

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
 Data File : VN051937.D
 Acq On : 19 Oct 2018 10:27
 Operator : MD\SY
 Sample : VN1019WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

Quant Time: Oct 19 23:04:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 05:11:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1080370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1572580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1383202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	608429	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	489659	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	7.59	113	493537	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.09	98	1786366	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	560244	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	119645	18.303	ug/l	98
3) Chloromethane	2.06	50	118052	18.483	ug/l	96
4) Vinyl Chloride	2.19	62	179494	18.606	ug/l	99
5) Bromomethane	2.57	94	164595	19.641	ug/l	98
6) Chloroethane	2.71	64	139825	19.972	ug/l	100
7) Trichlorofluoromethane	3.02	101	299594	20.153	ug/l	99
8) Diethyl Ether	3.41	74	89335	20.512	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	176959	20.746	ug/l	98
10) Methyl Iodide	3.96	142	205523	20.381	ug/l	99
11) Tert butyl alcohol	4.78	59	22763	38.895	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	154921	19.925	ug/l	99
13) Acrolein	3.61	56	31391	60.139	ug/l	93
14) Allyl chloride	4.32	41	160302	19.036	ug/l	91
15) Acrylonitrile	4.99	53	200387	93.774	ug/l	99
16) Acetone	3.82	43	165284	93.196	ug/l	100
17) Carbon Disulfide	4.05	76	343725	17.731	ug/l	99
18) Methyl Acetate	4.33	43	103287	17.789	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	428131	19.107	ug/l	99
20) Methylene Chloride	4.55	84	175378	19.453	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	173584	19.426	ug/l	98
22) Diisopropyl ether	5.95	45	394271	20.089	ug/l	92
23) Vinyl Acetate	5.90	43	1292734	95.674	ug/l	99
24) 1,1-Dichloroethane	5.85	63	285779	20.107	ug/l	99
25) 2-Butanone	6.84	43	237546	93.719	ug/l	98
26) 2,2-Dichloropropane	6.83	77	268415	19.968	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	207854	20.016	ug/l	99
28) Bromochloromethane	7.19	49	115198	19.960	ug/l	95
29) Tetrahydrofuran	7.21	42	142006	91.728	ug/l	97
30) Chloroform	7.37	83	346827	20.398	ug/l	98
31) Cyclohexane	7.65	56	246079	19.698	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	317532	20.022	ug/l	98
36) 1,1-Dichloropropene	7.80	75	244365	20.021	ug/l	99
37) Ethyl Acetate	6.93	43	101771	17.264	ug/l	99
38) Carbon Tetrachloride	7.77	117	286941	19.963	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	307310	20.333	ug/l	100
40) Benzene	8.04	78	729568	20.461	ug/l	99
41) Methacrylonitrile	7.21	41	146164	52.722	ug/l #	3
42) 1,2-Dichloroethane	8.13	62	230401	20.170	ug/l	99
43) Isopropyl Acetate	8.16	43	205210	17.625	ug/l #	88
44) Trichloroethene	8.83	130	225702	20.171	ug/l	100
45) 1,2-Dichloropropane	9.12	63	171296	20.776	ug/l	97
46) Dibromomethane	9.21	93	124547	19.818	ug/l	99
47) Bromodichloromethane	9.40	83	250874	19.917	ug/l	98
48) Methyl methacrylate	9.20	41	94712	19.223	ug/l	98
49) 1,4-Dioxane	9.20	88	31805	339.851	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	527691	92.872	ug/l	99
52) Toluene	10.16	92	484731	20.322	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	219557	18.394	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	261768	19.667	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	175836	20.119	ug/l	98
56) Ethyl methacrylate	10.43	69	178199	18.238	ug/l	98
57) 1,3-Dichloropropane	10.71	76	262639	19.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	382276	86.807	ug/l	99
59) 2-Hexanone	10.75	43	336311	88.273	ug/l	98
60) Dibromochloromethane	10.90	129	196087	18.103	ug/l	98
61) 1,2-Dibromoethane	11.01	107	174324	19.017	ug/l	99
64) Tetrachloroethene	10.63	164	234610	21.131	ug/l	97
65) Chlorobenzene	11.43	112	555190	20.076	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	208913	20.295	ug/l	99
67) Ethyl Benzene	11.51	91	917526	20.253	ug/l	100
68) m/p-Xylenes	11.62	106	736518	40.489	ug/l	98
69) o-Xylene	11.95	106	365108	20.596	ug/l	99
70) Styrene	11.96	104	539818	19.796	ug/l	99
71) Bromoform	12.13	173	117278	17.398	ug/l #	99
73) Isopropylbenzene	12.25	105	956356	20.305	ug/l	99
74) N-amyl acetate	12.07	43	142174	17.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	188034	19.754	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	215755	29.175	ug/l #	100
77) Bromobenzene	12.53	156	236835	19.761	ug/l	99
78) n-propylbenzene	12.59	91	1024952	20.904	ug/l	97
79) 2-Chlorotoluene	12.67	91	606110	21.818	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	793934	20.854	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35630	15.991	ug/l	86
82) 4-Chlorotoluene	12.77	91	587828	20.516	ug/l	99
83) tert-Butylbenzene	12.99	119	731191	20.438	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	785917	20.996	ug/l	99
85) sec-Butylbenzene	13.17	105	955730	21.013	ug/l	99
86) p-Isopropyltoluene	13.29	119	838978	21.283	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	405822	20.090	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	383121	19.298	ug/l	98
89) n-Butylbenzene	13.61	91	619863	21.677	ug/l	99
90) Hexachloroethane	13.87	117	134771	20.441	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	402055	20.552	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22520	17.660	ug/l	95

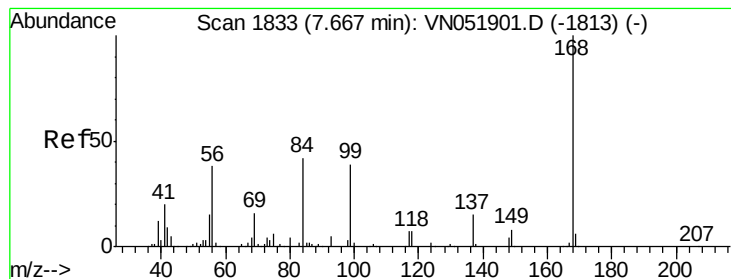
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101918\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144640	17.536	ug/l	98
94) Hexachlorobutadiene	15.01	225	134011	21.633	ug/l	98
95) Naphthalene	15.13	128	256828	15.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	149252	17.733	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

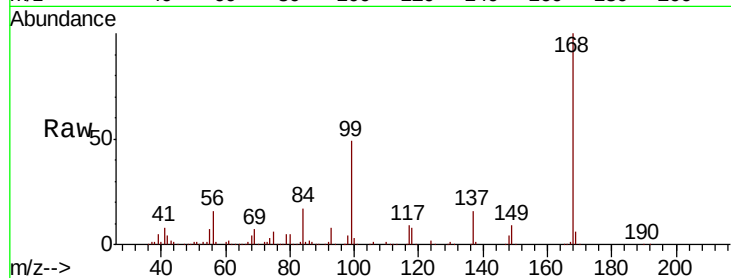
VN1019WBS01

Tot Ion:168 Resp: 1080370

Ion Ratio Lower Upper

168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

300000

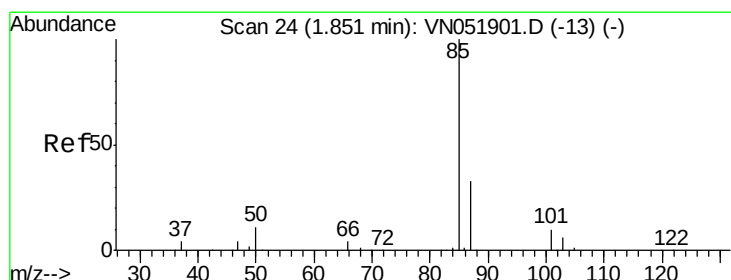
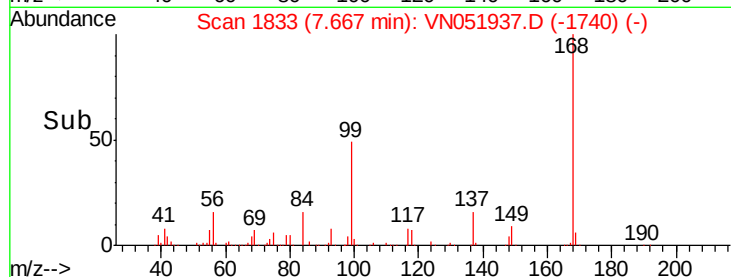
200000

100000

0

Time-->

7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.303 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051937.D

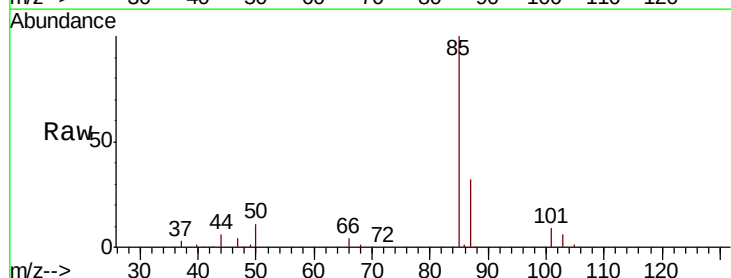
Acq: 19 Oct 2018 10:27

Tgt Ion: 85 Resp: 119645

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

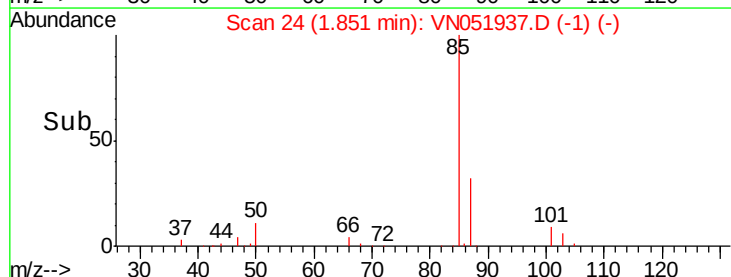
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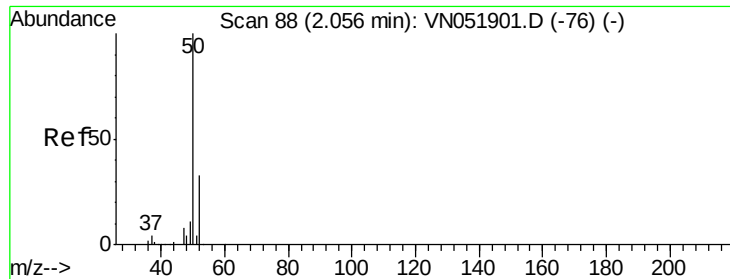
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.483 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

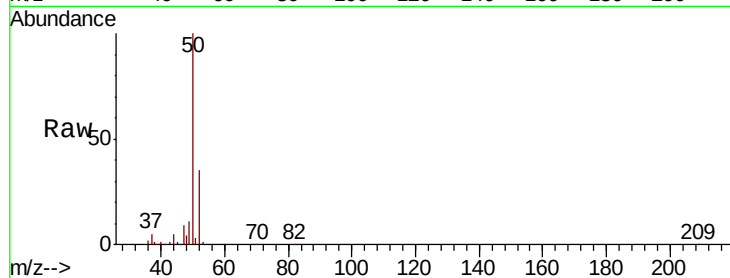
VN1019WBS01

Tot Ion: 50 Resp: 118052

Ion Ratio Lower Upper

50 100

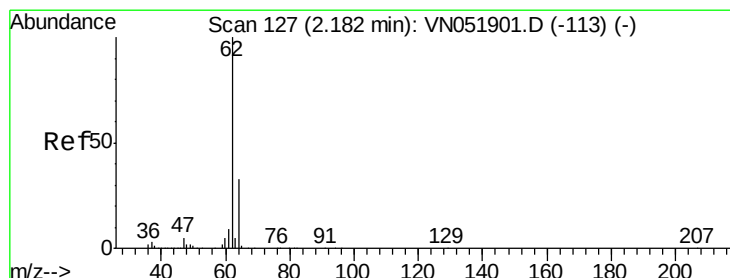
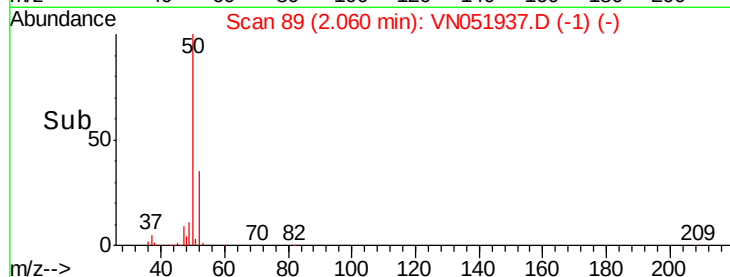
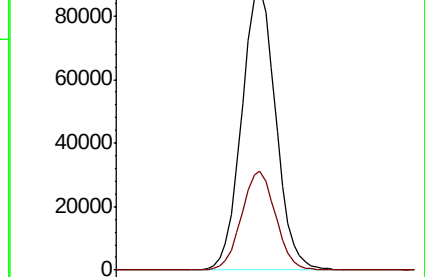
52 35.1 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN051901.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN051901.D (-76) (-)

2.06



#4

Vinyl Chloride

Concen: 18.606 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051937.D

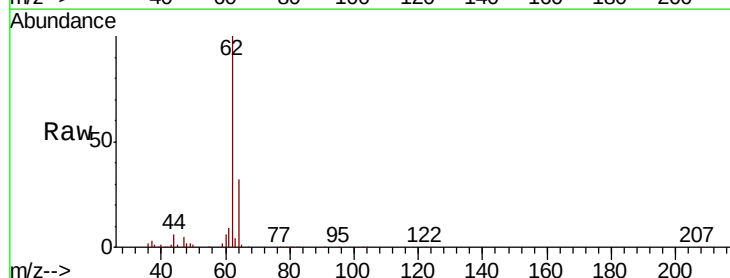
Acq: 19 Oct 2018 10:27

Tgt Ion: 62 Resp: 179494

Ion Ratio Lower Upper

62 100

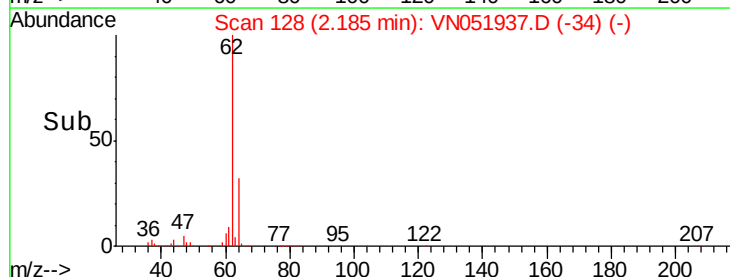
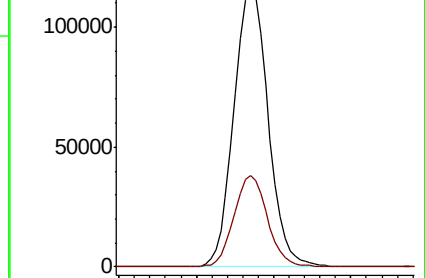
64 32.4 26.2 39.2

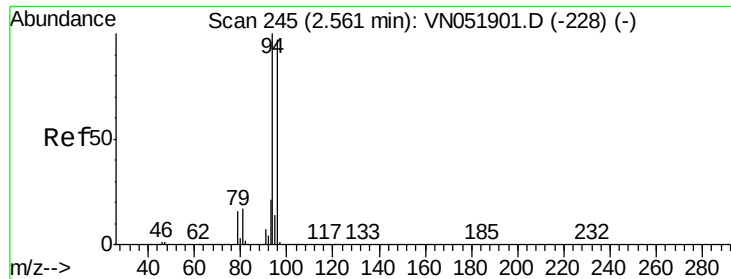


Abundance Ion 61.90 (61.60 to 62.60): VN051901.D (-113) (-)

Ion 63.90 (63.60 to 64.60): VN051901.D (-113) (-)

2.19

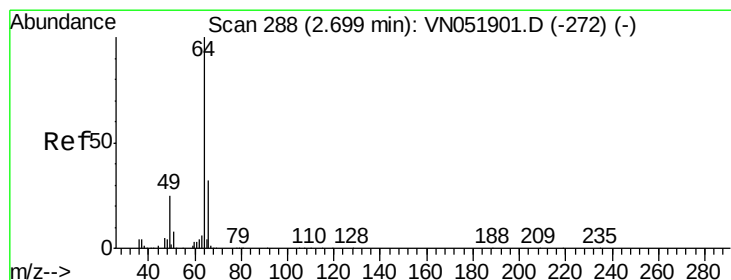
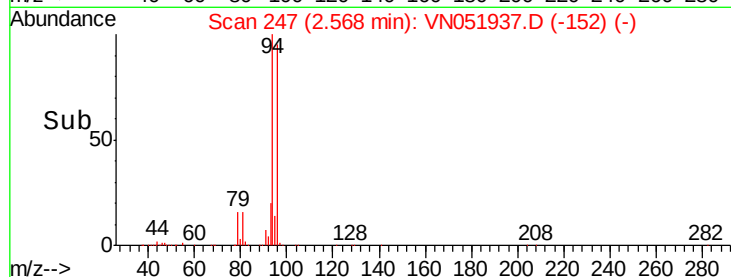
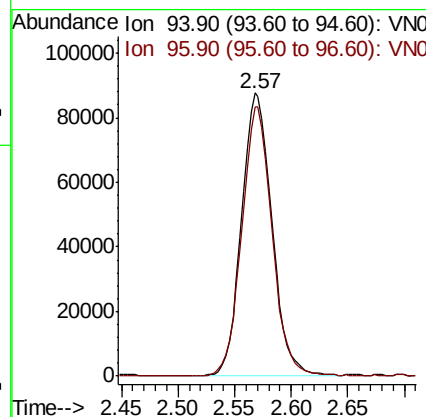
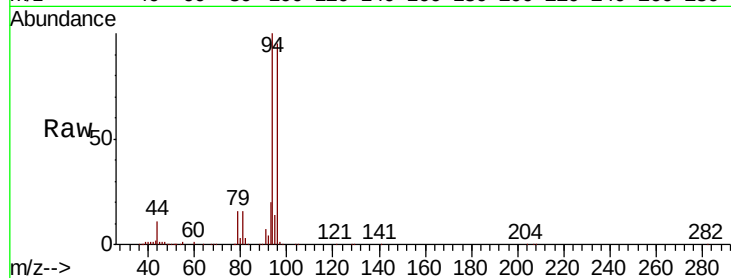




#5
Bromomethane
Concen: 19.641 ug/l
RT: 2.57 min Scan# 247
Delta R.T. 0.01 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

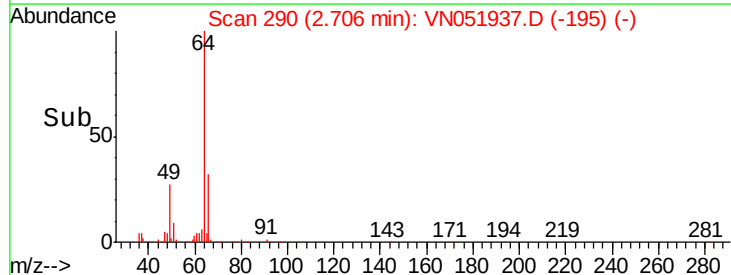
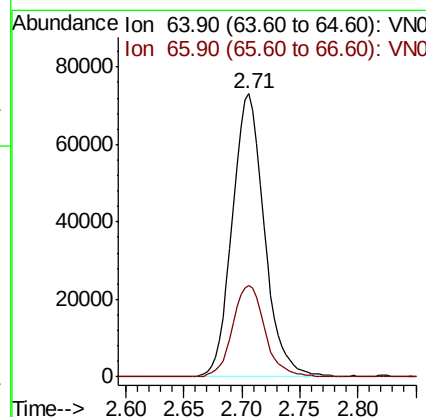
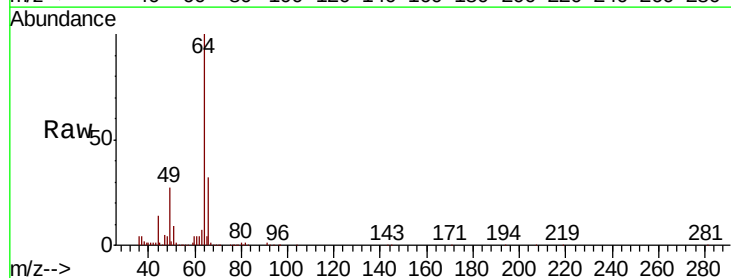
Instrument :
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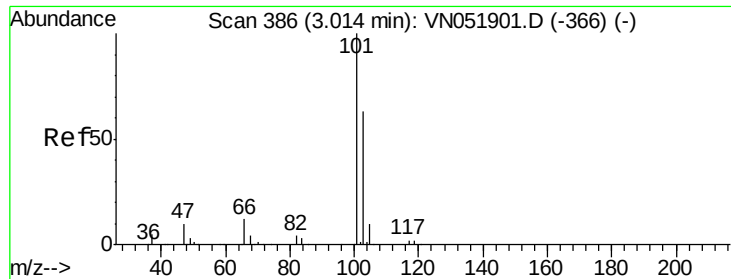
Tot Ion: 94 Resp: 164595
Ion Ratio Lower Upper
94 100
96 94.8 77.5 116.3



#6
Chloroethane
Concen: 19.972 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 64 Resp: 139825
Ion Ratio Lower Upper
64 100
66 32.2 25.9 38.9



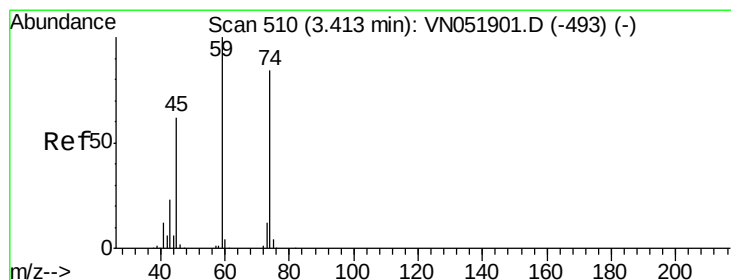
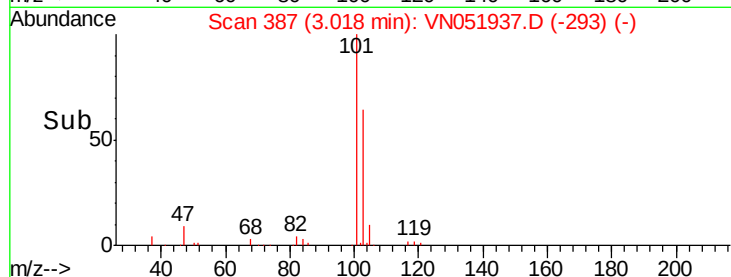
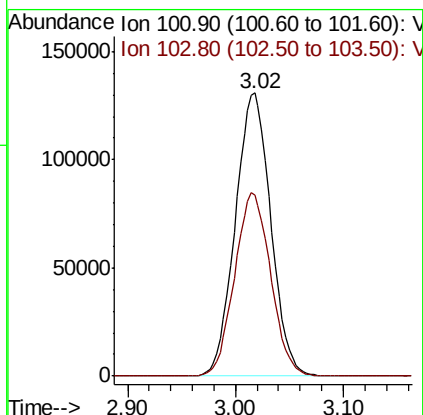
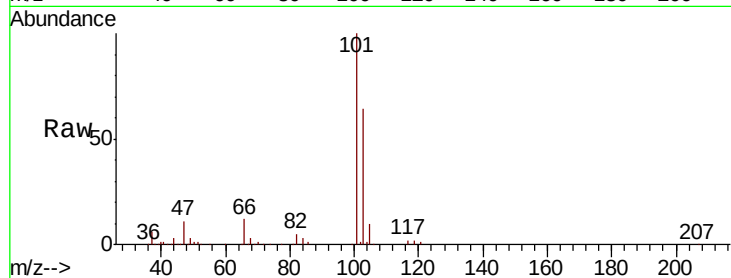


#7

Trichlorofluoromethane
 Concen: 20.153 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN1019WBS01

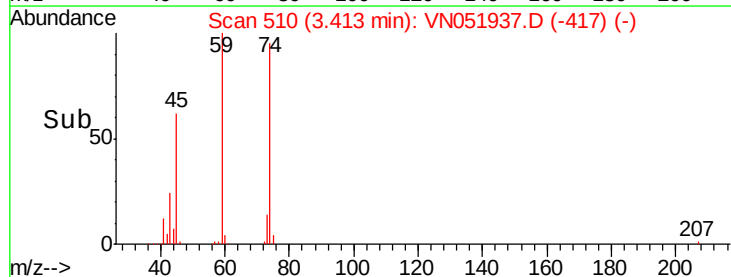
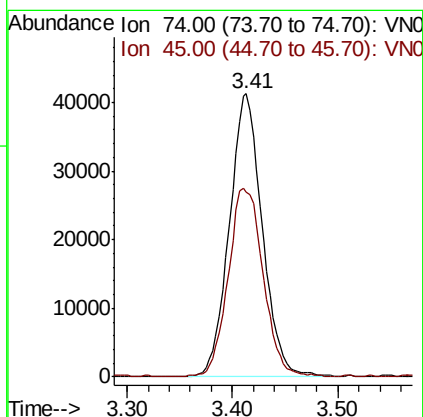
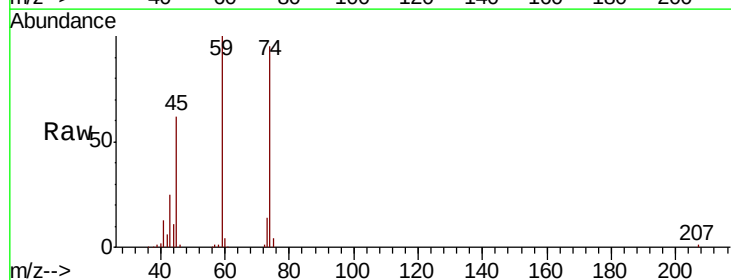
Tot Ion:101 Resp: 299594
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.8 76.2

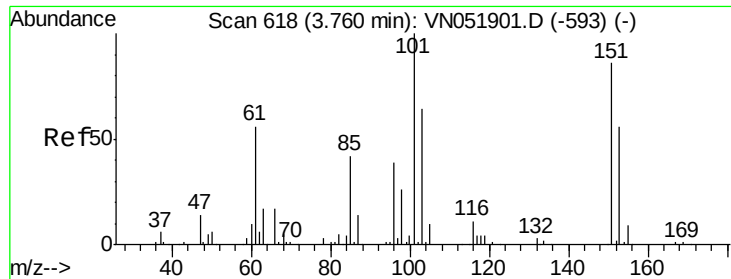


#8

Diethyl Ether
 Concen: 20.512 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 74 Resp: 89335
 Ion Ratio Lower Upper
 74 100
 45 70.9 36.8 110.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.746 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

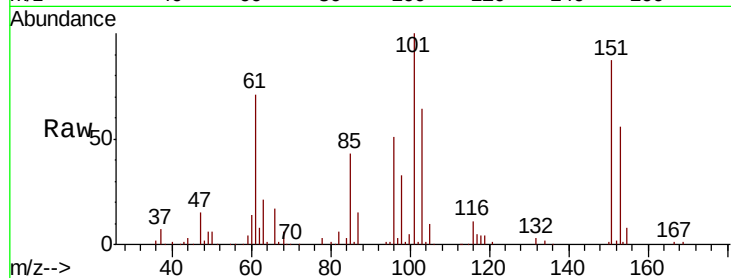
Tot Ion:101 Resp: 176959

Ion Ratio Lower Upper

101 100

85 44.0 34.8 52.2

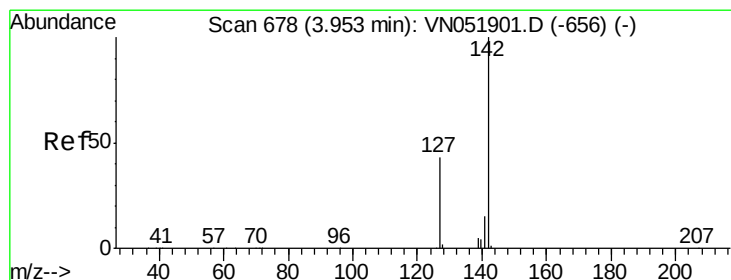
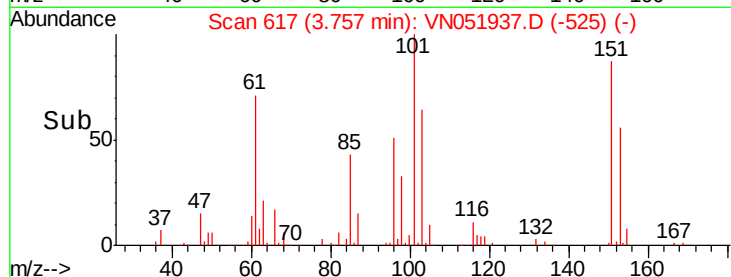
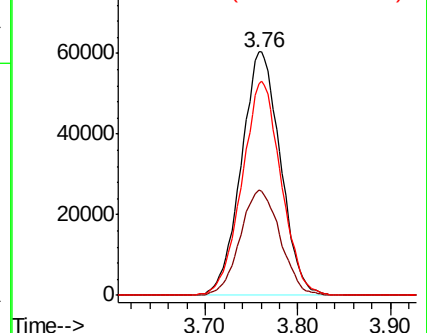
151 87.7 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.381 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

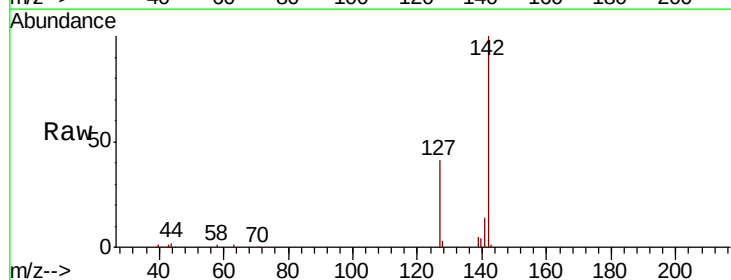
Tgt Ion:142 Resp: 205523

Ion Ratio Lower Upper

142 100

127 43.1 34.3 51.5

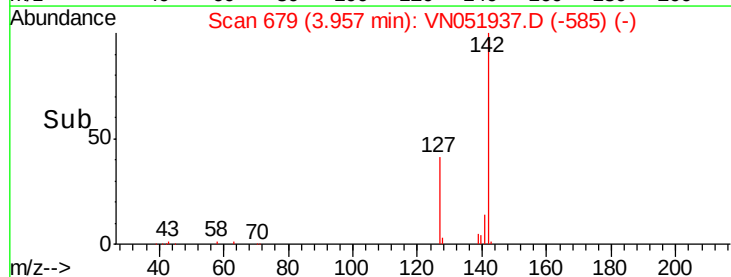
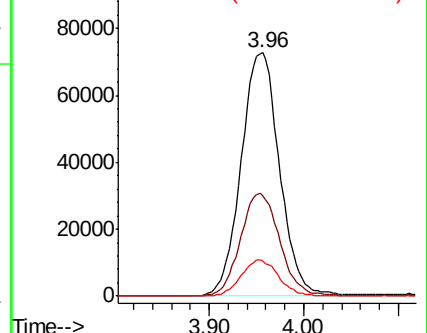
141 14.4 11.1 16.7

