

Data File : VN051909.D
Acq On : 18 Oct 2018 11:53
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Oct 19 06:46:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1169626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1700968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1565654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	794954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	525687	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.59	113	540850	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.09	98	1954460	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	679808	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	324314	45.826	ug/l	99
3) Chloromethane	2.06	50	318949	46.125	ug/l	99
4) Vinyl Chloride	2.18	62	480284	45.987	ug/l	99
5) Bromomethane	2.56	94	447612	52.077	ug/l	98
6) Chloroethane	2.70	64	368712	48.646	ug/l	100
7) Trichlorofluoromethane	3.01	101	813945	50.574	ug/l	97
8) Diethyl Ether	3.41	74	232359	49.280	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	476408	51.590	ug/l	100
10) Methyl Iodide	3.95	142	594127	48.941	ug/l	100
11) Tert butyl alcohol	4.79	59	148430	234.265	ug/l	100
12) 1,1-Dichloroethene	3.74	96	416561	49.487	ug/l	98
13) Acrolein	3.61	56	85500	187.748	ug/l	100
14) Allyl chloride	4.32	41	473666	51.956	ug/l	99
15) Acrylonitrile	4.99	53	575860	248.918	ug/l	98
16) Acetone	3.82	43	481946	251.010	ug/l	100
17) Carbon Disulfide	4.05	76	1000361	47.666	ug/l	99
18) Methyl Acetate	4.33	43	285231	49.992	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1207771	49.787	ug/l	100
20) Methylene Chloride	4.55	84	469875	48.141	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	476212	49.227	ug/l	99
22) Diisopropyl ether	5.95	45	1074221	50.558	ug/l	98
23) Vinyl Acetate	5.90	43	3724596	254.619	ug/l	99
24) 1,1-Dichloroethane	5.85	63	760916	49.452	ug/l	99
25) 2-Butanone	6.84	43	691517	252.006	ug/l	99
26) 2,2-Dichloropropane	6.82	77	770488	52.946	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	569580	50.664	ug/l	99
28) Bromochloromethane	7.19	49	300693	48.124	ug/l	100
29) Tetrahydrofuran	7.21	42	408640	243.814	ug/l	98
30) Chloroform	7.37	83	937008	50.903	ug/l	96
31) Cyclohexane	7.65	56	636833	51.323	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	882405	51.395	ug/l	99
36) 1,1-Dichloropropene	7.79	75	662269	50.164	ug/l	99
37) Ethyl Acetate	6.93	43	302697	49.763	ug/l	99
38) Carbon Tetrachloride	7.77	117	804415	51.741	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	846437	51.776	ug/l	99
40) Benzene	8.04	78	1951135	50.591	ug/l	99
41) Methacrylonitrile	7.18	41	143677	47.913	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	626017	50.667	ug/l	100
43) Isopropyl Acetate	8.16	43	591029	49.300	ug/l	98
44) Trichloroethene	8.83	130	628427	51.923	ug/l	100
45) 1,2-Dichloropropane	9.12	63	456379	51.174	ug/l	100
46) Dibromomethane	9.21	93	347540	51.126	ug/l	99
47) Bromodichloromethane	9.40	83	726396	53.316	ug/l	99
48) Methyl methacrylate	9.20	41	273337	51.289	ug/l	99
49) 1,4-Dioxane	9.20	88	97580	963.985	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1574676	256.221	ug/l	99
52) Toluene	10.16	92	1356492	52.578	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	702657	54.424	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	770183	53.498	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	494449	52.305	ug/l	99
56) Ethyl methacrylate	10.43	69	550017	52.042	ug/l	99
57) 1,3-Dichloropropane	10.71	76	748019	51.970	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1118320	230.090	ug/l	100
59) 2-Hexanone	10.75	43	1073662	260.539	ug/l	99
60) Dibromochloromethane	10.90	129	613571	48.488	ug/l	100
61) 1,2-Dibromoethane	11.00	107	524094	52.857	ug/l	99
64) Tetrachloroethene	10.63	164	629978	50.129	ug/l	99
65) Chlorobenzene	11.43	112	1593907	50.921	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	617115	52.964	ug/l	99
67) Ethyl Benzene	11.51	91	2666128	51.992	ug/l	100
68) m/p-Xylenes	11.62	106	2193651	106.539	ug/l	100
69) o-Xylene	11.95	106	1073320	53.490	ug/l	100
70) Styrene	11.96	104	1686518	54.639	ug/l	100
71) Bromoform	12.13	173	409623	46.941	ug/l #	98
73) Isopropylbenzene	12.25	105	2893814	47.023	ug/l	100
74) N-amyl acetate	12.07	43	504179	47.649	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	572849	46.060	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	684158	70.808	ug/l #	100
77) Bromobenzene	12.53	156	739346	47.214	ug/l	99
78) n-propylbenzene	12.59	91	3152831	49.215	ug/l	100
79) 2-Chlorotoluene	12.67	91	1833998	54.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2433335	48.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	144007	49.101	ug/l	98
82) 4-Chlorotoluene	12.77	91	1853527	49.512	ug/l	99
83) tert-Butylbenzene	12.99	119	2219384	47.479	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2461222	50.323	ug/l	100
85) sec-Butylbenzene	13.17	105	2992101	50.351	ug/l	100
86) p-Isopropyltoluene	13.29	119	2713425	52.684	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1361195	51.574	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1327503	51.177	ug/l	98
89) n-Butylbenzene	13.62	91	2081776	55.719	ug/l	100
90) Hexachloroethane	13.87	117	447495	51.948	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1318662	51.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85151	51.106	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	607279	47.362	ug/l	99
94) Hexachlorobutadiene	15.01	225	416663	51.480	ug/l	99
95) Naphthalene	15.13	128	1160561	45.029	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	589615	47.722	ug/l	98

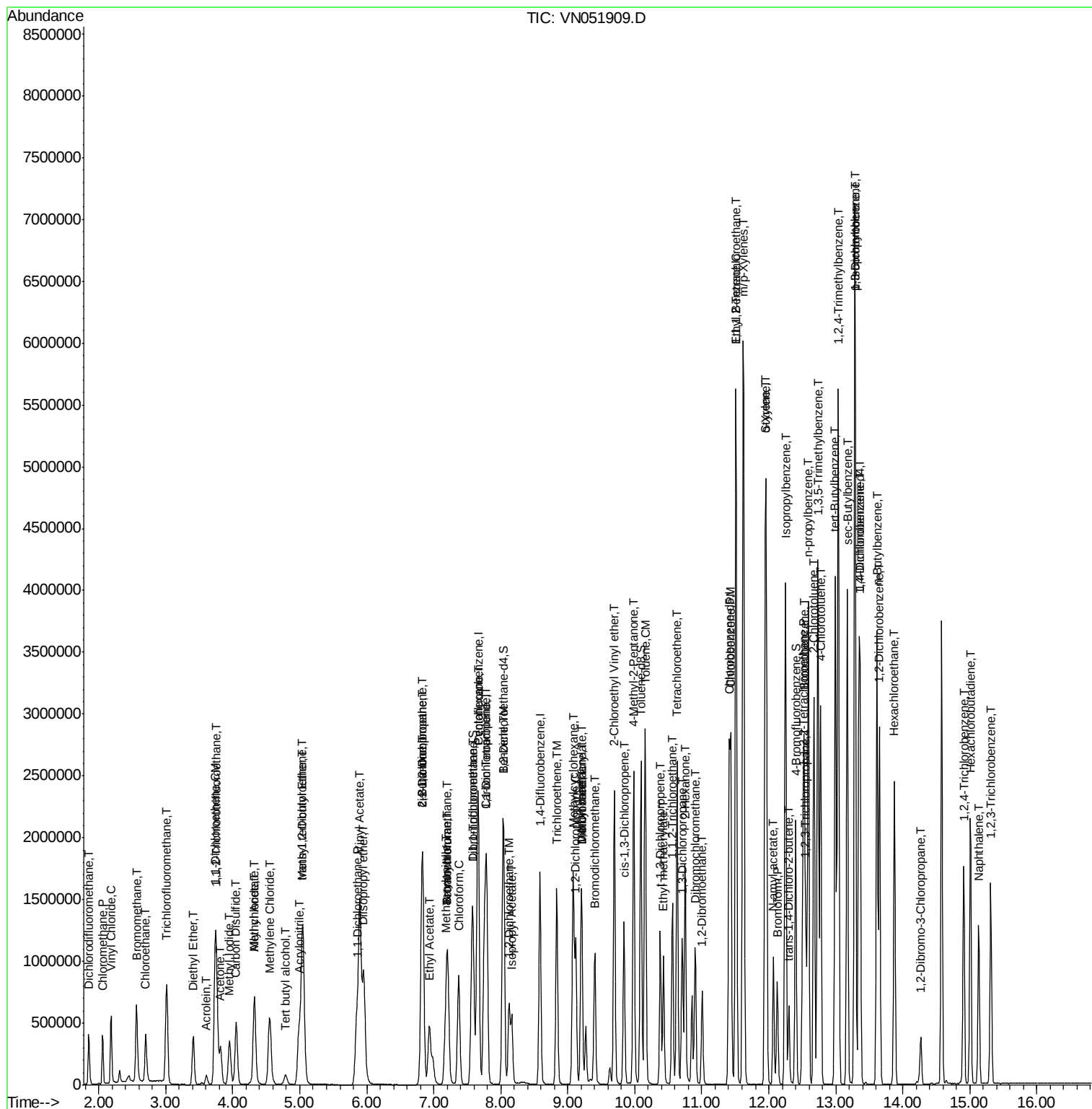
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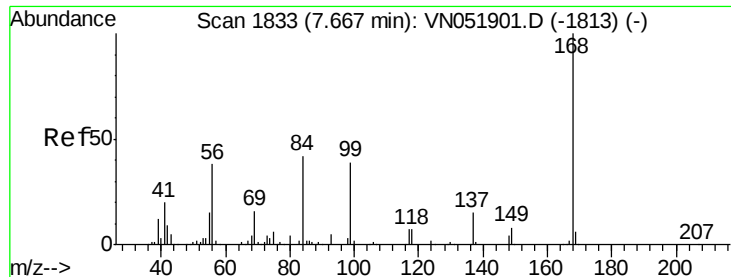
Data File : VN051909.D

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Acq On       : 18 Oct 2018   11:53
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

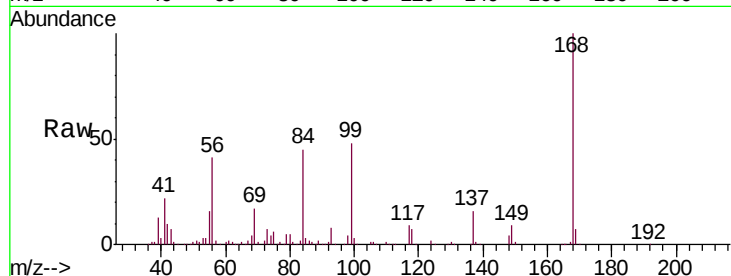
VSTDCCC050

Tgt Ion:168 Resp: 1169626

Ion Ratio Lower Upper

168 100

99 48.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

500000

400000

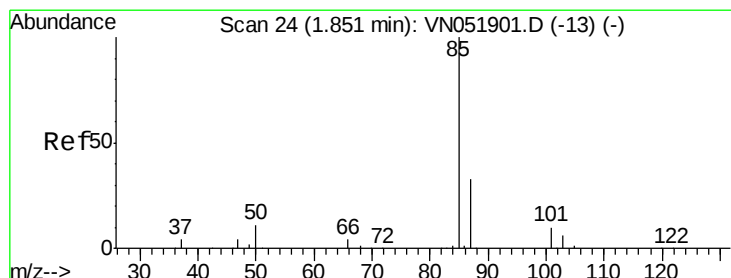
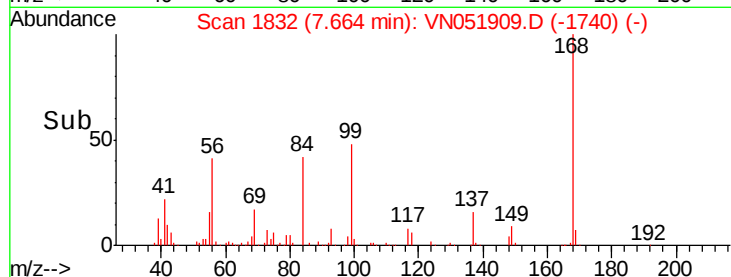
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.826 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051909.D

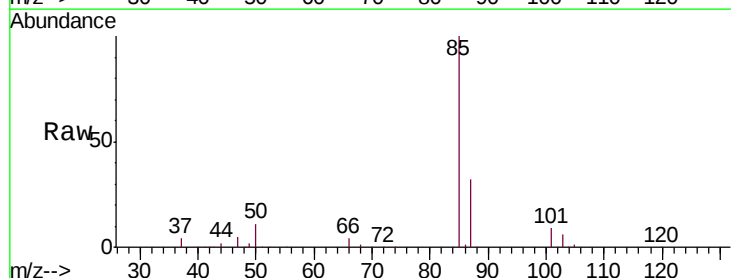
Acq: 18 Oct 2018 11:53

Tgt Ion: 85 Resp: 324314

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

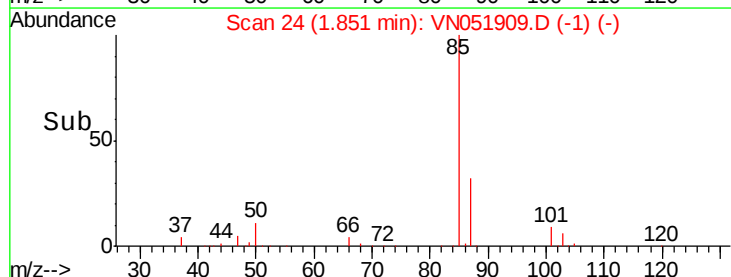
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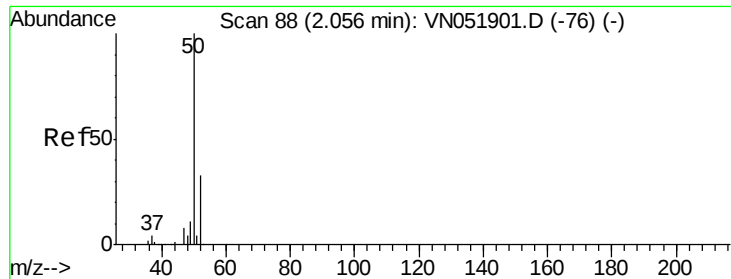
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.125 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

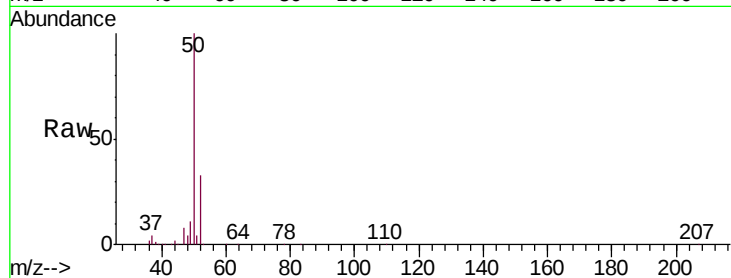
VSTDCCC050

Tgt Ion: 50 Resp: 318949

Ion Ratio Lower Upper

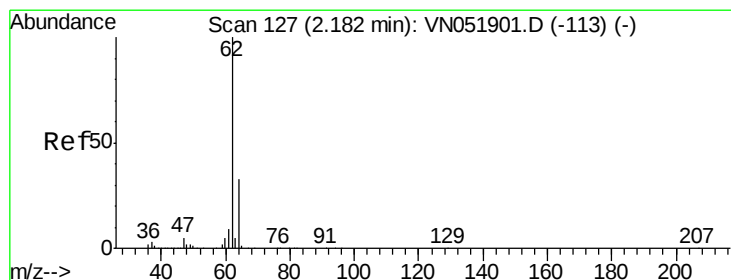
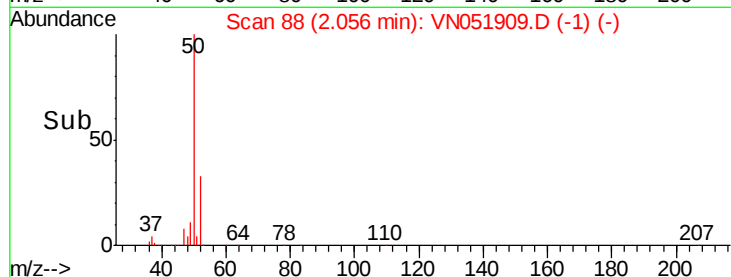
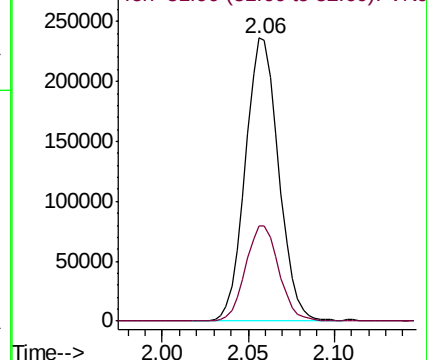
50 100

52 33.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.987 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051909.D

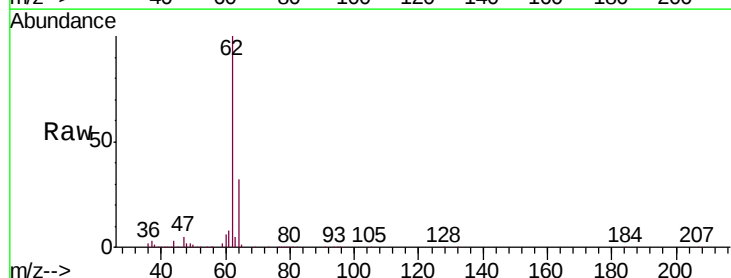
Acq: 18 Oct 2018 11:53

Tgt Ion: 62 Resp: 480284

Ion Ratio Lower Upper

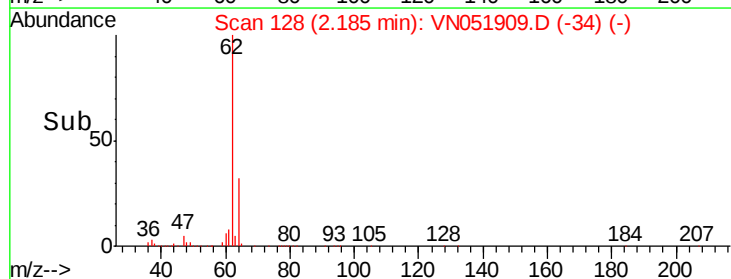
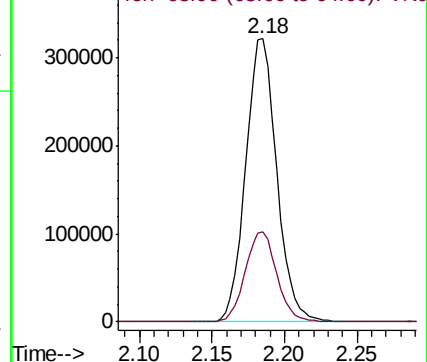
62 100

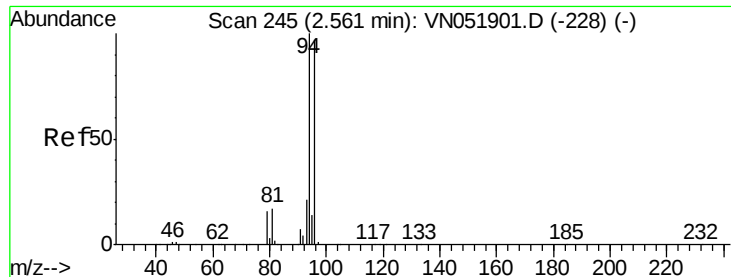
64 31.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 52.077 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

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ClientSampleId :

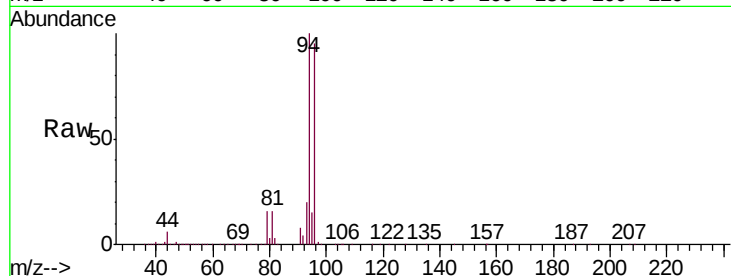
VSTDCCC050

Tgt Ion: 94 Resp: 447612

Ion Ratio Lower Upper

94 100

96 94.9 77.5 116.3



Abundance Ion 93.90 (93.60 to 94.60): VN051909.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051909.D (-152) (-)

2.56

200000

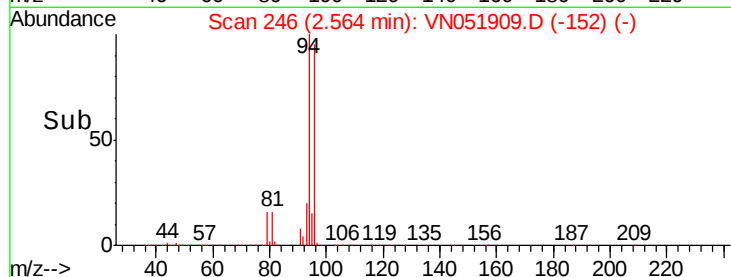
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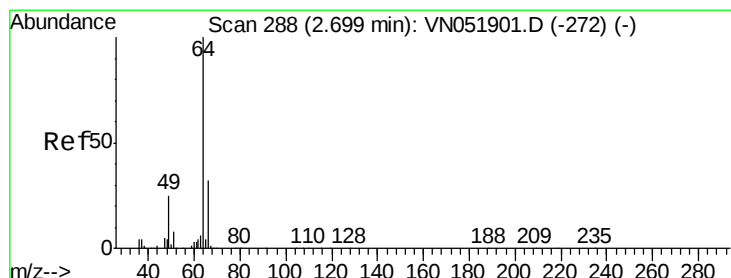
50000

0

Time-->



Time-->



#6

Chloroethane

Concen: 48.646 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051909.D

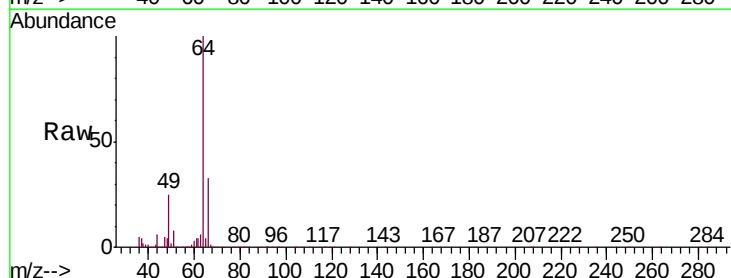
Acq: 18 Oct 2018 11:53

Tgt Ion: 64 Resp: 368712

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN051909.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051909.D (-195) (-)

2.70

200000

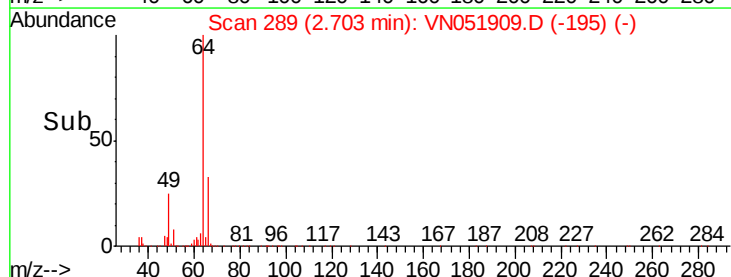
150000

100000

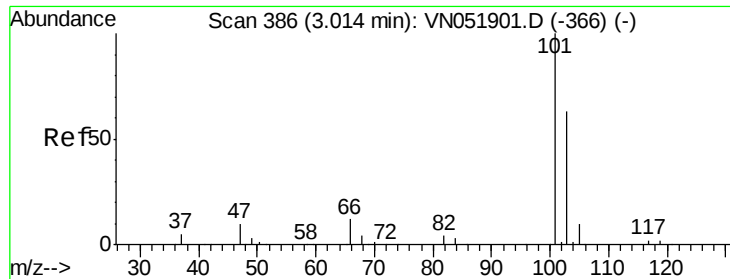
50000

0

Time-->



Time-->

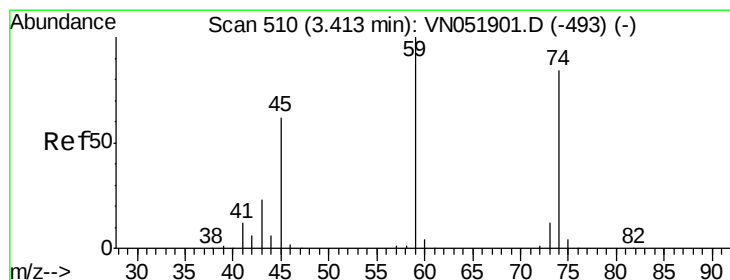
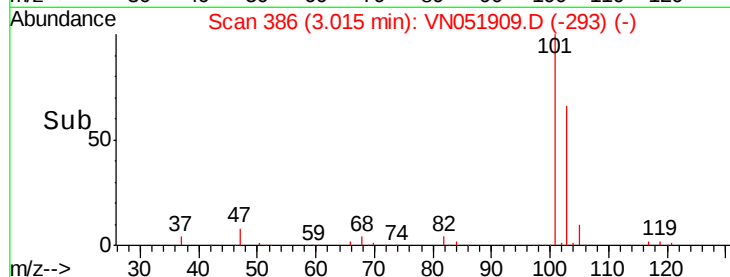
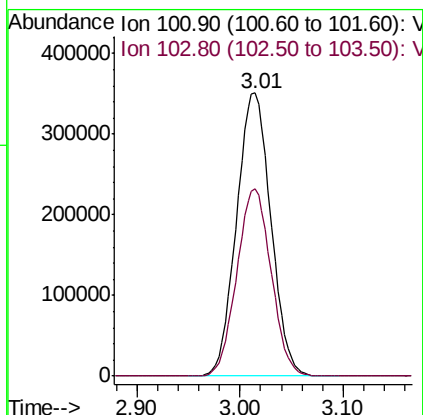
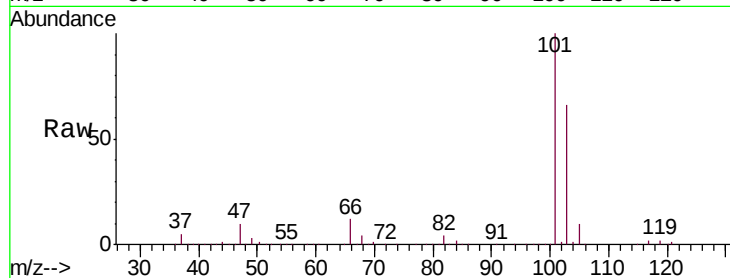


#7

Trichlorofluoromethane
 Concen: 50.574 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

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 VSTDCCC050

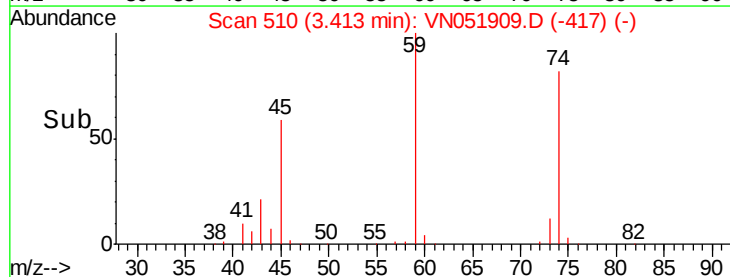
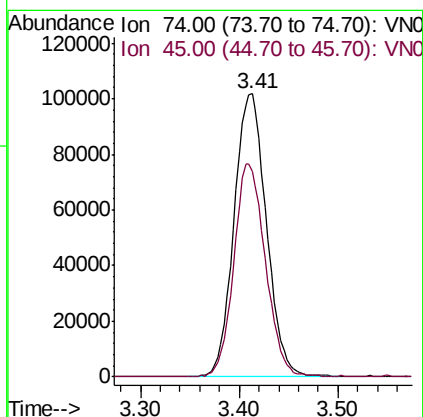
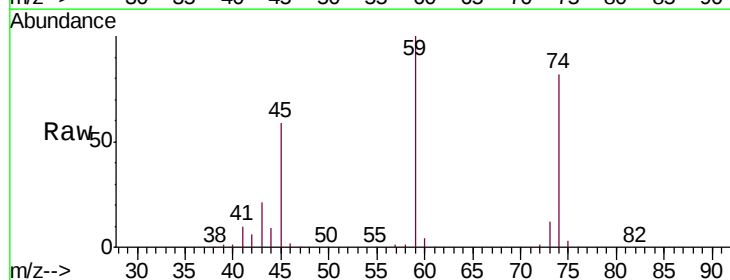
Tgt Ion: 101 Resp: 813945
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.8 76.2

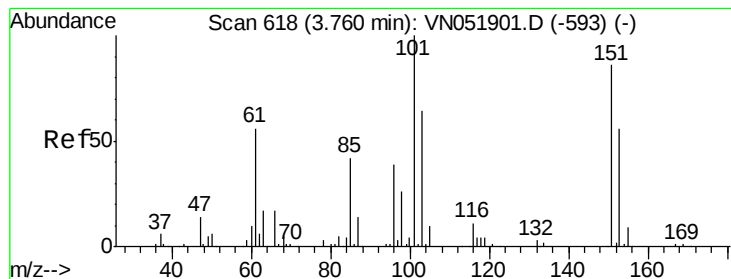


#8

Diethyl Ether
 Concen: 49.280 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 74 Resp: 232359
 Ion Ratio Lower Upper
 74 100
 45 73.5 36.8 110.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.590 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051909.D

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MSVOA_N

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VSTDCCC050

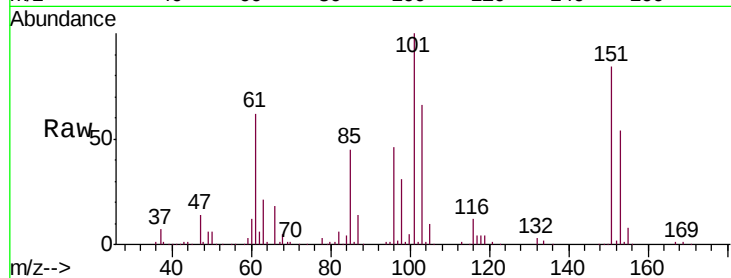
Tgt Ion:101 Resp: 476408

Ion Ratio Lower Upper

101 100

85 43.8 34.8 52.2

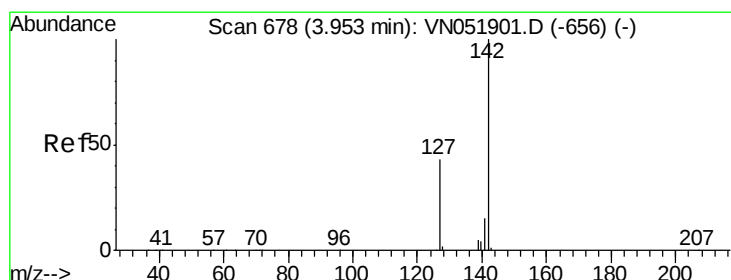
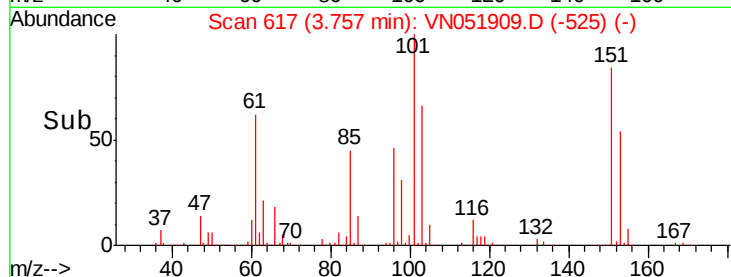
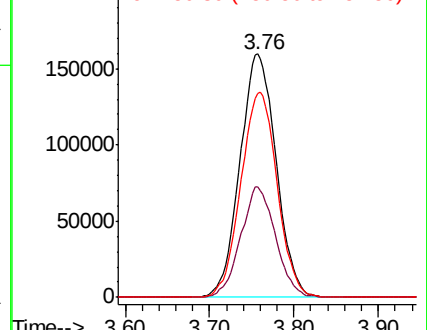
151 84.5 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.941 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

