Ratio Lower Upper

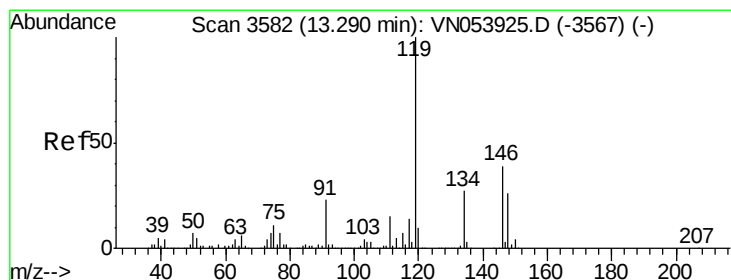
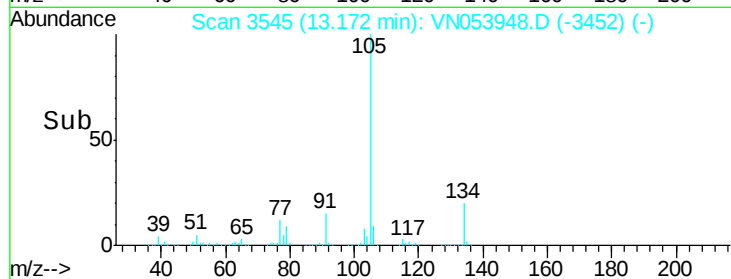
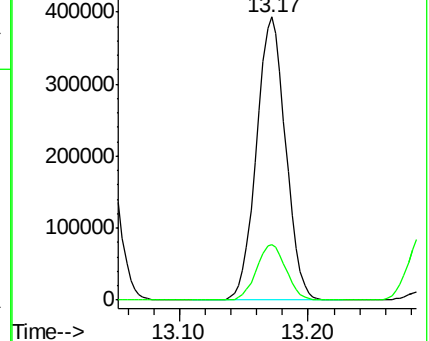
105 100

134 19.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.586 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

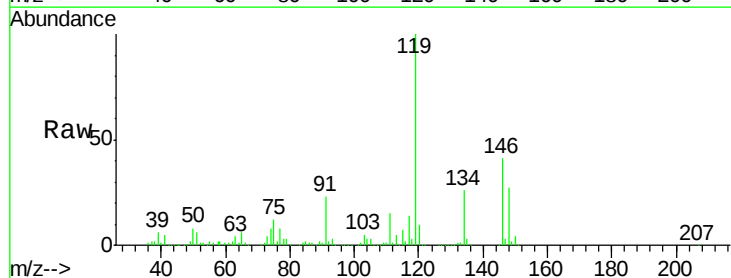
Tgt Ion:119 Resp: 532692

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

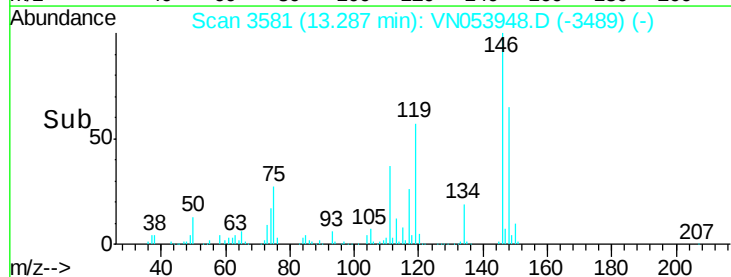
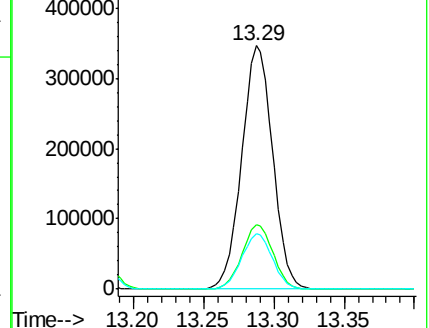
91 22.7 10.9 32.6

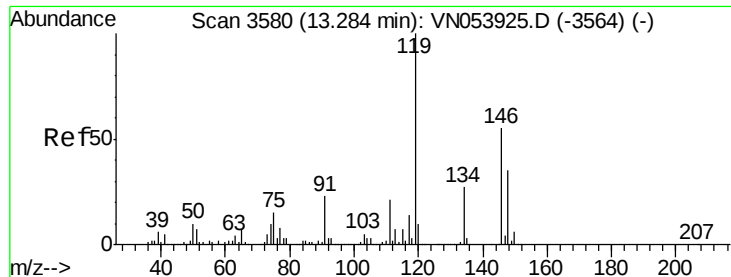


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.341 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

