

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051668.D
 Acq On : 4 Oct 2018 15:44
 Operator : MD\SY
 Sample : VN1004WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 06:44:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	513791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	789890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	356723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	344047	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	304470	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.09	98	1113783	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	358810	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	126633	20.404	ug/l	100
3) Chloromethane	2.06	50	135598	23.126	ug/l	100
4) Vinyl Chloride	2.18	62	217931	23.595	ug/l	99
5) Bromomethane	2.57	94	160350	22.575	ug/l	100
6) Chloroethane	2.70	64	143165	23.062	ug/l	99
7) Trichlorofluoromethane	3.01	101	210071	21.064	ug/l	97
8) Diethyl Ether	3.41	74	55956	20.790	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	103276	20.117	ug/l	96
10) Methyl Iodide	3.95	142	119322	19.095	ug/l	99
11) Tert butyl alcohol	4.80	59	48908	106.026	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	98678	20.623	ug/l	99
13) Acrolein	3.61	56	35168	122.033	ug/l	95
14) Allyl chloride	4.32	41	150821	20.667	ug/l	97
15) Acrylonitrile	5.00	53	170389	107.043	ug/l	99
16) Acetone	3.82	43	126386	99.863	ug/l	98
17) Carbon Disulfide	4.05	76	290608	19.981	ug/l	99
18) Methyl Acetate	4.33	43	80078	21.375	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	325717	20.623	ug/l	99
20) Methylene Chloride	4.55	84	113699	20.360	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	110359	19.464	ug/l	98
22) Diisopropyl ether	5.96	45	320592	20.494	ug/l	100
23) Vinyl Acetate	5.90	43	1188975	103.368	ug/l	99
24) 1,1-Dichloroethane	5.85	63	204781	20.354	ug/l	99
25) 2-Butanone	6.84	43	205570	104.885	ug/l	99
26) 2,2-Dichloropropane	6.83	77	202154	20.051	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	129163	19.623	ug/l	99
28) Bromochloromethane	7.20	49	89882	20.180	ug/l	98
29) Tetrahydrofuran	7.22	42	133973	111.388	ug/l	99
30) Chloroform	7.37	83	225098	19.913	ug/l	96
31) Cyclohexane	7.65	56	183065	19.868	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	216015	19.715	ug/l	99
36) 1,1-Dichloropropene	7.80	75	163802	19.840	ug/l	99
37) Ethyl Acetate	6.93	43	95621	22.206	ug/l	98
38) Carbon Tetrachloride	7.78	117	192636	19.444	ug/l	99

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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	204731	19.754	ug/l	100
40) Benzene	8.04	78	486583	19.880	ug/l	98
41) Methacrylonitrile	7.21	41	134643	60.751	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	168692	20.451	ug/l	99
43) Isopropyl Acetate	8.17	43	197411	21.989	ug/l #	89
44) Trichloroethene	8.84	130	138118	19.874	ug/l	95
45) 1,2-Dichloropropane	9.12	63	122616	20.263	ug/l	100
46) Dibromomethane	9.21	93	83314	19.808	ug/l	99
47) Bromodichloromethane	9.40	83	182718	19.733	ug/l	99
48) Methyl methacrylate	9.20	41	85907	20.941	ug/l	98
49) 1,4-Dioxane	9.20	88	24793	403.048	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	494398	108.675	ug/l	98
52) Toluene	10.16	92	313703	19.271	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183456	19.201	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	199658	19.679	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	116390	20.070	ug/l	97
56) Ethyl methacrylate	10.43	69	147556	20.121	ug/l	92
57) 1,3-Dichloropropane	10.71	76	180475	19.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	315918	104.088	ug/l	98
59) 2-Hexanone	10.75	43	332085	107.485	ug/l	94
60) Dibromochloromethane	10.90	129	146898	19.357	ug/l	99
61) 1,2-Dibromoethane	11.01	107	117950	19.240	ug/l	99
64) Tetrachloroethene	10.63	164	125481	19.860	ug/l	99
65) Chlorobenzene	11.44	112	346411	19.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	139417	19.631	ug/l	99
67) Ethyl Benzene	11.51	91	600052	19.573	ug/l	98
68) m/p-Xylenes	11.62	106	476835	38.873	ug/l	99
69) o-Xylene	11.95	106	235557	19.581	ug/l	99
70) Styrene	11.97	104	366042	19.096	ug/l	99
71) Bromoform	12.13	173	97693	18.494	ug/l #	99
73) Isopropylbenzene	12.25	105	628279	20.661	ug/l	100
74) N-amyl acetate	12.07	43	153083	22.556	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	141166	21.757	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	175463	38.655	ug/l #	100
77) Bromobenzene	12.53	156	145573	19.579	ug/l	97
78) n-propylbenzene	12.59	91	678154	20.447	ug/l	99
79) 2-Chlorotoluene	12.68	91	399194	20.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	518136	20.219	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39128	20.163	ug/l	92
82) 4-Chlorotoluene	12.77	91	385403	19.627	ug/l	100
83) tert-Butylbenzene	12.99	119	479238	20.871	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	519429	20.236	ug/l	100
85) sec-Butylbenzene	13.17	105	621877	20.474	ug/l	99
86) p-Isopropyltoluene	13.29	119	544419	20.218	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	253302	19.551	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	240814	18.884	ug/l	98
89) n-Butylbenzene	13.62	91	418426	19.653	ug/l	99
90) Hexachloroethane	13.88	117	111068	20.674	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	247030	19.180	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22965	21.499	ug/l	95

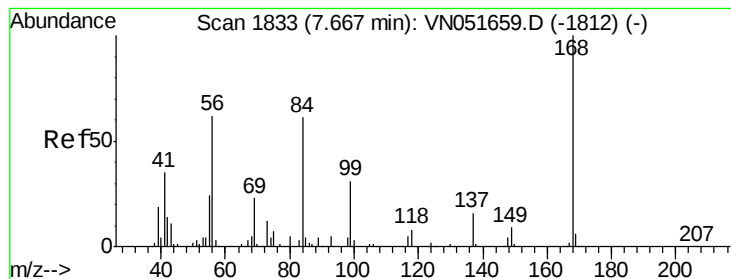
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	96181	16.782	ug/l	99
94) Hexachlorobutadiene	15.01	225	77045	19.814	ug/l	99
95) Naphthalene	15.13	128	211271	17.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	100235	17.758	ug/l	98

(#) = 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: VN051668.D

Acq: 4 Oct 2018 15:44

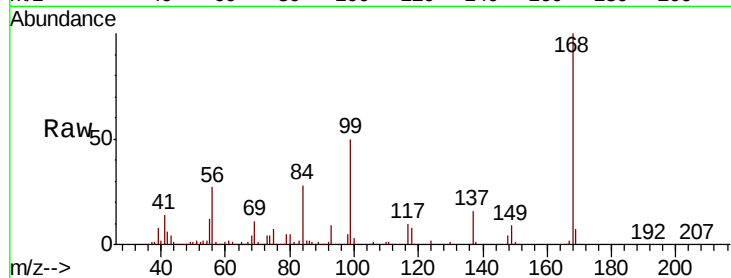
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 513791

Ion Ratio Lower Upper

168 100

99 49.8 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

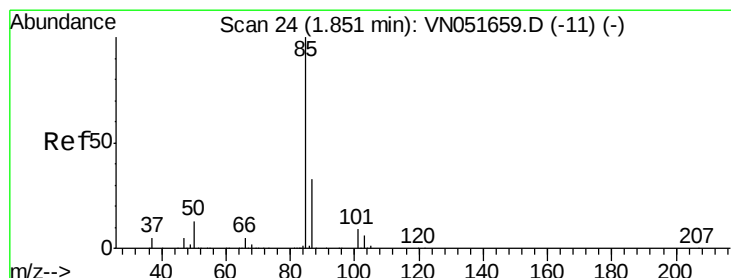
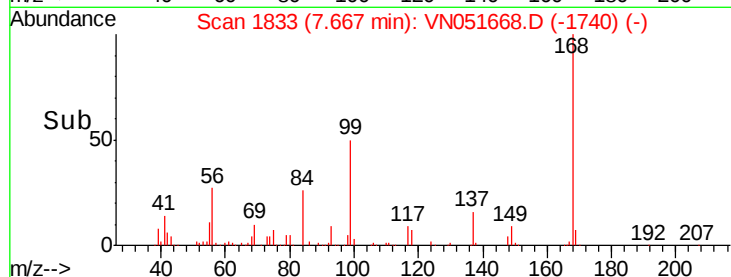
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.404 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051668.D

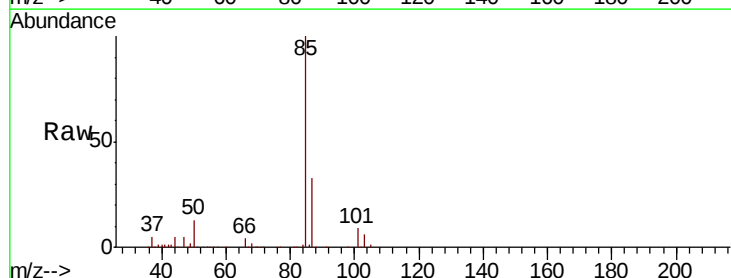
Acq: 4 Oct 2018 15:44

Tgt Ion: 85 Resp: 126633

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

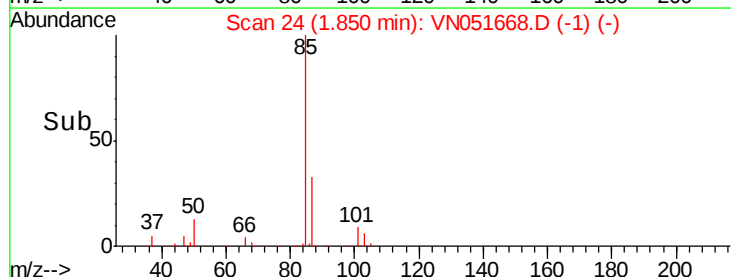
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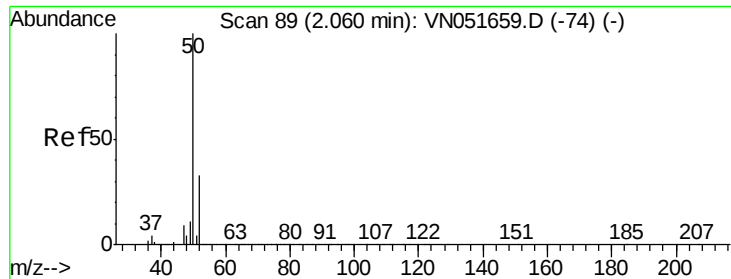
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 23.126 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

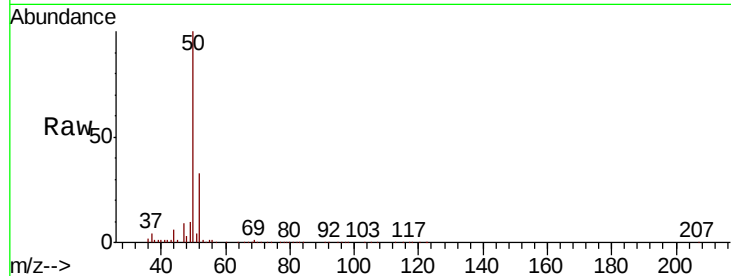
ClientSampled :

Tot Ion: 50 Resp: 135598

Ion Ratio Lower Upper

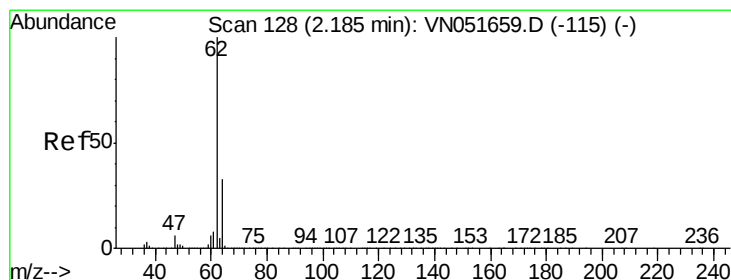
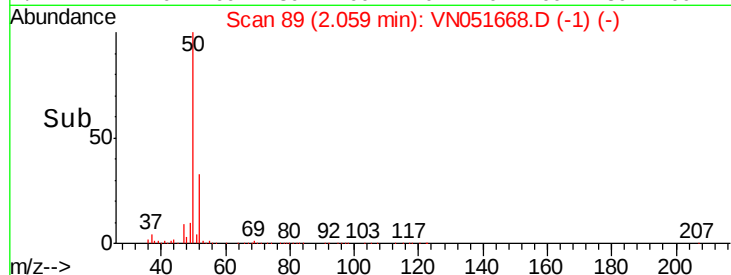
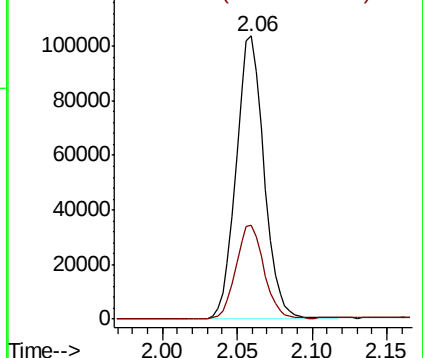
50 100

52 33.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 23.595 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051668.D

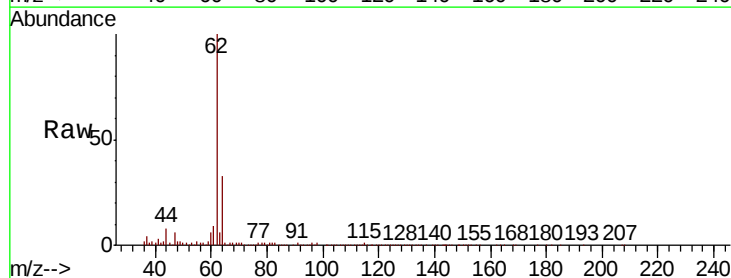
Acq: 4 Oct 2018 15:44

Tgt Ion: 62 Resp: 217931

Ion Ratio Lower Upper

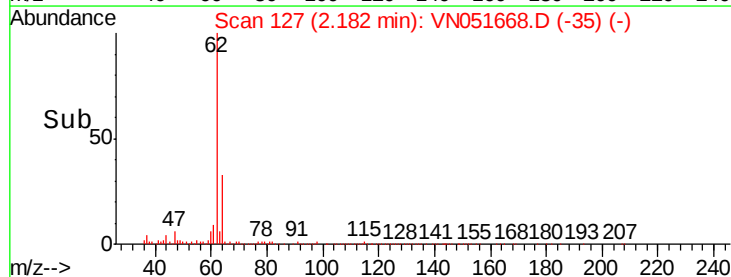
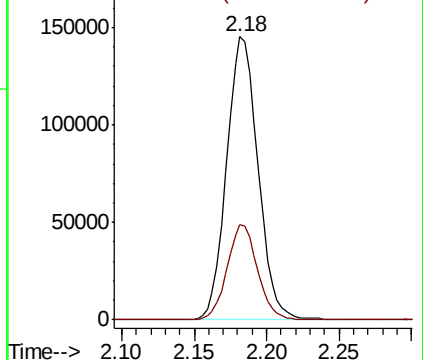
62 100

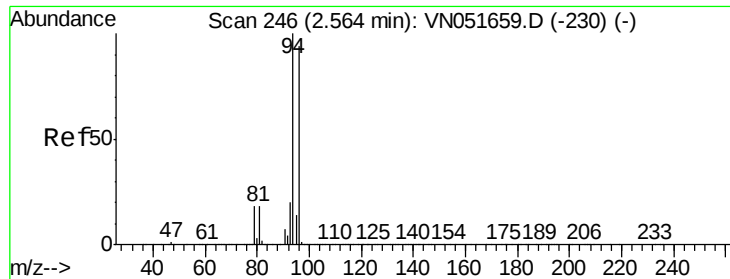
64 33.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 22.575 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

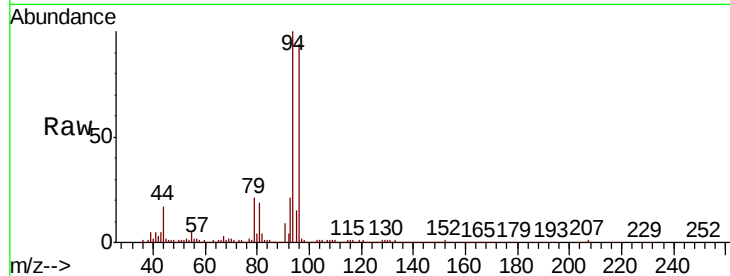
ClientSampleId :

Tot Ion: 94 Resp: 160350

Ion Ratio Lower Upper

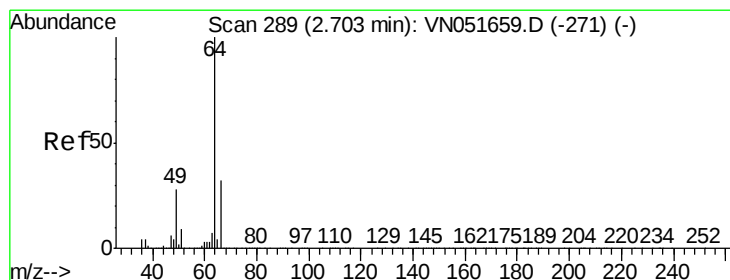
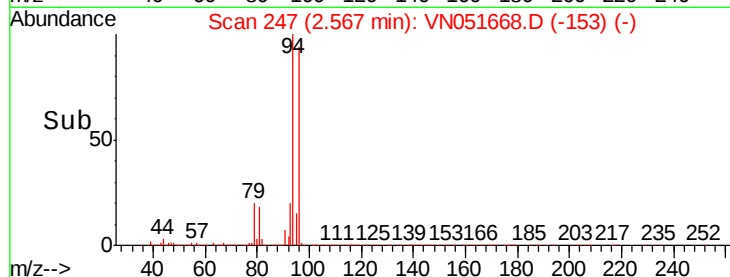
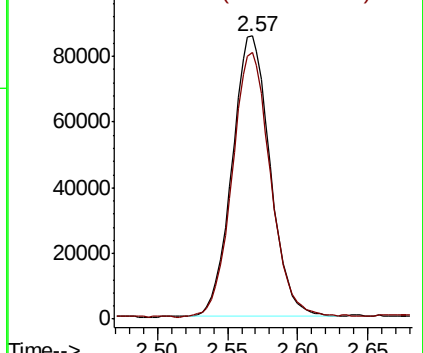
94 100

96 94.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 23.062 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051668.D

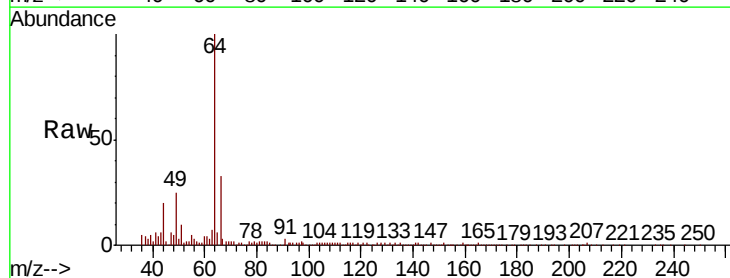
Acq: 4 Oct 2018 15:44

Tgt Ion: 64 Resp: 143165

Ion Ratio Lower Upper

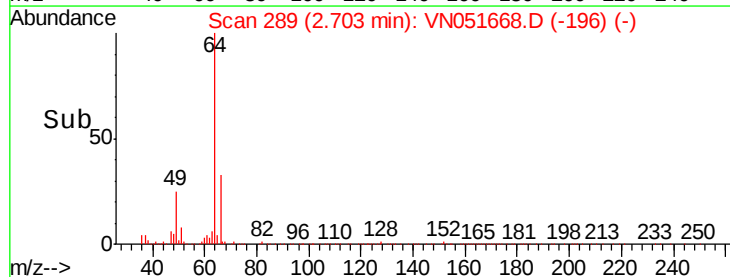
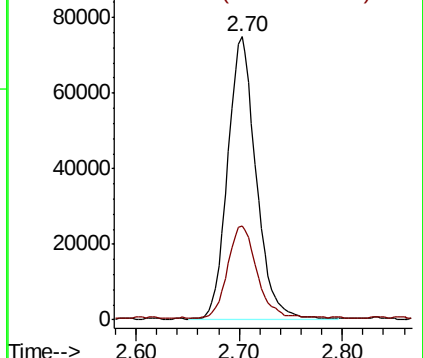
64 100

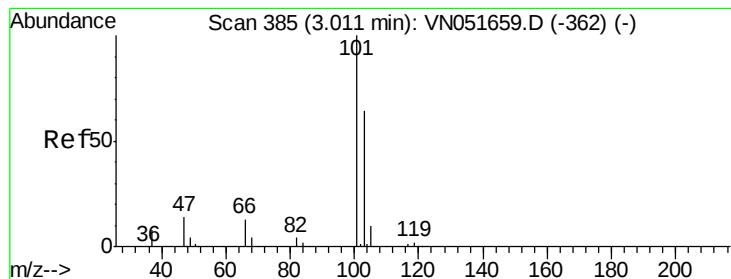
66 32.8 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



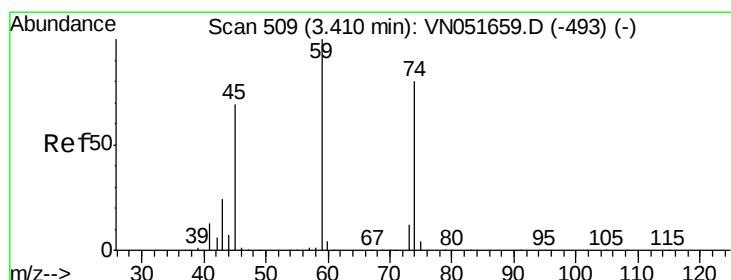
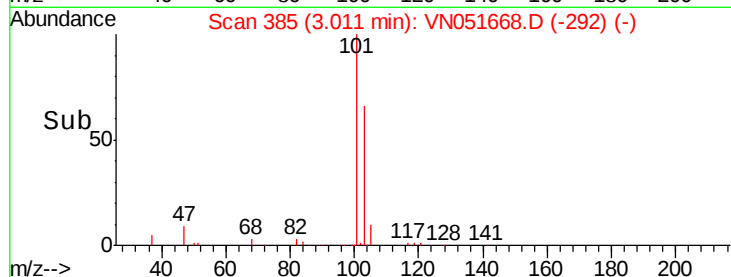
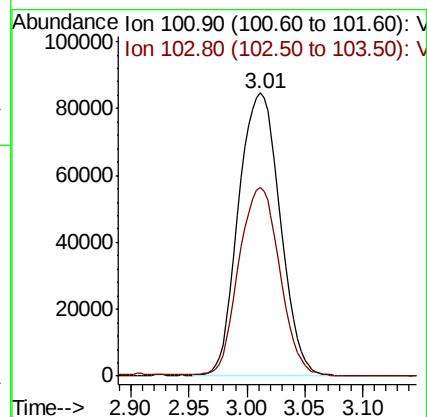
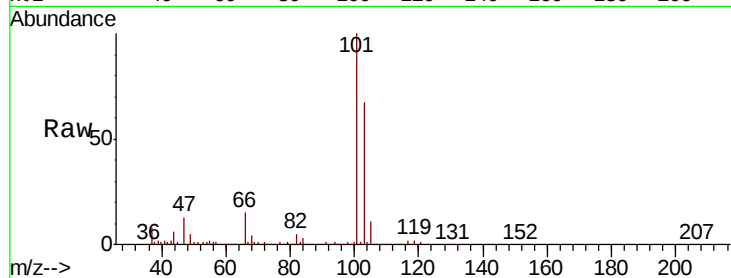


#7

Trichlorofluoromethane
 Concen: 21.064 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :

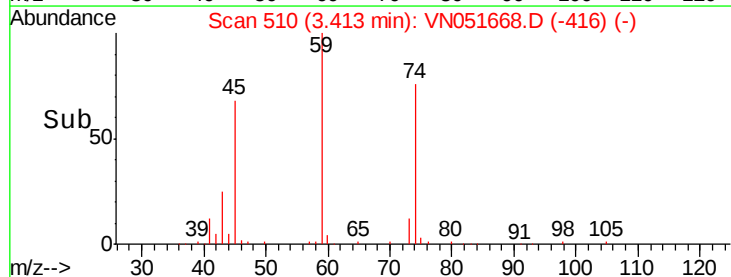
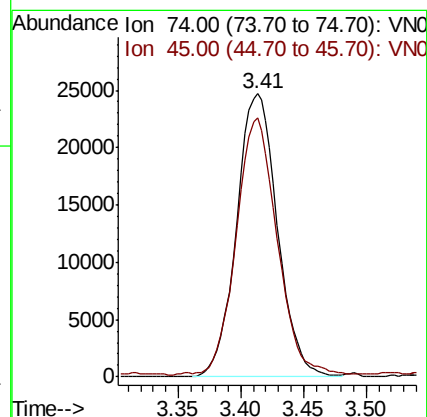
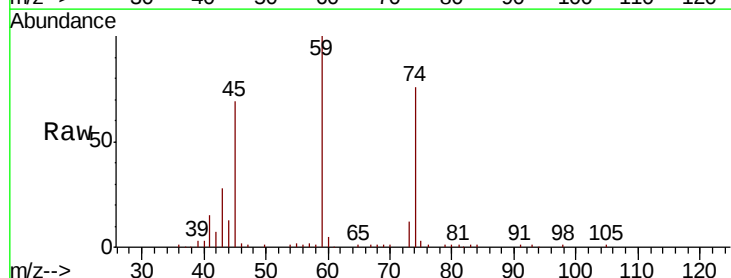
Tot Ion:101 Resp: 210071
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.1 76.7

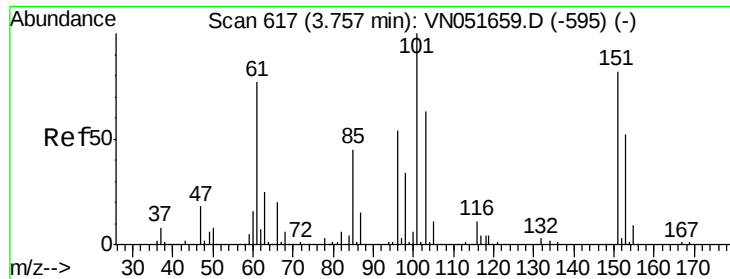


#8

Diethyl Ether
 Concen: 20.790 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 74 Resp: 55956
 Ion Ratio Lower Upper
 74 100
 45 89.8 44.3 132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.117 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampled :

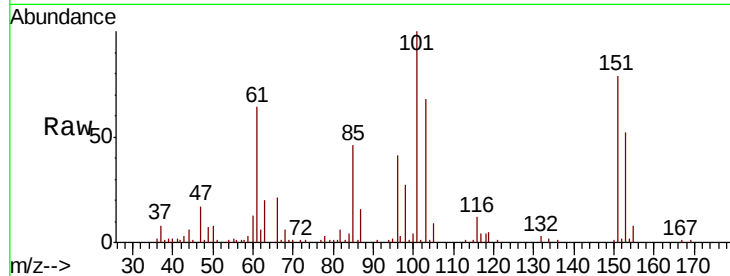
Tot Ion:101 Resp: 103276

Ion Ratio Lower Upper

101 100

85 46.9 35.6 53.4

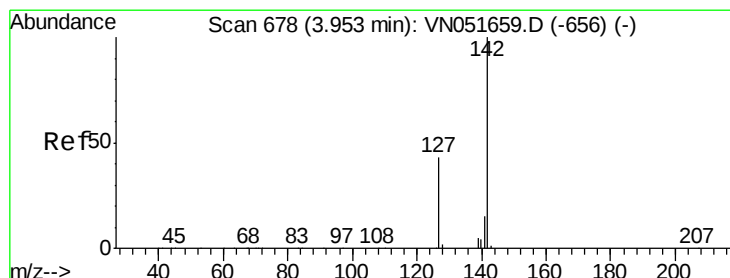
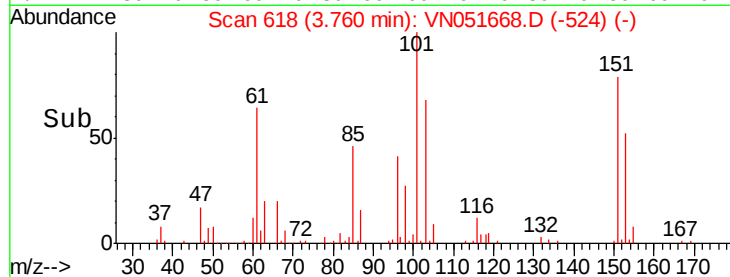
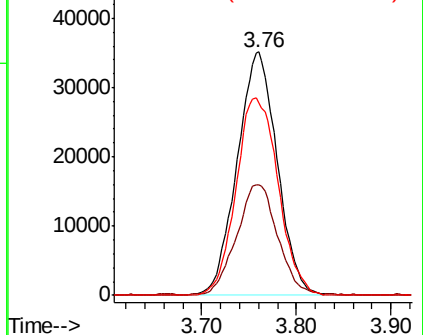
151 85.3 65.5 98.3



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: 19.095 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

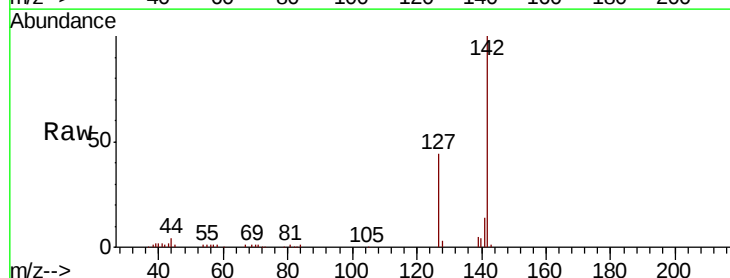
Tgt Ion:142 Resp: 119322

Ion Ratio Lower Upper

142 100

127 43.2 34.7 52.1

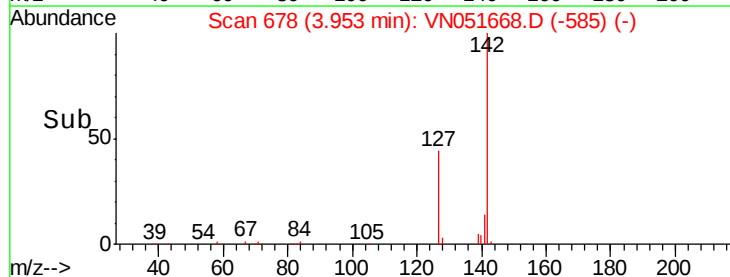
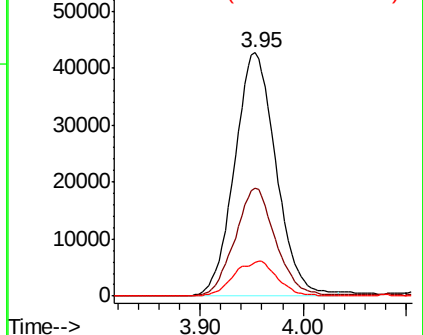
141 15.0 11.4 17.2