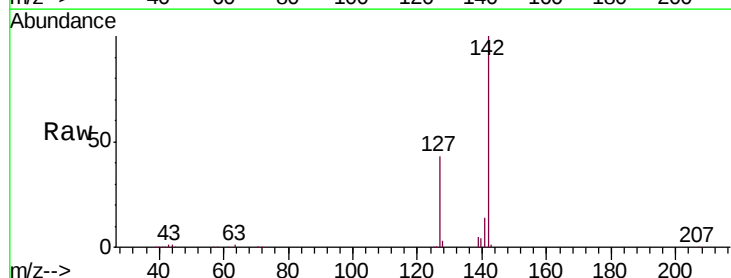
Tgt Ion:142 Resp: 594127

Ion Ratio Lower Upper

142 100

127 43.1 34.3 51.5

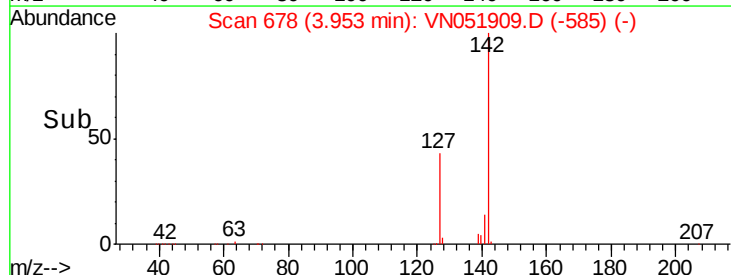
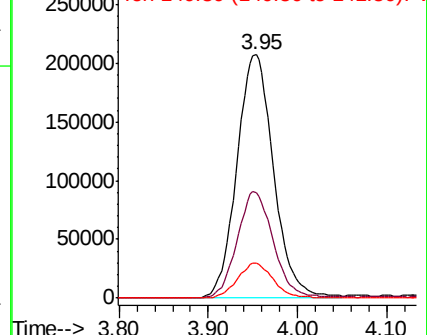
141 14.0 11.1 16.7

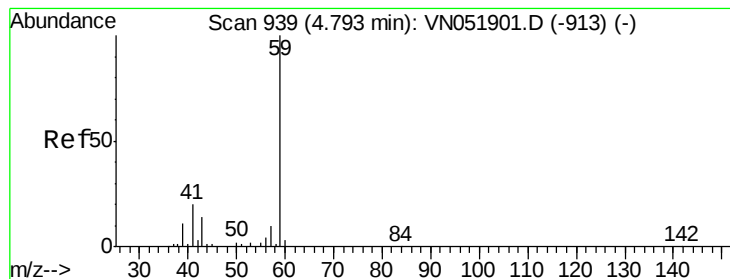


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



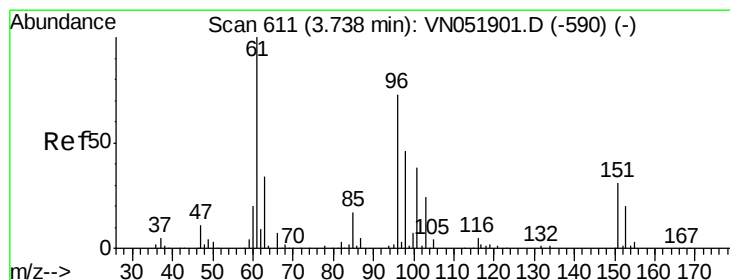
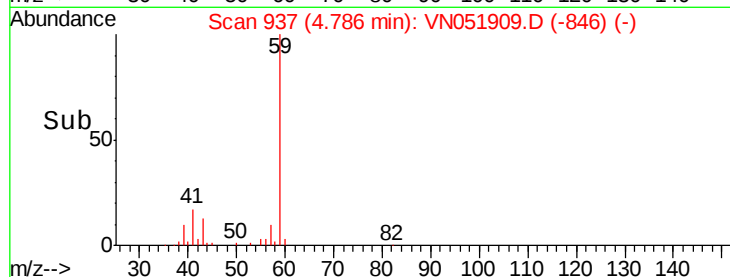
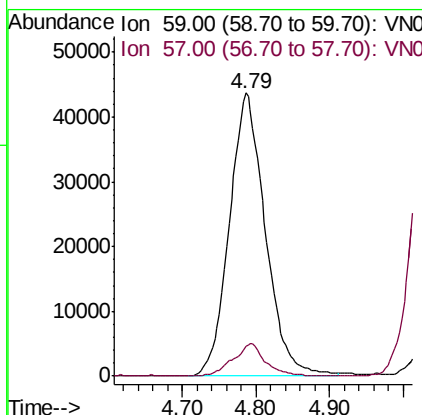
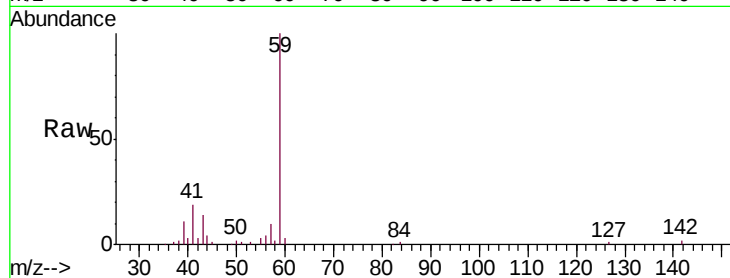


#11

Tert butyl alcohol
 Concen: 234.265 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

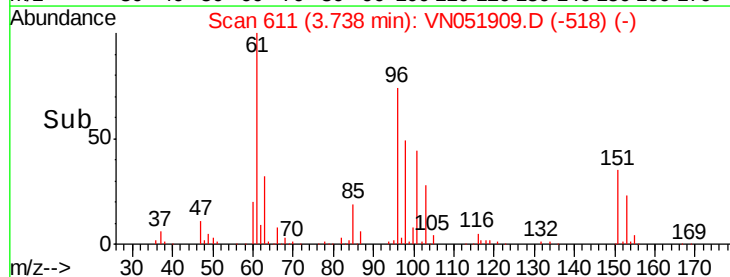
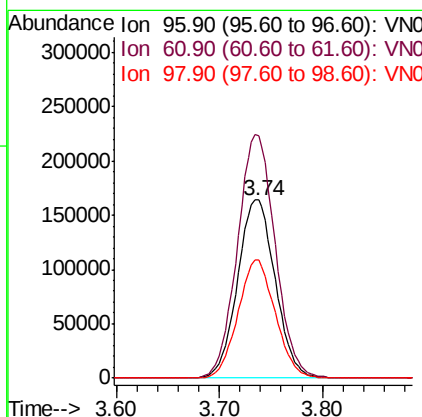
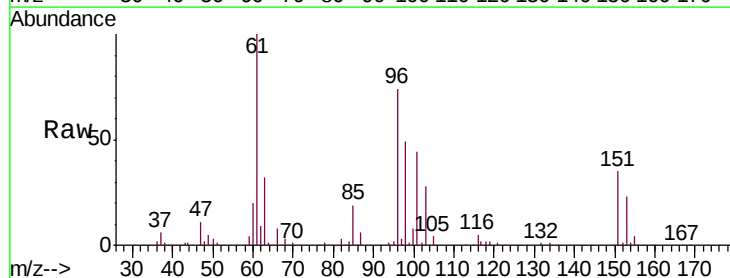
Tgt Ion: 59 Resp: 148430
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.3 12.5

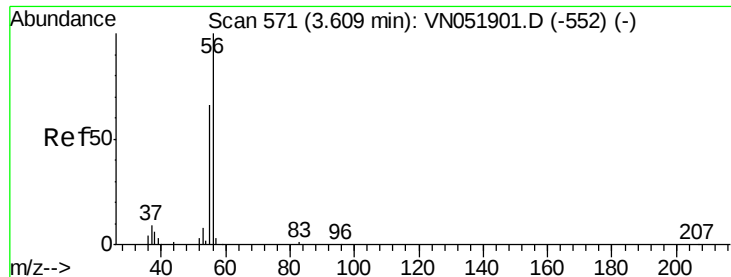


#12

1,1-Dichloroethene
 Concen: 49.487 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 96 Resp: 416561
 Ion Ratio Lower Upper
 96 100
 61 136.0 109.8 164.6
 98 66.6 50.9 76.3





#13

Acrolein

Concen: 187.748 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

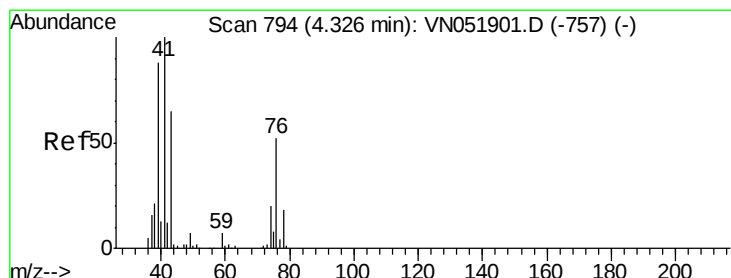
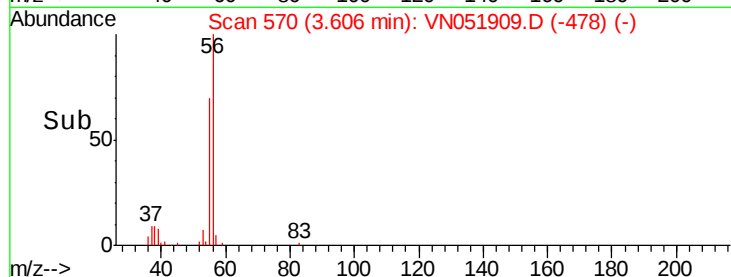
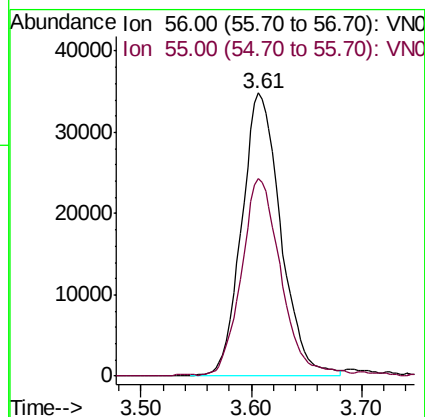
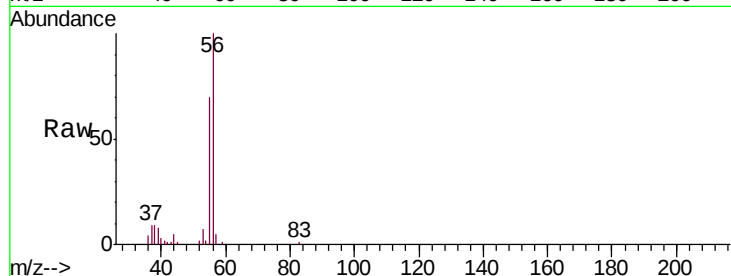
VSTDCCC050

Tgt Ion: 56 Resp: 85500

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



#14

Allyl chloride

Concen: 51.956 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

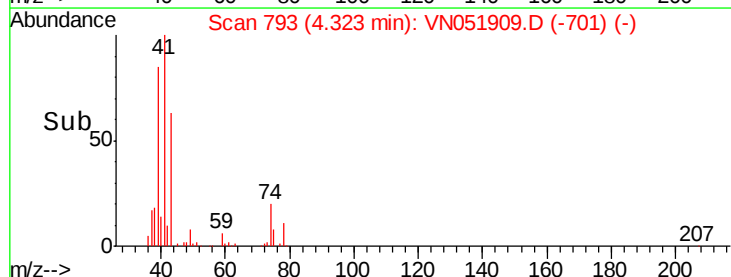
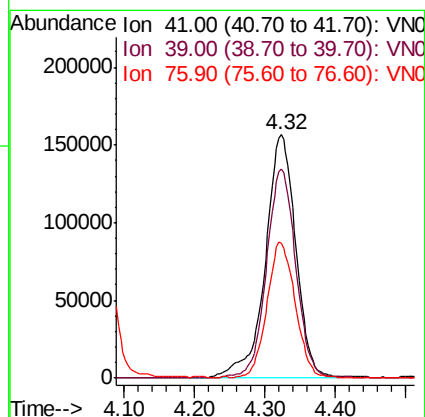
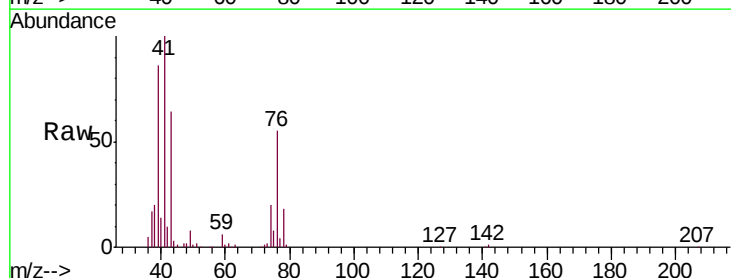
Tgt Ion: 41 Resp: 473666

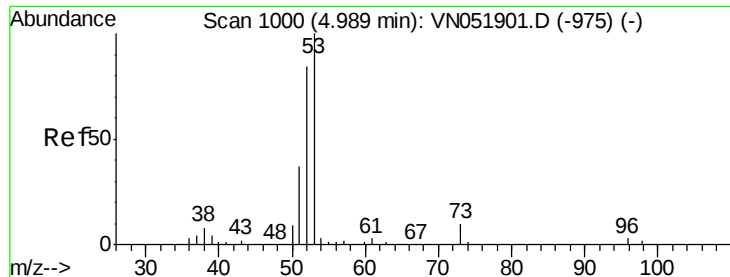
Ion Ratio Lower Upper

41 100

39 82.0 65.4 98.0

76 51.1 39.6 59.4

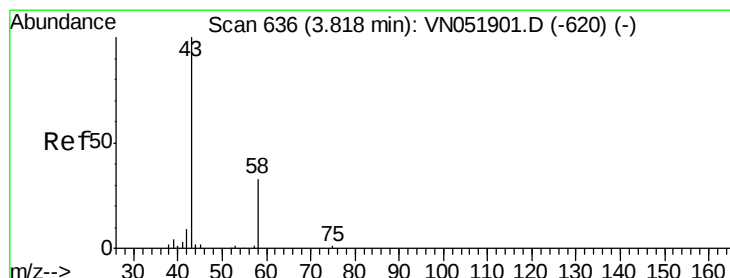
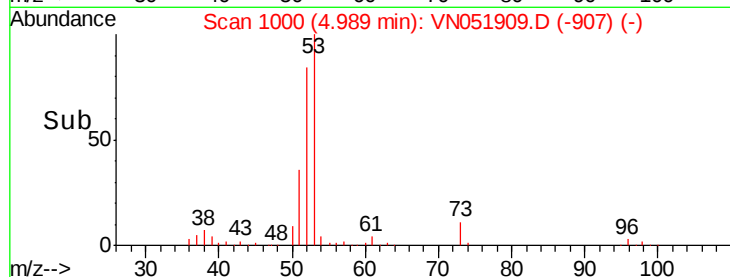
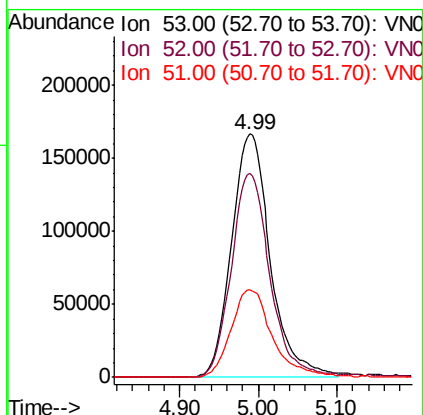
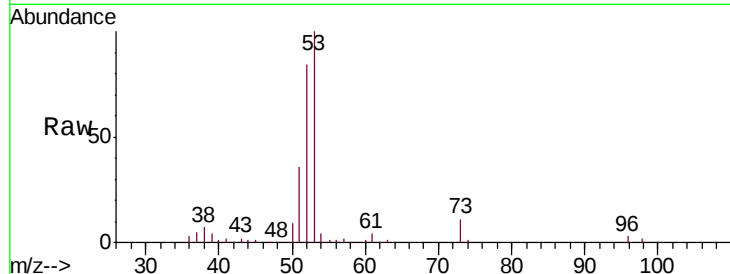




#15
 Acrylonitrile
 Concen: 248.918 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

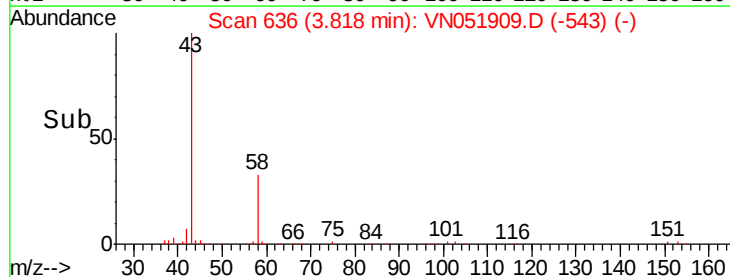
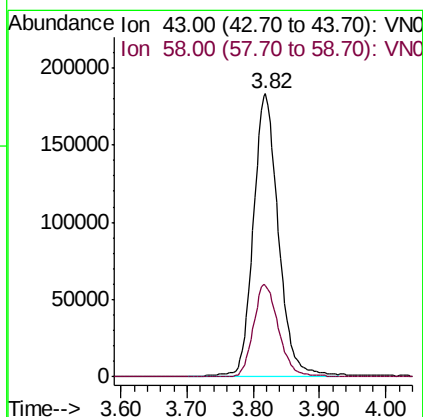
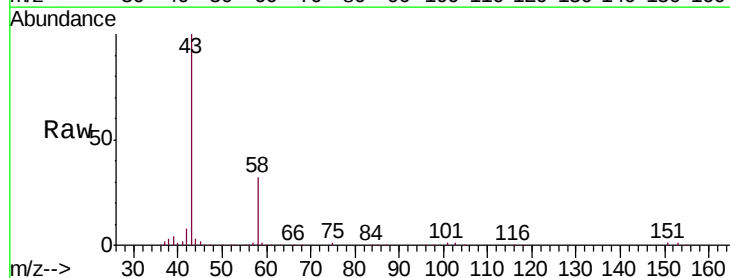
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

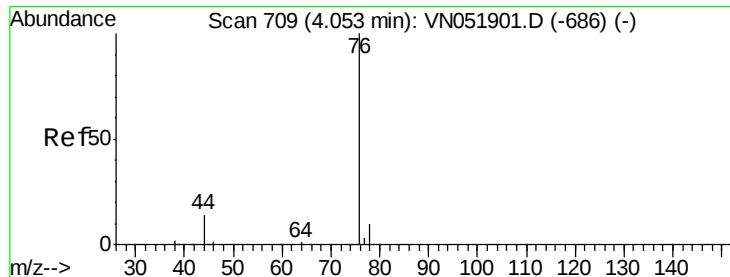
Tgt Ion: 53 Resp: 575860
 Ion Ratio Lower Upper
 53 100
 52 83.5 65.8 98.8
 51 38.2 29.4 44.2



#16
 Acetone
 Concen: 251.010 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 43 Resp: 481946
 Ion Ratio Lower Upper
 43 100
 58 32.4 25.9 38.9

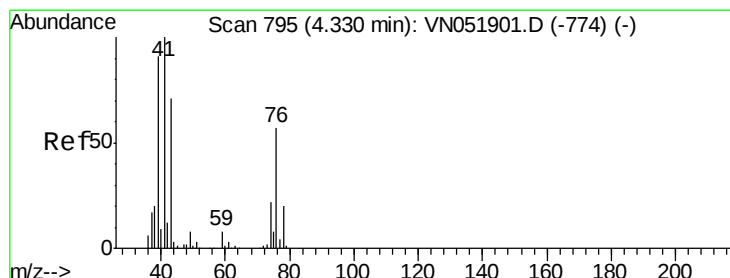
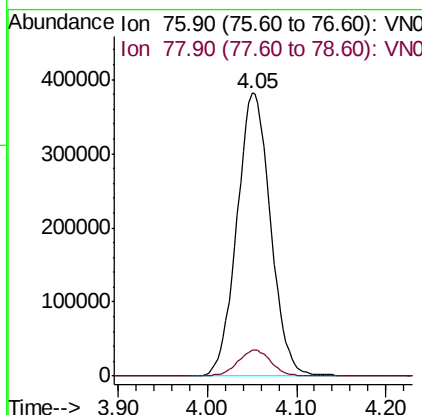
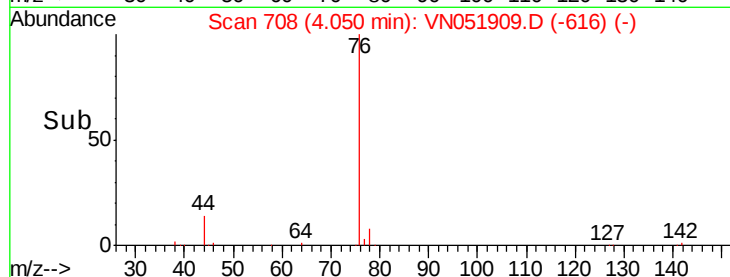
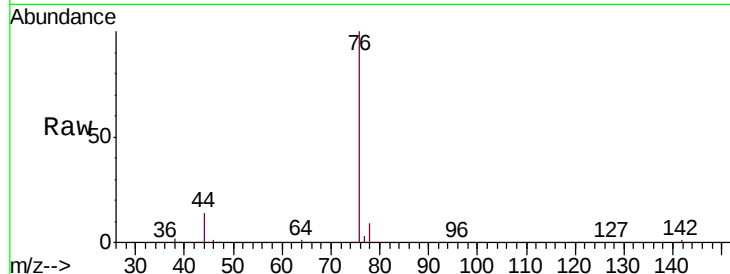




#17
Carbon Disulfide
Concen: 47.666 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

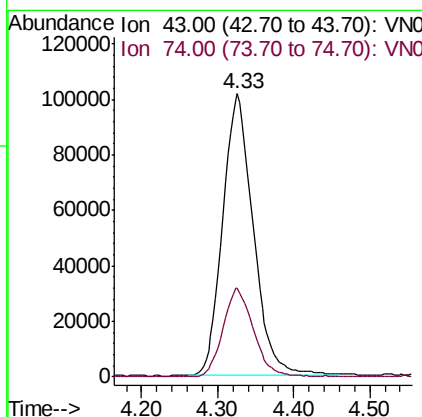
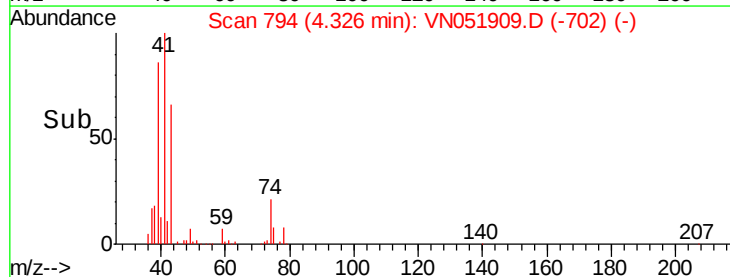
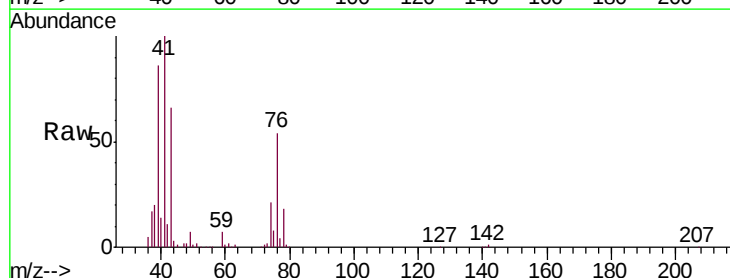
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

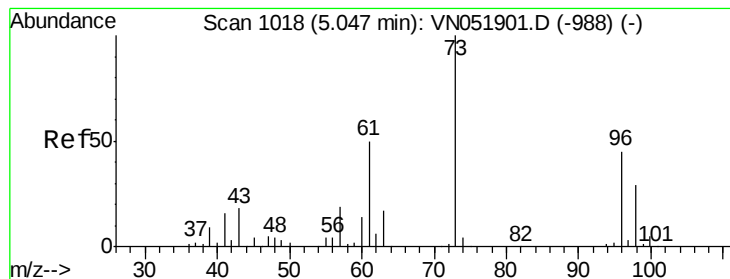
Tgt Ion: 76 Resp: 1000361
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#18
Methyl Acetate
Concen: 49.992 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 43 Resp: 285231
Ion Ratio Lower Upper
43 100
74 31.4 24.9 37.3





#19

Methyl tert-butyl Ether

Concen: 49.787 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

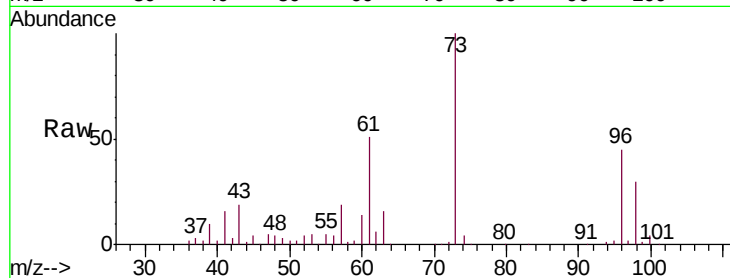
VSTDCCC050

Tgt Ion: 73 Resp: 1207771

Ion Ratio Lower Upper

73 100

57 19.2 15.3 22.9



Abundance Ion 73.00 (72.70 to 73.70): VN051901.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN051901.D (-988) (-)

5.05

300000

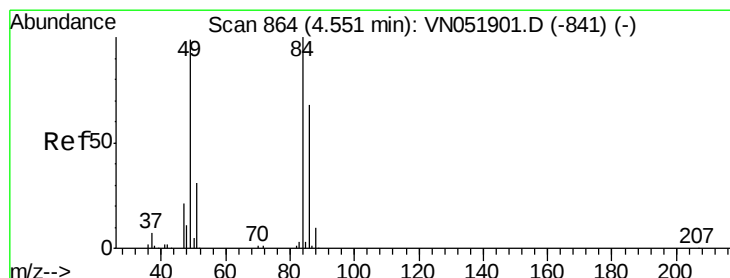
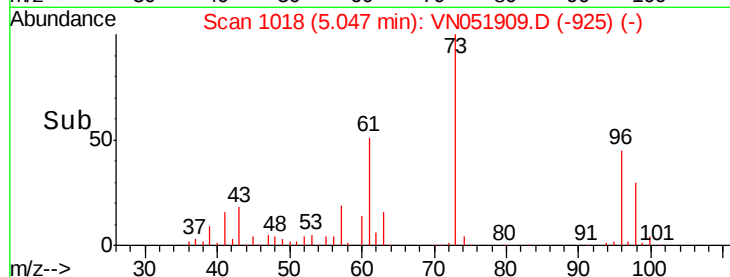
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 48.141 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion: 84 Resp: 469875

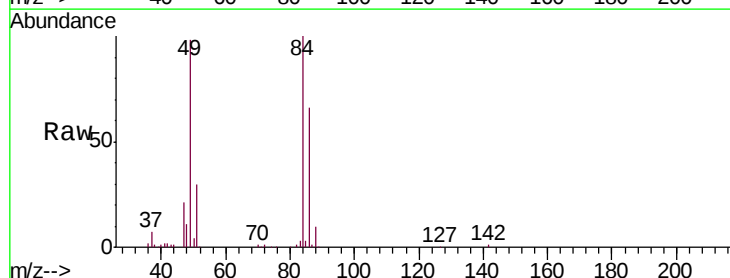
Ion Ratio Lower Upper

84 100

49 98.0 79.0 118.4

51 29.8 24.9 37.3

86 65.7 54.6 82.0



Abundance Ion 83.90 (83.60 to 84.60): VN051901.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN051901.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN051901.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN051901.D (-841) (-)

4.55

200000

150000

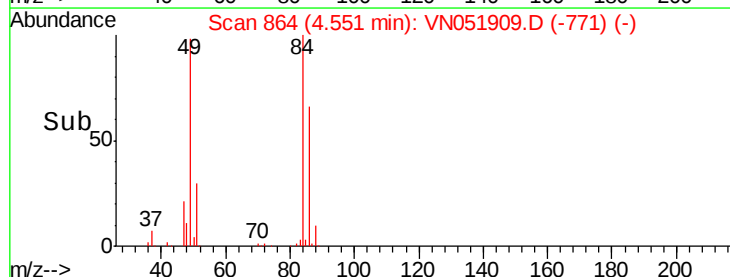
100000

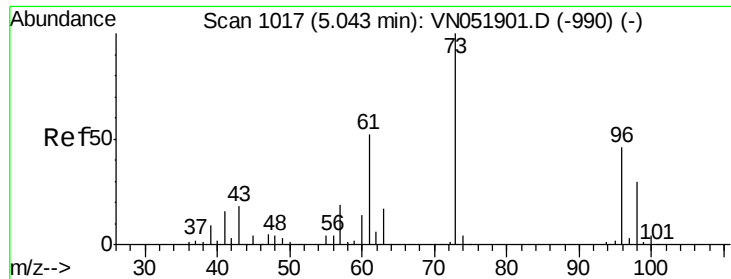
50000

0

Time-->

4.40 4.50 4.60 4.70

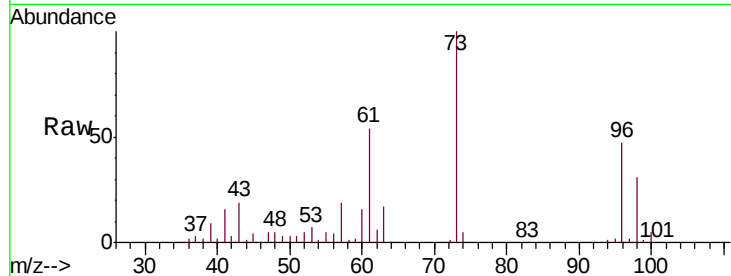




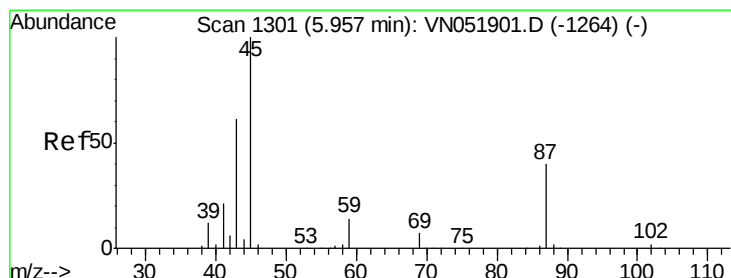
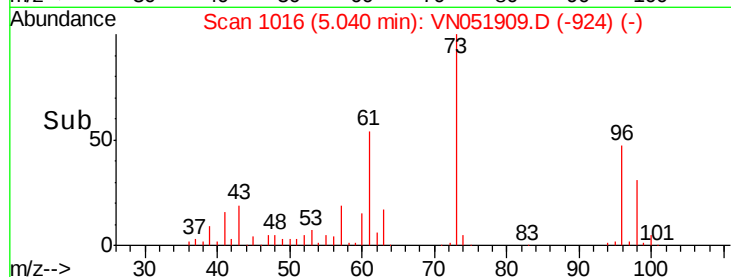
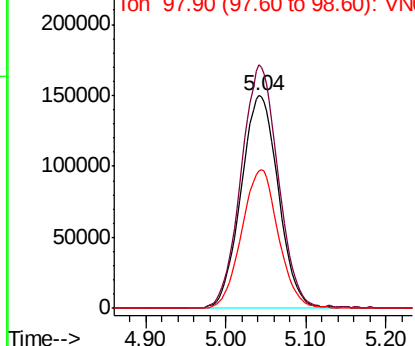
#21
trans-1,2-Dichloroethene
Concen: 49.227 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 476212
Ion Ratio Lower Upper
96 100
61 114.5 89.8 134.6
98 64.8 51.7 77.5

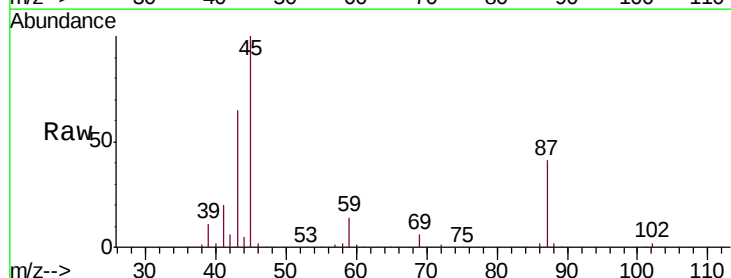


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

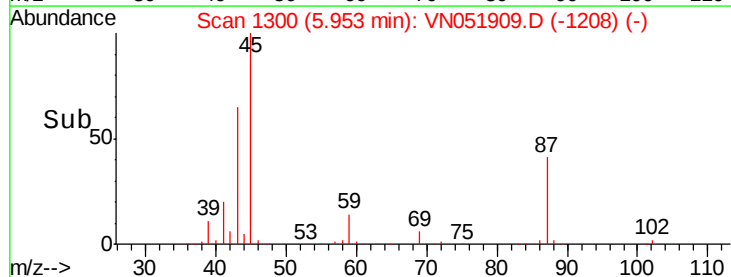
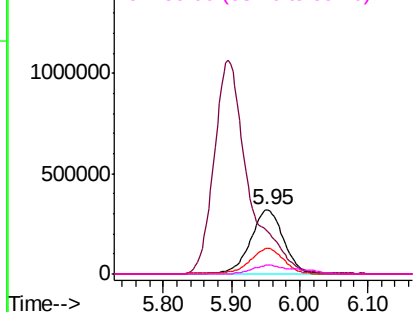