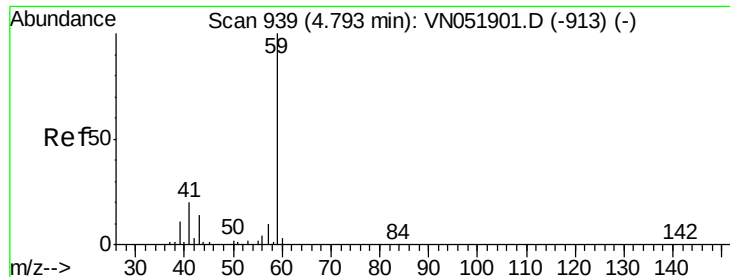


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



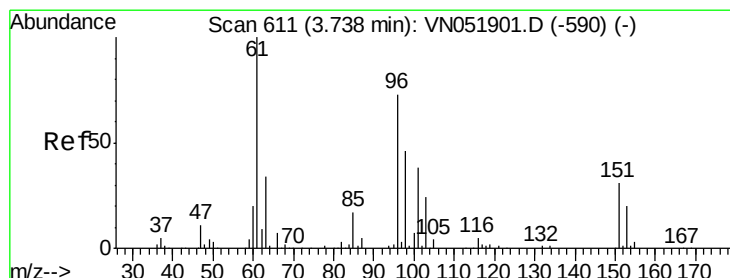
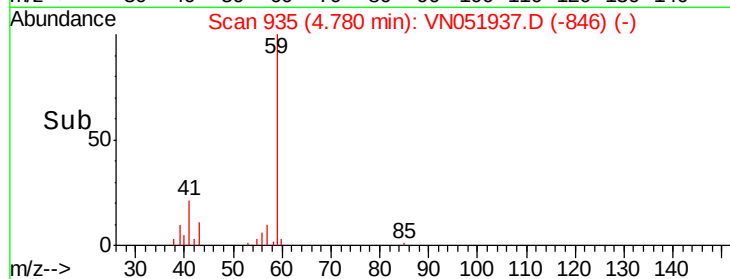
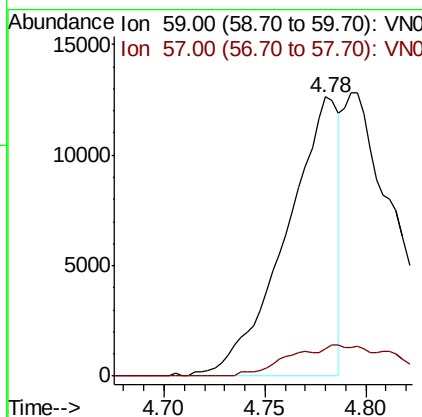
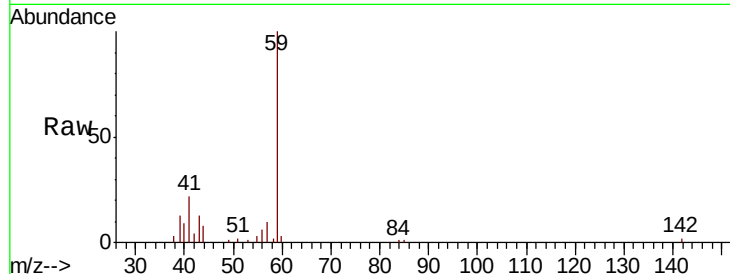


#11

Tert butyl alcohol
 Concen: 38.895 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

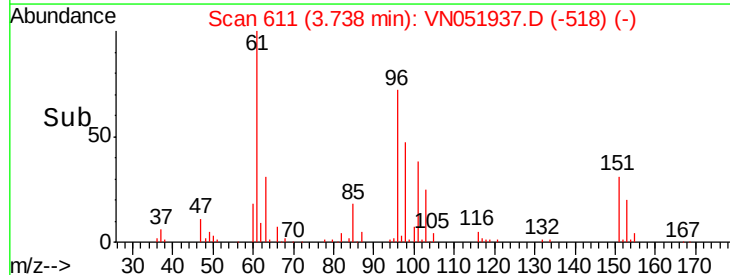
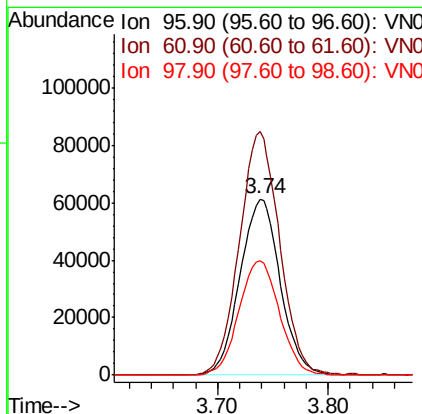
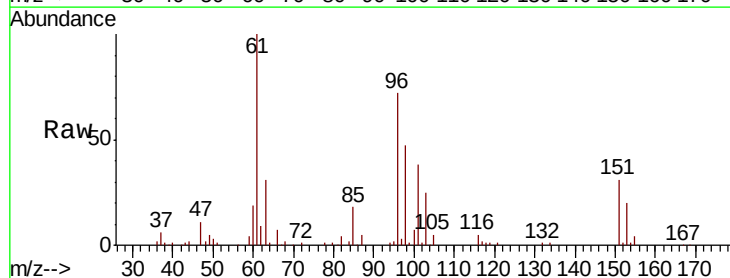
Tot Ion: 59 Resp: 22763
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

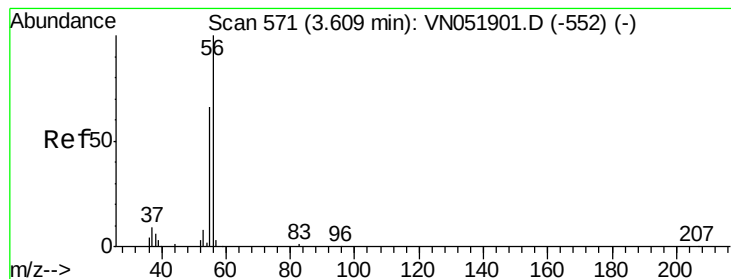


#12

1,1-Dichloroethene
 Concen: 19.925 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 96 Resp: 154921
 Ion Ratio Lower Upper
 96 100
 61 138.1 109.8 164.6
 98 64.7 50.9 76.3





#13

Acrolein

Concen: 60.139 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampled :

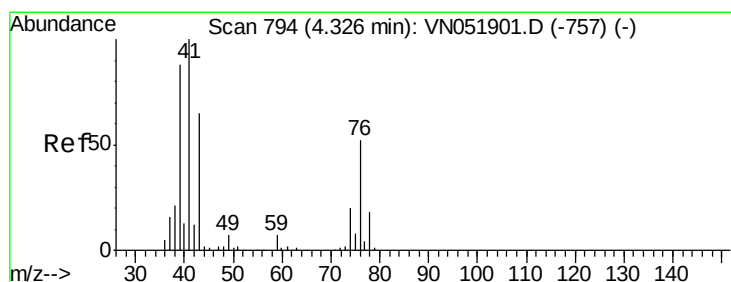
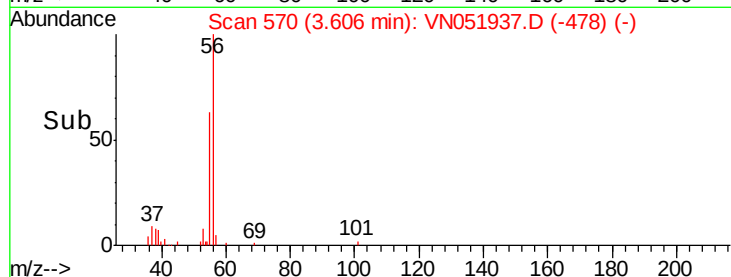
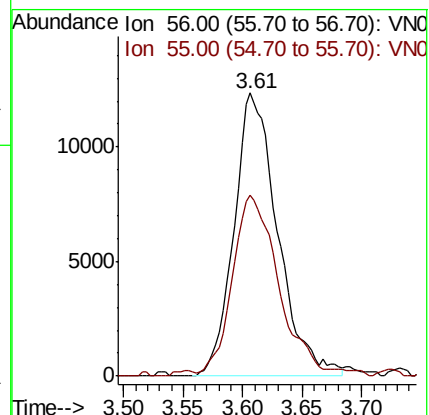
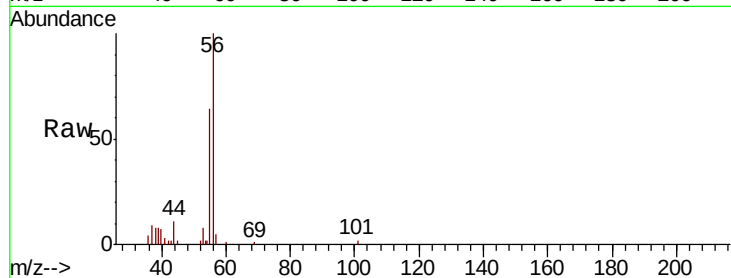
VN1019WBS01

Tot Ion: 56 Resp: 31391

Ion Ratio Lower Upper

56 100

55 65.1 56.7 85.1



#14

Allyl chloride

Concen: 19.036 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

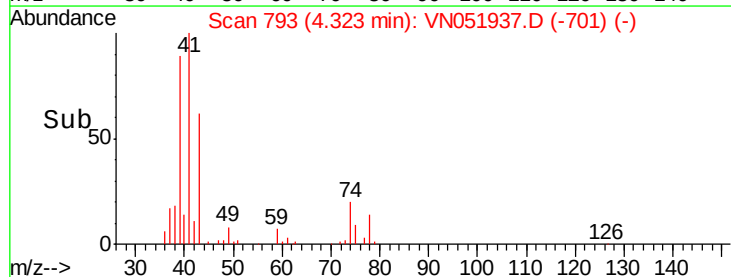
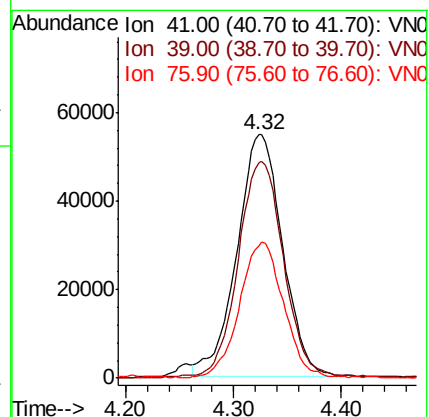
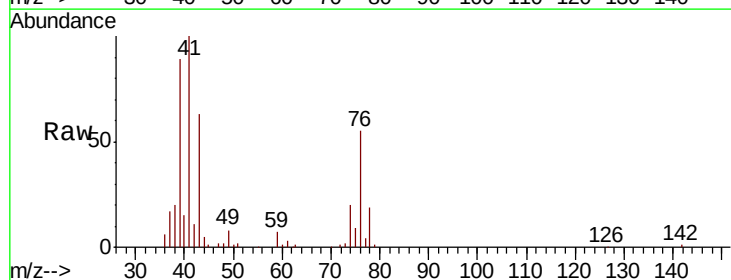
Tgt Ion: 41 Resp: 160302

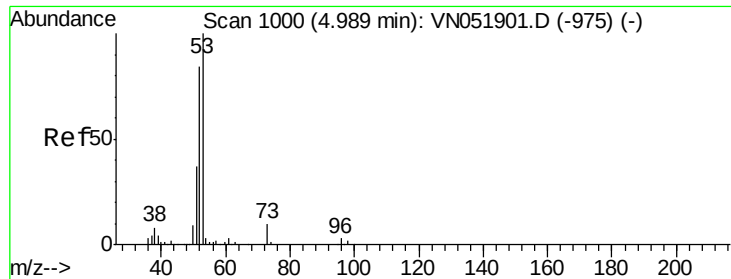
Ion Ratio Lower Upper

41 100

39 90.6 65.4 98.0

76 54.7 39.6 59.4





#15

Acrylonitrile

Concen: 93.774 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

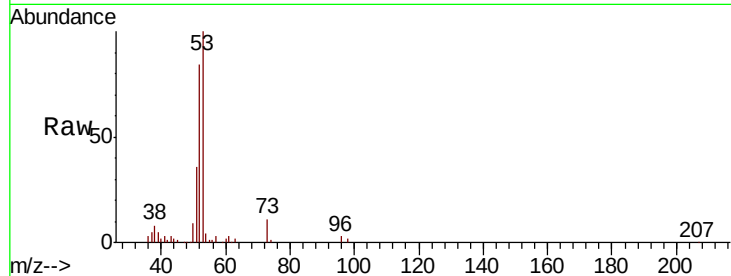
Tot Ion: 53 Resp: 200387

Ion Ratio Lower Upper

53 100

52 82.4 65.8 98.8

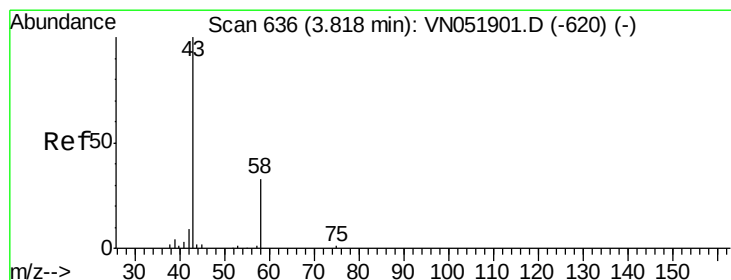
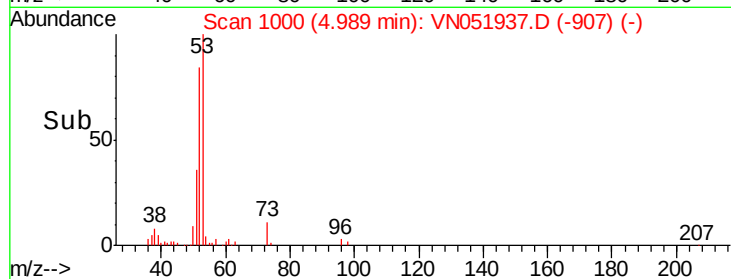
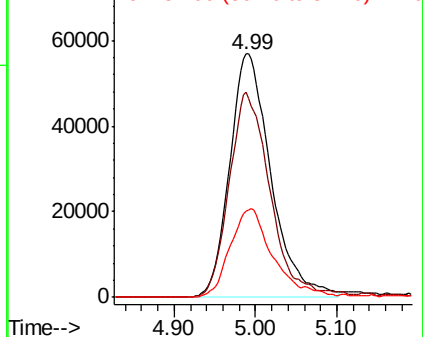
51 35.9 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 93.196 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051937.D

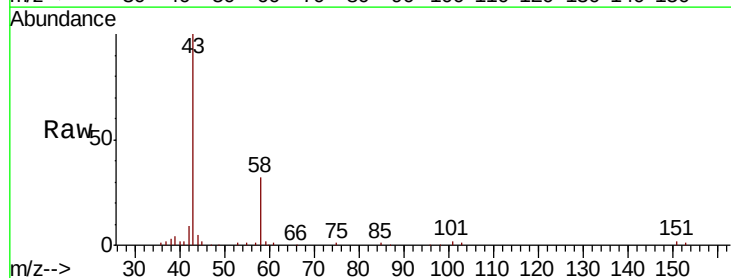
Acq: 19 Oct 2018 10:27

Tgt Ion: 43 Resp: 165284

Ion Ratio Lower Upper

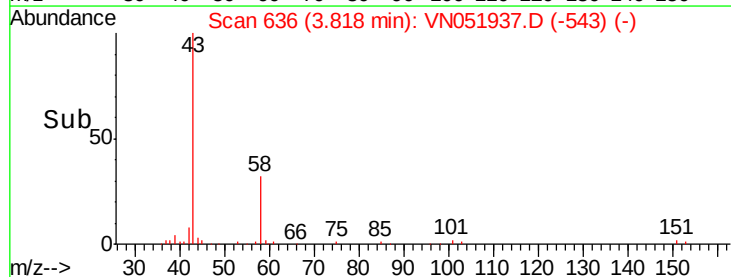
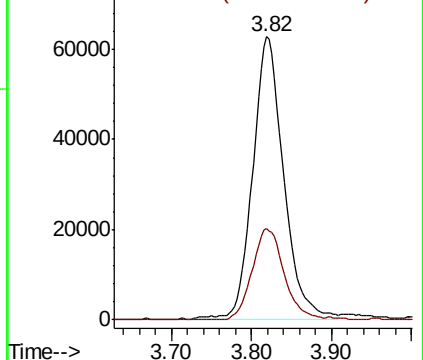
43 100

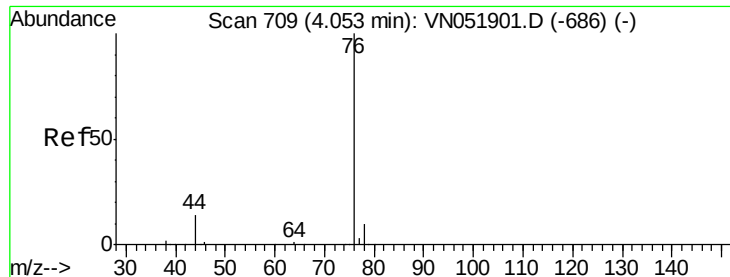
58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.731 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampled :

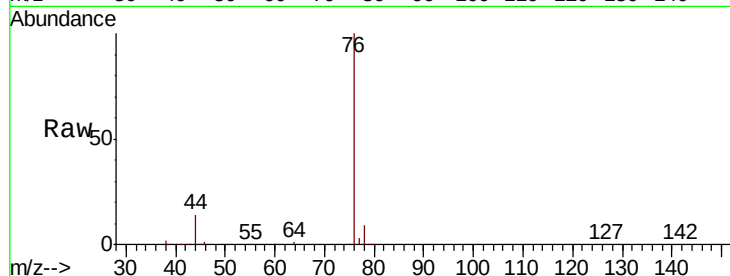
VN1019WBS01

Tot Ion: 76 Resp: 343725

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN051901.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN051901.D (-686) (-)

4.05

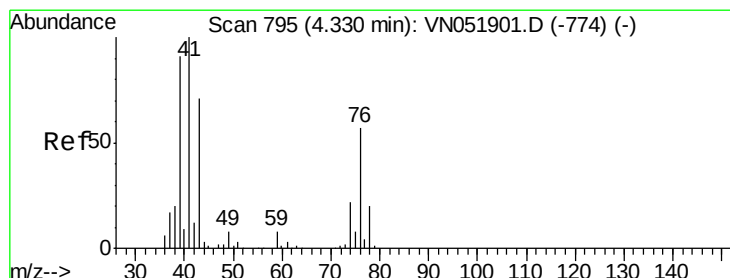
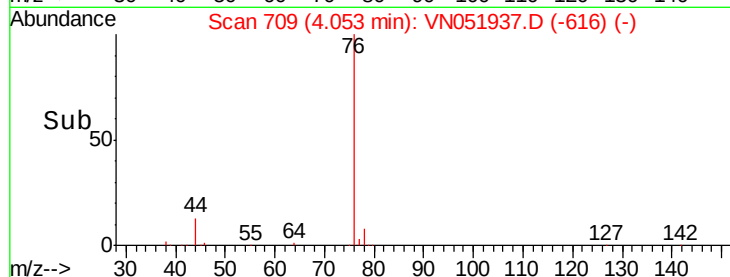
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.789 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051937.D

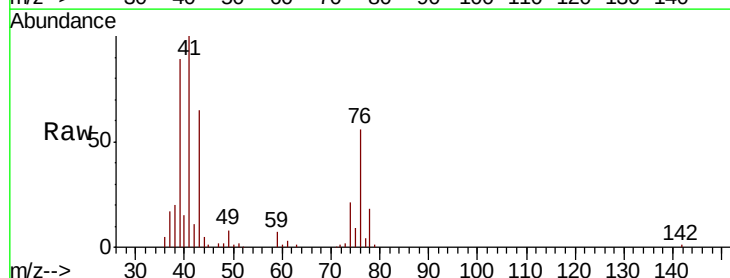
Acq: 19 Oct 2018 10:27

Tgt Ion: 43 Resp: 103287

Ion Ratio Lower Upper

43 100

74 31.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-774) (-)

Ion 74.00 (73.70 to 74.70): VN051901.D (-774) (-)

4.33

40000

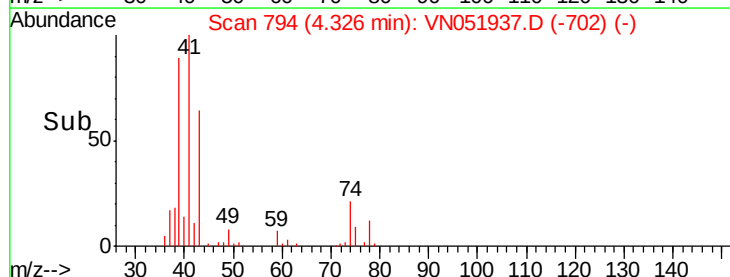
30000

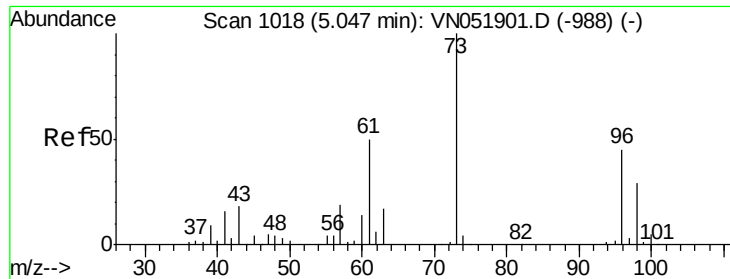
20000

10000

0

Time-->

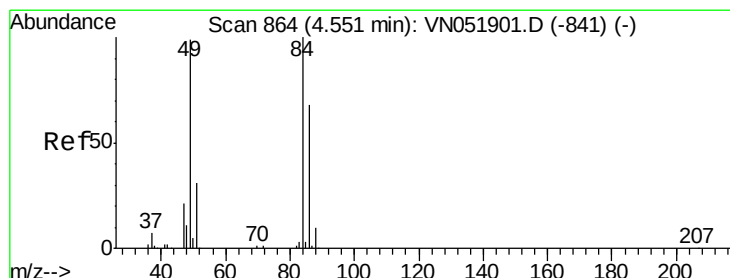
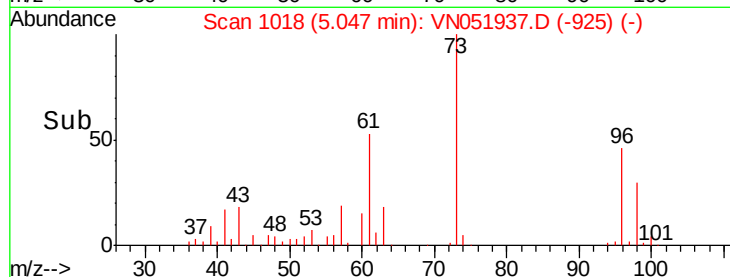
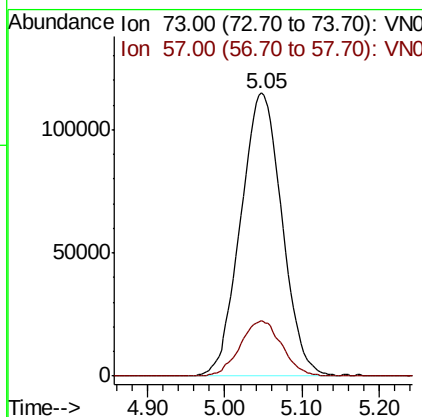
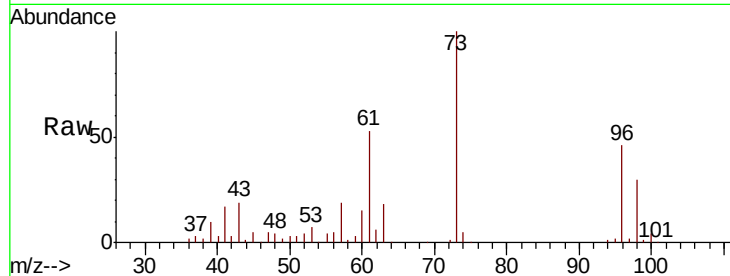




#19
Methvl tert-butyl Ether
Concen: 19.107 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

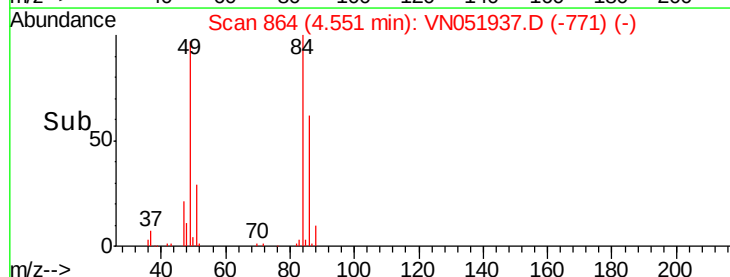
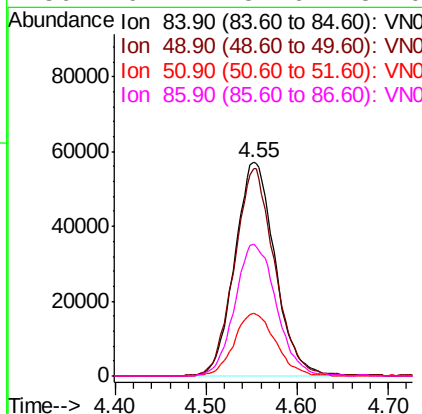
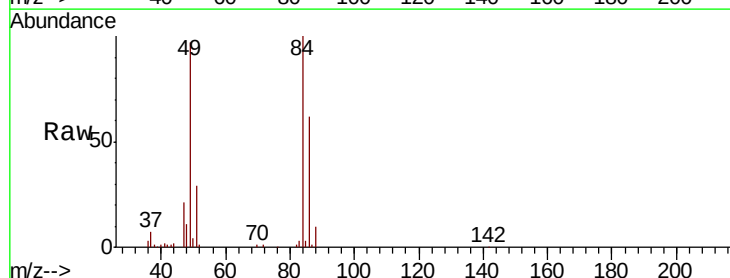
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBS01

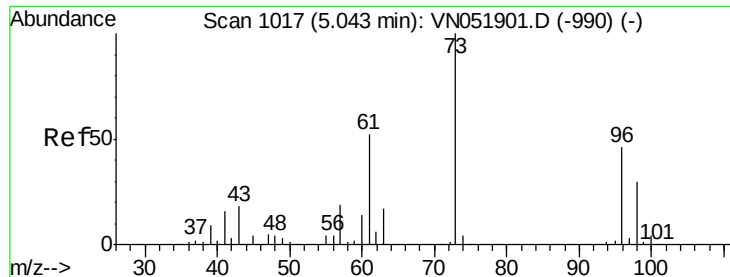
Tot Ion: 73 Resp: 428131
Ion Ratio Lower Upper
73 100
57 19.5 15.3 22.9



#20
Methylene Chloride
Concen: 19.453 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 84 Resp: 175378
Ion Ratio Lower Upper
84 100
49 96.6 79.0 118.4
51 29.3 24.9 37.3
86 61.7 54.6 82.0

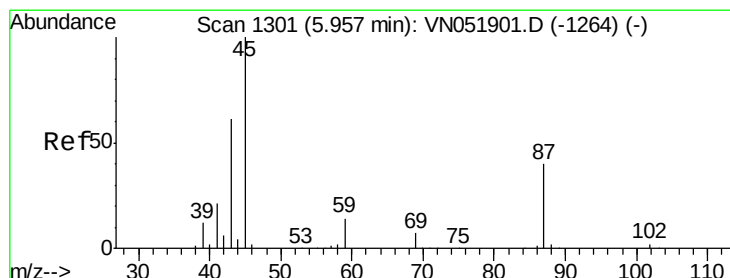
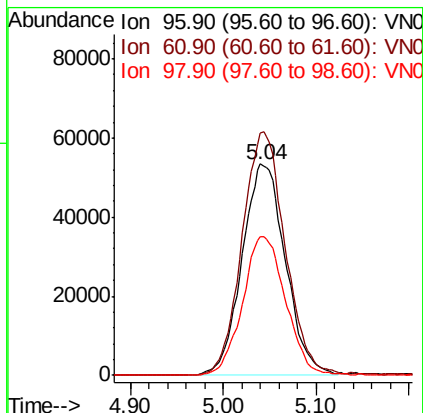
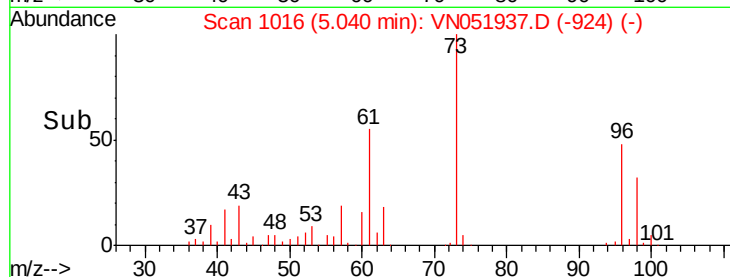
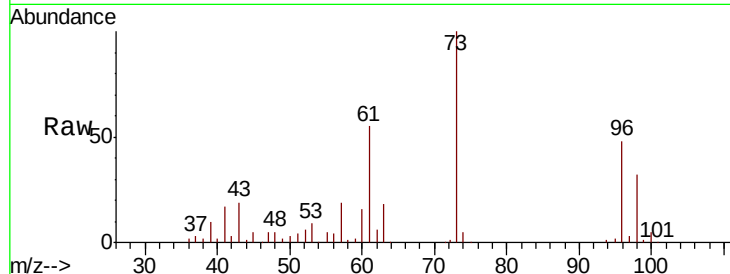




#21
trans-1,2-Dichloroethene
Concen: 19.426 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

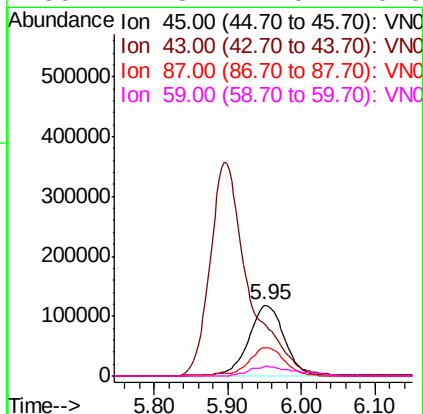
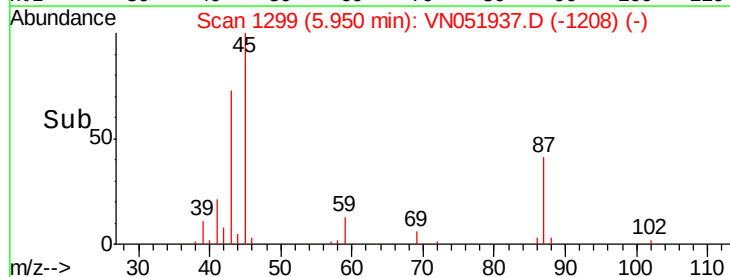
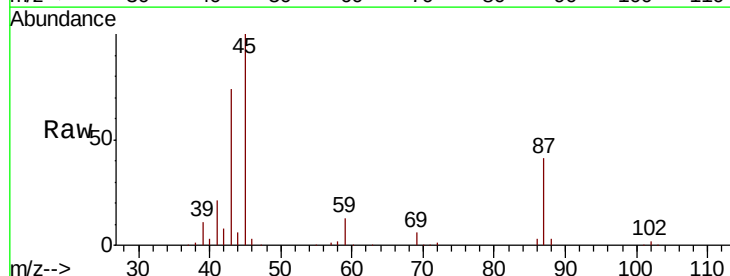
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBS01

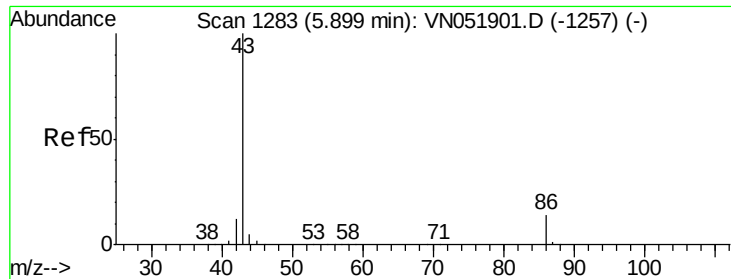
Tot Ion: 96 Resp: 173584
Ion Ratio Lower Upper
96 100
61 114.4 89.8 134.6
98 65.4 51.7 77.5



#22
Diisopropyl ether
Concen: 20.089 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 45 Resp: 394271
Ion Ratio Lower Upper
45 100
43 71.4 48.9 73.3
87 40.4 32.6 48.8
59 12.8 11.0 16.6

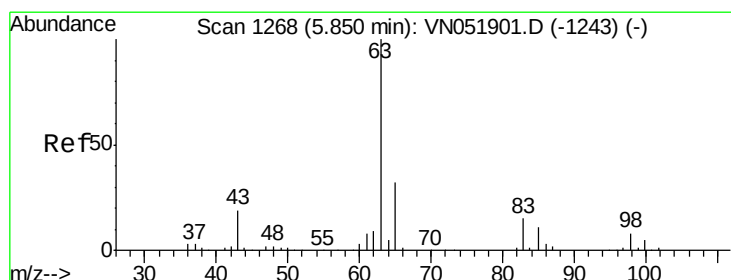
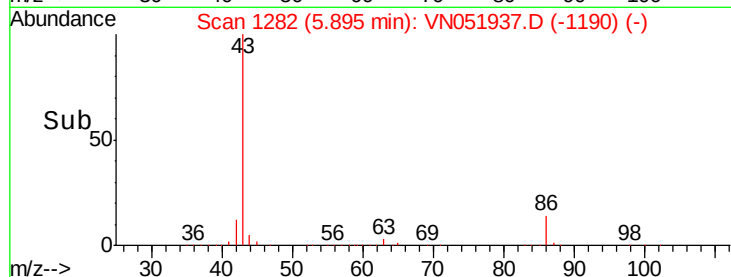
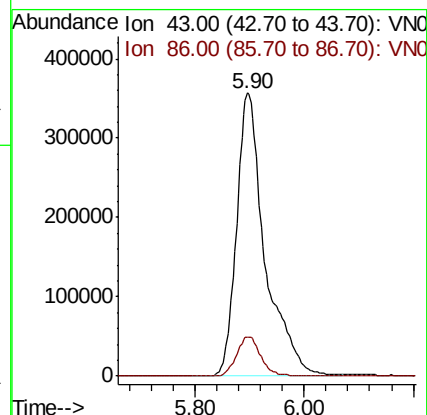
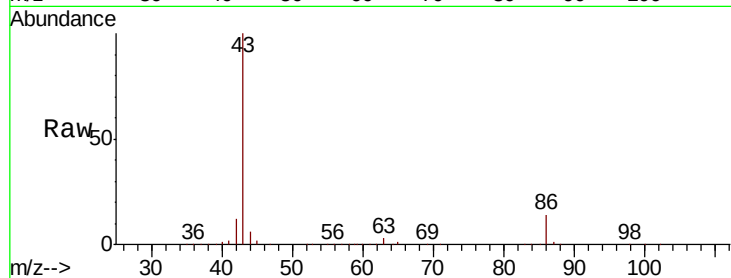