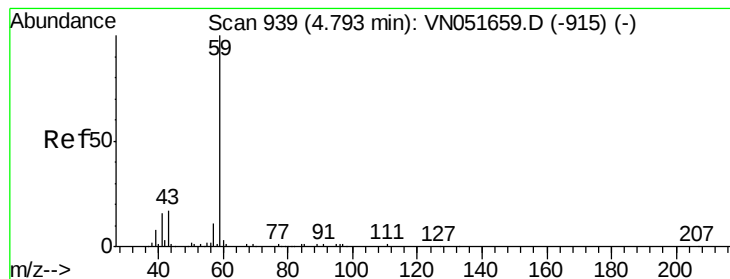


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



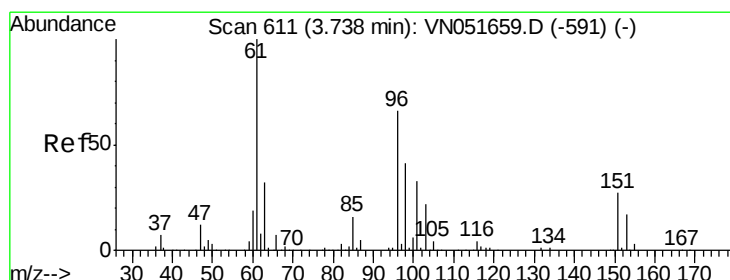
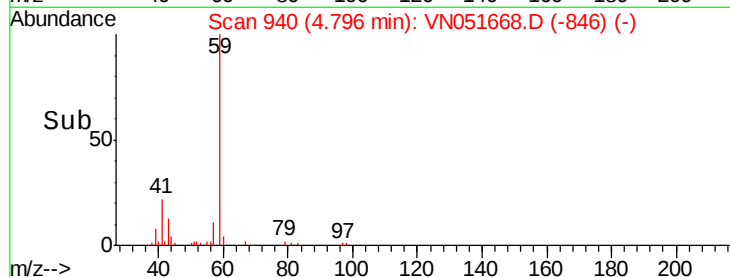
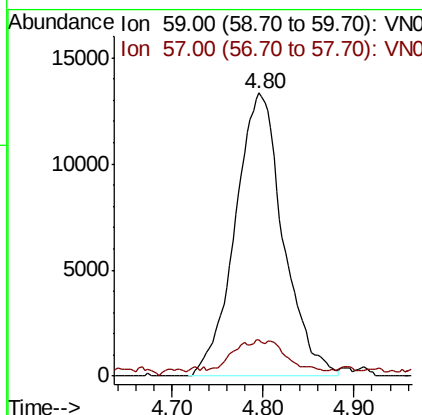
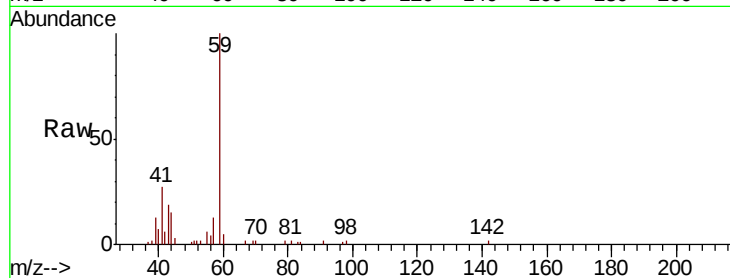


#11

Tert butyl alcohol
 Concen: 106.026 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampled :

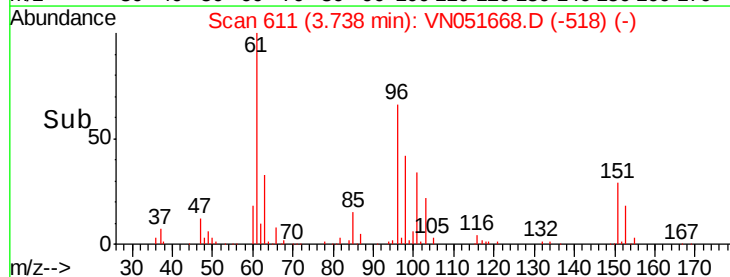
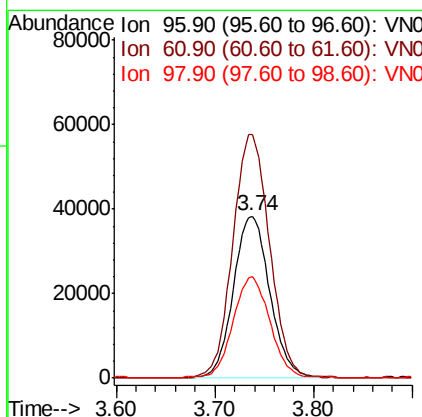
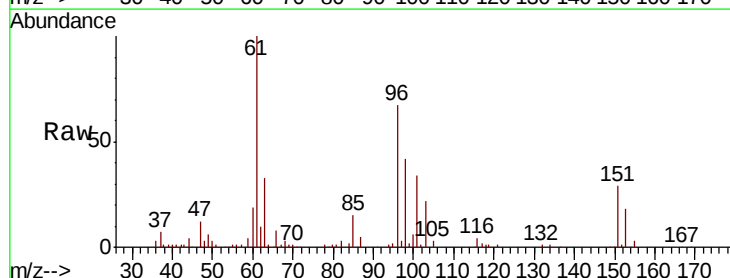
Tot Ion: 59 Resp: 48908
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

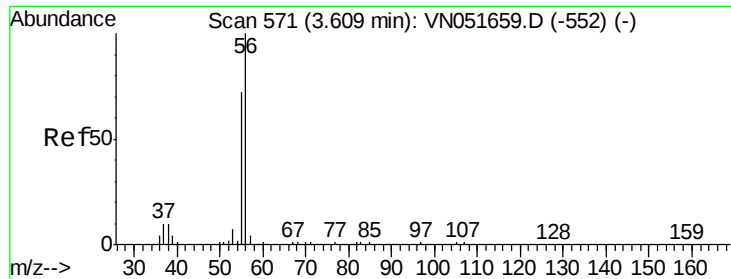


#12

1,1-Dichloroethene
 Concen: 20.623 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 96 Resp: 98678
 Ion Ratio Lower Upper
 96 100
 61 150.1 121.4 182.0
 98 62.5 49.9 74.9





#13

Acrolein

Concen: 122.033 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

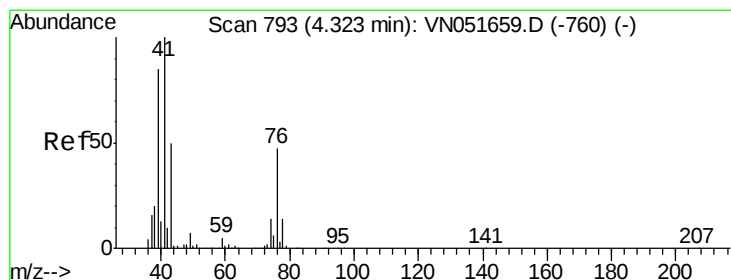
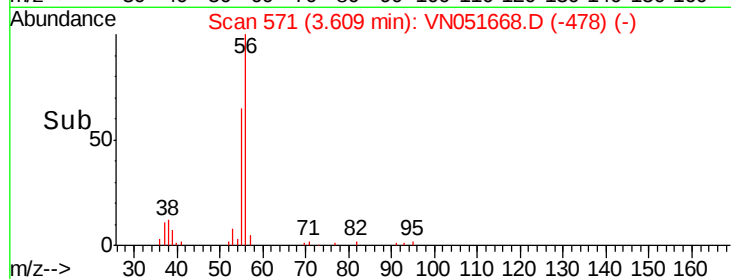
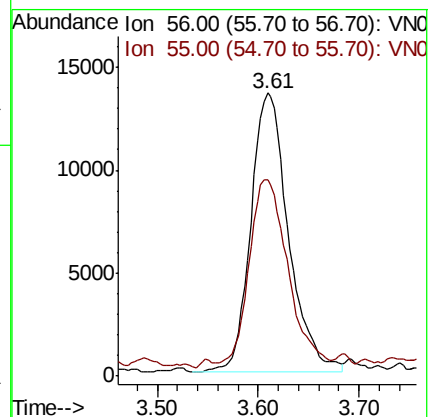
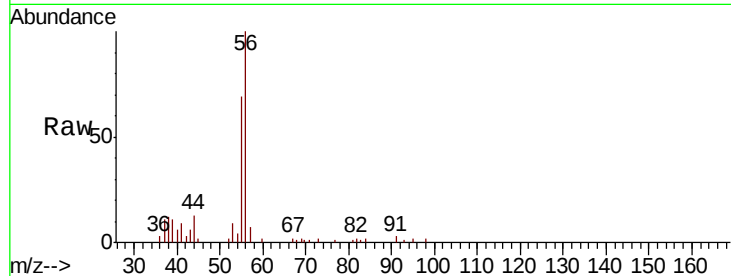
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 35168

Ion Ratio Lower Upper

56 100

55 68.0 57.5 86.3



#14

Allyl chloride

Concen: 20.667 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

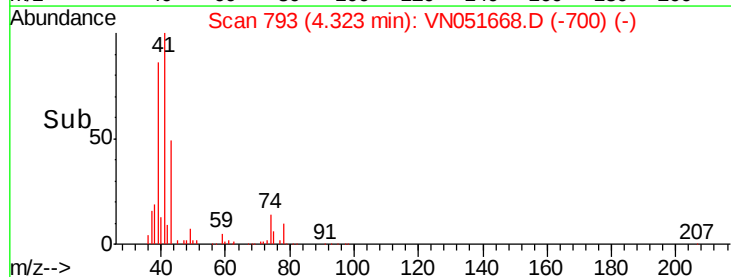
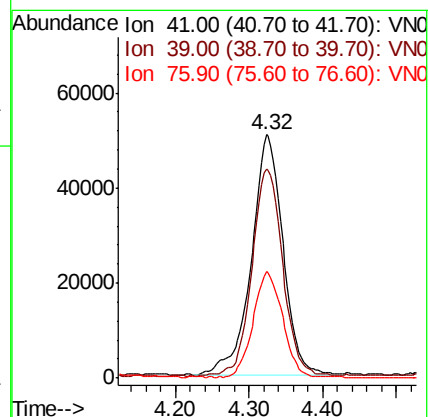
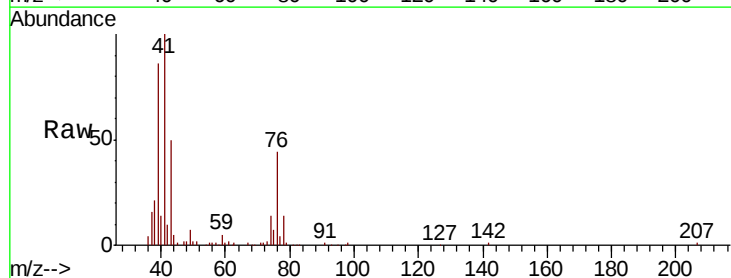
Tgt Ion: 41 Resp: 150821

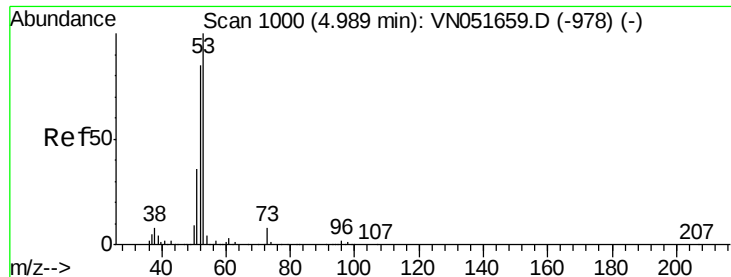
Ion Ratio Lower Upper

41 100

39 83.9 65.4 98.0

76 40.7 34.3 51.5





#15

Acrylonitrile

Concen: 107.043 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

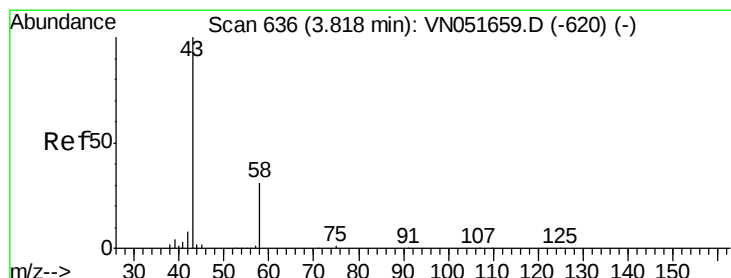
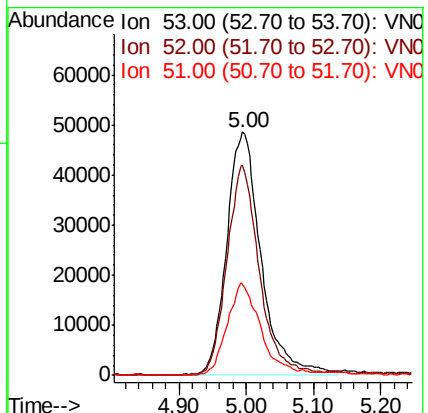
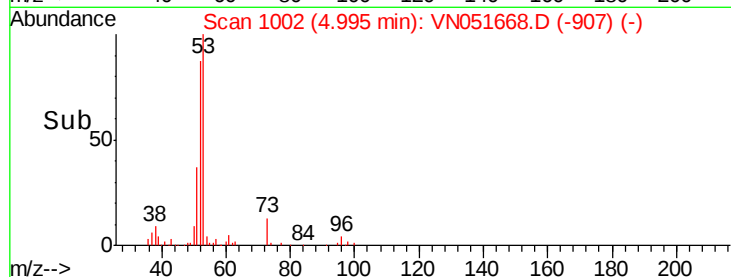
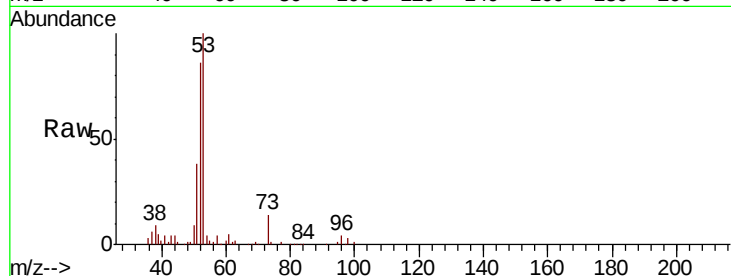
Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 170389

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	37.2	30.3	45.5



#16

Acetone

Concen: 99.863 ug/l

RT: 3.82 min Scan# 637

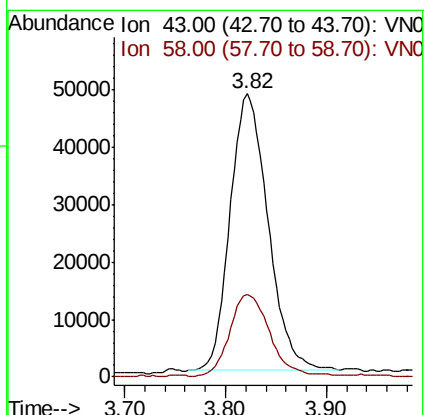
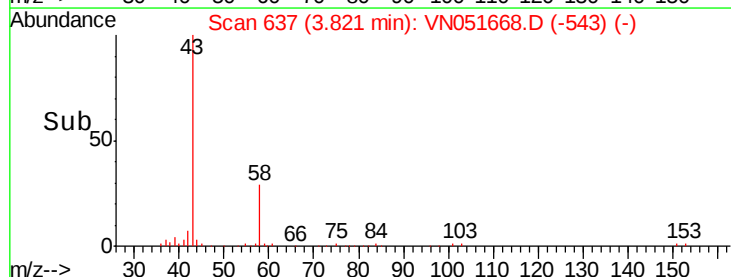
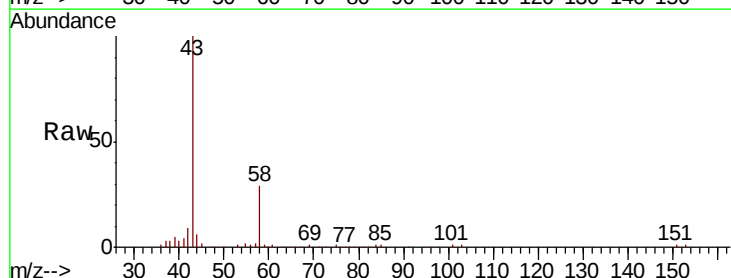
Delta R.T. 0.00 min

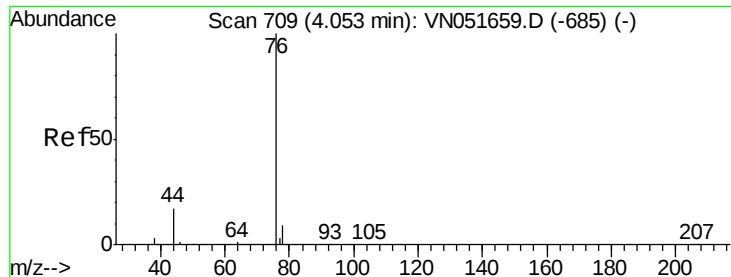
Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion: 43 Resp: 126386

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.3	36.5

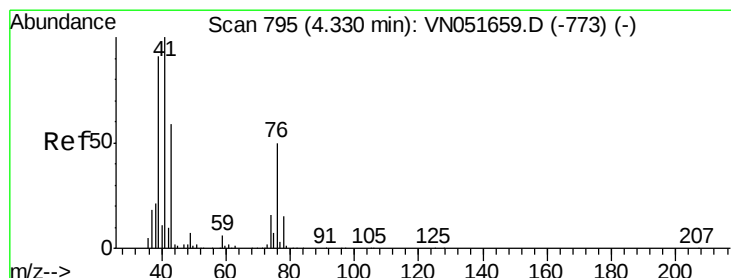
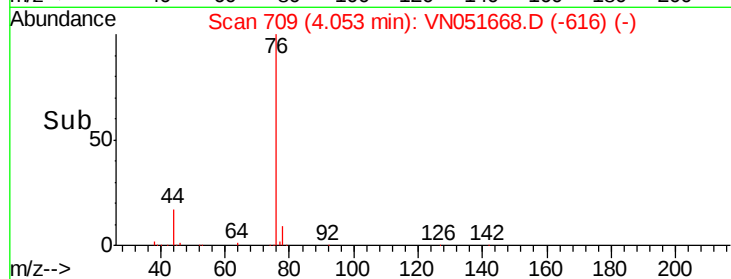
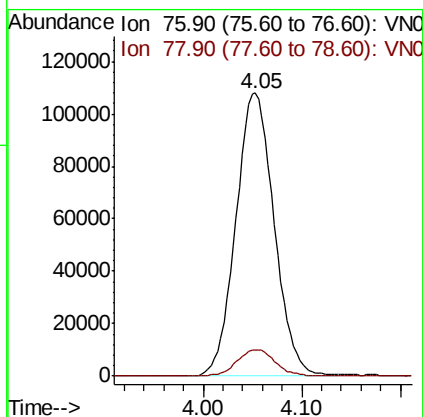
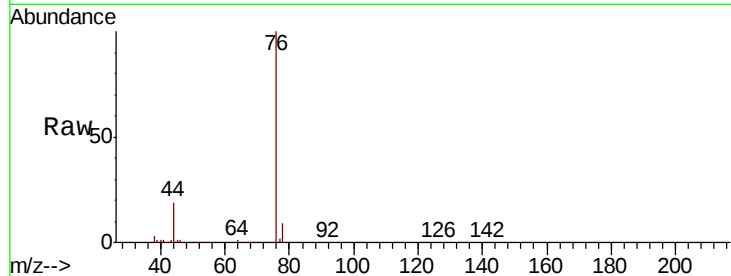




#17
Carbon Disulfide
Concen: 19.981 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

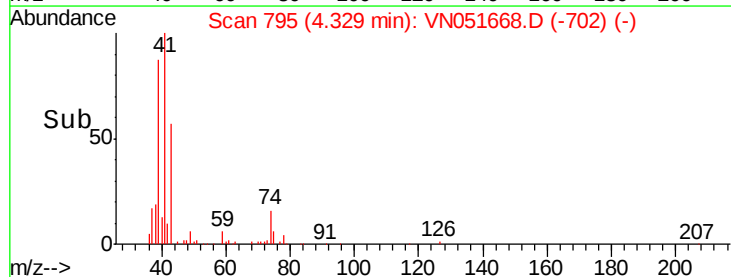
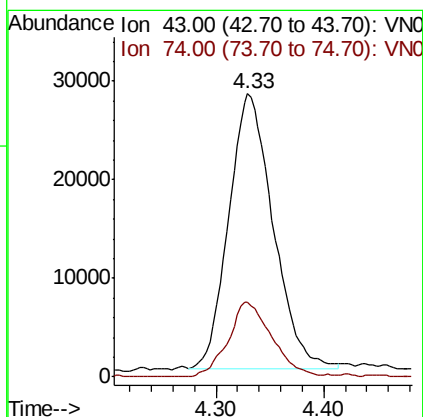
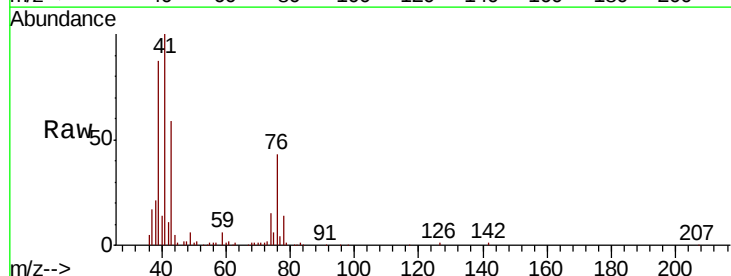
Instrument :
MSVOA_N
ClientSampled :

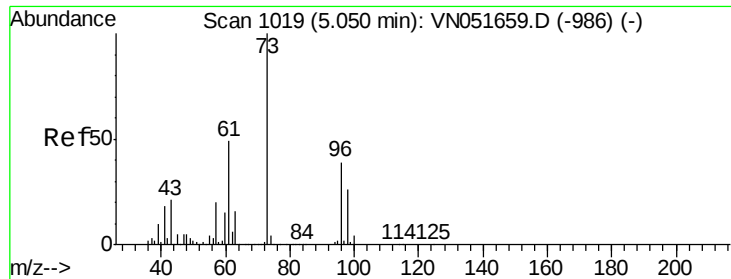
Tot Ion: 76 Resp: 290608
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8



#18
Methyl Acetate
Concen: 21.375 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 43 Resp: 80078
Ion Ratio Lower Upper
43 100
74 26.7 21.5 32.3

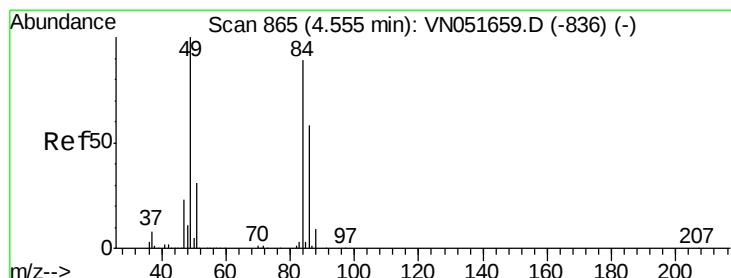
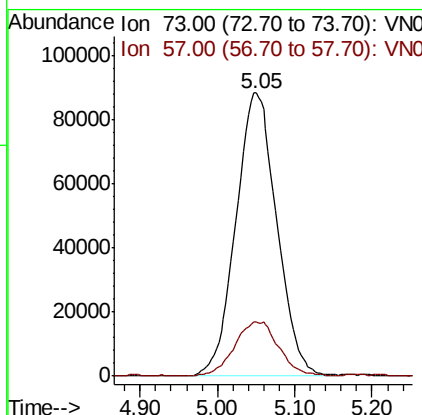
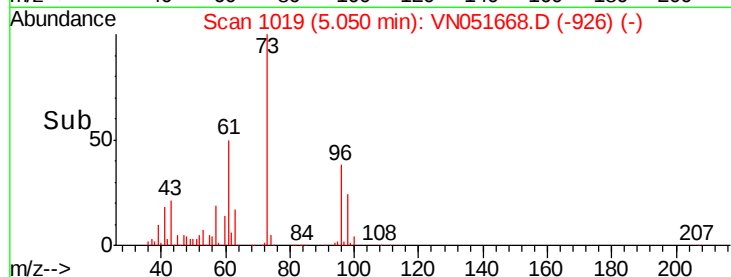
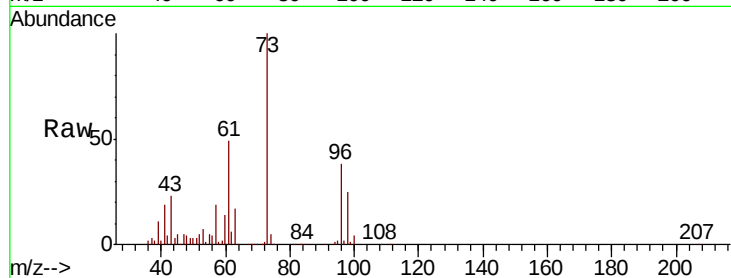




#19
Methvl tert-butvl Ether
Concen: 20.623 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

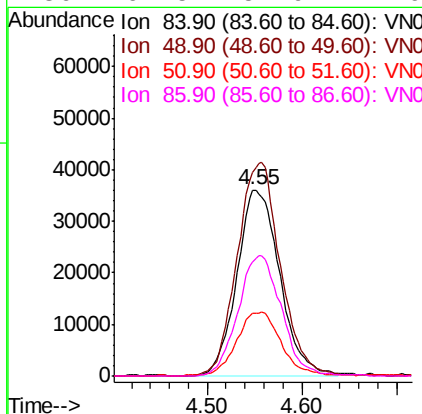
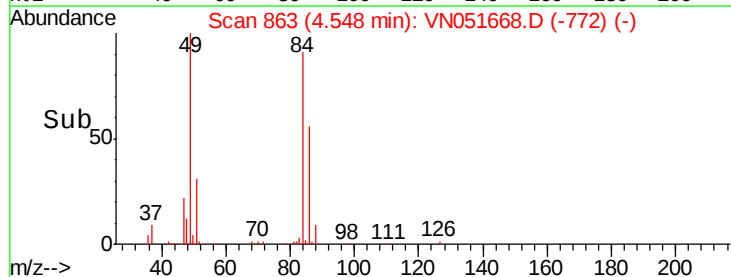
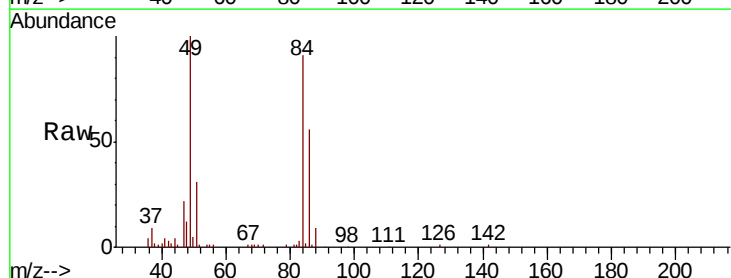
Instrument :
MSVOA_N
ClientSampleId :

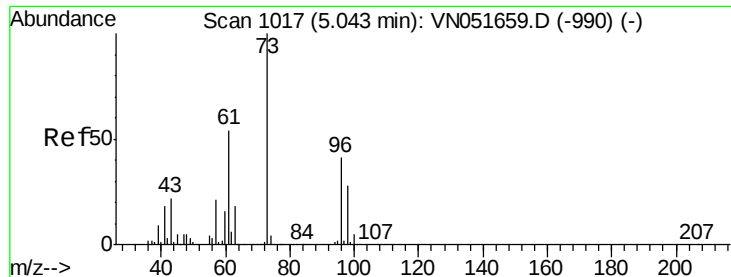
Tot Ion: 73 Resp: 325717
Ion Ratio Lower Upper
73 100
57 19.1 15.6 23.4



#20
Methylene Chloride
Concen: 20.360 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 84 Resp: 113699
Ion Ratio Lower Upper
84 100
49 109.4 89.5 134.3
51 32.7 27.4 41.0
86 61.5 51.9 77.9

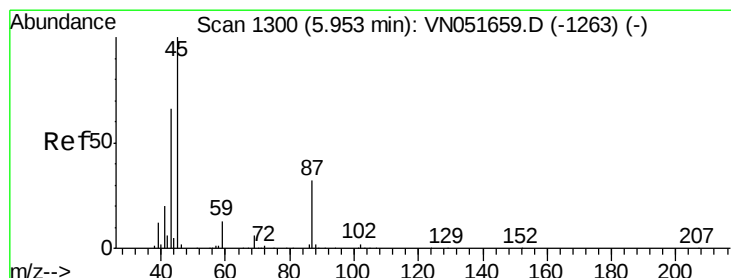
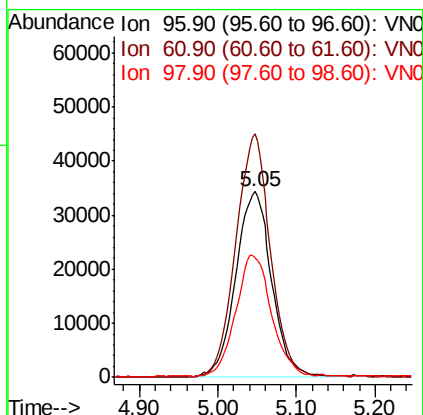
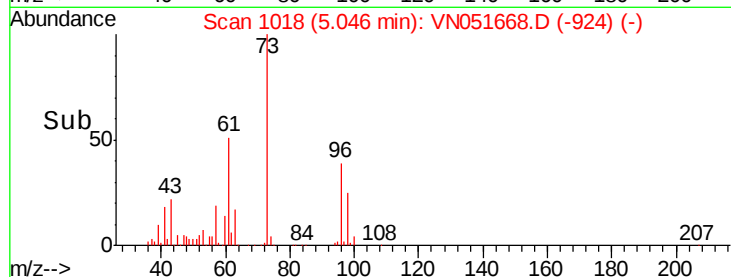
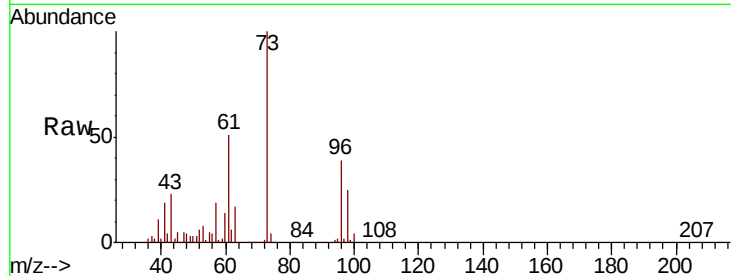




#21
trans-1,2-Dichloroethene
Concen: 19.464 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

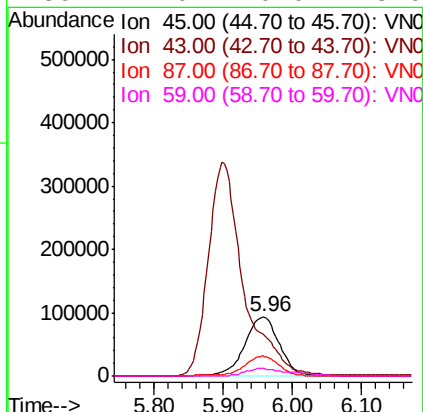
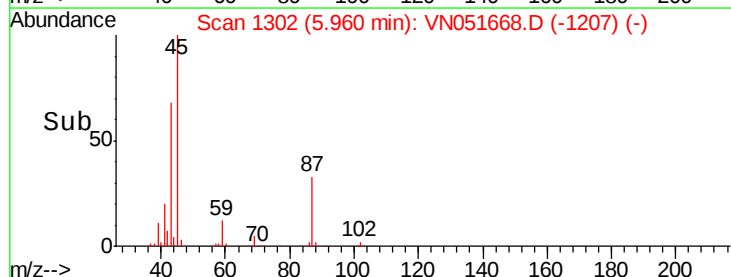
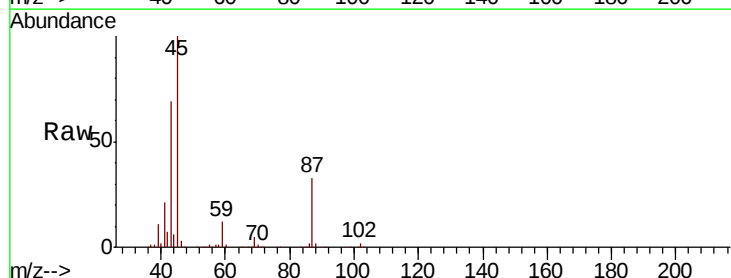
Instrument :
MSVOA_N
ClientSampleId :

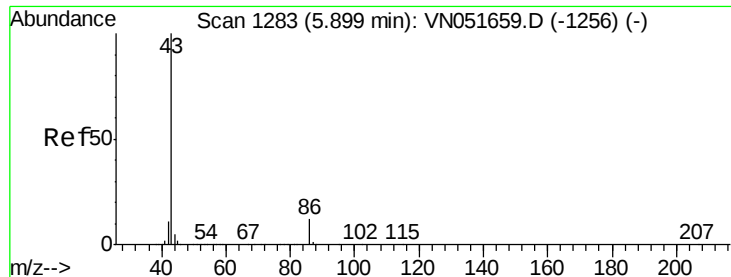
Tot Ion: 96 Resp: 110359
Ion Ratio Lower Upper
96 100
61 131.1 104.7 157.1
98 63.9 54.6 82.0