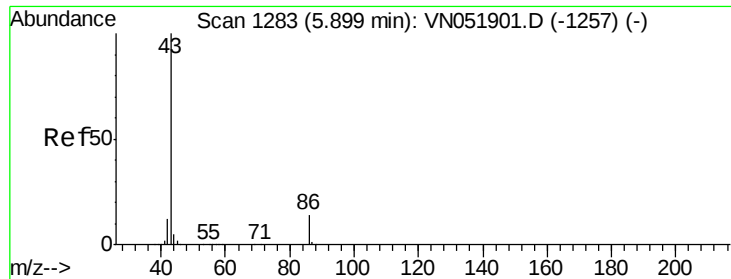
#22
Diisopropyl ether
Concen: 50.558 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 45 Resp: 1074221
Ion Ratio Lower Upper
45 100
43 64.1 48.9 73.3
87 40.7 32.6 48.8
59 13.5 11.0 16.6



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





#23

Vinyl Acetate

Concen: 254.619 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

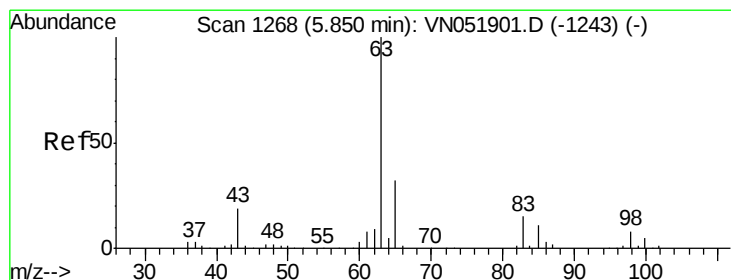
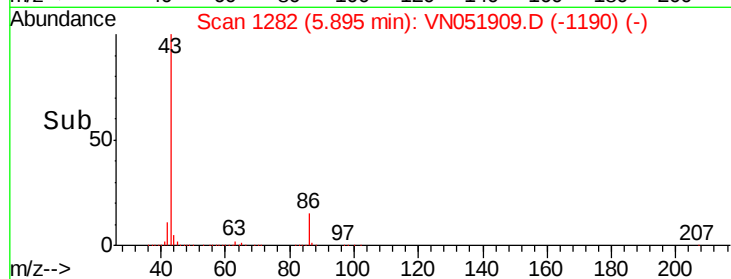
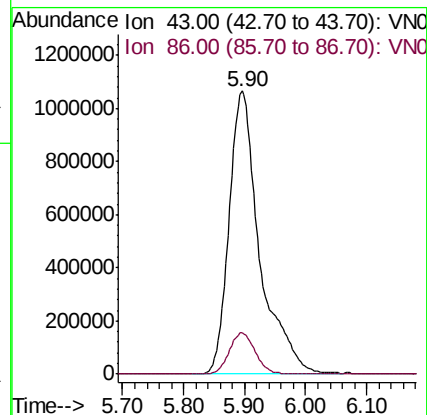
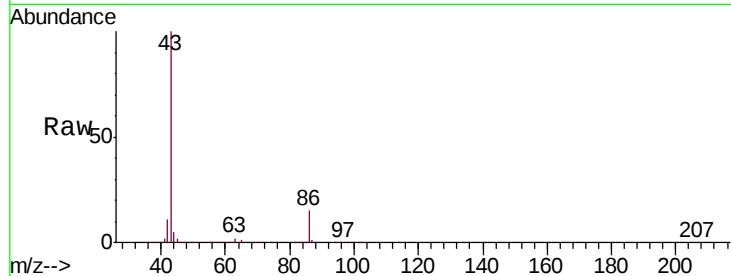
VSTDCCC050

Tgt Ion: 43 Resp: 3724596

Ion Ratio Lower Upper

43 100

86 14.6 11.5 17.3



#24

1,1-Dichloroethane

Concen: 49.452 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

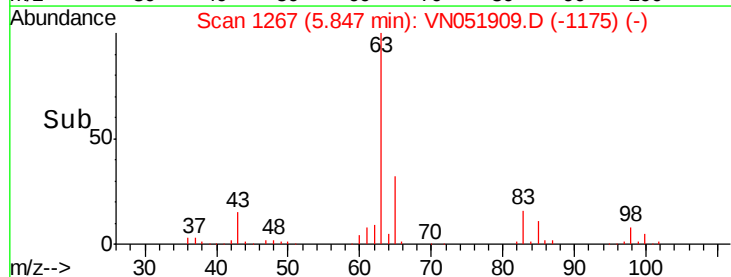
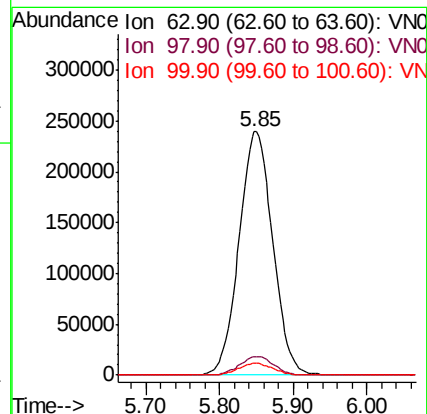
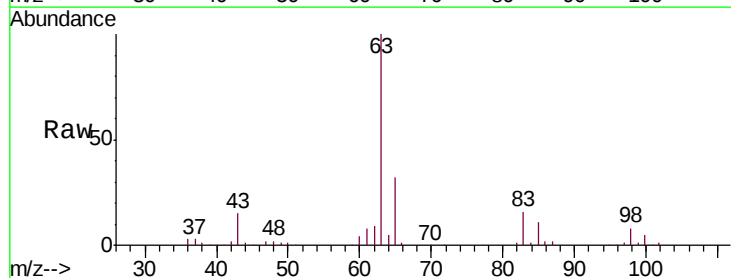
Tgt Ion: 63 Resp: 760916

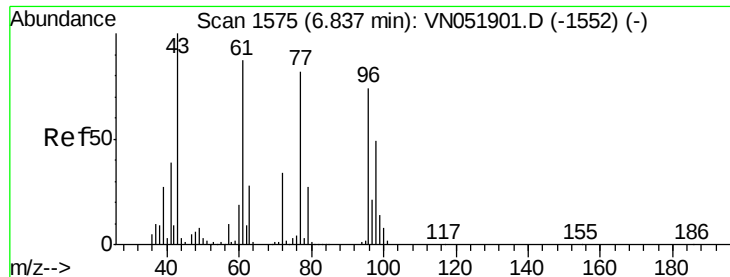
Ion Ratio Lower Upper

63 100

98 7.7 4.0 12.0

100 5.1 2.4 7.1

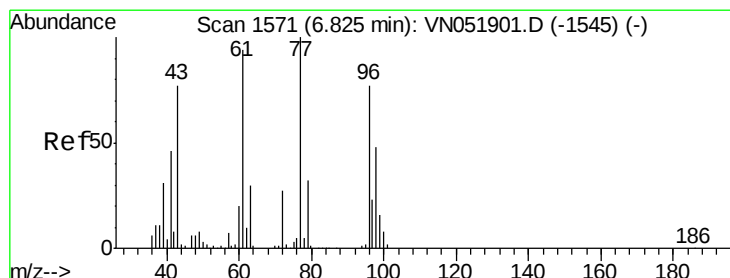
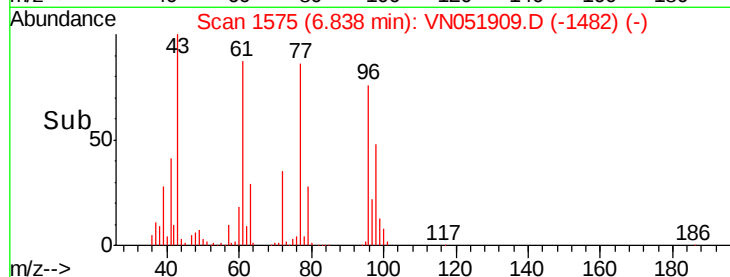
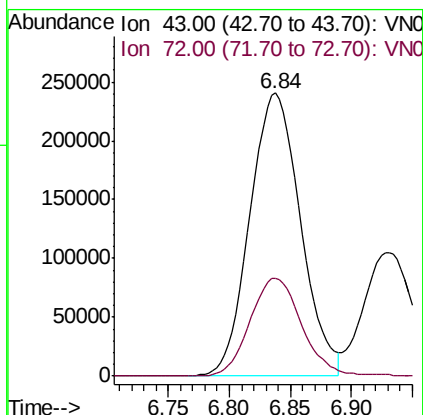
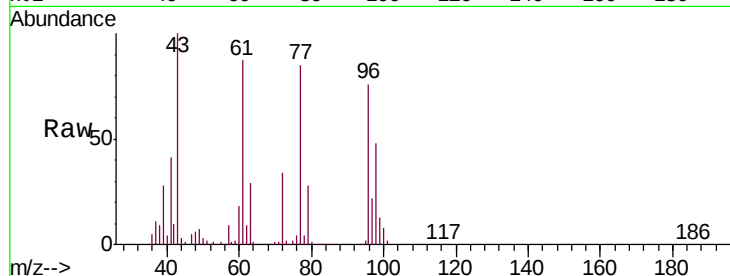




#25
2-Butanone
Concen: 252.006 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

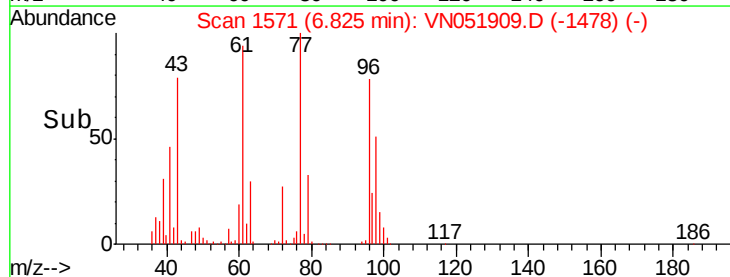
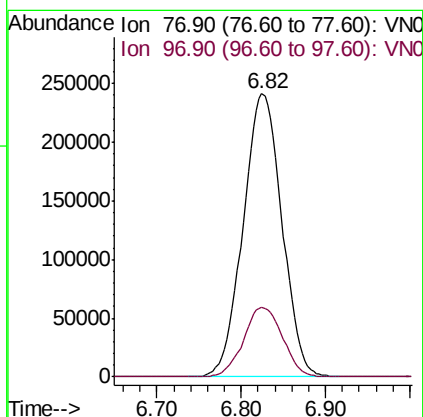
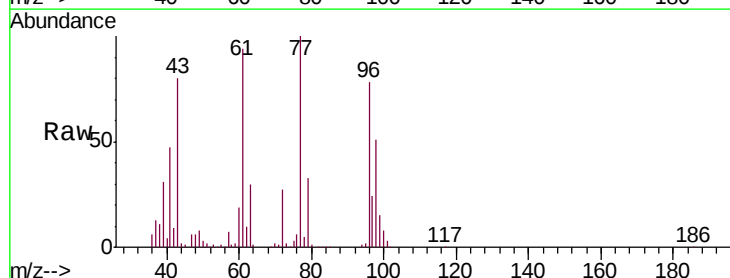
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

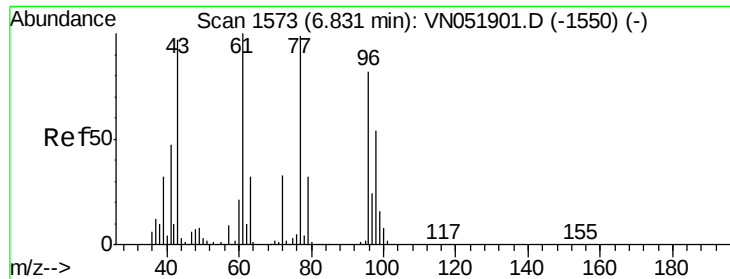
Tgt Ion: 43 Resp: 691517
Ion Ratio Lower Upper
43 100
72 34.5 27.0 40.6



#26
2,2-Dichloropropane
Concen: 52.946 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 77 Resp: 770488
Ion Ratio Lower Upper
77 100
97 24.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 50.664 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

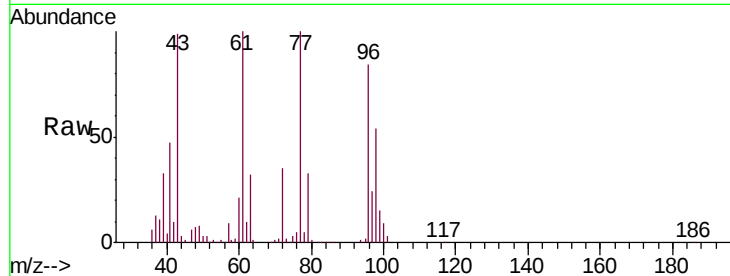
Tgt Ion: 96 Resp: 569580

Ion Ratio Lower Upper

96 100

61 120.6 0.0 240.2

98 64.1 0.0 129.8

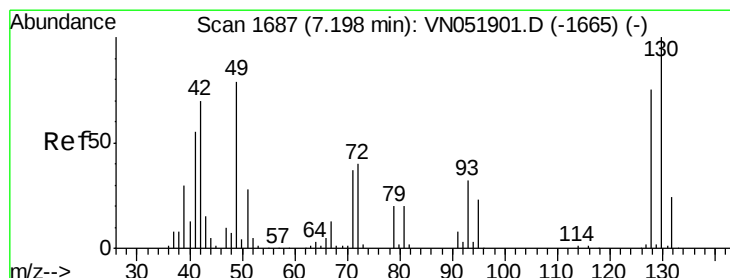
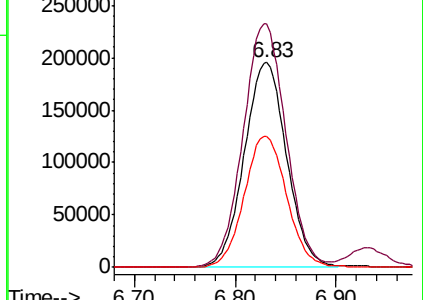
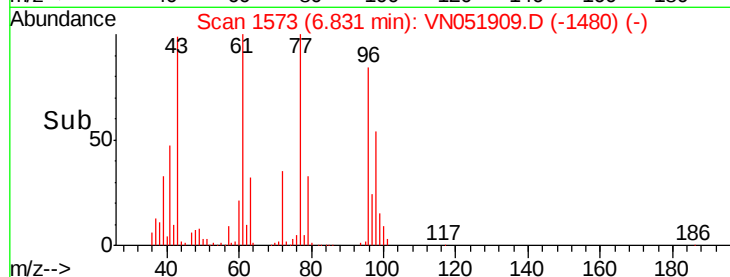


Abundance Ion 95.90 (95.60 to 96.60): VN051909.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051909.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051909.D (-1550) (-)

Time-->



#28

Bromochloromethane

Concen: 48.124 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

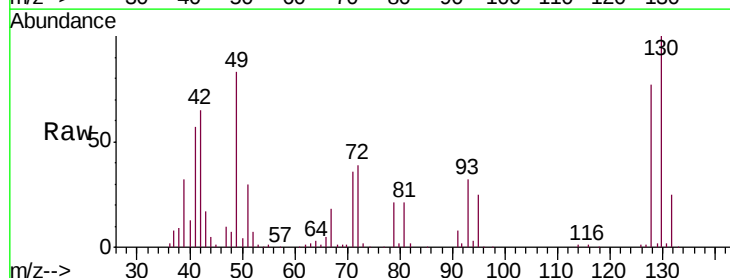
Tgt Ion: 49 Resp: 300693

Ion Ratio Lower Upper

49 100

129 2.9 0.0 6.0

130 120.4 96.7 145.1

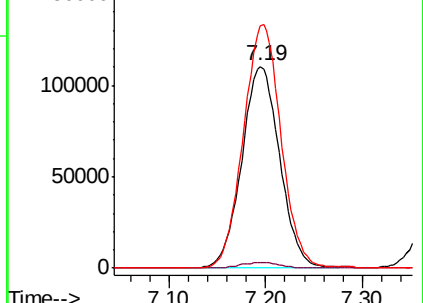
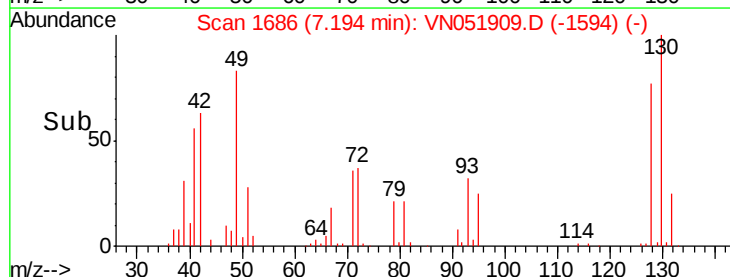


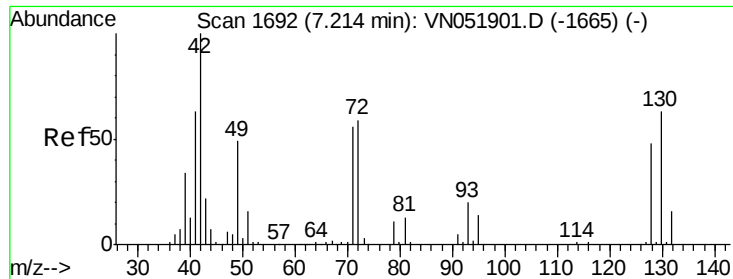
Abundance Ion 48.90 (48.60 to 49.60): VN051909.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051909.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051909.D (-1665) (-)

Time-->

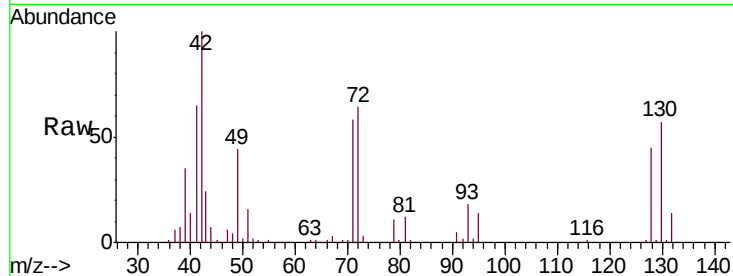




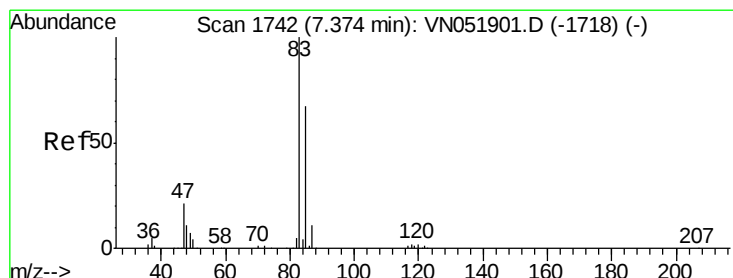
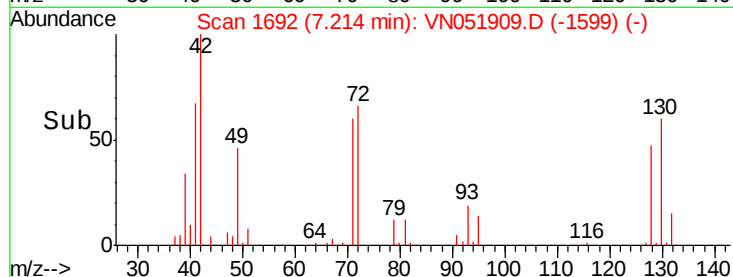
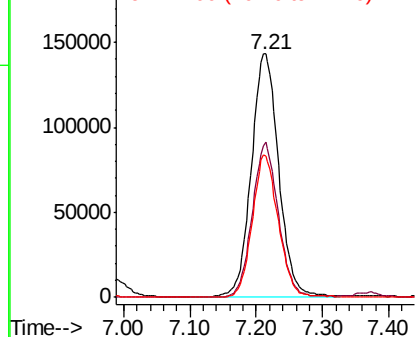
#29
Tetrahydrofuran
Concen: 243.814 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 408640
Ion Ratio Lower Upper
42 100
72 61.0 47.7 71.5
71 55.8 45.4 68.0

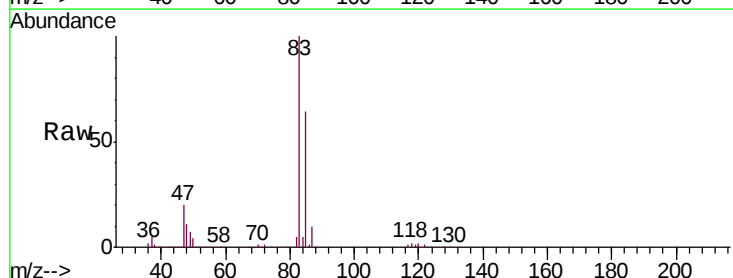


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

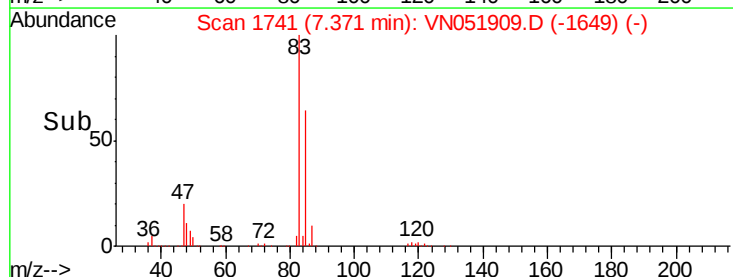
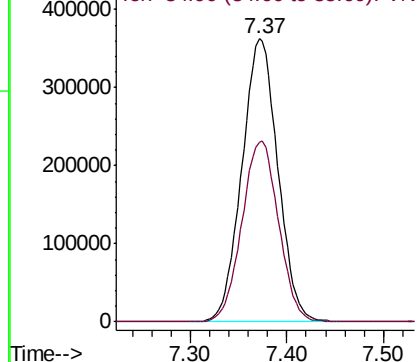


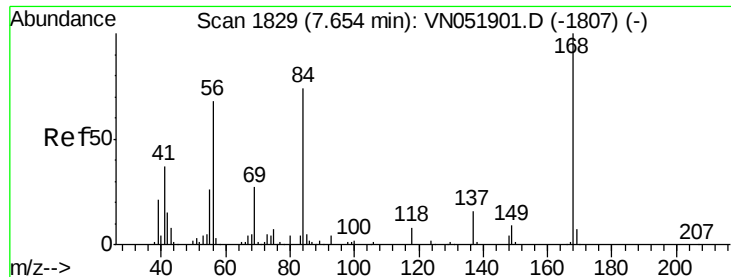
#30
Chloroform
Concen: 50.903 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 83 Resp: 937008
Ion Ratio Lower Upper
83 100
85 63.6 53.4 80.2



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





#31

Cyclohexane

Concen: 51.323 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

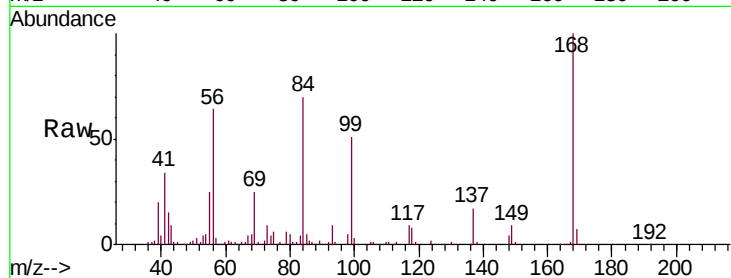
Tgt Ion: 56 Resp: 636833

Ion Ratio Lower Upper

56 100

69 39.0 31.2 46.8

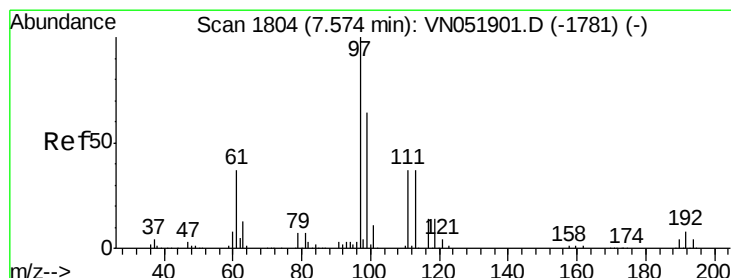
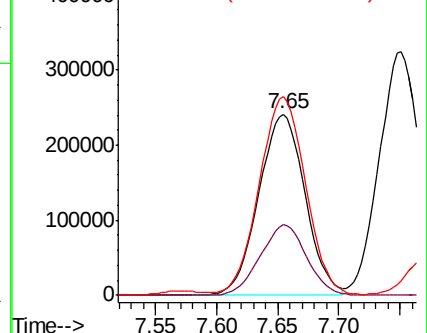
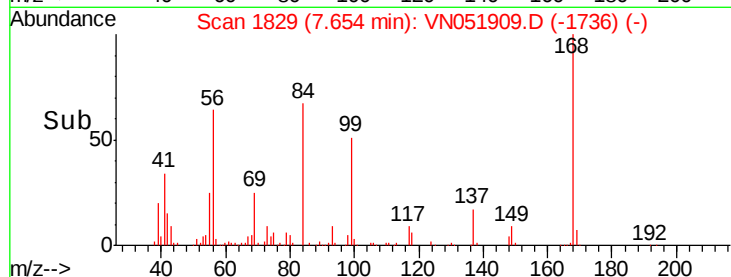
84 107.4 86.6 130.0



Abundance Ion 56.00 (55.70 to 56.70): VN051909.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051909.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051909.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 51.395 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

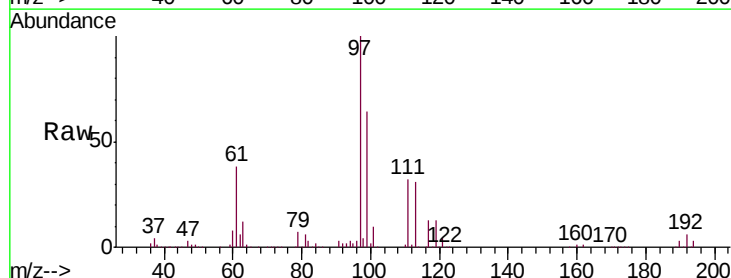
Tgt Ion: 97 Resp: 882405

Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

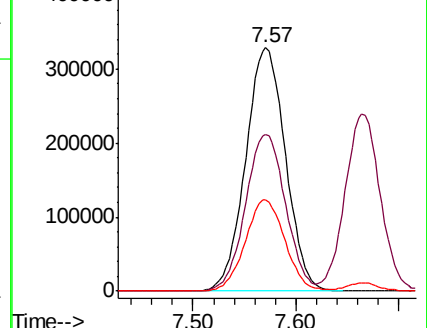
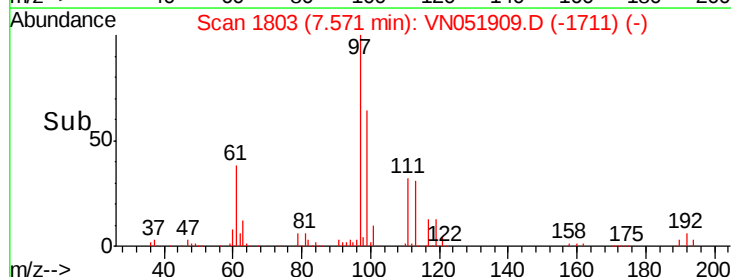
61 37.4 29.8 44.6

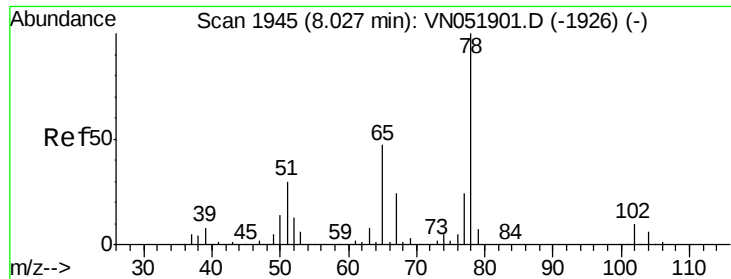


Abundance Ion 96.90 (96.60 to 97.60): VN051909.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051909.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051909.D (-1711) (-)

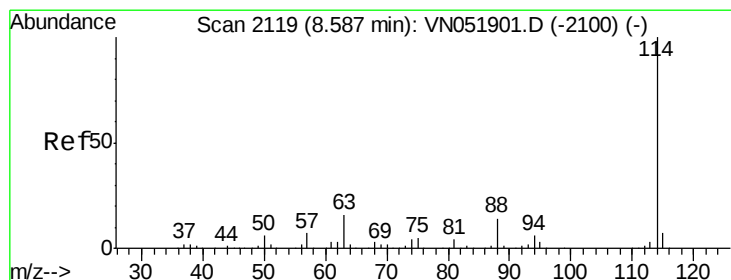
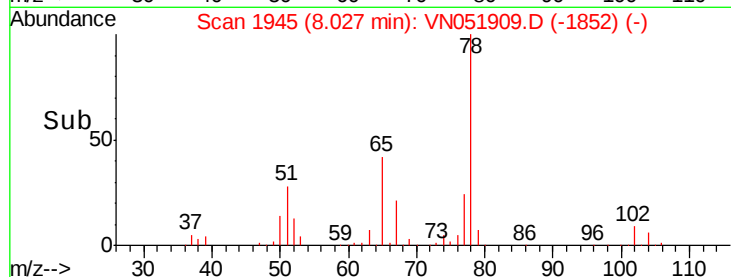
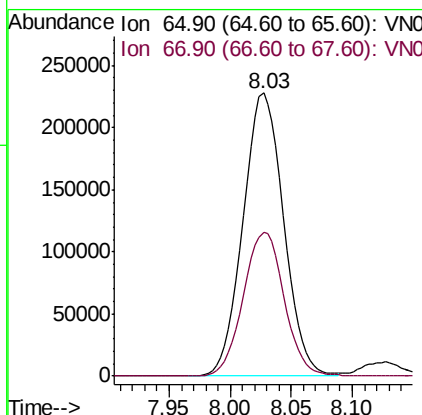
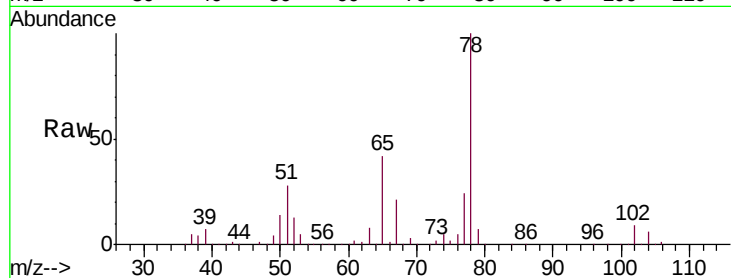




#33
 1,2-Dichloroethane-d4
 Concen: 51.395 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

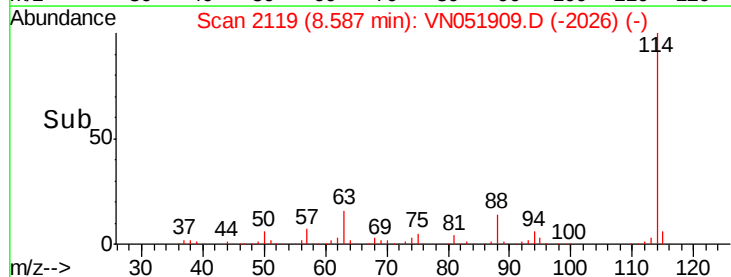
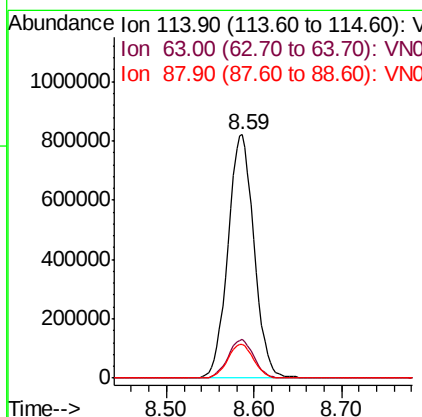
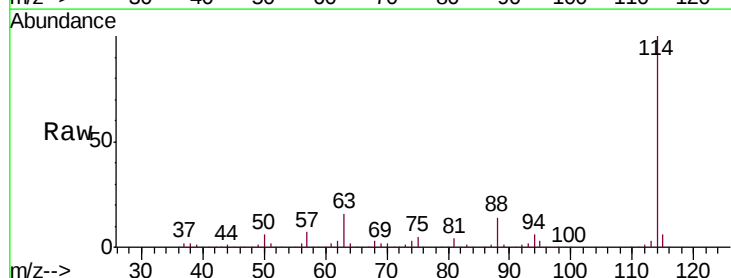
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