#23
 Vinyl Acetate
 Concen: 95.674 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

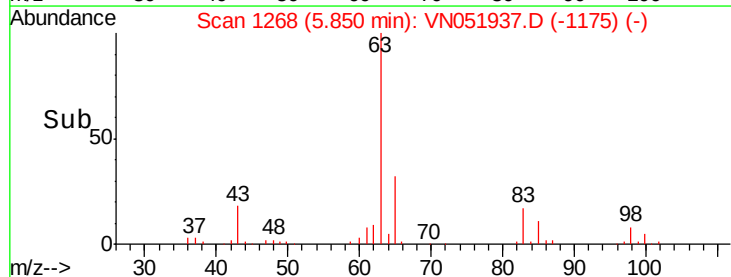
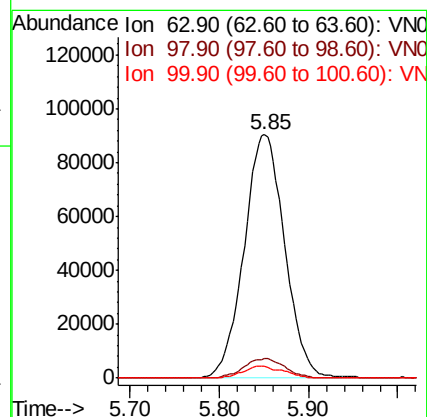
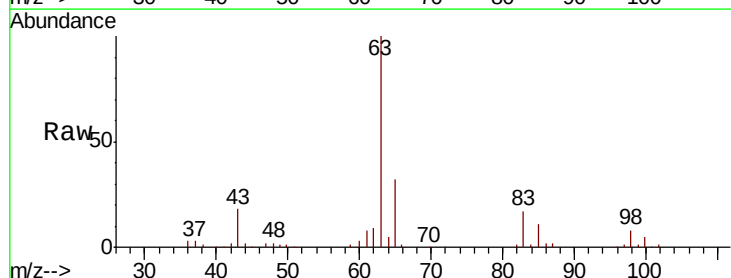
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

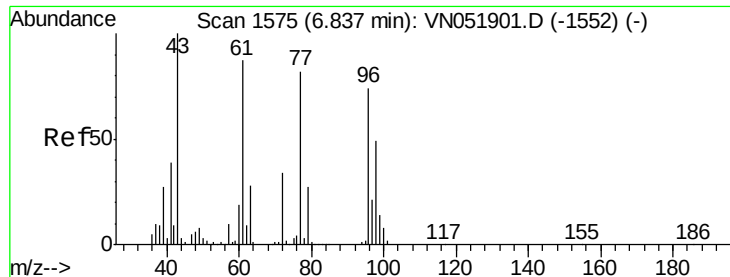
Tot Ion: 43 Resp: 1292734
 Ion Ratio Lower Upper
 43 100
 86 13.8 11.5 17.3



#24
 1,1-Dichloroethane
 Concen: 20.107 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 63 Resp: 285779
 Ion Ratio Lower Upper
 63 100
 98 8.1 4.0 12.0
 100 5.0 2.4 7.1





#25

2-Butanone

Concen: 93.719 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

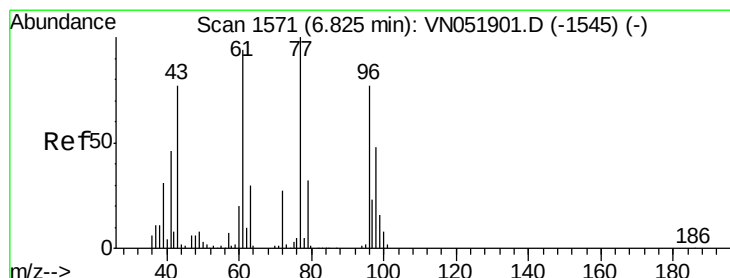
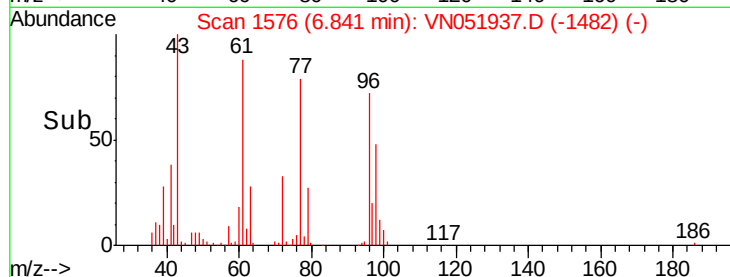
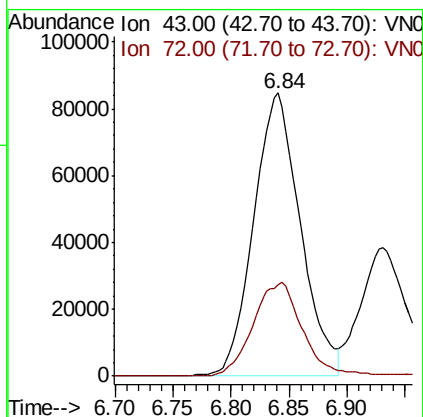
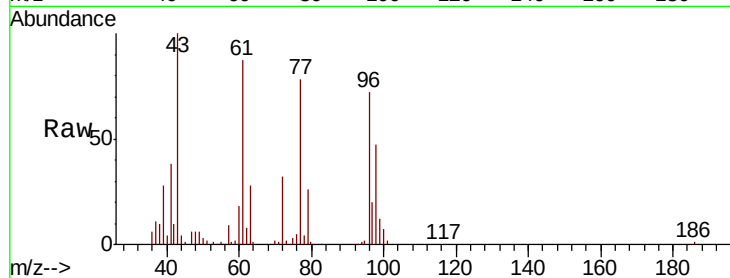
VN1019WBS01

Tot Ion: 43 Resp: 237546

Ion Ratio Lower Upper

43 100

72 32.5 27.0 40.6



#26

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051937.D

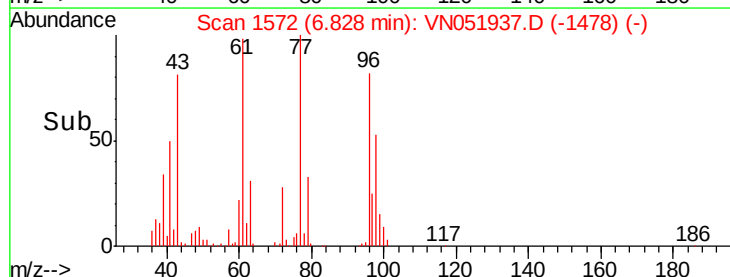
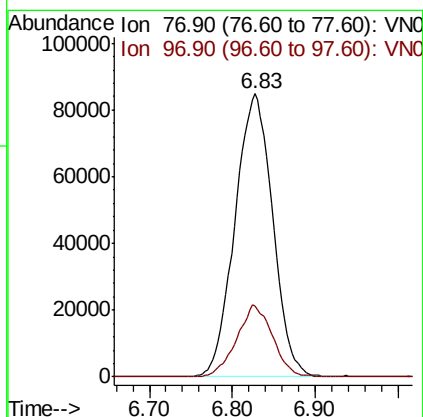
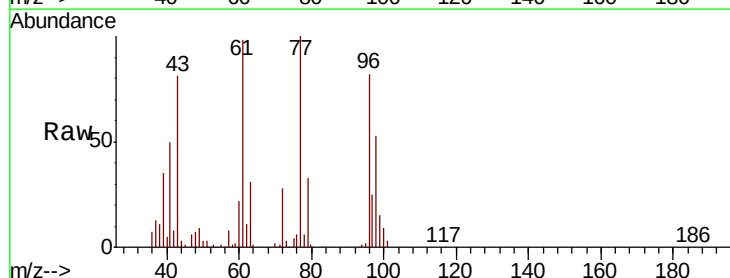
Acq: 19 Oct 2018 10:27

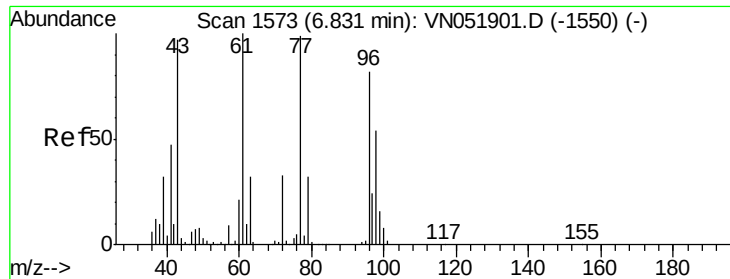
Tgt Ion: 77 Resp: 268415

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 20.016 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

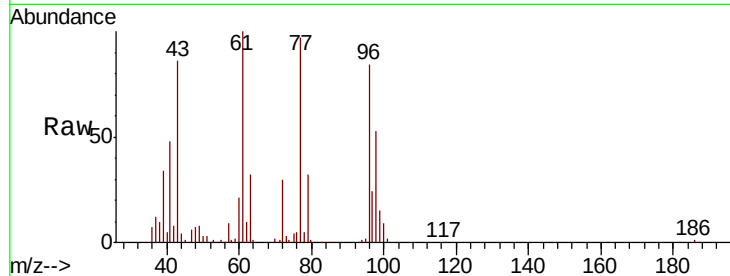
Tot Ion: 96 Resp: 207854

Ion Ratio Lower Upper

96 100

61 122.4 0.0 240.2

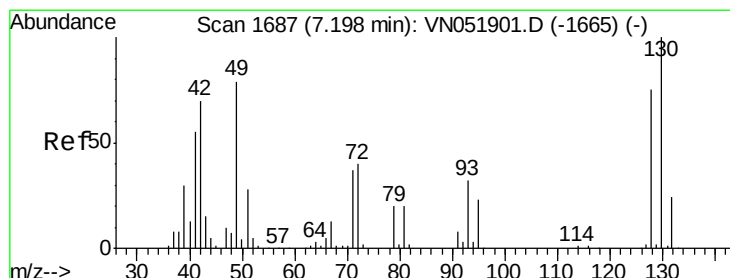
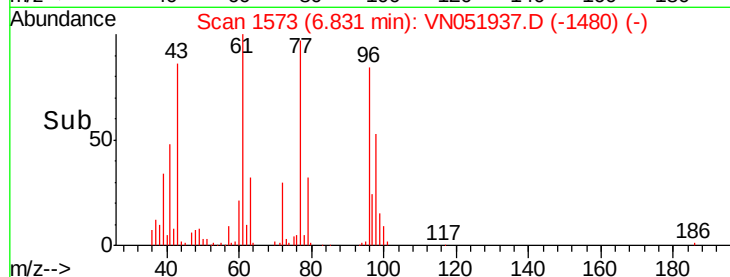
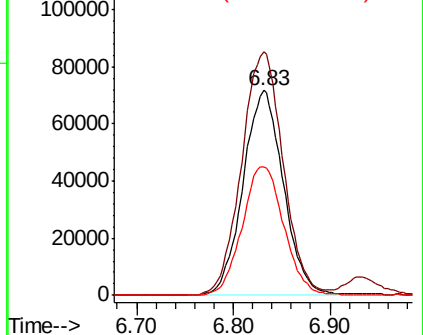
98 65.0 0.0 129.8



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: 19.960 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

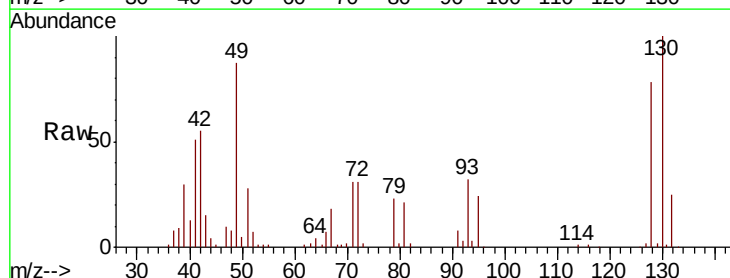
Tgt Ion: 49 Resp: 115198

Ion Ratio Lower Upper

49 100

129 1.5 0.0 6.0

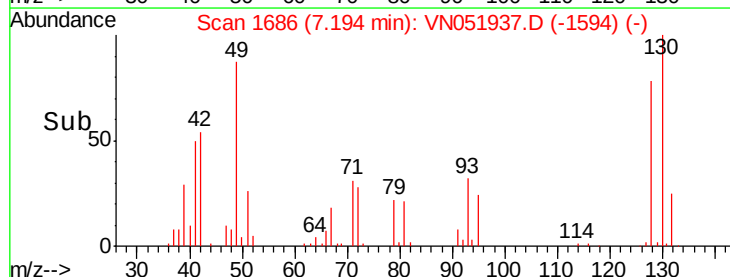
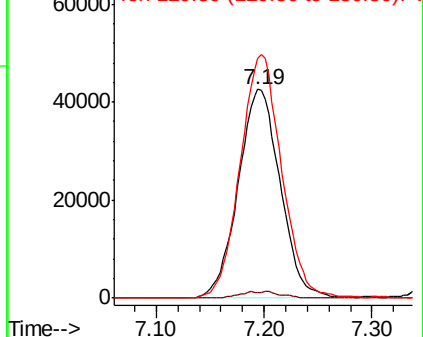
130 114.9 96.7 145.1

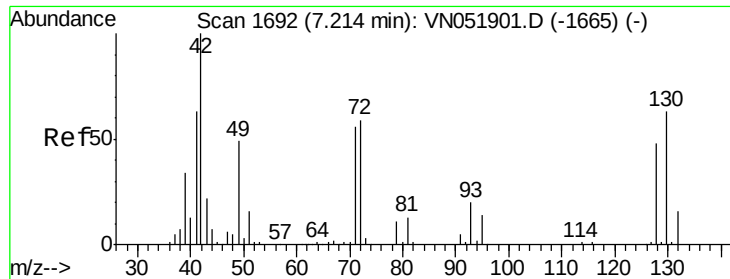


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

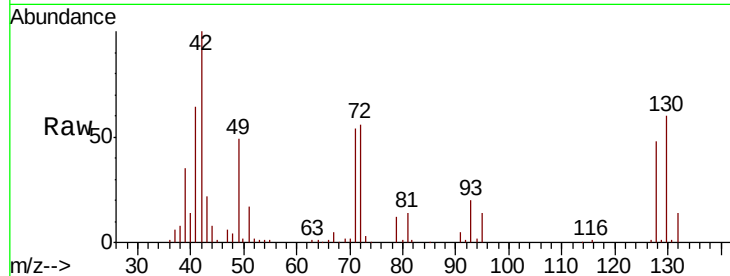




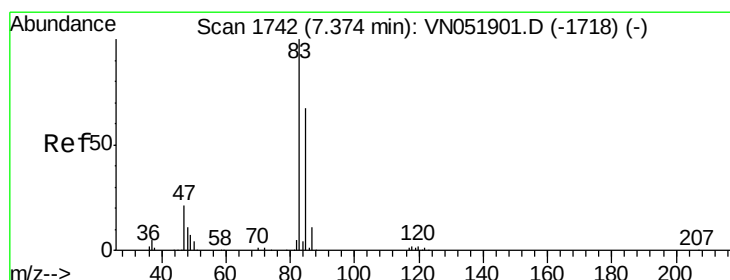
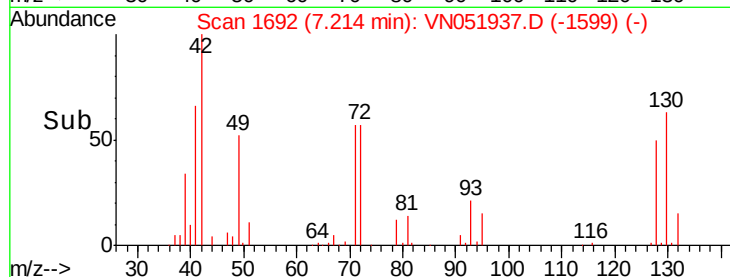
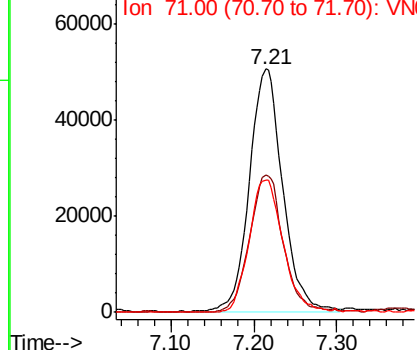
#29
Tetrahydrofuran
Concen: 91.728 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampled :
VN1019WBS01

Tot Ion: 42 Resp: 142006
Ion Ratio Lower Upper
42 100
72 57.1 47.7 71.5
71 55.2 45.4 68.0

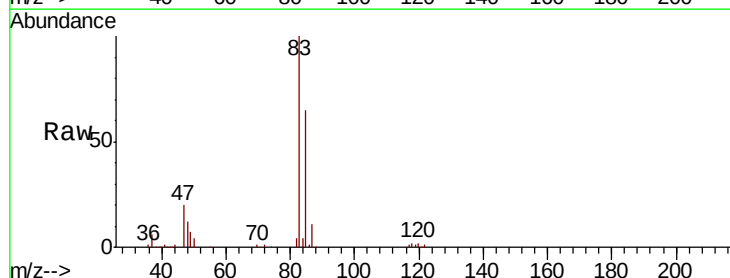


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

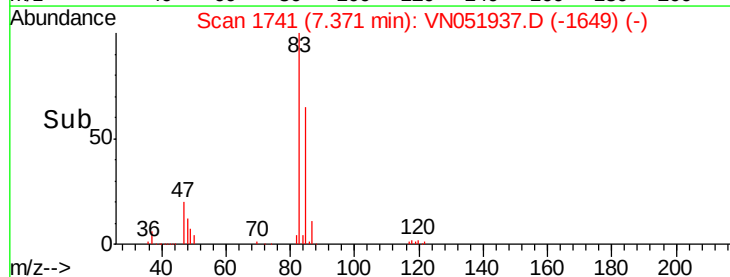
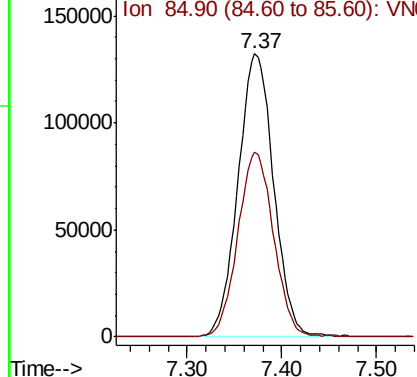


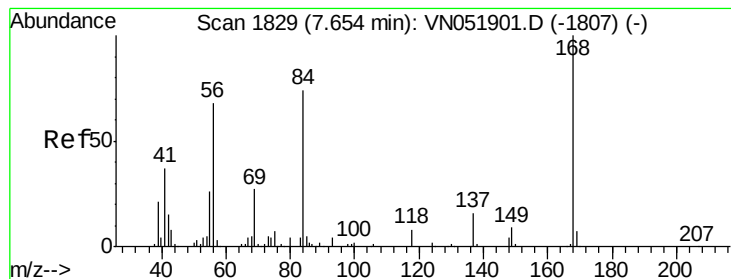
#30
Chloroform
Concen: 20.398 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 83 Resp: 346827
Ion Ratio Lower Upper
83 100
85 65.4 53.4 80.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.698 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

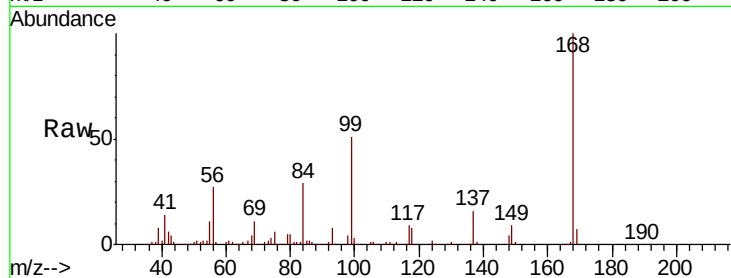
Tot Ion: 56 Resp: 246079

Ion Ratio Lower Upper

56 100

69 42.4 31.2 46.8

84 105.6 86.6 130.0

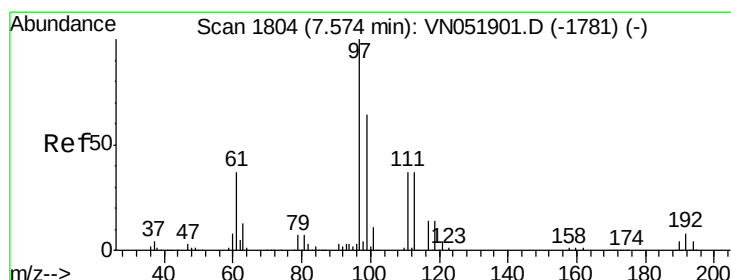
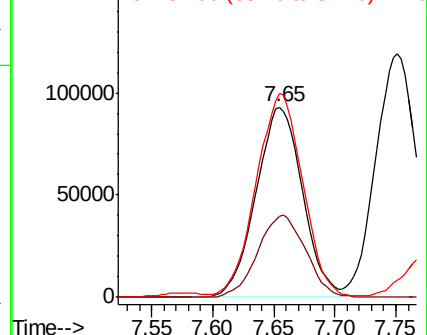
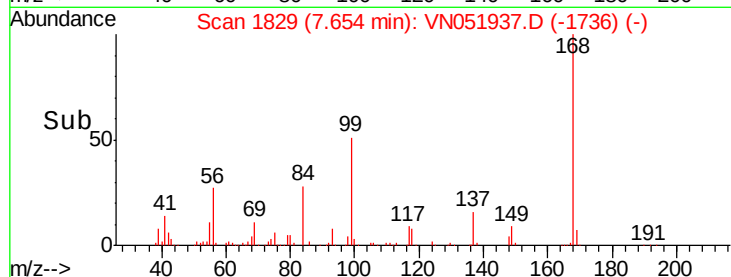


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.022 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

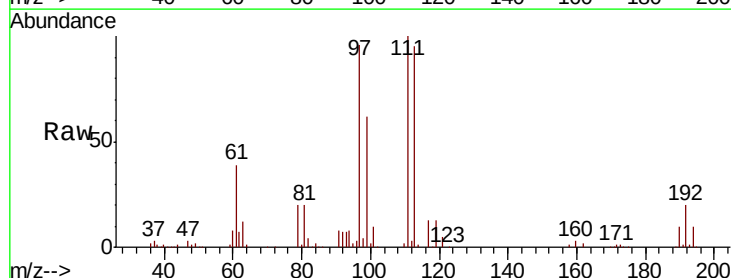
Tgt Ion: 97 Resp: 317532

Ion Ratio Lower Upper

97 100

99 64.4 51.3 76.9

61 39.2 29.8 44.6

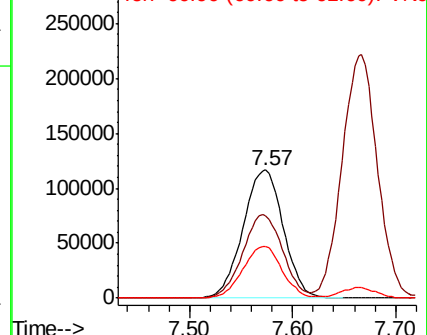
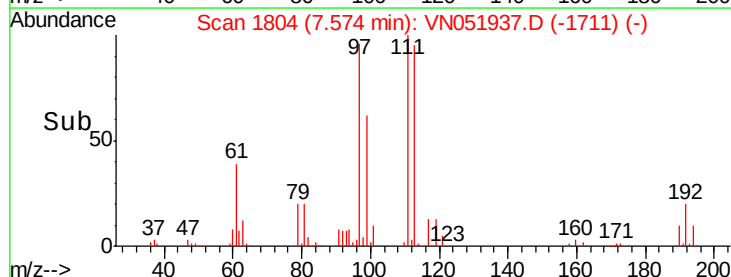


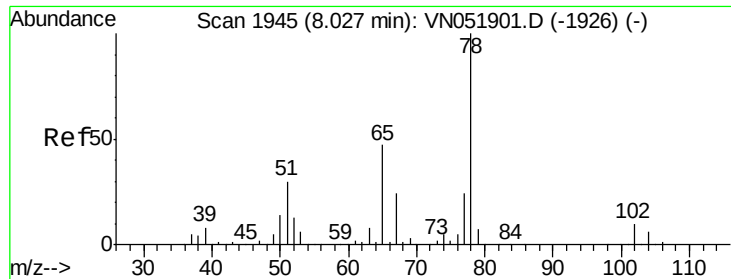
Abundance

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

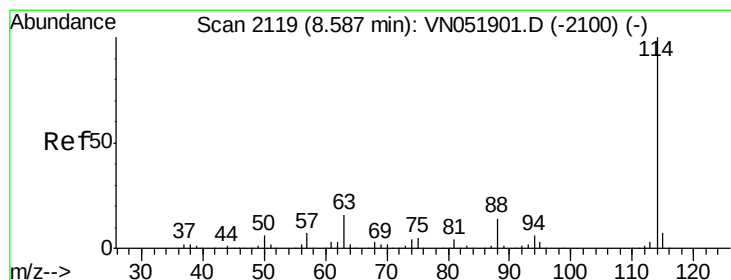
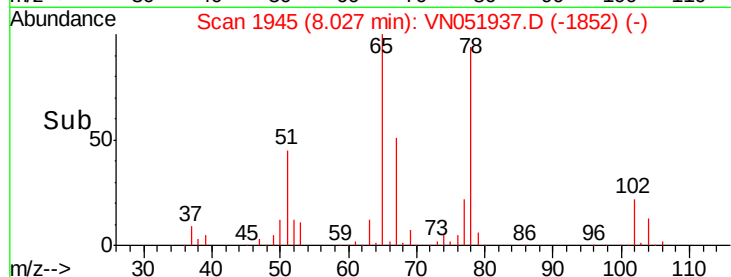
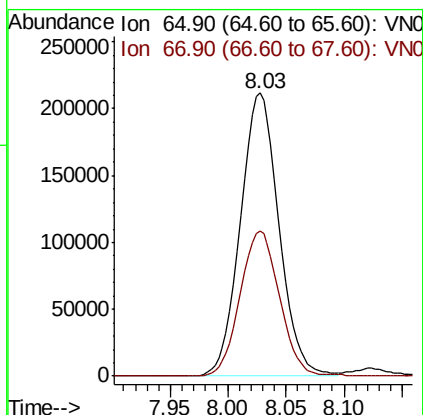
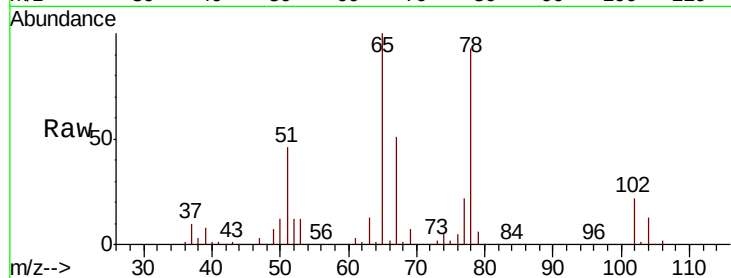




#33
 1,2-Dichloroethane-d4
 Concen: 20.022 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

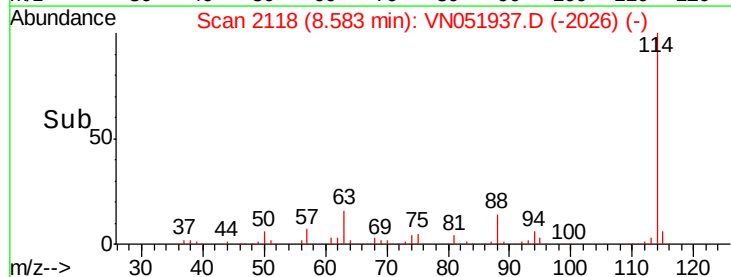
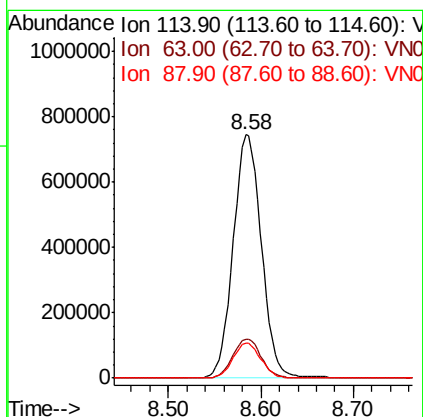
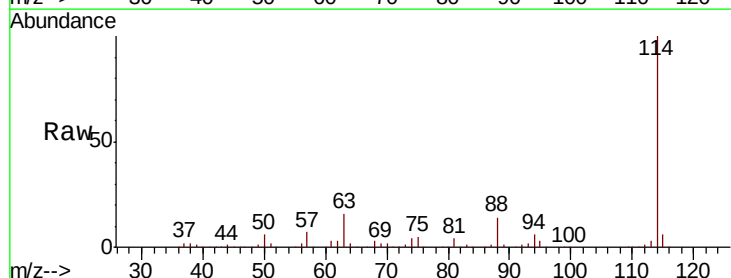
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

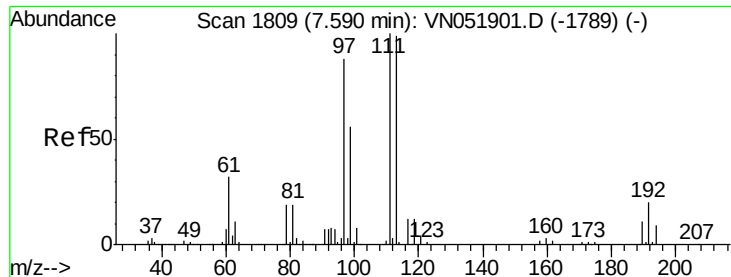
Tot Ion: 65 Resp: 489659
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 114 Resp: 1572580
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.8
 88 14.2 0.0 28.0

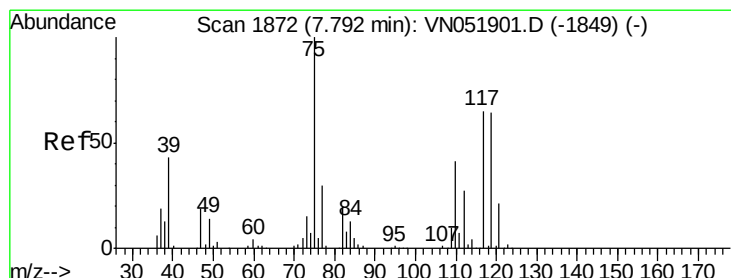
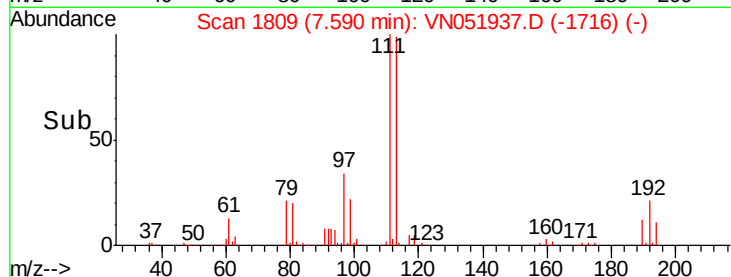
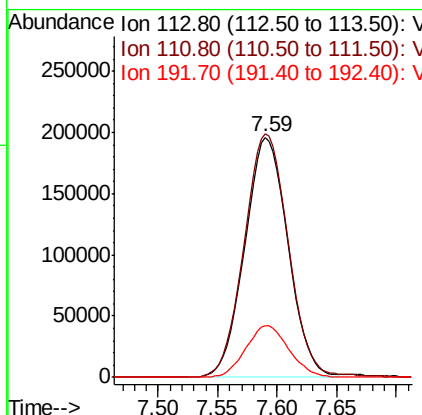
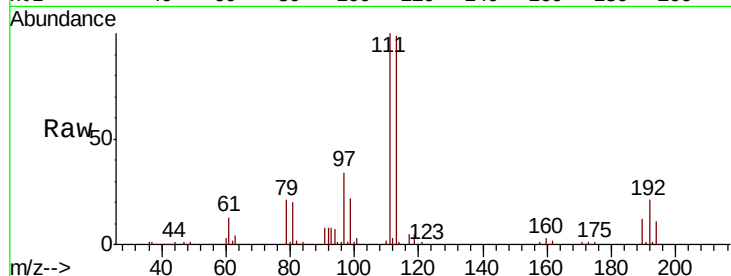