#22
Diisopropyl ether
Concen: 20.494 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 45 Resp: 320592
Ion Ratio Lower Upper
45 100
43 66.5 53.0 79.4
87 32.9 26.4 39.6
59 12.0 10.0 15.0





#23

Vinyl Acetate

Concen: 103.368 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

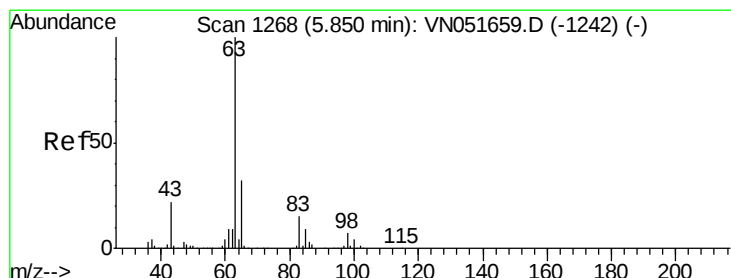
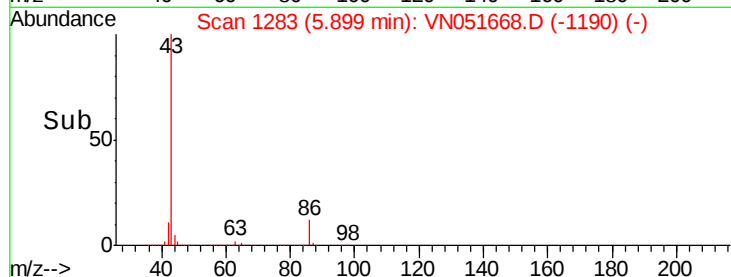
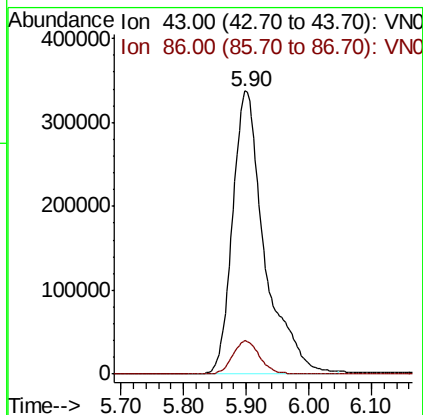
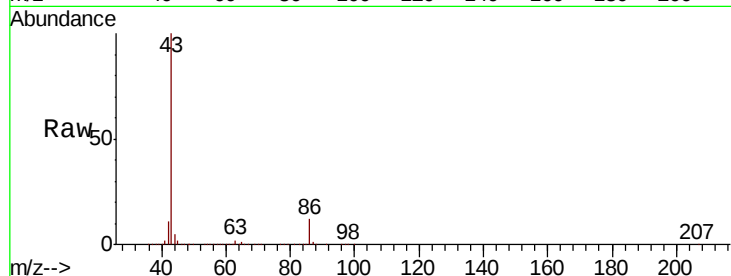
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1188975

Ion Ratio Lower Upper

43 100

86 11.8 9.3 13.9



#24

1,1-Dichloroethane

Concen: 20.354 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

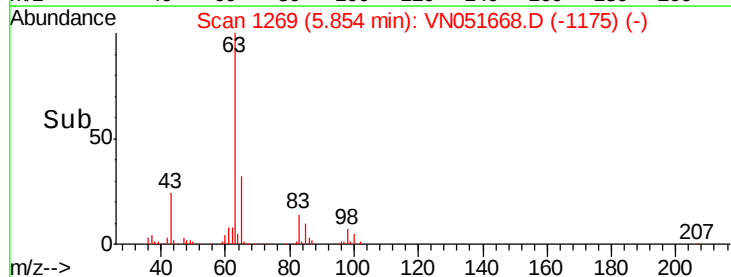
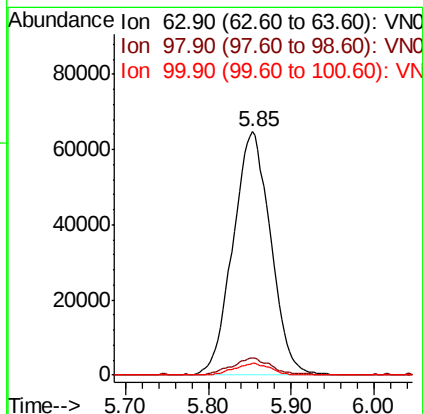
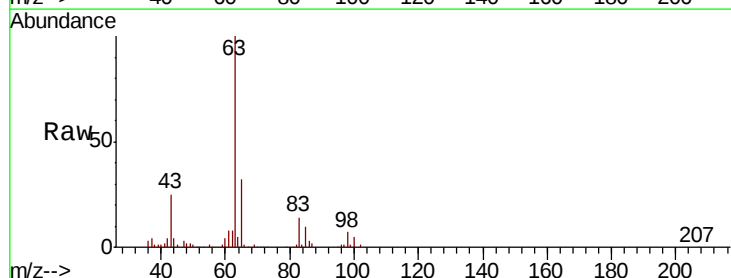
Tgt Ion: 63 Resp: 204781

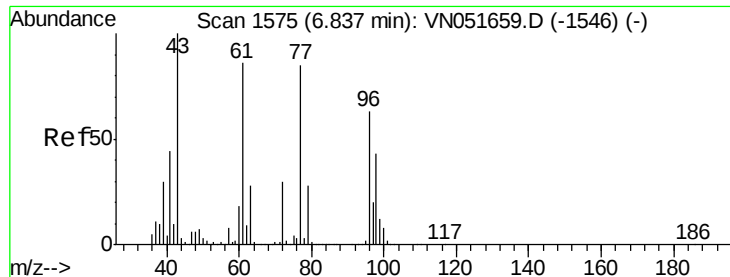
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 104.885 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

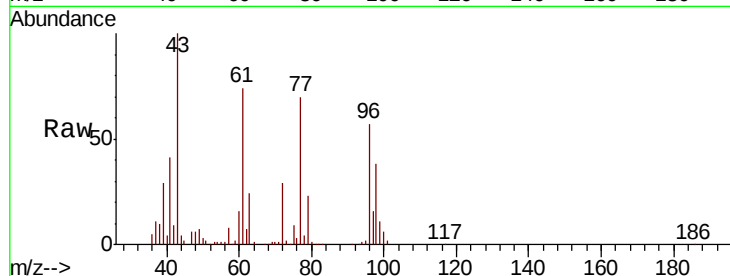
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 205570

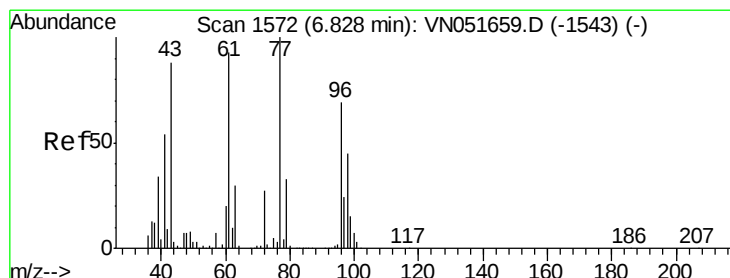
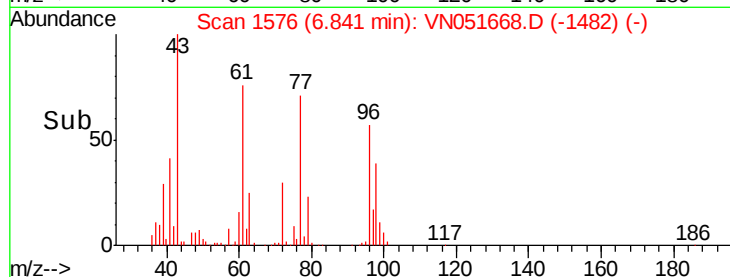
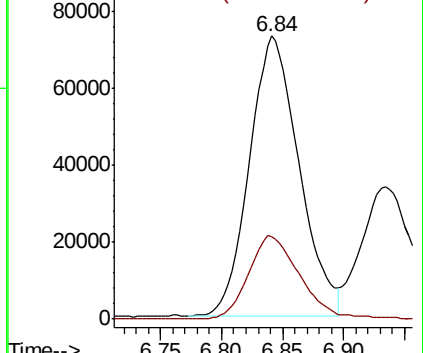
Ion Ratio Lower Upper

43 100

72 29.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1546) (-)



#26

2,2-Dichloropropane

Concen: 20.051 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051668.D

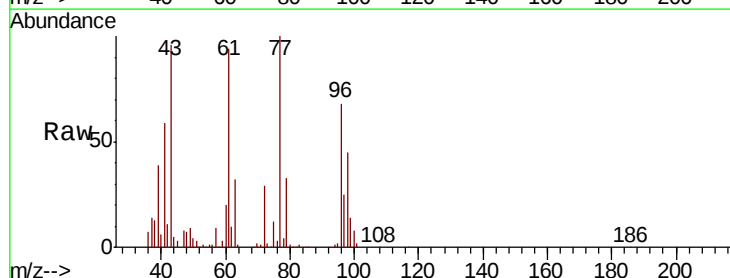
Acq: 4 Oct 2018 15:44

Tgt Ion: 77 Resp: 202154

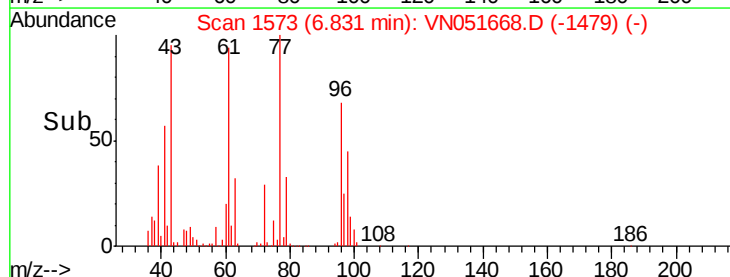
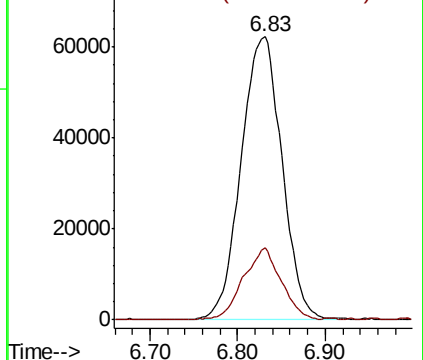
Ion Ratio Lower Upper

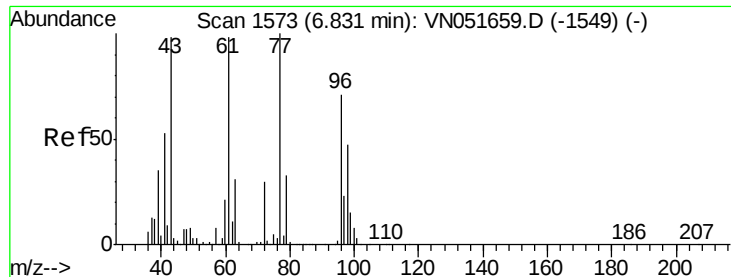
77 100

97 23.7 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VN051659.D (-1543) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.623 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampled :

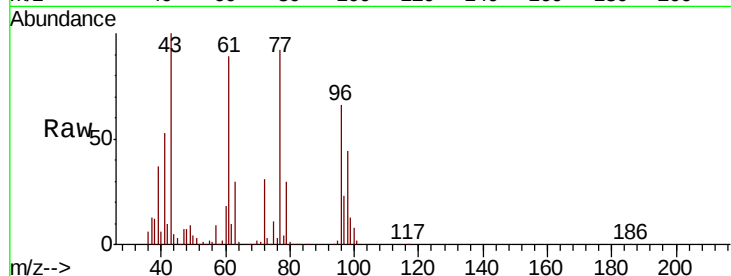
Tot Ion: 96 Resp: 129163

Ion Ratio Lower Upper

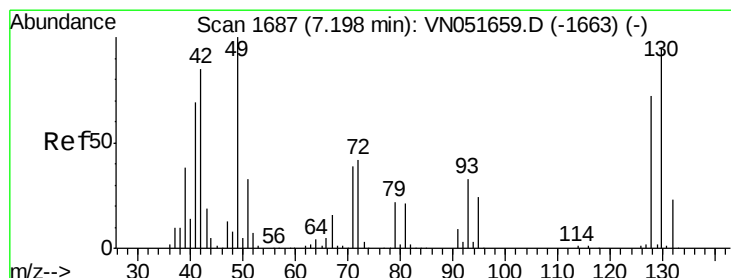
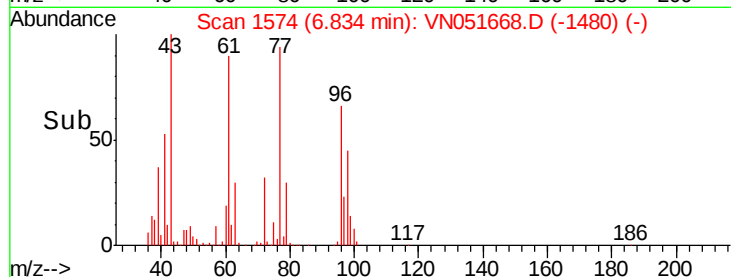
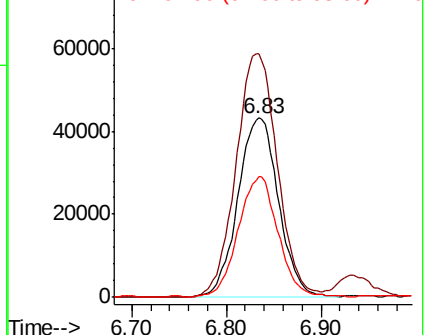
96 100

61 138.1 0.0 275.4

98 66.6 0.0 129.6



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: 20.180 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

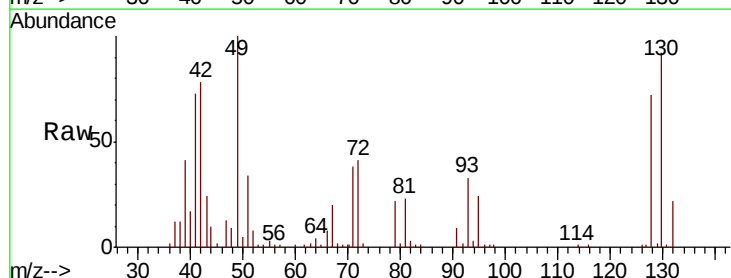
Tgt Ion: 49 Resp: 89882

Ion Ratio Lower Upper

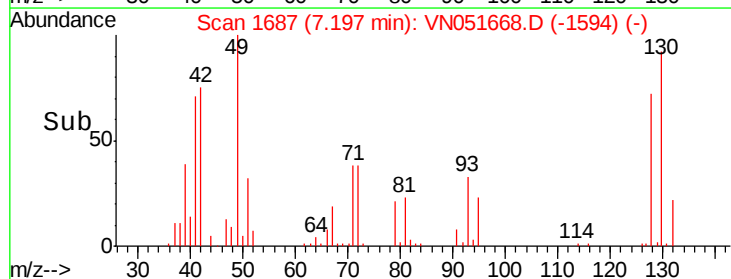
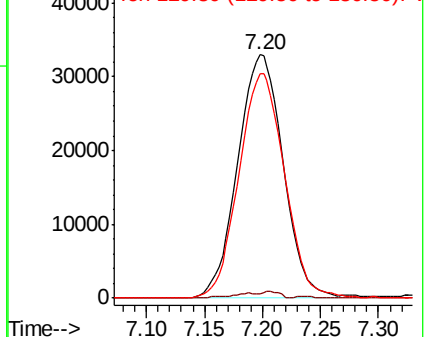
49 100

129 1.2 0.0 4.8

130 92.7 75.7 113.5



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

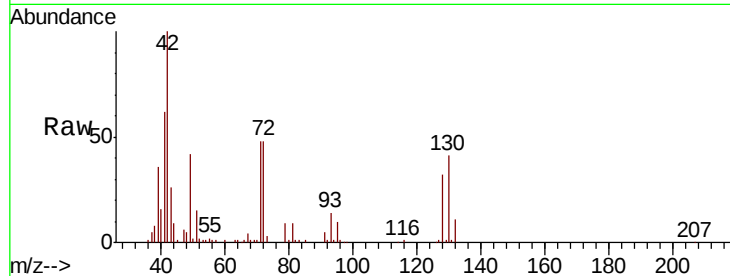




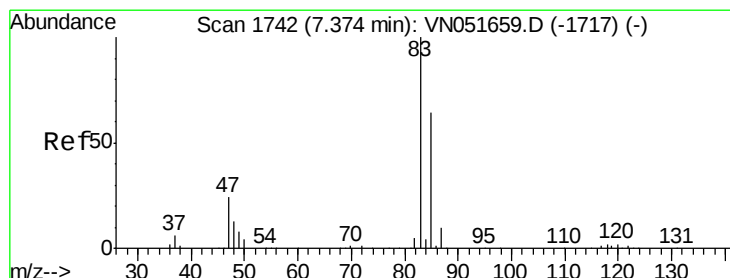
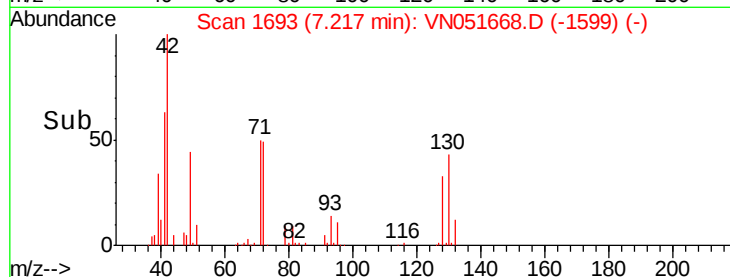
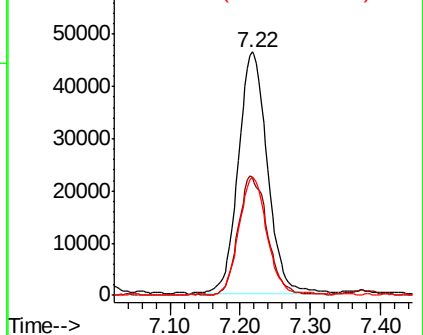
#29
Tetrahydrofuran
Concen: 111.388 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 133973
Ion Ratio Lower Upper
42 100
72 49.0 40.1 60.1
71 46.9 38.0 57.0

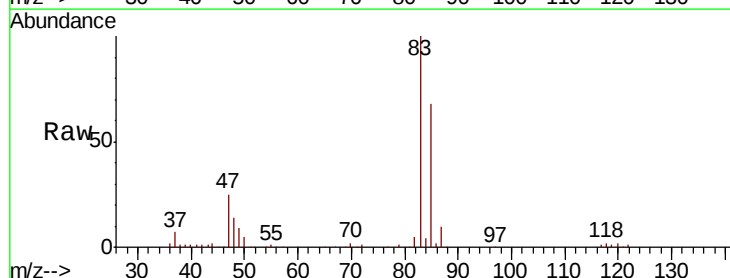


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

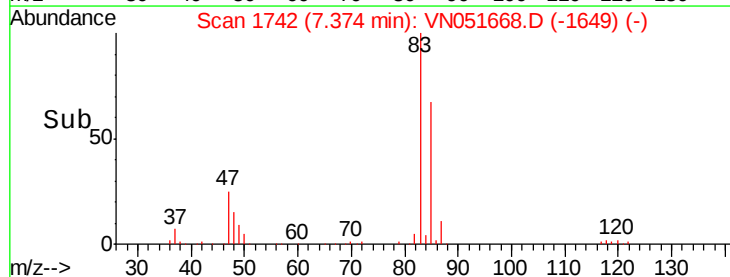
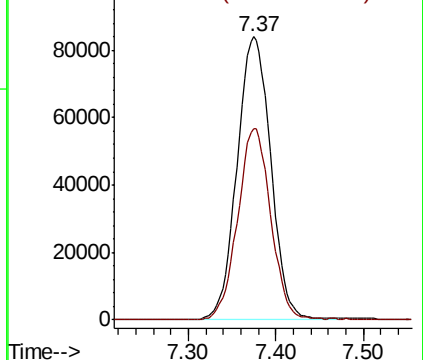


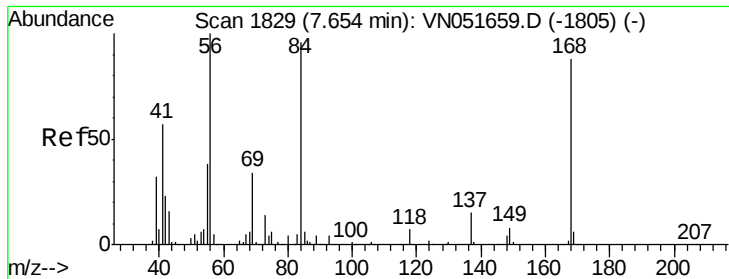
#30
Chloroform
Concen: 19.913 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 83 Resp: 225098
Ion Ratio Lower Upper
83 100
85 67.4 51.6 77.4



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





#31

Cyclohexane

Concen: 19.868 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampled :

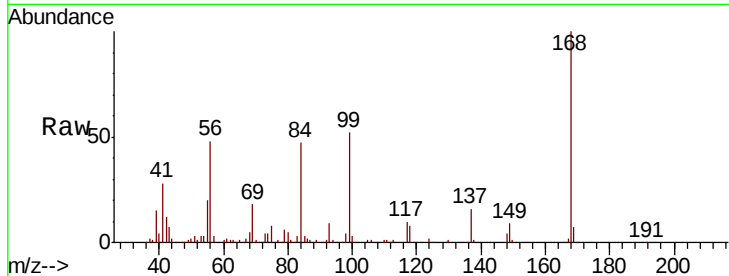
Tot Ion: 56 Resp: 183065

Ion Ratio Lower Upper

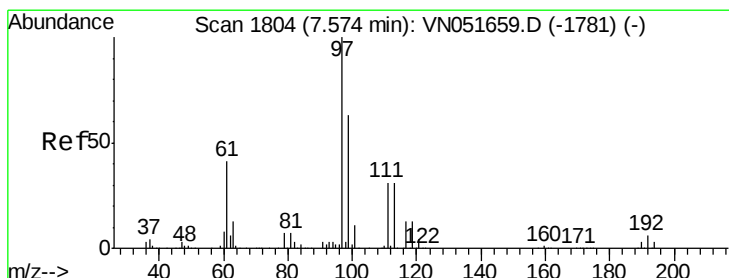
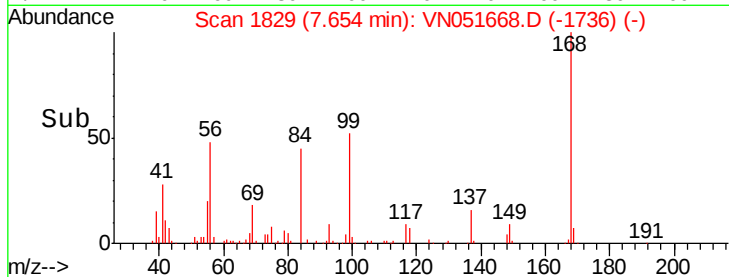
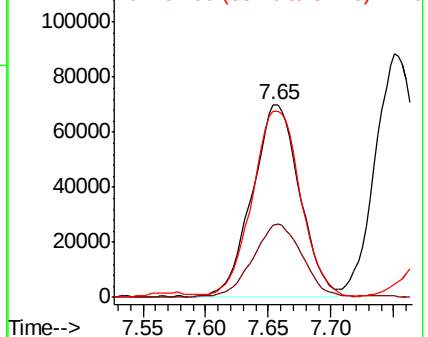
56 100

69 36.9 27.5 41.3

84 95.2 76.7 115.1



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: 19.715 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

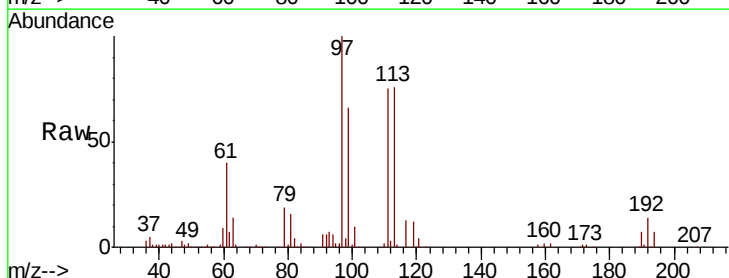
Tgt Ion: 97 Resp: 216015

Ion Ratio Lower Upper

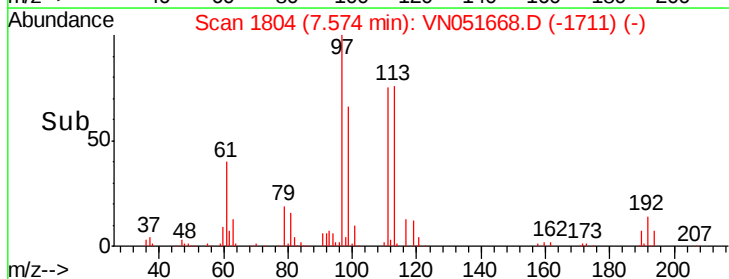
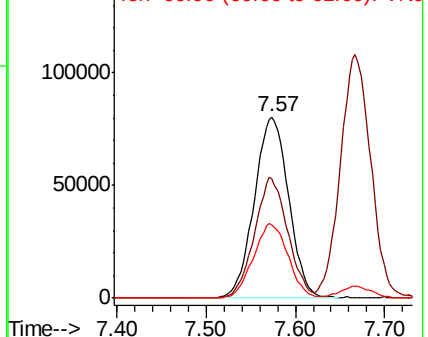
97 100

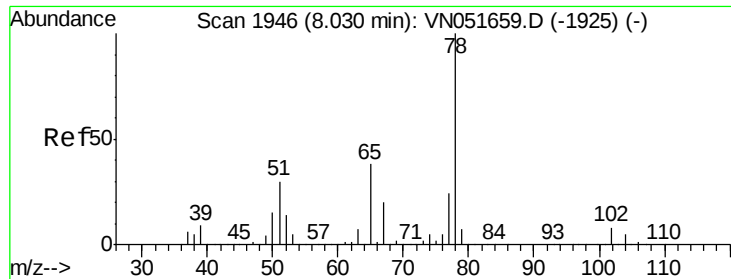
99 64.3 51.9 77.9

61 41.4 33.4 50.0



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

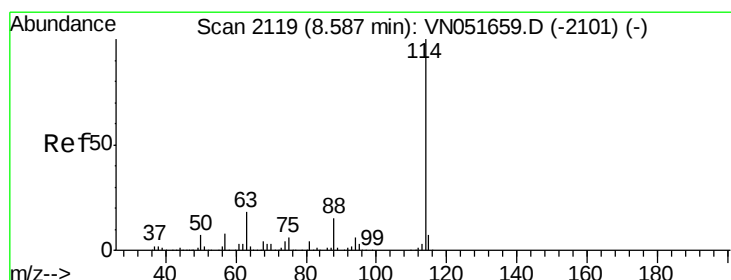
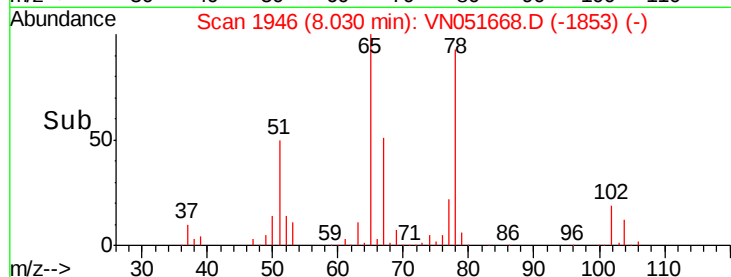
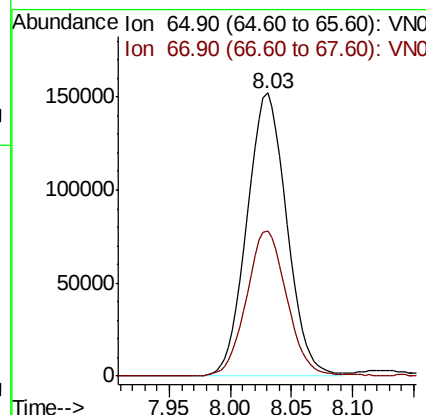
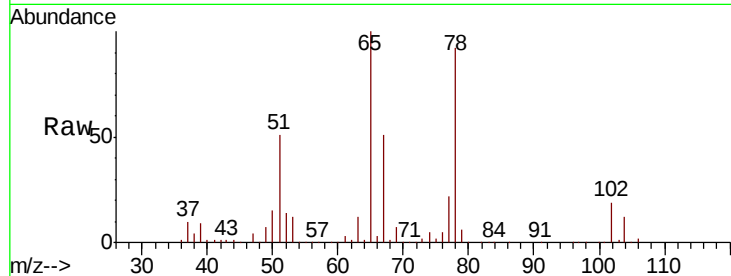




#33
 1,2-Dichloroethane-d4
 Concen: 19.715 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

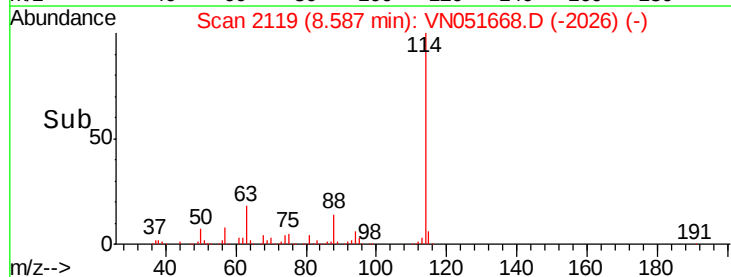
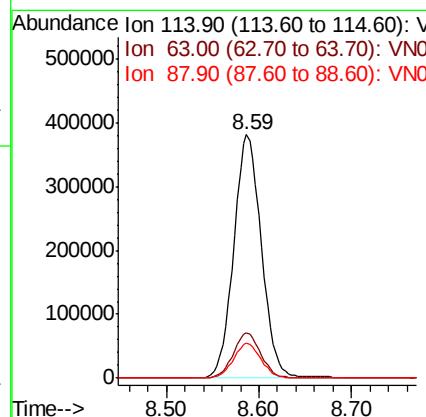
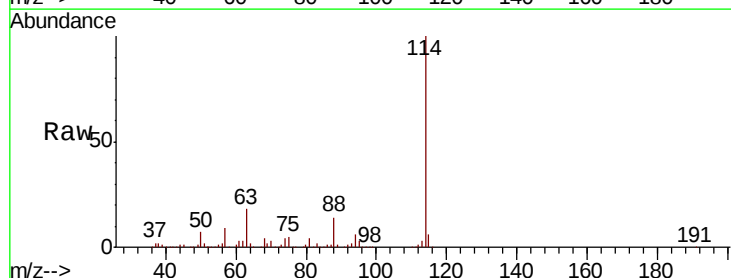
Instrument :
 MSVOA_N
 ClientSampleId :

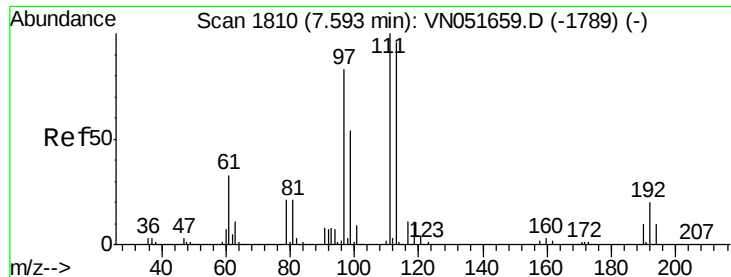
Tot Ion: 65 Resp: 344047
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 114 Resp: 789890
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.2
 88 14.3 0.0 30.2