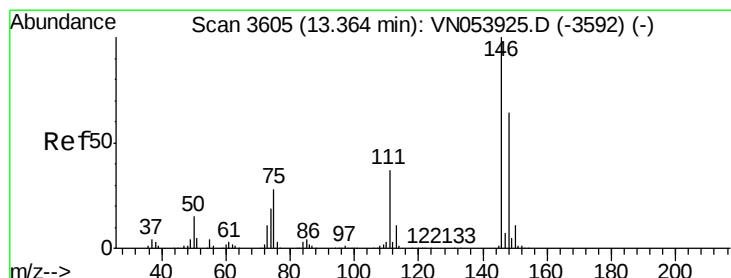
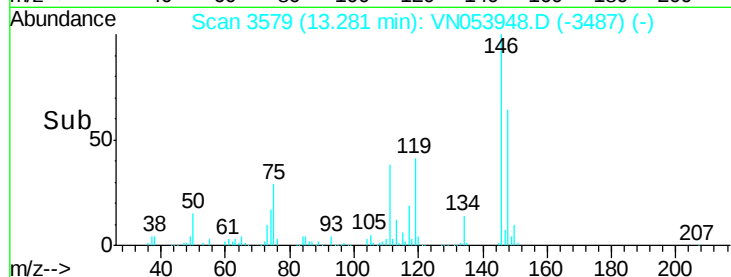
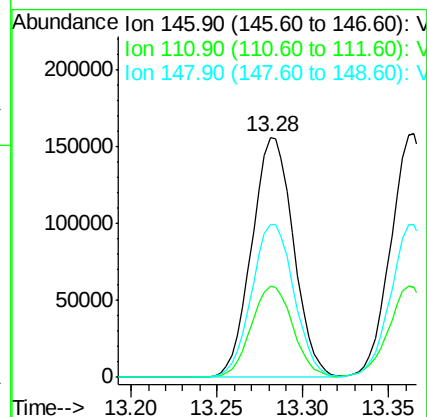
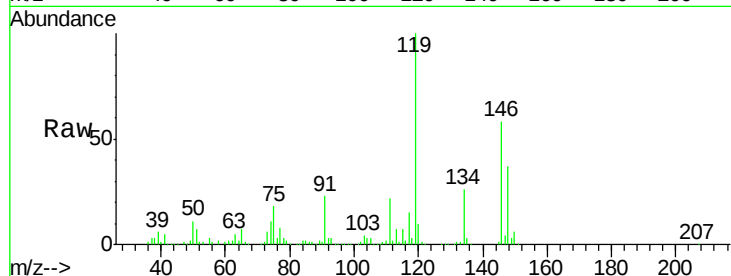
Tot Ion:146 Resp: 262930

Ion Ratio Lower Upper

146 100

111 38.0 18.7 56.1

148 64.7 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.630 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

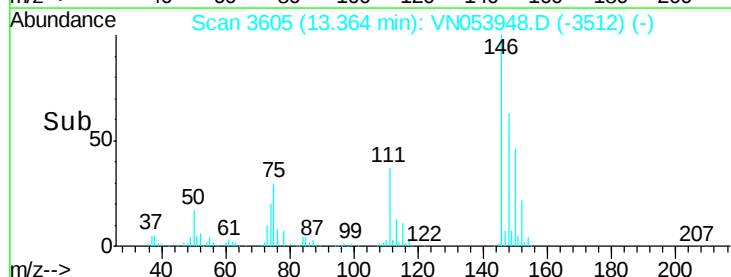
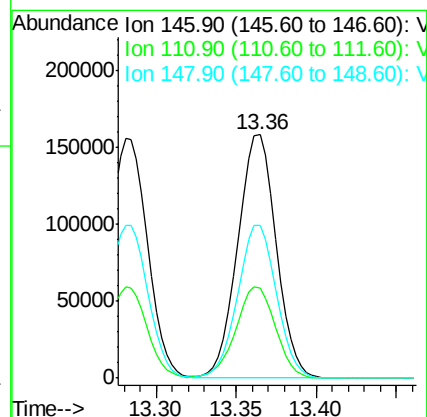
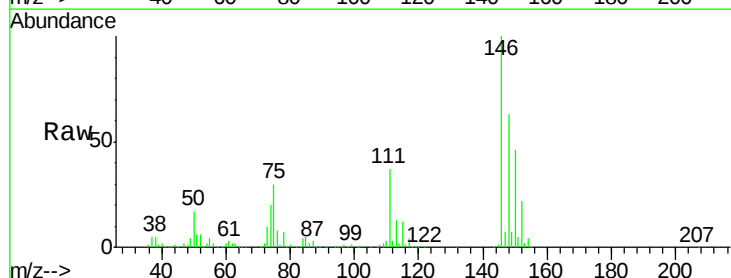
Tgt Ion:146 Resp: 258898

