

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100818\
 Data File : VN051719.D
 Acq On : 8 Oct 2018 8:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 09 03:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	672249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1007429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	562818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	438655	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	394186	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.09	98	1535996	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	12.40	95	562123	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	417604	49.679	ug/l	100
3) Chloromethane	2.06	50	366968	47.833	ug/l	99
4) Vinyl Chloride	2.18	62	563909	46.662	ug/l	99
5) Bromomethane	2.56	94	388567	41.810	ug/l	99
6) Chloroethane	2.70	64	371428	45.730	ug/l	100
7) Trichlorofluoromethane	3.01	101	682556	54.368	ug/l	98
8) Diethyl Ether	3.41	74	171838	48.795	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345150	51.385	ug/l	99
10) Methyl Iodide	3.95	142	390715	44.275	ug/l	99
11) Tert butyl alcohol	4.79	59	136915	226.851	ug/l	97
12) 1,1-Dichloroethene	3.73	96	305587	48.812	ug/l	97
13) Acrolein	3.61	56	73850	195.855	ug/l	98
14) Allyl chloride	4.32	41	452211	47.360	ug/l	98
15) Acrylonitrile	4.99	53	488178	234.396	ug/l	99
16) Acetone	3.81	43	416267	282.600	ug/l	100
17) Carbon Disulfide	4.05	76	874751	45.968	ug/l	99
18) Methyl Acetate	4.33	43	244154	49.809	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	974679	47.167	ug/l	99
20) Methylene Chloride	4.55	84	345879	47.338	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	349621	47.127	ug/l	97
22) Diisopropyl ether	5.95	45	962969	47.047	ug/l	98
23) Vinyl Acetate	5.90	43	3508757	233.143	ug/l	99
24) 1,1-Dichloroethane	5.85	63	620328	47.124	ug/l	99
25) 2-Butanone	6.84	43	619984	241.764	ug/l	100
26) 2,2-Dichloropropane	6.82	77	646179	48.984	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	411166	47.743	ug/l	97
28) Bromochloromethane	7.19	49	260247	44.656	ug/l	95
29) Tetrahydrofuran	7.21	42	371462	236.043	ug/l	98
30) Chloroform	7.37	83	706993	47.802	ug/l	96
31) Cyclohexane	7.65	56	561098	46.543	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	692646	48.316	ug/l	98
36) 1,1-Dichloropropene	7.79	75	524836	49.841	ug/l	99
37) Ethyl Acetate	6.93	43	273144	49.735	ug/l	99
38) Carbon Tetrachloride	7.77	117	638764	50.553	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	697704	52.784	ug/l	98
40) Benzene	8.04	78	1577011	50.519	ug/l	99
41) Methacrylonitrile	7.21	41	384313	136.331	ug/l #	13
42) 1,2-Dichloroethane	8.12	62	521080	49.532	ug/l	100
43) Isopropyl Acetate	8.16	43	561386	49.028	ug/l #	87
44) Trichloroethene	8.83	130	453254	51.137	ug/l	99
45) 1,2-Dichloropropane	9.12	63	380214	49.264	ug/l	99
46) Dibromomethane	9.21	93	269687	50.272	ug/l	100
47) Bromodichloromethane	9.40	83	596890	50.544	ug/l	98
48) Methyl methacrylate	9.20	41	251810	48.127	ug/l	98
49) 1,4-Dioxane	9.20	88	76178	970.978	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1433019	246.978	ug/l	99
52) Toluene	10.16	92	1106697	53.304	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	624036	51.211	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	651376	50.338	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	382019	51.651	ug/l	99
56) Ethyl methacrylate	10.43	69	486826	52.049	ug/l	96
57) 1,3-Dichloropropane	10.71	76	600743	51.320	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1014032	261.957	ug/l	98
59) 2-Hexanone	10.75	43	994456	252.370	ug/l	100
60) Dibromochloromethane	10.90	129	514635	53.170	ug/l	99
61) 1,2-Dibromoethane	11.00	107	405560	51.870	ug/l	98
64) Tetrachloroethene	10.63	164	453727	51.587	ug/l	98
65) Chlorobenzene	11.43	112	1244581	50.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	502188	50.797	ug/l	99
67) Ethyl Benzene	11.51	91	2177662	51.028	ug/l	99
68) m/p-Xylenes	11.62	106	1773733	103.877	ug/l	99
69) o-Xylene	11.95	106	863863	51.587	ug/l	99
70) Styrene	11.96	104	1370543	51.363	ug/l	99
71) Bromoform	12.13	173	369173	50.205	ug/l	98
73) Isopropylbenzene	12.25	105	2332908	48.626	ug/l	100
74) N-amyl acetate	12.07	43	473168	47.558	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	469270	50.485	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	595682	88.326	ug/l #	100
77) Bromobenzene	12.53	156	570829	48.660	ug/l	96
78) n-propylbenzene	12.59	91	2560591	48.933	ug/l	100
79) 2-Chlorotoluene	12.67	91	1493040	48.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1979493	48.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	142445	46.523	ug/l	100
82) 4-Chlorotoluene	12.77	91	1504791	48.571	ug/l	98
83) tert-Butylbenzene	12.99	119	1778875	49.101	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2006882	49.555	ug/l	99
85) sec-Butylbenzene	13.17	105	2409835	50.286	ug/l	100
86) p-Isopropyltoluene	13.29	119	2159459	50.830	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1054413	51.583	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1018039	50.598	ug/l	100
89) n-Butylbenzene	13.62	91	1728320	51.452	ug/l	100
90) Hexachloroethane	13.87	117	423715	49.988	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1020951	50.242	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79331	47.071	ug/l	98