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

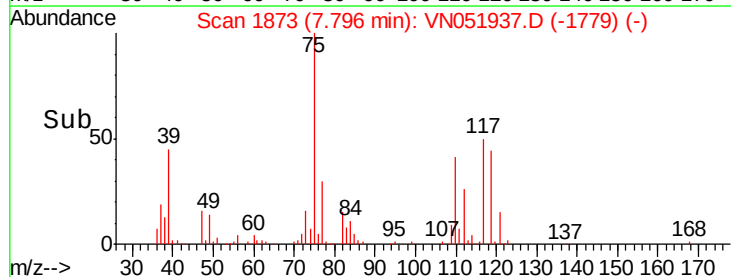
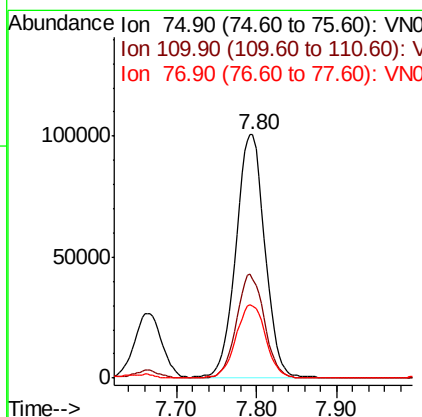
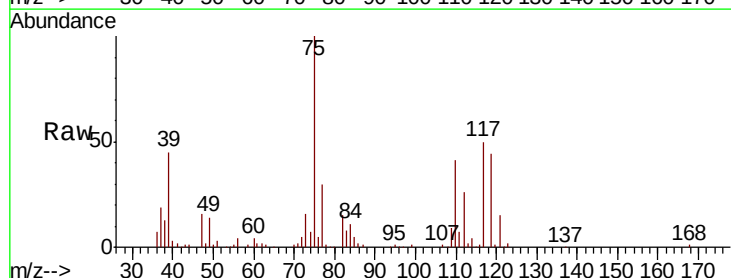
Instrument :
 MSVOA_N
 ClientSampled :
 VN1019WBS01

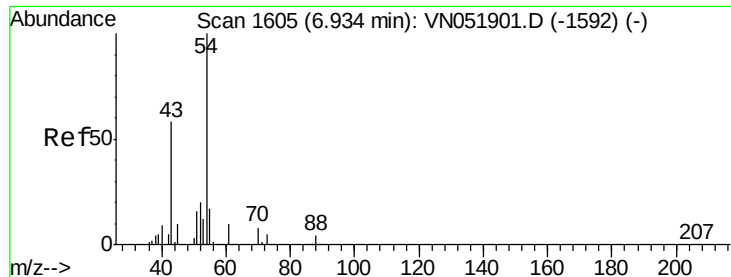
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	21.6	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 20.021 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.2	21.0	63.0
77	31.2	24.9	37.3

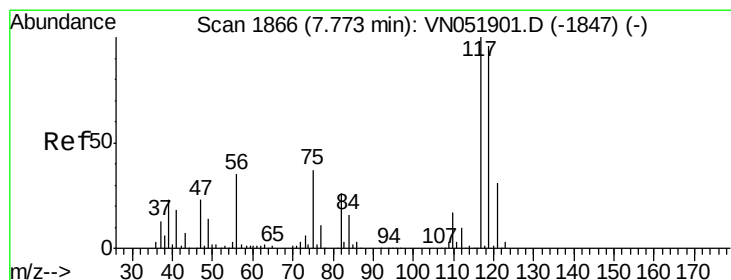
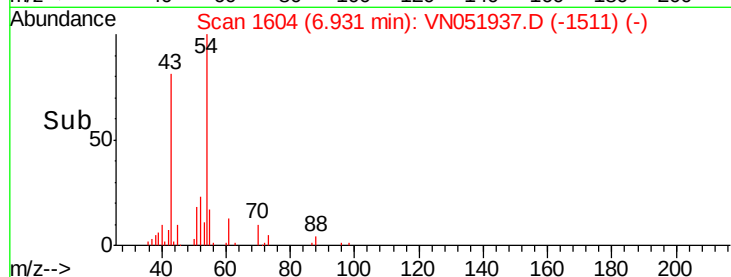
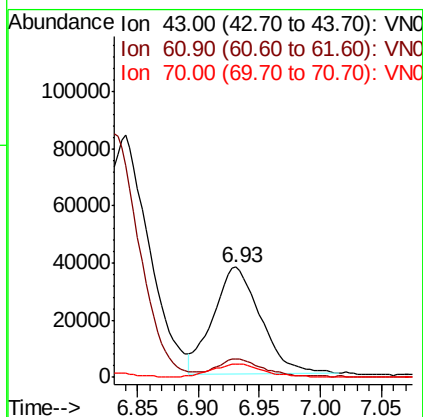
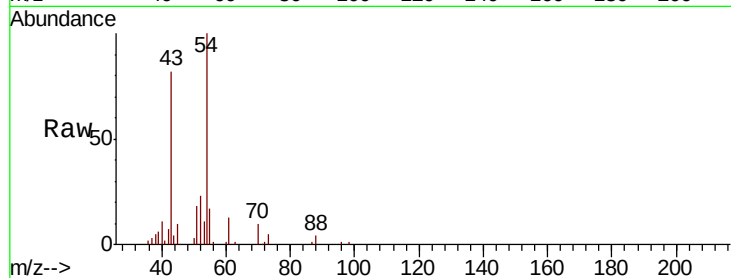




#37
Ethyl Acetate
Concen: 17.264 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

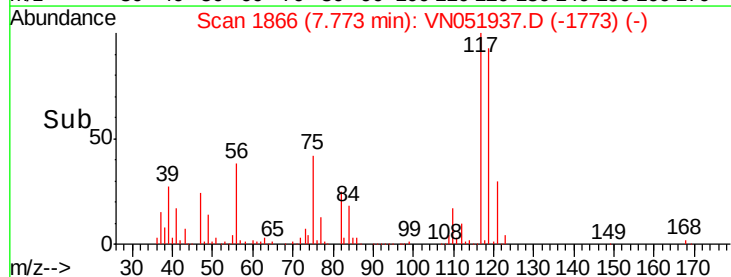
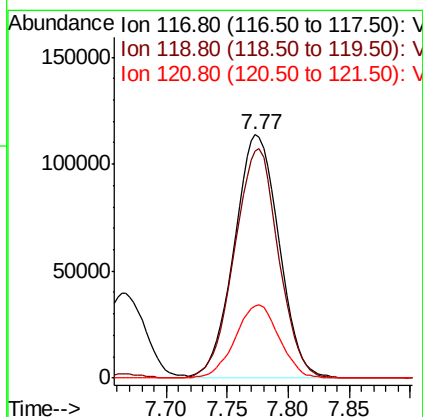
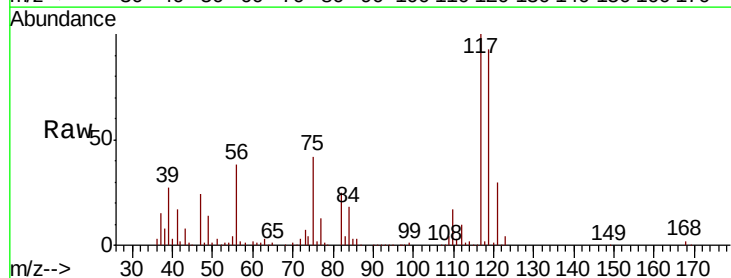
Instrument :
MSVOA_N
ClientSampled :
VN1019WBS01

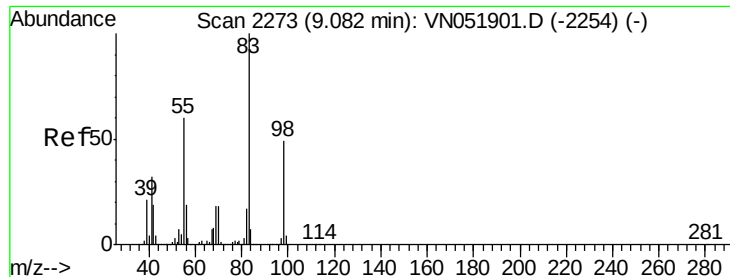
Tot Ion: 43 Resp: 101771
Ion Ratio Lower Upper
43 100
61 15.7 13.0 19.6
70 13.3 10.4 15.6



#38
Carbon Tetrachloride
Concen: 19.963 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 117 Resp: 286941
Ion Ratio Lower Upper
117 100
119 93.2 77.0 115.6
121 29.7 25.1 37.7

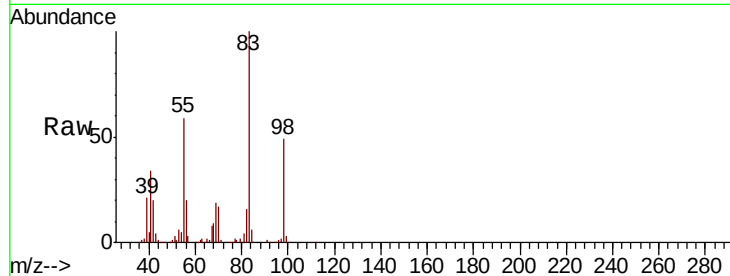




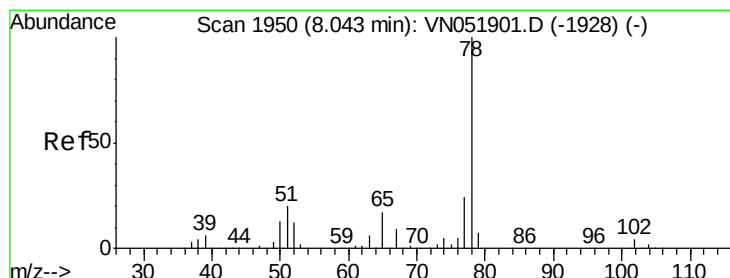
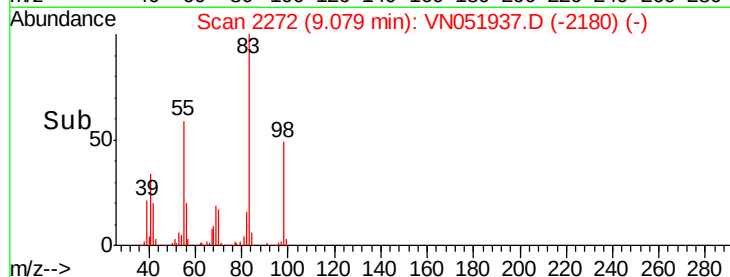
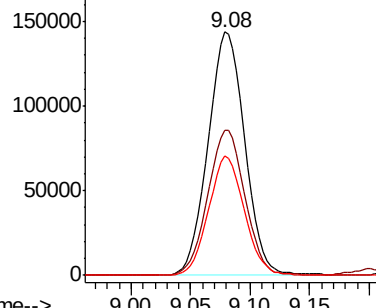
#39
Methylvlcyclohexane
Concen: 20.333 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBS01

Tot Ion: 83 Resp: 307310
Ion Ratio Lower Upper
83 100
55 59.4 47.8 71.8
98 48.8 39.0 58.4

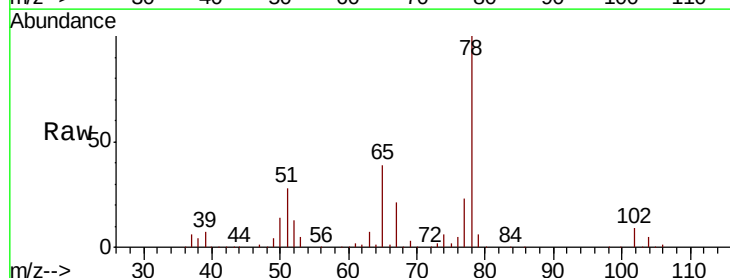


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

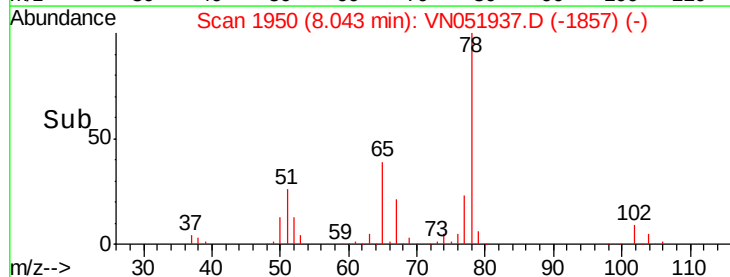
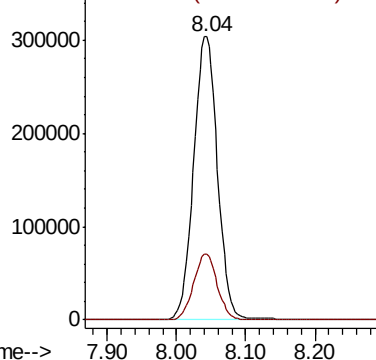


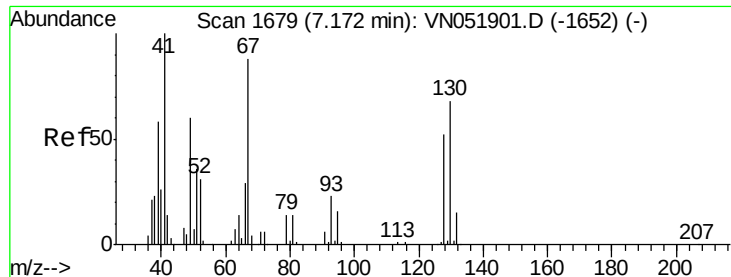
#40
Benzene
Concen: 20.461 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 78 Resp: 729568
Ion Ratio Lower Upper
78 100
77 23.2 18.9 28.3



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

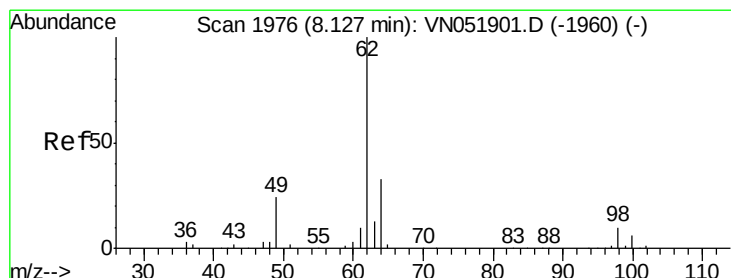
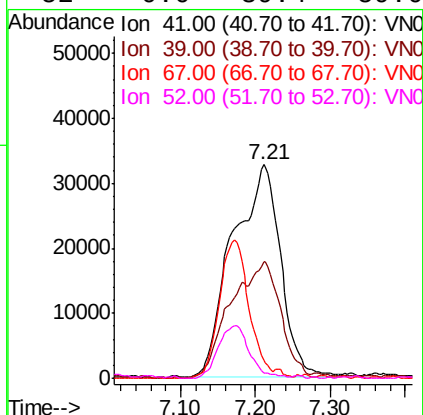
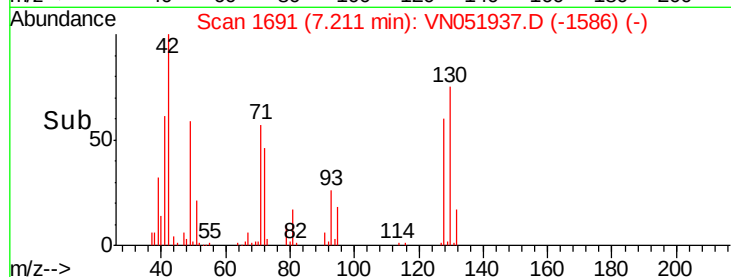
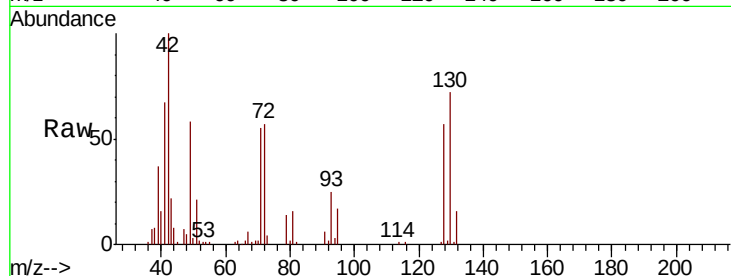




#41
Methacrylonitrile
Concen: 52.722 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

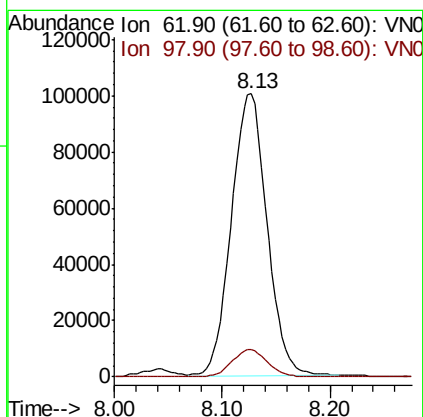
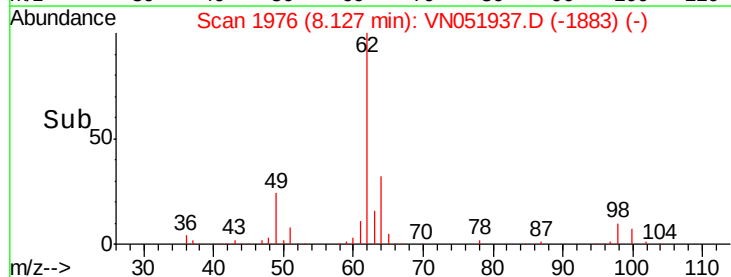
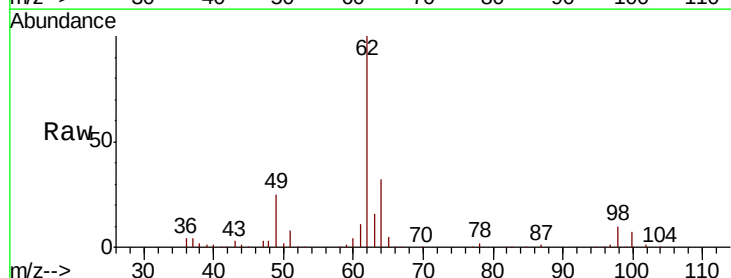
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBS01

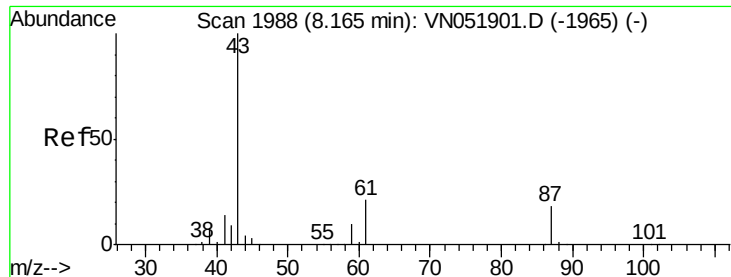
Tot Ion: 41 Resp: 146164
Ion Ratio Lower Upper
41 100
39 0.0 56.1 84.1#
67 0.0 106.5 159.7#
52 0.0 39.4 59.0#



#42
1,2-Dichloroethane
Concen: 20.170 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 62 Resp: 230401
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.6





#43

Isopropyl Acetate

Concen: 17.625 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

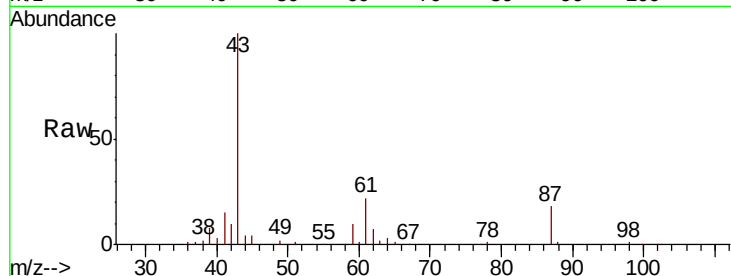
Tot Ion: 43 Resp: 205210

Ion Ratio Lower Upper

43 100

61 21.0 24.9 37.3#

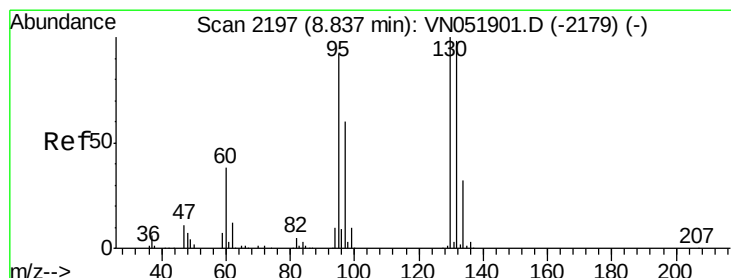
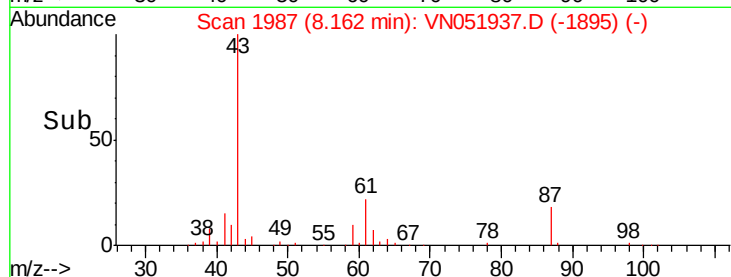
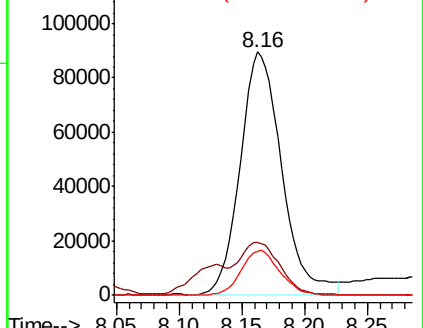
87 17.5 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051901.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051901.D (-1965) (-)



#44

Trichloroethene

Concen: 20.171 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051937.D

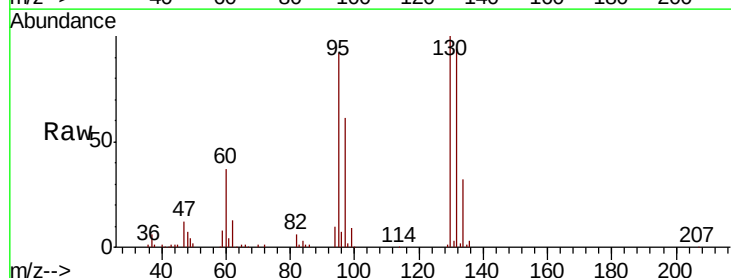
Acq: 19 Oct 2018 10:27

Tgt Ion:130 Resp: 225702

Ion Ratio Lower Upper

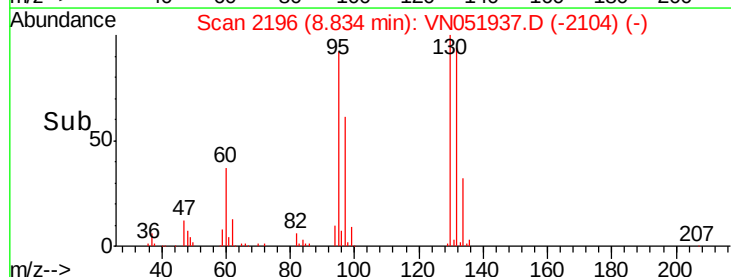
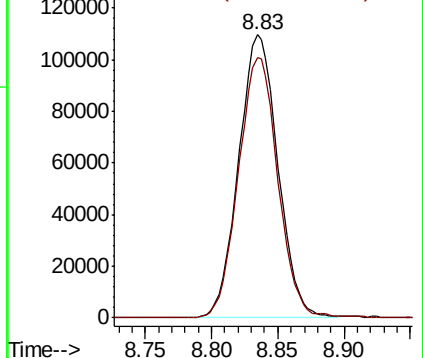
130 100

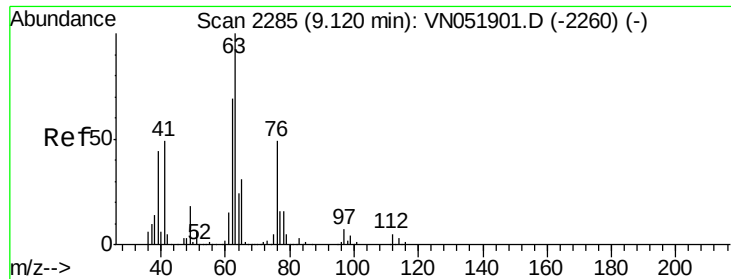
95 91.9 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): VN051901.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051901.D (-2179) (-)

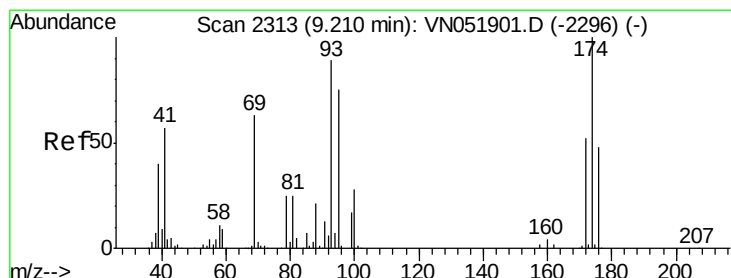
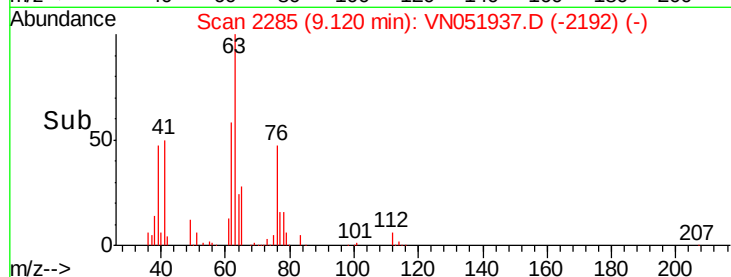
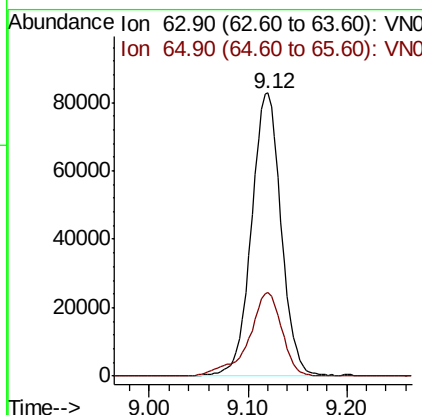
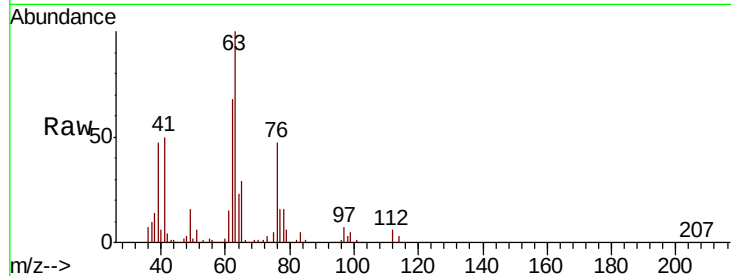




#45
 1,2-Dichloropropane
 Concen: 20.776 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

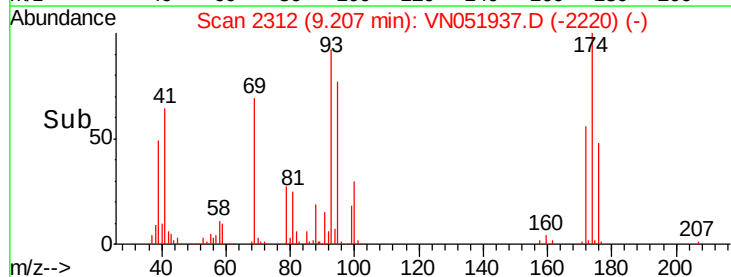
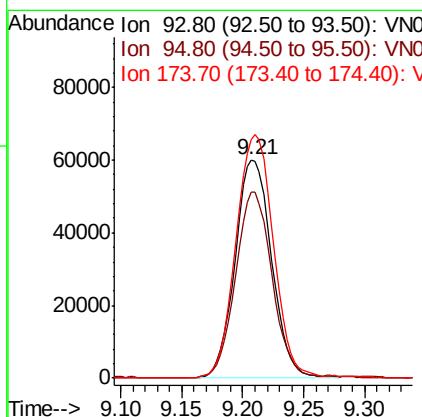
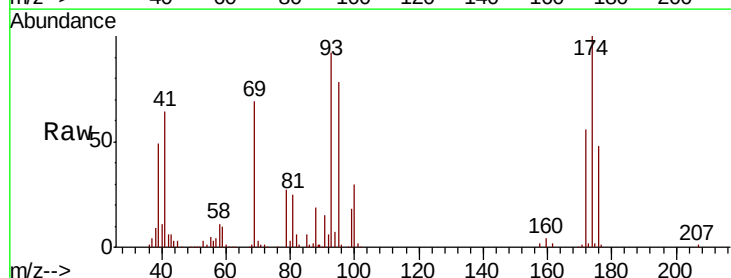
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

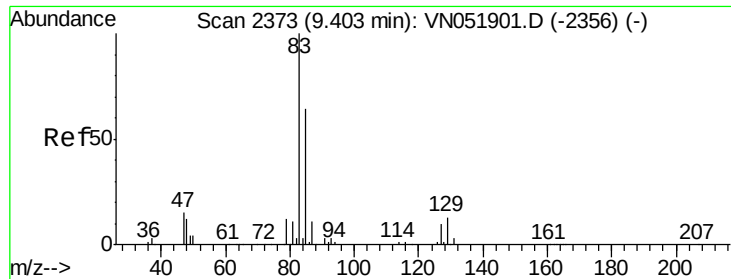
Tot Ion: 63 Resp: 171296
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.9 37.3



#46
 Dibromomethane
 Concen: 19.818 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 93 Resp: 124547
 Ion Ratio Lower Upper
 93 100
 95 85.2 67.8 101.6
 174 114.2 91.9 137.9

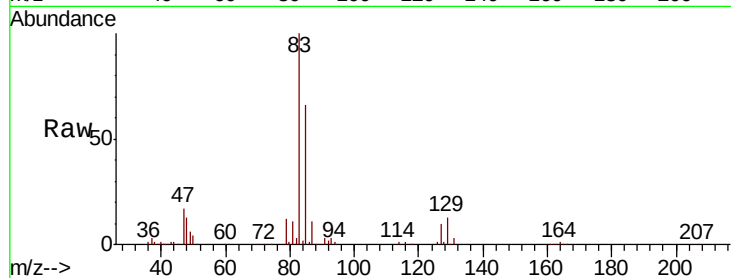




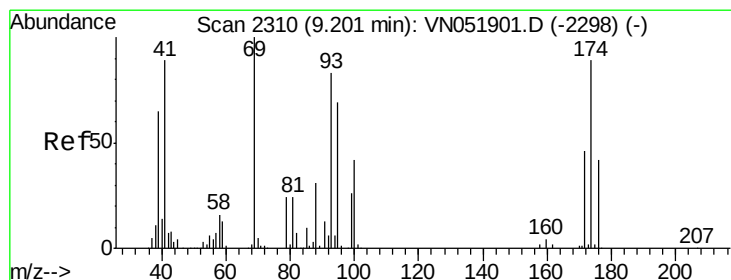
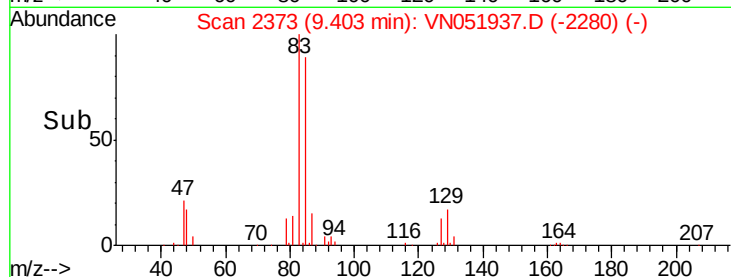
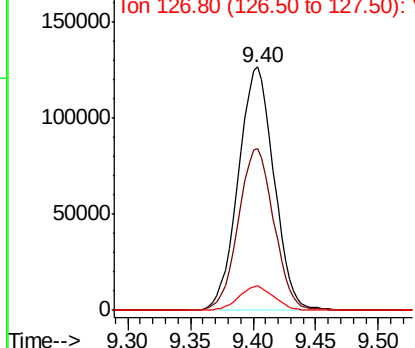
#47
Bromodichloromethane
Concen: 19.917 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Instrument :
MSVOA_N
ClientSampleId :
VN1019WBS01