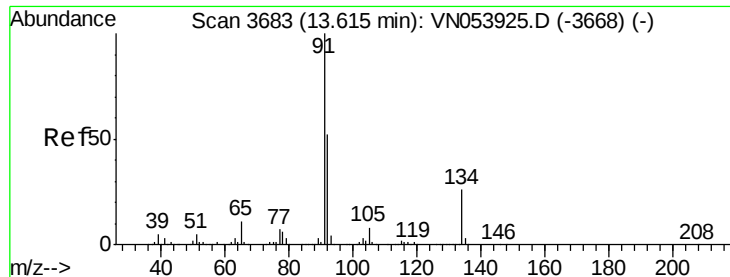
Ion Ratio Lower Upper

146 100

111 38.9 18.0 54.0

148 63.5 32.1 96.5





#89

n-Butylbenzene

Concen: 20.499 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

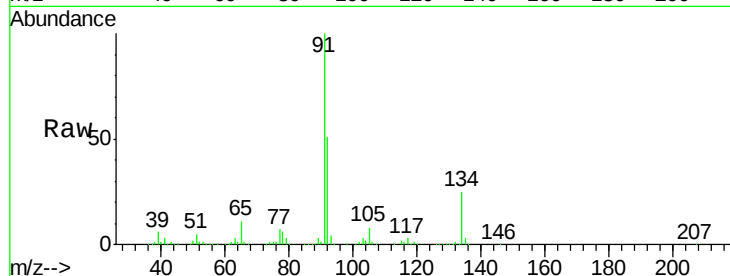
Tot Ion: 91 Resp: 447035

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

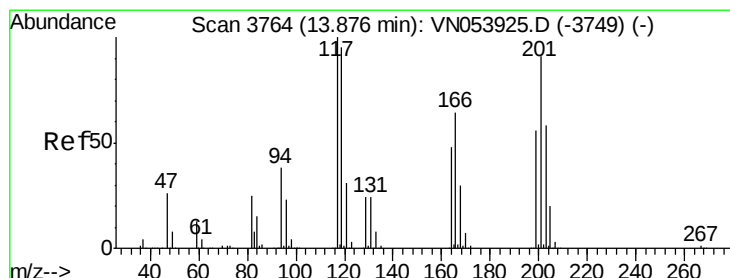
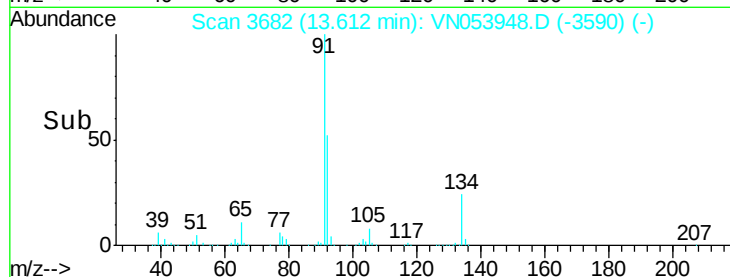
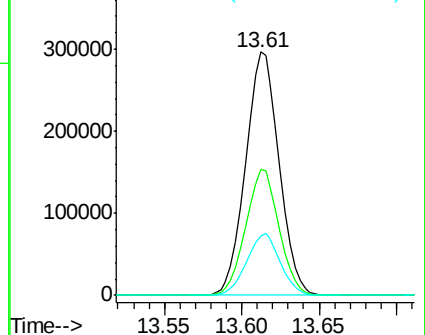
134 25.2 13.6 40.8