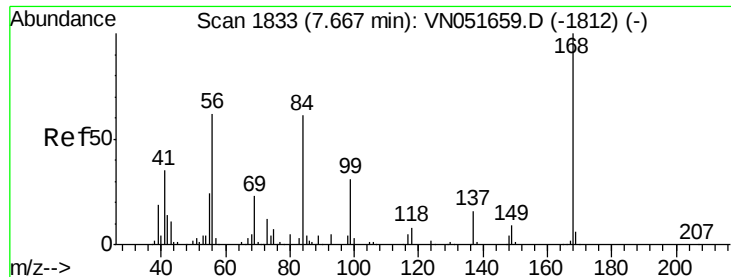
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	470179	51.998	ug/l	100
94) Hexachlorobutadiene	15.01	225	310199	50.562	ug/l	99
95) Naphthalene	15.13	128	926341	47.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	444649	49.930	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

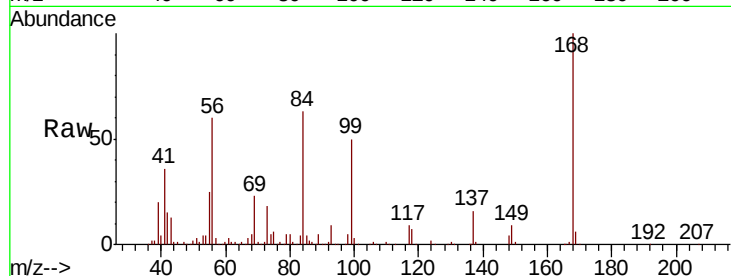
VSTDCCC050

Tot Ion:168 Resp: 672249

Ion Ratio Lower Upper

168 100

99 50.1 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

250000

200000

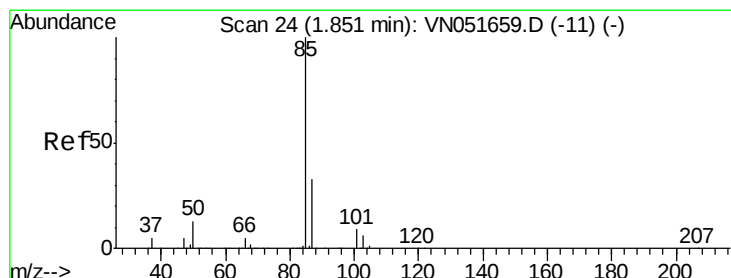
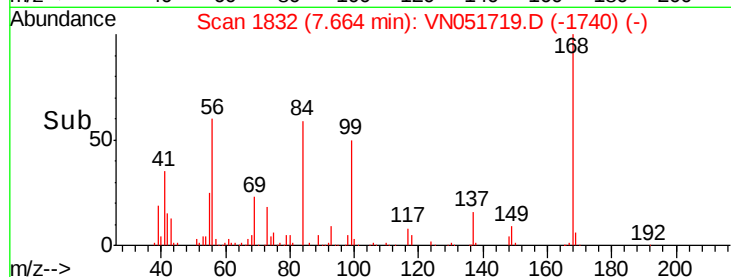
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.679 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051719.D

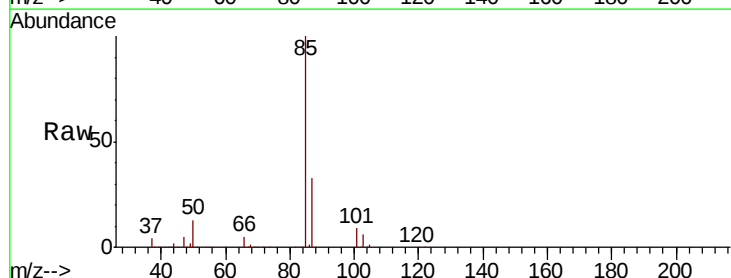
Acq: 8 Oct 2018 8:18

Tgt Ion: 85 Resp: 417604

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

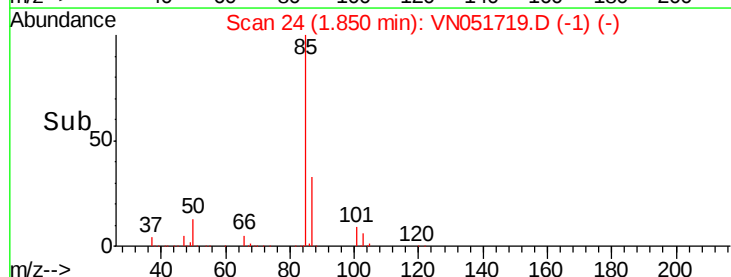
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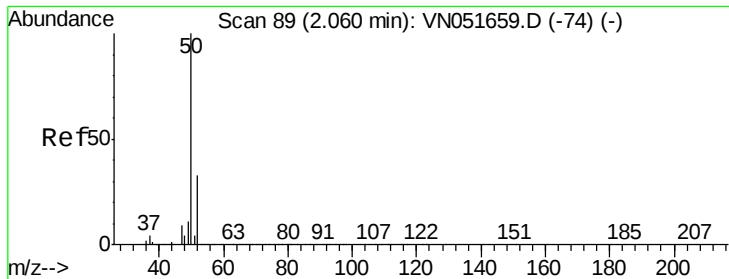
200000