Tot Ion: 83 Resp: 250874
Ion Ratio Lower Upper
83 100
85 66.2 51.4 77.2
127 10.0 7.9 11.9

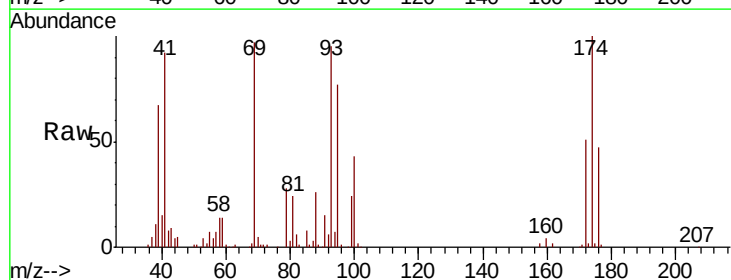


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

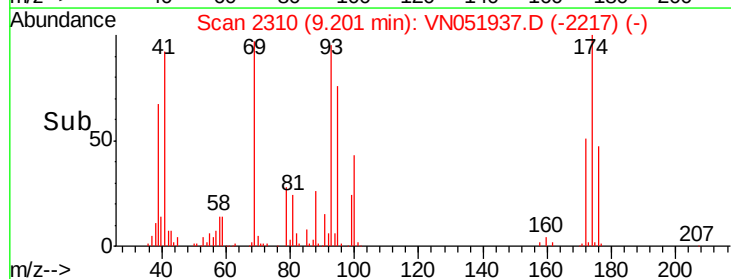
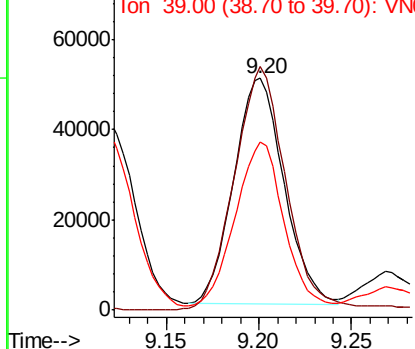


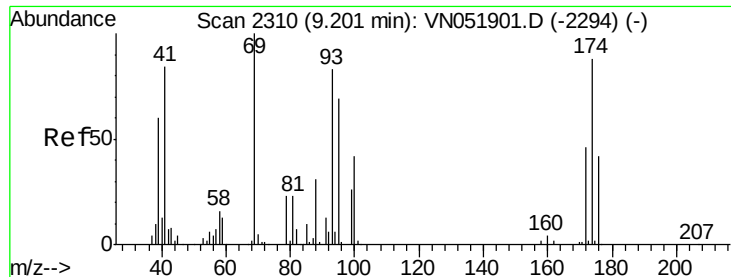
#48
Methyl methacrylate
Concen: 19.223 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 41 Resp: 94712
Ion Ratio Lower Upper
41 100
69 110.3 90.2 135.2
39 73.0 59.7 89.5



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: 339.851 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

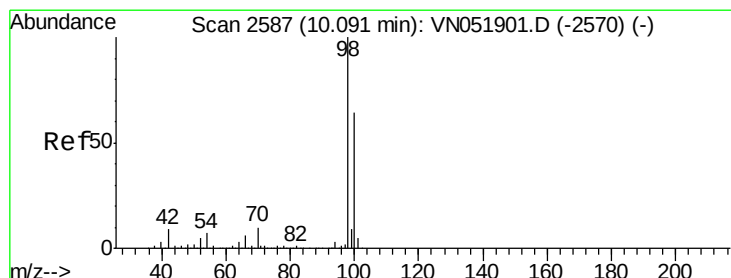
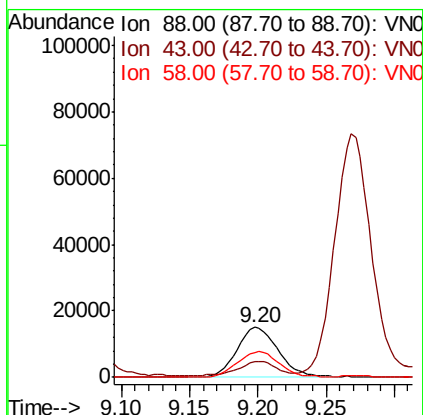
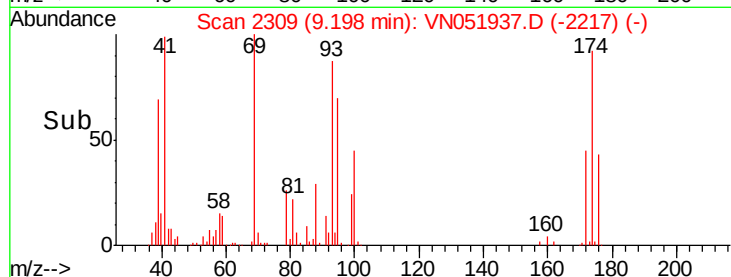
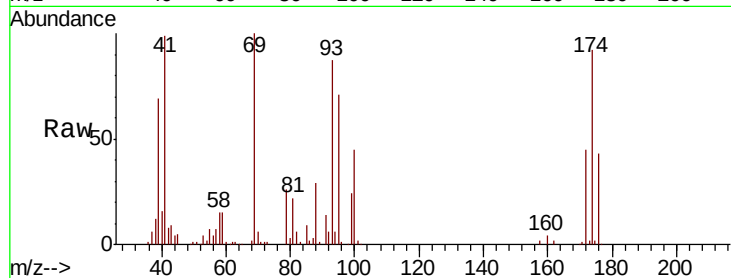
Tot Ion: 88 Resp: 31805

Ion Ratio Lower Upper

88 100

43 24.6 19.7 29.5

58 52.0 42.6 64.0



#50

Toluene-d8

Concen: 339.851 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051937.D

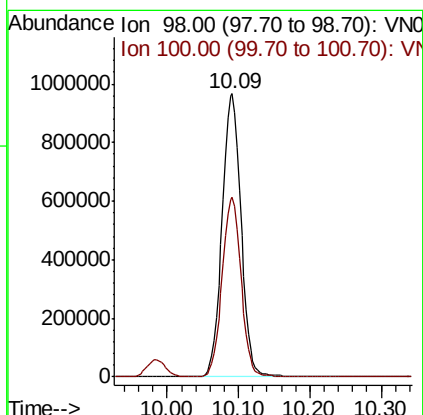
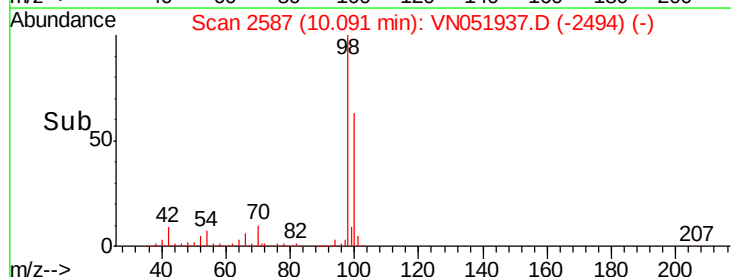
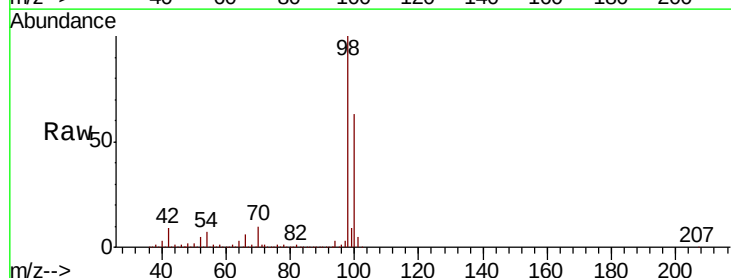
Acq: 19 Oct 2018 10:27

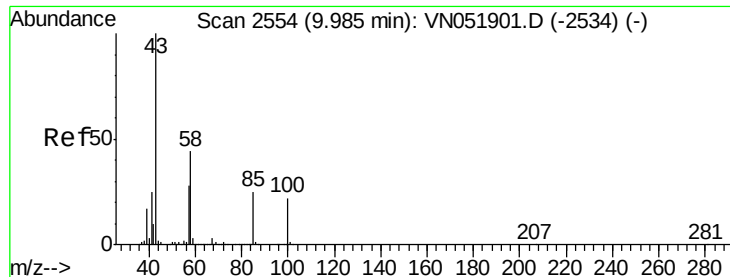
Tgt Ion: 98 Resp: 1786366

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.4





#51

4-Methyl-2-Pentanone

Concen: 92.872 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

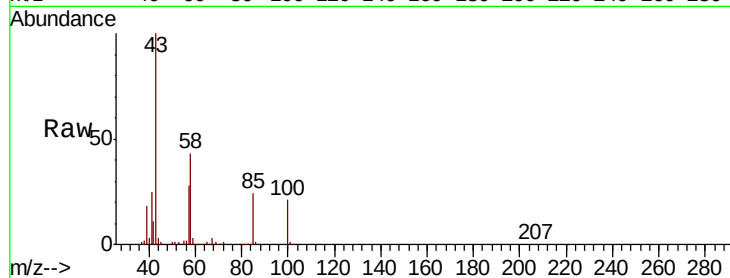
VN1019WBS01

Tot Ion: 43 Resp: 527691

Ion Ratio Lower Upper

43 100

58 42.7 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN051901.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN051901.D (-2534) (-)

9.98

300000

250000

200000

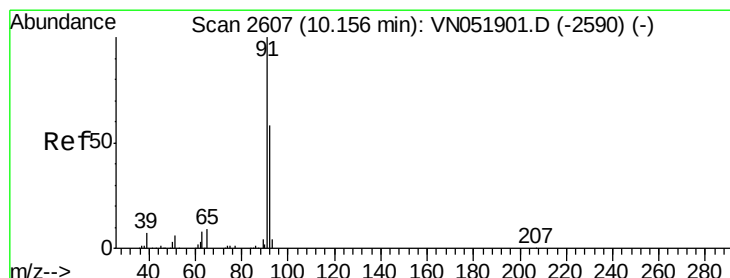
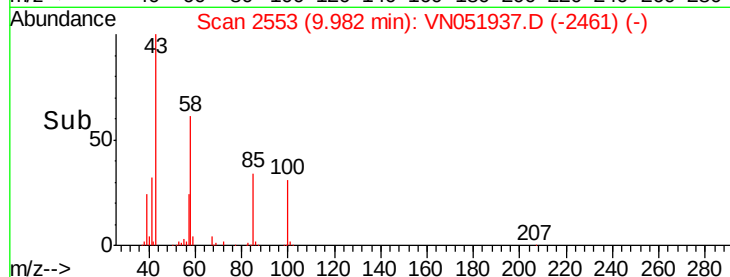
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.322 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051937.D

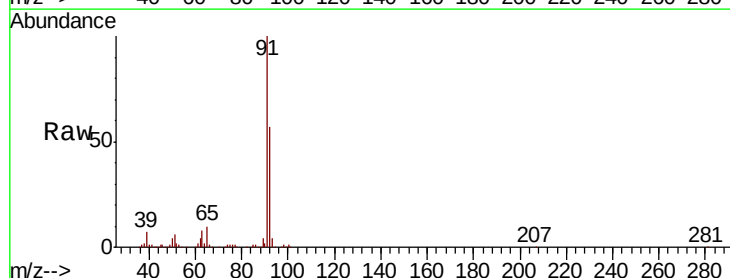
Acq: 19 Oct 2018 10:27

Tgt Ion: 92 Resp: 484731

Ion Ratio Lower Upper

92 100

91 175.8 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051901.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051901.D (-2590) (-)

10.16

500000

400000

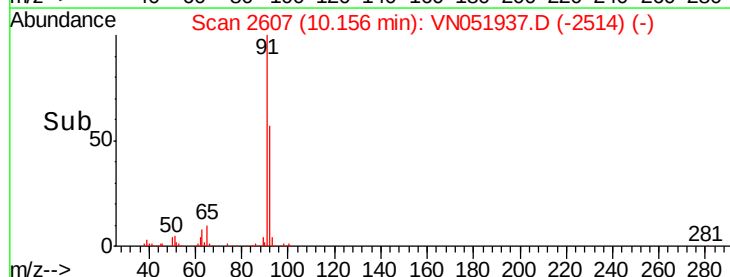
300000

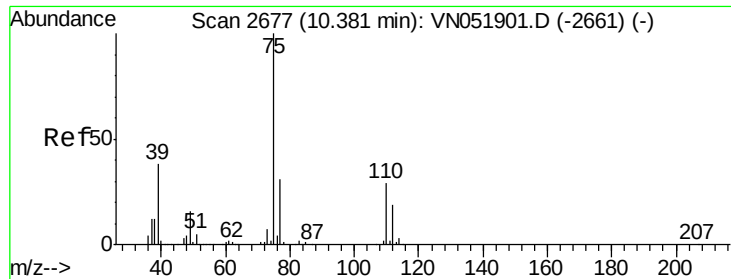
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.394 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampled :

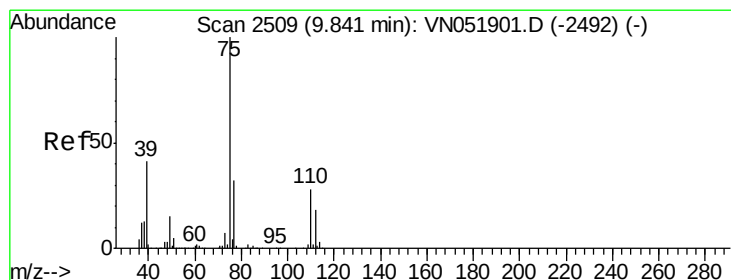
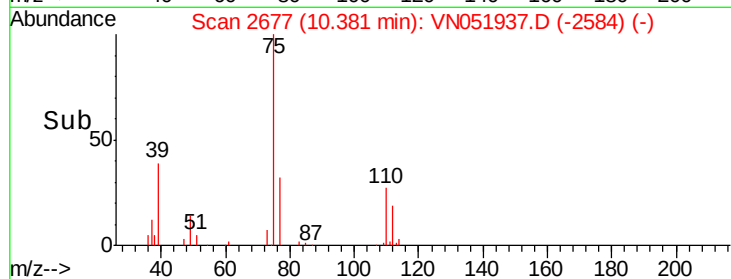
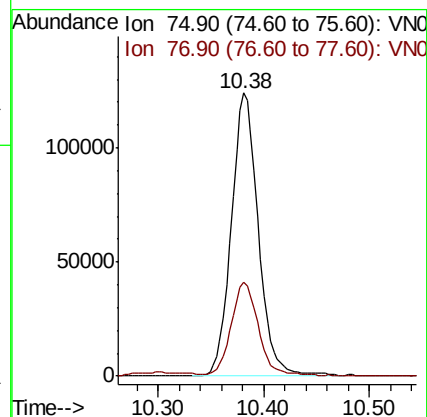
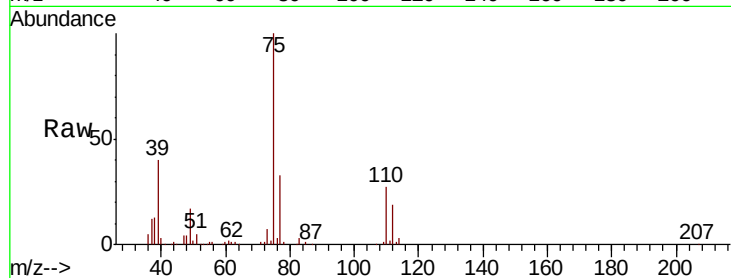
VN1019WBS01

Tot Ion: 75 Resp: 219557

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.667 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

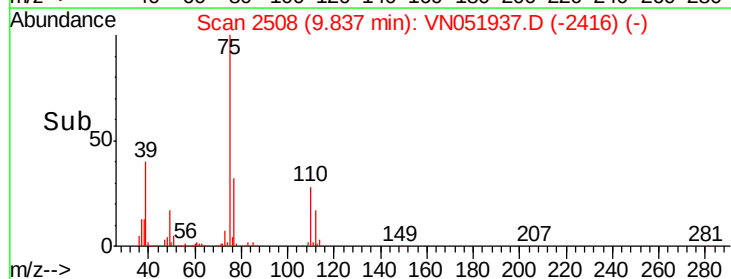
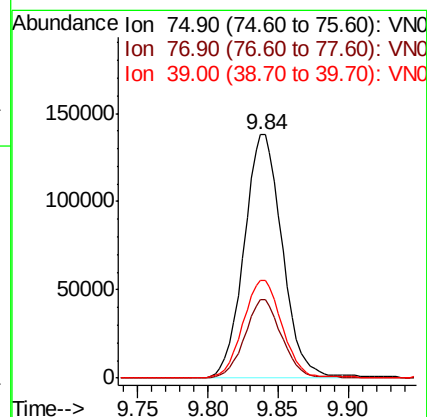
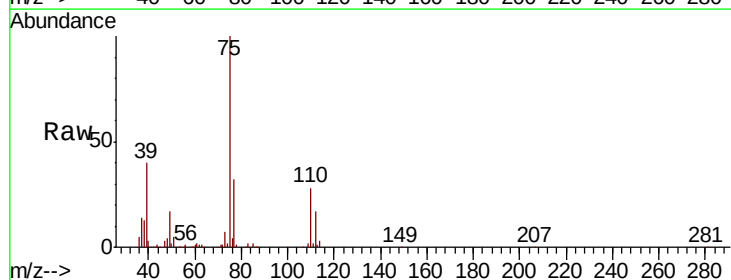
Tgt Ion: 75 Resp: 261768

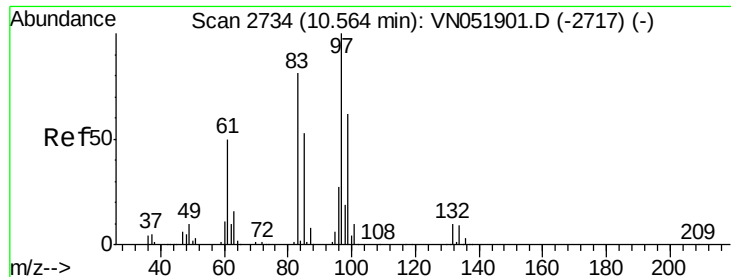
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 40.0 32.8 49.2

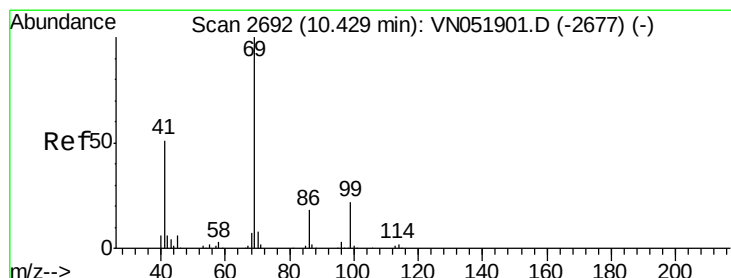
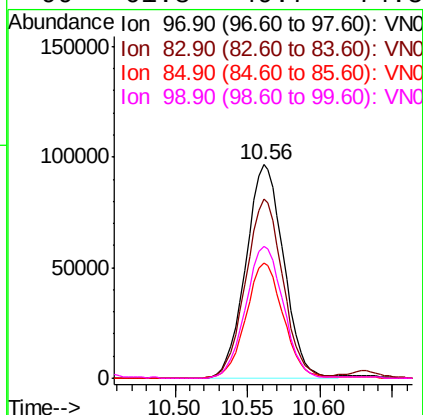
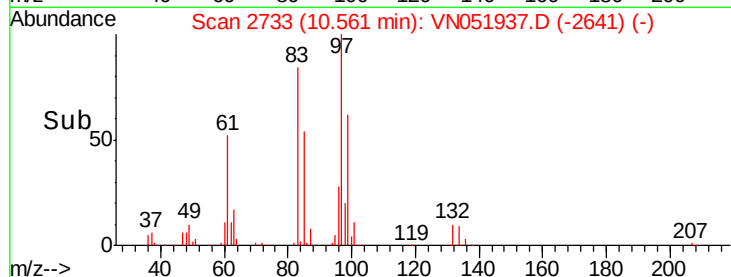
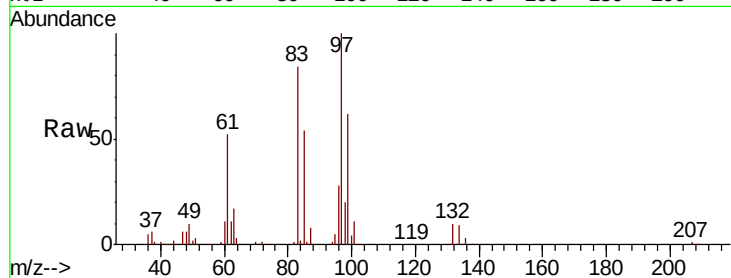




#55
 1,1,2-Trichloroethane
 Concen: 20.119 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

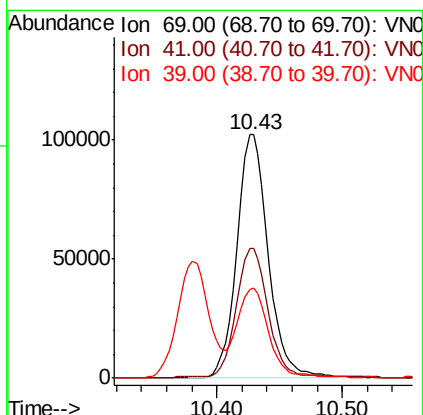
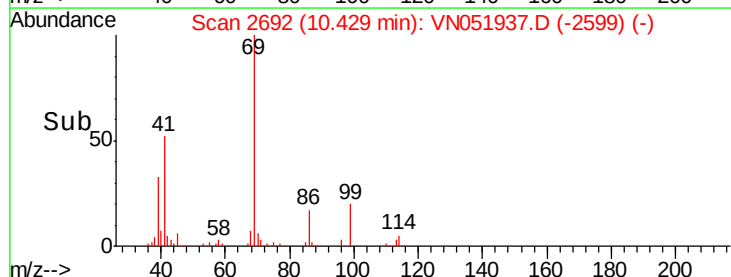
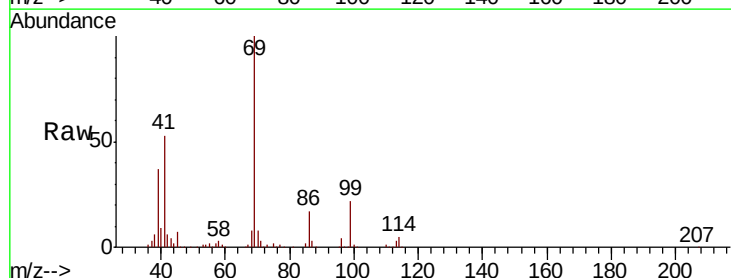
Instrument :
 MSVOA_N
 ClientSampled :
 VN1019WBS01

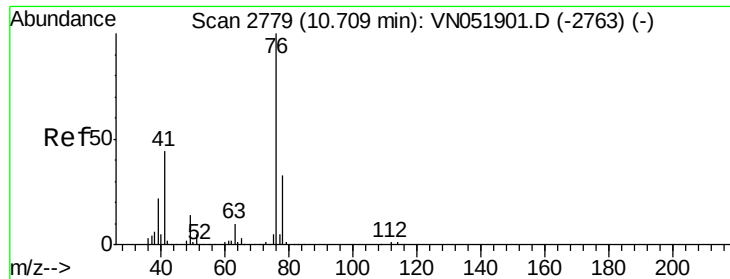
Tot Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.6	96.8
85	54.1	42.3	63.5
99	61.8	49.7	74.5



#56
 Ethyl methacrylate
 Concen: 18.238 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.0	40.6	61.0
39	37.4	29.4	44.0

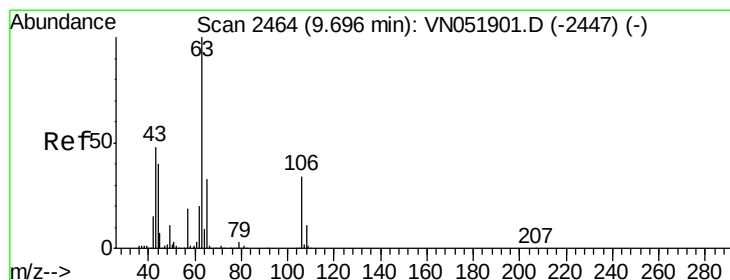
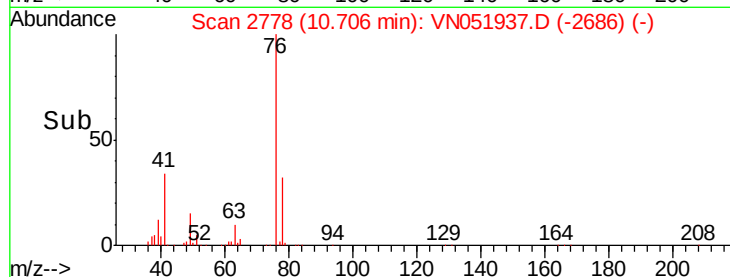
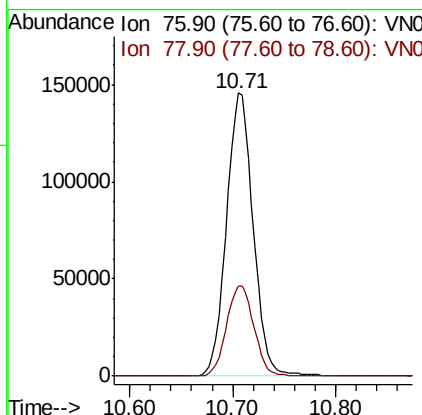
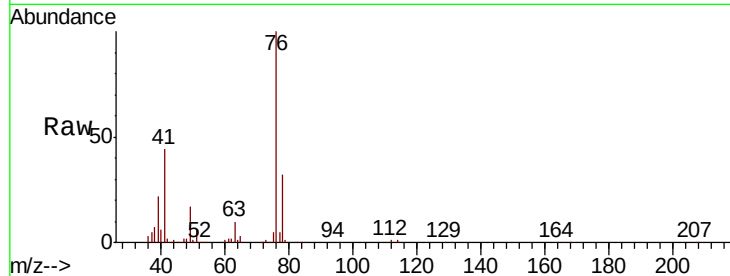




#57
 1,3-Dichloropropane
 Concen: 19.737 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

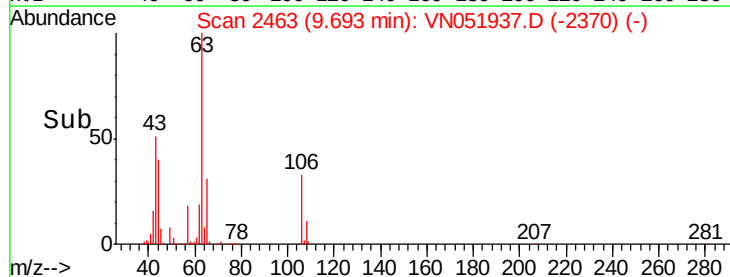
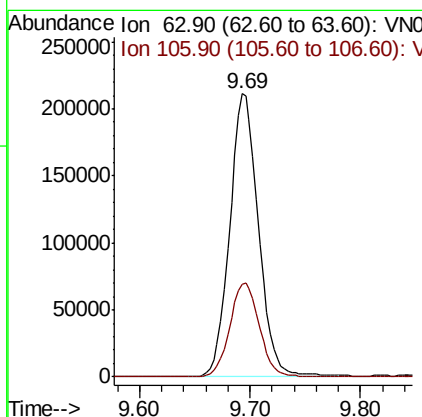
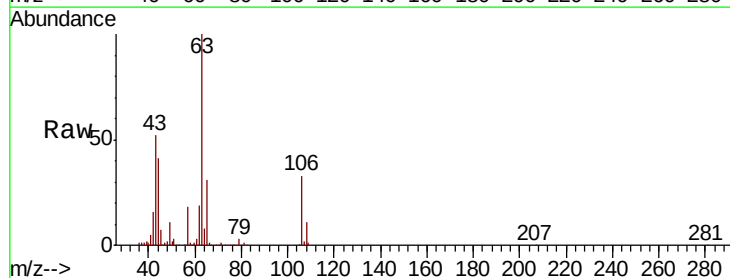
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

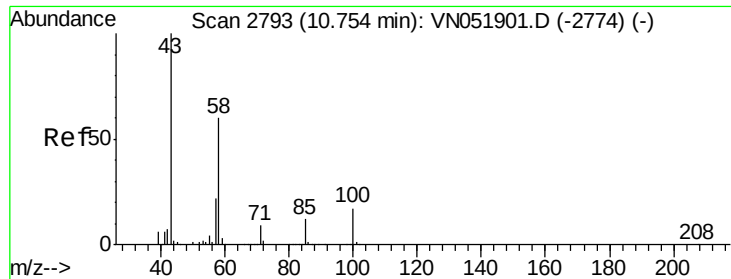
Tot Ion: 76 Resp: 262639
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.807 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 63 Resp: 382276
 Ion Ratio Lower Upper
 63 100
 106 33.9 27.5 41.3

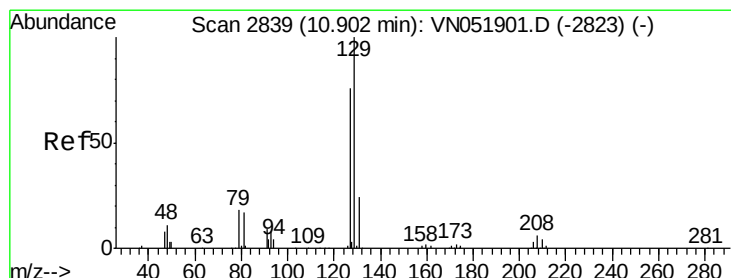
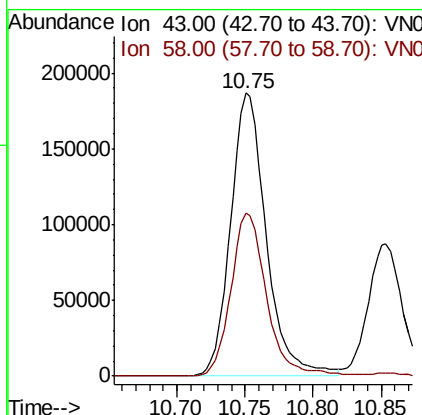
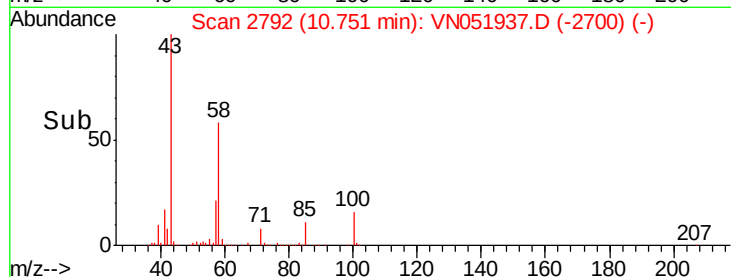
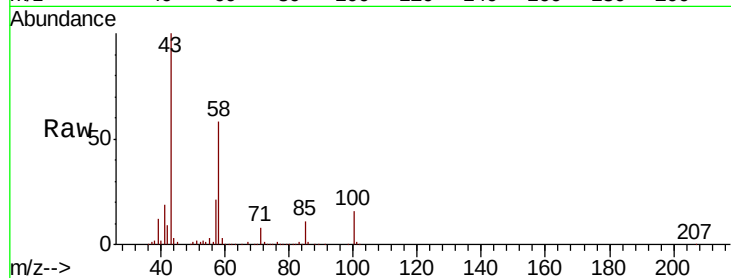




#59
2-Hexanone
Concen: 88.273 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