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: 18.541 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053948.D

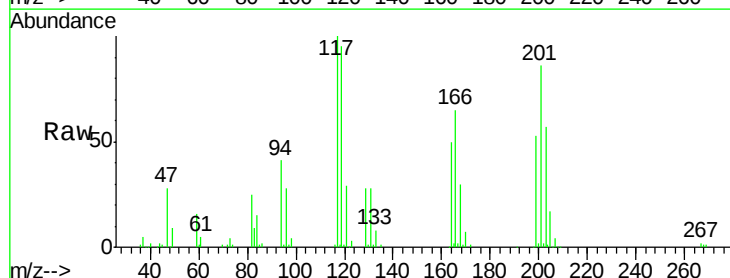
Acq: 26 Feb 2019 12:10

Tgt Ion: 117 Resp: 92974

Ion Ratio Lower Upper

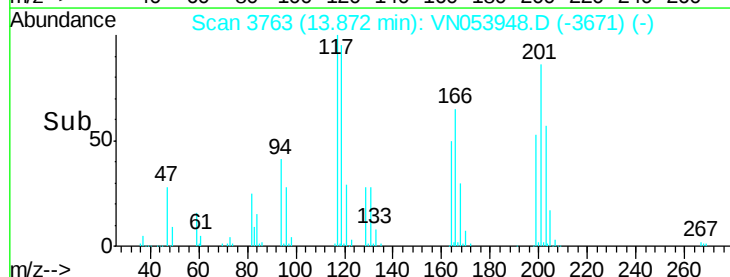
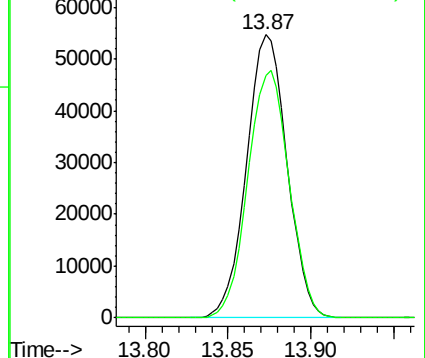
117 100

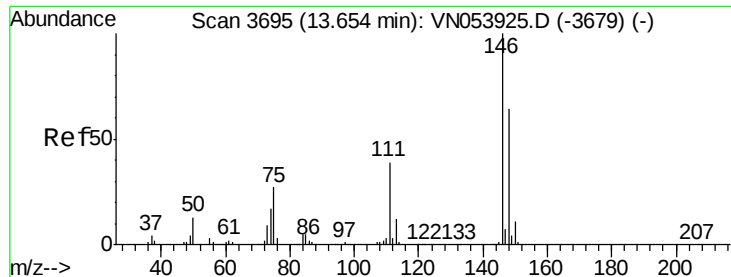
201 88.9 48.0 144.2



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: 19.668 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