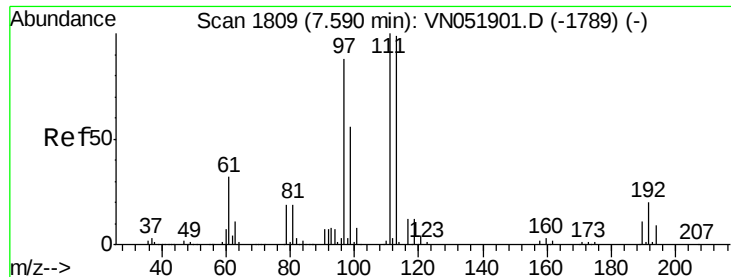
Tgt Ion: 65 Resp: 525687
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 114 Resp: 1700968
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.8
 88 14.0 0.0 28.0

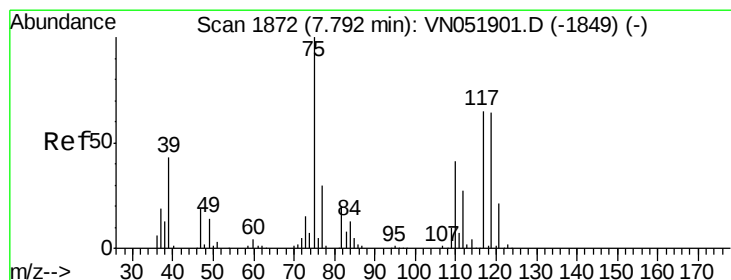
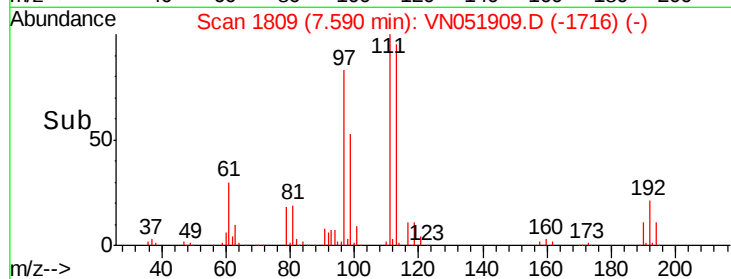
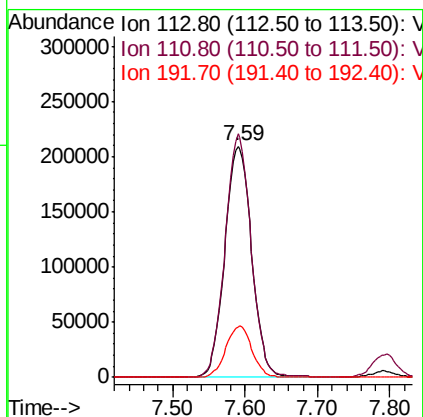
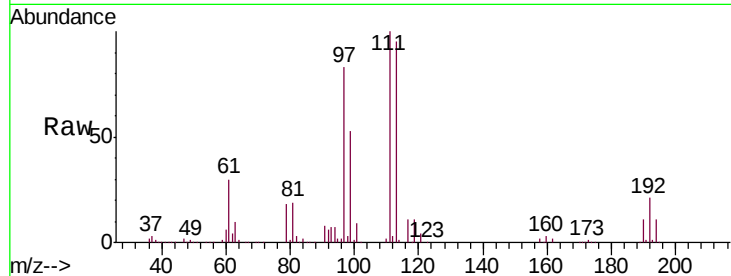




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

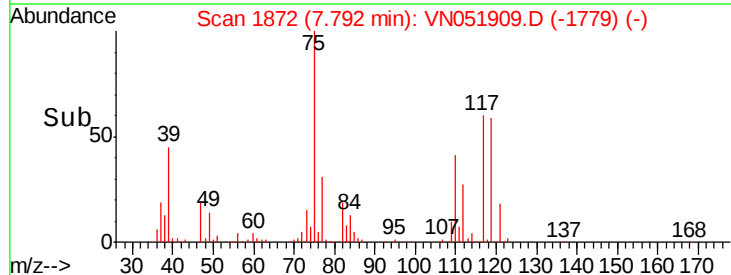
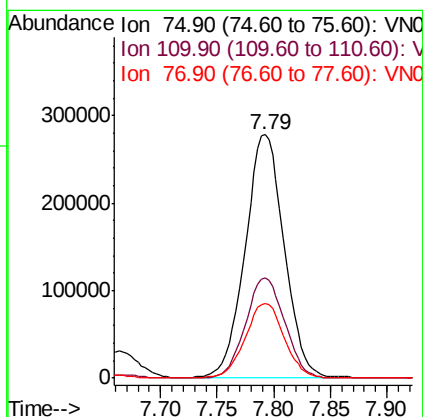
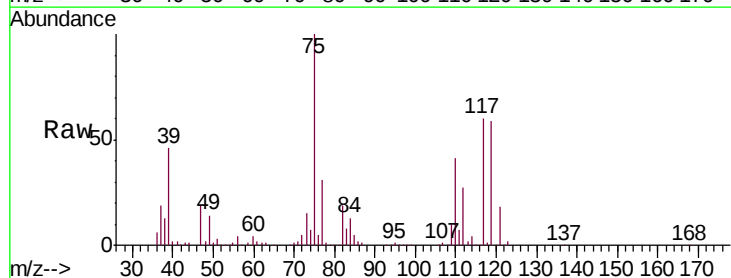
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

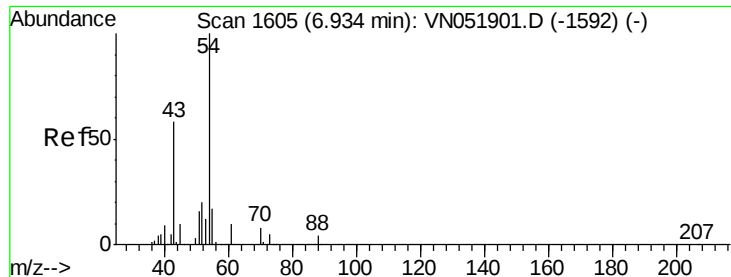
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	123.8
192	21.5	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 50.164 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.7	21.0	63.0
77	31.4	24.9	37.3

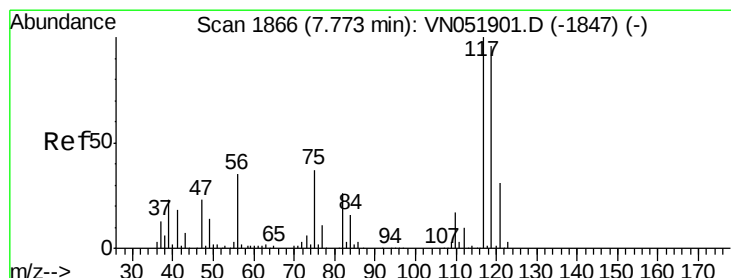
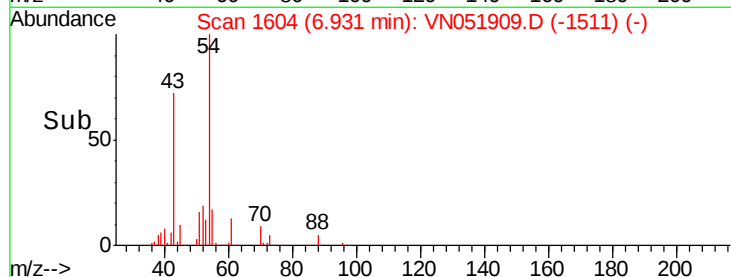
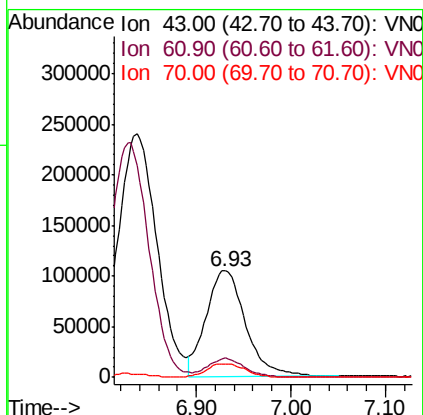
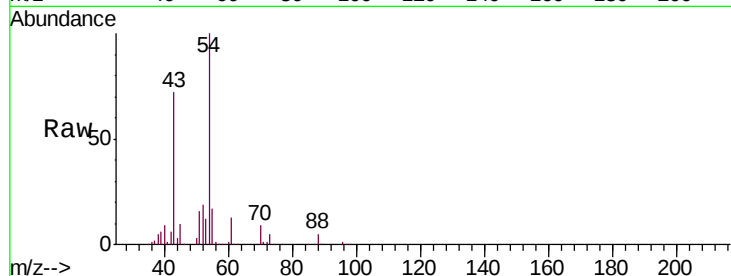




#37
Ethyl Acetate
Concen: 49.763 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

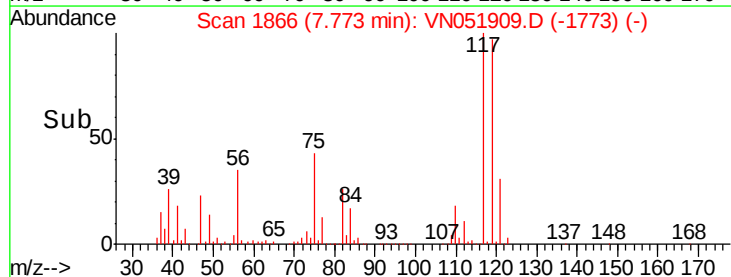
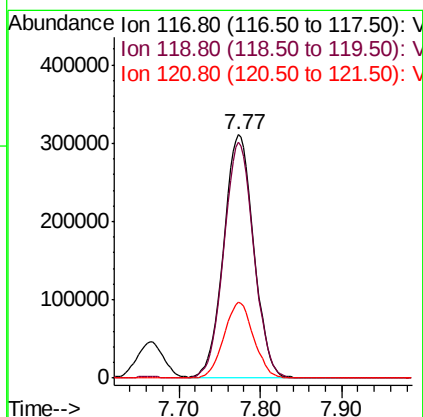
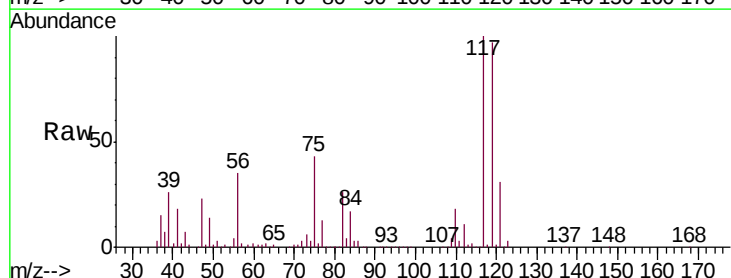
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

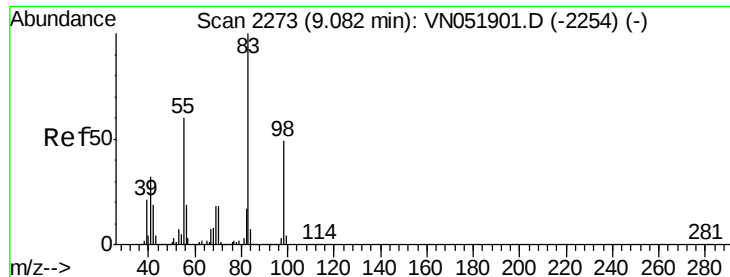
Tgt Ion: 43 Resp: 302697
Ion Ratio Lower Upper
43 100
61 15.9 13.0 19.6
70 12.9 10.4 15.6



#38
Carbon Tetrachloride
Concen: 51.741 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 117 Resp: 804415
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.6
121 31.0 25.1 37.7

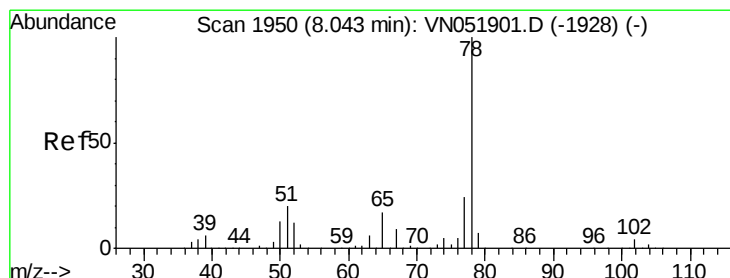
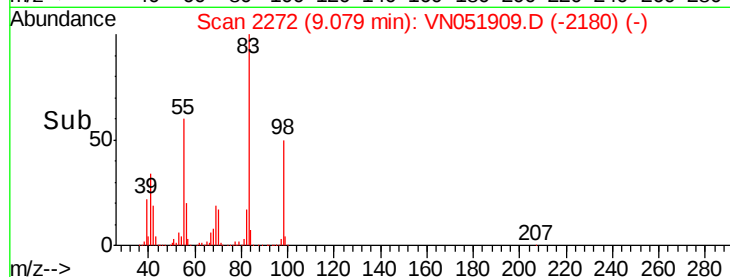
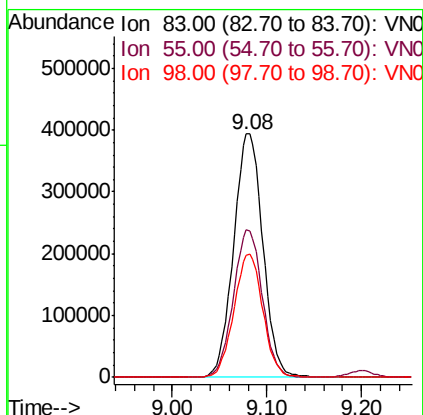
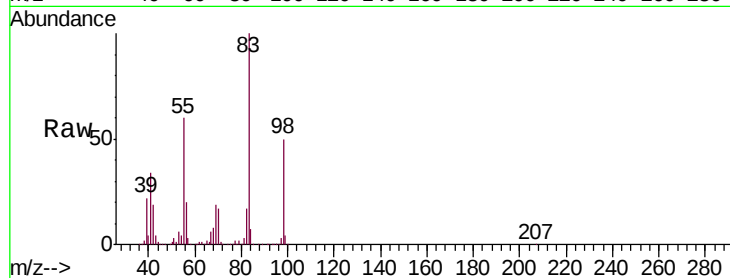




#39
Methylcyclohexane
Concen: 51.776 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

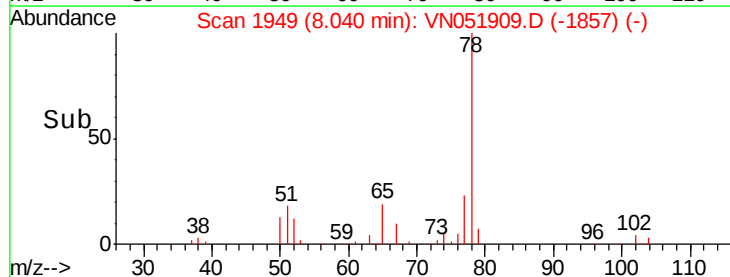
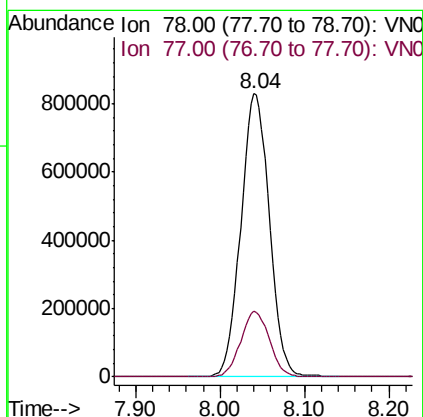
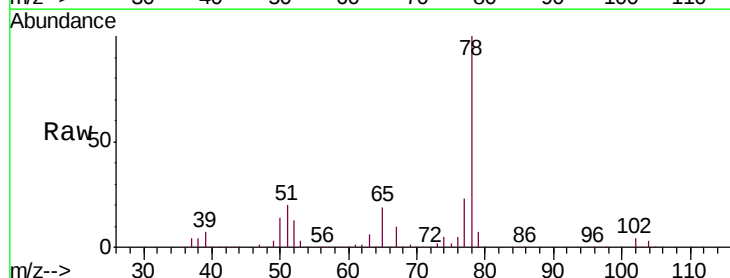
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

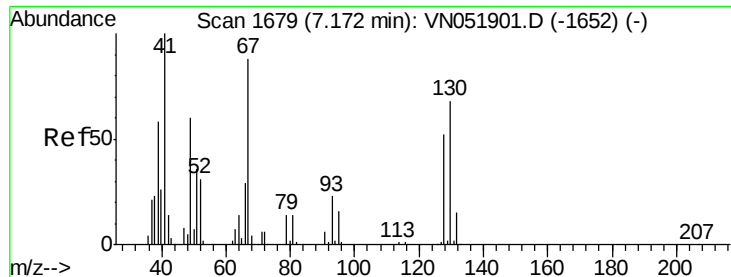
Tgt Ion: 83 Resp: 846437
Ion Ratio Lower Upper
83 100
55 60.4 47.8 71.8
98 50.0 39.0 58.4



#40
Benzene
Concen: 50.591 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 78 Resp: 1951135
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3





#41

Methacrylonitrile

Concen: 47.913 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

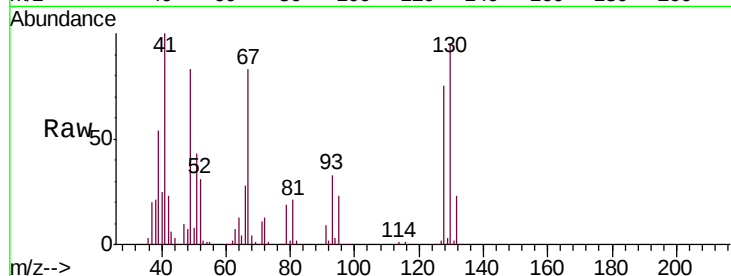
MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 143677

Ion	Ratio	Lower	Upper
41	100		
39	52.4	56.1	84.1#
67	114.6	106.5	159.7
52	45.4	39.4	59.0



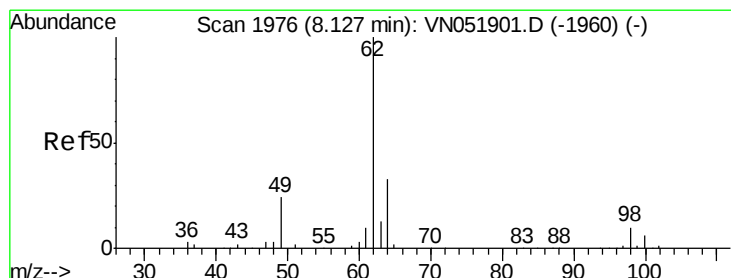
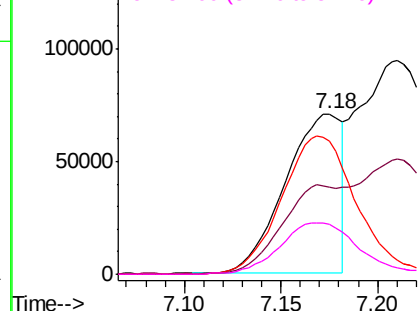
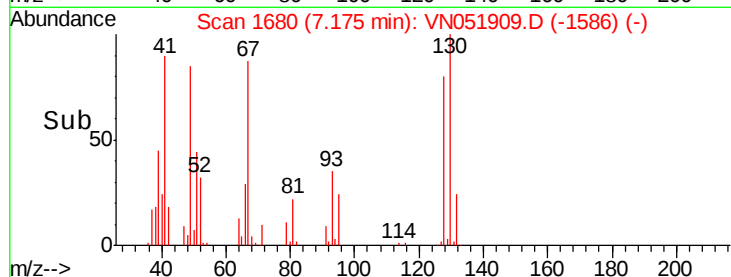
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 50.667 ug/l

RT: 8.12 min Scan# 1975

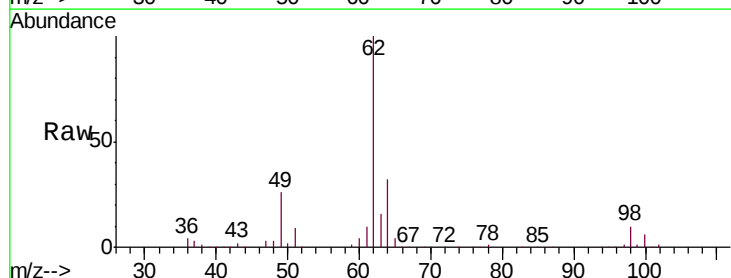
Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion: 62 Resp: 626017

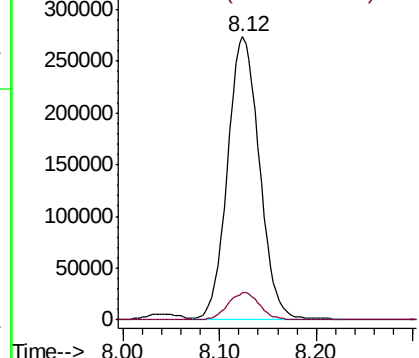
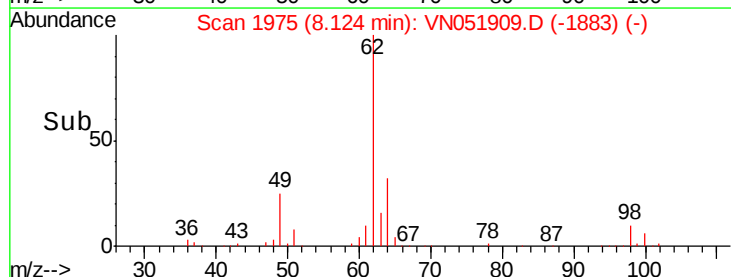
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6

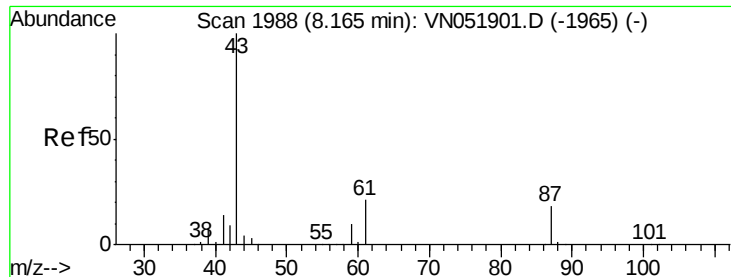


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.300 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

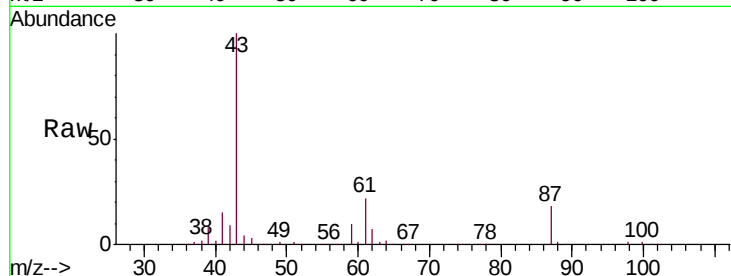
Tgt Ion: 43 Resp: 591029

Ion Ratio Lower Upper

43 100

61 32.7 24.9 37.3

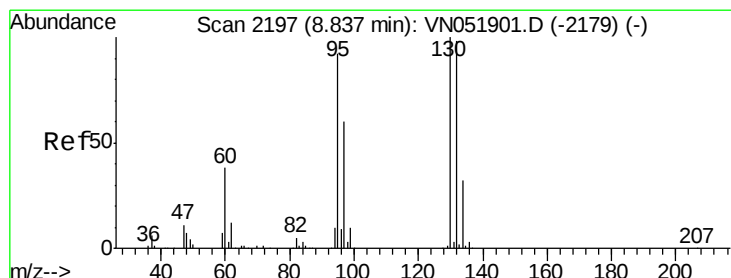
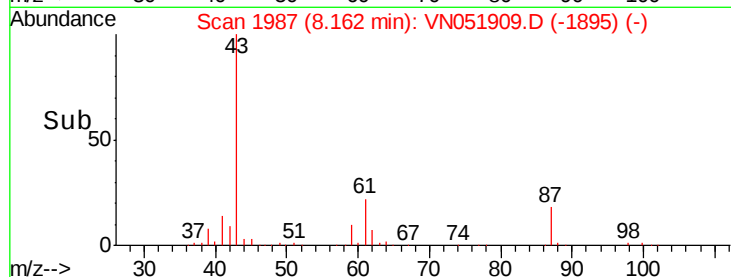
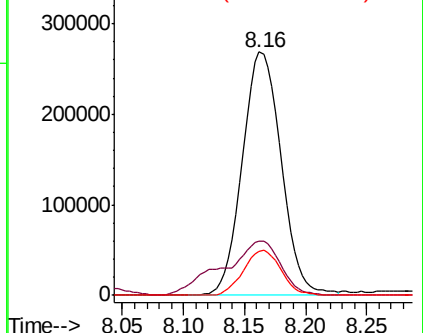
87 18.1 14.6 22.0



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

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

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



#44

Trichloroethene

Concen: 51.923 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051909.D

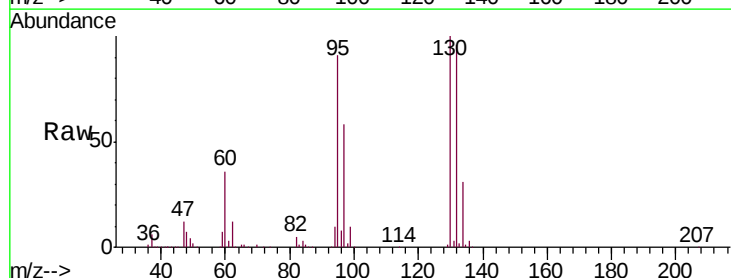
Acq: 18 Oct 2018 11:53

Tgt Ion: 130 Resp: 628427

Ion Ratio Lower Upper

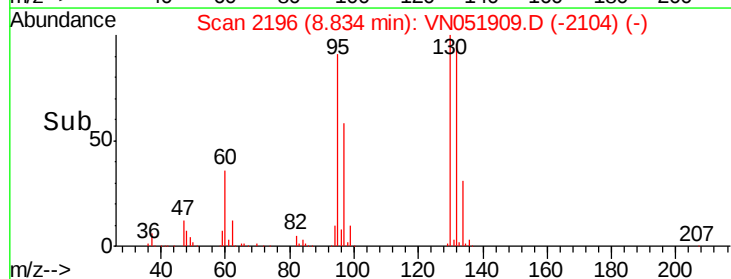
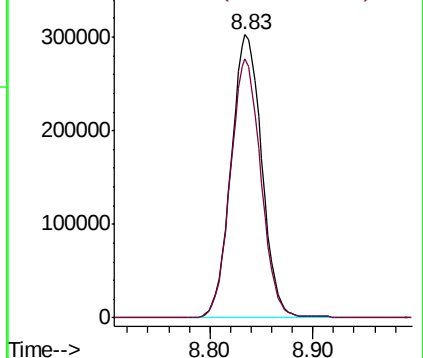
130 100

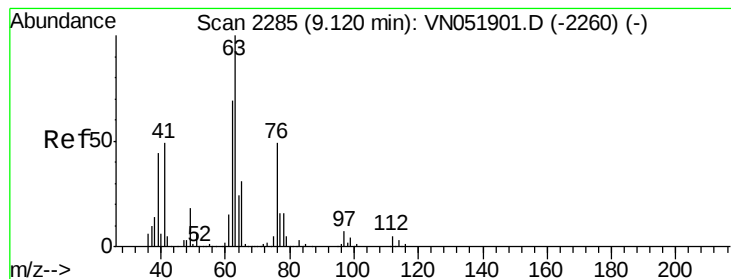
95 91.4 0.0 183.2



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

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





#45

1,2-Dichloropropane

Concen: 51.174 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

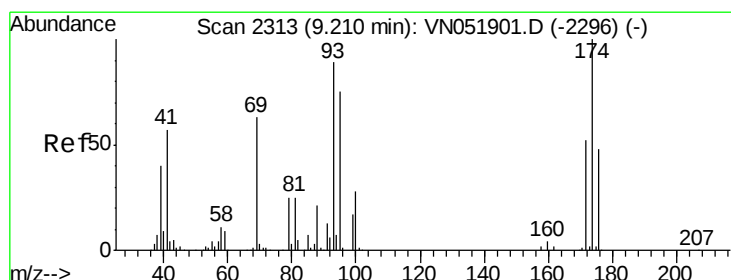
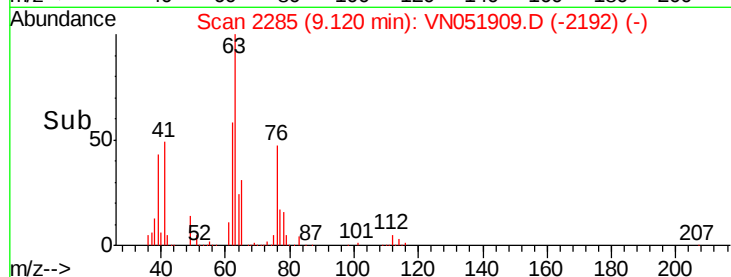
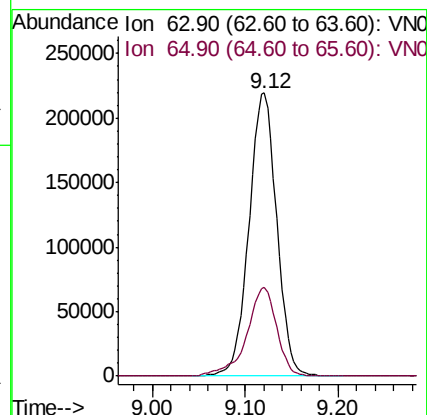
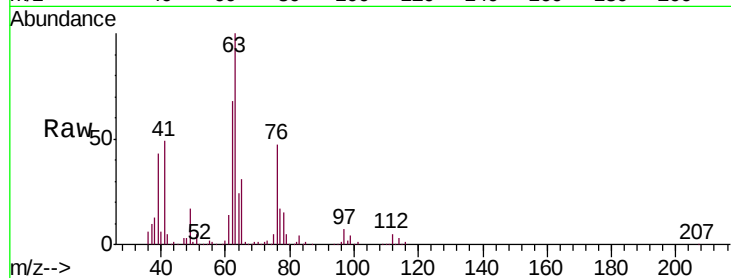
VSTDCCC050

Tgt Ion: 63 Resp: 456379

Ion Ratio Lower Upper

63 100

65 31.3 24.9 37.3



#46

Dibromomethane

Concen: 51.126 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

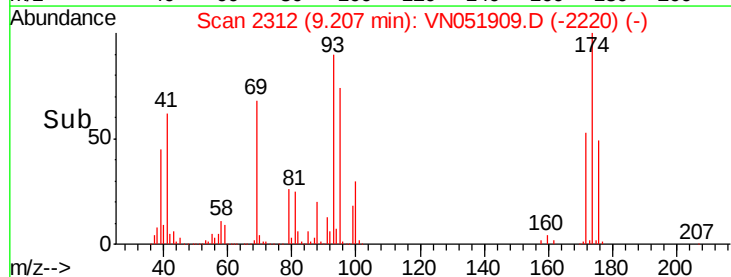
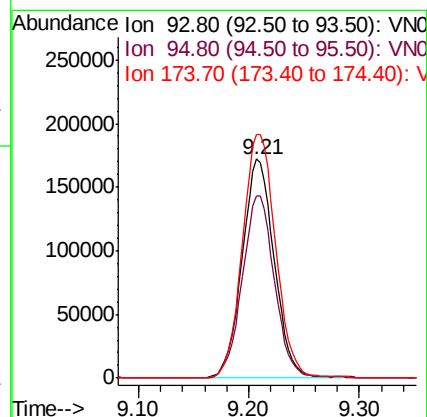
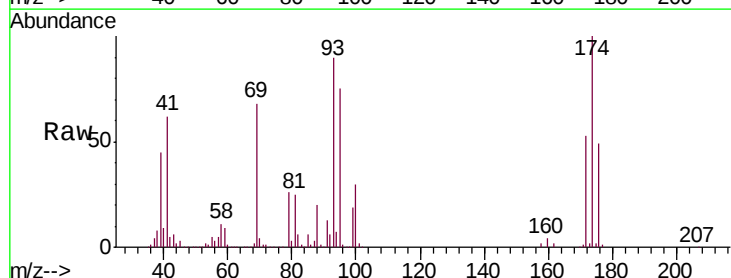
Tgt Ion: 93 Resp: 347540