100000

0

Time-->





#3

Chloromethane

Concen: 47.833 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

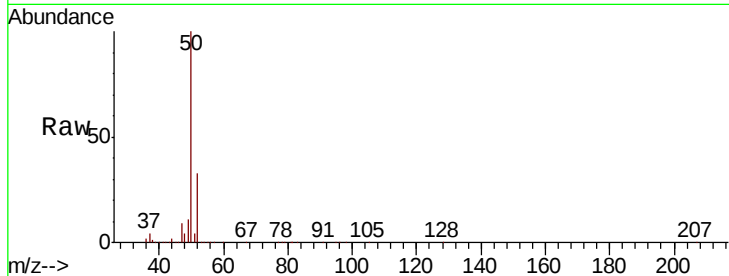
VSTDCCC050

Tot Ion: 50 Resp: 366968

Ion Ratio Lower Upper

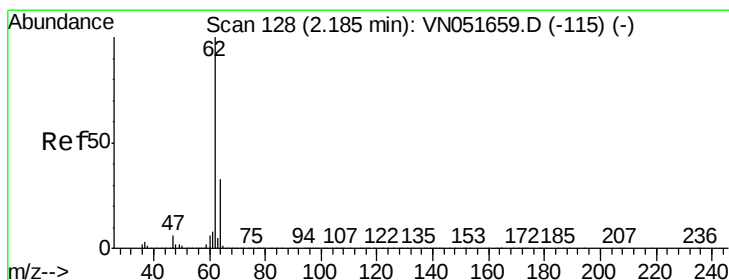
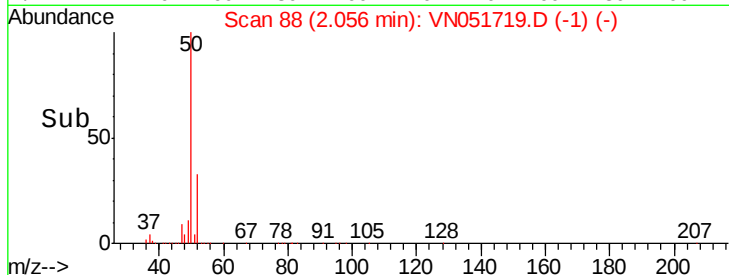
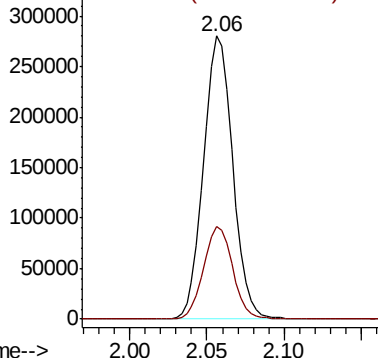
50 100

52 32.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.662 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051719.D

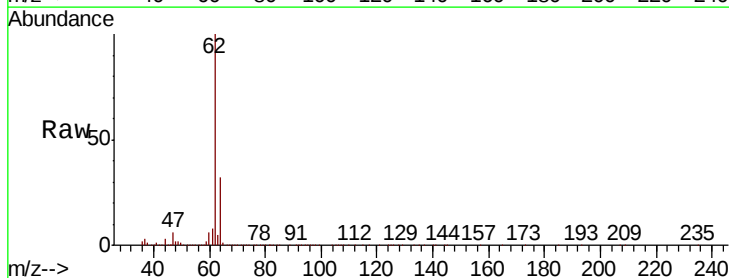
Acq: 8 Oct 2018 8:18

Tgt Ion: 62 Resp: 563909

Ion Ratio Lower Upper

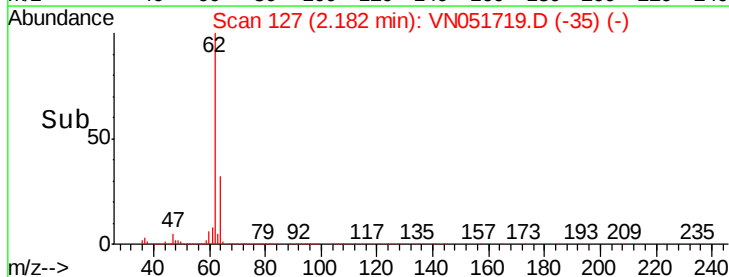
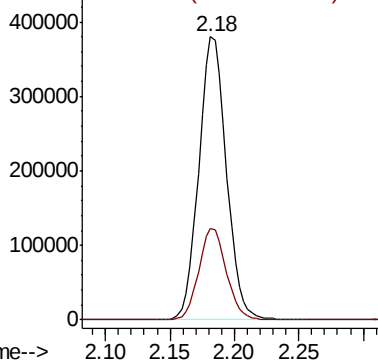
62 100

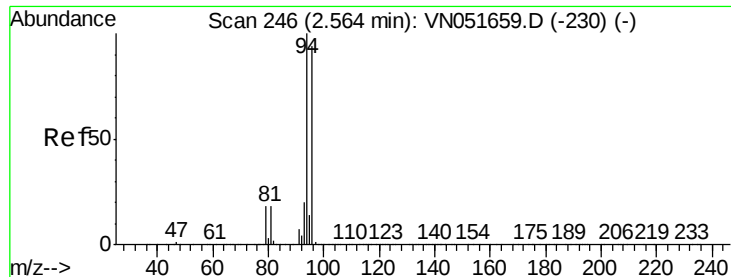
64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 41.810 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

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ClientSampleId :

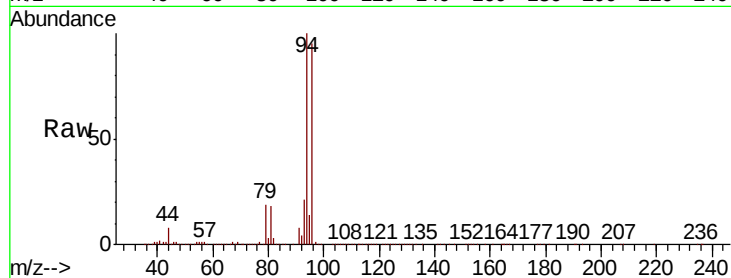
VSTDCCC050

Tot Ion: 94 Resp: 388567

Ion Ratio Lower Upper

94 100

96 95.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

200000

150000

100000

50000

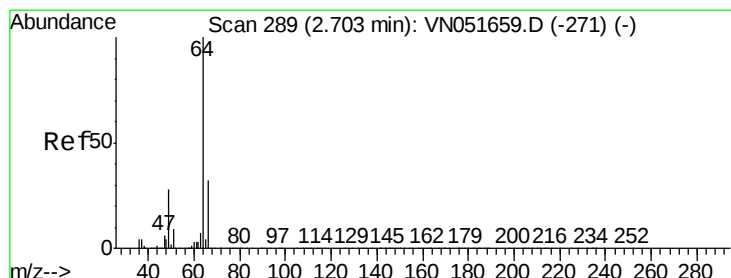
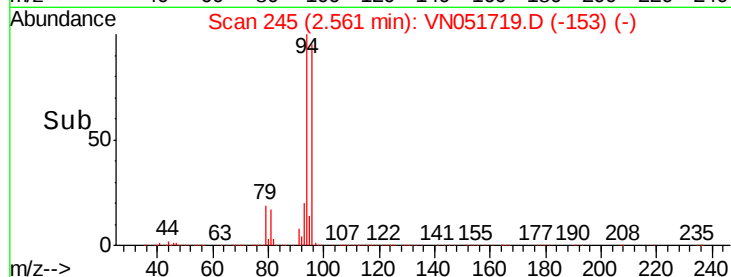
0