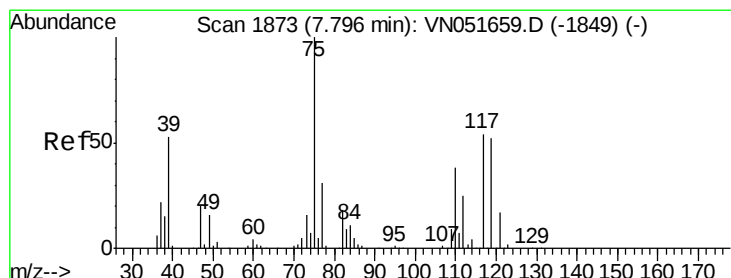
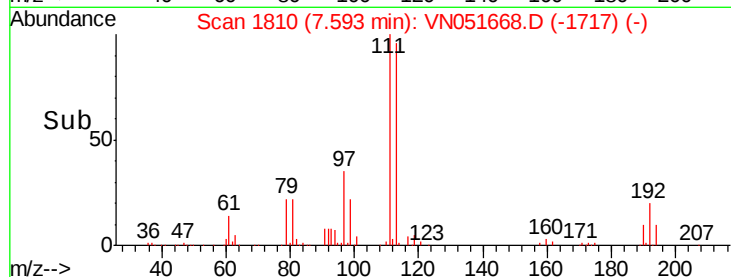
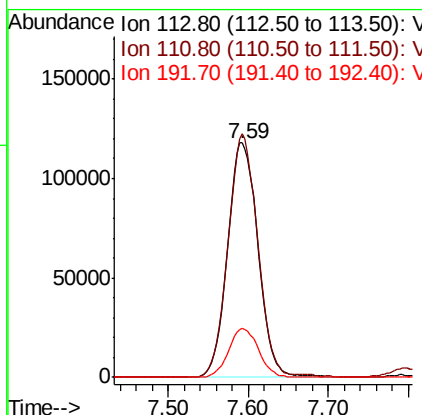
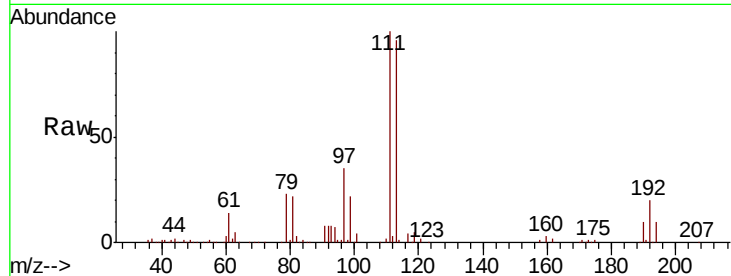




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

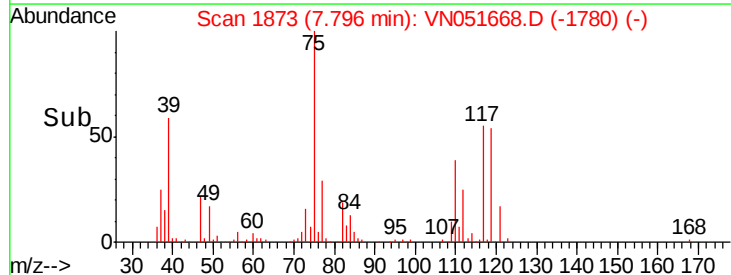
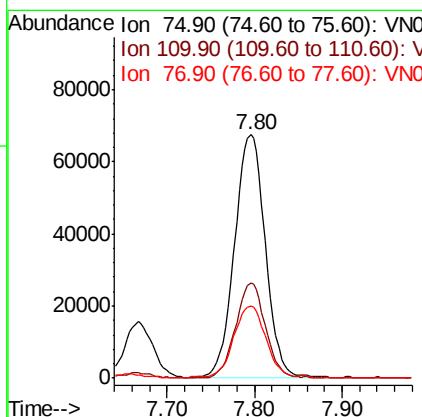
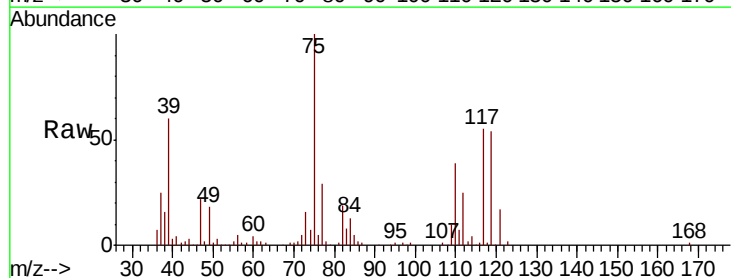
Instrument :
 MSVOA_N
 ClientSampleId :

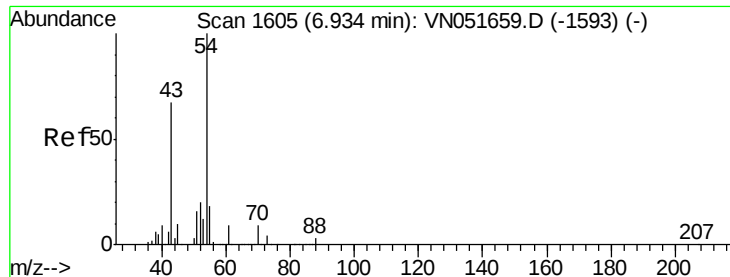
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.8	122.8
192	20.6	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 19.840 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.3	57.8
77	30.7	24.7	37.1

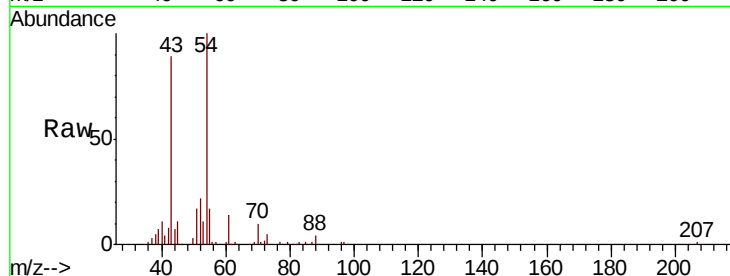




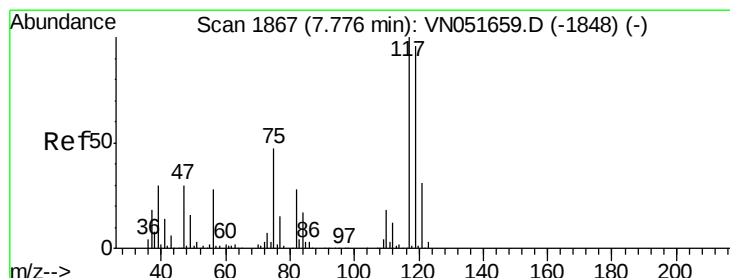
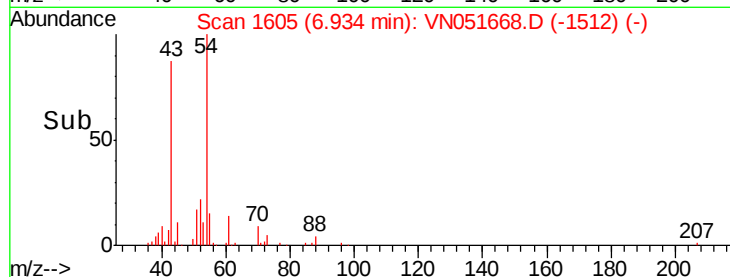
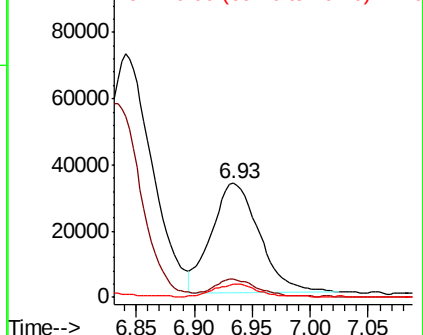
#37
Ethyl Acetate
Concen: 22.206 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 95621
Ion Ratio Lower Upper
43 100
61 13.7 11.8 17.6
70 10.0 8.7 13.1

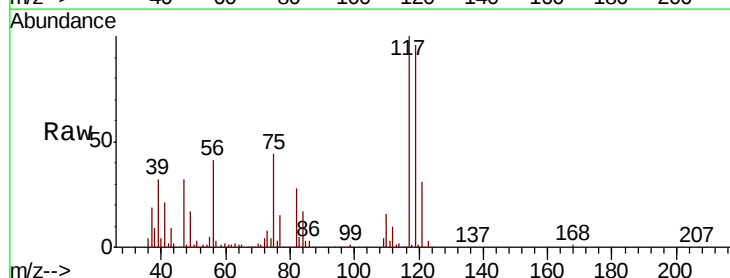


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

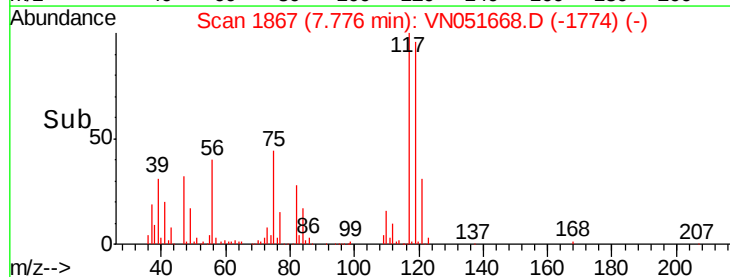
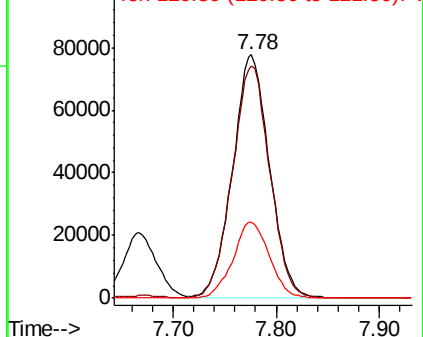


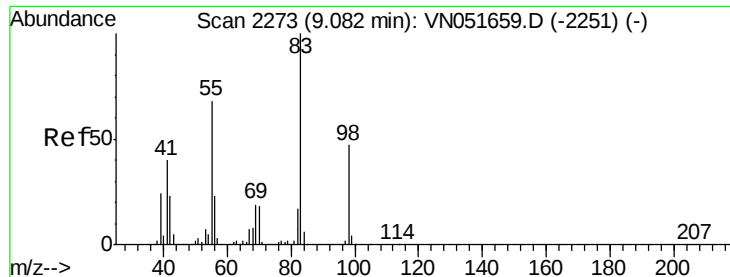
#38
Carbon Tetrachloride
Concen: 19.444 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 117 Resp: 192636
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.6
121 31.2 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

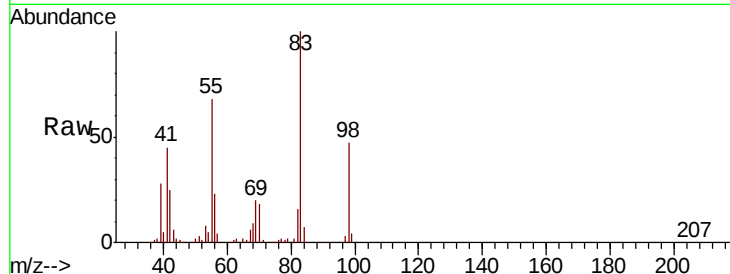




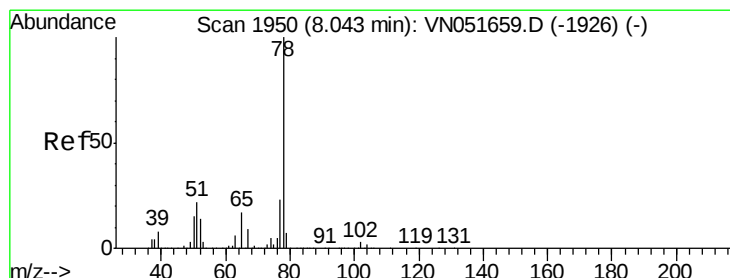
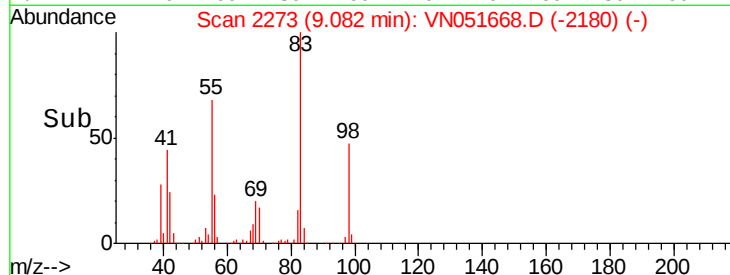
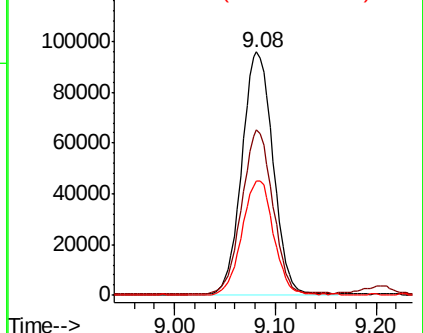
#39
Methvlcvclohexane
Concen: 19.754 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 204731
Ion Ratio Lower Upper
83 100
55 67.6 54.3 81.5
98 46.5 37.4 56.2

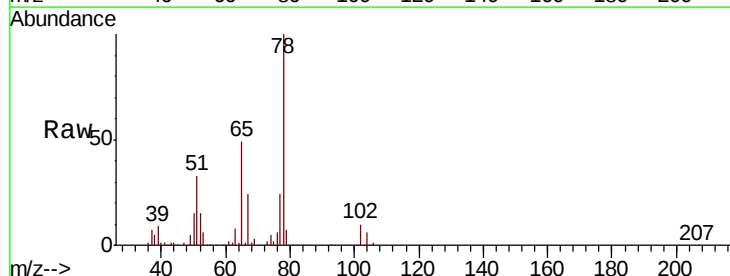


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

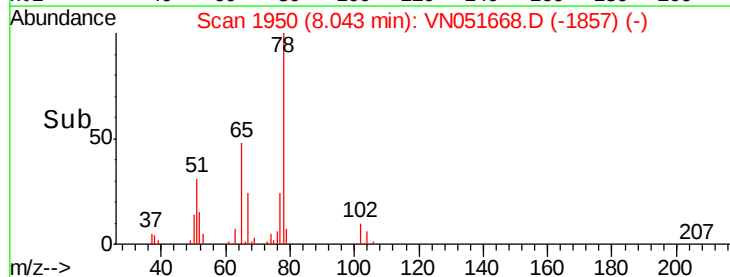
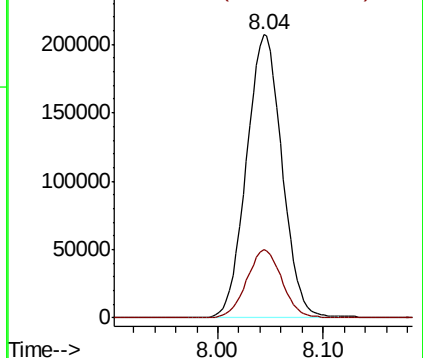


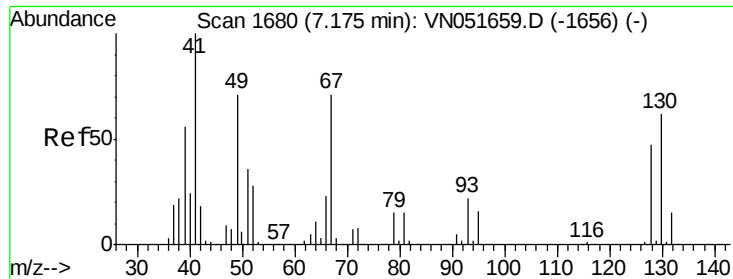
#40
Benzene
Concen: 19.880 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 78 Resp: 486583
Ion Ratio Lower Upper
78 100
77 24.1 18.5 27.7



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

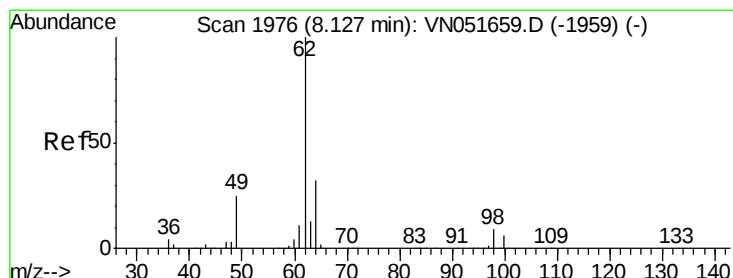
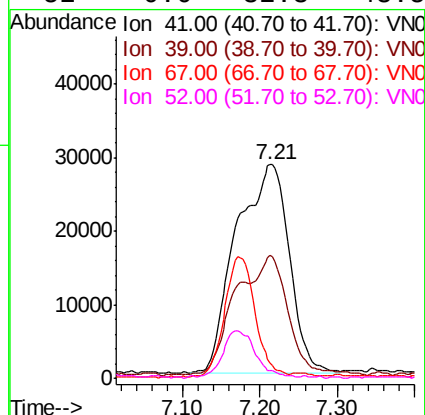
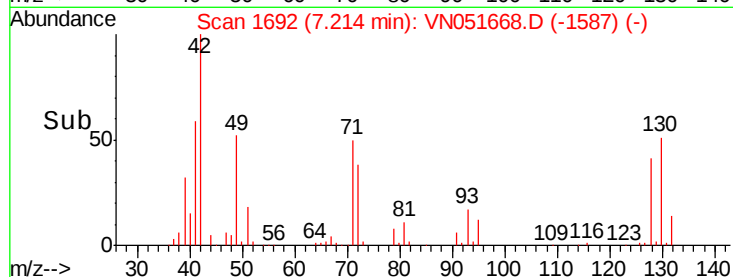
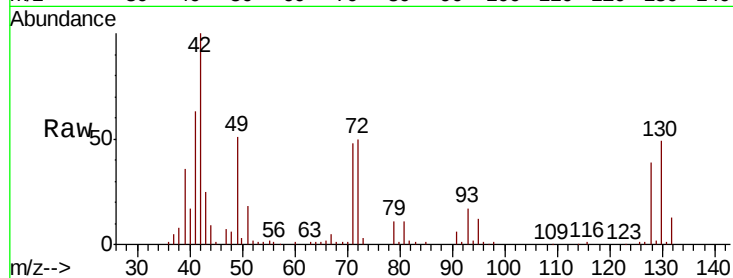




#41
Methacrylonitrile
Concen: 60.751 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

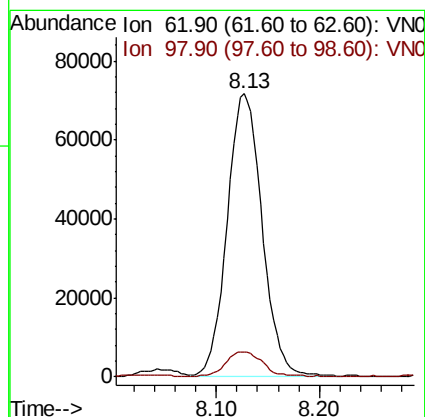
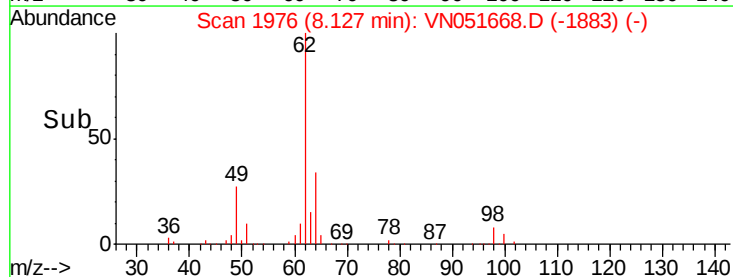
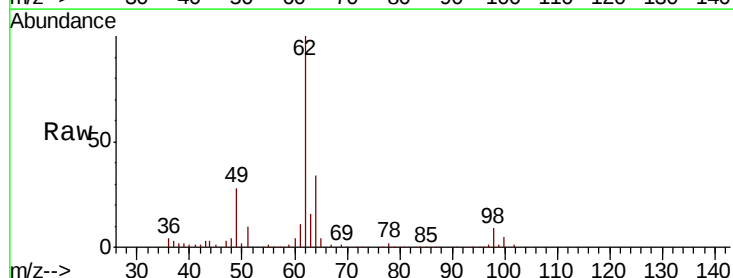
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 134643
Ion Ratio Lower Upper
41 100
39 0.0 53.9 80.9#
67 0.0 78.1 117.1#
52 0.0 32.3 48.5#



#42
1,2-Dichloroethane
Concen: 20.451 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 62 Resp: 168692
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 21.989 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

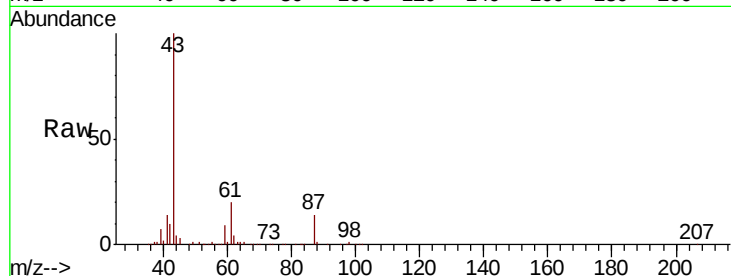
Tot Ion: 43 Resp: 197411

Ion Ratio Lower Upper

43 100

61 27.9 15.8 23.6#

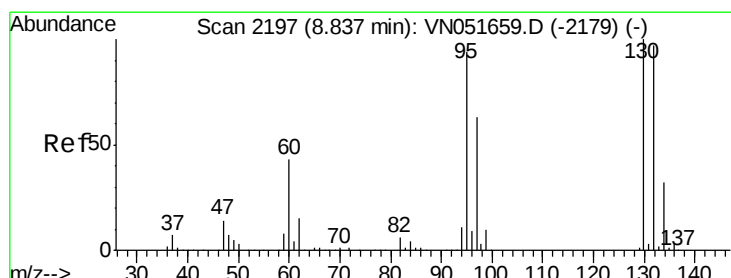
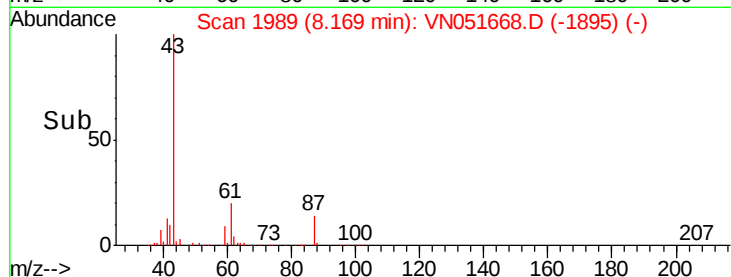
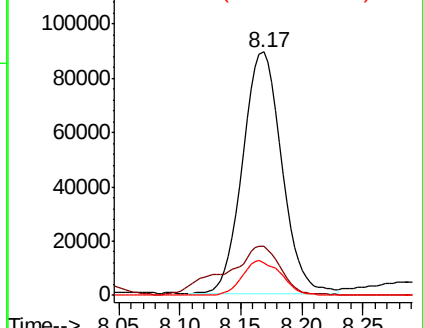
87 14.5 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN051659.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN051659.D (-1970) (-)



#44

Trichloroethene

Concen: 19.874 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051668.D

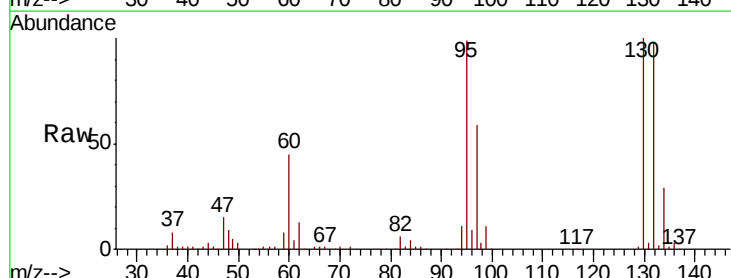
Acq: 4 Oct 2018 15:44

Tgt Ion:130 Resp: 138118

Ion Ratio Lower Upper

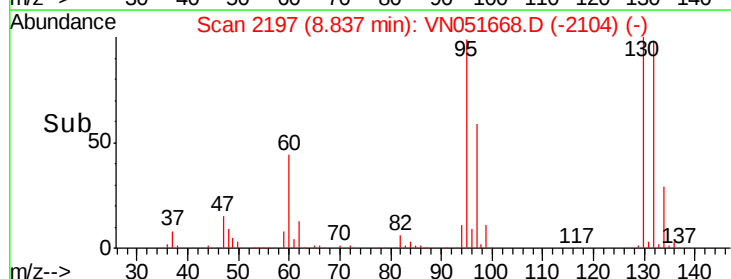
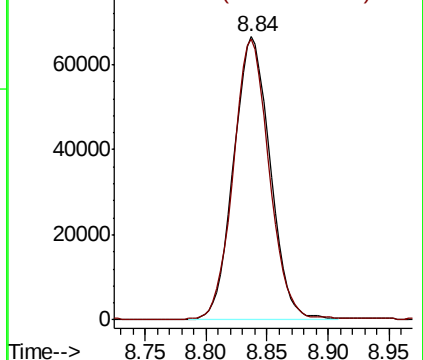
130 100

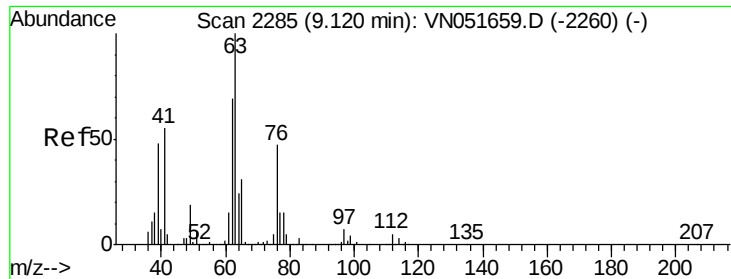
95 98.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051659.D (-2179) (-)

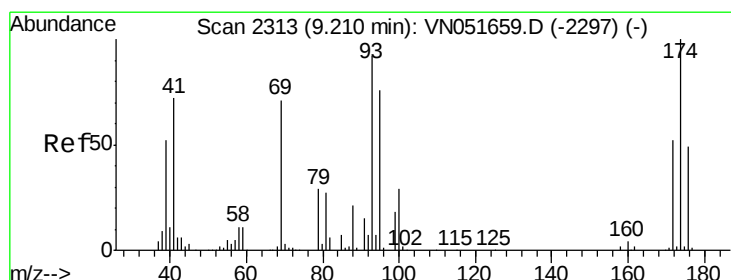
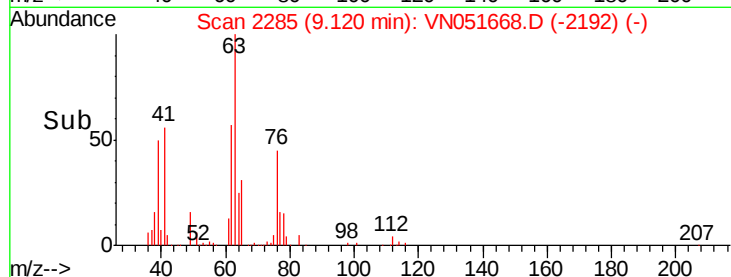
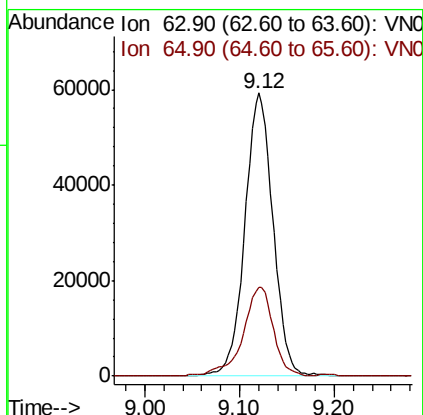
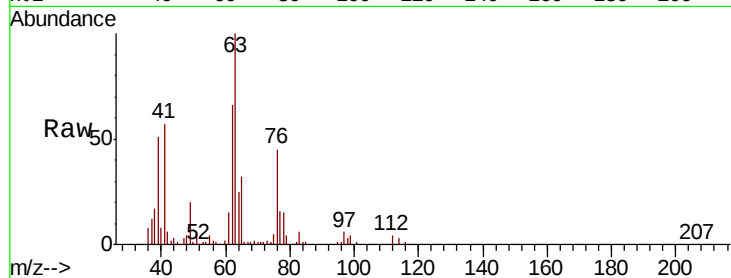




#45
 1,2-Dichloropropane
 Concen: 20.263 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

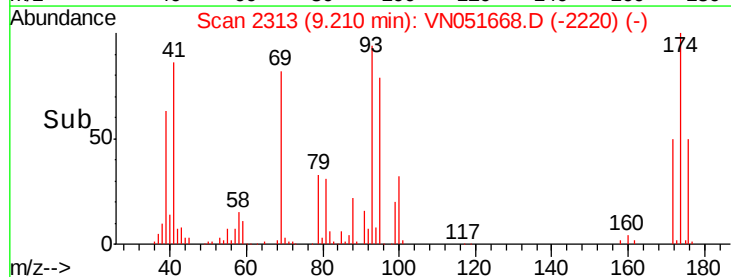
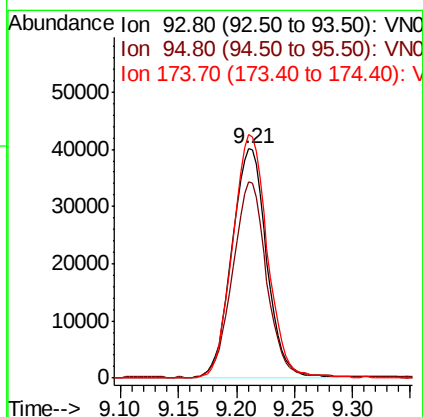
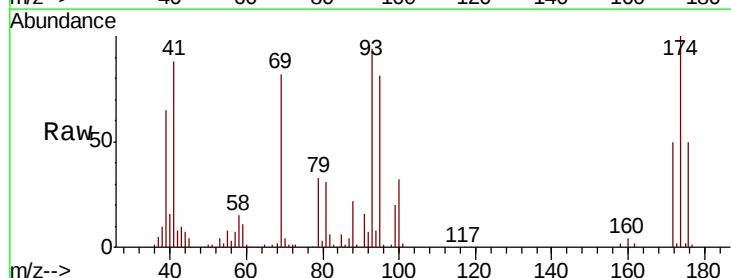
Instrument :
 MSVOA_N
 ClientSampleId :

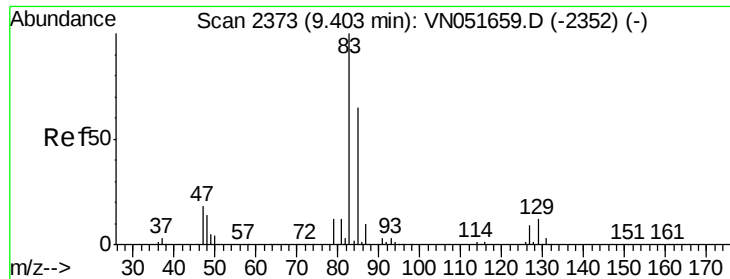
Tot Ion: 63 Resp: 122616
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4



#46
 Dibromomethane
 Concen: 19.808 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 93 Resp: 83314
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 106.2 85.9 128.9

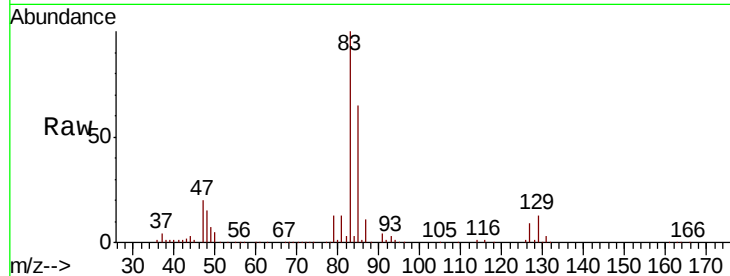




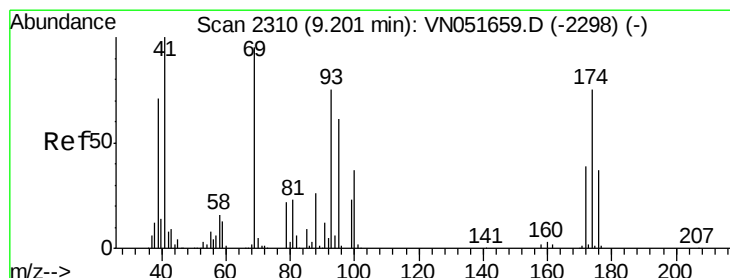
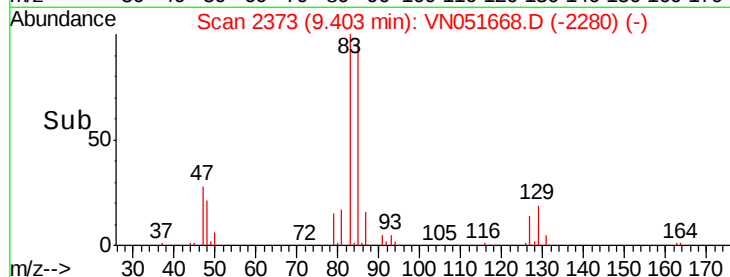
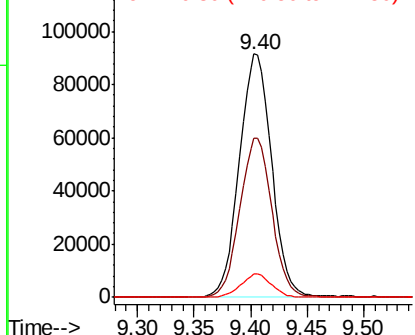
#47
Bromodichloromethane
Concen: 19.733 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 182718
Ion Ratio Lower Upper
83 100
85 65.2 51.6 77.4
127 9.4 7.3 10.9