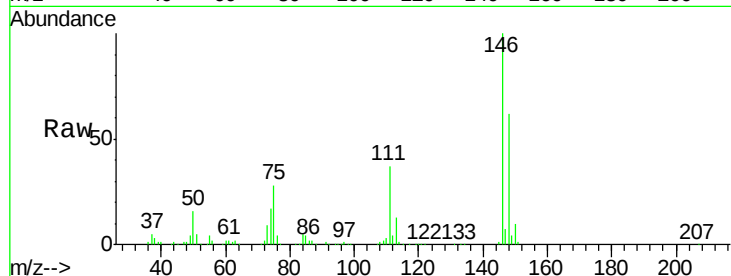
Tot Ion:146 Resp: 258816

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.5

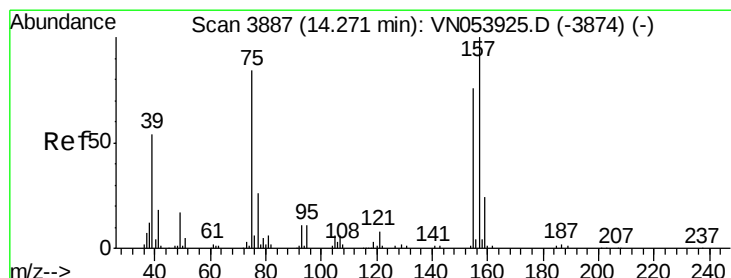
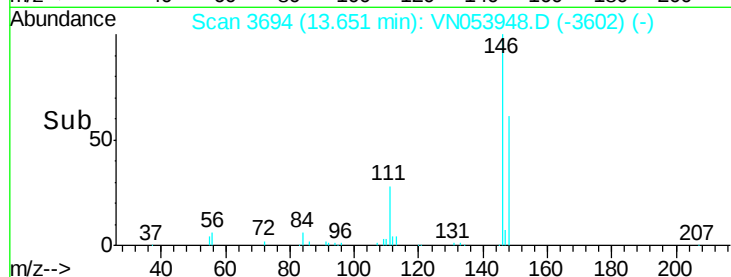
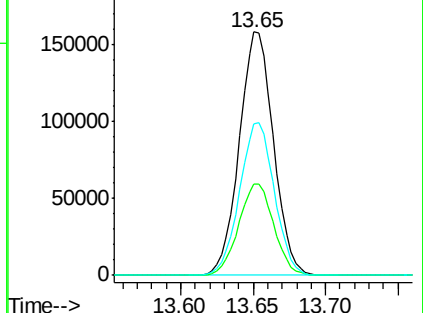
148 63.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.318 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

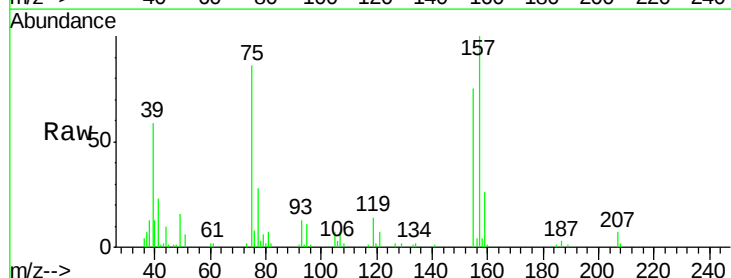
Tgt Ion: 75 Resp: 20036

Ion Ratio Lower Upper

75 100

155 85.1 49.5 148.5

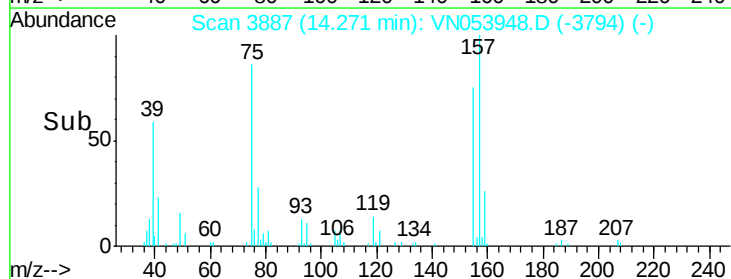
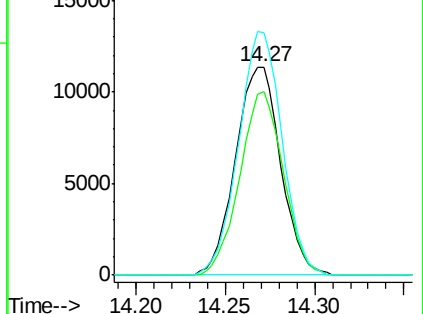
157 112.9 64.8 194.6