2.50

2.56

2.60

Time-->



#6

Chloroethane

Concen: 45.730 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051719.D

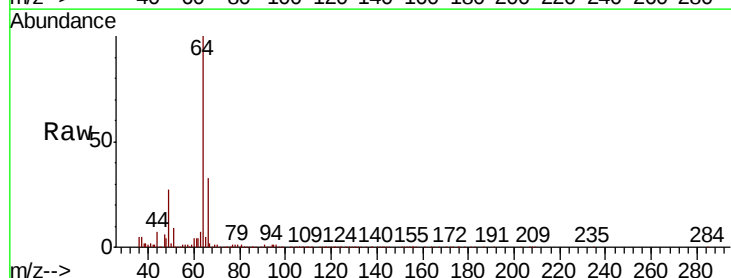
Acq: 8 Oct 2018 8:18

Tgt Ion: 64 Resp: 371428

Ion Ratio Lower Upper

64 100

66 32.7 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

200000

150000

100000

50000

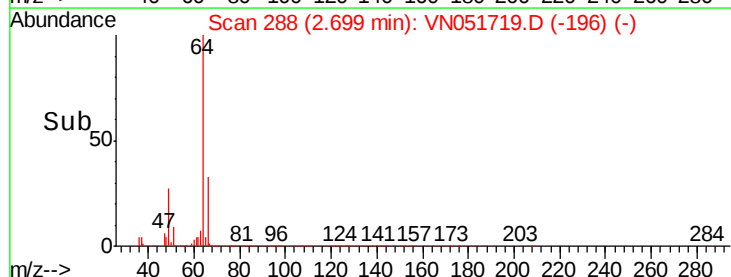
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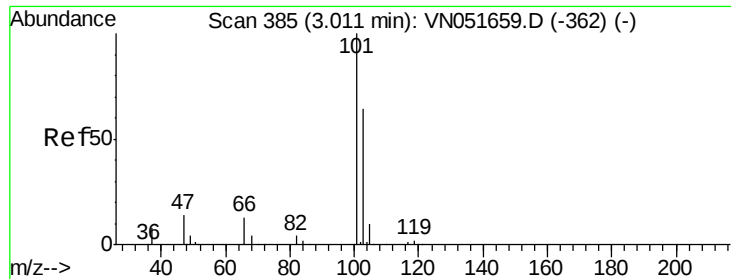
2.60

2.70

2.80

Time-->



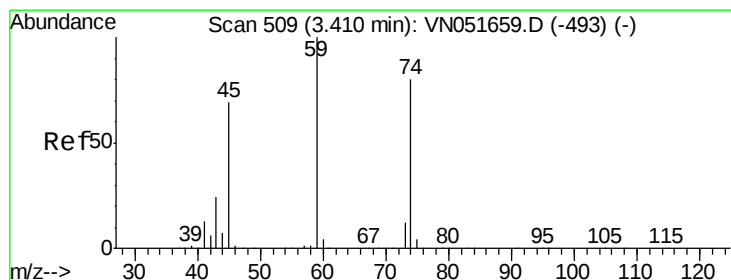
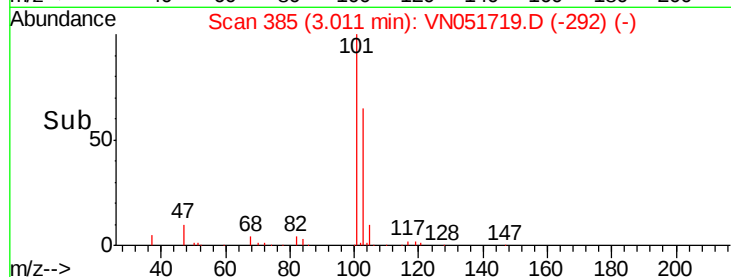
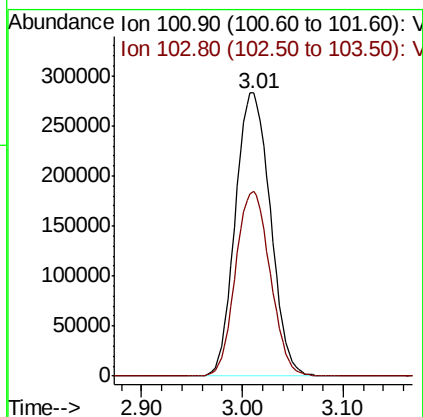
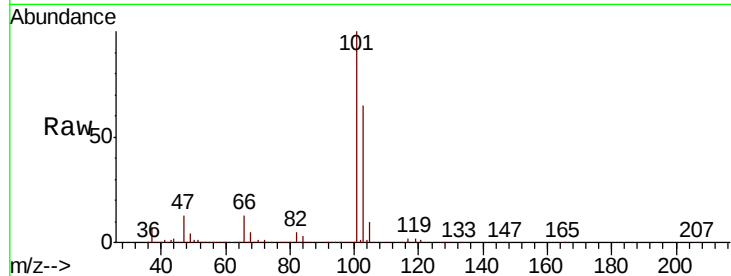


#7

Trichlorofluoromethane
 Concen: 54.368 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