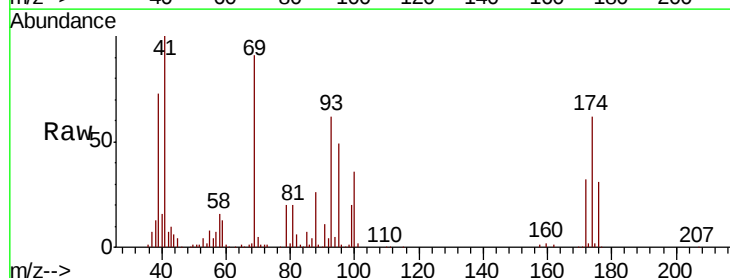


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

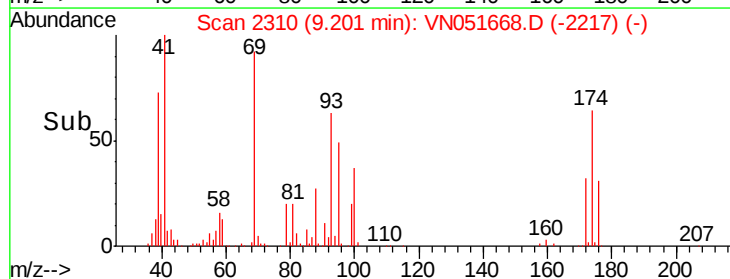
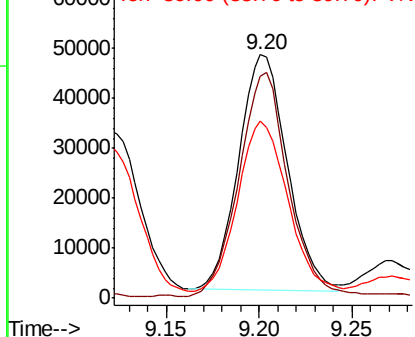


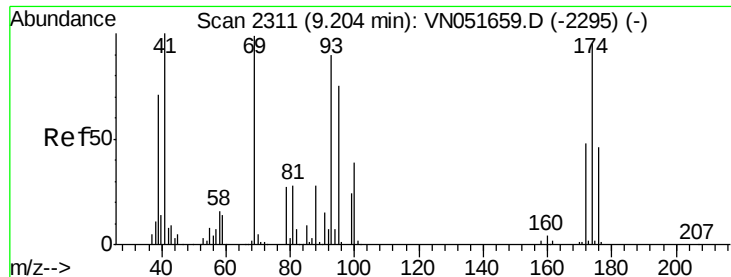
#48
Methyl methacrylate
Concen: 20.941 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 41 Resp: 85907
Ion Ratio Lower Upper
41 100
69 97.5 78.6 118.0
39 77.2 59.2 88.8



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: 403.048 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :

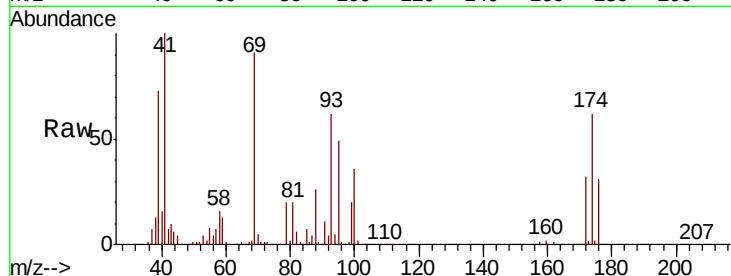
Tot Ion: 88 Resp: 24793

Ion Ratio Lower Upper

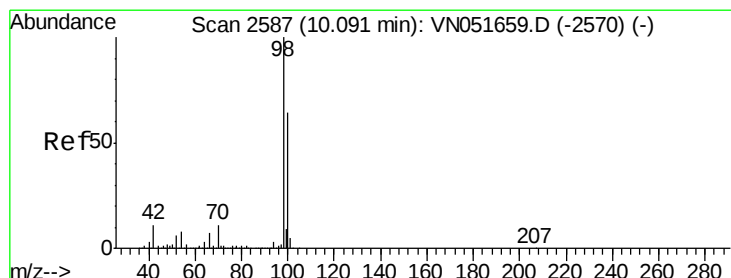
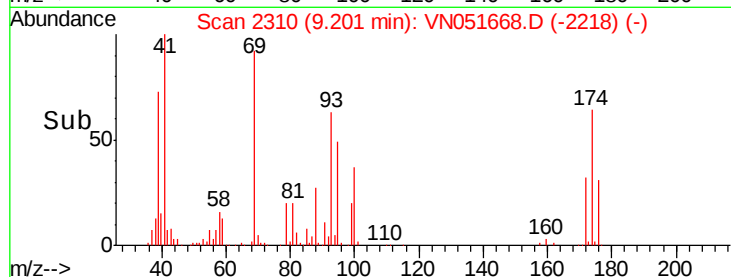
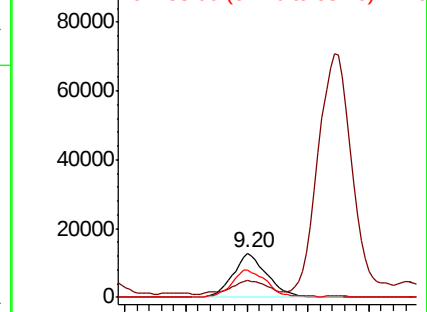
88 100

43 33.5 24.5 36.7

58 64.9 47.6 71.4



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



#50

Toluene-d8

Concen: 403.048 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051668.D

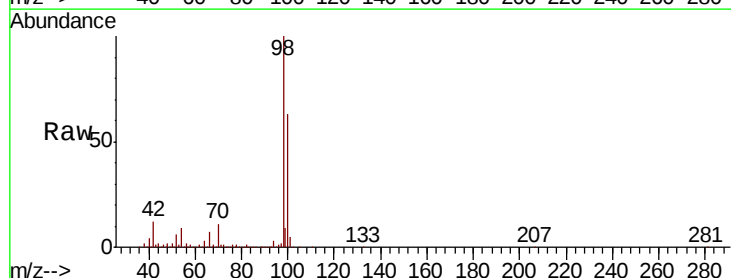
Acq: 4 Oct 2018 15:44

Tgt Ion: 98 Resp: 1113783

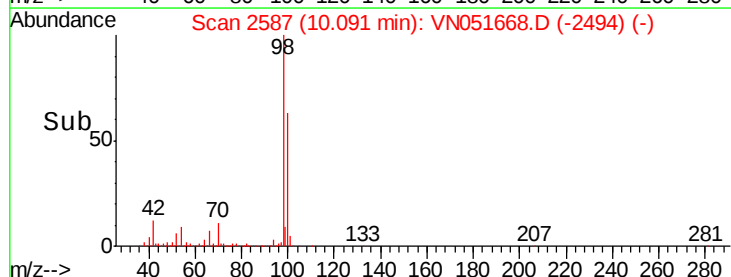
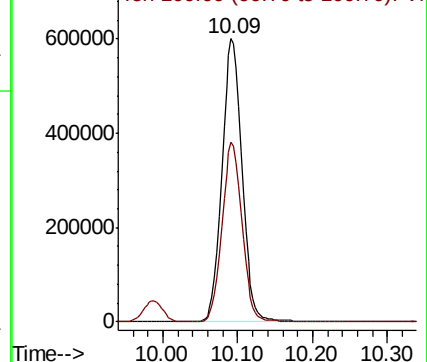
Ion Ratio Lower Upper

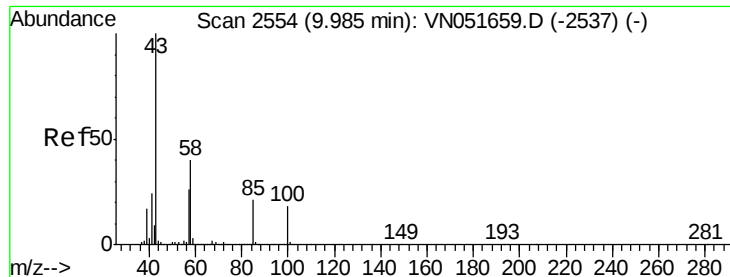
98 100

100 63.2 51.5 77.3



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

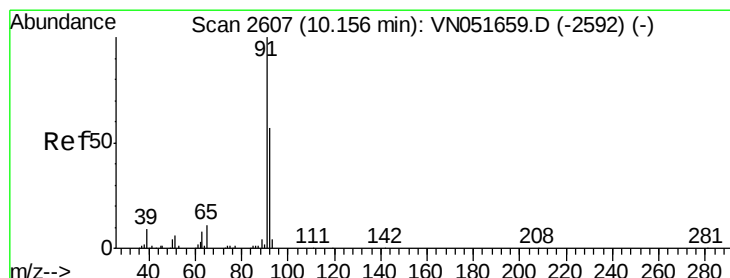
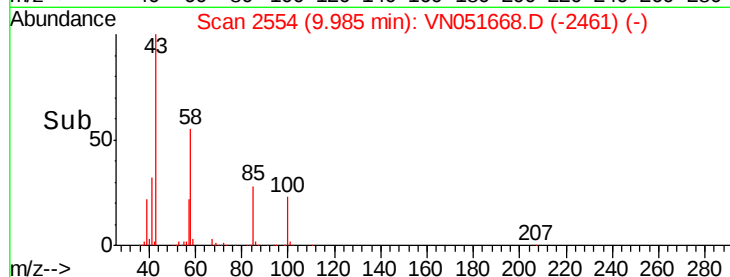
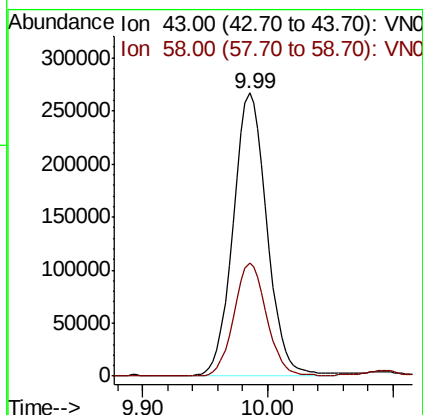
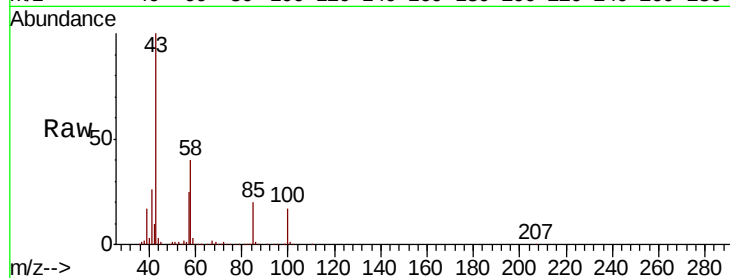




#51
 4-Methyl-2-Pentanone
 Concen: 108.675 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

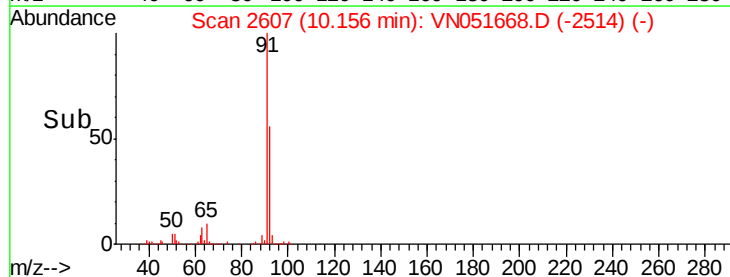
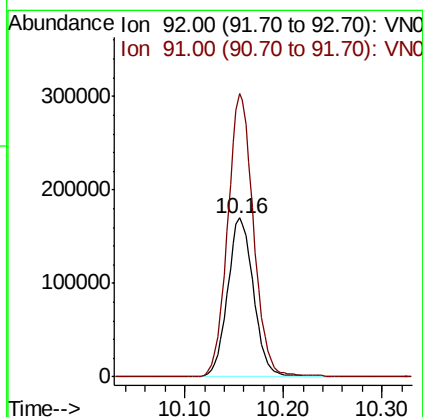
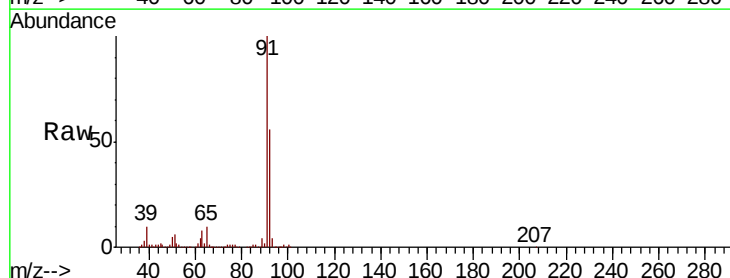
Instrument :
 MSVOA_N
 ClientSampleId :

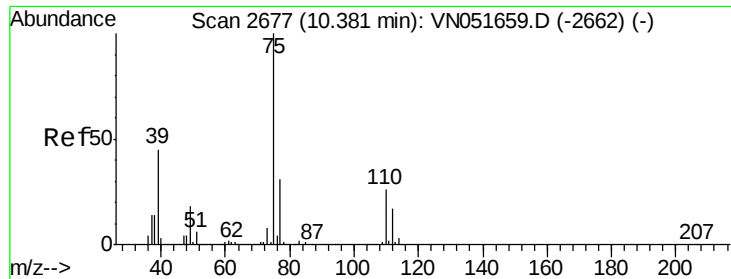
Tot Ion: 43 Resp: 494398
 Ion Ratio Lower Upper
 43 100
 58 38.9 32.2 48.2



#52
 Toluene
 Concen: 19.271 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 92 Resp: 313703
 Ion Ratio Lower Upper
 92 100
 91 176.7 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 19.201 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

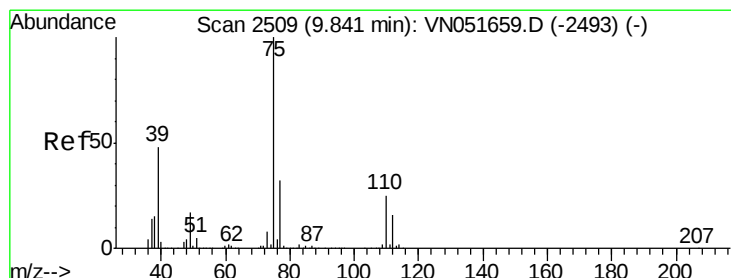
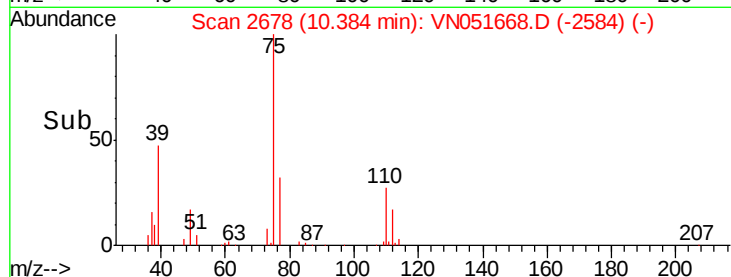
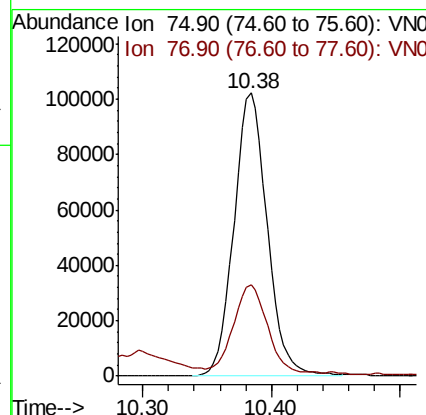
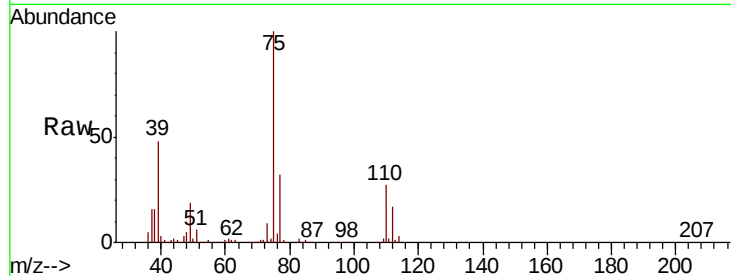
ClientSampled :

Tot Ion: 75 Resp: 183456

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.679 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

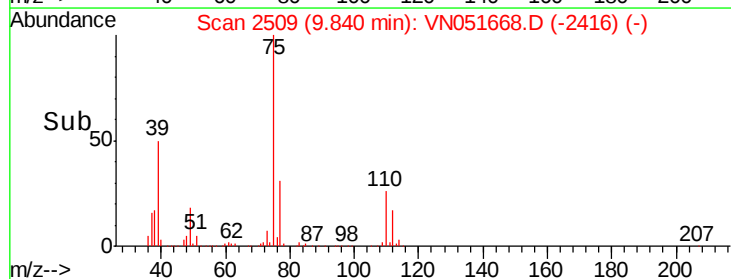
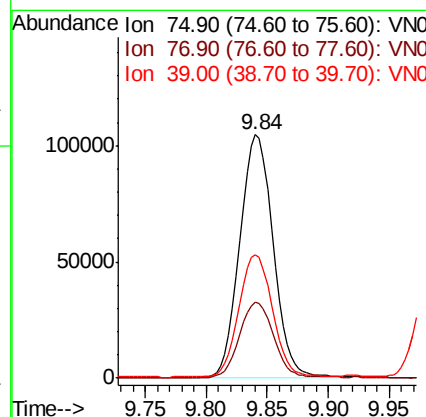
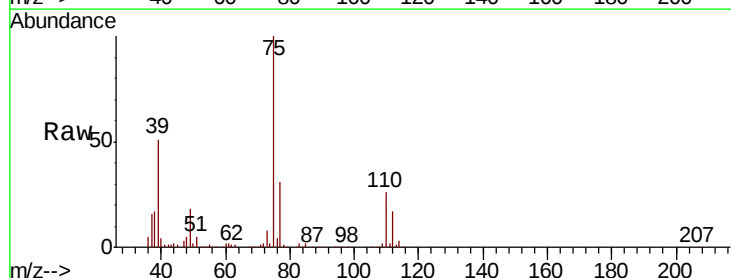
Tgt Ion: 75 Resp: 199658

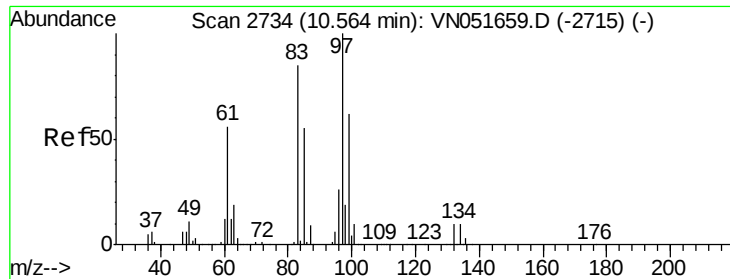
Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

39 50.3 38.1 57.1



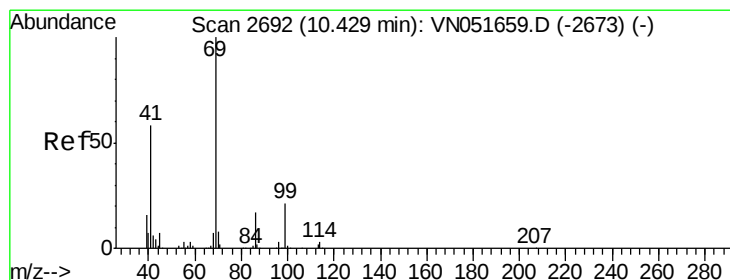
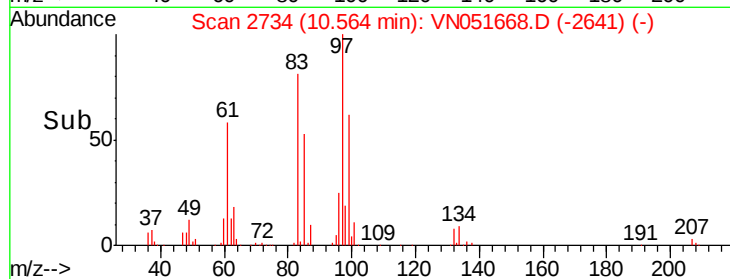
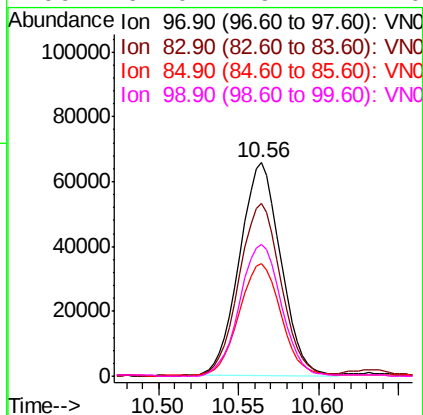
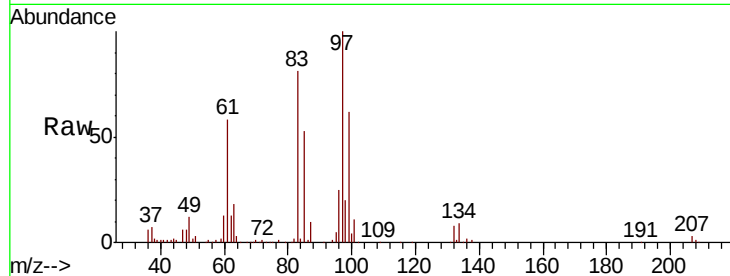


#55
 1,1,2-Trichloroethane
 Concen: 20.070 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 116390

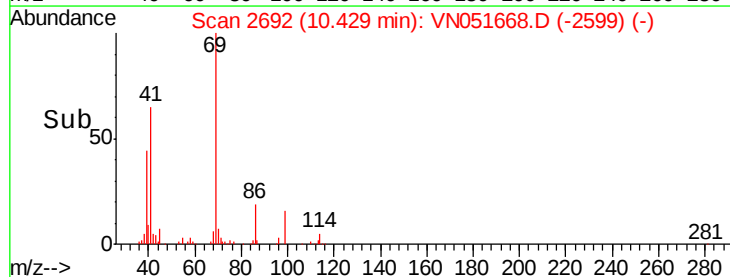
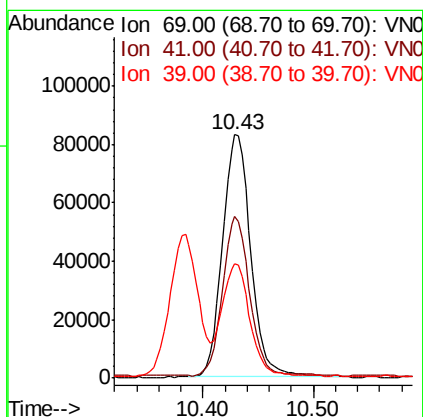
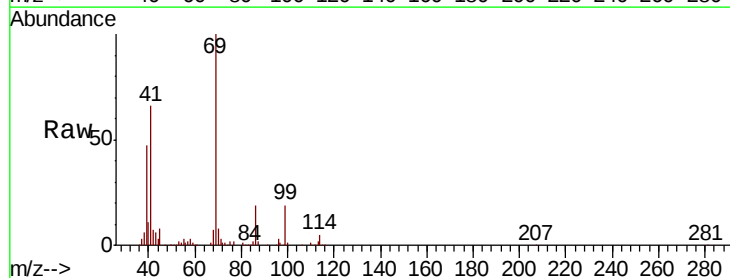
Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.1	102.1
85	52.8	43.6	65.4
99	62.0	49.4	74.0

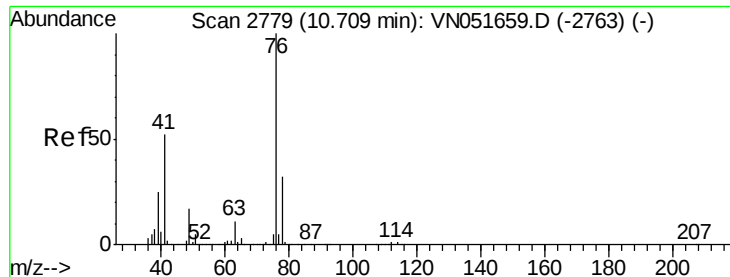


#56
 Ethyl methacrylate
 Concen: 20.121 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 69 Resp: 147556

Ion	Ratio	Lower	Upper
69	100		
41	63.1	46.4	69.6
39	46.8	32.4	48.6





#57

1,3-Dichloropropane

Concen: 19.663 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

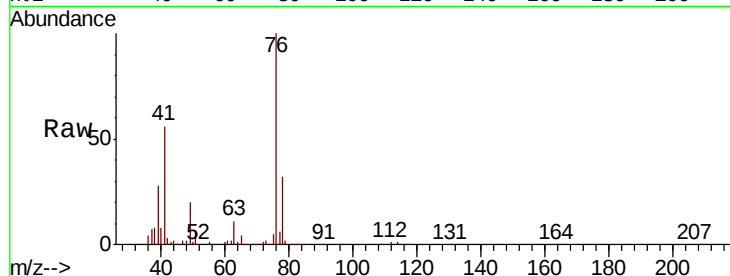
ClientSampled :

Tot Ion: 76 Resp: 180475

Ion Ratio Lower Upper

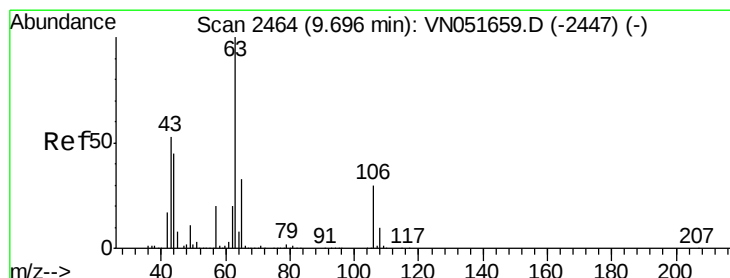
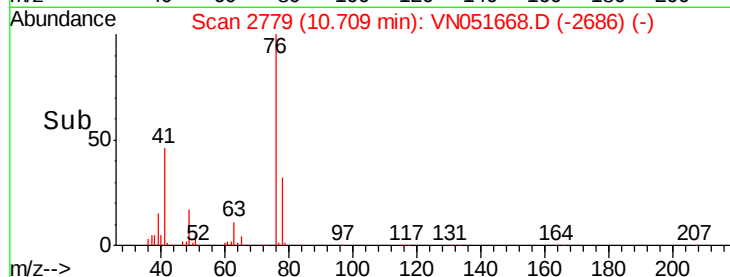
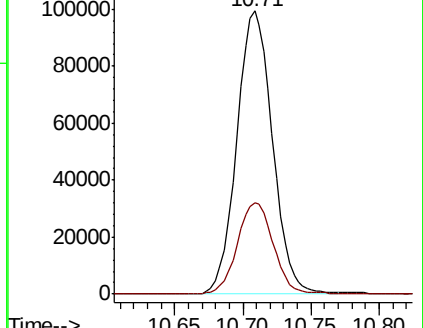
76 100

78 32.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.088 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051668.D

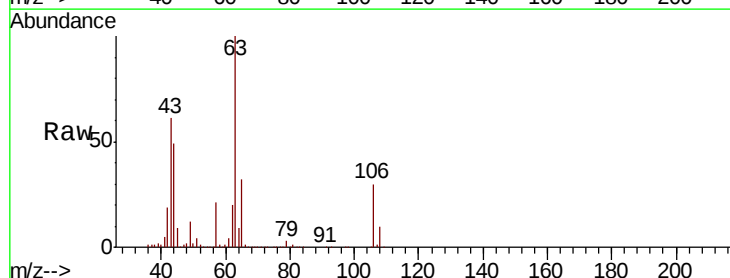
Acq: 4 Oct 2018 15:44

Tgt Ion: 63 Resp: 315918

Ion Ratio Lower Upper

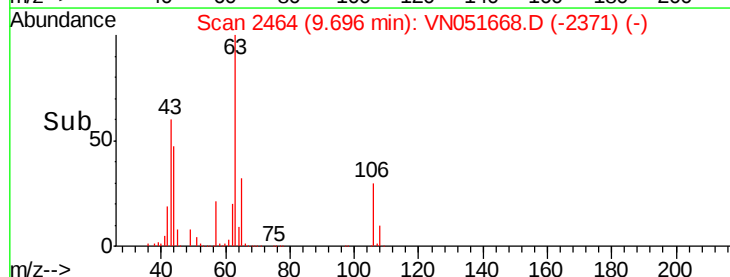
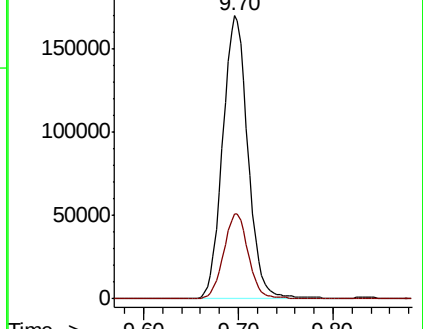
63 100

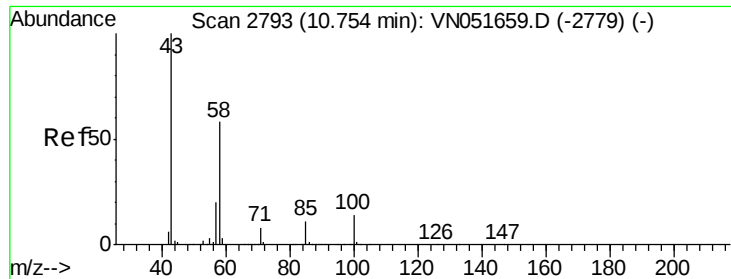
106 29.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

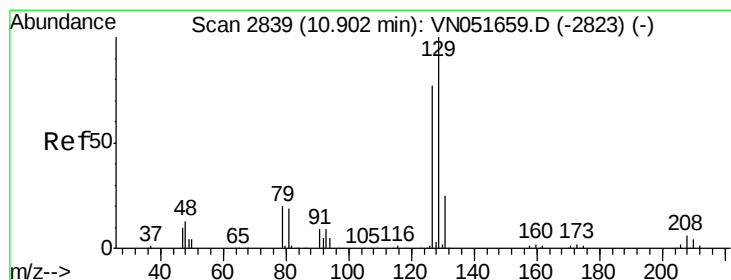
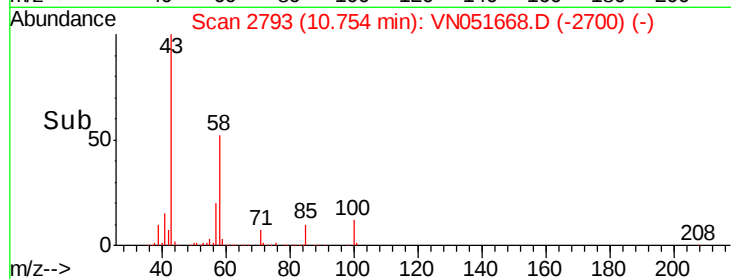
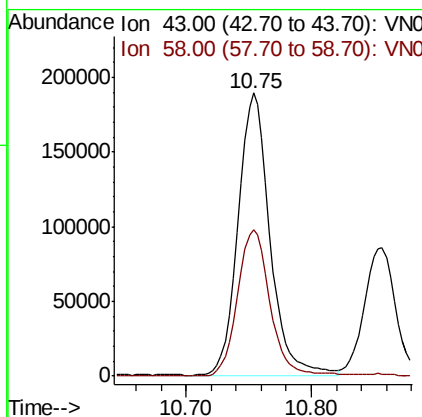
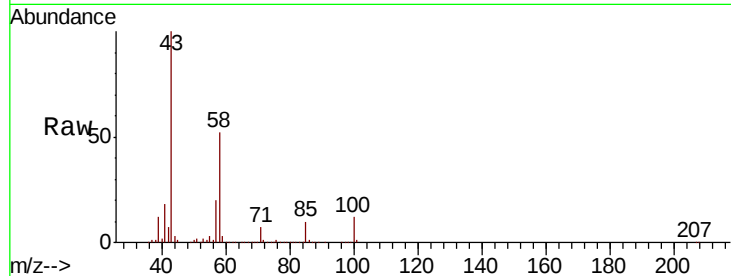