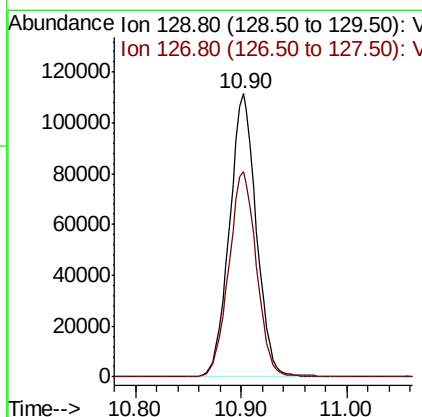
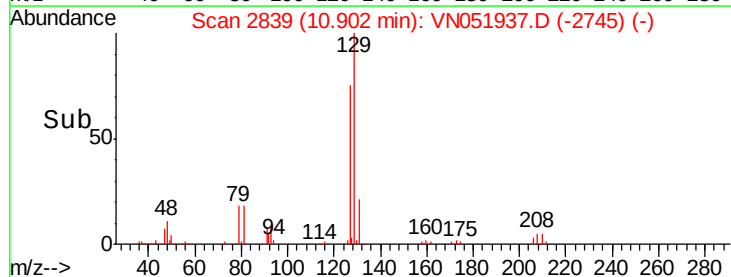
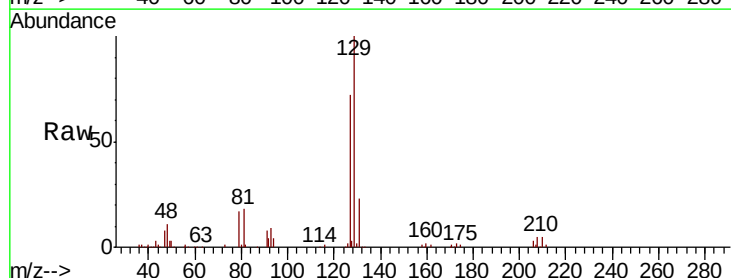
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBS01

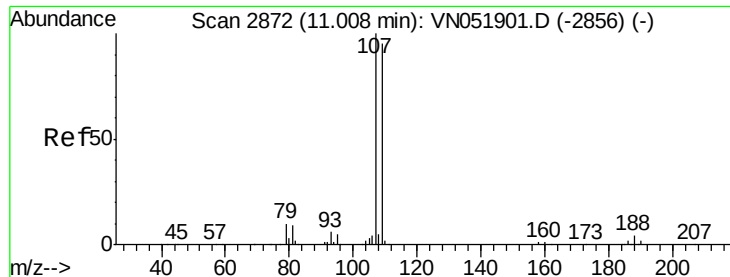
Tot Ion: 43 Resp: 336311
Ion Ratio Lower Upper
43 100
58 58.0 29.8 89.5



#60
Dibromochloromethane
Concen: 18.103 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 129 Resp: 196087
Ion Ratio Lower Upper
129 100
127 74.4 38.3 114.8

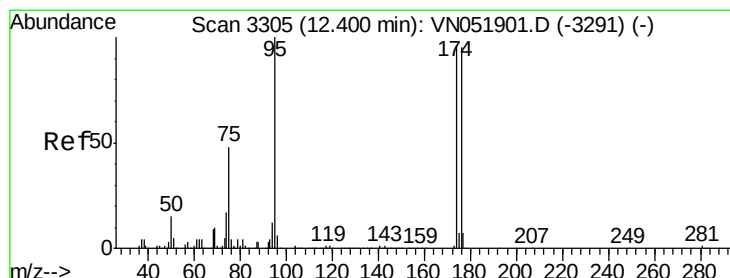
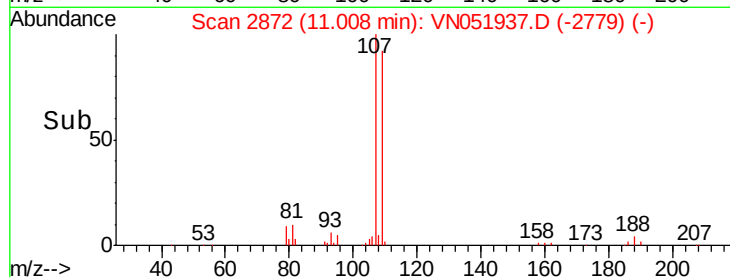
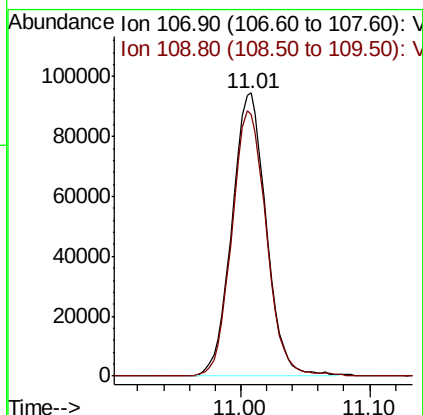
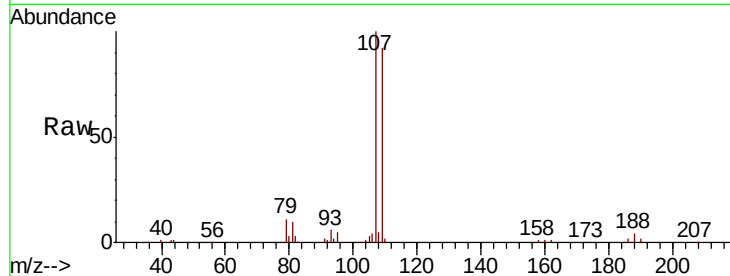




#61
 1,2-Dibromoethane
 Concen: 19.017 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

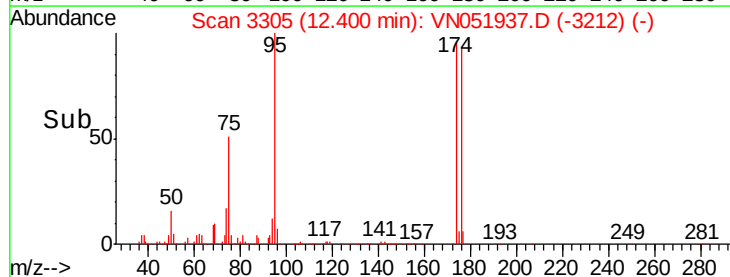
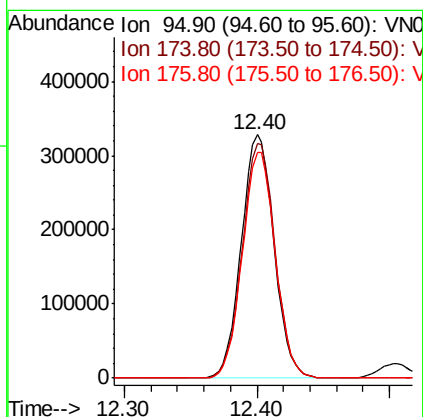
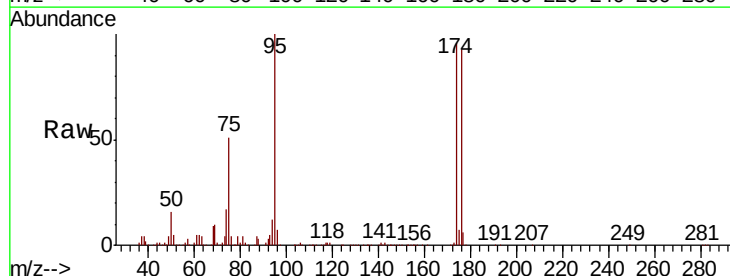
Instrument :
 MSVOA_N
 ClientSampled :
 VN1019WBS01

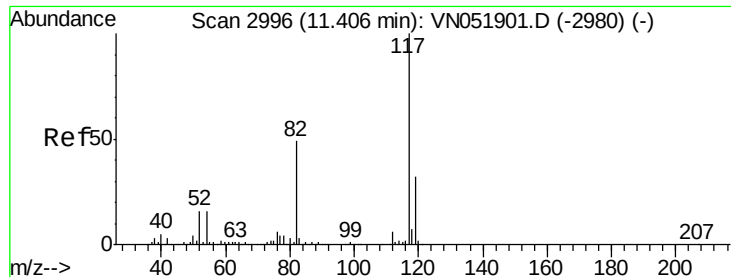
Tot Ion:107 Resp: 174324
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 19.017 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 95 Resp: 560244
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 195.0
 176 93.7 0.0 191.4

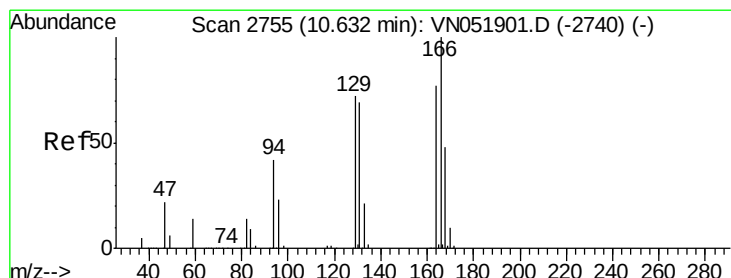
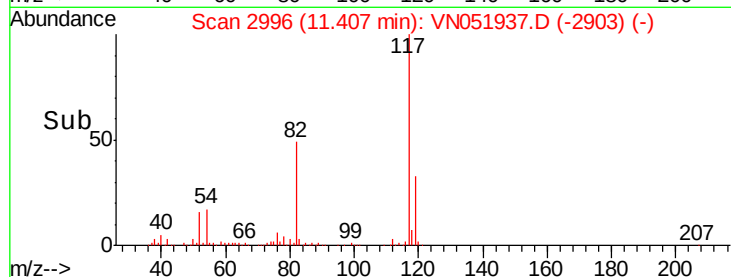
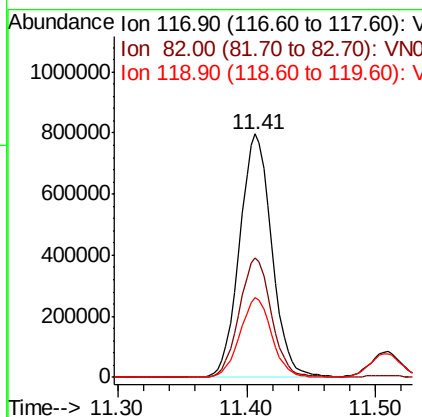
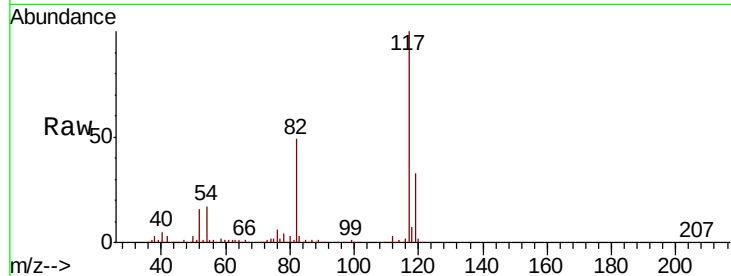




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

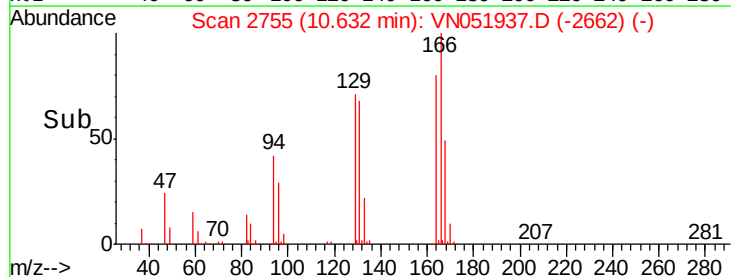
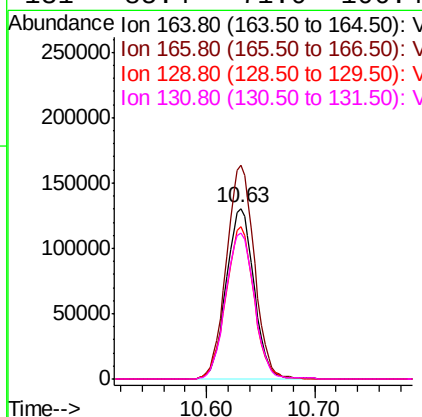
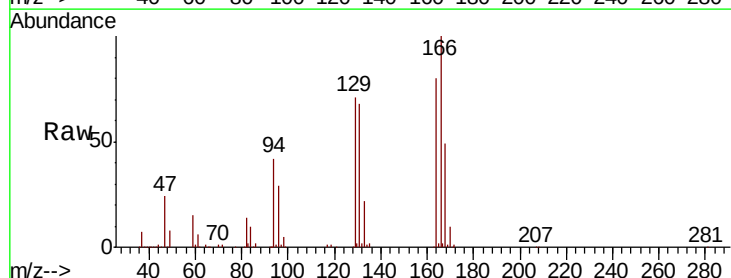
Instrument :
MSVOA_N
ClientSampled :
VN1019WBS01

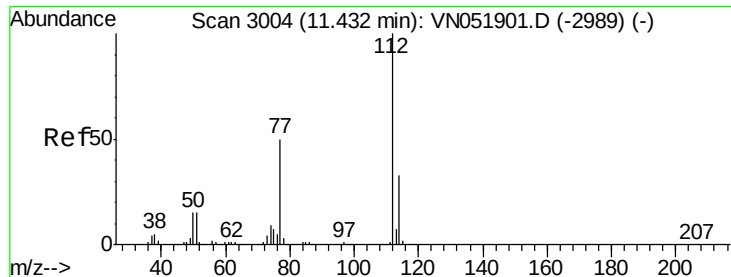
Tot Ion:117 Resp: 1383202
Ion Ratio Lower Upper
117 100
82 49.2 38.9 58.3
119 32.5 25.9 38.9



#64
Tetrachloroethene
Concen: 21.131 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion:164 Resp: 234610
Ion Ratio Lower Upper
164 100
166 125.4 103.4 155.0
129 89.2 73.9 110.9
131 85.4 71.0 106.4

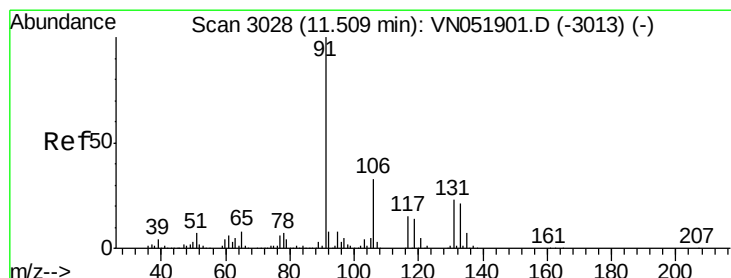
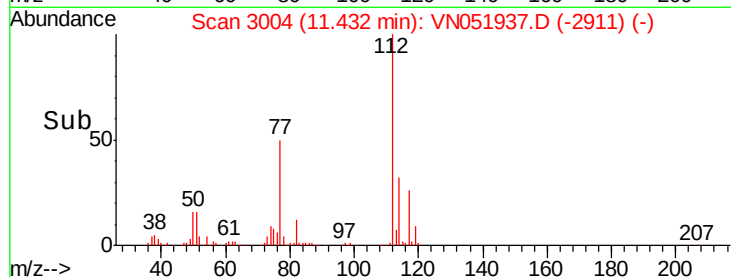
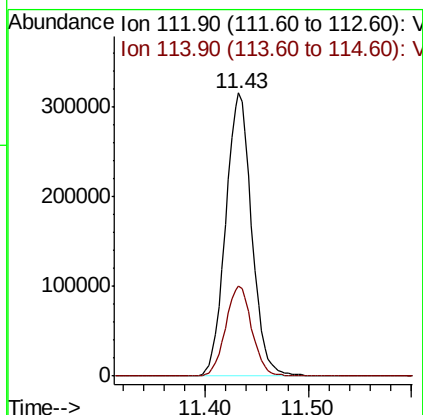
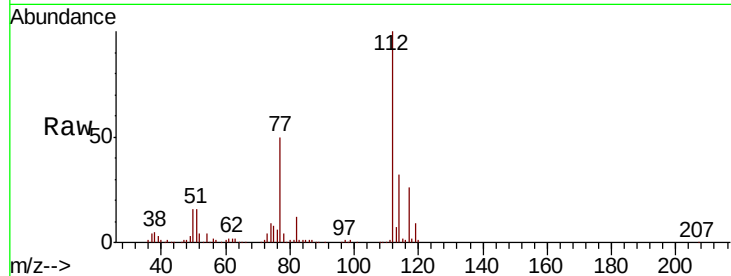




#65
Chlorobenzene
Concen: 20.076 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

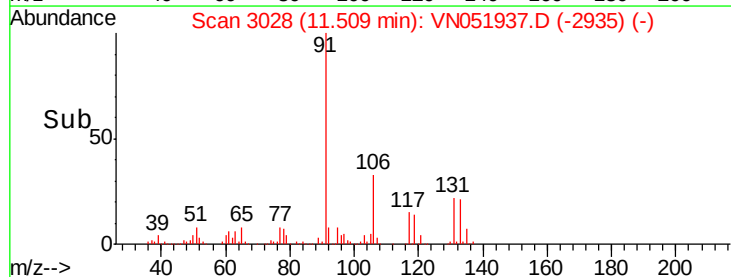
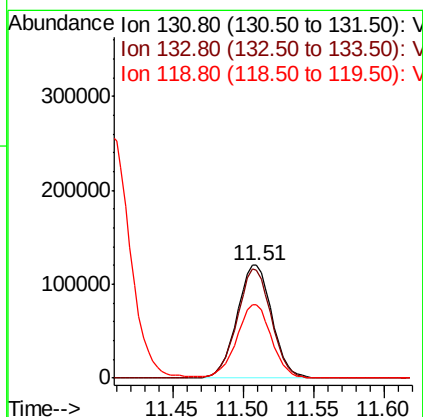
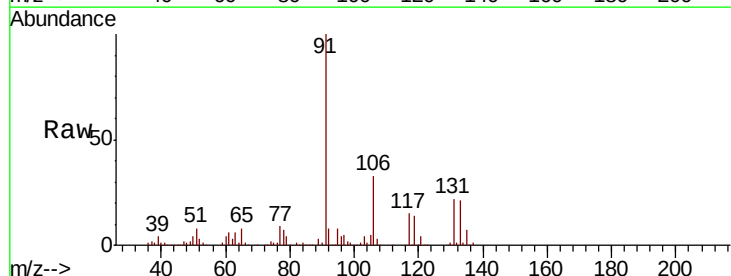
Instrument :
MSVOA_N
ClientSampleId :
VN1019WBS01

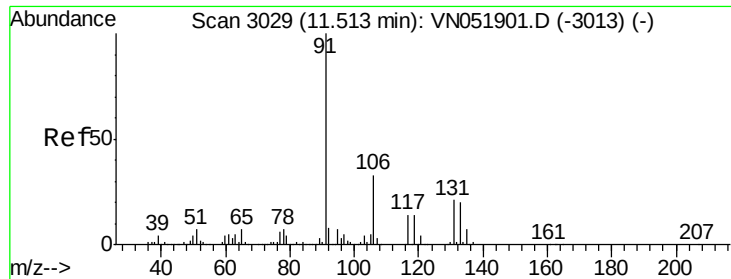
Tot Ion:112 Resp: 555190
Ion Ratio Lower Upper
112 100
114 31.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.295 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion:131 Resp: 208913
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.6
119 65.0 32.1 96.5

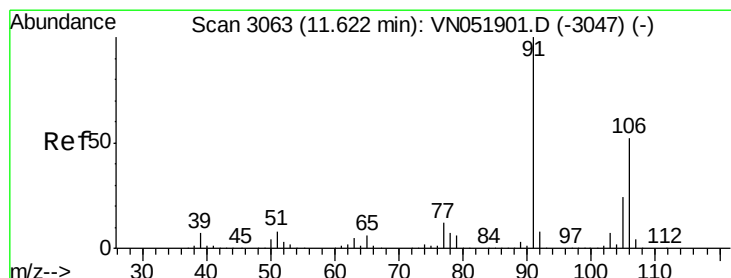
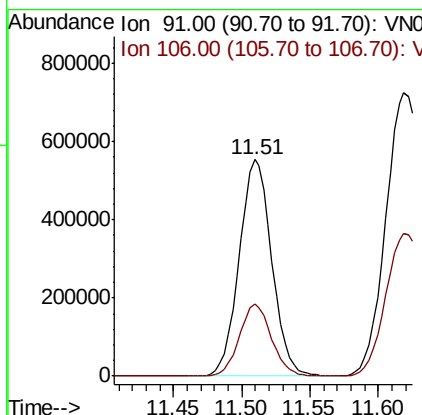
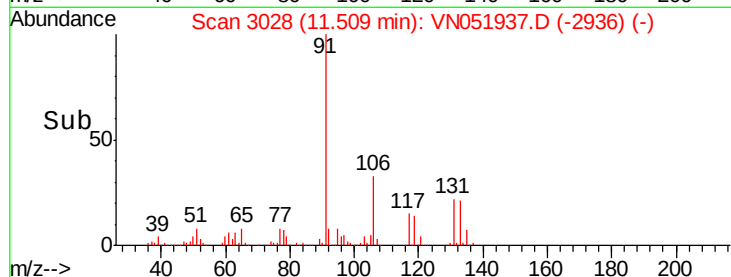
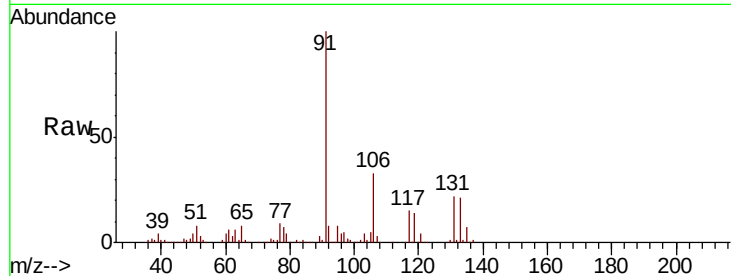




#67
Ethyl Benzene
Concen: 20.253 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

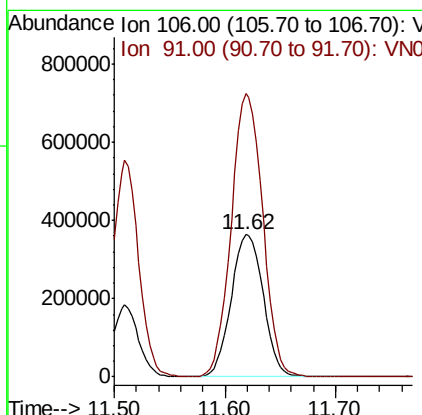
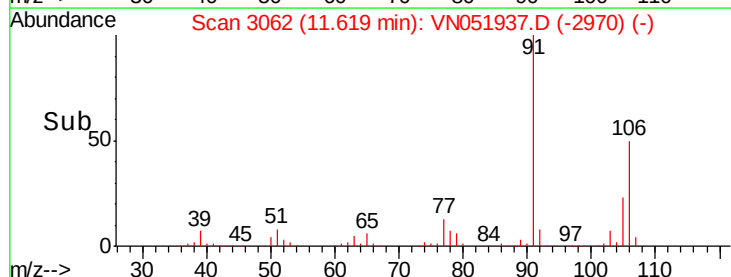
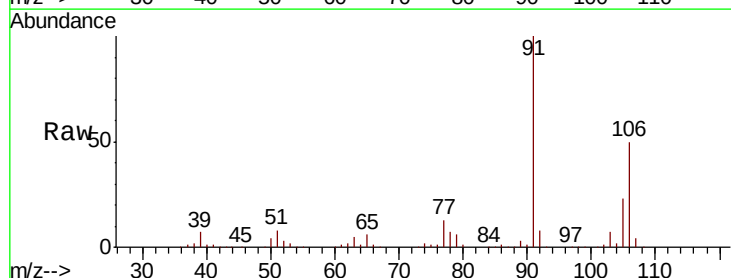
Instrument :
MSVOA_N
ClientSampled :
VN1019WBS01

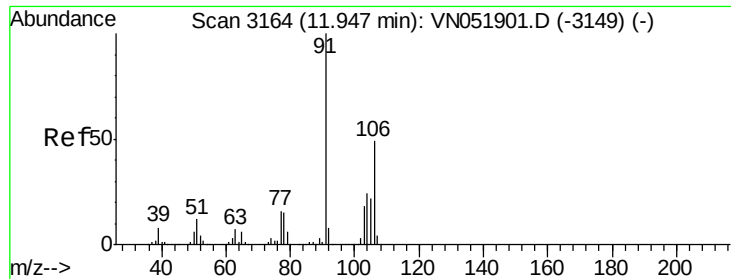
Tot Ion: 91 Resp: 917526
Ion Ratio Lower Upper
91 100
106 33.2 26.6 39.8



#68
m/p-Xylenes
Concen: 40.489 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 106 Resp: 736518
Ion Ratio Lower Upper
106 100
91 194.4 153.6 230.4

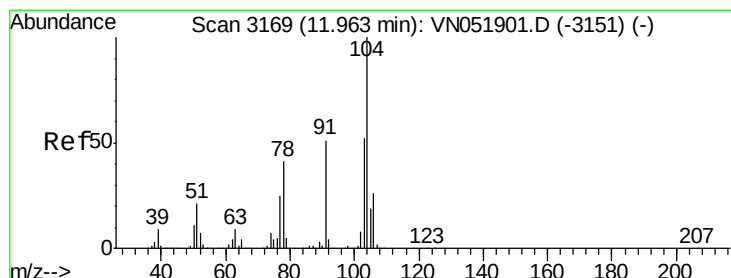
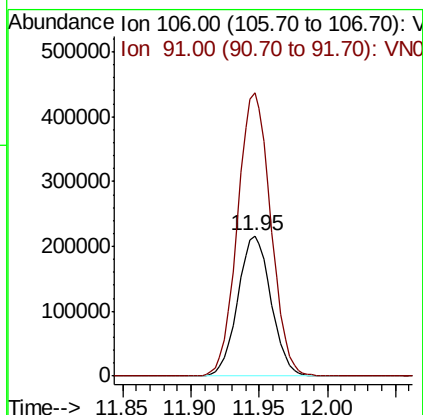
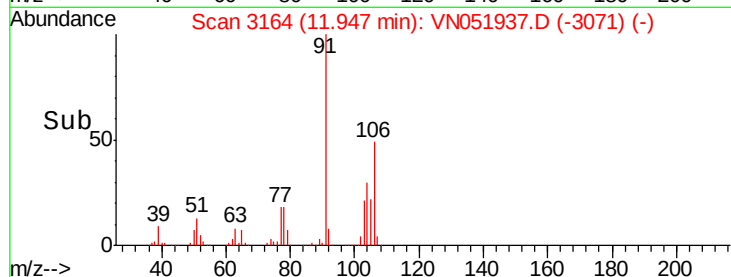
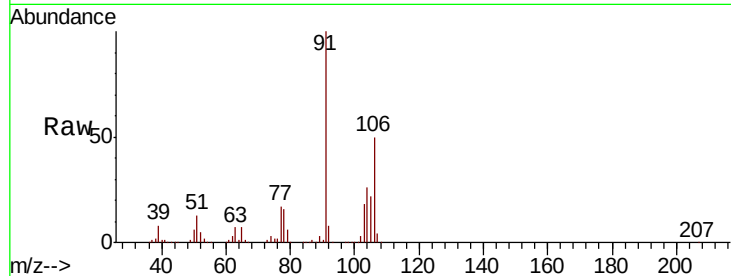




#69
o-Xylene
Concen: 20.596 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

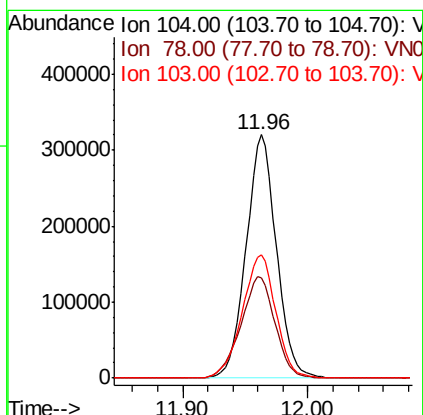
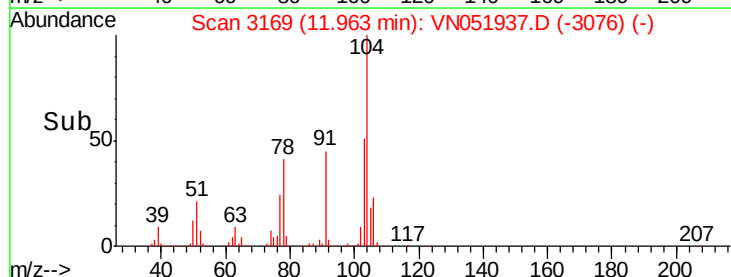
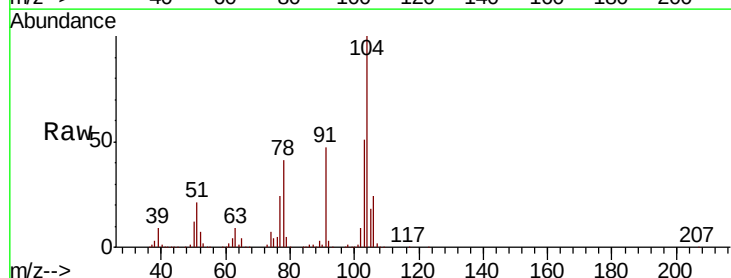
Instrument :
MSVOA_N
ClientSampled :
VN1019WBS01

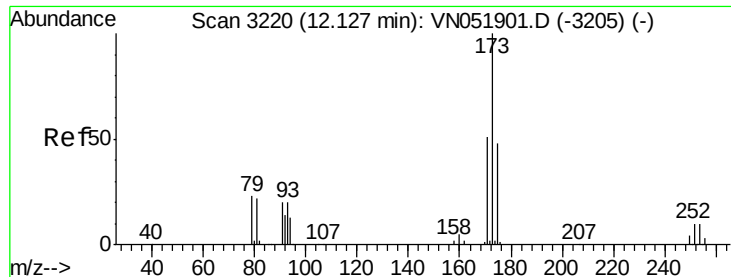
Tot Ion:106 Resp: 365108
Ion Ratio Lower Upper
106 100
91 202.4 100.7 302.1



#70
Styrene
Concen: 19.796 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion:104 Resp: 539818
Ion Ratio Lower Upper
104 100
78 47.1 36.6 55.0
103 56.1 44.6 67.0





#71

Bromoform

Concen: 17.398 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

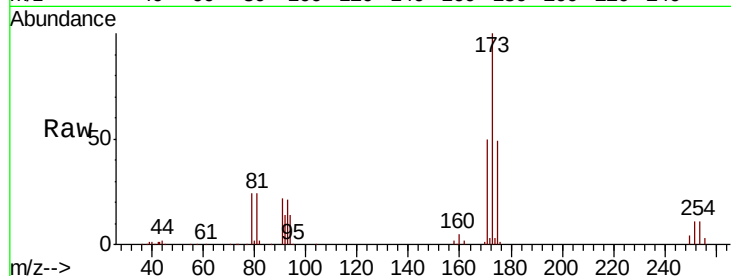
Tot Ion:173 Resp: 117278

Ion Ratio Lower Upper

173 100

175 48.6 24.0 72.0

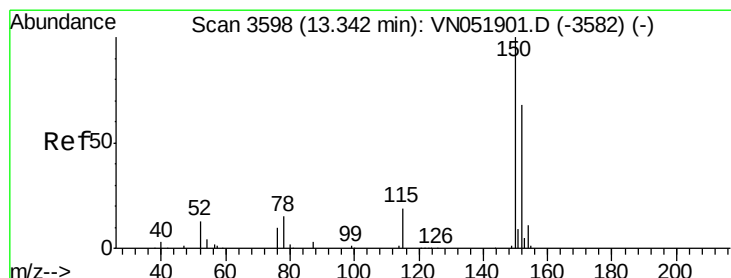
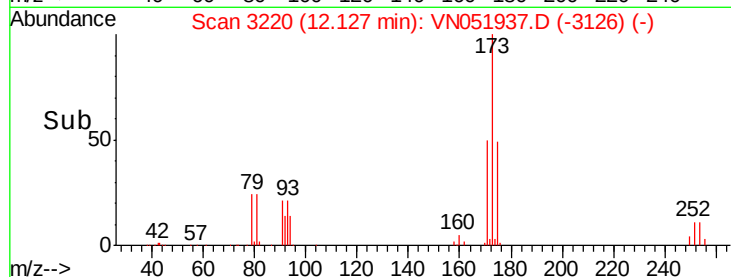
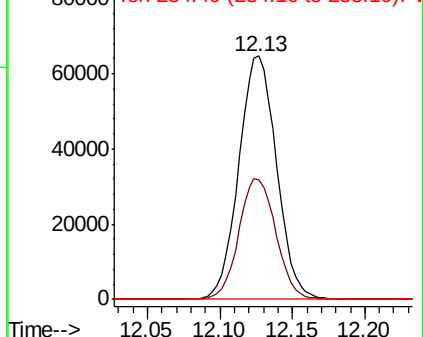
254 0.0 0.2 0.2#