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 VSTDCCC050

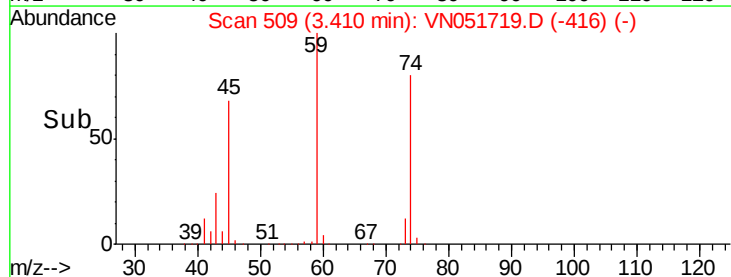
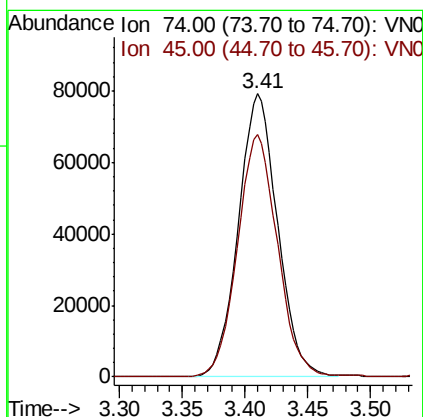
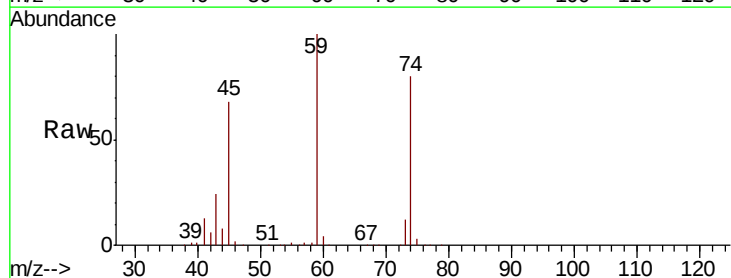
Tot Ion:101 Resp: 682556
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.1 76.7

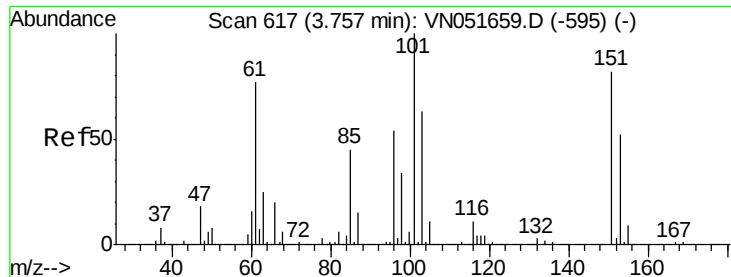


#8

Diethyl Ether
 Concen: 48.795 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 74 Resp: 171838
 Ion Ratio Lower Upper
 74 100
 45 87.4 44.3 132.9

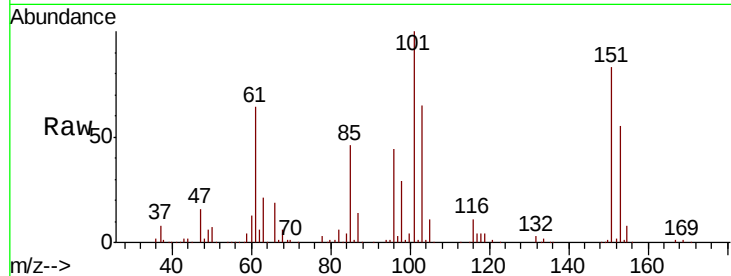




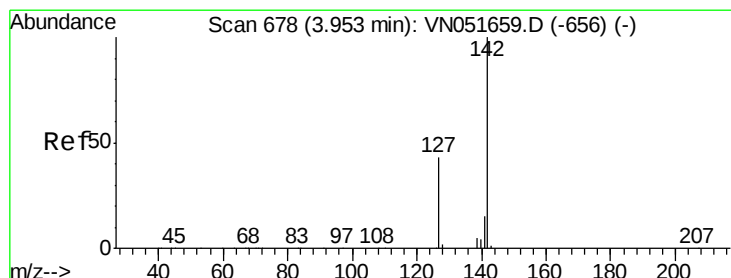
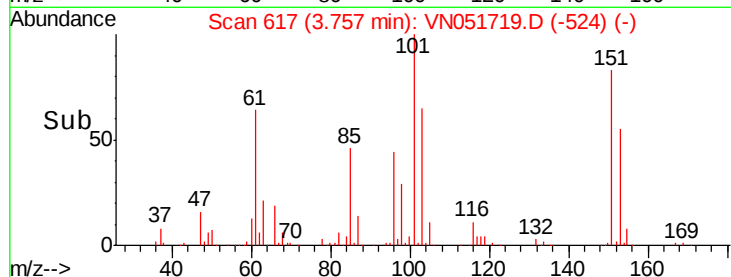
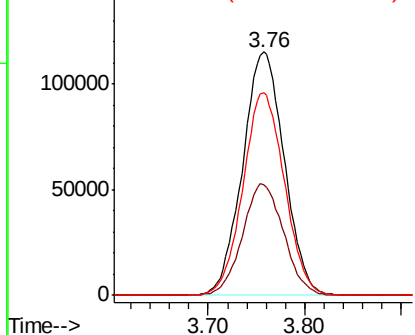
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.385 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 345150
 Ion Ratio Lower Upper
 101 100
 85 45.2 35.6 53.4
 151 82.9 65.5 98.3