#59
2-Hexanone
Concen: 107.485 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

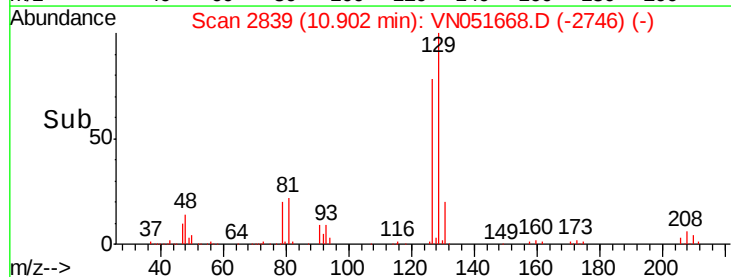
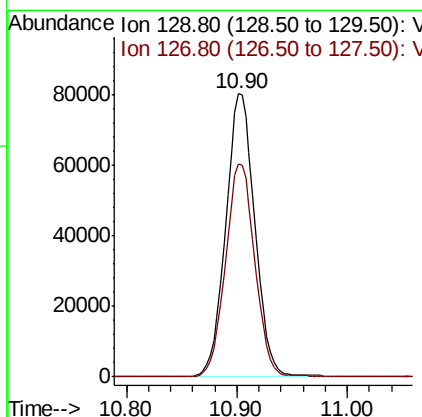
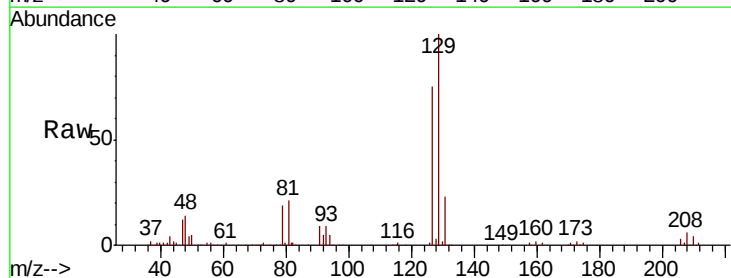
Instrument :
MSVOA_N
ClientSampled :

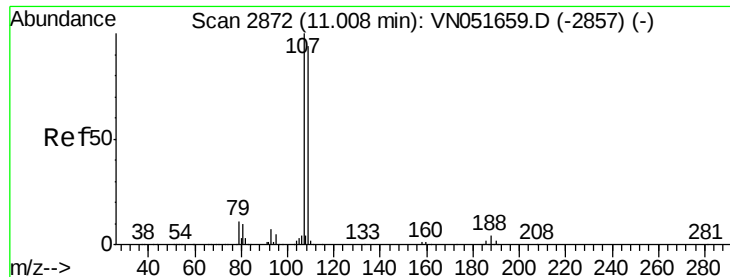
Tot Ion: 43 Resp: 332085
Ion Ratio Lower Upper
43 100
58 53.5 28.8 86.4



#60
Dibromochloromethane
Concen: 19.357 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 129 Resp: 146898
Ion Ratio Lower Upper
129 100
127 75.9 38.6 115.7

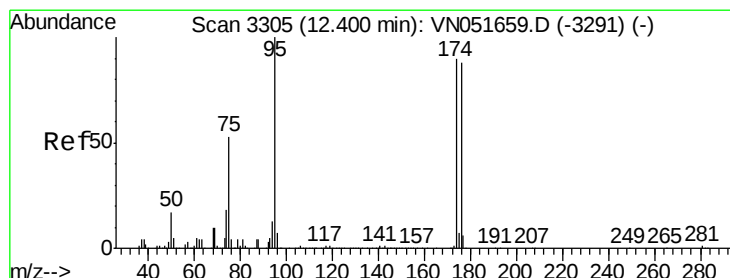
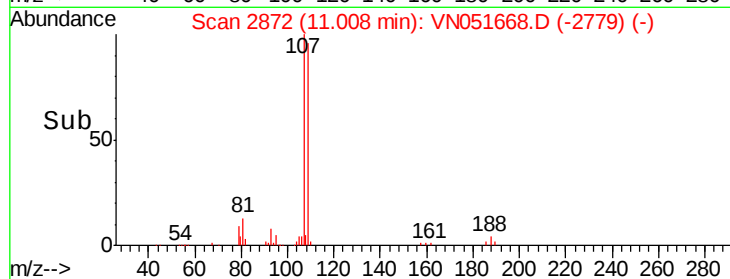
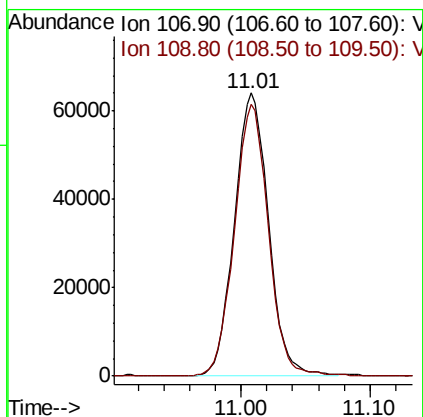
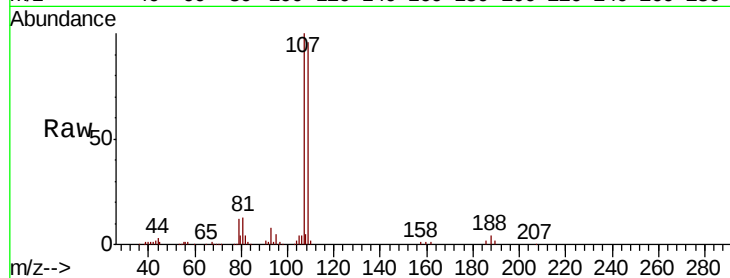




#61
 1,2-Dibromoethane
 Concen: 19.240 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

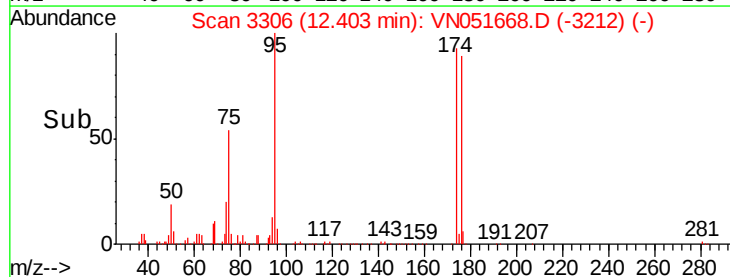
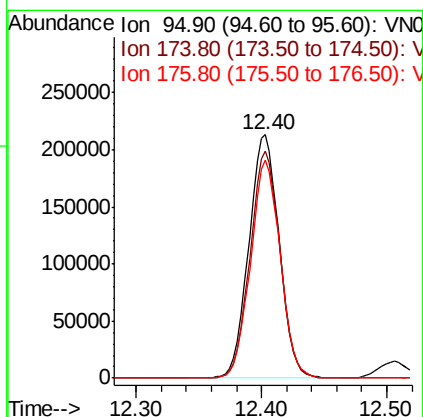
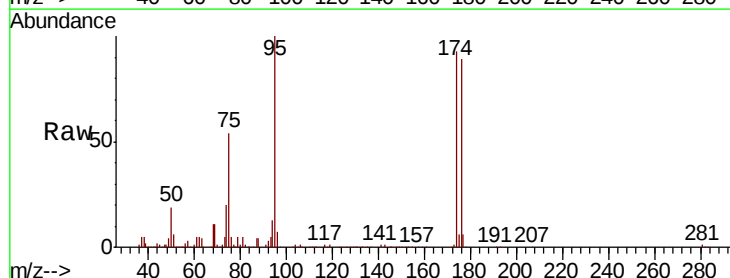
Instrument :
 MSVOA_N
 ClientSampled :

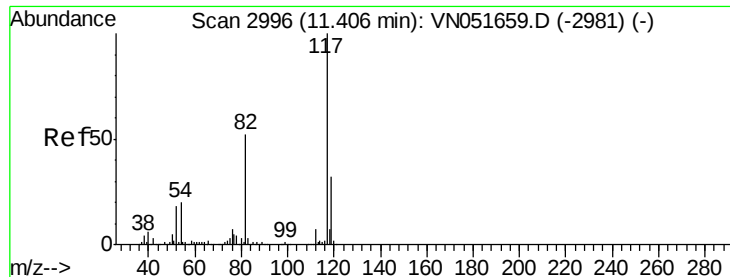
Tot Ion:107 Resp: 117950
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 19.240 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 95 Resp: 358810
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 182.8
 176 87.6 0.0 176.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampled :

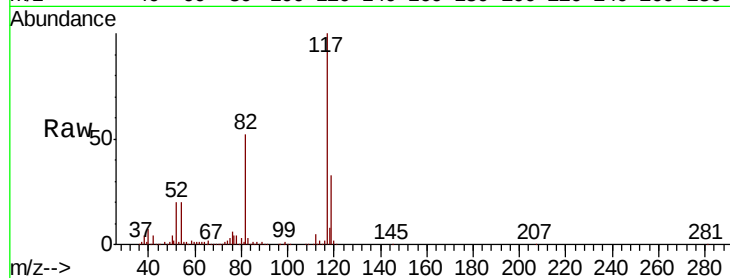
Tot Ion:117 Resp: 716165

Ion Ratio Lower Upper

117 100

82 52.3 41.3 61.9

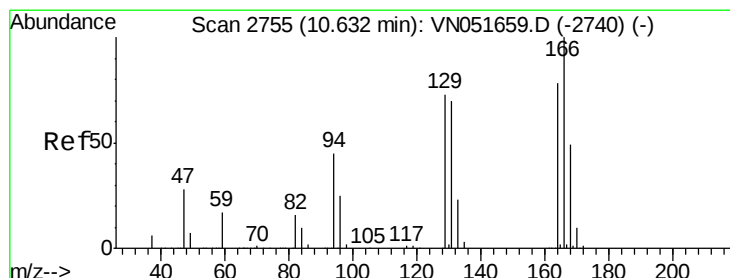
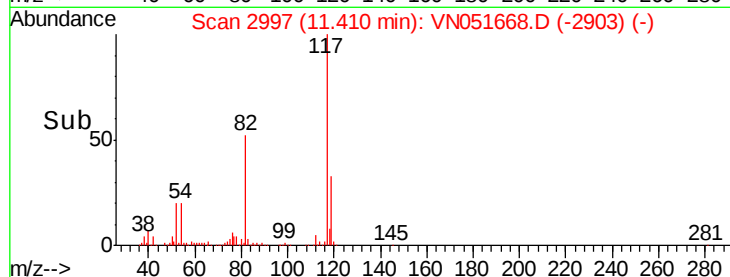
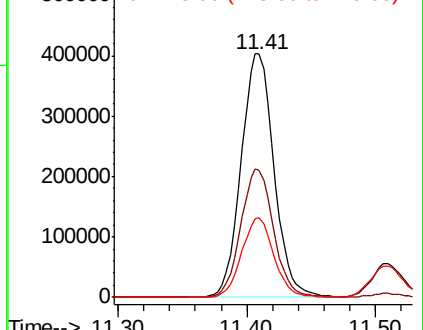
119 32.7 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.860 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion:164 Resp: 125481

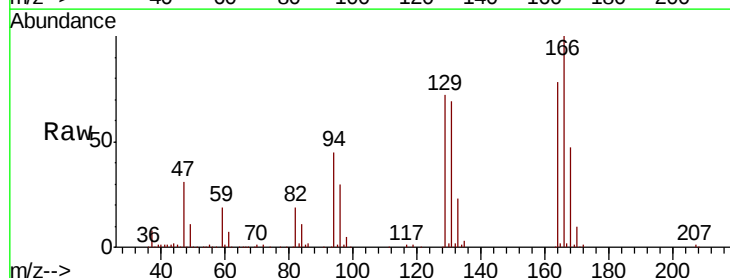
Ion Ratio Lower Upper

164 100

166 128.5 103.0 154.6

129 92.3 75.2 112.8

131 89.1 71.7 107.5

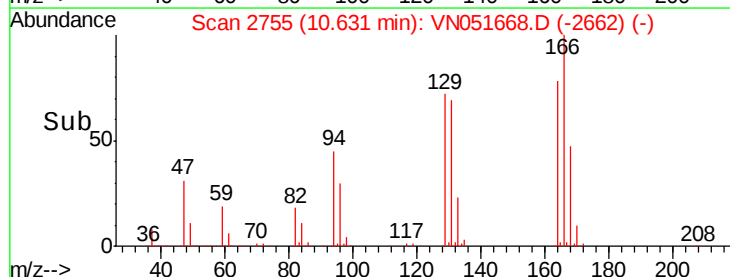
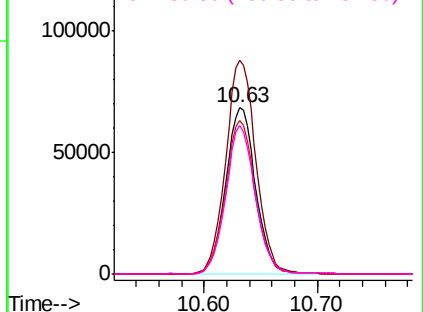


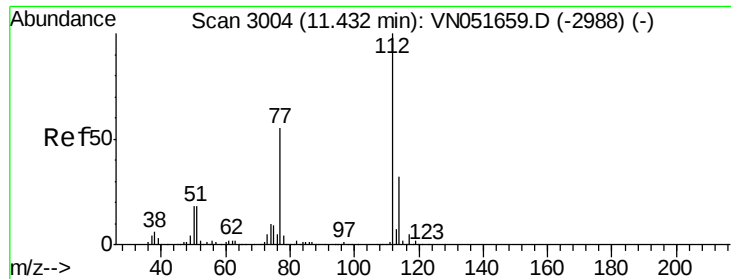
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.530 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

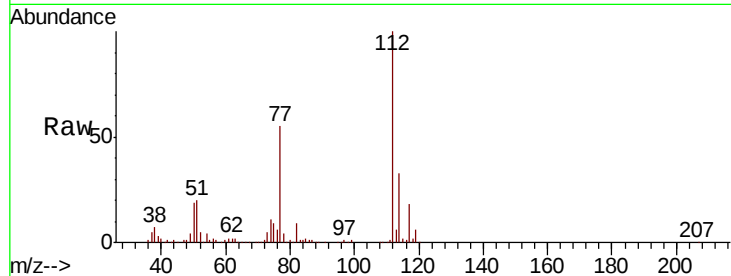
ClientSampleId :

Tot Ion:112 Resp: 346411

Ion Ratio Lower Upper

112 100

114 33.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

200000

150000

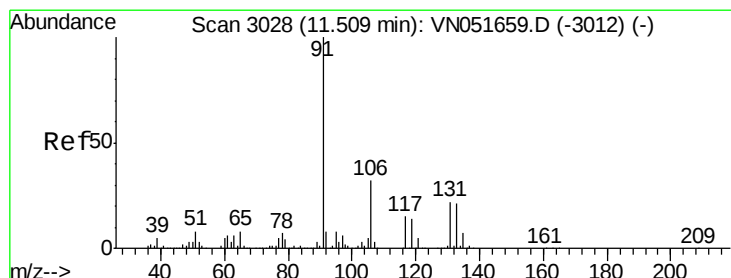
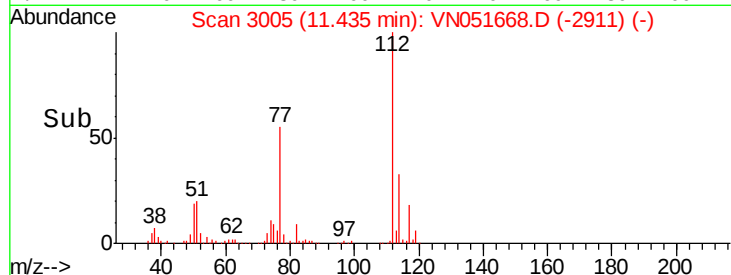
100000

50000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.631 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

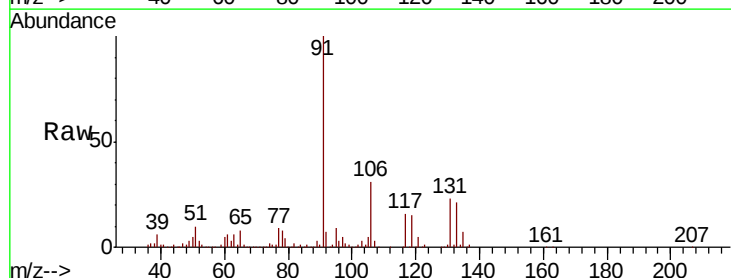
Tgt Ion:131 Resp: 139417

Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.8

119 65.7 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

150000

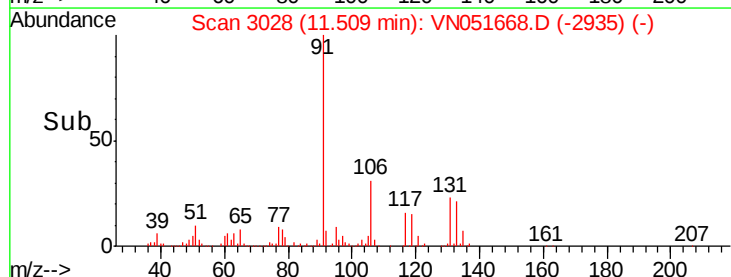
100000

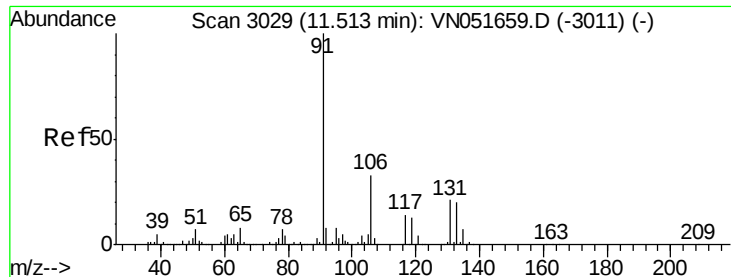
50000

0

Time-->

11.45 11.50 11.55 11.60

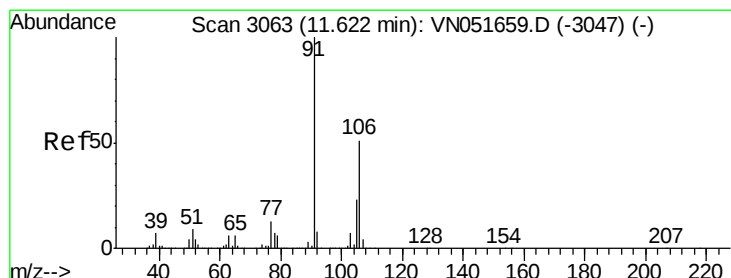
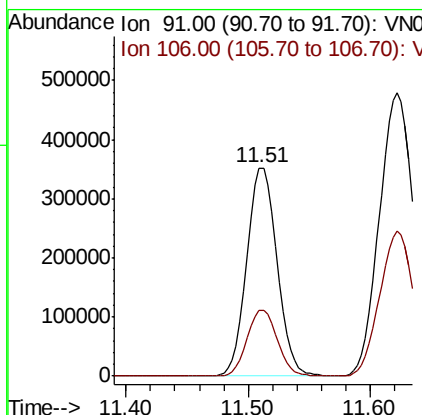
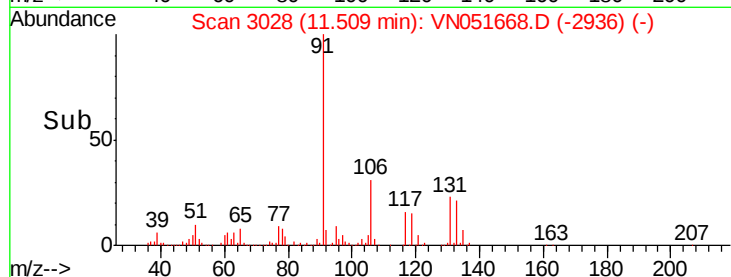
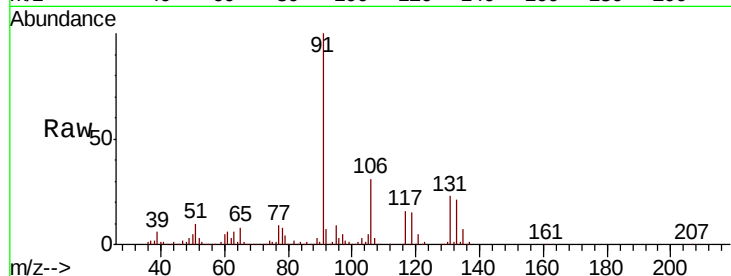




#67
Ethyl Benzene
Concen: 19.573 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

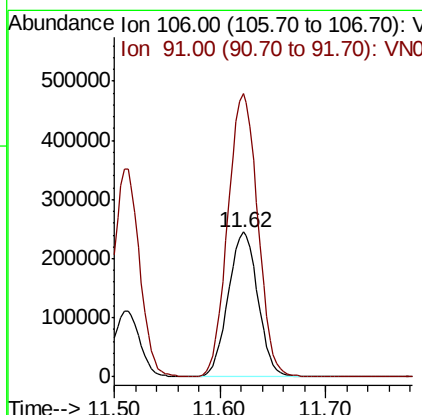
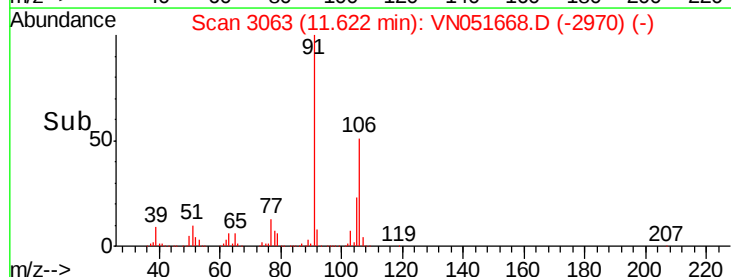
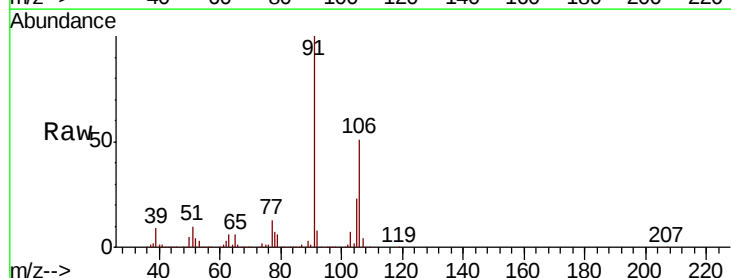
Instrument :
MSVOA_N
ClientSampled :

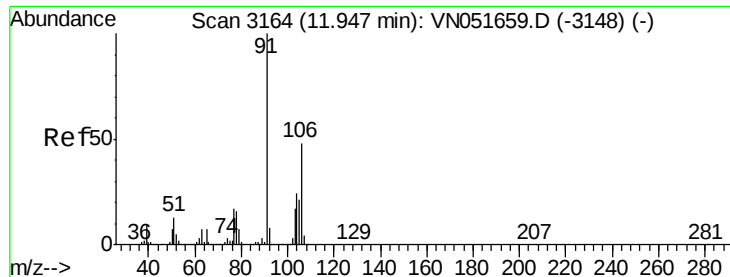
Tot Ion: 91 Resp: 600052
Ion Ratio Lower Upper
91 100
106 31.4 26.0 39.0



#68
m/p-Xylenes
Concen: 38.873 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 106 Resp: 476835
Ion Ratio Lower Upper
106 100
91 197.1 158.4 237.6

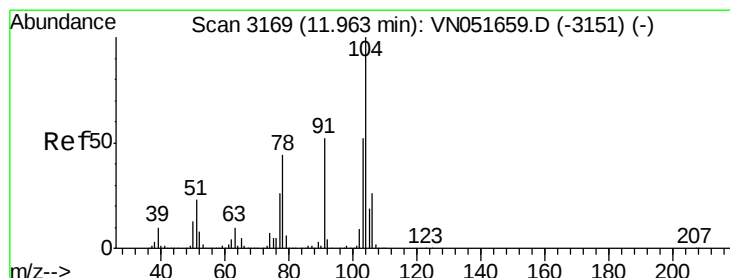
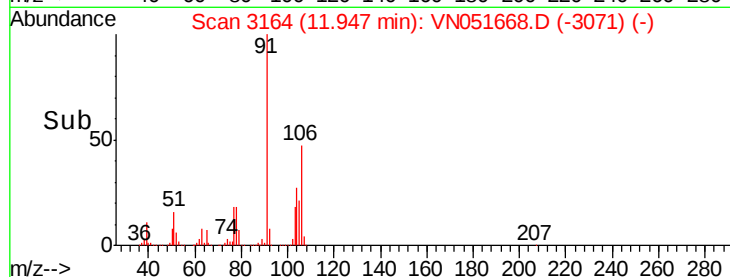
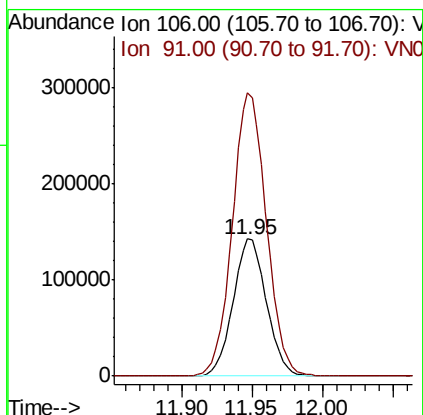
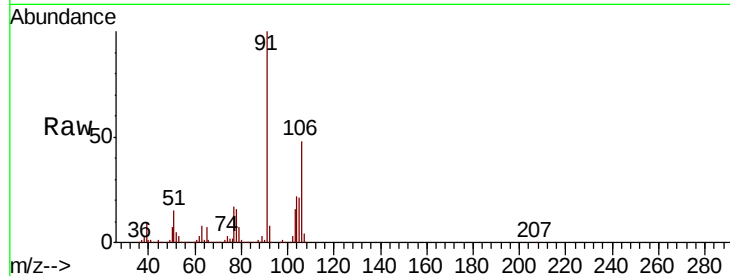




#69
o-Xylene
Concen: 19.581 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

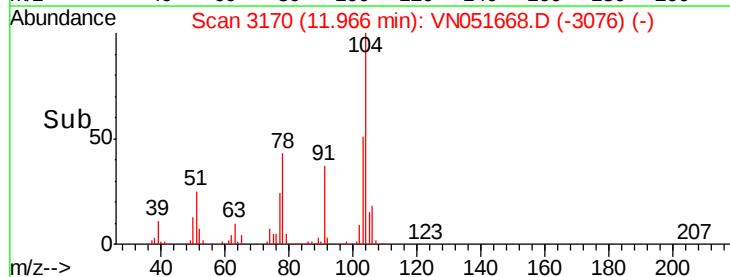
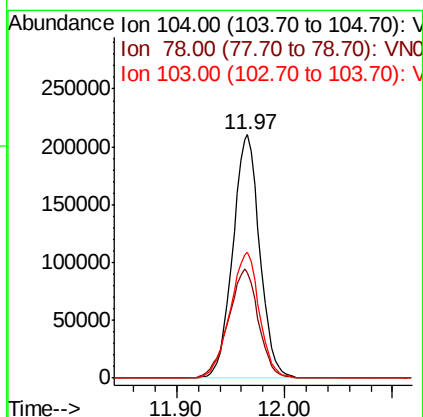
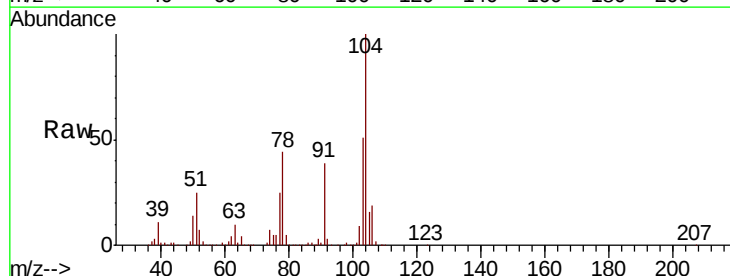
Instrument :
MSVOA_N
ClientSampled :

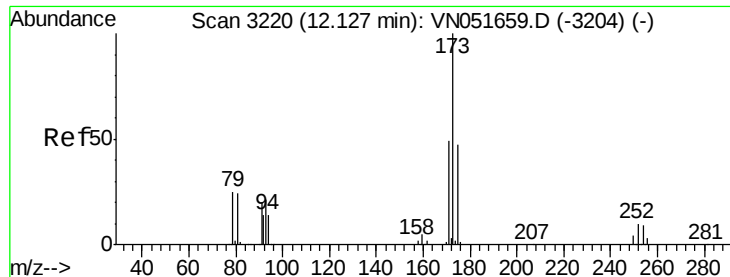
Tot Ion:106 Resp: 235557
Ion Ratio Lower Upper
106 100
91 209.6 104.4 313.2



#70
Styrene
Concen: 19.096 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion:104 Resp: 366042
Ion Ratio Lower Upper
104 100
78 50.0 39.3 58.9
103 56.0 45.0 67.6

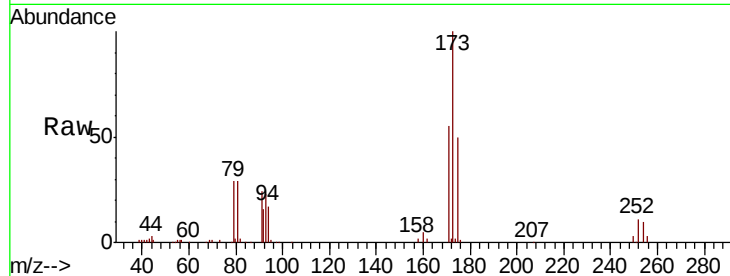




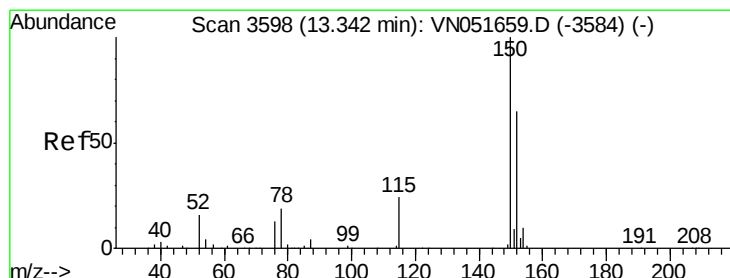
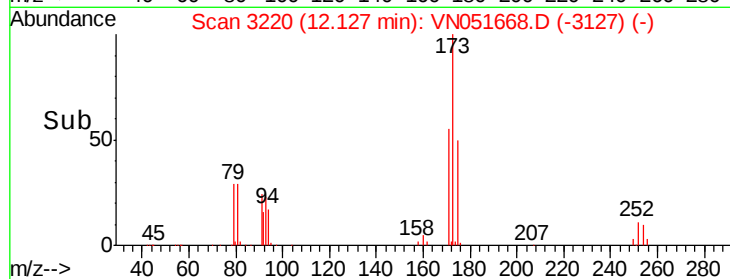
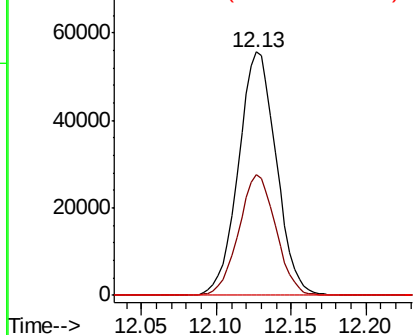
#71
Bromoform
Concen: 18.494 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 97693
Ion Ratio Lower Upper
173 100
175 48.8 24.0 72.0
254 0.0 0.1 0.1#