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: VN051937.D

Acq: 19 Oct 2018 10:27

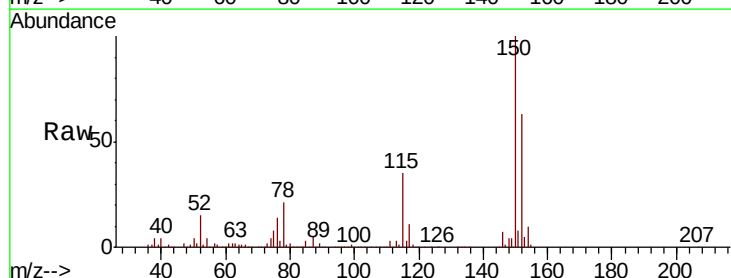
Tgt Ion:152 Resp: 608429

Ion Ratio Lower Upper

152 100

115 55.1 26.7 80.1

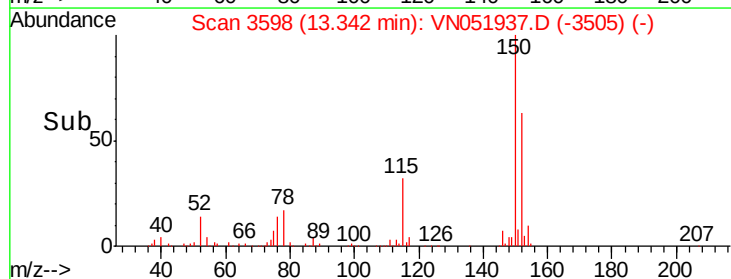
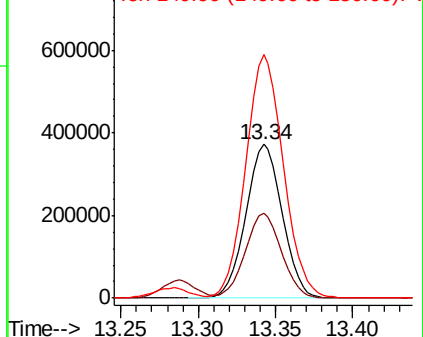
150 164.5 0.0 346.4

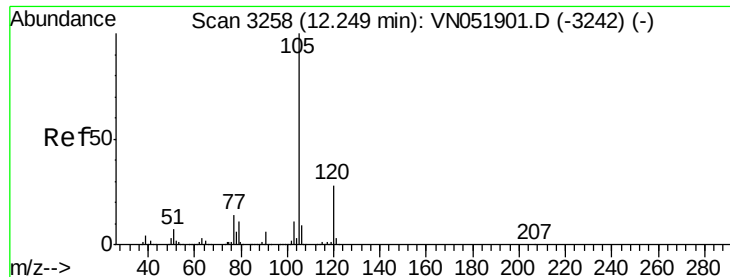


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.305 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

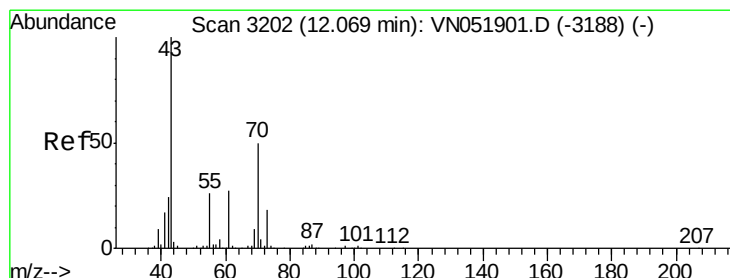
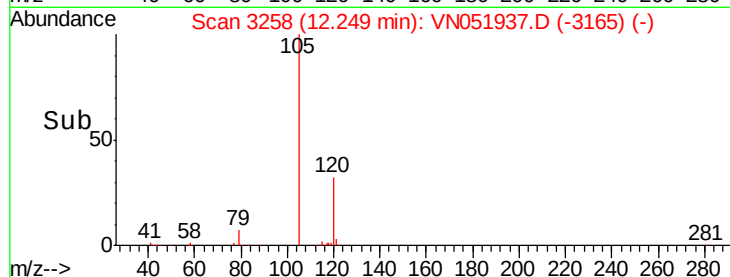
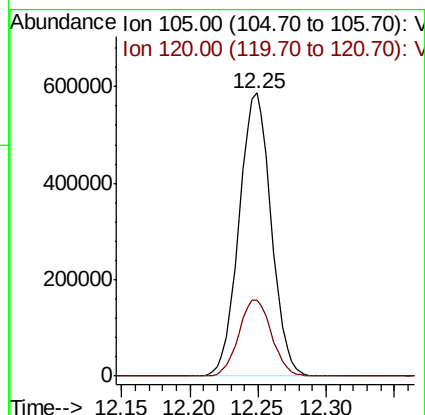
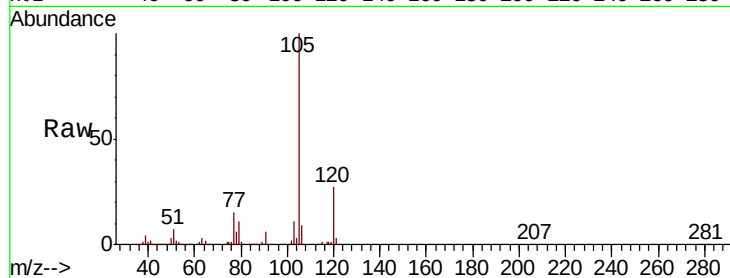
VN1019WBS01

Tot Ion:105 Resp: 956356

Ion Ratio Lower Upper

105 100

120 27.5 14.0 41.9



#74

N-ethyl acetate

Concen: 17.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Tgt Ion: 43 Resp: 142174

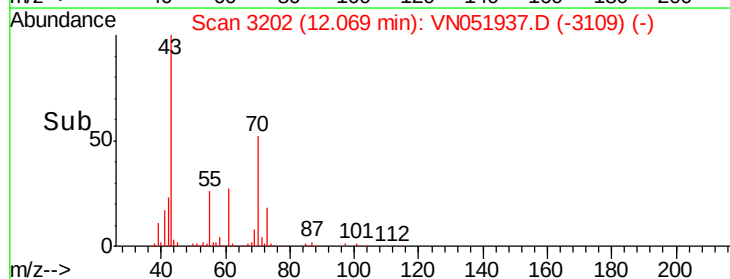
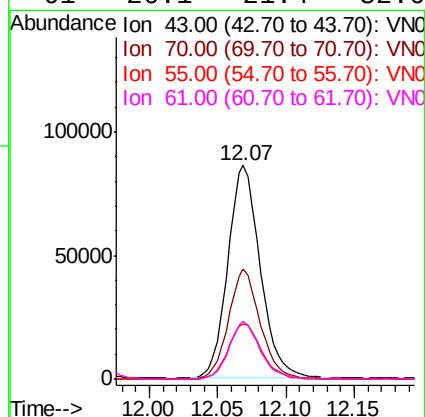
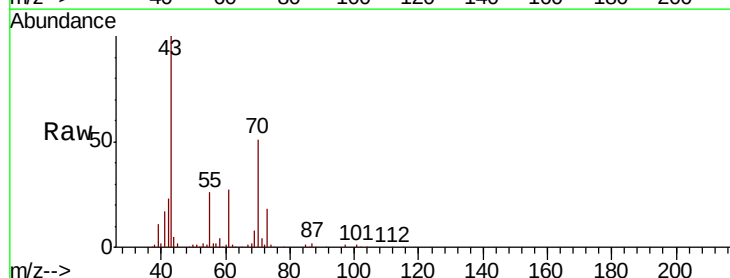
Ion Ratio Lower Upper

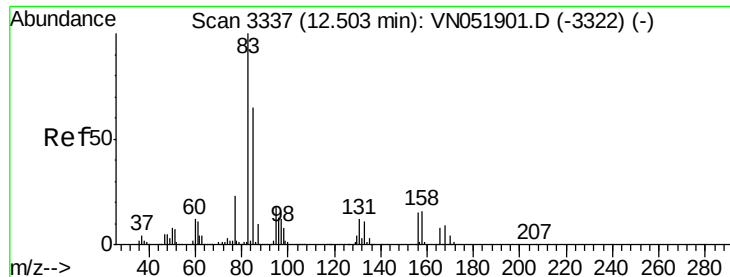
43 100

70 50.5 40.1 60.1

55 26.4 21.0 31.4

61 26.1 21.4 32.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.754 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampled :

VN1019WBS01

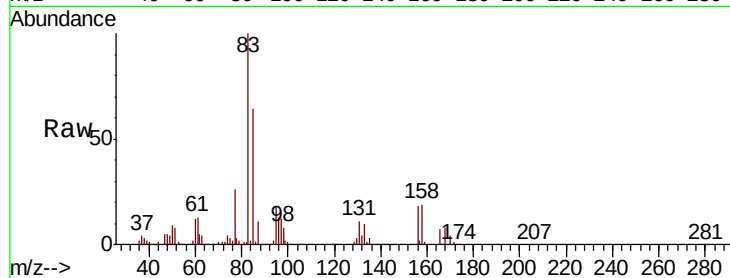
Tot Ion: 83 Resp: 188034

Ion Ratio Lower Upper

83 100

131 11.9 6.2 18.6

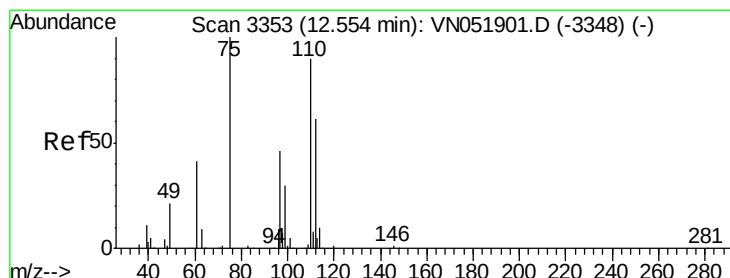
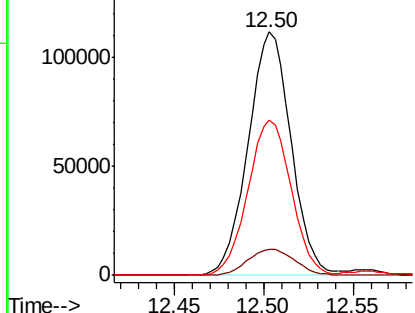
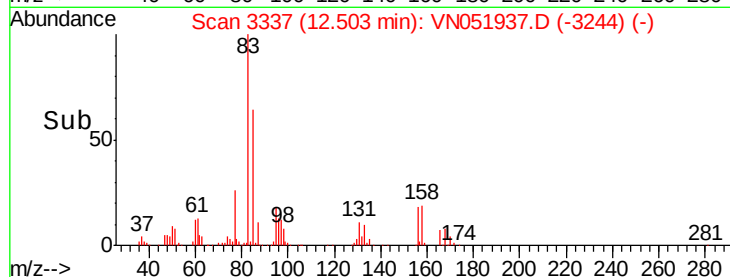
85 64.3 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.175 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051937.D

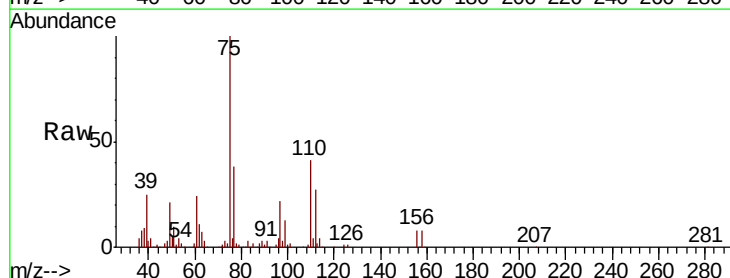
Acq: 19 Oct 2018 10:27

Tgt Ion: 75 Resp: 215755

Ion Ratio Lower Upper

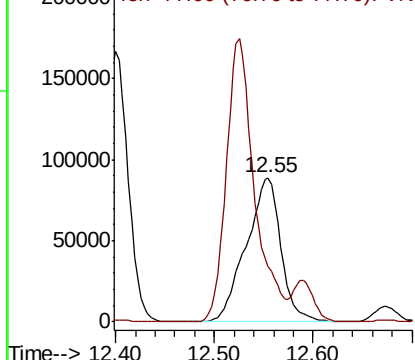
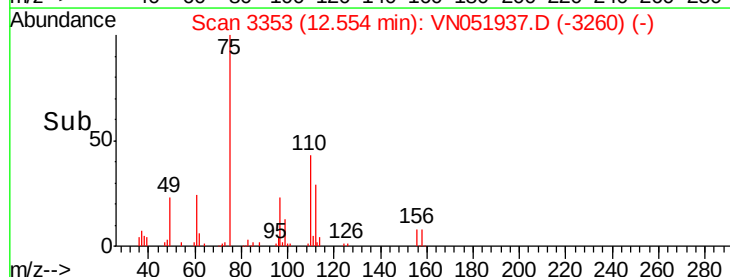
75 100

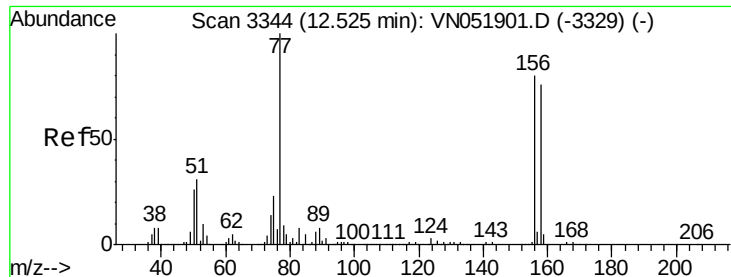
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.761 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

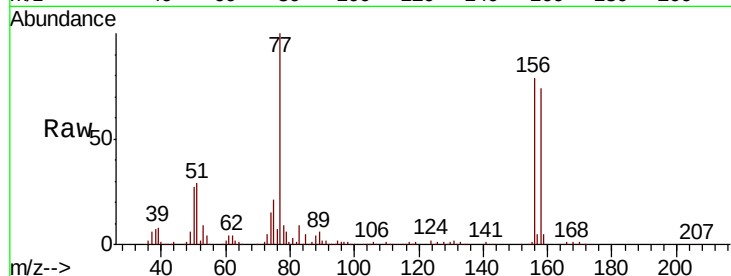
Tot Ion:156 Resp: 236835

Ion Ratio Lower Upper

156 100

77 147.9 73.0 219.0

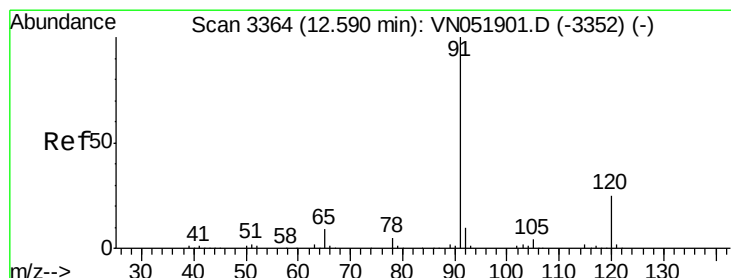
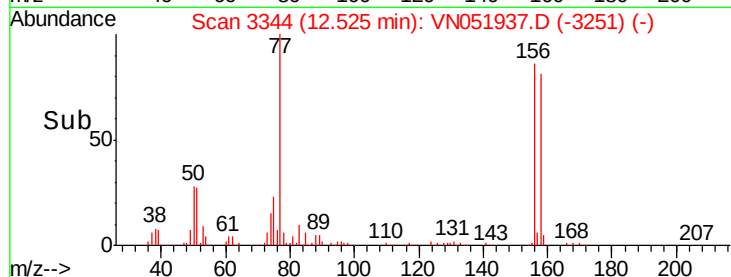
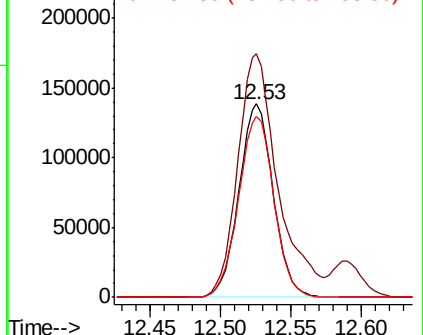
158 96.1 48.4 145.0



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: 20.904 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051937.D

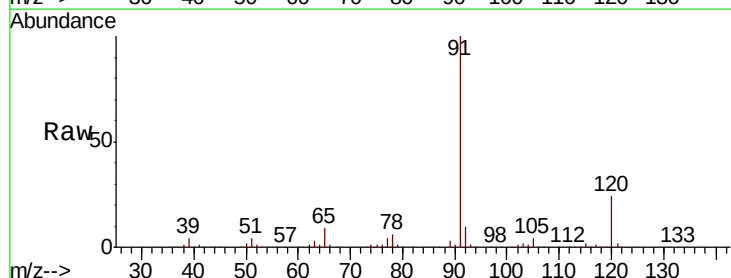
Acq: 19 Oct 2018 10:27

Tgt Ion: 91 Resp: 1024952

Ion Ratio Lower Upper

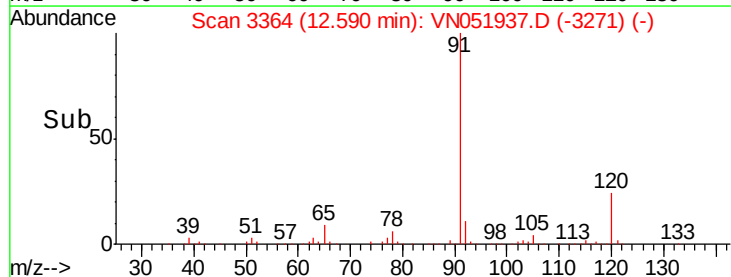
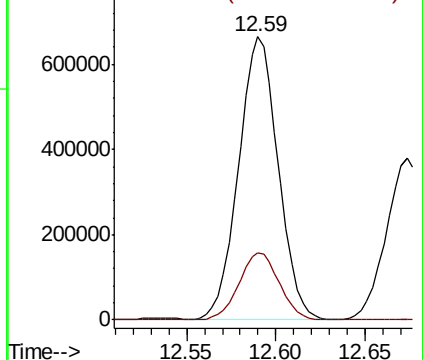
91 100

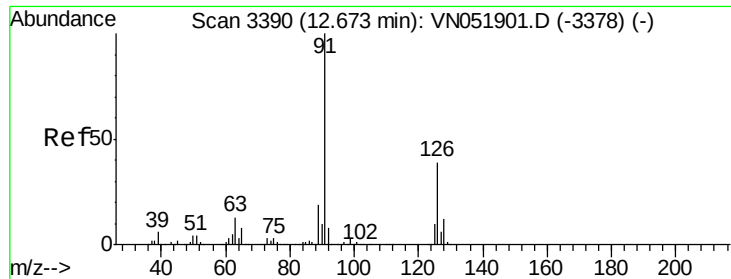
120 24.3 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

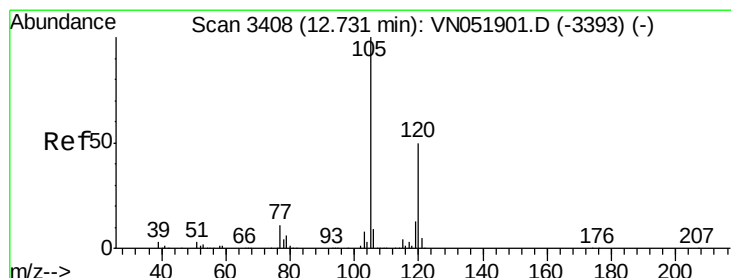
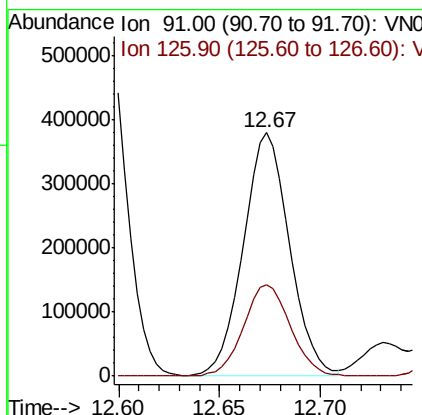
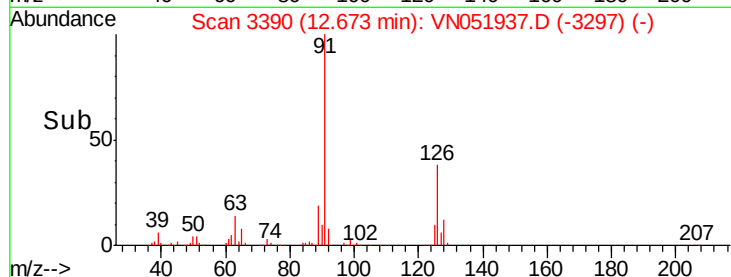
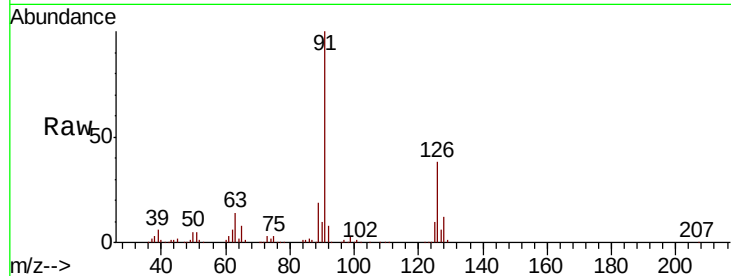




#79
 2-Chlorotoluene
 Concen: 21.818 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

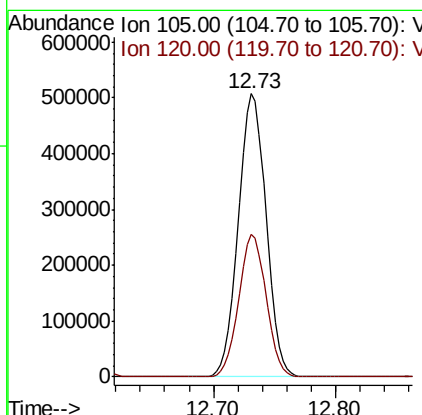
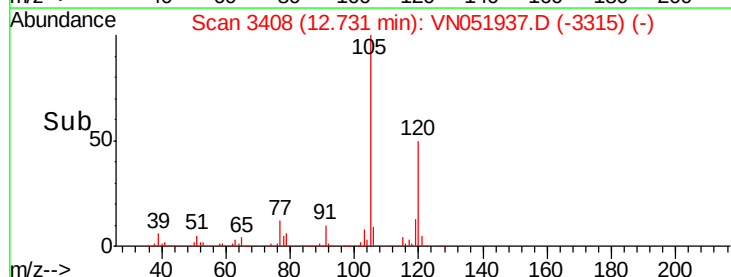
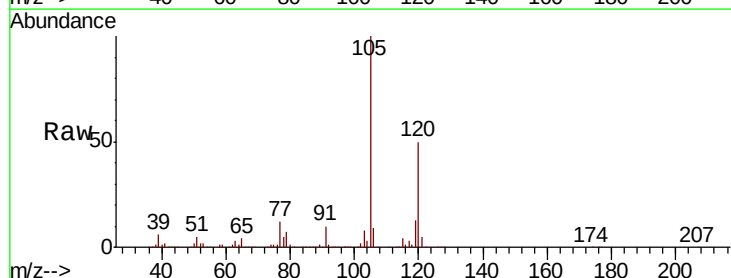
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

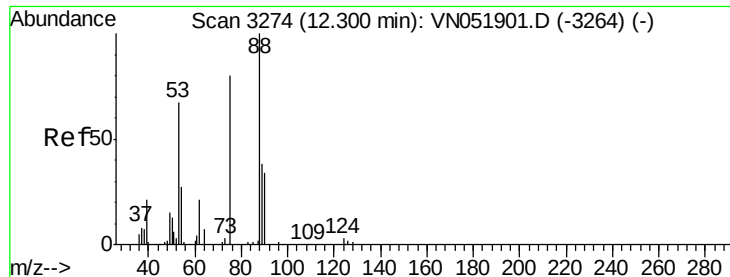
Tot Ion: 91 Resp: 606110
 Ion Ratio Lower Upper
 91 100
 126 38.4 19.6 58.7



#80
 1,3,5-Trimethylbenzene
 Concen: 20.854 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion: 105 Resp: 793934
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 15.991 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampled :

VN1019WBS01

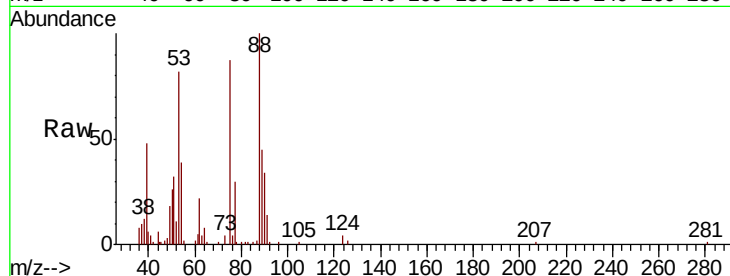
Tot Ion: 75 Resp: 35630

Ion Ratio Lower Upper

75 100

53 101.8 68.5 102.7

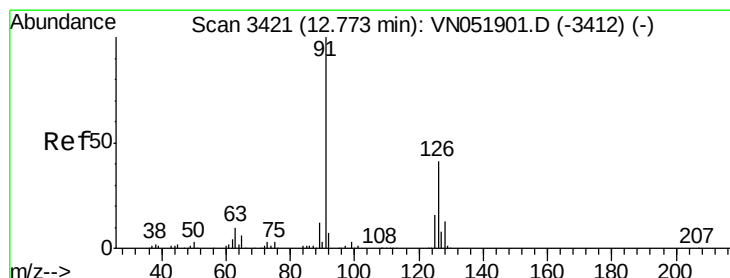
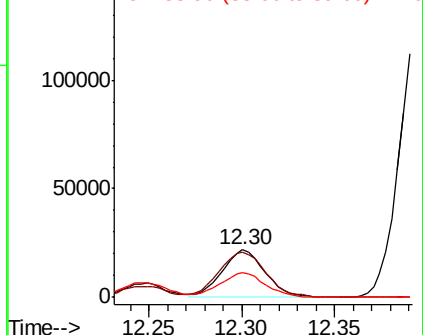
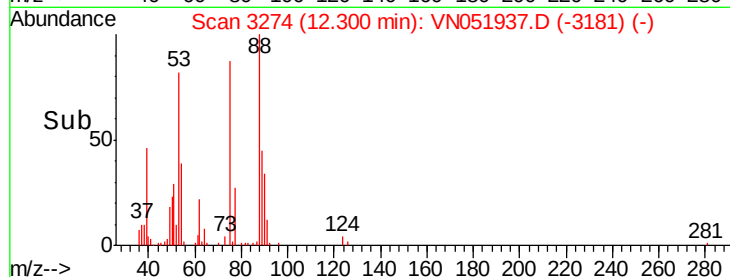
89 54.1 39.0 58.6



Abundance Ion 74.90 (74.60 to 75.60): VN051937.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051937.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051937.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 20.516 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051937.D

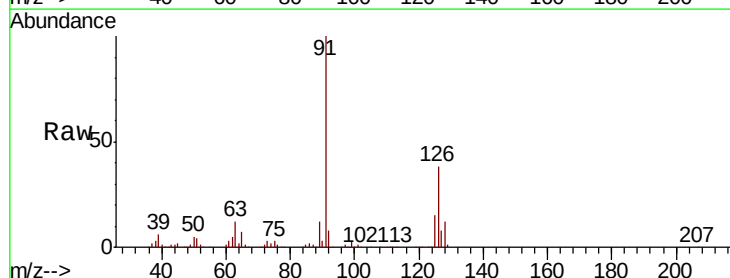
Acq: 19 Oct 2018 10:27

Tgt Ion: 91 Resp: 587828

Ion Ratio Lower Upper

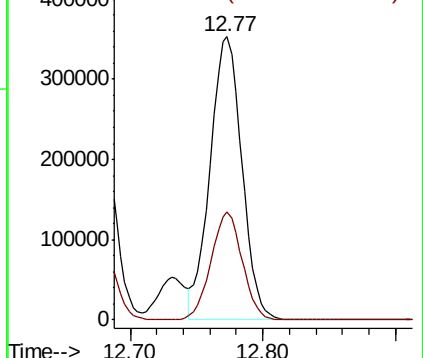
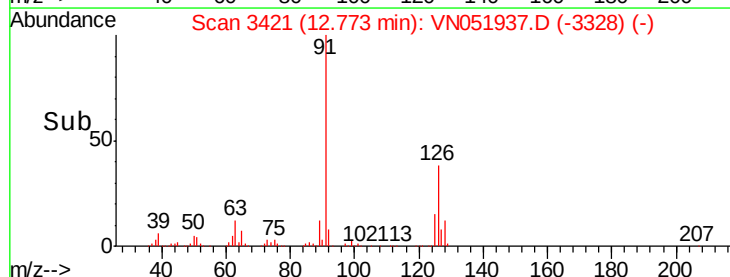
91 100

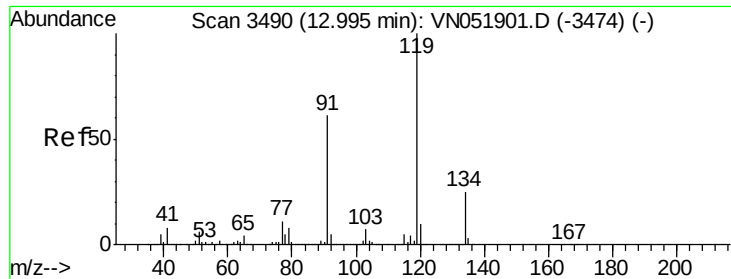
126 37.4 18.9 56.7



Abundance Ion 91.00 (90.70 to 91.70): VN051937.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN051937.D (-3328) (-)

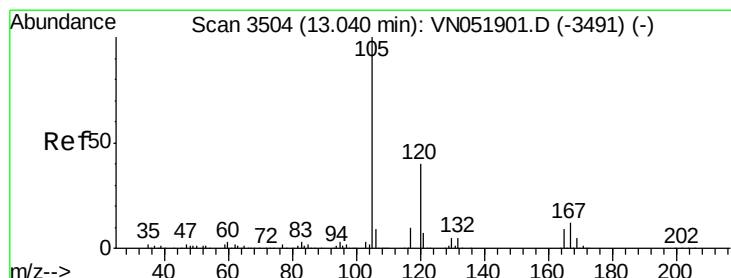
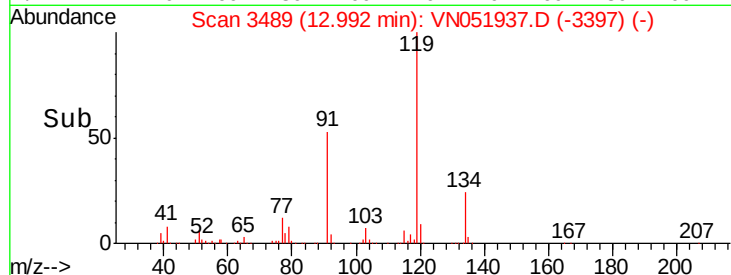
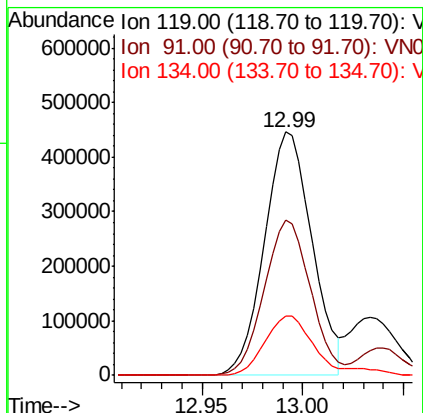
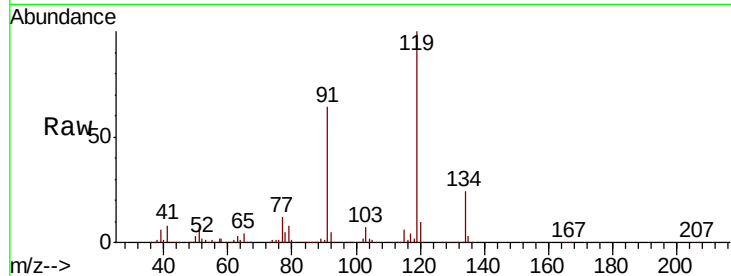




#83
 tert-Butylbenzene
 Concen: 20.438 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