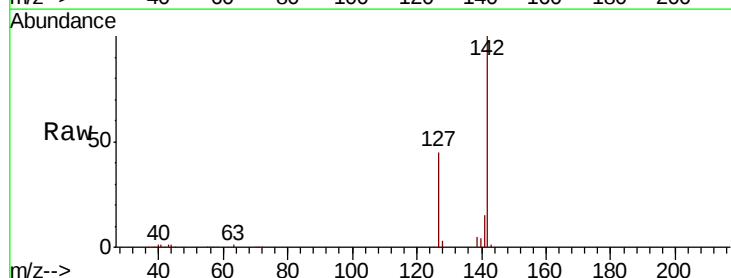


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

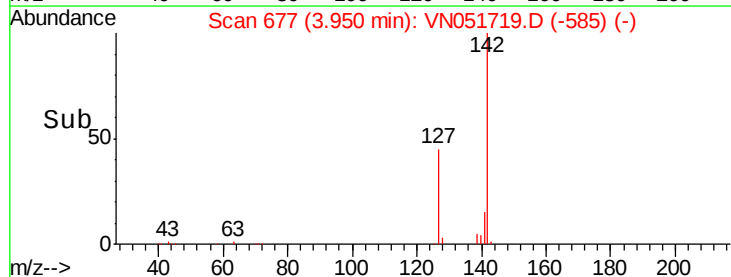
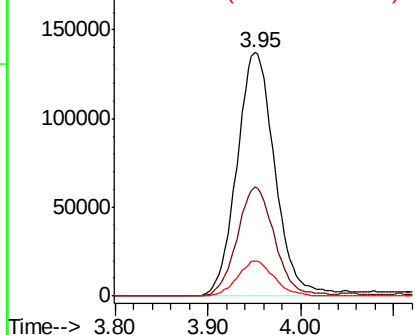


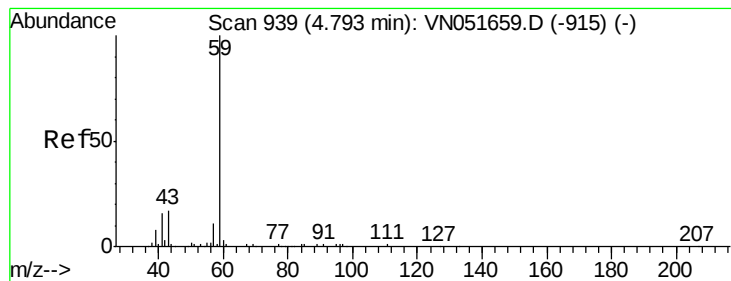
#10
 Methyl Iodide
 Concen: 44.275 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion:142 Resp: 390715
 Ion Ratio Lower Upper
 142 100
 127 44.1 34.7 52.1
 141 13.9 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



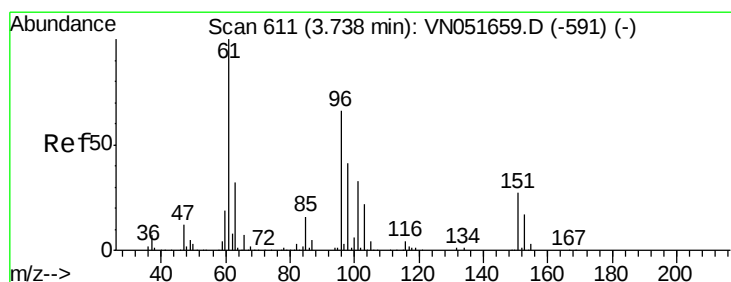
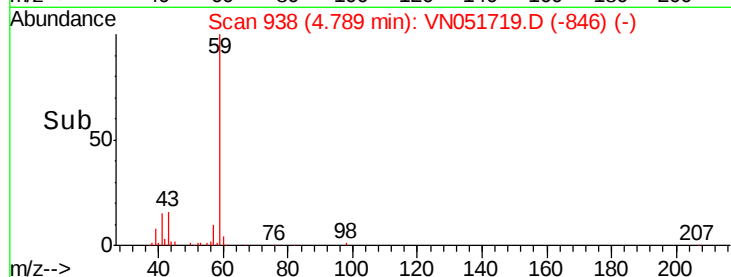
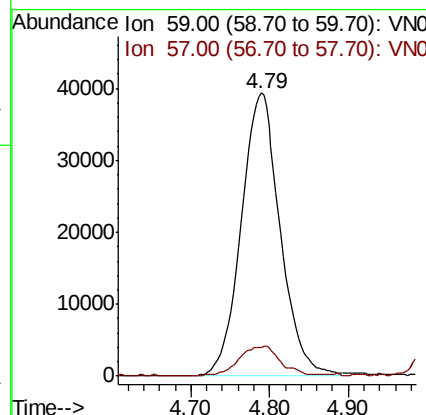
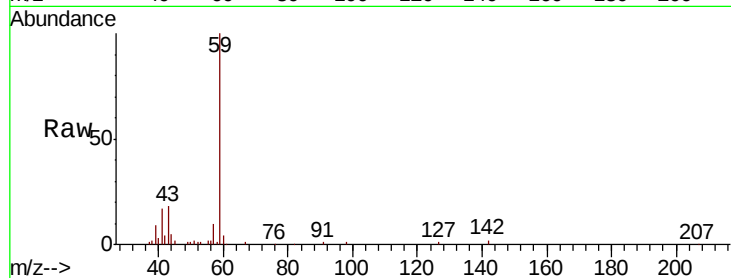


#11

Tert butyl alcohol
 Concen: 226.851 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

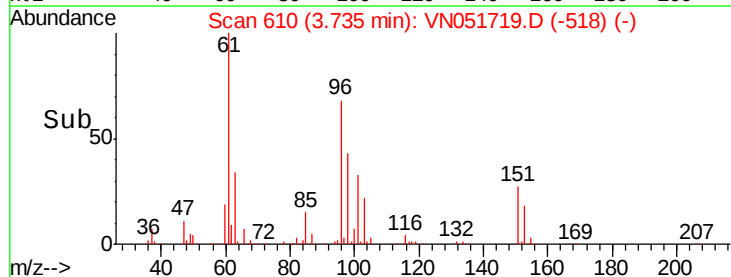
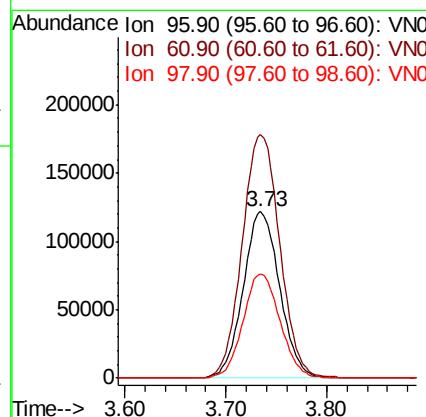
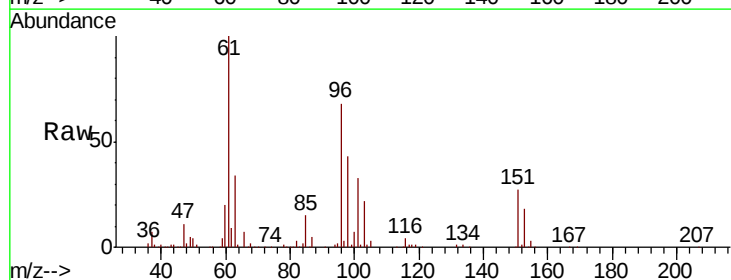
Tot Ion: 59 Resp: 136915
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.1 12.1