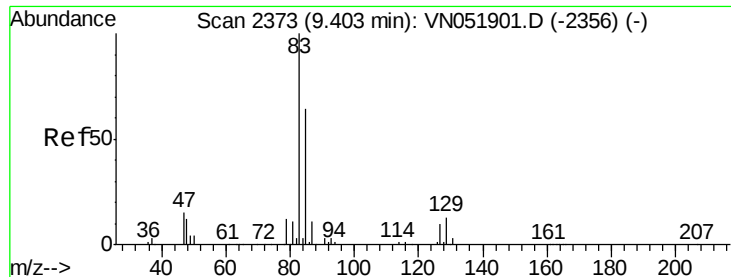
Ion Ratio Lower Upper

93 100

95 83.4 67.8 101.6

174 115.0 91.9 137.9





#47

Bromodichloromethane

Concen: 53.316 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

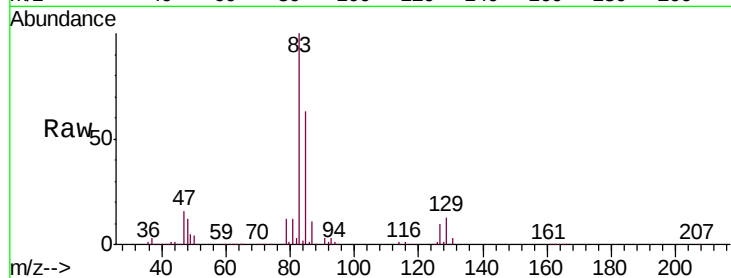
Tgt Ion: 83 Resp: 726396

Ion Ratio Lower Upper

83 100

85 63.5 51.4 77.2

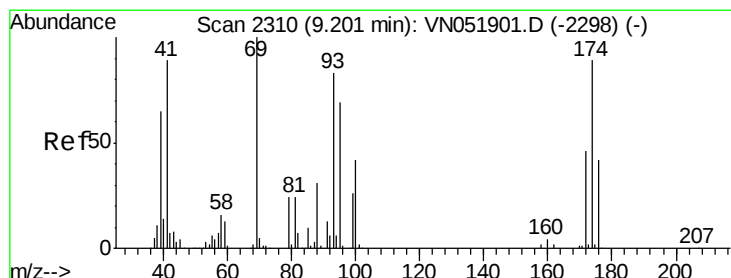
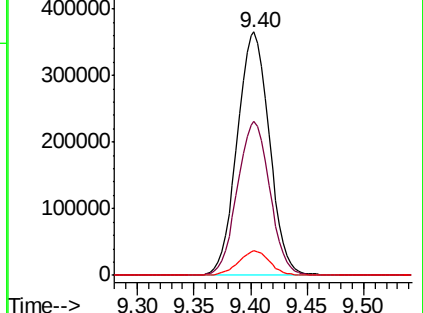
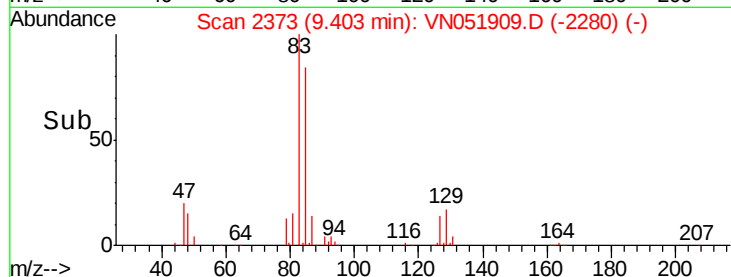
127 10.2 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VN051909.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051909.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051909.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.289 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

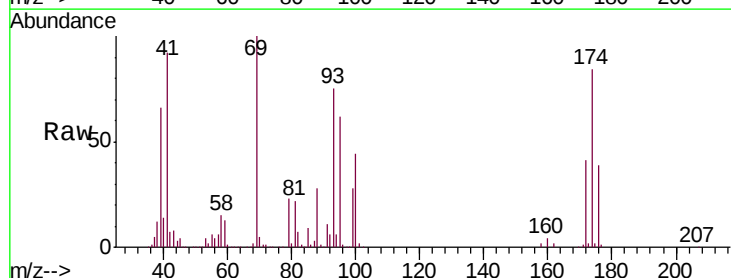
Tgt Ion: 41 Resp: 273337

Ion Ratio Lower Upper

41 100

69 111.0 90.2 135.2

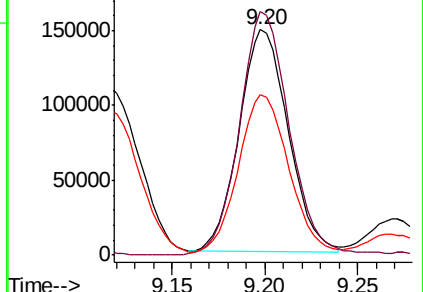
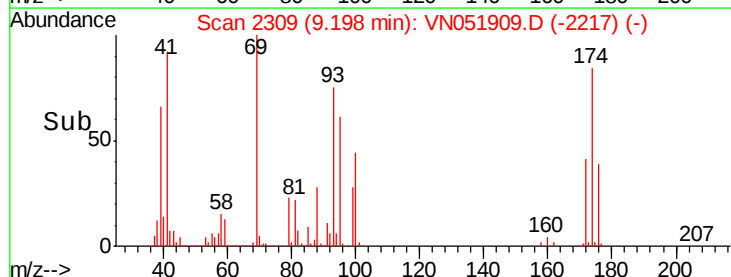
39 74.5 59.7 89.5

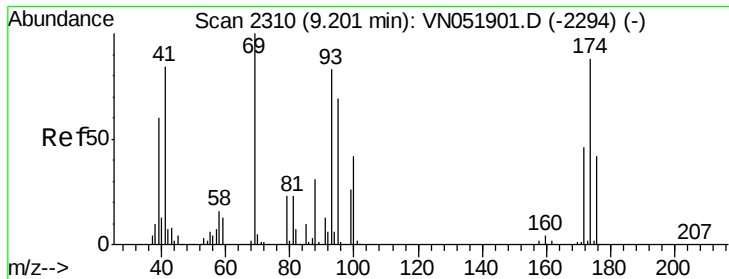


Abundance Ion 41.00 (40.70 to 41.70): VN051909.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051909.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051909.D (-2217) (-)





#49

1,4-Dioxane

Concen: 963.985 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

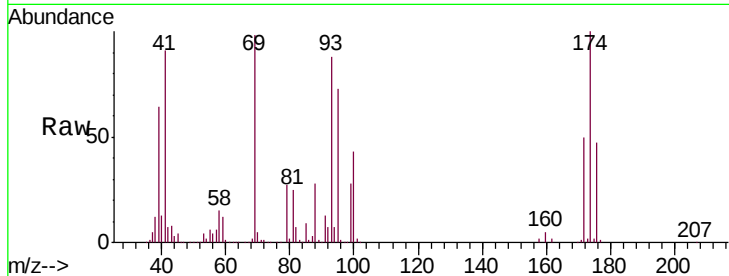
Tgt Ion: 88 Resp: 97580

Ion Ratio Lower Upper

88 100

43 24.2 19.7 29.5

58 53.3 42.6 64.0

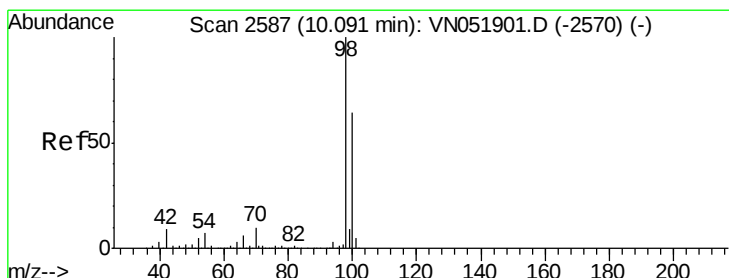
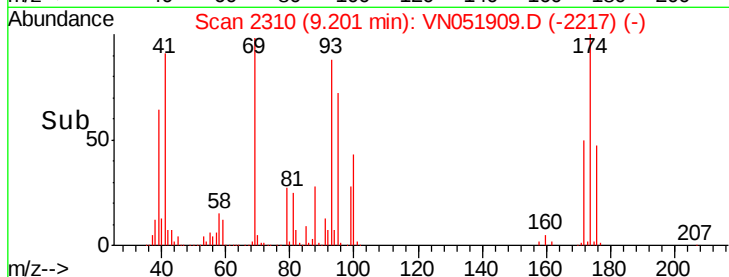
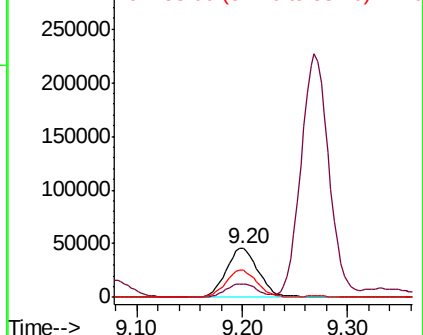


Abundance

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: 963.985 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051909.D

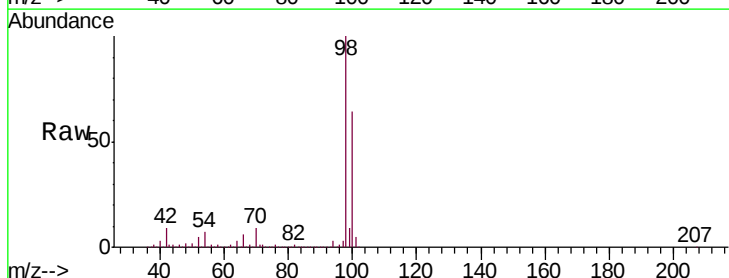
Acq: 18 Oct 2018 11:53

Tgt Ion: 98 Resp: 1954460

Ion Ratio Lower Upper

98 100

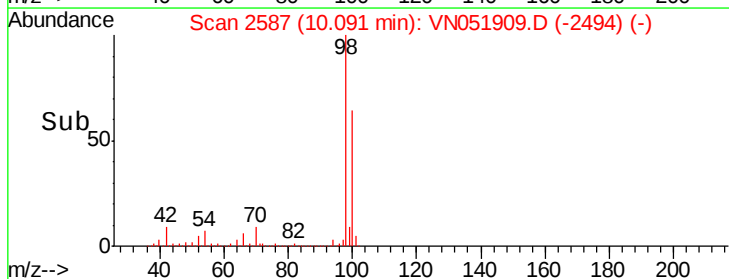
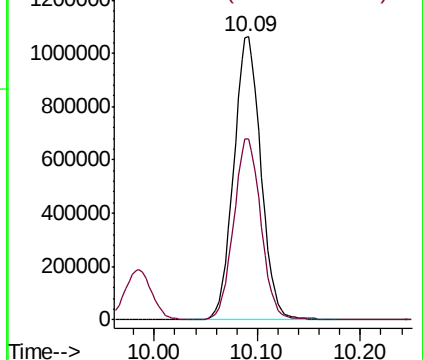
100 64.3 51.0 76.4

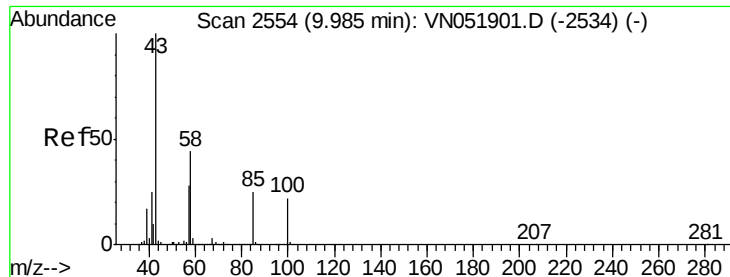


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 256.221 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

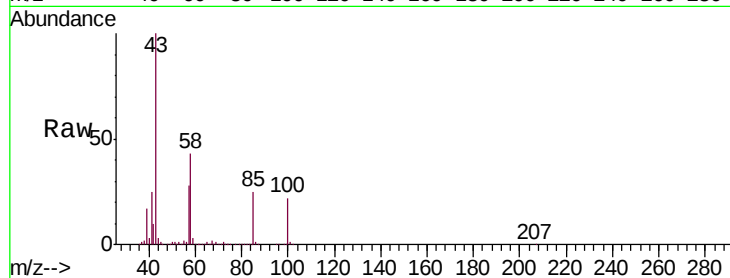
VSTDCCC050

Tgt Ion: 43 Resp: 1574676

Ion Ratio Lower Upper

43 100

58 42.9 34.6 52.0



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

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

800000

600000

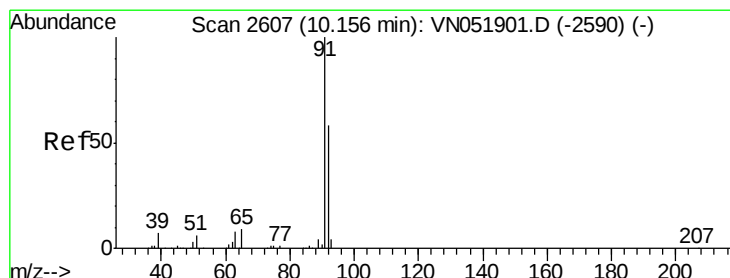
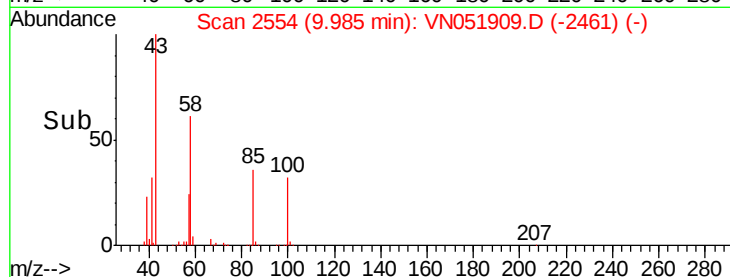
400000

200000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 52.578 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051909.D

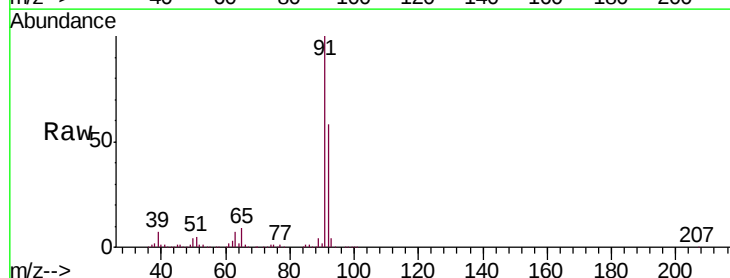
Acq: 18 Oct 2018 11:53

Tgt Ion: 92 Resp: 1356492

Ion Ratio Lower Upper

92 100

91 175.8 139.8 209.6



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

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

1500000

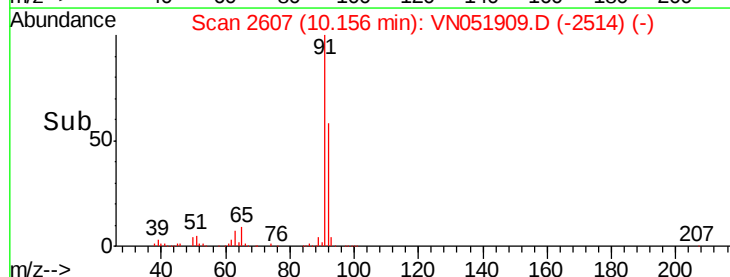
1000000

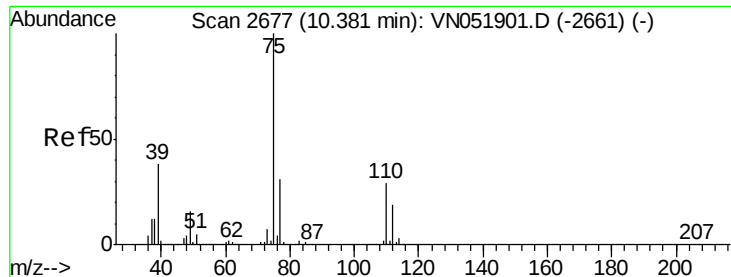
500000

0

10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.424 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

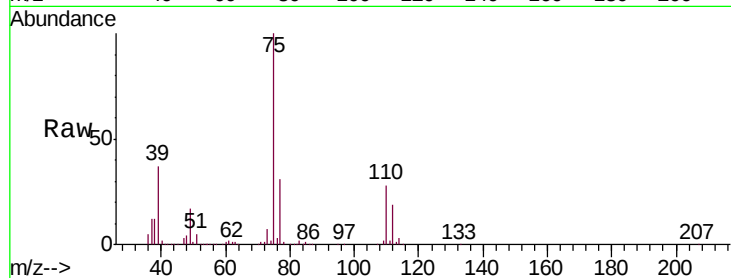
VSTDCCC050

Tgt Ion: 75 Resp: 702657

Ion Ratio Lower Upper

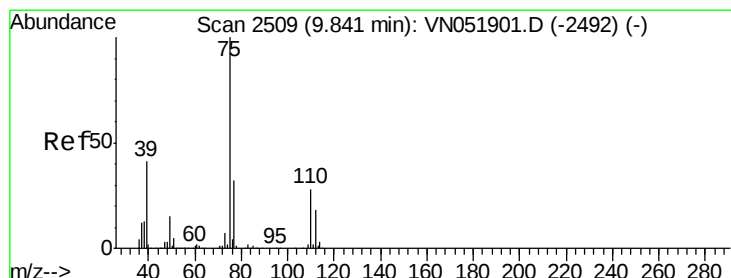
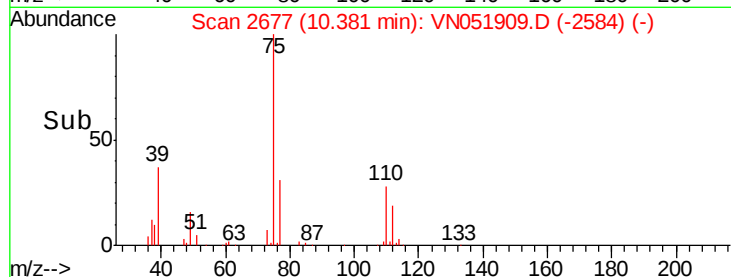
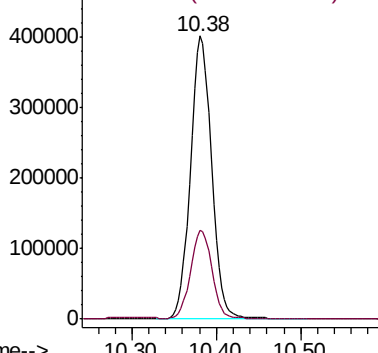
75 100

77 31.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 53.498 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

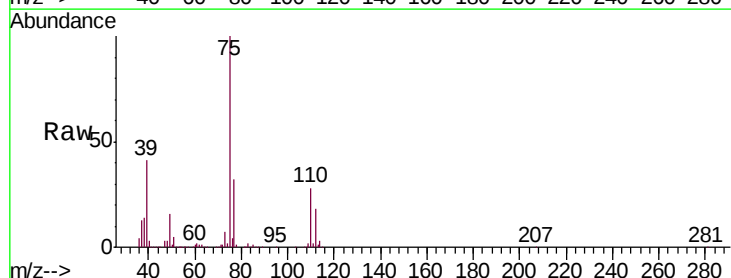
Tgt Ion: 75 Resp: 770183

Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

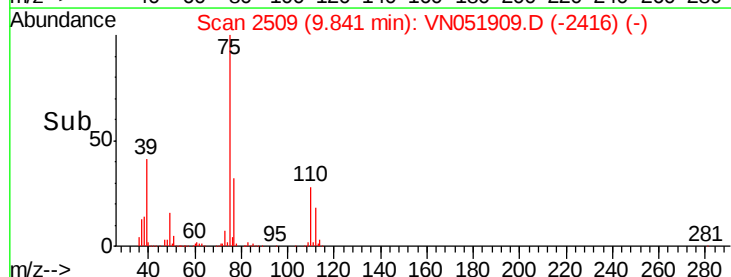
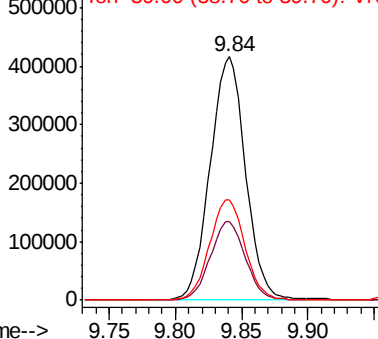
39 41.3 32.8 49.2

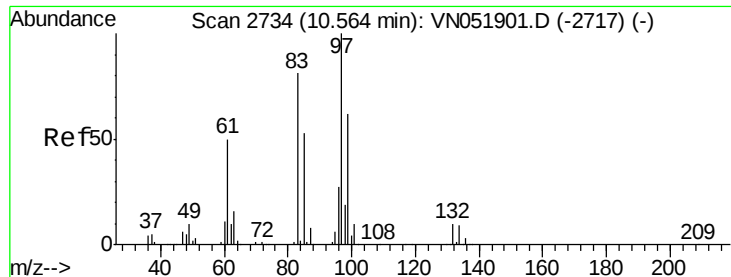


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

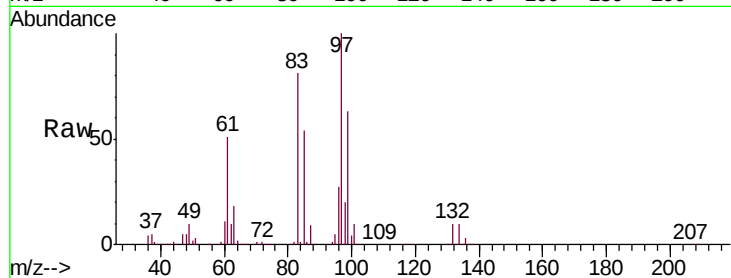




#55
 1,1,2-Trichloroethane
 Concen: 52.305 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	494449
Ion	Ratio	Lower	Upper
97	100		
83	81.0	64.6	96.8
85	53.8	42.3	63.5
99	62.5	49.7	74.5



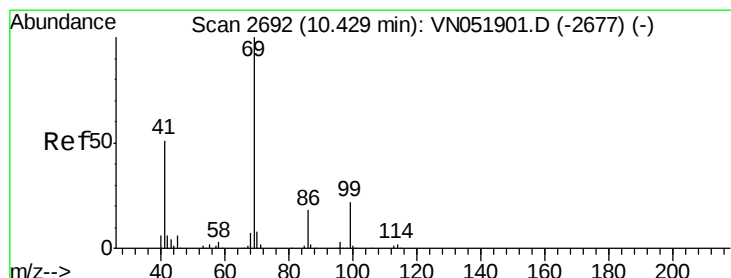
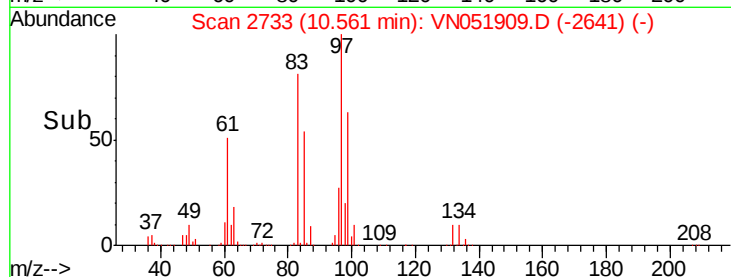
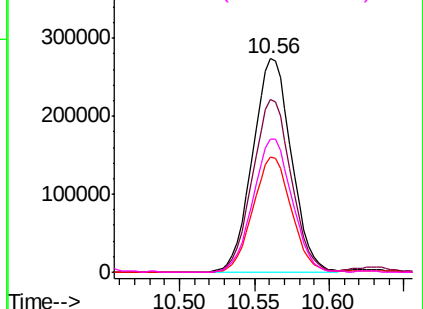
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

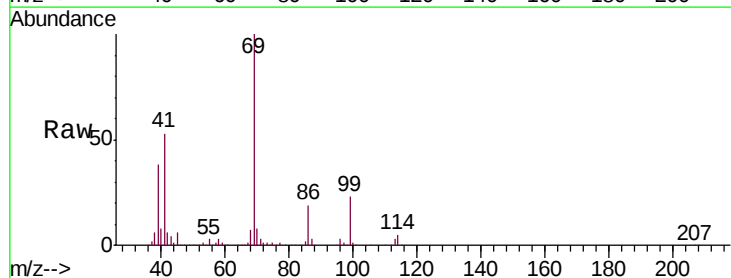
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 52.042 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion:	69	Resp:	550017
Ion	Ratio	Lower	Upper
69	100		
41	51.8	40.6	61.0
39	36.6	29.4	44.0

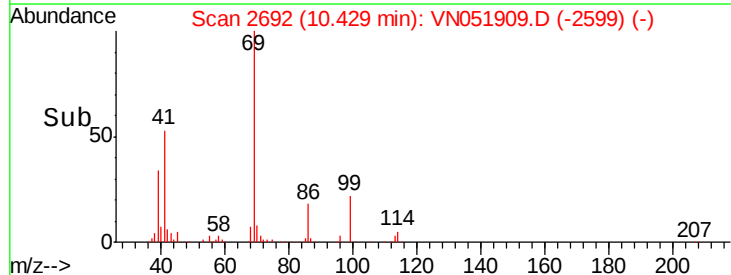
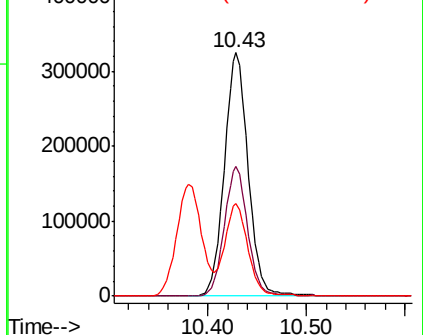


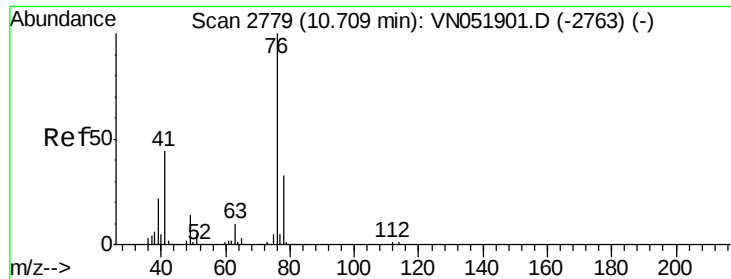
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

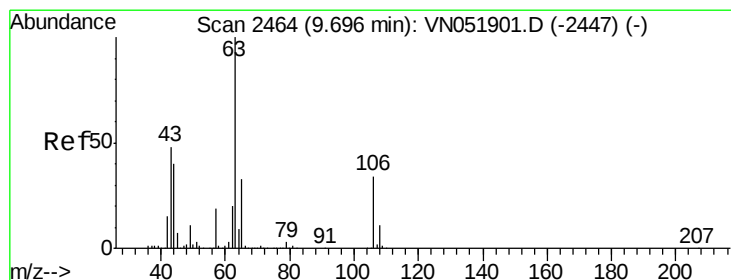
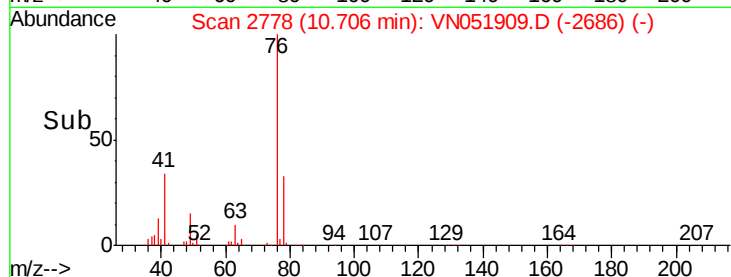
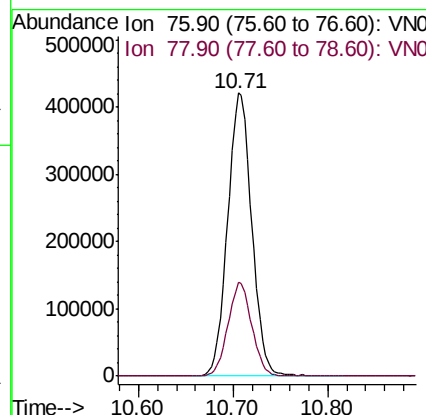
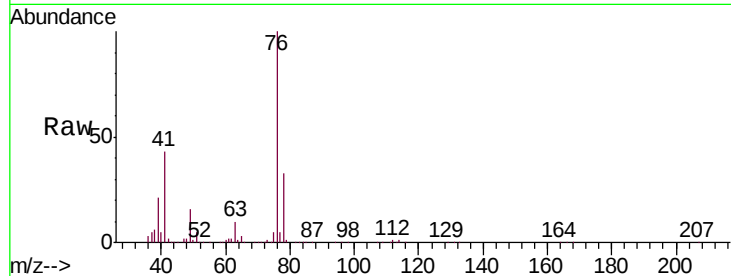




#57
 1,3-Dichloropropane
 Concen: 51.970 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

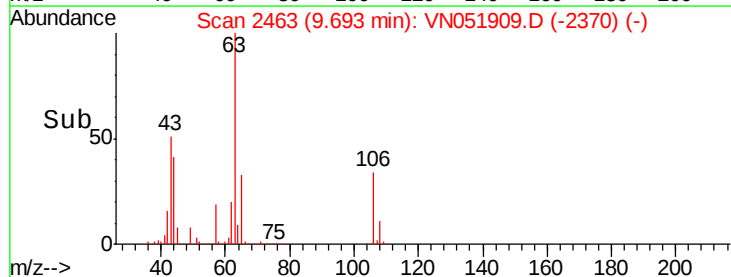
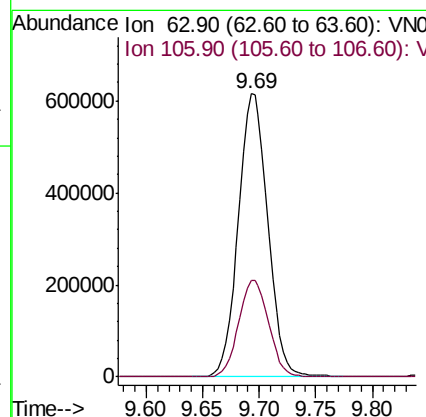
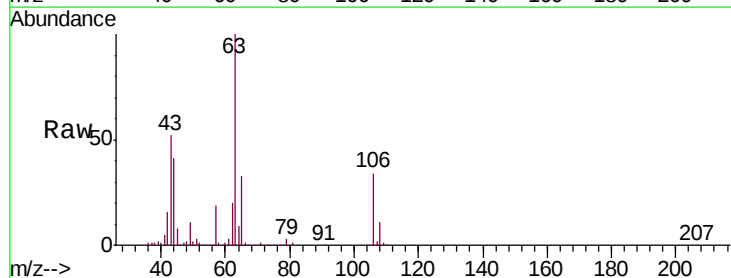
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

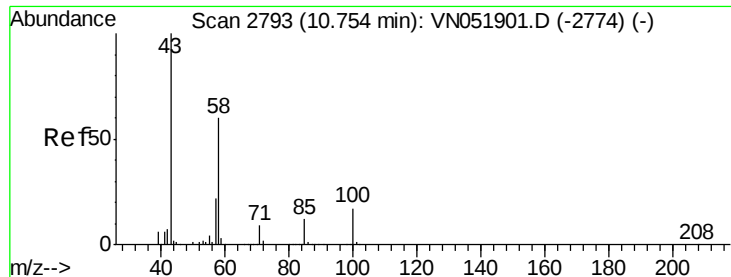
Tgt Ion: 76 Resp: 748019
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.090 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 63 Resp: 1118320
 Ion Ratio Lower Upper
 63 100
 106 34.7 27.5 41.3

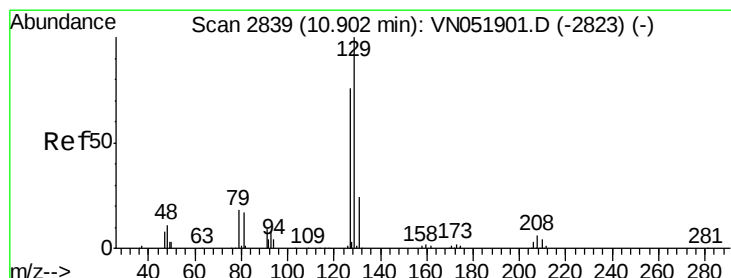
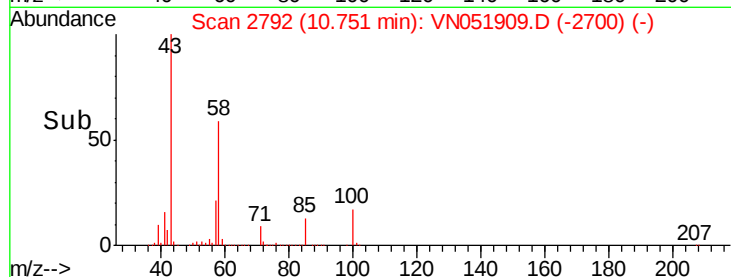
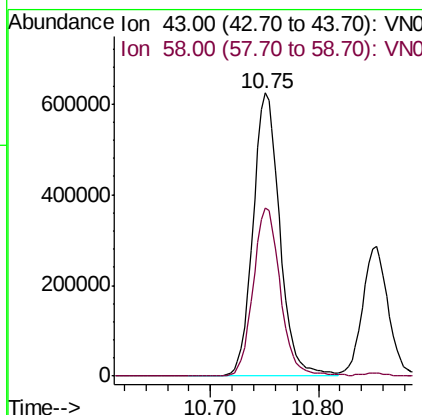
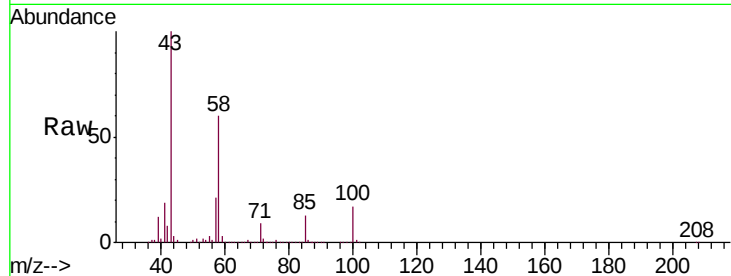