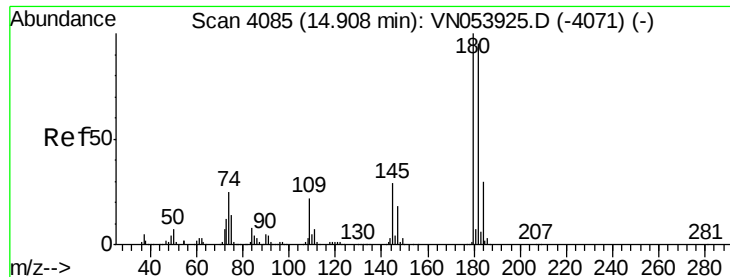


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

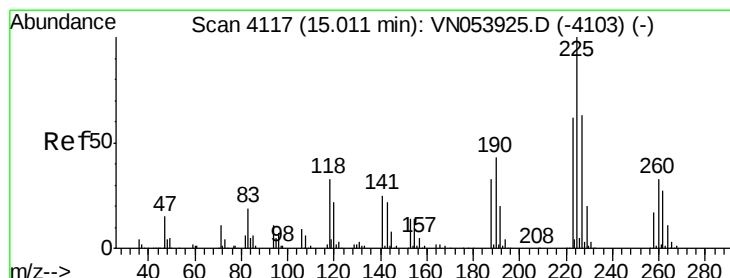
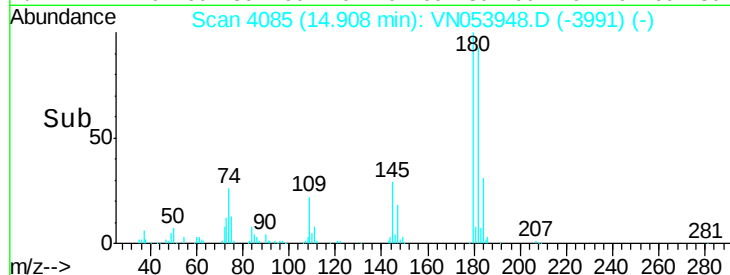
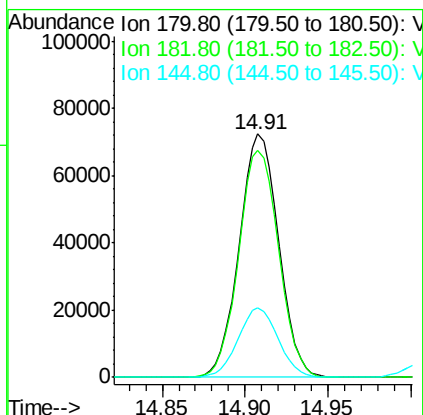
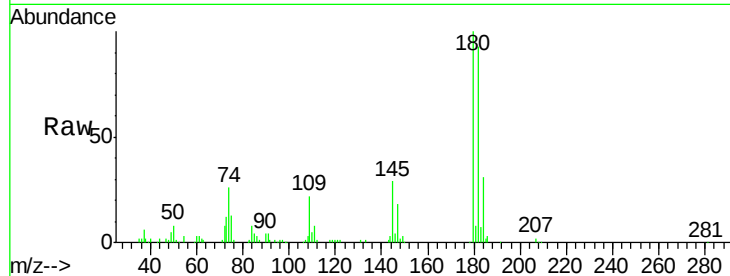




#93
 1,2,4-Trichlorobenzene
 Concen: 17.908 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

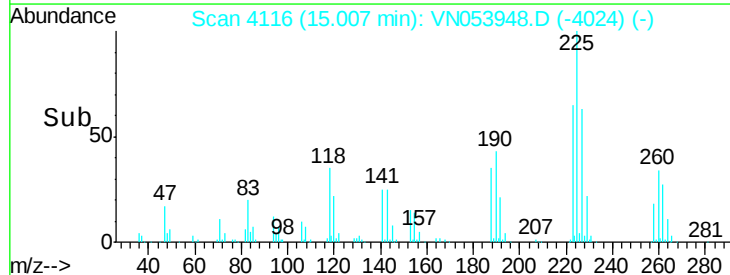
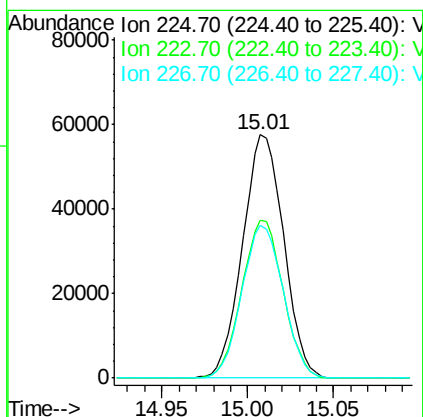
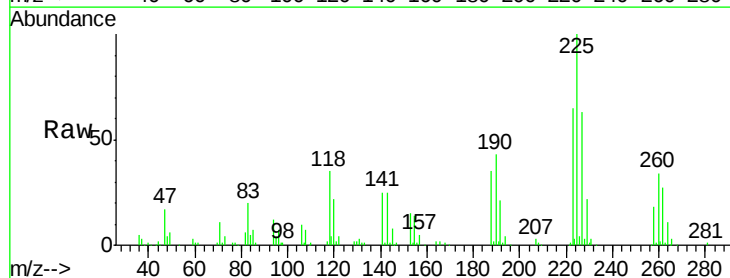
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