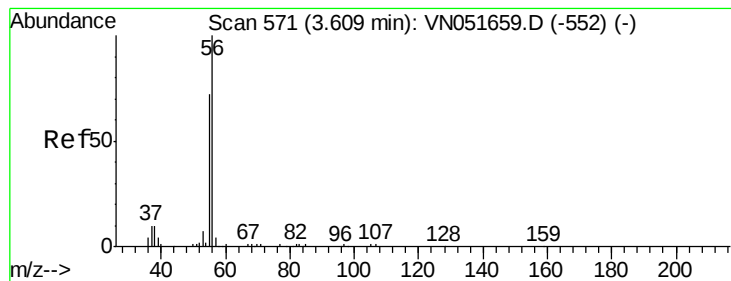


#12

1,1-Dichloroethene
 Concen: 48.812 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 96 Resp: 305587
 Ion Ratio Lower Upper
 96 100
 61 146.3 121.4 182.0
 98 62.8 49.9 74.9





#13

Acrolein

Concen: 195.855 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

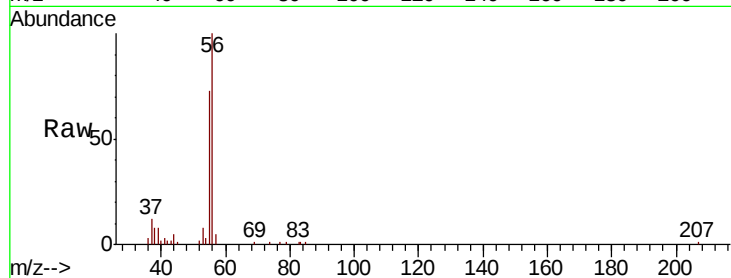
VSTDCCC050

Tot Ion: 56 Resp: 73850

Ion Ratio Lower Upper

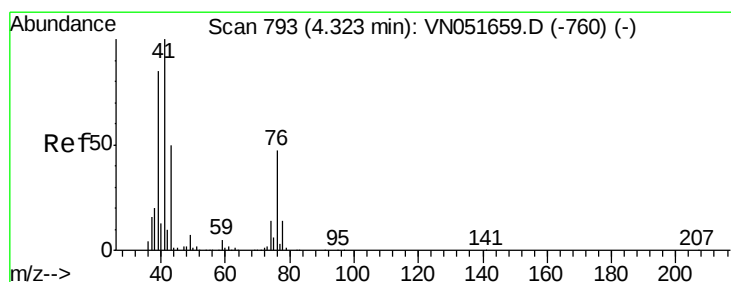
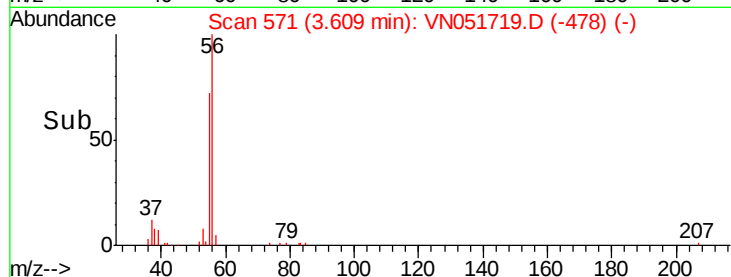
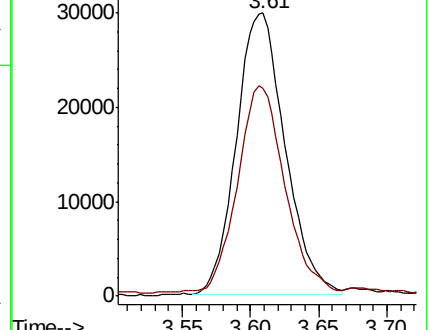
56 100

55 70.6 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VN051719.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN051719.D (-552) (-)



#14

Allyl chloride

Concen: 47.360 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

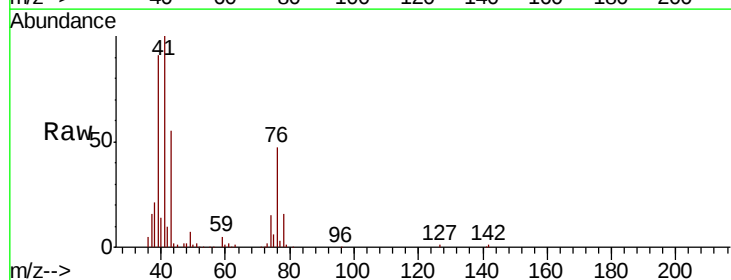
Tgt Ion: 41 Resp: 452211

Ion Ratio Lower Upper

41 100

39 84.2 65.4 98.0

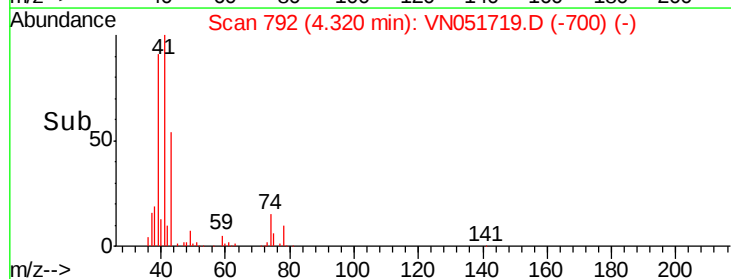
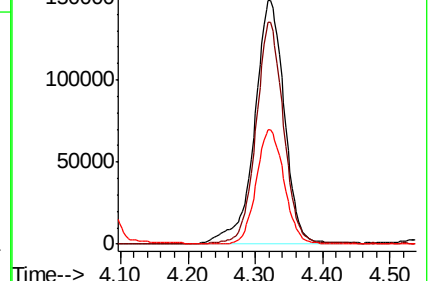
76 43.5 34.3 51.5