#59
2-Hexanone
Concen: 260.539 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

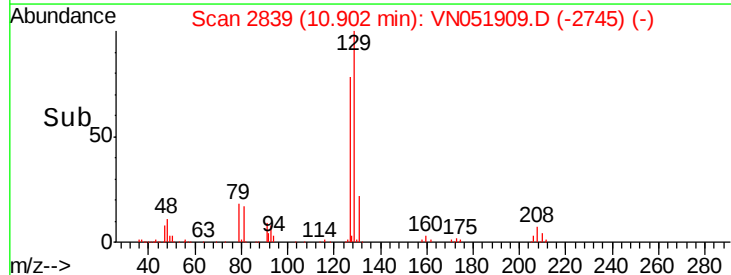
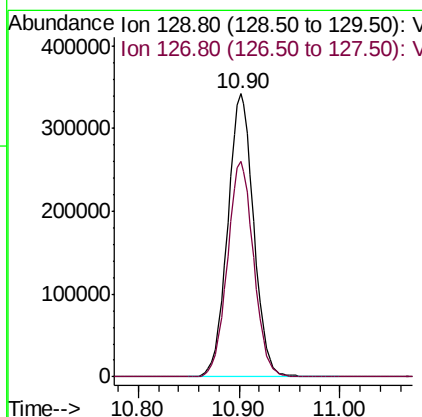
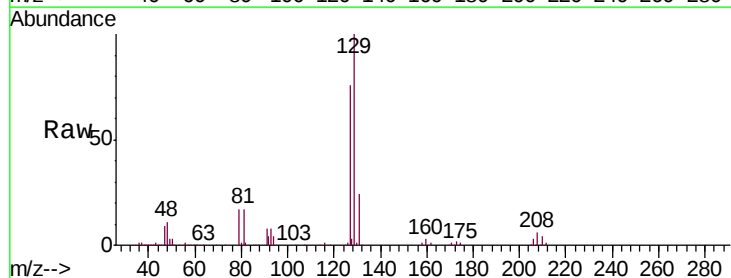
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

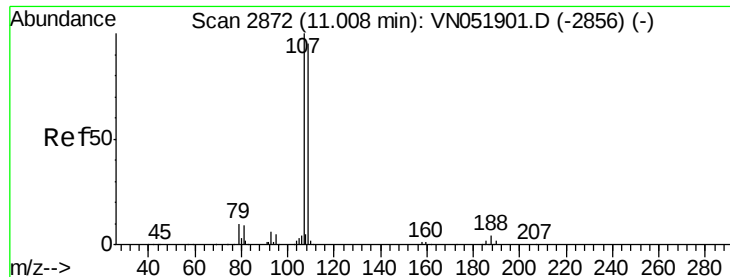
Tgt Ion: 43 Resp: 1073662
Ion Ratio Lower Upper
43 100
58 60.3 29.8 89.5



#60
Dibromochloromethane
Concen: 48.488 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 129 Resp: 613571
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 52.857 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

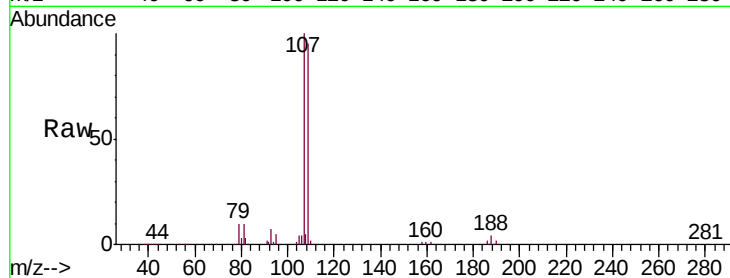
VSTDCCC050

Tgt Ion: 107 Resp: 524094

Ion Ratio Lower Upper

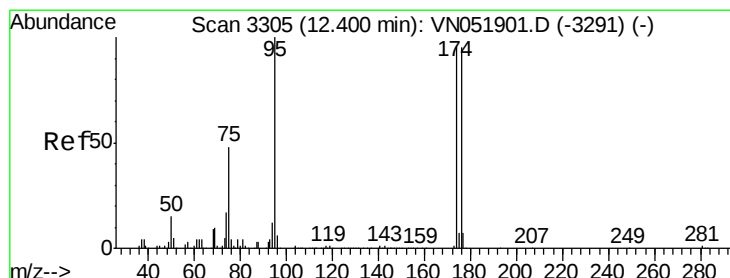
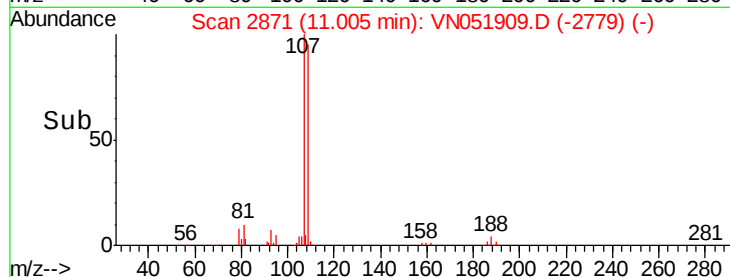
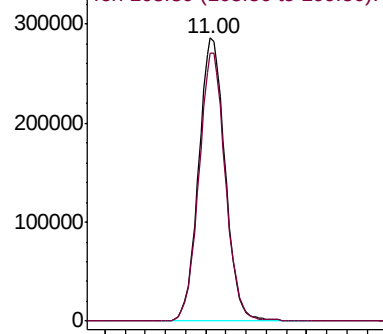
107 100

109 94.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.857 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

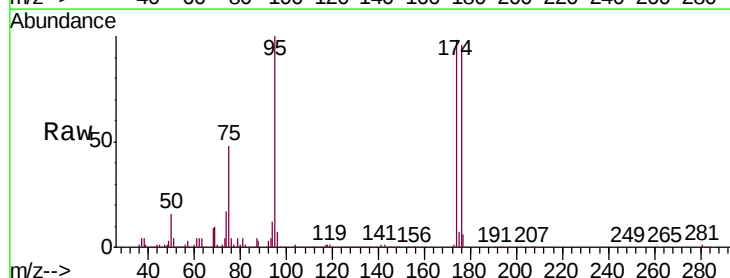
Tgt Ion: 95 Resp: 679808

Ion Ratio Lower Upper

95 100

174 99.1 0.0 195.0

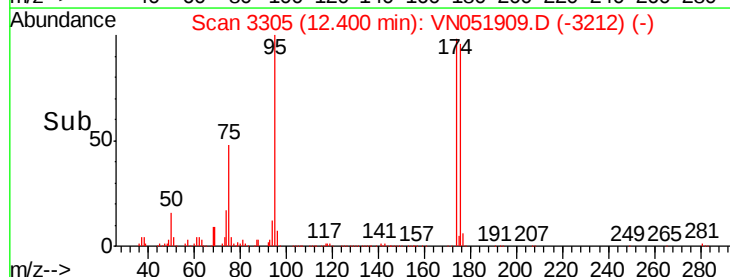
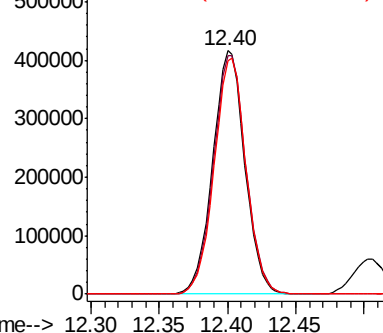
176 96.2 0.0 191.4

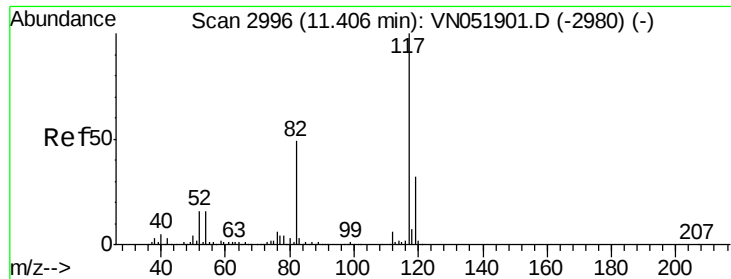


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

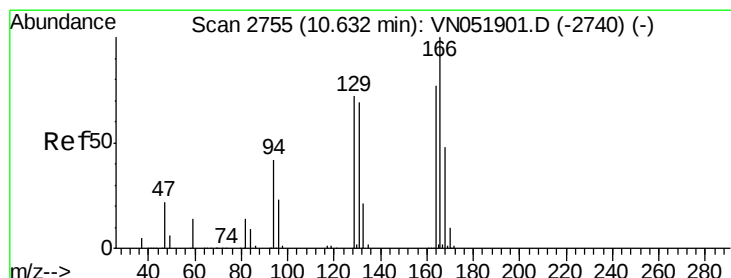
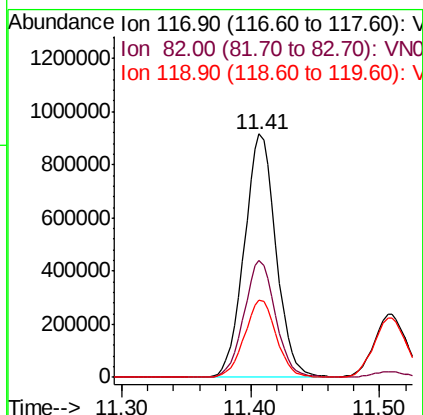
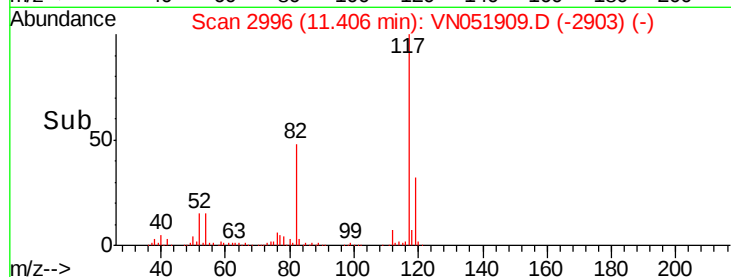
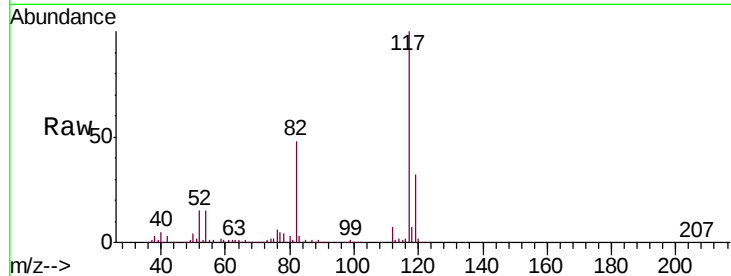
Tgt Ion:117 Resp: 1565654

Ion Ratio Lower Upper

117 100

82 48.1 38.9 58.3

119 31.9 25.9 38.9



#64

Tetrachloroethene

Concen: 50.129 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion:164 Resp: 629978

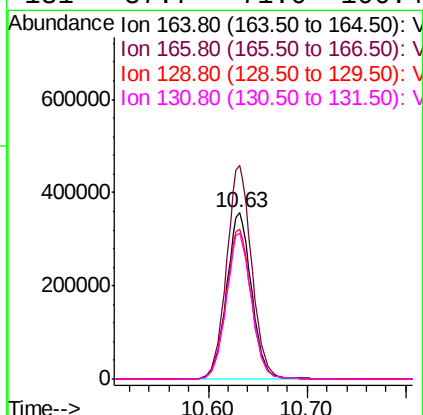
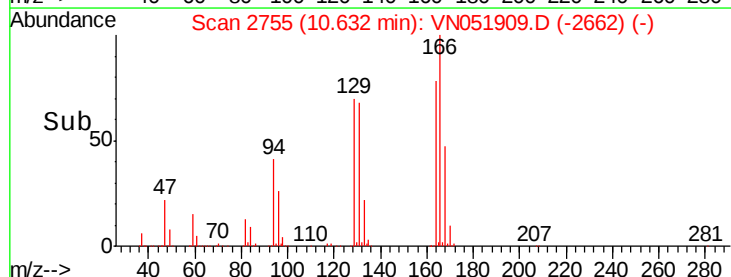
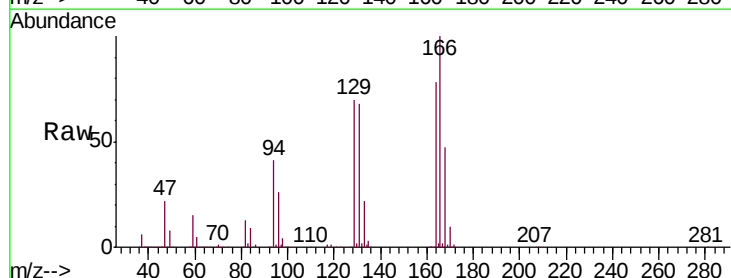
Ion Ratio Lower Upper

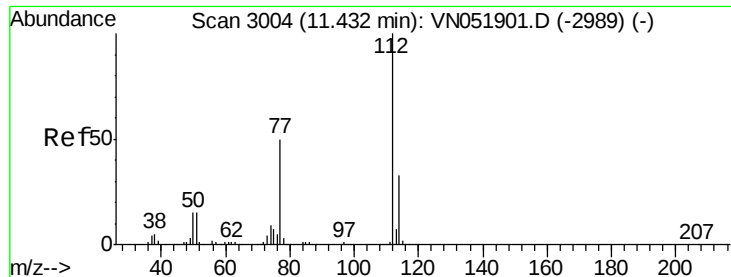
164 100

166 128.4 103.4 155.0

129 90.3 73.9 110.9

131 87.7 71.0 106.4





#65

Chlorobenzene

Concen: 50.921 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

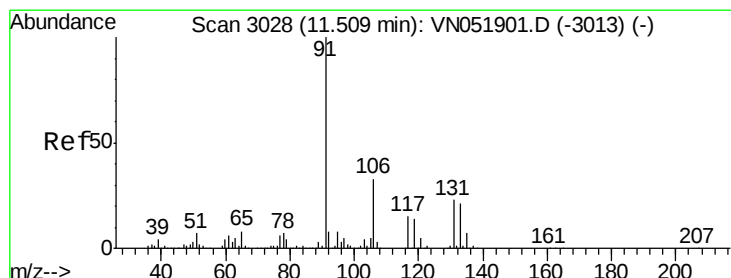
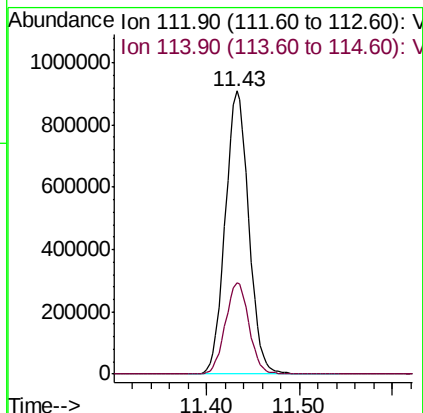
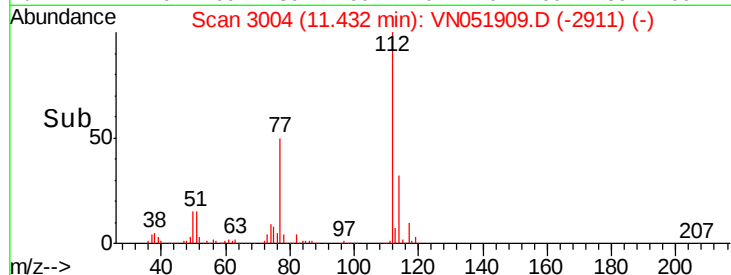
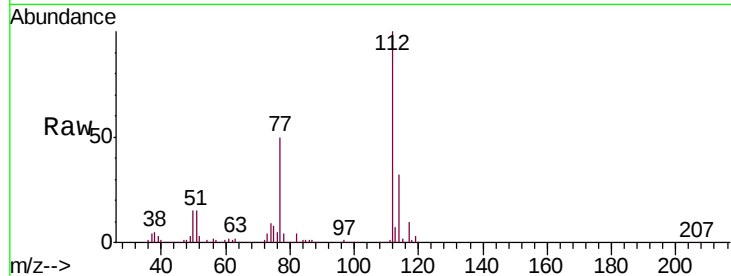
VSTDCCC050

Tgt Ion:112 Resp: 1593907

Ion Ratio Lower Upper

112 100

114 32.4 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 52.964 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

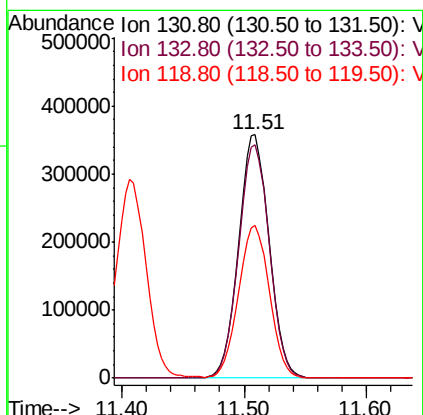
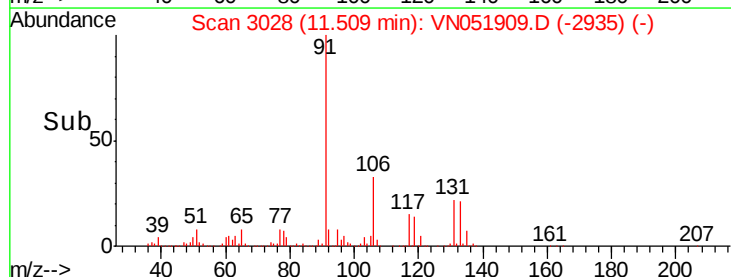
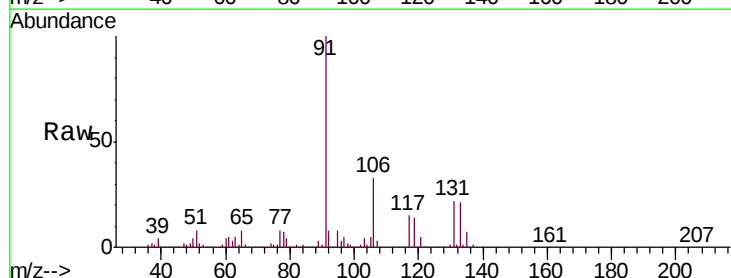
Tgt Ion:131 Resp: 617115

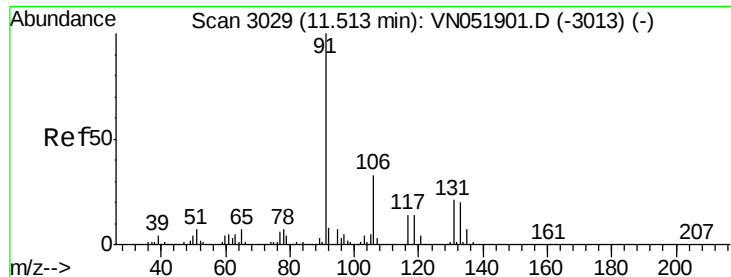
Ion Ratio Lower Upper

131 100

133 96.6 47.5 142.6

119 63.4 32.1 96.5

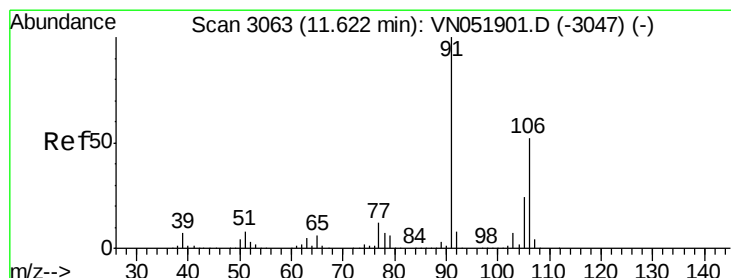
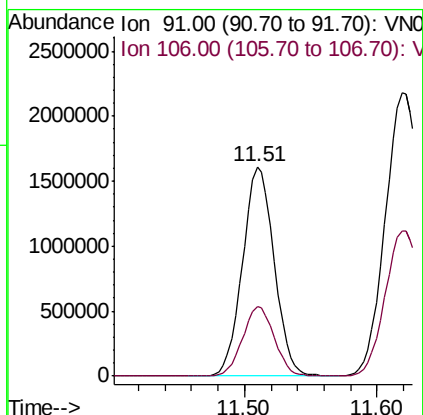
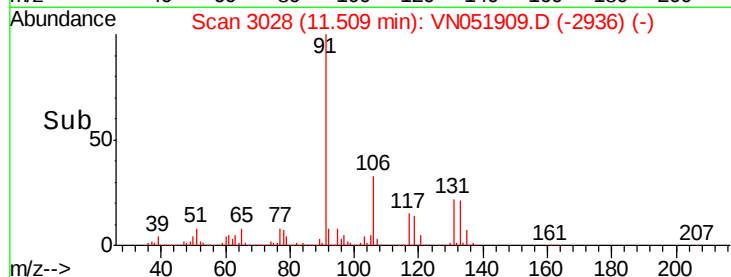
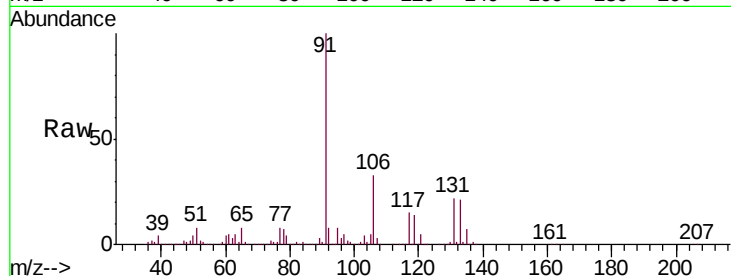




#67
Ethyl Benzene
Concen: 51.992 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

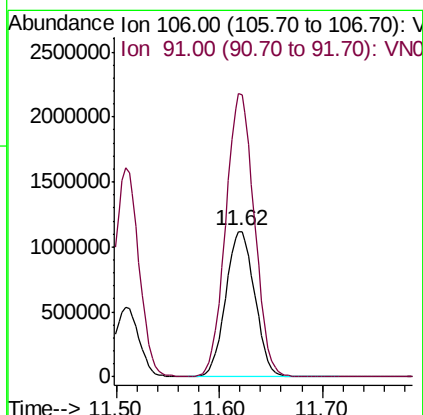
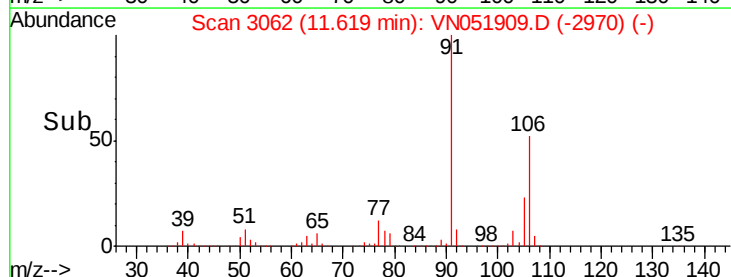
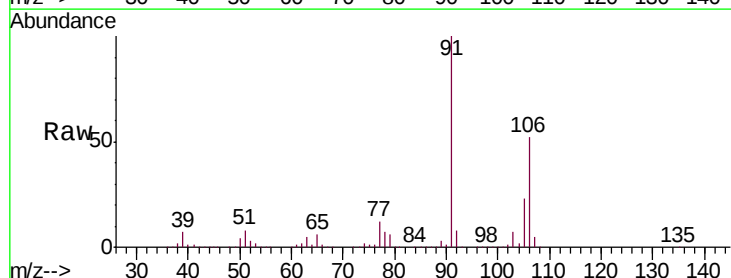
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

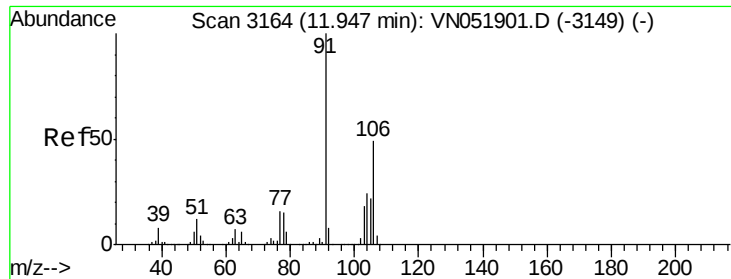
Tgt Ion: 91 Resp: 2666128
Ion Ratio Lower Upper
91 100
106 33.1 26.6 39.8



#68
m/p-Xylenes
Concen: 106.539 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion: 106 Resp: 2193651
Ion Ratio Lower Upper
106 100
91 192.4 153.6 230.4

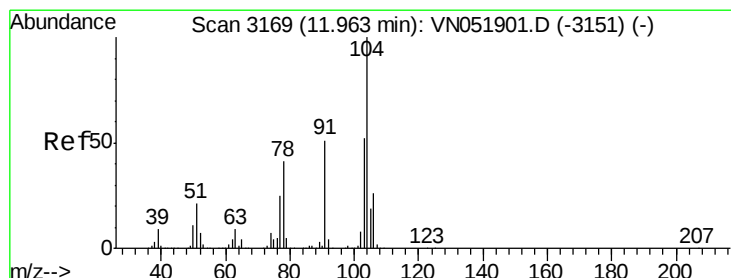
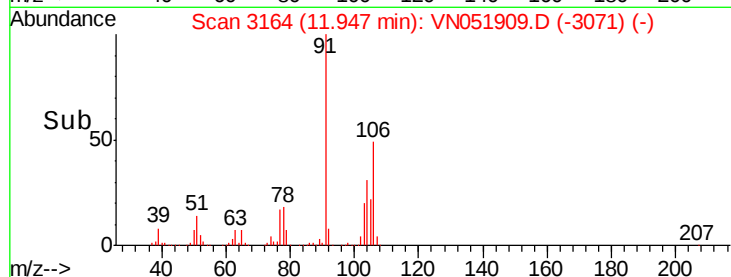
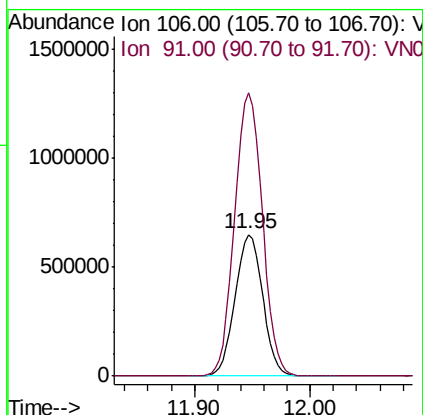
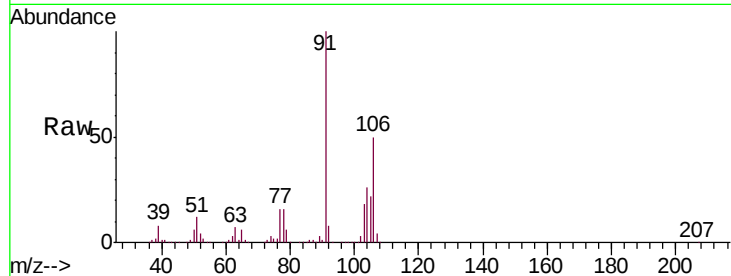




#69
o-Xylene
Concen: 53.490 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

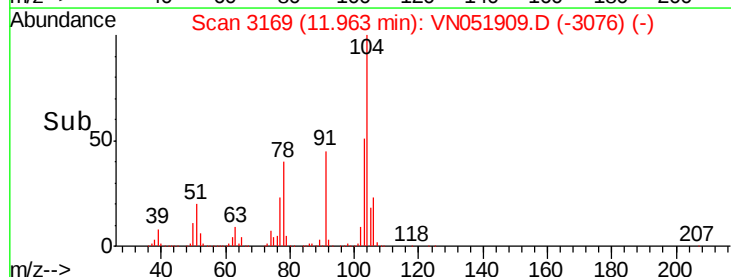
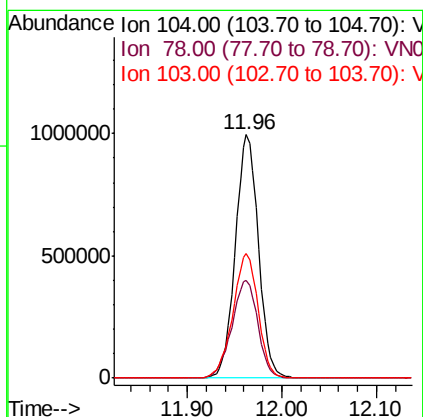
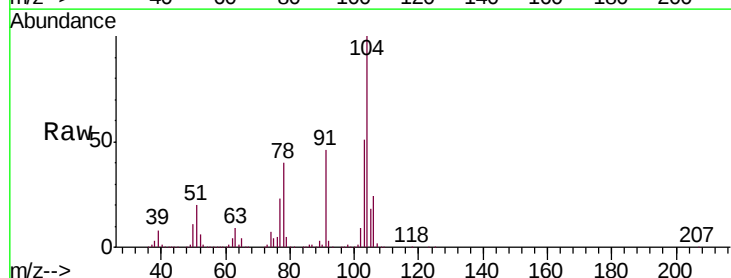
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

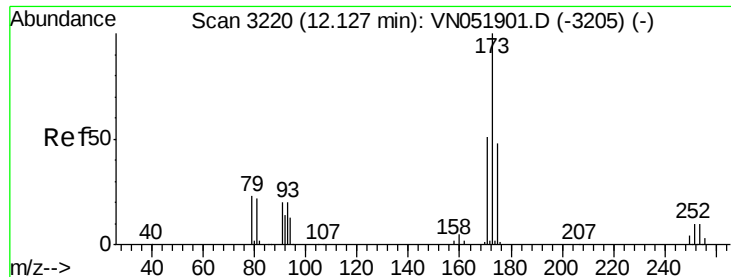
Tgt Ion:106 Resp: 1073320
Ion Ratio Lower Upper
106 100
91 201.6 100.7 302.1



#70
Styrene
Concen: 54.639 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion:104 Resp: 1686518
Ion Ratio Lower Upper
104 100
78 45.3 36.6 55.0
103 55.9 44.6 67.0

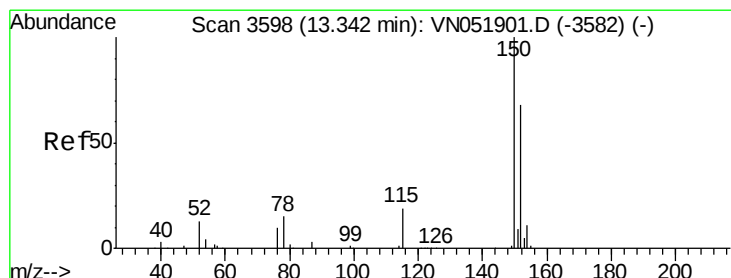
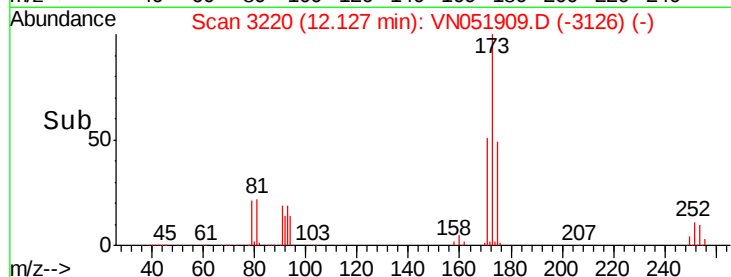
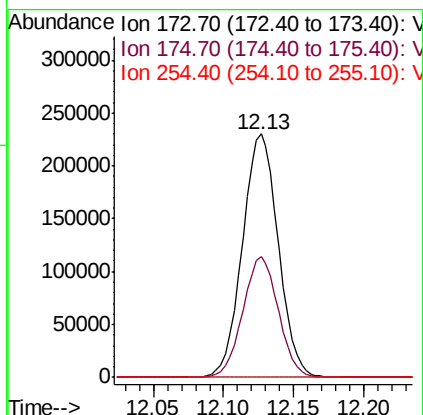
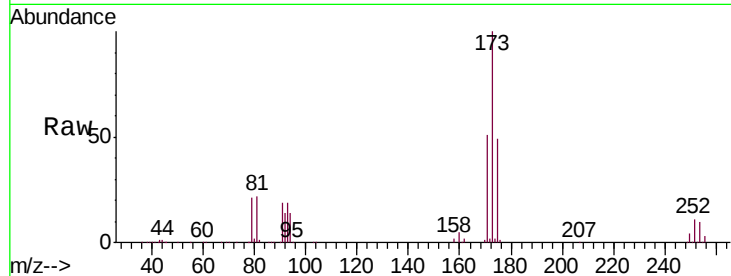