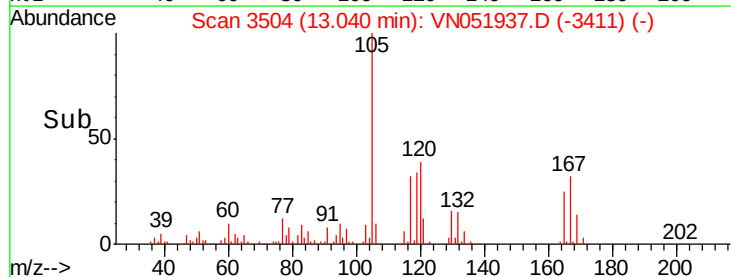
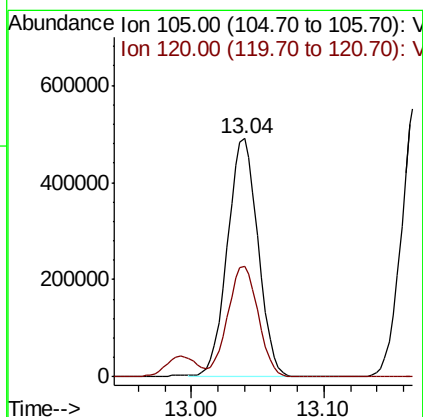
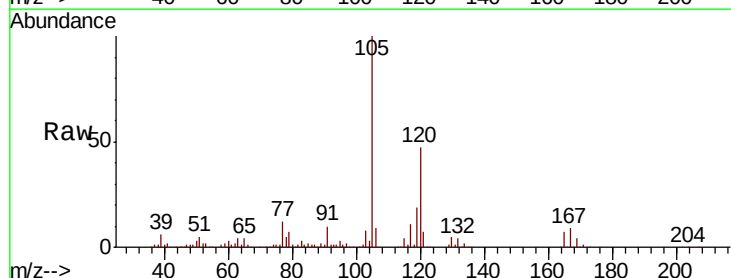
Instrument :
 MSVOA_N
 ClientSampled :
 VN1019WBS01

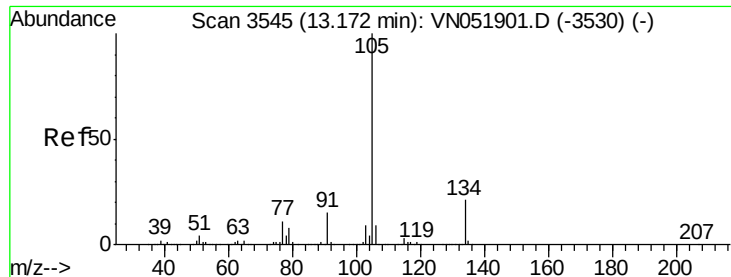
Tot Ion:119 Resp: 731191
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.3 90.9
 134 24.2 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.996 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion:105 Resp: 785917
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.4





#85

sec-Butylbenzene

Concen: 21.013 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

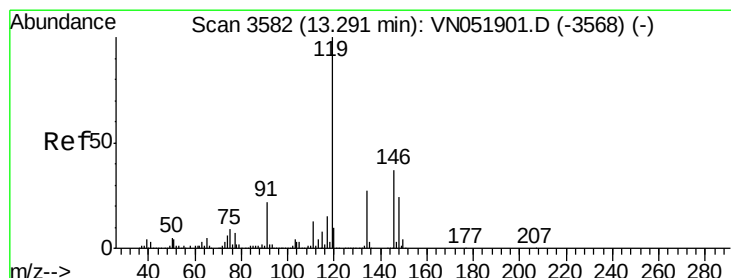
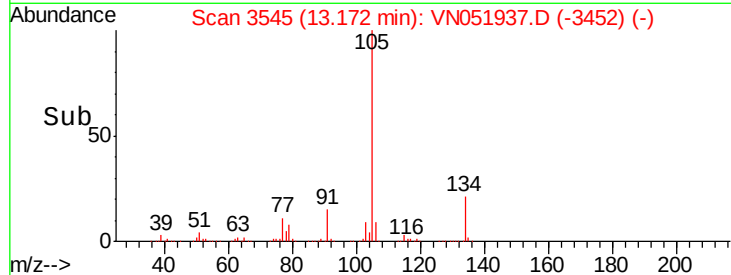
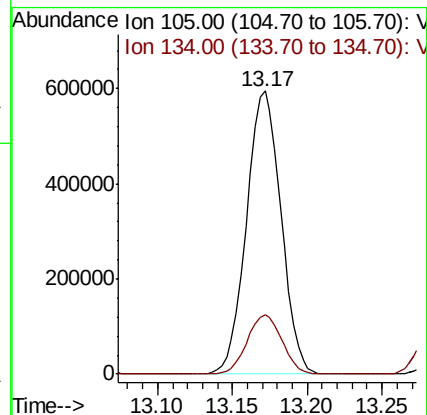
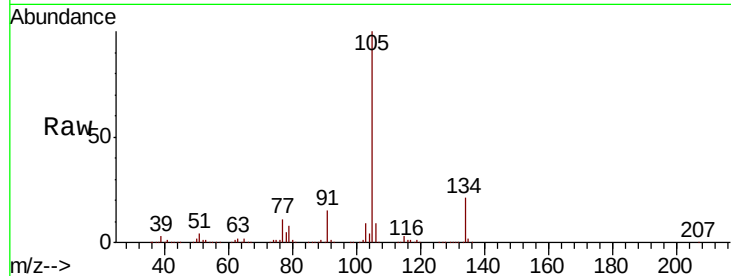
VN1019WBS01

Tot Ion:105 Resp: 955730

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.3



#86

p-Isopropyltoluene

Concen: 21.283 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

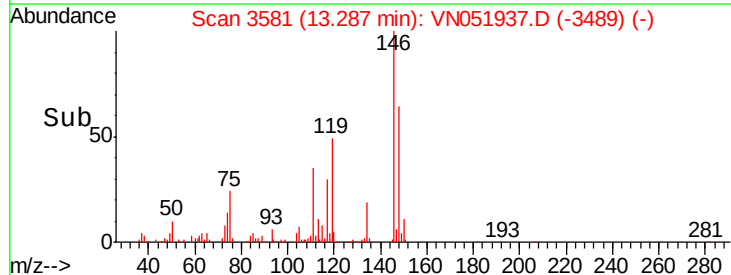
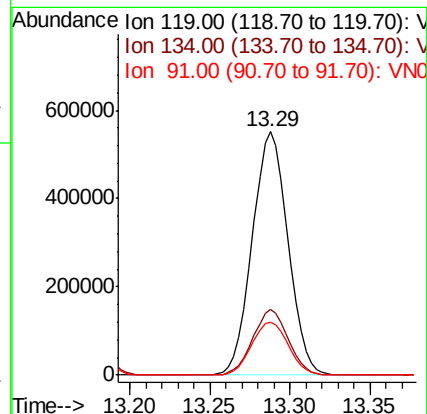
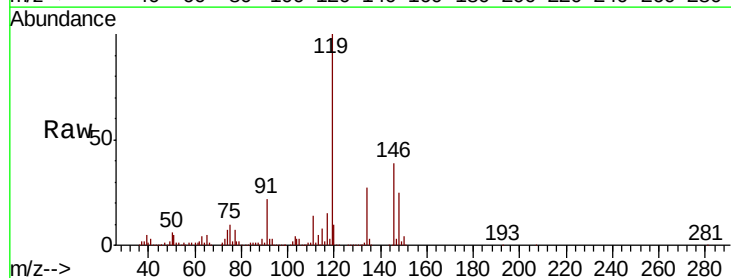
Tgt Ion:119 Resp: 838978

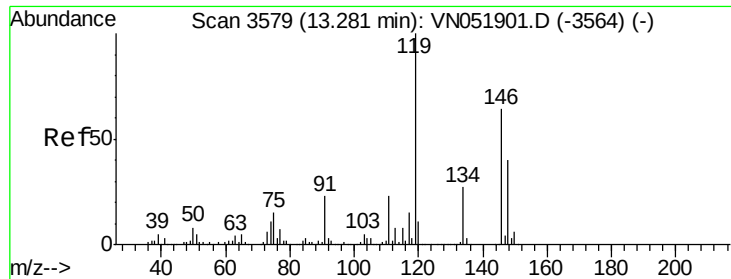
Ion Ratio Lower Upper

119 100

134 26.7 13.8 41.3

91 22.2 10.9 32.9

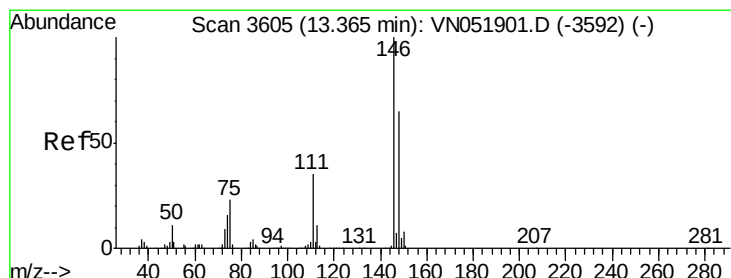
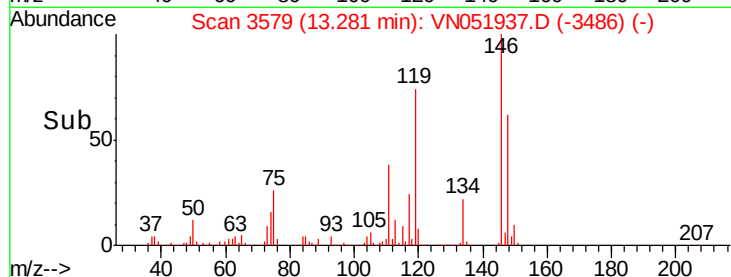
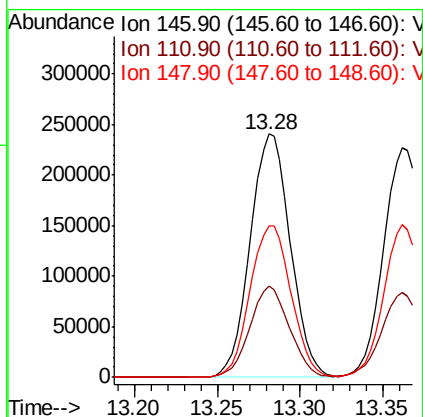
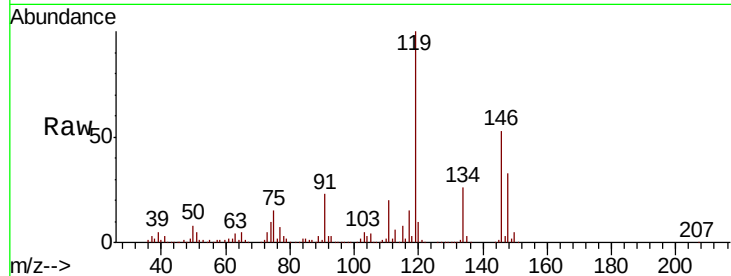




#87
 1,3-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

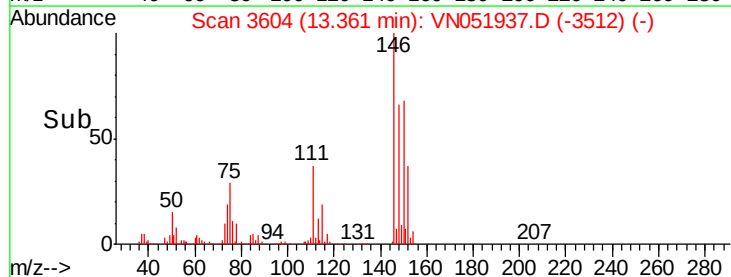
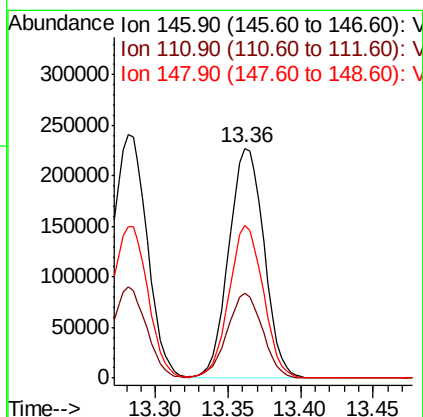
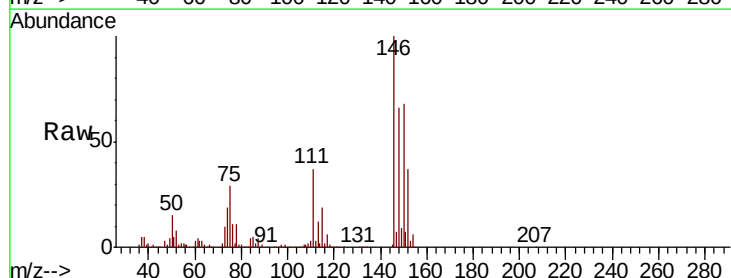
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

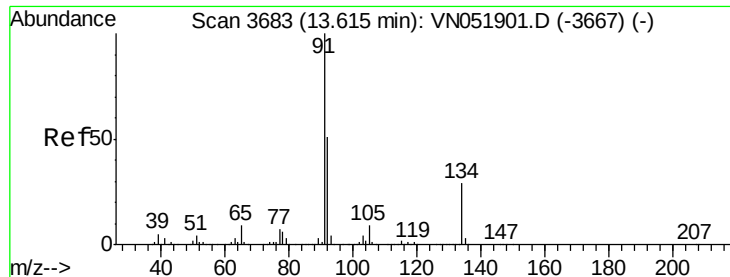
Tot Ion:146 Resp: 405822
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.3 54.8
 148 63.5 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.298 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion:146 Resp: 383121
 Ion Ratio Lower Upper
 146 100
 111 37.6 17.9 53.7
 148 64.9 32.8 98.3

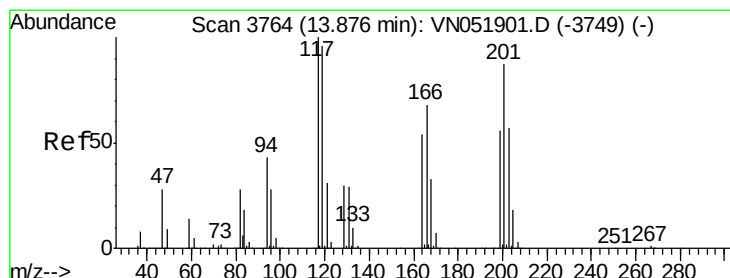
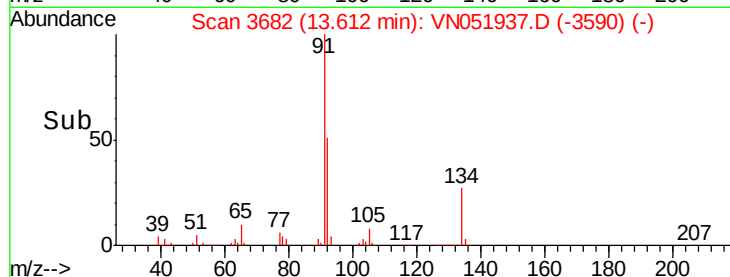
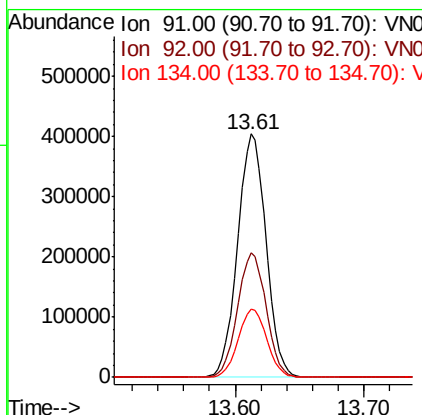
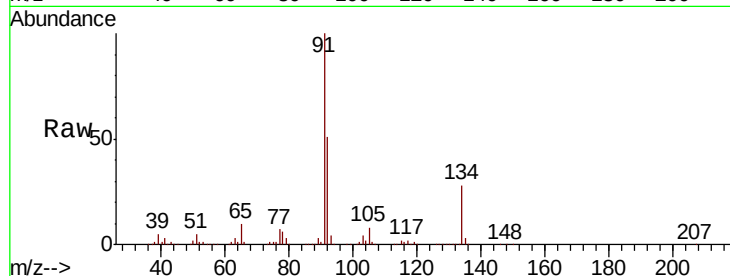




#89
n-Butylbenzene
Concen: 21.677 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

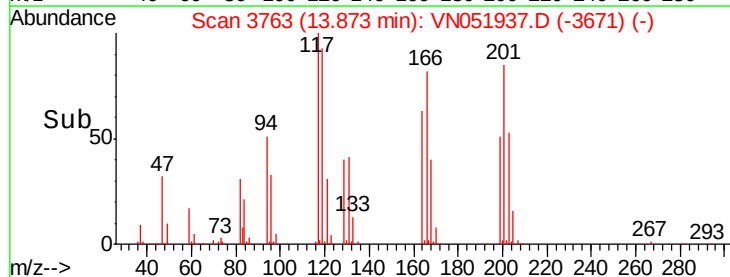
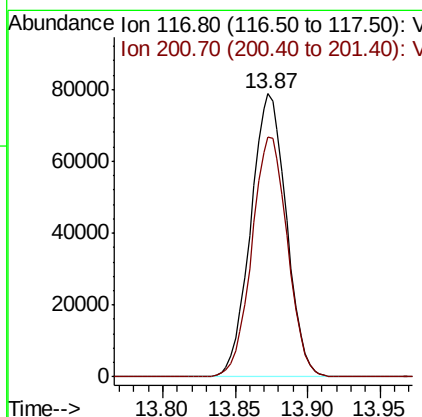
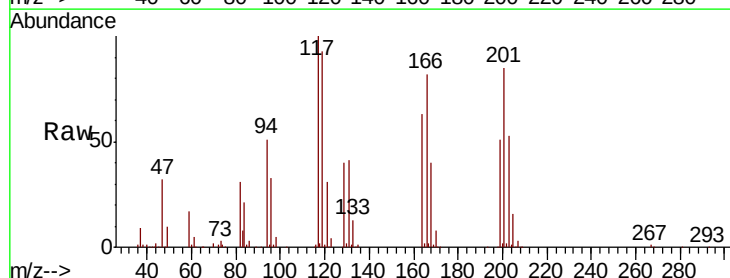
Instrument :
MSVOA_N
ClientSampled :
VN1019WBS01

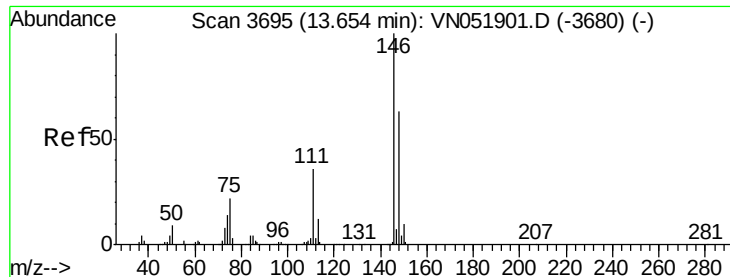
Tot Ion: 91 Resp: 619863
Ion Ratio Lower Upper
91 100
92 51.3 25.9 77.7
134 28.3 14.6 43.8



#90
Hexachloroethane
Concen: 20.441 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051937.D
Acq: 19 Oct 2018 10:27

Tgt Ion: 117 Resp: 134771
Ion Ratio Lower Upper
117 100
201 84.9 43.8 131.3

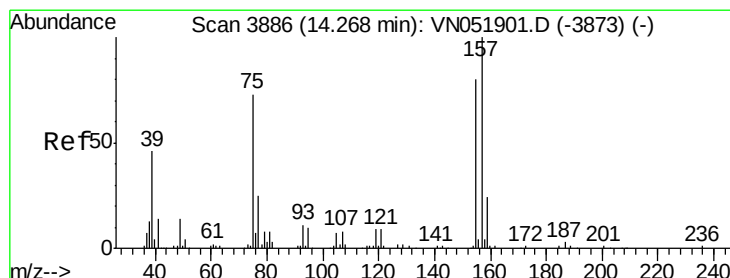
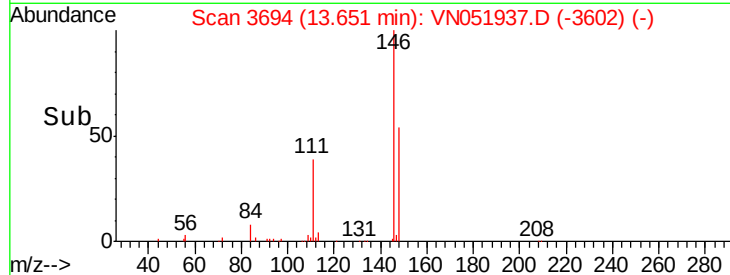
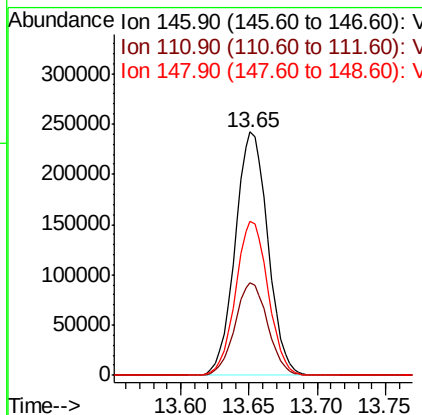
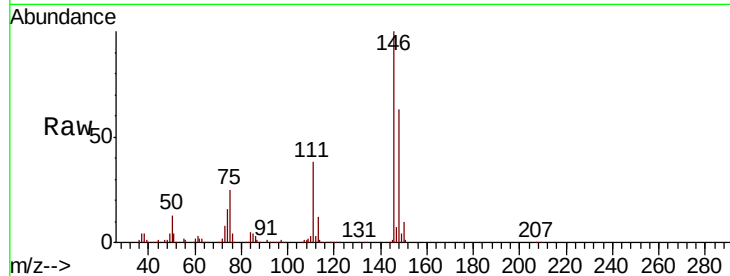




#91
 1,2-Dichlorobenzene
 Concen: 20.552 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

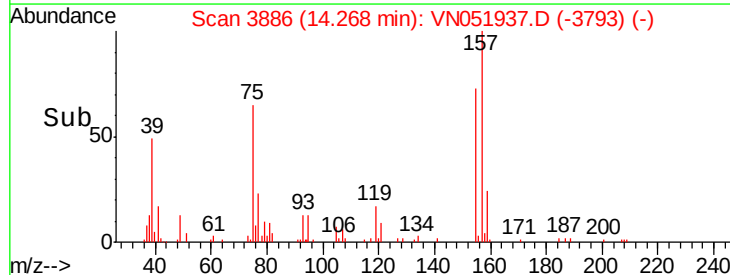
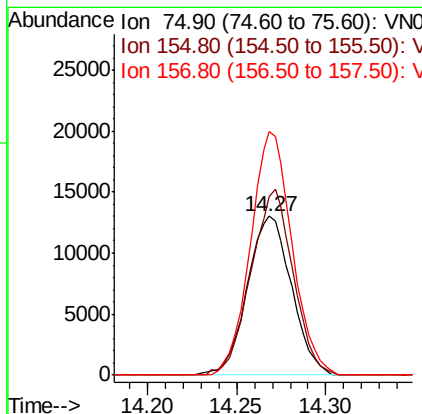
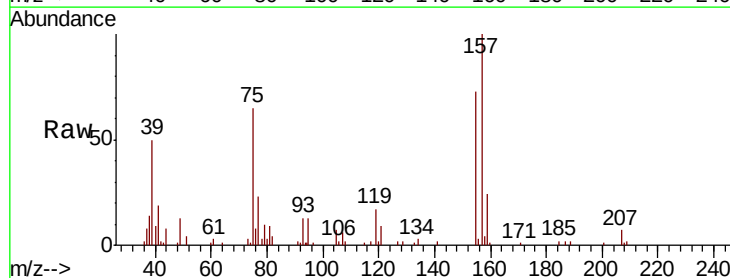
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

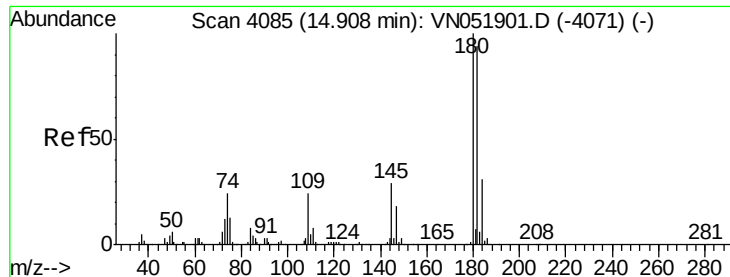
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	62.8	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.660 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.6	53.4	160.2
157	144.0	69.3	207.9

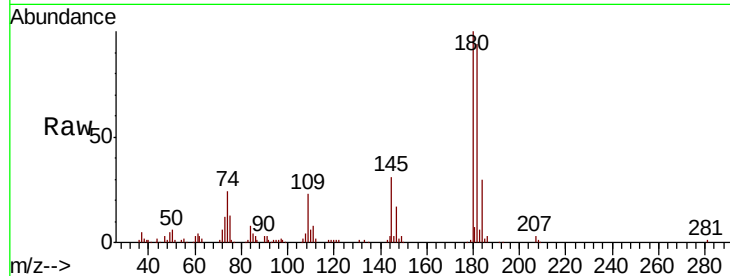




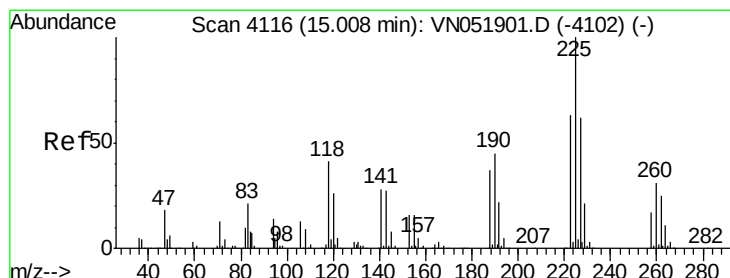
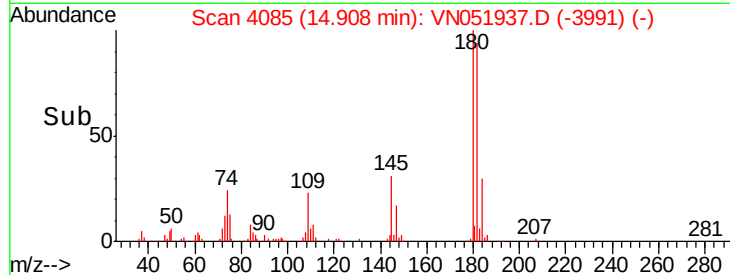
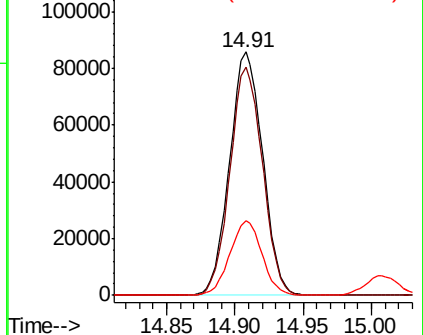
#93
 1,2,4-Trichlorobenzene
 Concen: 17.536 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1019WBS01

Tot Ion:180 Resp: 144640
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.3 141.9
 145 29.6 14.5 43.5

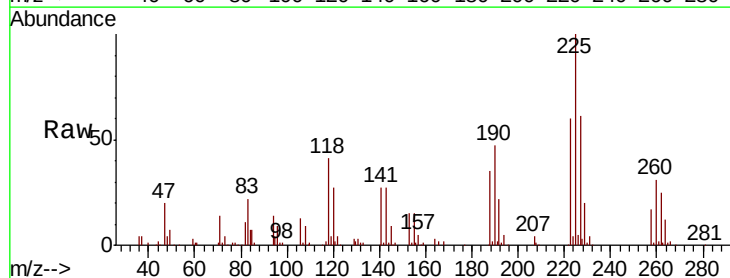


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

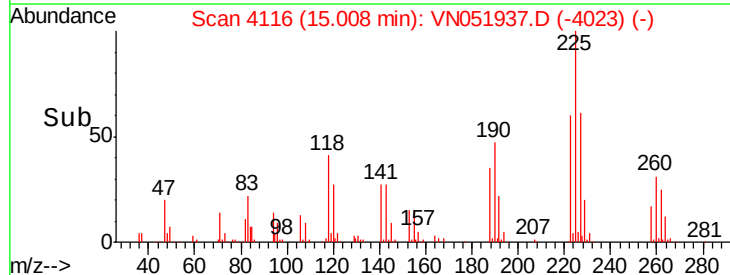
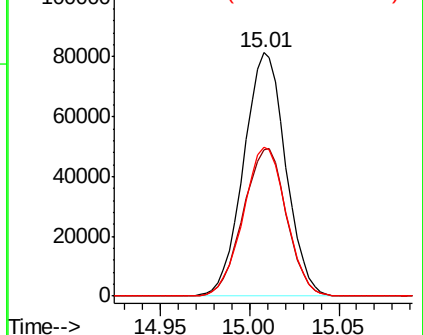


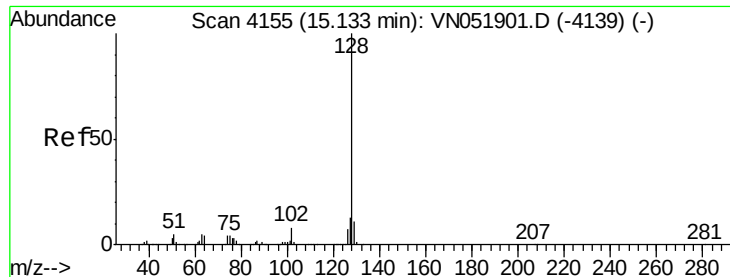
#94
 Hexachlorobutadiene
 Concen: 21.633 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051937.D
 Acq: 19 Oct 2018 10:27

Tgt Ion:225 Resp: 134011
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.0 96.2
 227 62.7 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.907 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

Instrument :

MSVOA_N

ClientSampleId :

VN1019WBS01

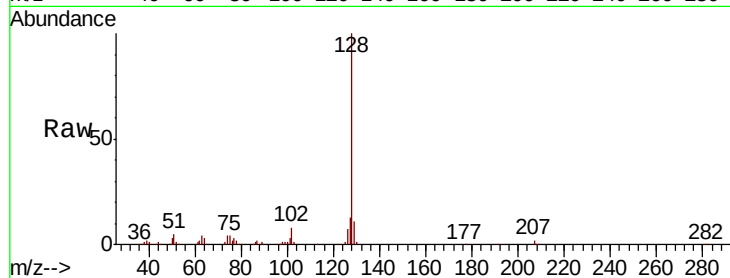
Tot Ion:128 Resp: 256828

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.1 8.5 12.7

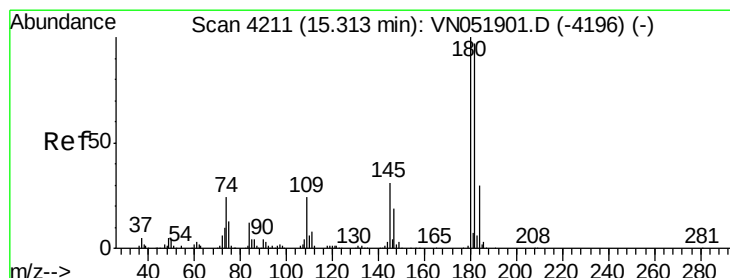
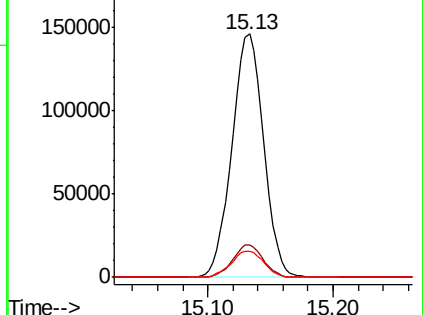
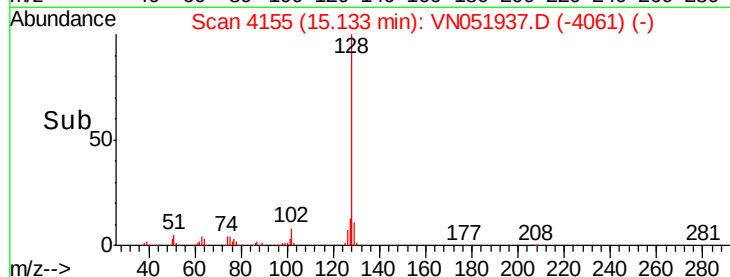


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.733 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051937.D

Acq: 19 Oct 2018 10:27

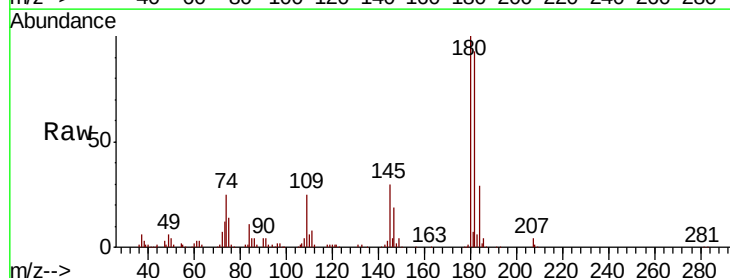
Tgt Ion:180 Resp: 149252

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.8

145 31.4 15.2 45.6



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