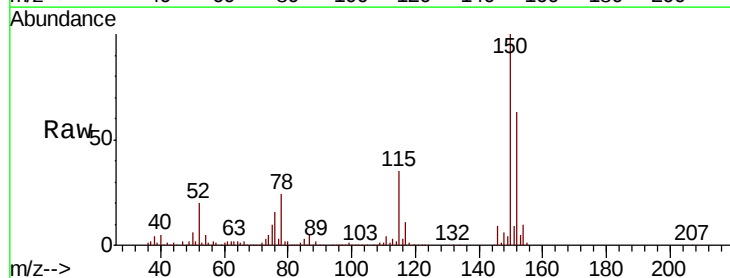


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

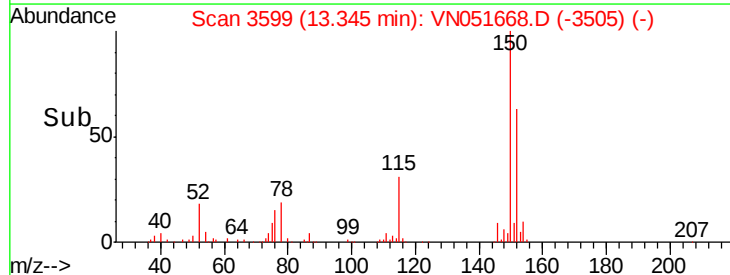
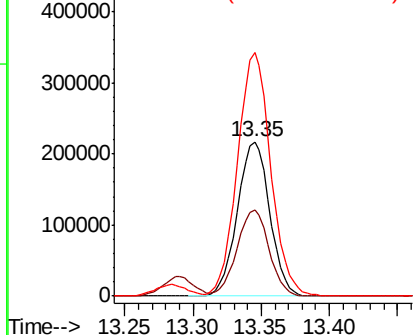


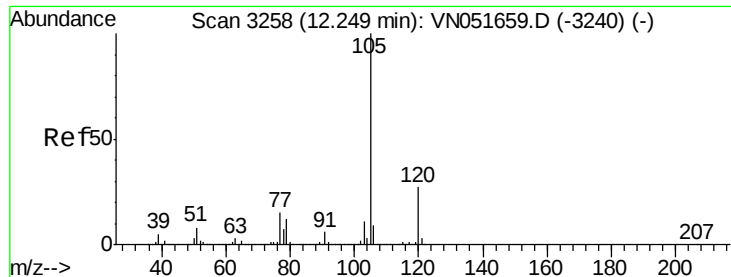
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion:152 Resp: 356723
Ion Ratio Lower Upper
152 100
115 55.3 28.6 85.8
150 162.6 0.0 352.4



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: 20.661 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

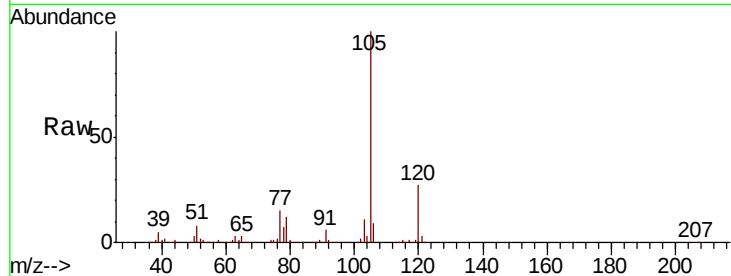
ClientSampleId :

Tot Ion:105 Resp: 628279

Ion Ratio Lower Upper

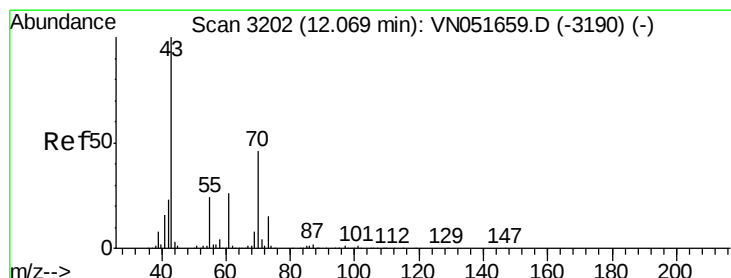
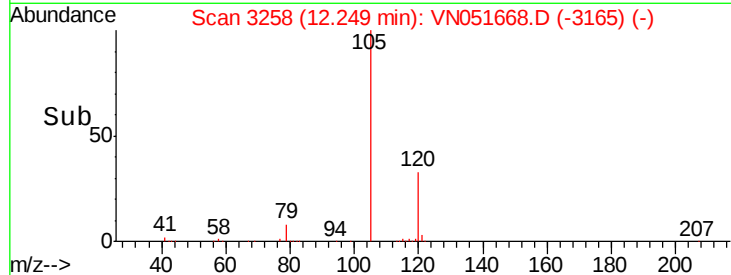
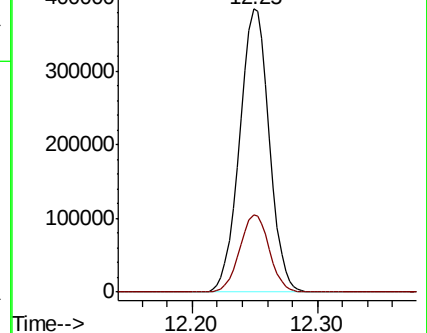
105 100

120 27.5 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Tgt Ion: 43 Resp: 153083

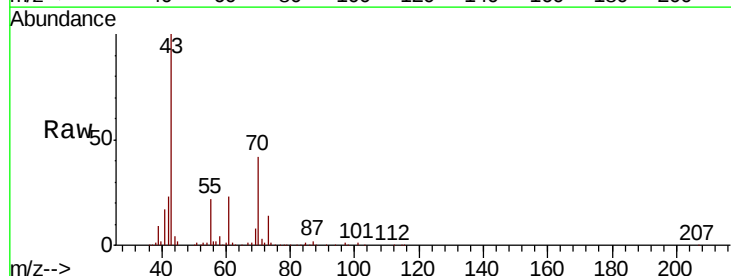
Ion Ratio Lower Upper

43 100

70 41.3 37.1 55.7

55 22.9 19.1 28.7

61 23.6 20.8 31.2

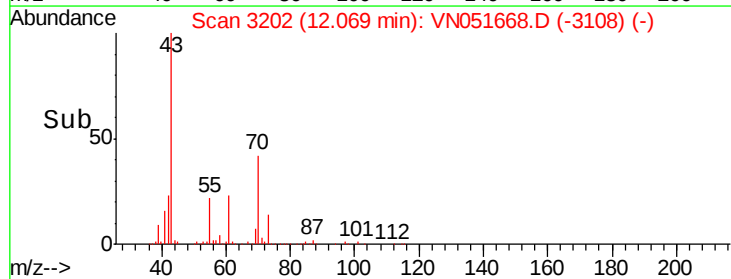
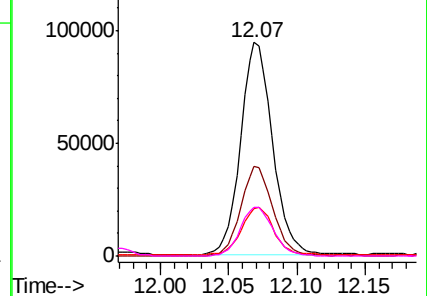


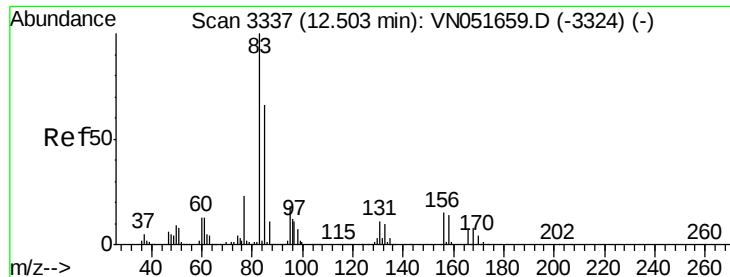
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.757 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampled :

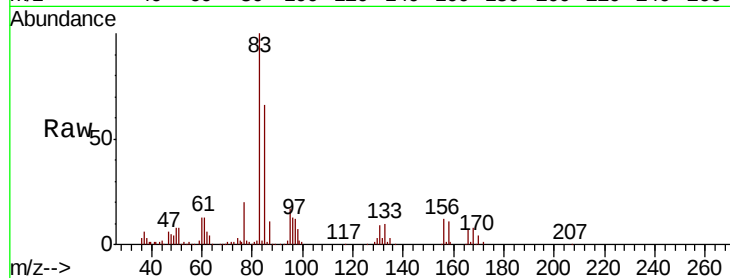
Tot Ion: 83 Resp: 141166

Ion Ratio Lower Upper

83 100

131 10.0 5.7 17.1

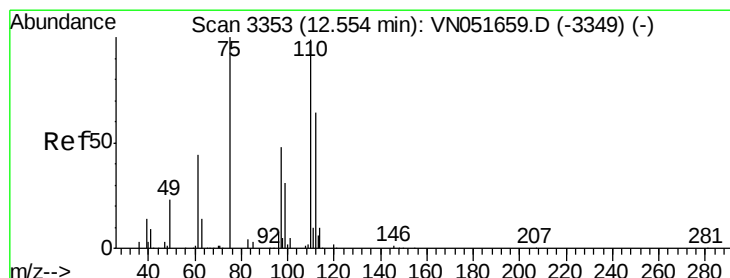
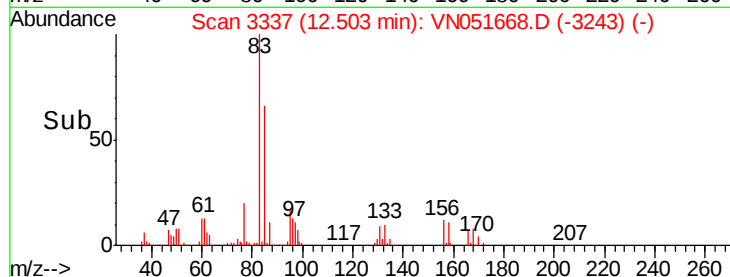
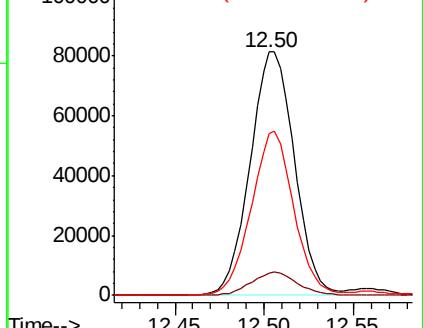
85 64.8 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN051668.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051668.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051668.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 38.655 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051668.D

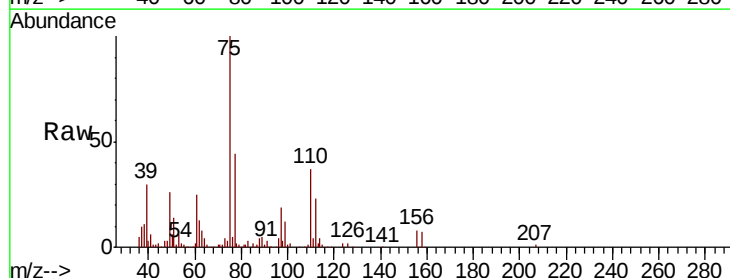
Acq: 4 Oct 2018 15:44

Tgt Ion: 75 Resp: 175463

Ion Ratio Lower Upper

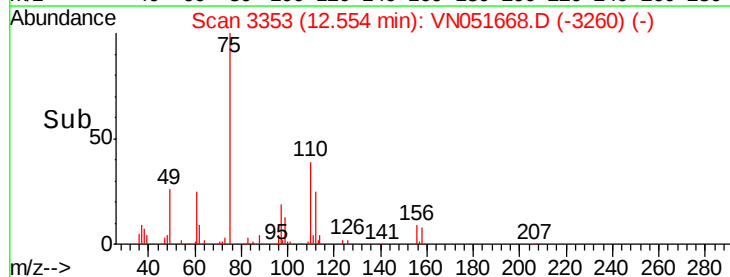
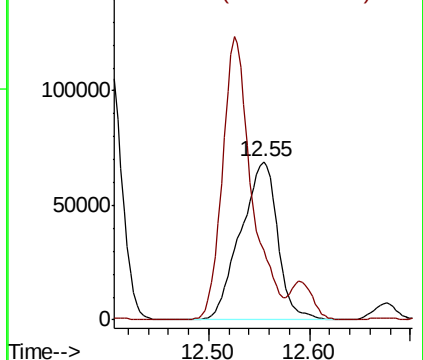
75 100

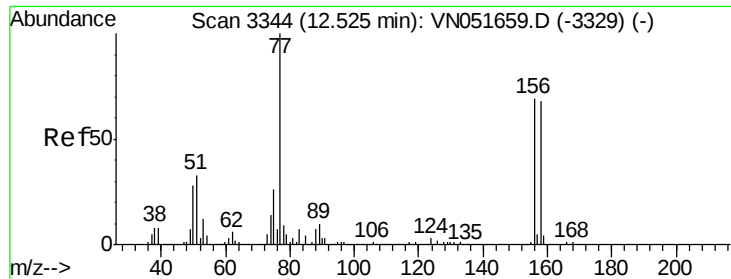
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051668.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051668.D (-3260) (-)





#77

Bromobenzene

Concen: 19.579 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

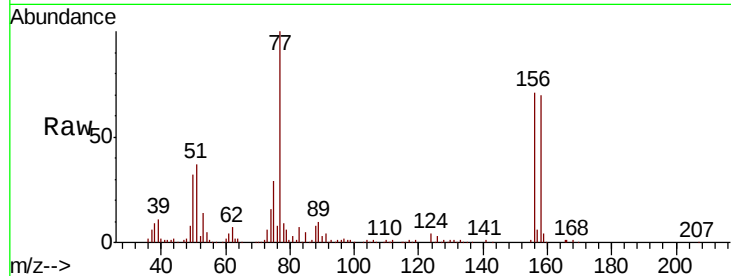
Tot Ion:156 Resp: 145573

Ion Ratio Lower Upper

156 100

77 173.1 83.2 249.4

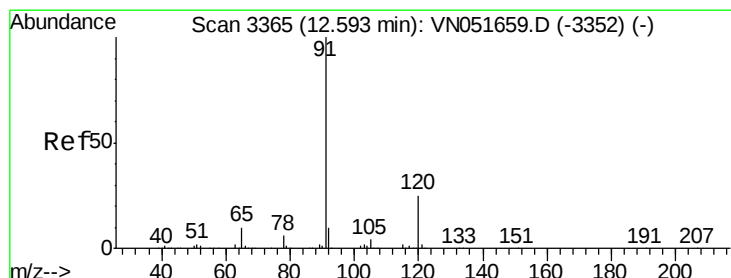
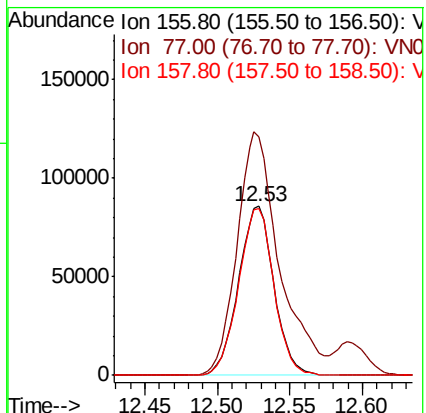
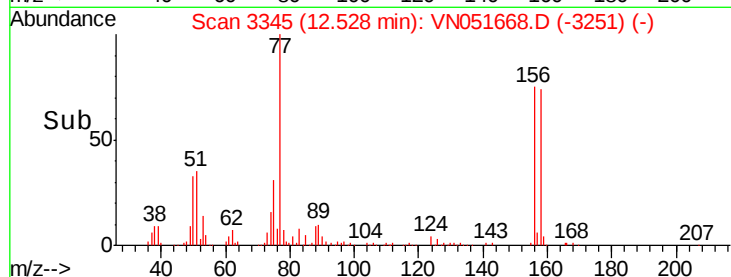
158 98.5 49.0 147.2



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: 20.447 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051668.D

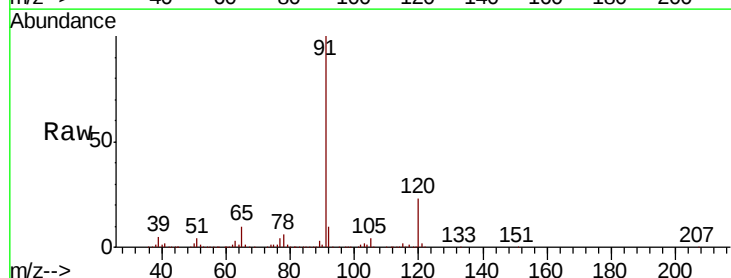
Acq: 4 Oct 2018 15:44

Tgt Ion: 91 Resp: 678154

Ion Ratio Lower Upper

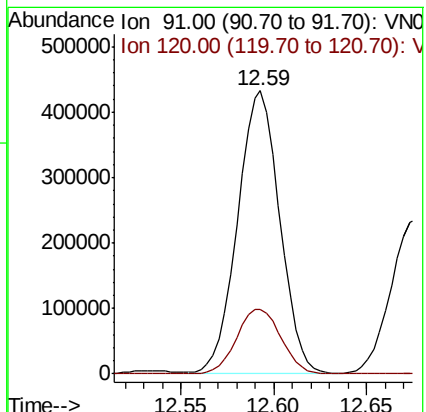
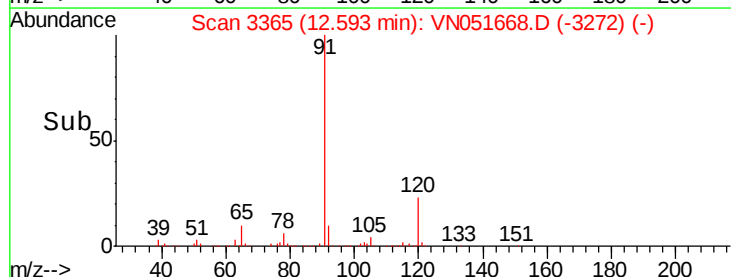
91 100

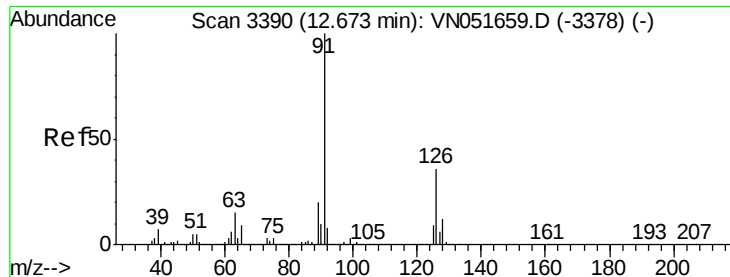
120 24.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

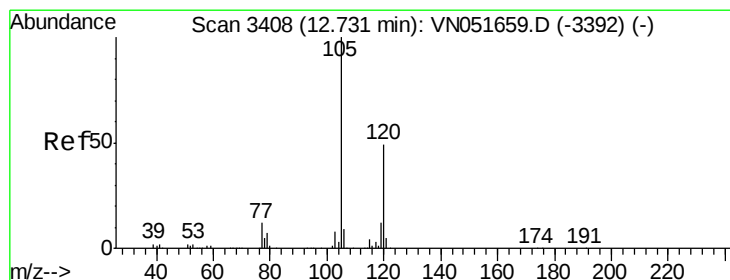
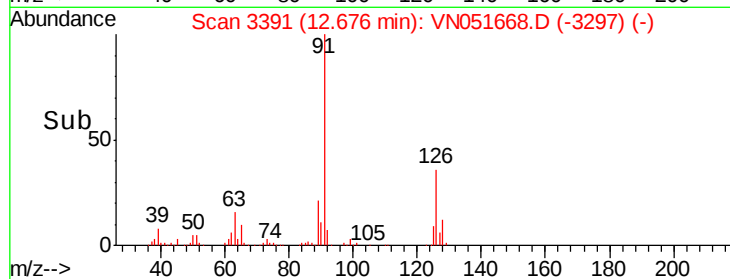
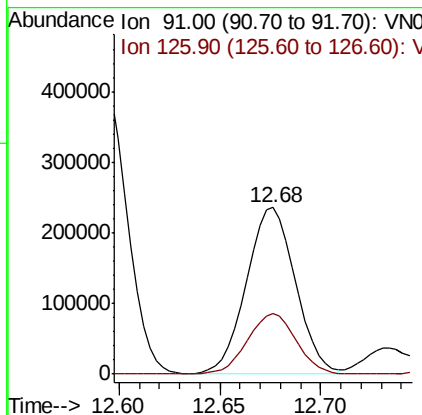
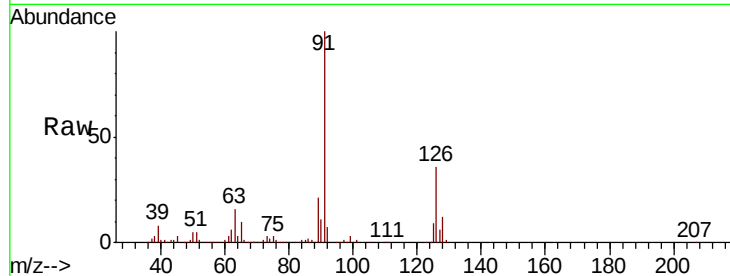




#79
 2-Chlorotoluene
 Concen: 20.422 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

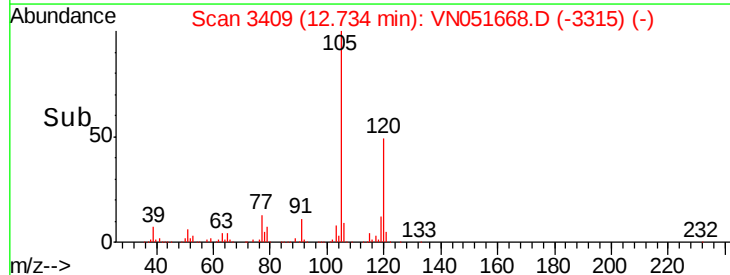
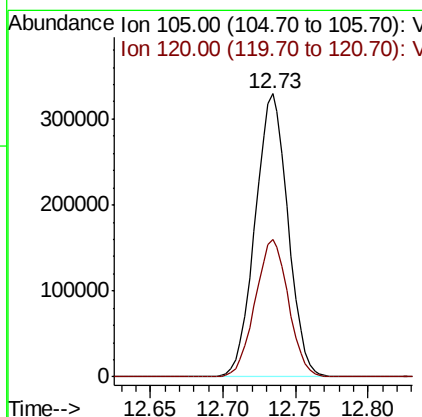
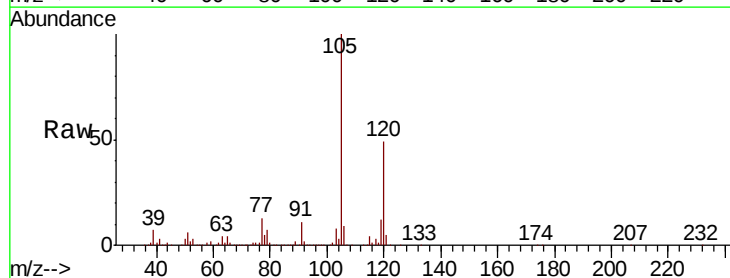
Instrument :
 MSVOA_N
 ClientSampled :

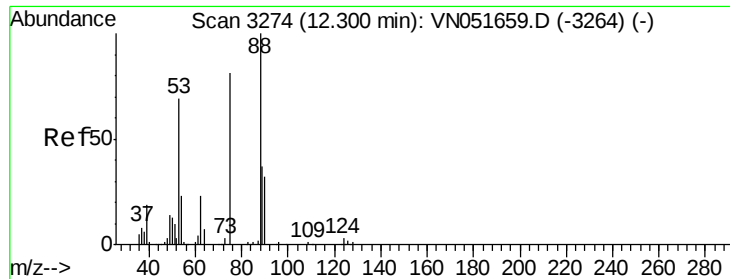
Tot Ion: 91 Resp: 399194
 Ion Ratio Lower Upper
 91 100
 126 36.6 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 20.219 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion: 105 Resp: 518136
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0

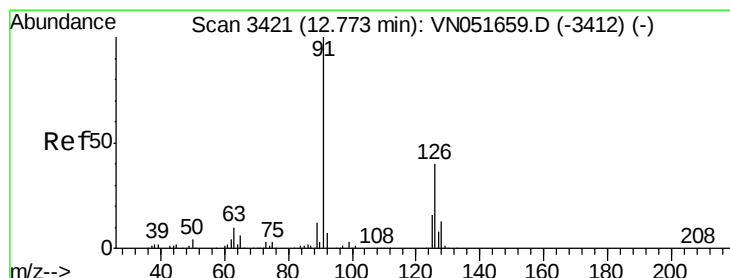
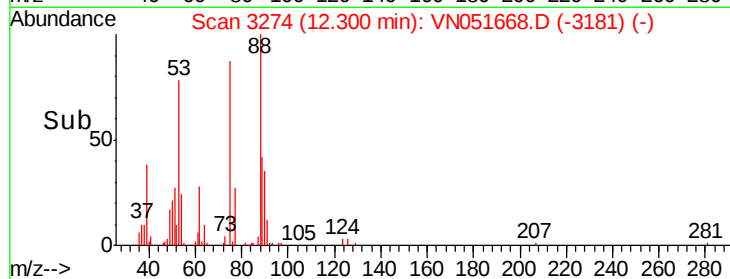
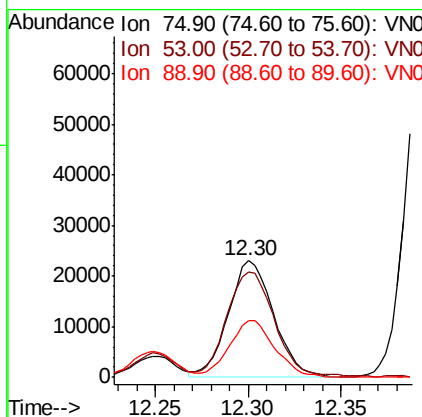
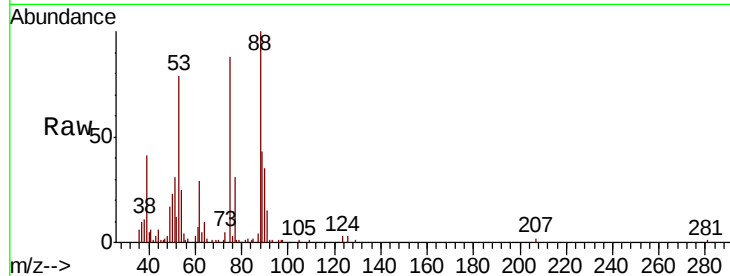




#81
trans-1,4-Dichloro-2-butene
Concen: 20.163 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

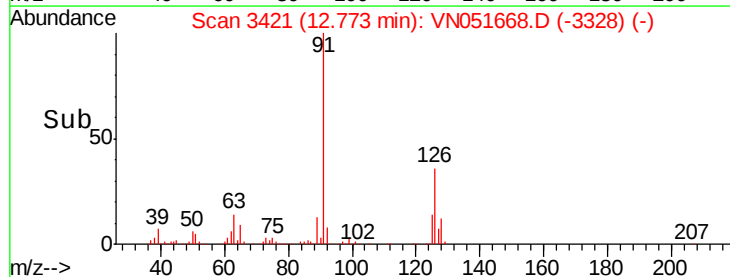
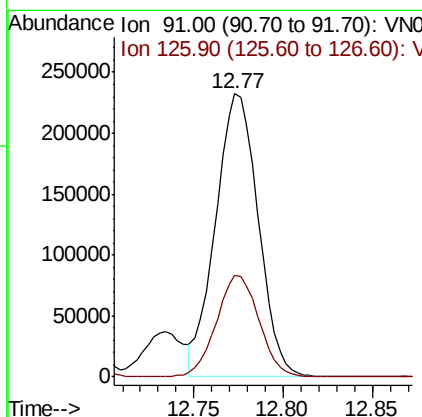
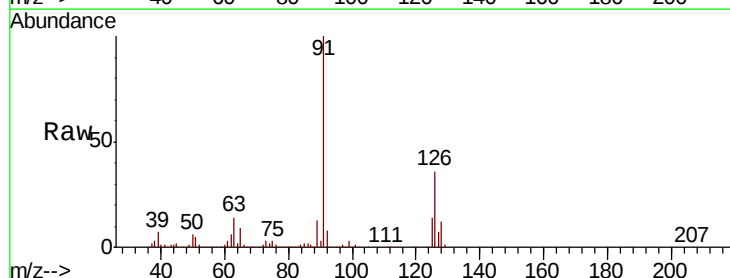
Instrument :
MSVOA_N
ClientSampleId :

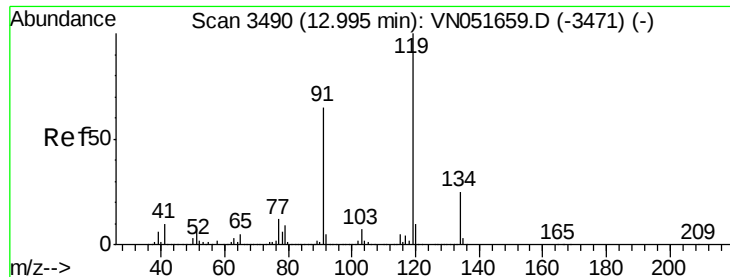
Tot Ion: 75 Resp: 39128
Ion Ratio Lower Upper
75 100
53 96.0 68.6 102.8
89 48.5 39.4 59.2



#82
4-Chlorotoluene
Concen: 19.627 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 91 Resp: 385403
Ion Ratio Lower Upper
91 100
126 35.8 18.0 54.0

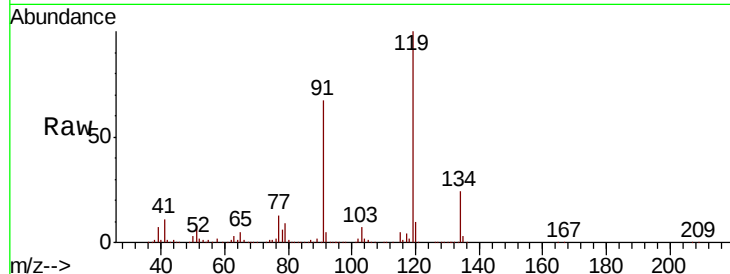




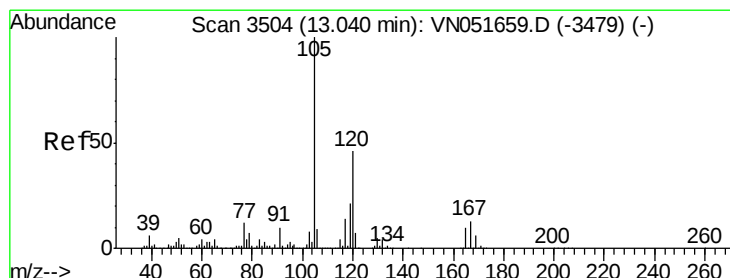
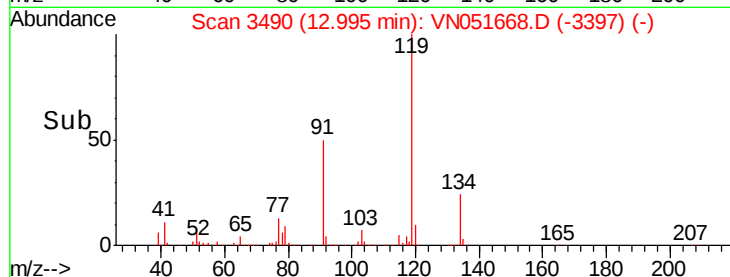
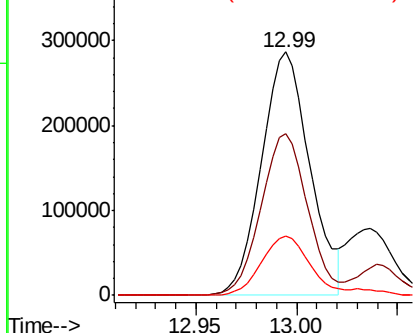
#83
tert-Butylbenzene
Concen: 20.871 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.1	96.5
134	25.9	13.3	39.9