#71
Bromoform
Concen: 46.941 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

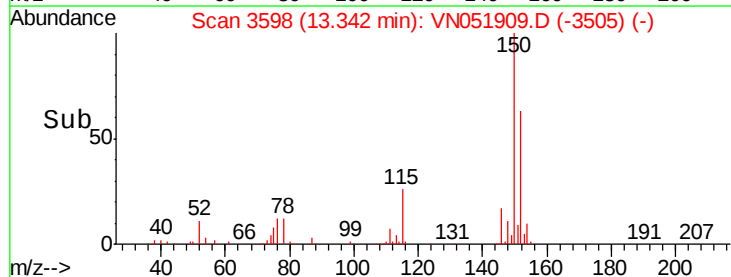
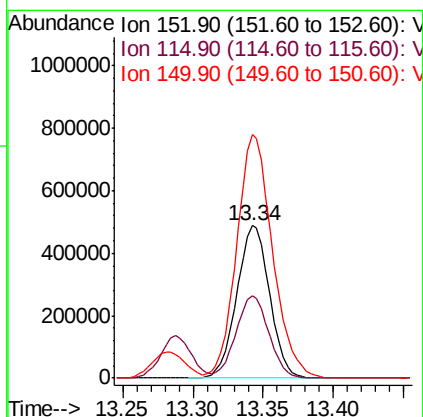
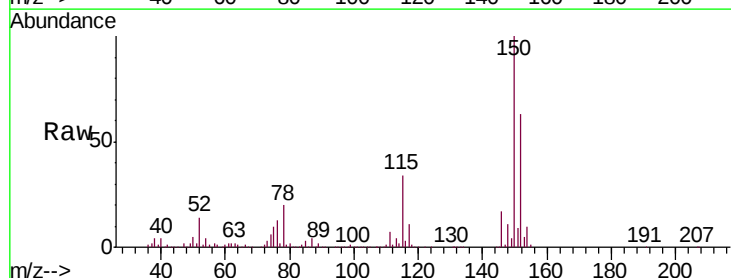
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

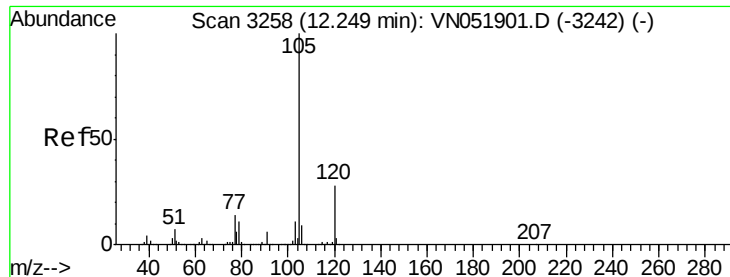
Tgt Ion:173 Resp: 409623
Ion Ratio Lower Upper
173 100
175 49.0 24.0 72.0
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051909.D
Acq: 18 Oct 2018 11:53

Tgt Ion:152 Resp: 794954
Ion Ratio Lower Upper
152 100
115 54.1 26.7 80.1
150 174.2 0.0 346.4





#73

Isopropylbenzene

Concen: 47.023 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

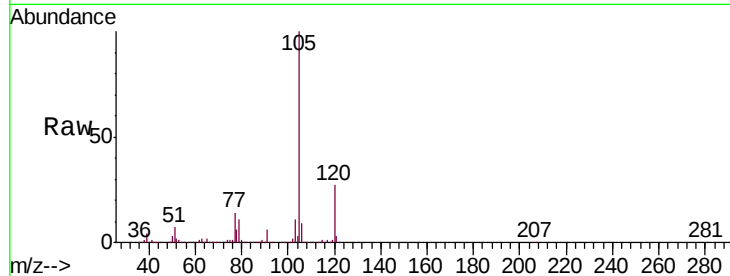
VSTDCCC050

Tgt Ion: 105 Resp: 2893814

Ion Ratio Lower Upper

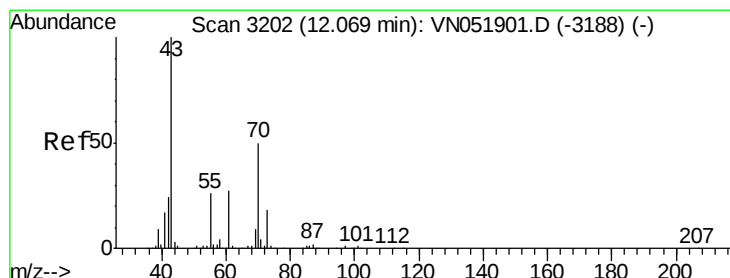
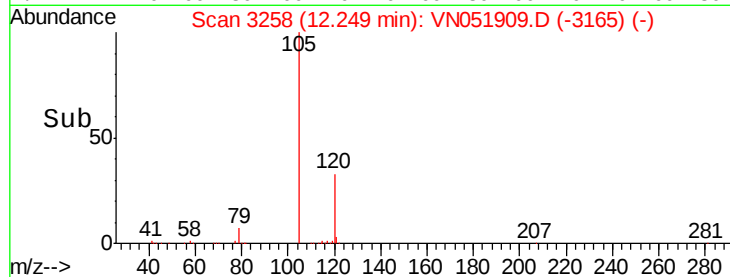
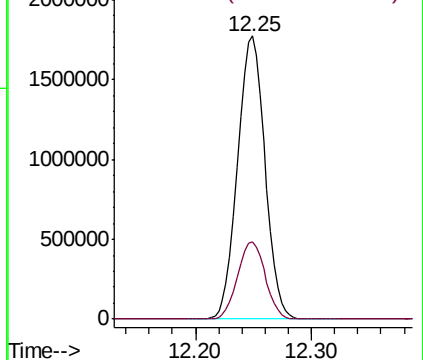
105 100

120 27.7 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.649 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Tgt Ion: 43 Resp: 504179

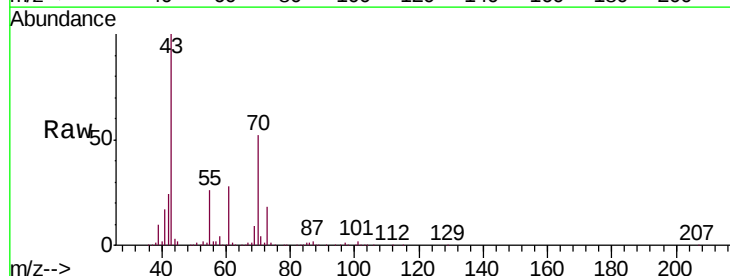
Ion Ratio Lower Upper

43 100

70 51.5 40.1 60.1

55 26.3 21.0 31.4

61 27.1 21.4 32.0

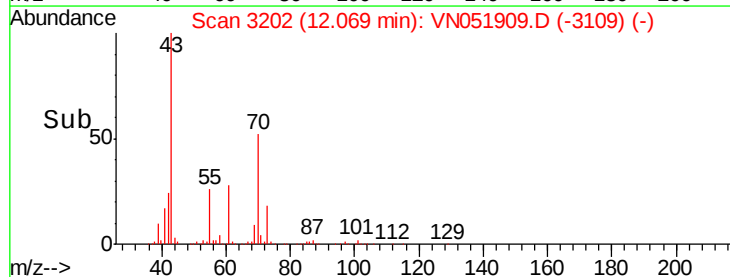
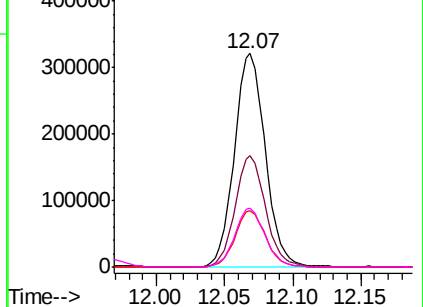


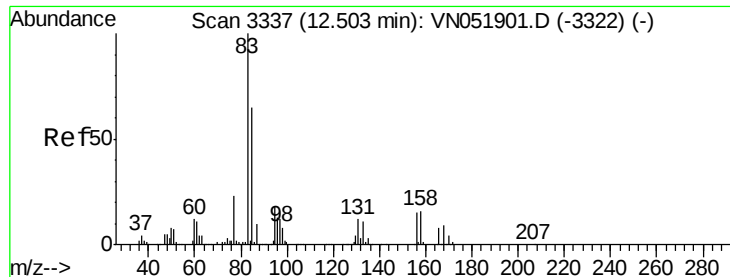
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.060 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

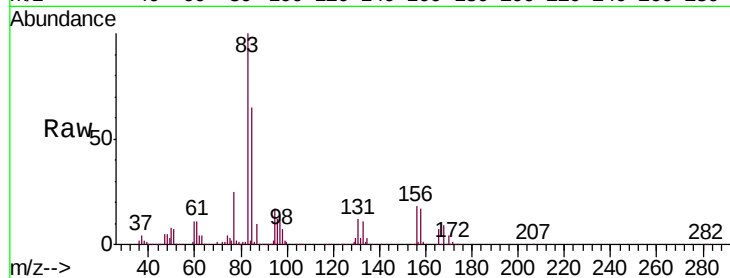
Tgt Ion: 83 Resp: 572849

Ion Ratio Lower Upper

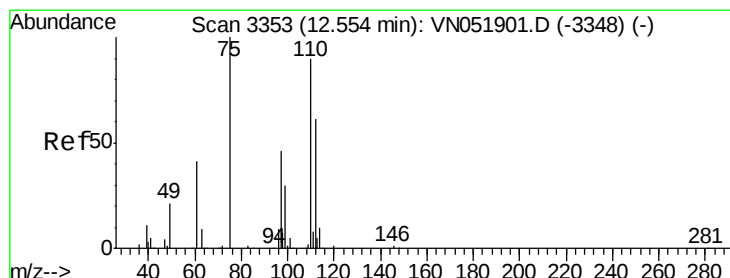
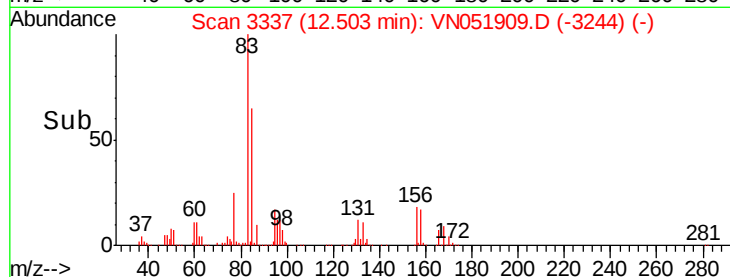
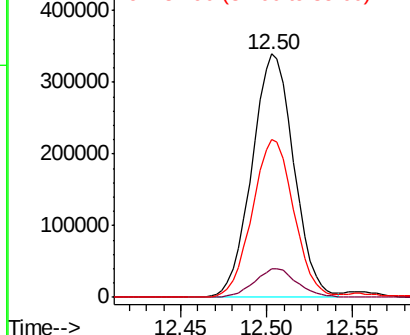
83 100

131 12.1 6.2 18.6

85 64.5 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 70.808 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051909.D

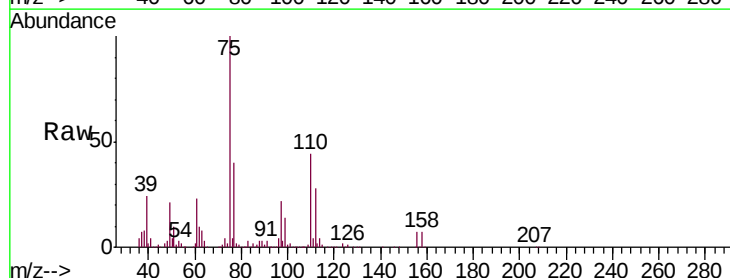
Acq: 18 Oct 2018 11:53

Tgt Ion: 75 Resp: 684158

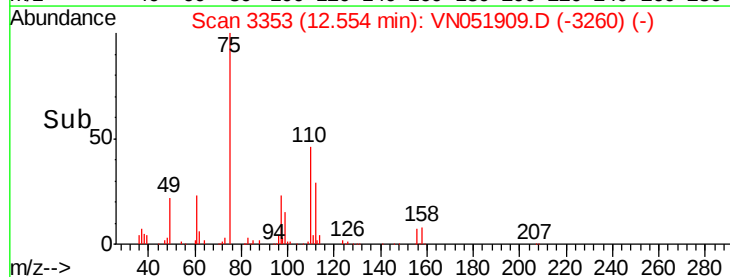
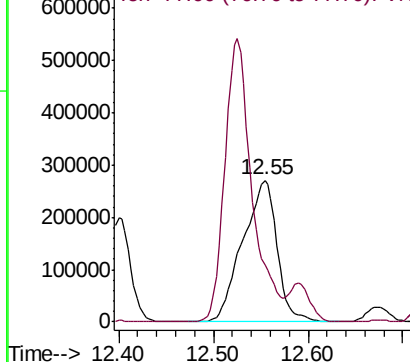
Ion Ratio Lower Upper

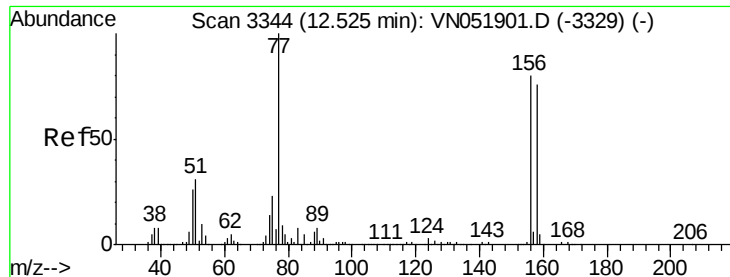
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.214 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

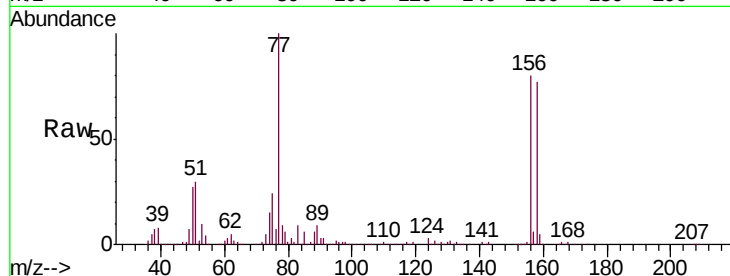
Tgt Ion:156 Resp: 739346

Ion Ratio Lower Upper

156 100

77 147.3 73.0 219.0

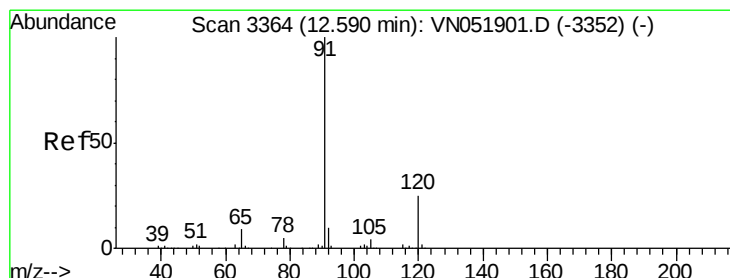
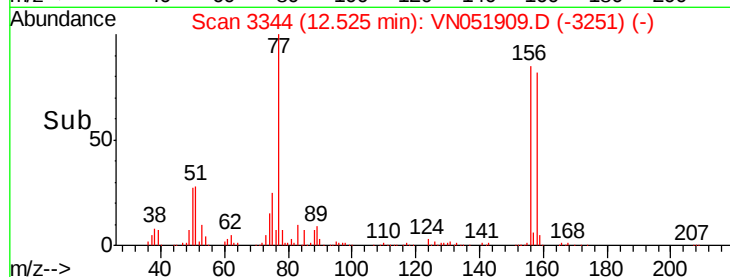
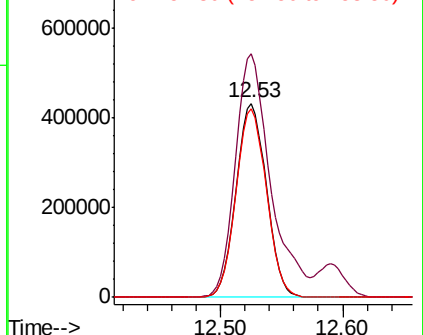
158 97.9 48.4 145.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.215 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051909.D

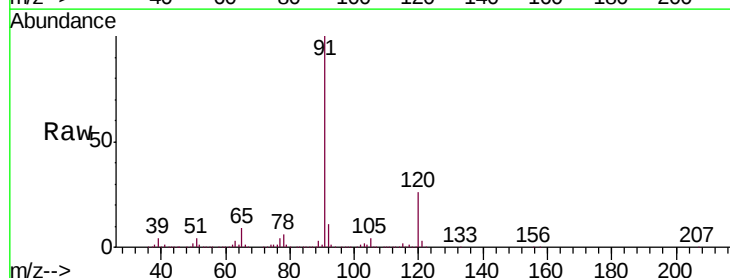
Acq: 18 Oct 2018 11:53

Tgt Ion: 91 Resp: 3152831

Ion Ratio Lower Upper

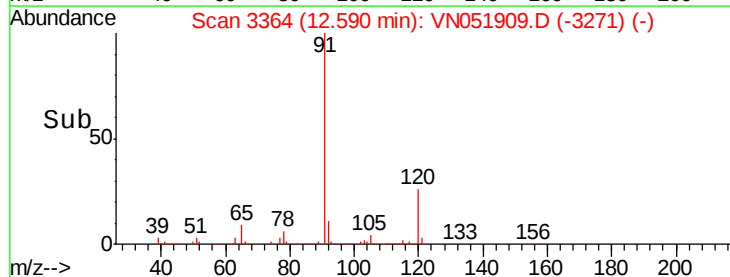
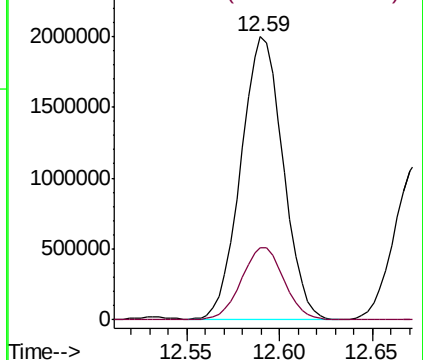
91 100

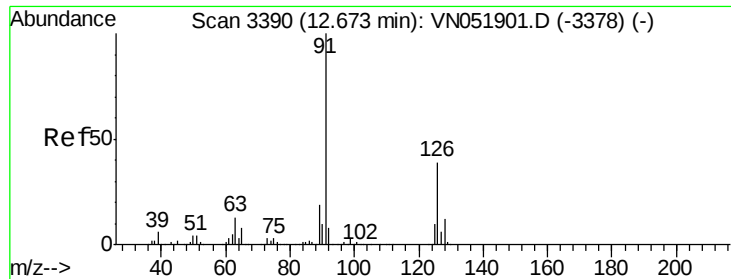
120 25.9 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.442 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

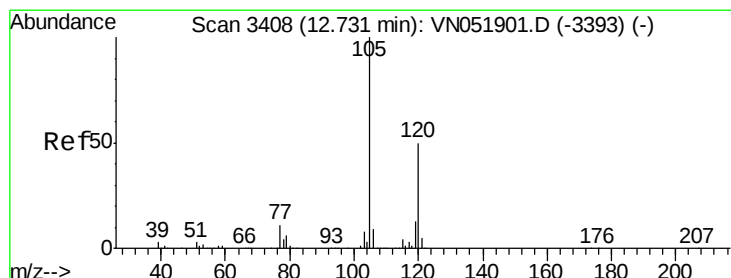
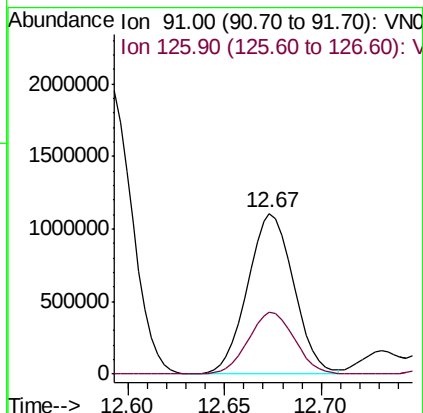
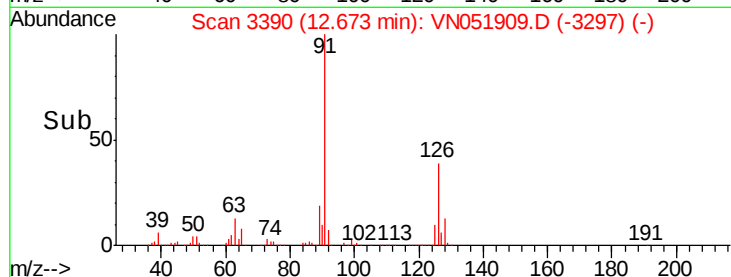
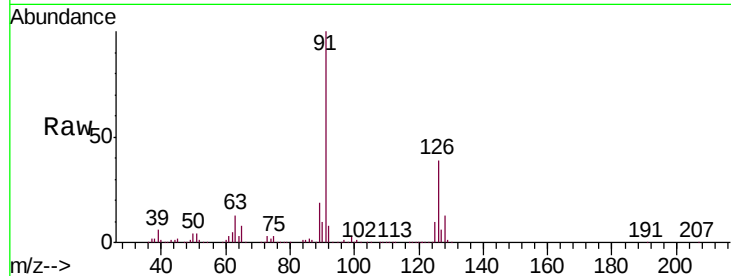
VSTDCCC050

Tgt Ion: 91 Resp: 1833998

Ion Ratio Lower Upper

91 100

126 38.8 19.6 58.7



#80

1,3,5-Trimethylbenzene

Concen: 48.919 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051909.D

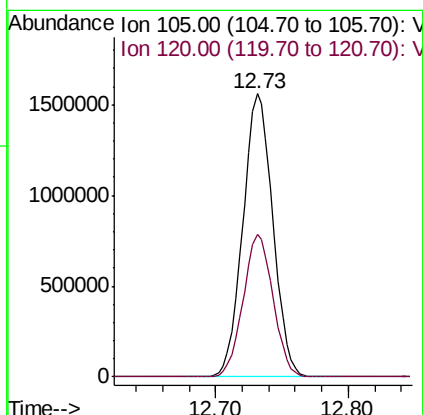
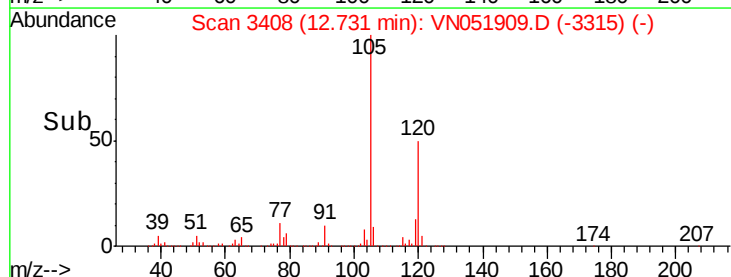
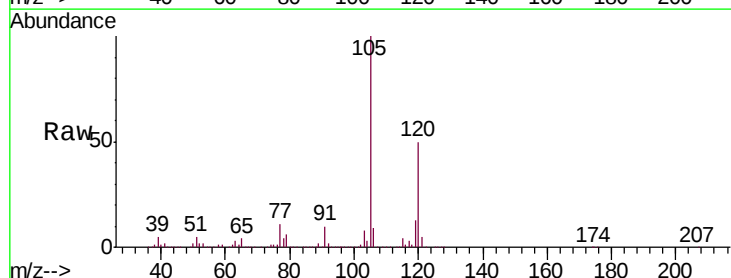
Acq: 18 Oct 2018 11:53

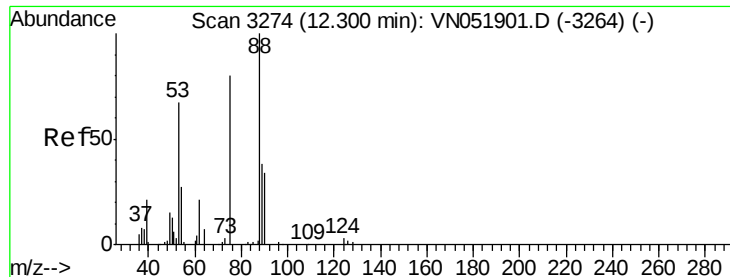
Tgt Ion: 105 Resp: 2433335

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 49.101 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

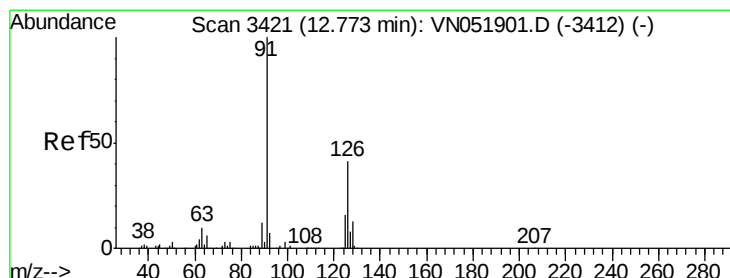
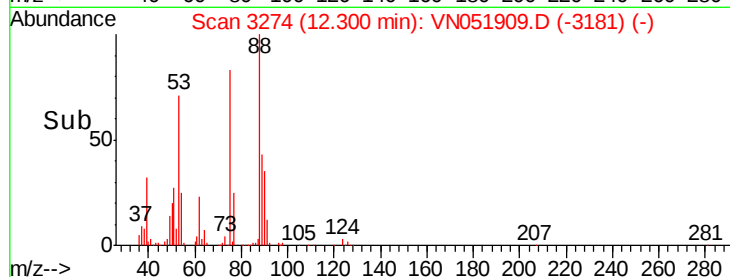
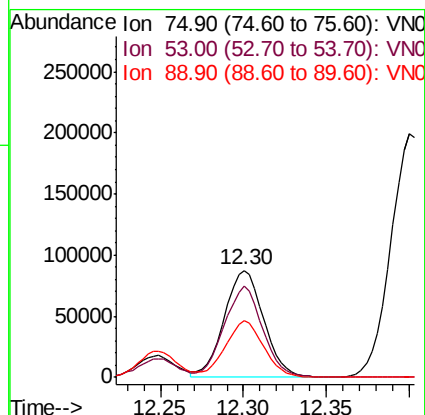
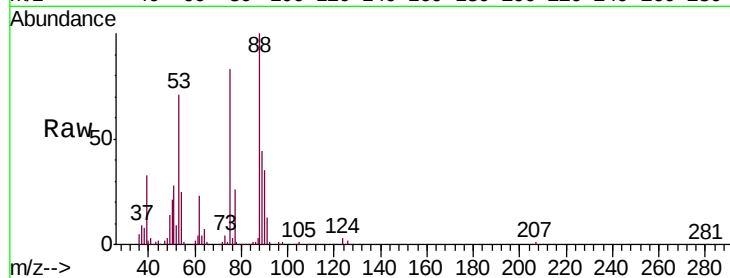
Tgt Ion: 75 Resp: 144007

Ion Ratio Lower Upper

75 100

53 84.4 68.5 102.7

89 51.7 39.0 58.6



#82

4-Chlorotoluene

Concen: 49.512 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051909.D

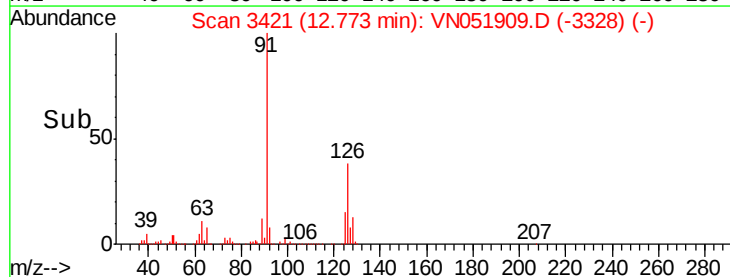
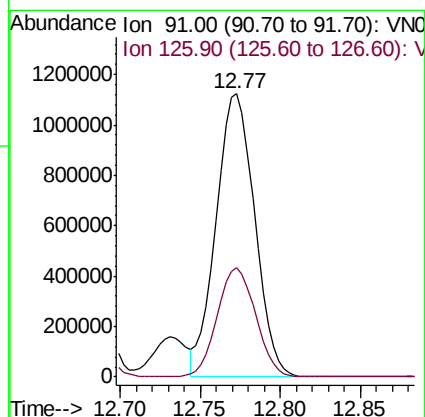
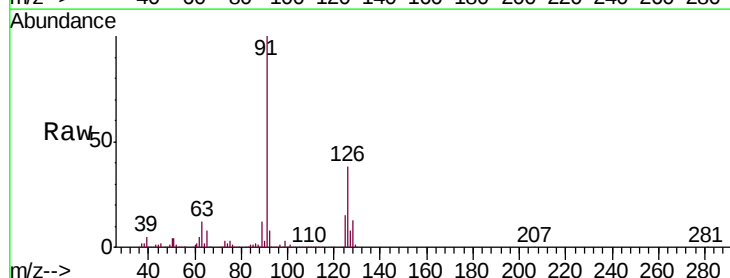
Acq: 18 Oct 2018 11:53

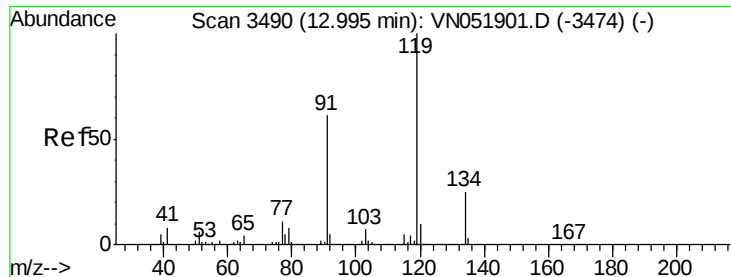
Tgt Ion: 91 Resp: 1853527

Ion Ratio Lower Upper

91 100

126 38.4 18.9 56.7

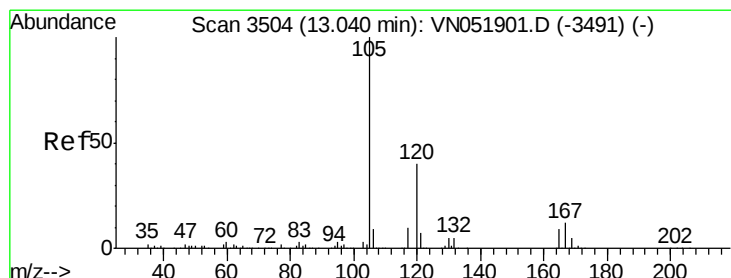
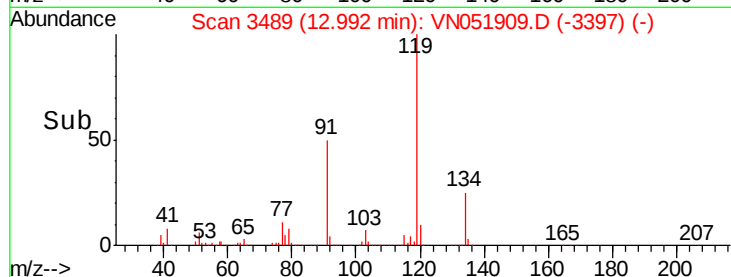
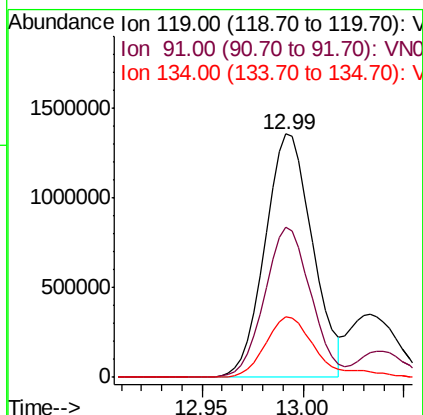
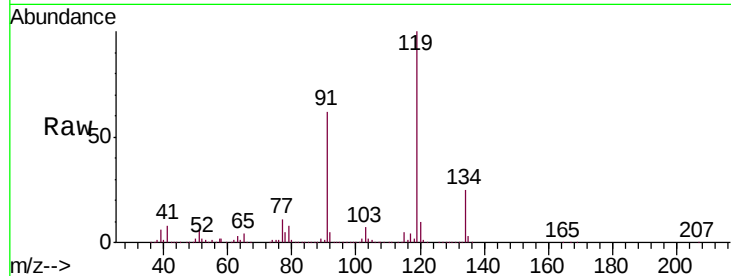




#83
 tert-Butylbenzene
 Concen: 47.479 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