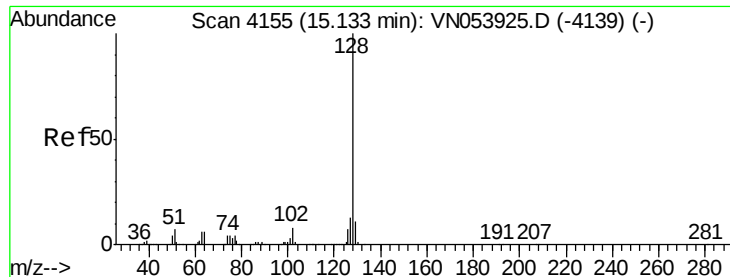
Tot Ion:180 Resp: 119968
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.6 145.9
 145 28.9 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 20.187 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053948.D
 Acq: 26 Feb 2019 12:10

Tgt Ion:225 Resp: 95960
 Ion Ratio Lower Upper
 225 100
 223 64.8 30.9 92.5
 227 62.9 32.5 97.4





#95

Naphthalene

Concen: 16.483 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

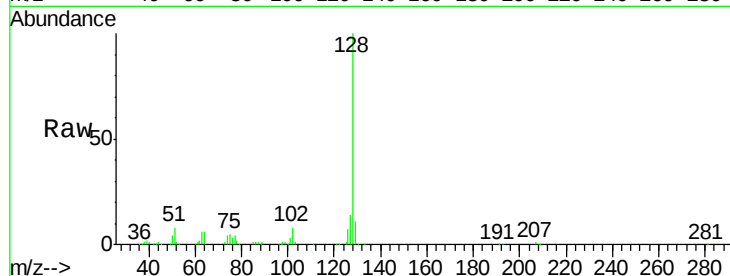
Tot Ion:128 Resp: 223287

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 10.4 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

15.13

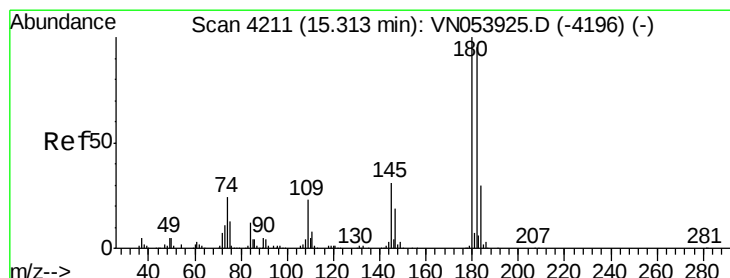
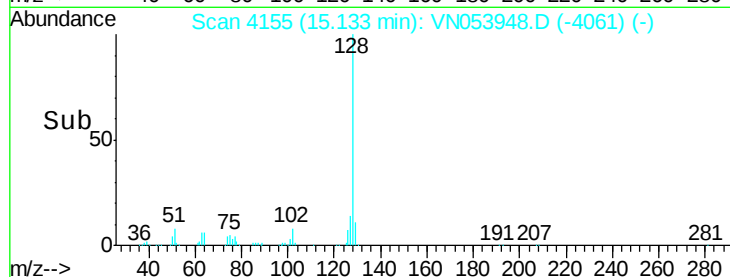
100000

50000

0

15.10 15.20

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 17.887 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053948.D

Acq: 26 Feb 2019 12:10

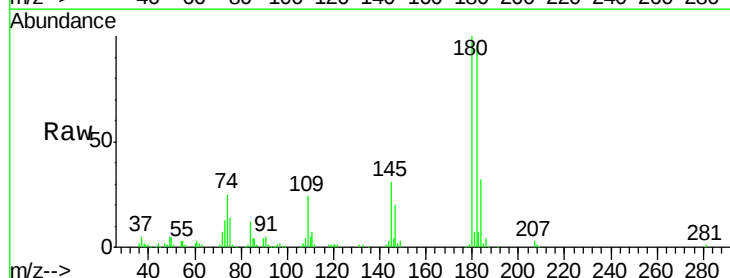
Tgt Ion:180 Resp: 118154

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.8

145 30.8 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

15.31

80000

60000

40000

20000

0

15.25 15.30 15.35 15.40

Time-->