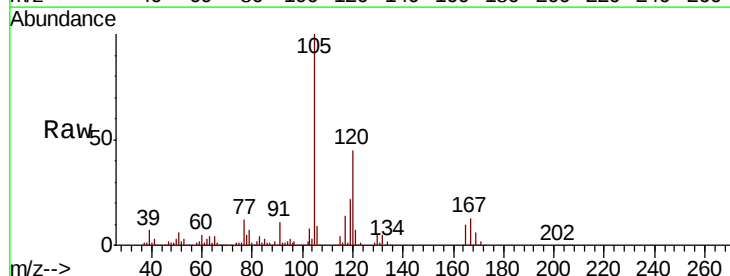


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

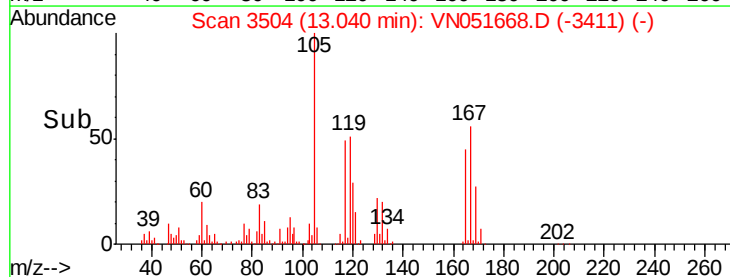
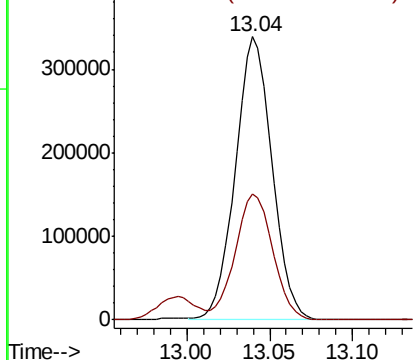


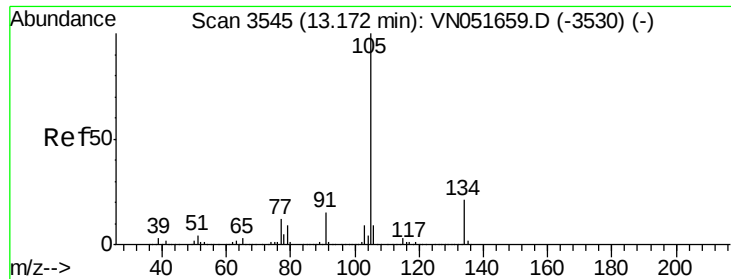
#84
1,2,4-Trimethylbenzene
Concen: 20.236 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.7



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





#85

sec-Butylbenzene

Concen: 20.474 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

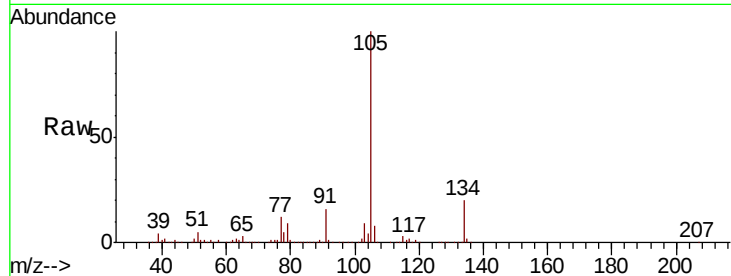
ClientSampled :

Tot Ion:105 Resp: 621877

Ion Ratio Lower Upper

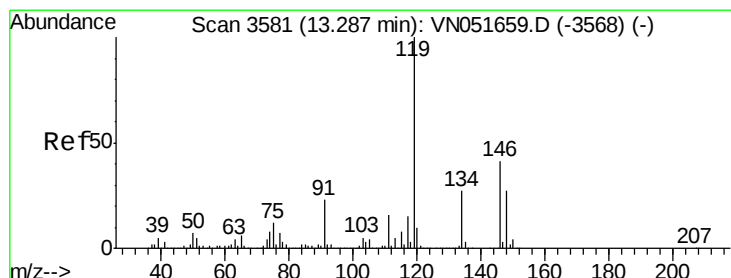
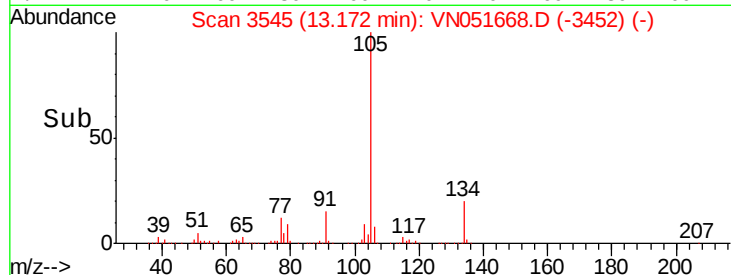
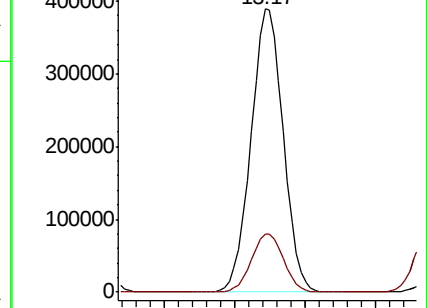
105 100

134 20.4 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.218 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

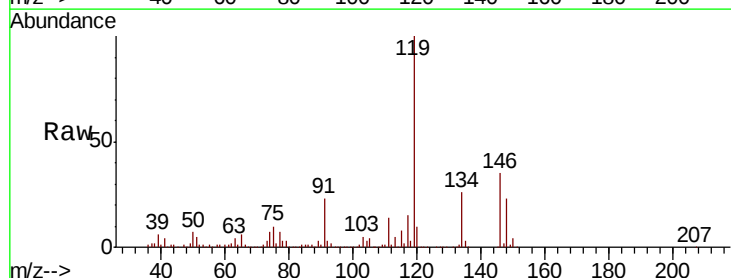
Tgt Ion:119 Resp: 544419

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

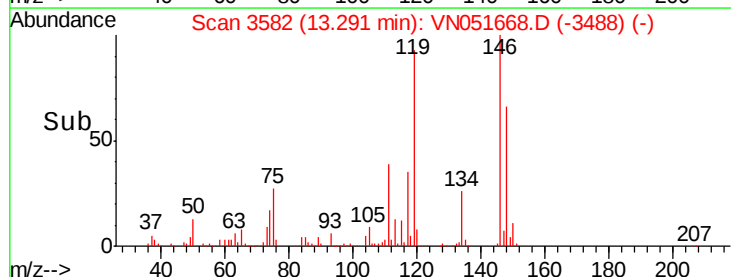
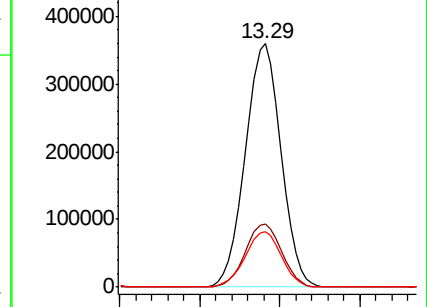
91 23.0 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

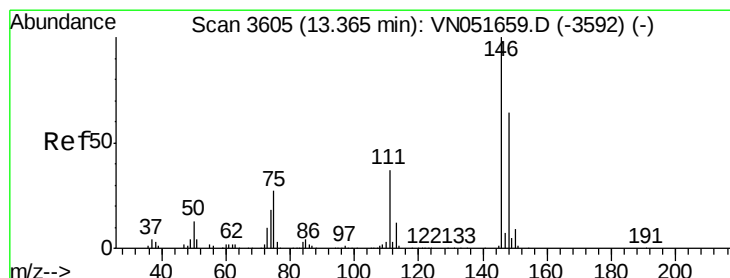
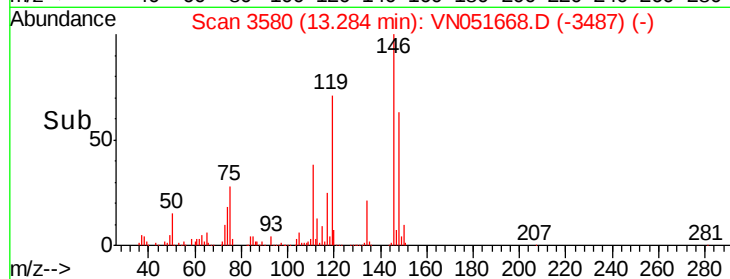
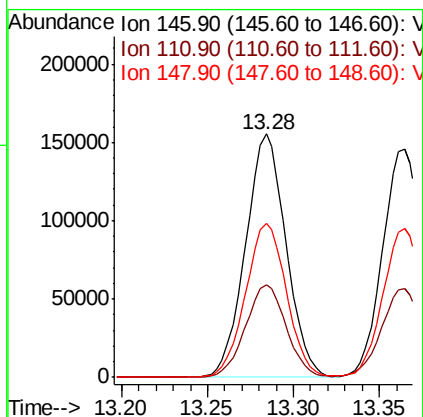
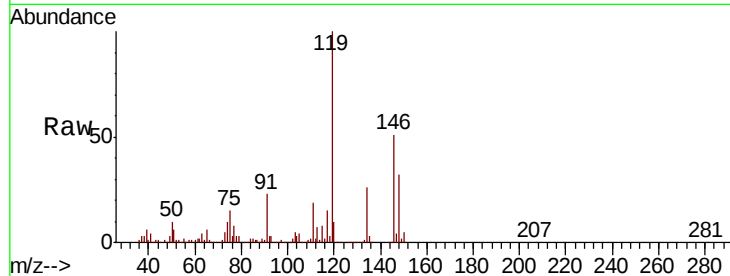




#87
 1,3-Dichlorobenzene
 Concen: 19.551 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

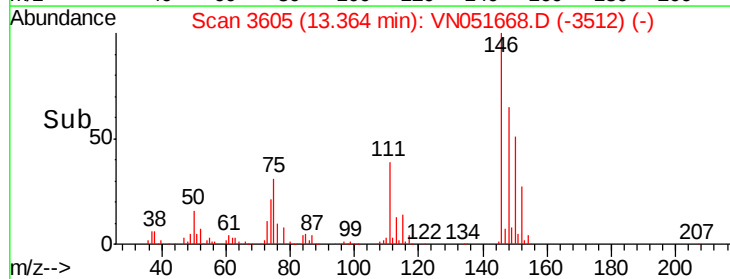
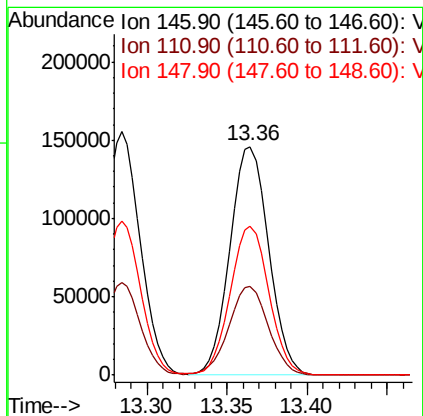
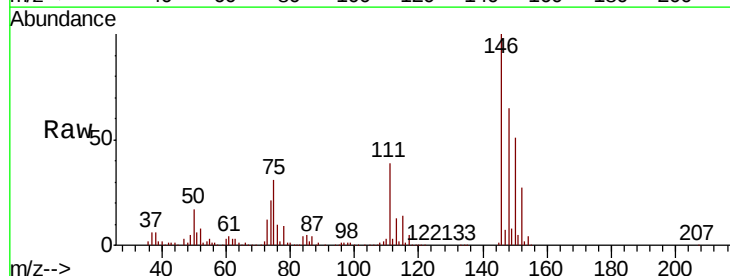
Instrument :
 MSVOA_N
 ClientSampleId :

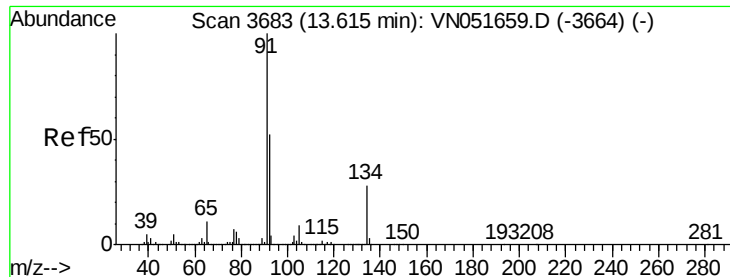
Tot Ion:146 Resp: 253302
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.3 57.9
 148 63.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.884 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion:146 Resp: 240814
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.6 55.8
 148 65.1 32.3 96.8

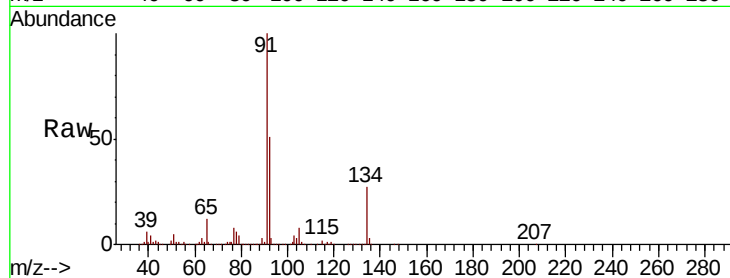




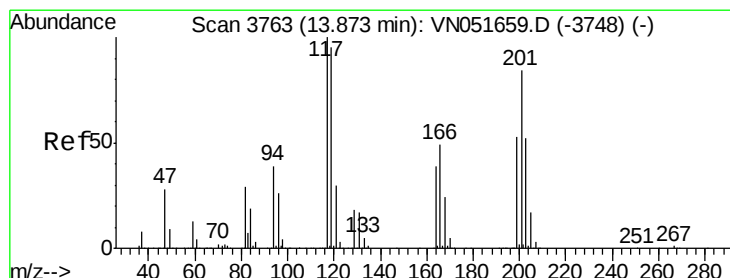
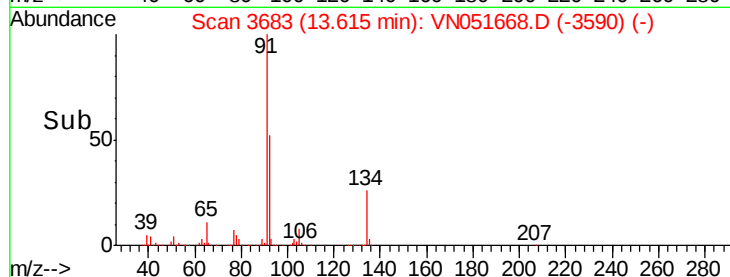
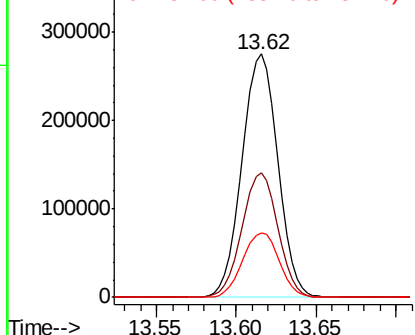
#89
n-Butylbenzene
Concen: 19.653 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 418426
Ion Ratio Lower Upper
91 100
92 51.4 26.0 78.0
134 27.1 14.2 42.6

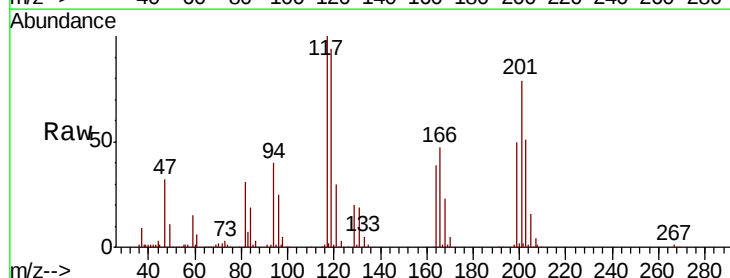


Abundance Ion 91.00 (90.70 to 91.70): VN051668.D (-3590) (-)
Ion 92.00 (91.70 to 92.70): VN051668.D (-3590) (-)
Ion 134.00 (133.70 to 134.70): VN051668.D (-3590) (-)

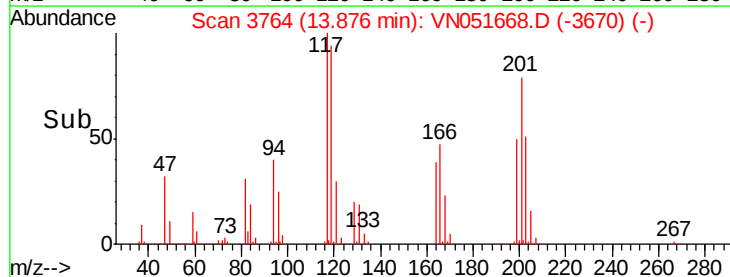
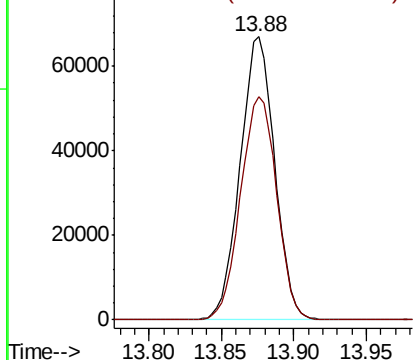


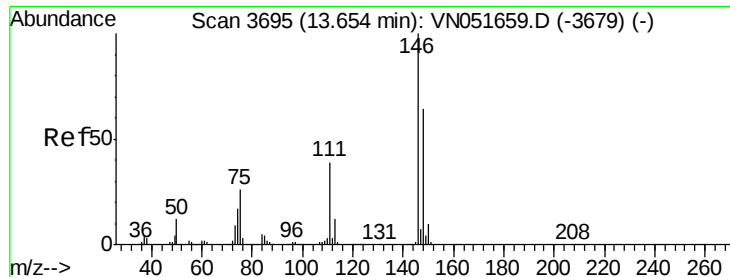
#90
Hexachloroethane
Concen: 20.674 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051668.D
Acq: 4 Oct 2018 15:44

Tgt Ion: 117 Resp: 111068
Ion Ratio Lower Upper
117 100
201 82.4 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VN051668.D (-3670) (-)
Ion 200.70 (200.40 to 201.40): VN051668.D (-3670) (-)

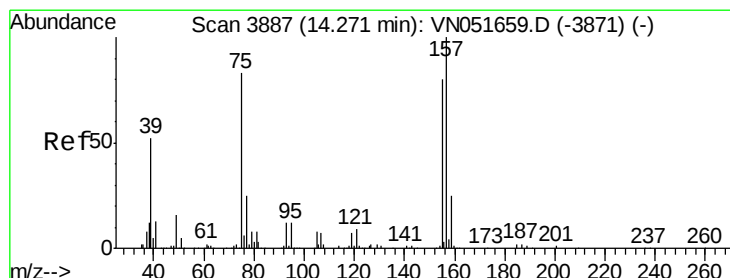
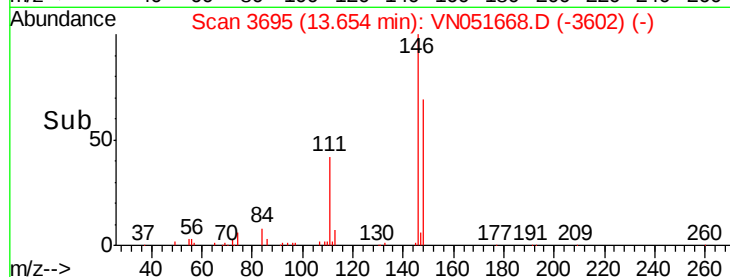
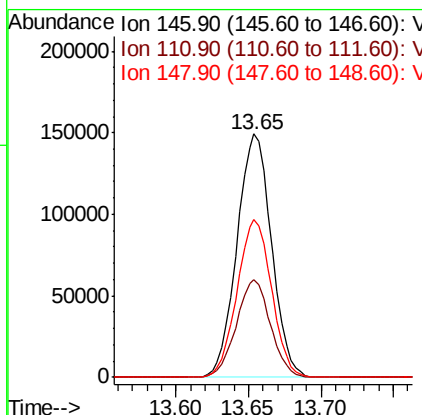
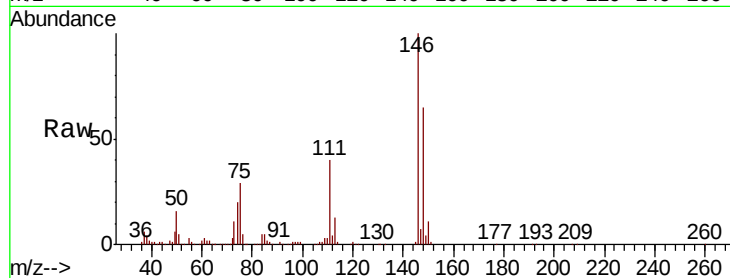




#91
 1,2-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

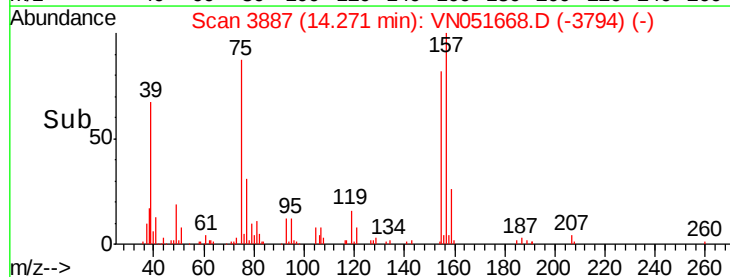
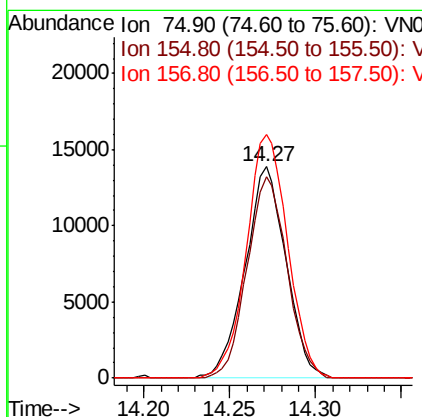
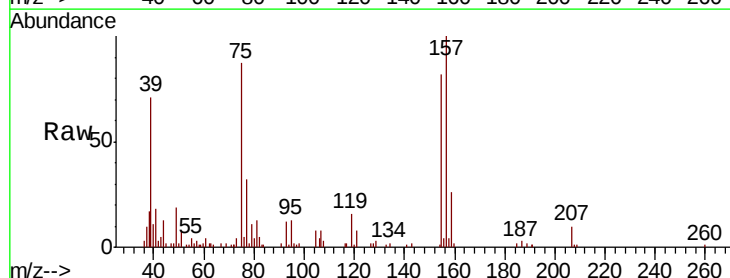
Instrument :
 MSVOA_N
 ClientSampleId :

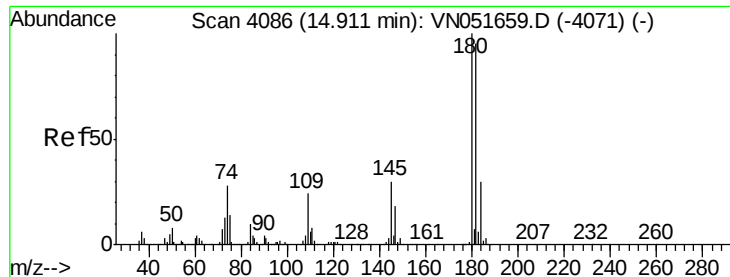
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	64.6	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.499 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	47.6	142.9
157	115.7	61.7	185.1

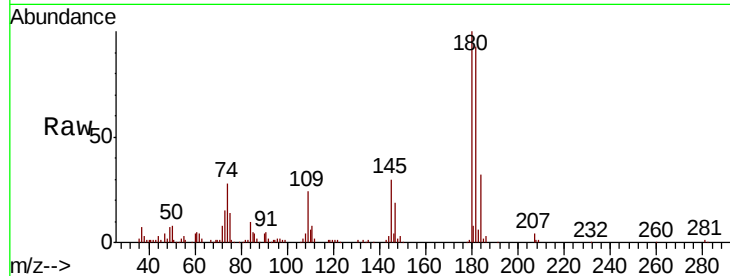




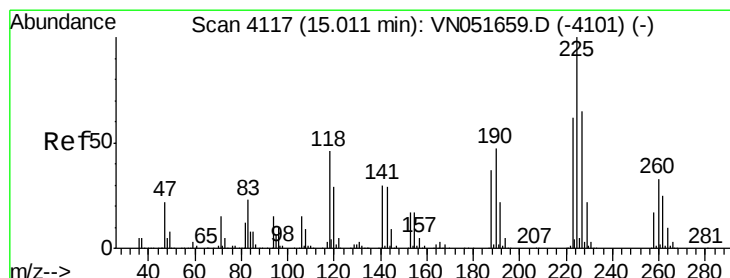
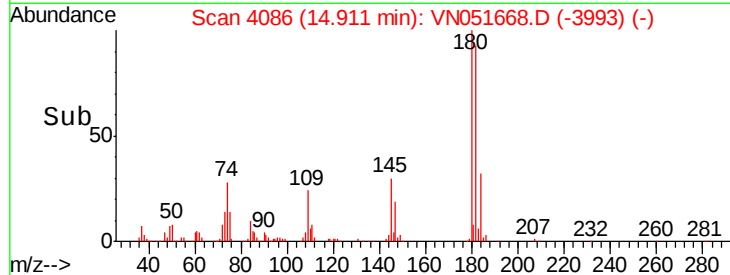
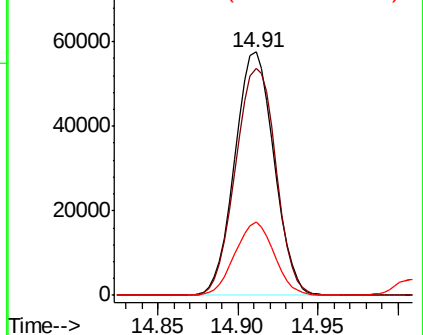
#93
 1,2,4-Trichlorobenzene
 Concen: 16.782 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 96181
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.7 143.1
 145 29.9 15.3 45.9

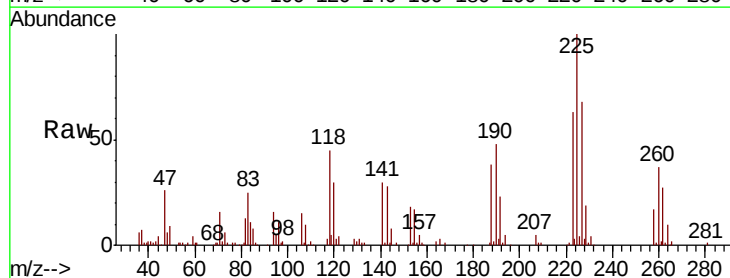


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

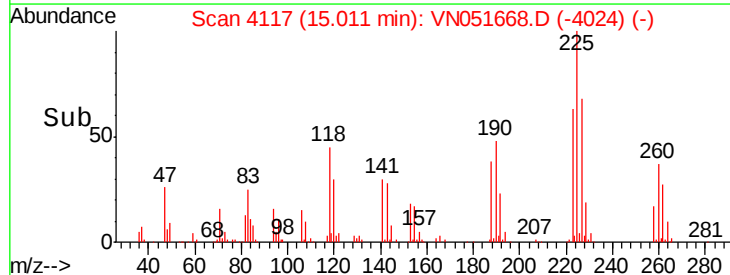
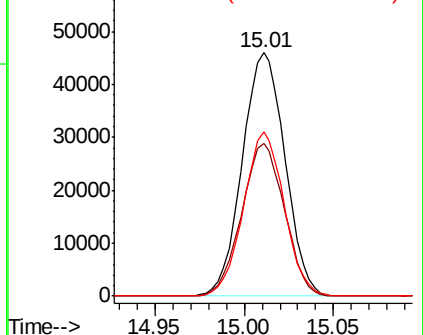


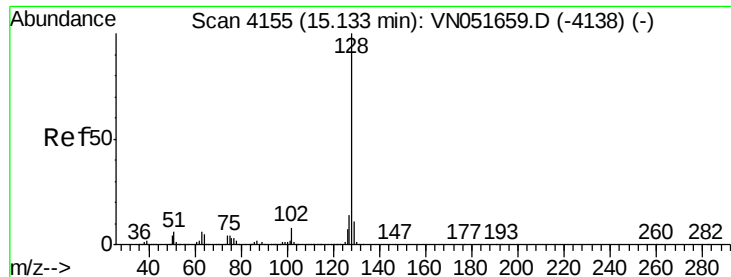
#94
 Hexachlorobutadiene
 Concen: 19.814 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051668.D
 Acq: 4 Oct 2018 15:44

Tgt Ion:225 Resp: 77045
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.5
 227 64.4 31.7 95.1



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: 17.071 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

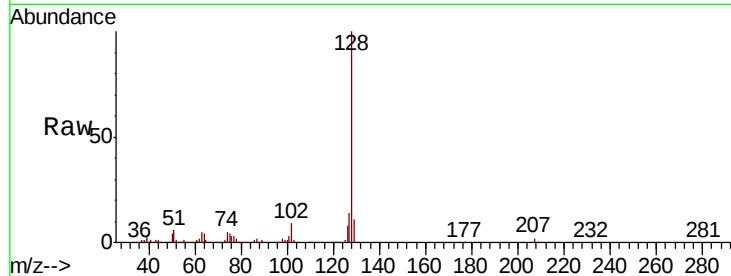
Tot Ion:128 Resp: 211271

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

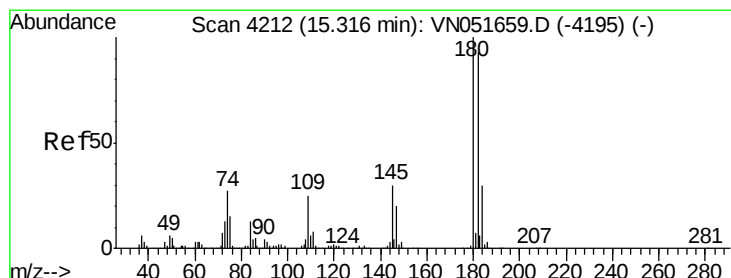
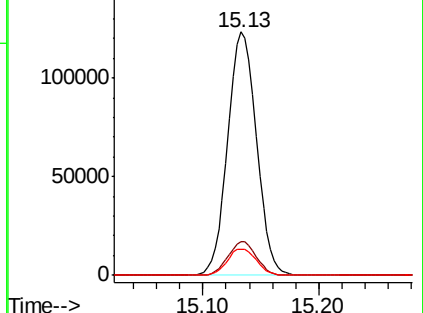
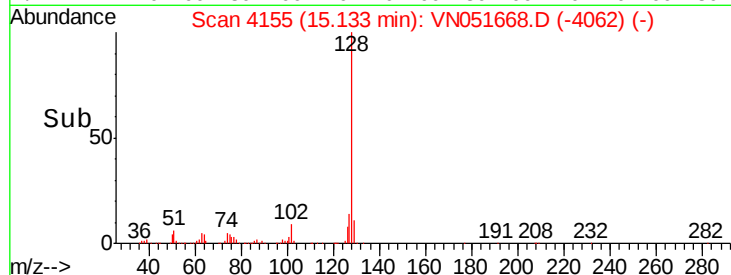
129 11.0 9.0 13.6



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: 17.758 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN051668.D

Acq: 4 Oct 2018 15:44

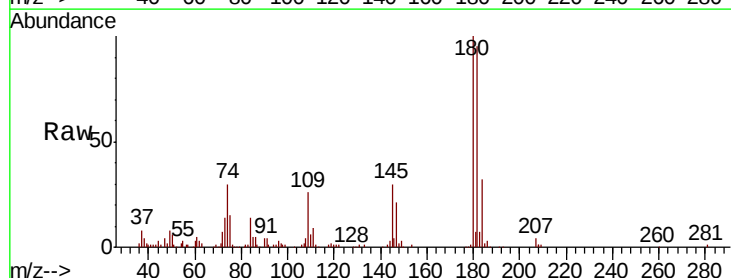
Tgt Ion:180 Resp: 100235

Ion Ratio Lower Upper

180 100

182 95.7 47.3 141.8

145 29.8 15.6 46.8



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