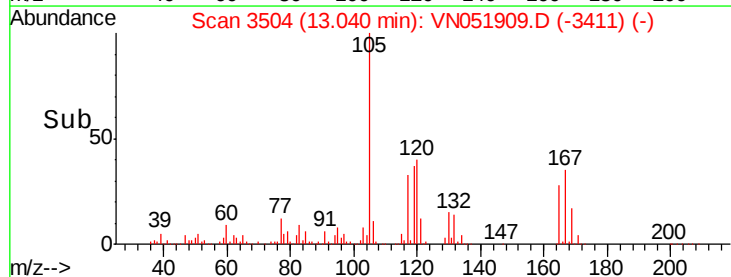
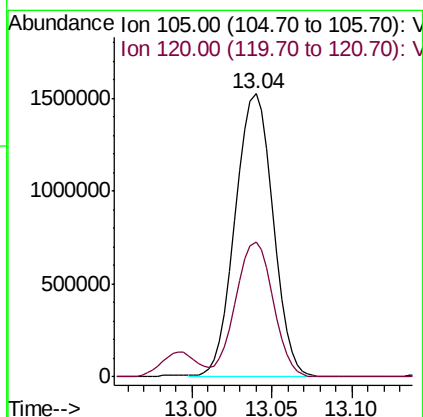
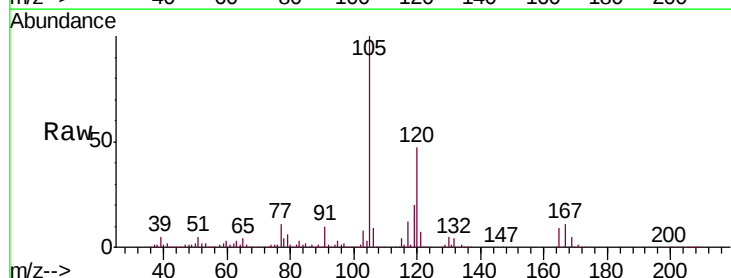
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

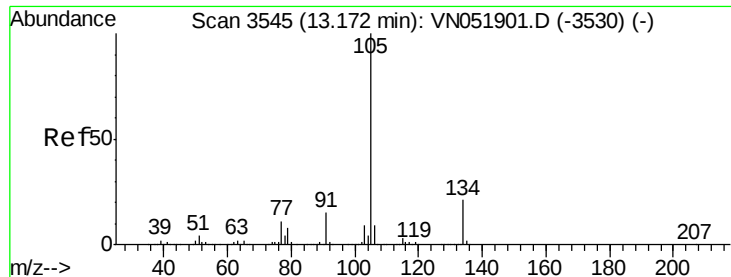
Tgt Ion:119 Resp: 2219384
 Ion Ratio Lower Upper
 119 100
 91 60.2 30.3 90.9
 134 26.8 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.323 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion:105 Resp: 2461222
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.8 71.4





#85

sec-Butylbenzene

Concen: 50.351 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

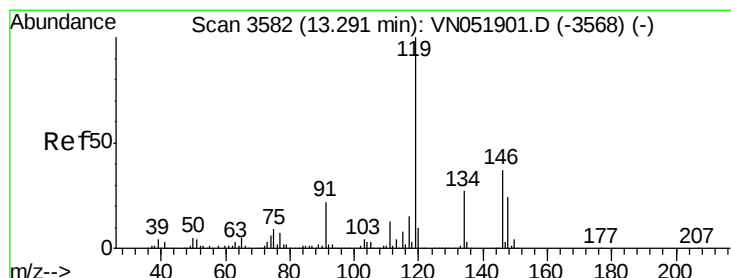
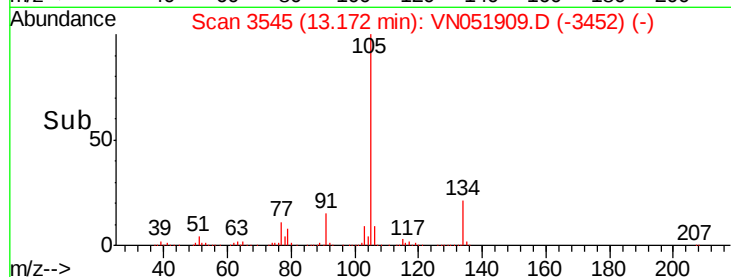
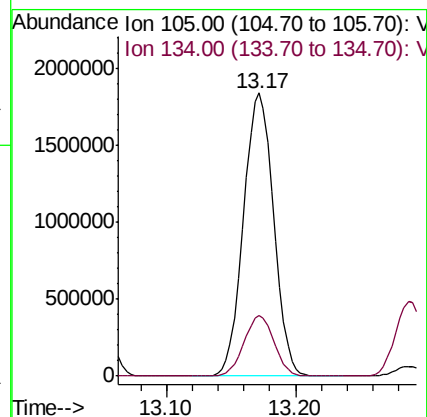
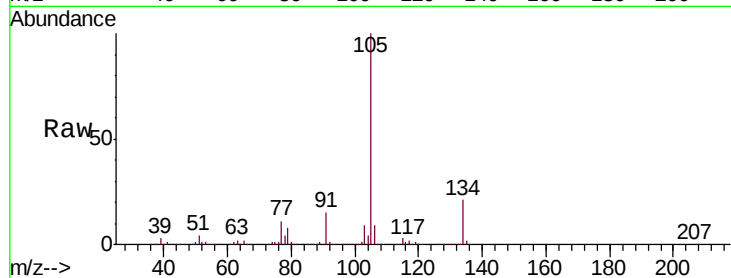
VSTDCCC050

Tgt Ion:105 Resp: 2992101

Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.3



#86

p-Isopropyltoluene

Concen: 52.684 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

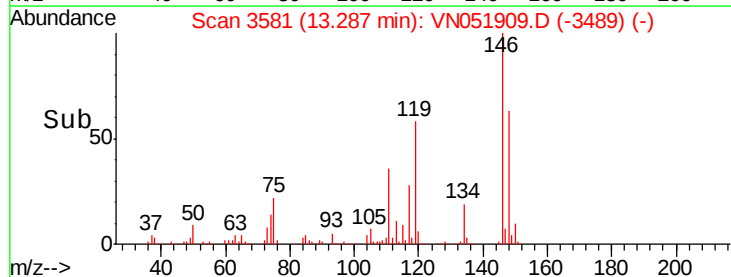
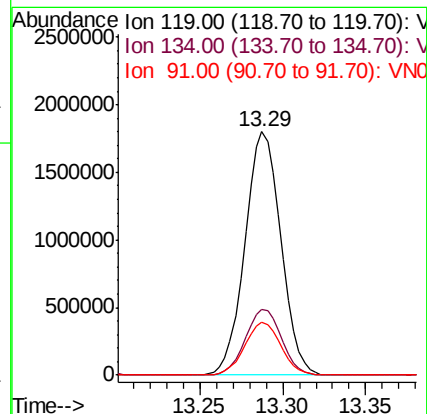
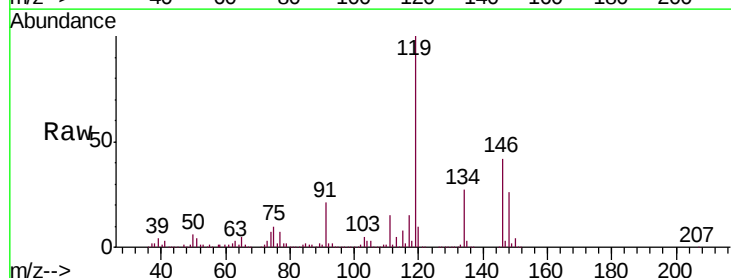
Tgt Ion:119 Resp: 2713425

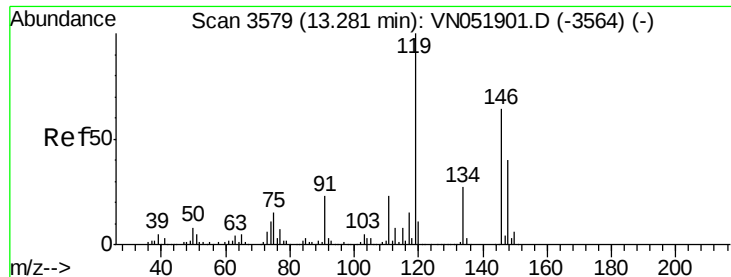
Ion Ratio Lower Upper

119 100

134 27.2 13.8 41.3

91 21.7 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 51.574 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

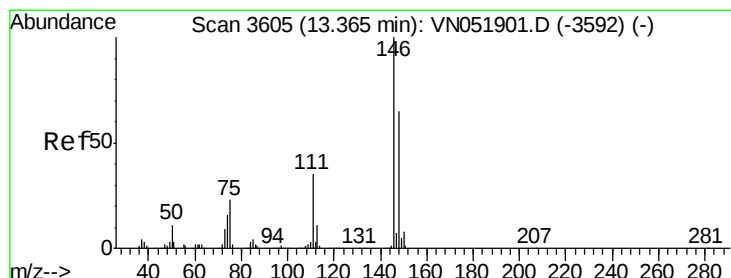
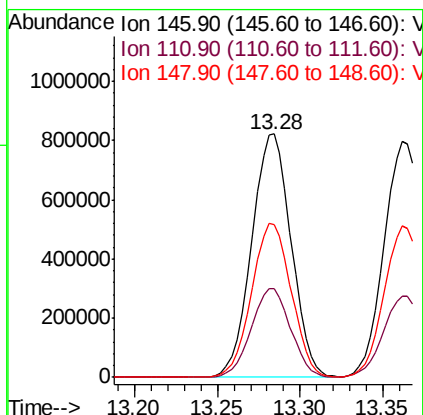
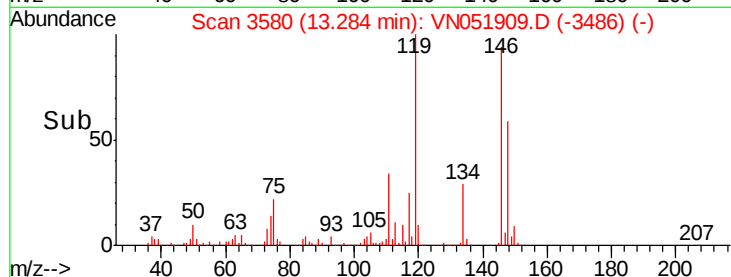
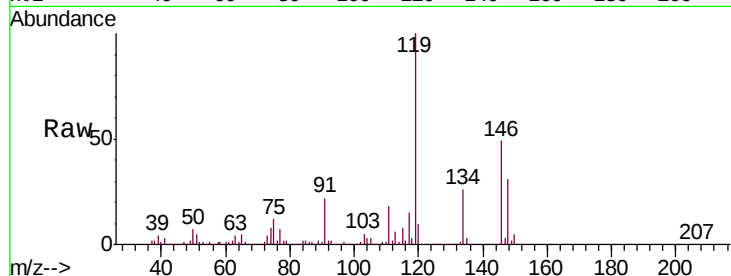
Tgt Ion:146 Resp: 1361195

Ion Ratio Lower Upper

146 100

111 36.3 18.3 54.8

148 63.5 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 51.177 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

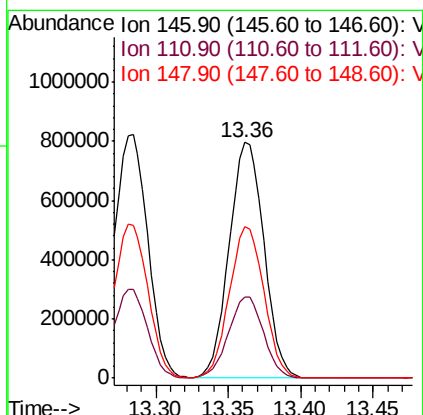
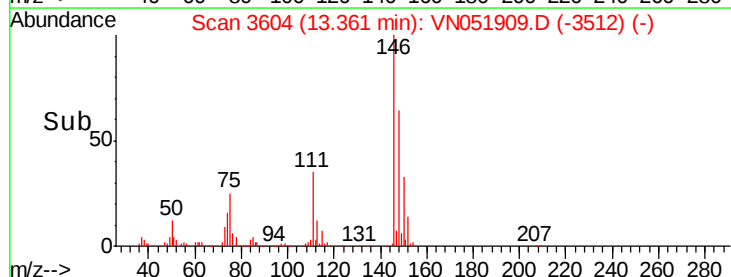
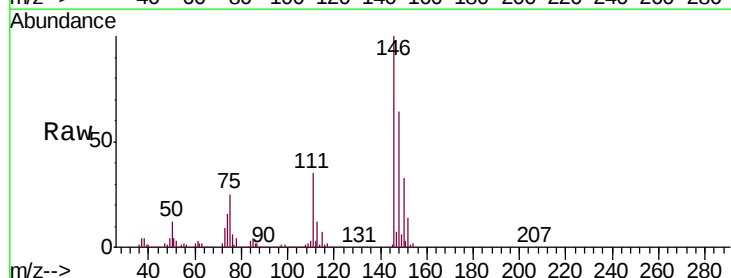
Tgt Ion:146 Resp: 1327503

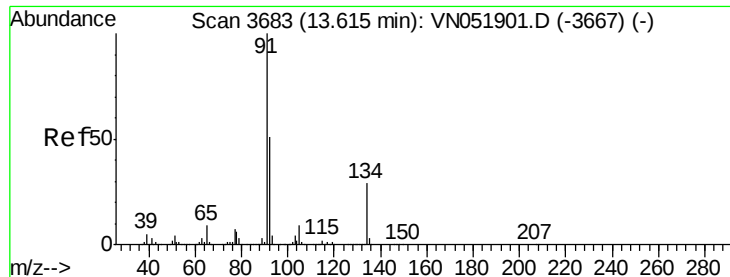
Ion Ratio Lower Upper

146 100

111 34.5 17.9 53.7

148 64.0 32.8 98.3





#89

n-Butylbenzene

Concen: 55.719 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

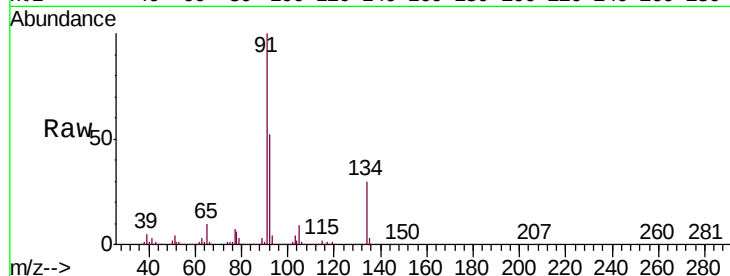
Tgt Ion: 91 Resp: 2081776

Ion Ratio Lower Upper

91 100

92 51.9 25.9 77.7

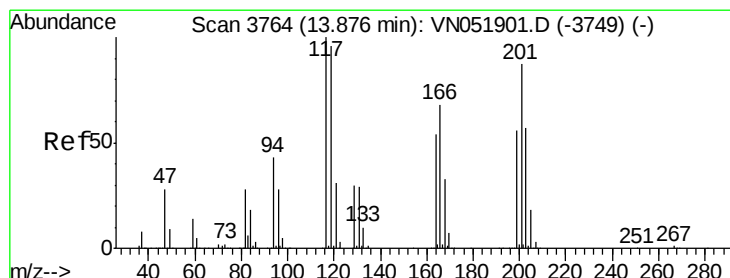
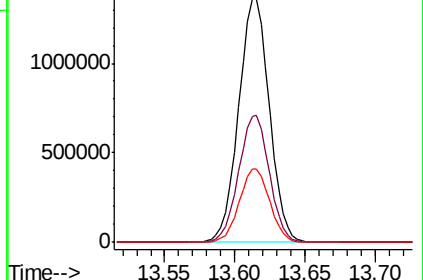
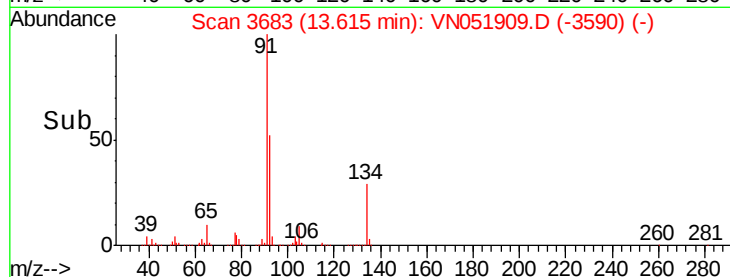
134 29.8 14.6 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN051909.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN051909.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN051909.D (-3667) (-)



#90

Hexachloroethane

Concen: 51.948 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051909.D

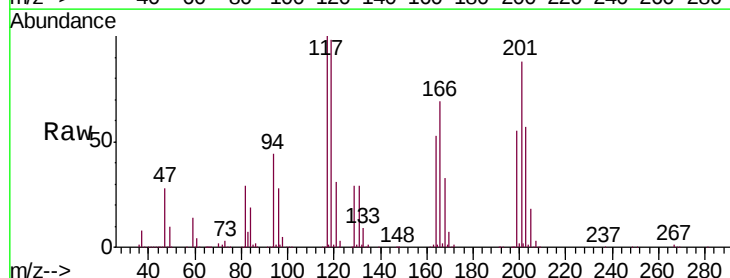
Acq: 18 Oct 2018 11:53

Tgt Ion: 117 Resp: 447495

Ion Ratio Lower Upper

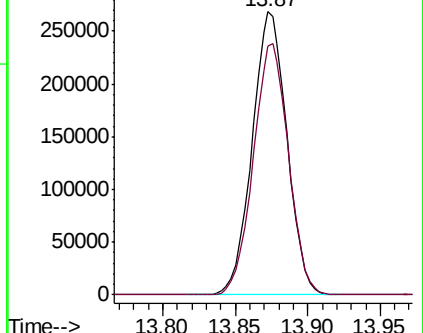
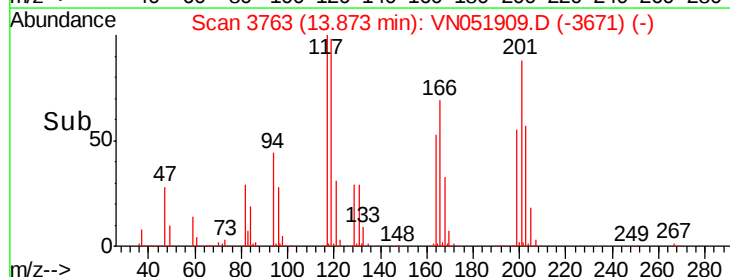
117 100

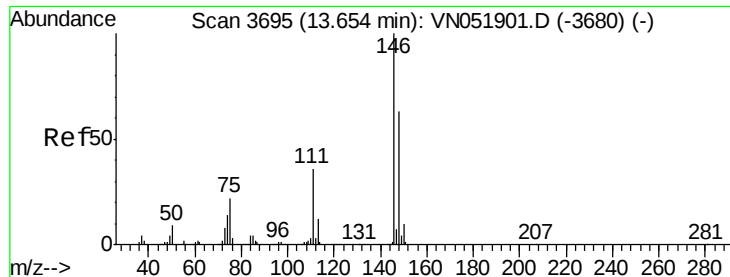
201 89.7 43.8 131.3



Abundance Ion 116.80 (116.50 to 117.50): VN051909.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051909.D (-3749) (-)

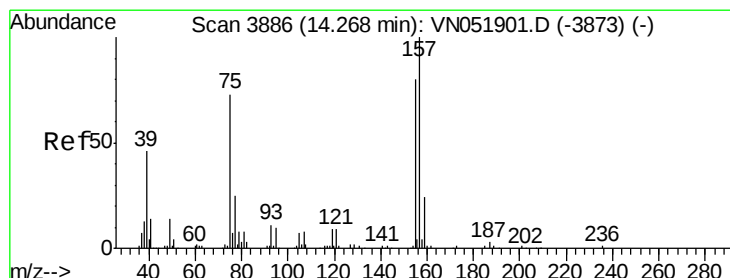
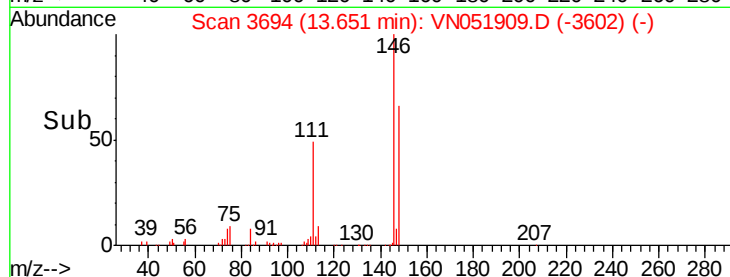
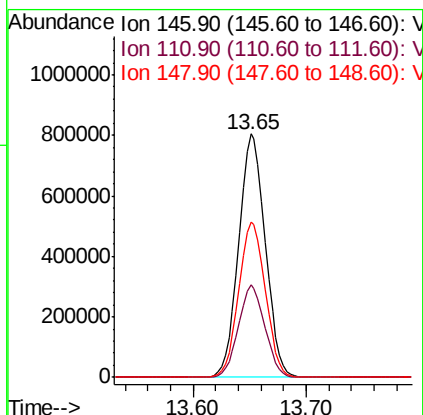
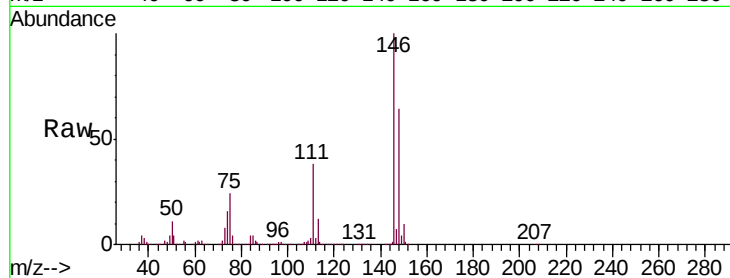




#91
 1,2-Dichlorobenzene
 Concen: 51.591 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

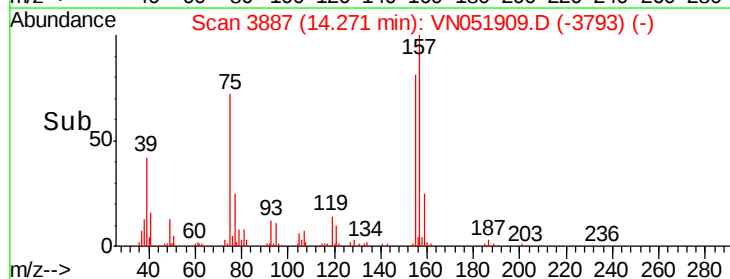
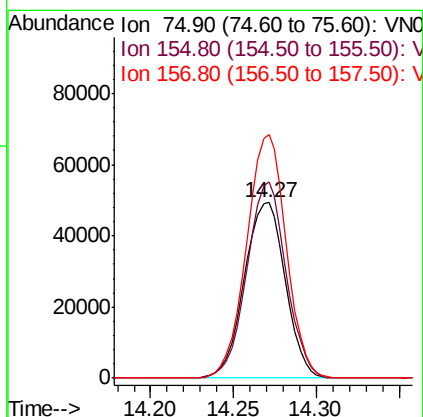
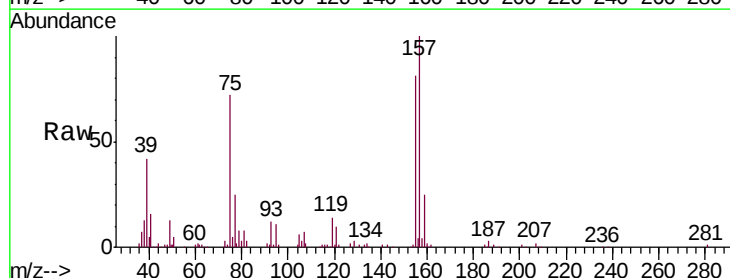
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

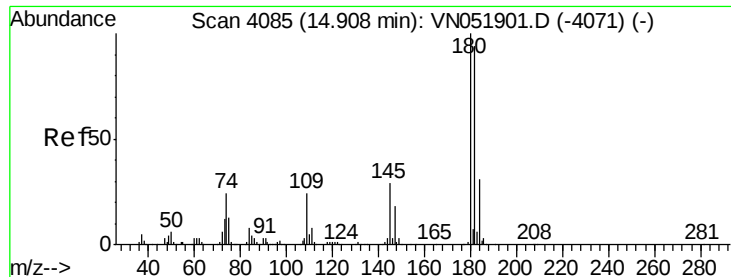
Tgt Ion:146 Resp: 1318662
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.6
 148 64.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.106 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion: 75 Resp: 85151
 Ion Ratio Lower Upper
 75 100
 155 106.9 53.4 160.2
 157 134.0 69.3 207.9

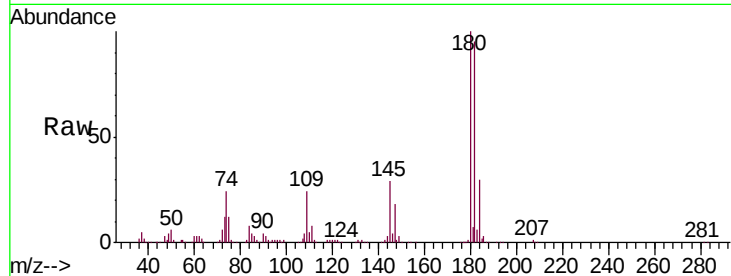




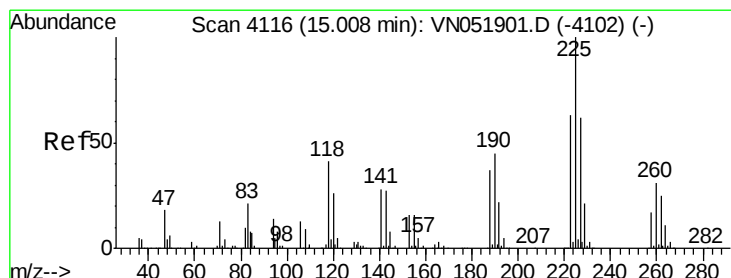
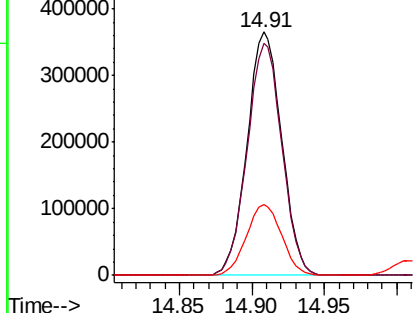
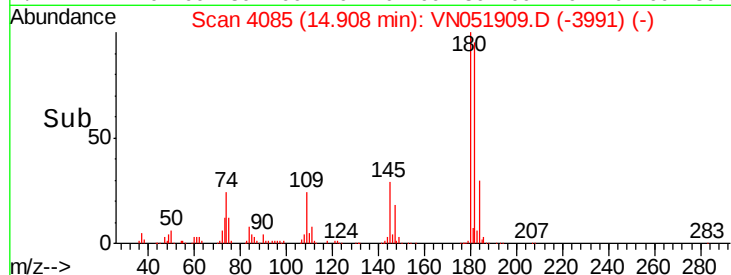
#93
 1,2,4-Trichlorobenzene
 Concen: 47.362 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 607279
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.3 141.9
 145 29.7 14.5 43.5

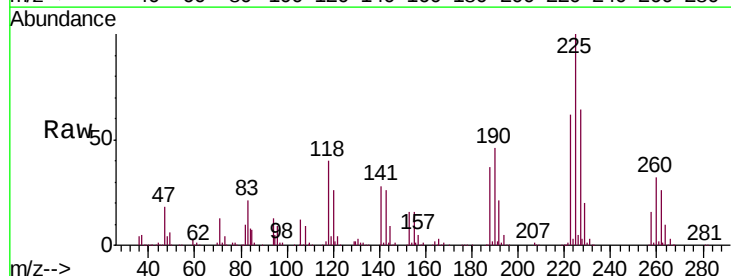


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

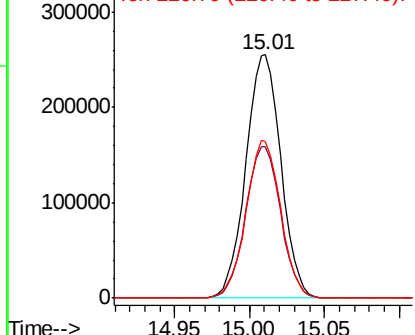
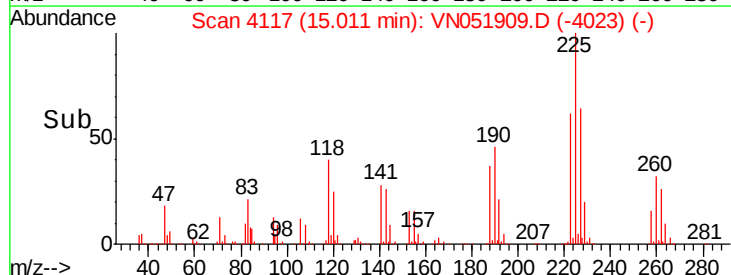


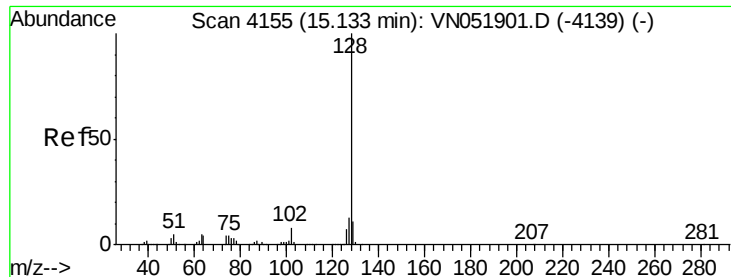
#94
 Hexachlorobutadiene
 Concen: 51.480 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051909.D
 Acq: 18 Oct 2018 11:53

Tgt Ion:225 Resp: 416663
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.0 96.2
 227 63.8 31.9 95.9



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





#95

Naphthalene

Concen: 45.029 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

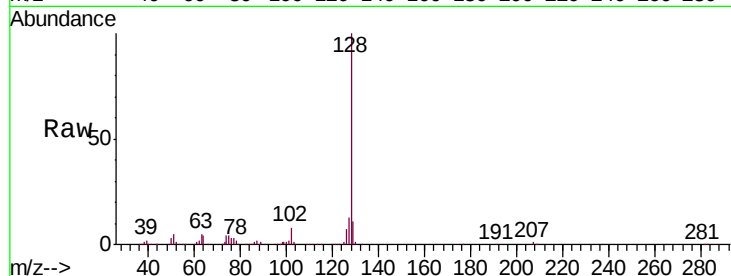
Tgt Ion:128 Resp: 1160561

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

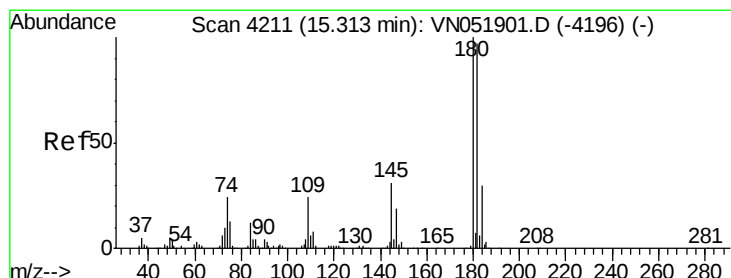
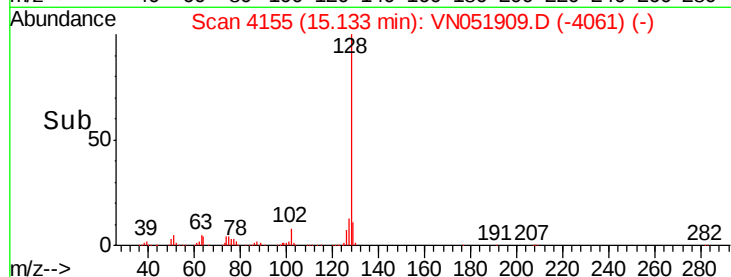
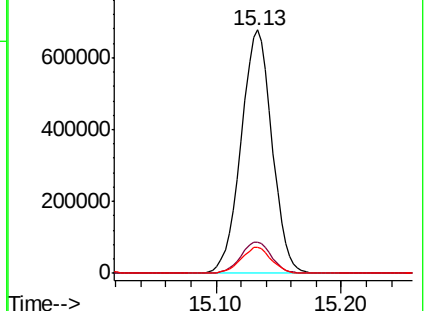
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.722 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051909.D

Acq: 18 Oct 2018 11:53

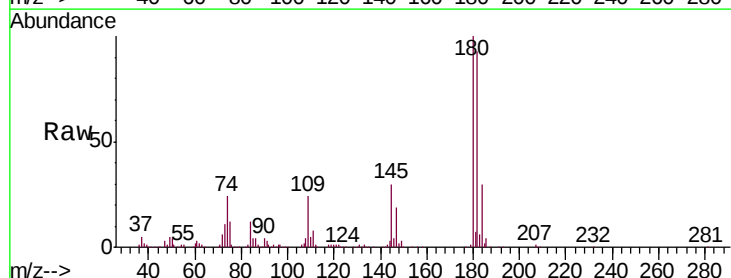
Tgt Ion:180 Resp: 589615

Ion Ratio Lower Upper

180 100

182 94.0 47.9 143.8

145 30.9 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