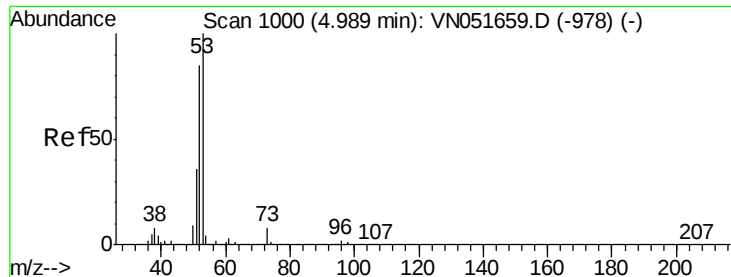


Abundance Ion 41.00 (40.70 to 41.70): VN051719.D (-760) (-)

Ion 39.00 (38.70 to 39.70): VN051719.D (-760) (-)

Ion 75.90 (75.60 to 76.60): VN051719.D (-760) (-)





#15

Acrylonitrile

Concen: 234.396 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

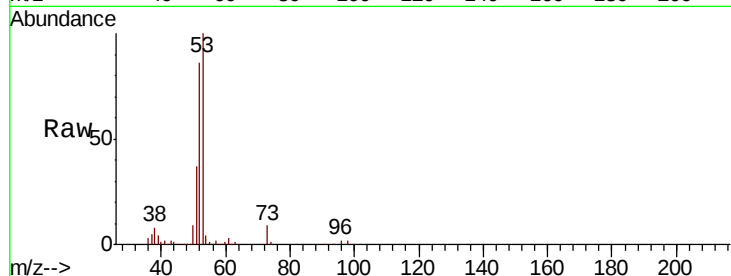
Tot Ion: 53 Resp: 488178

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

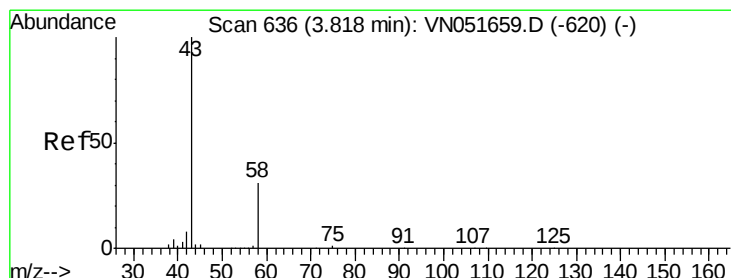
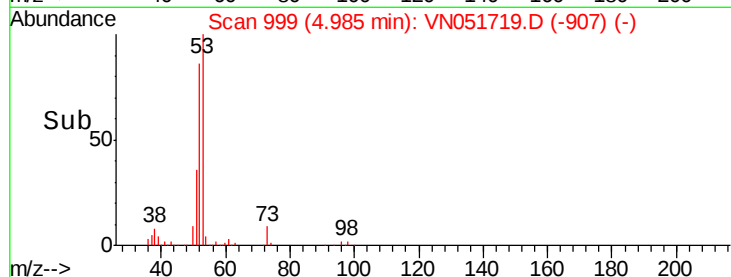
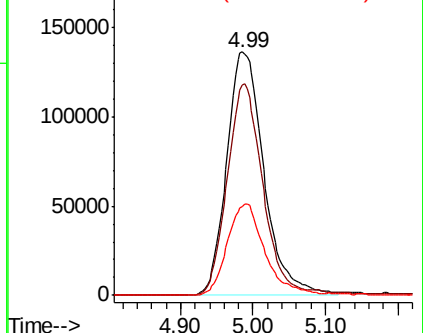
51 37.4 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 282.600 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051719.D

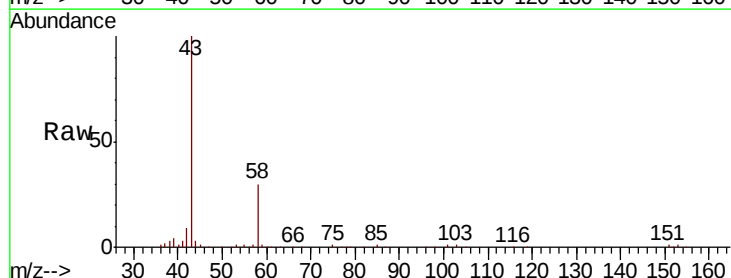
Acq: 8 Oct 2018 8:18

Tgt Ion: 43 Resp: 416267

Ion Ratio Lower Upper

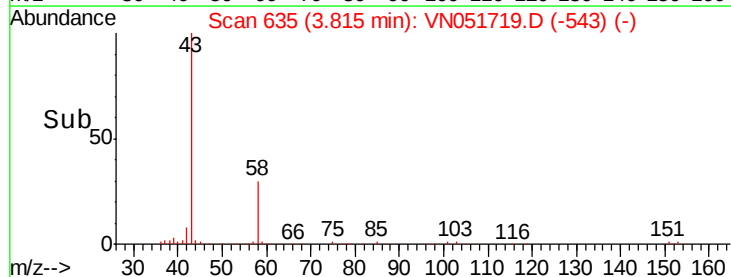
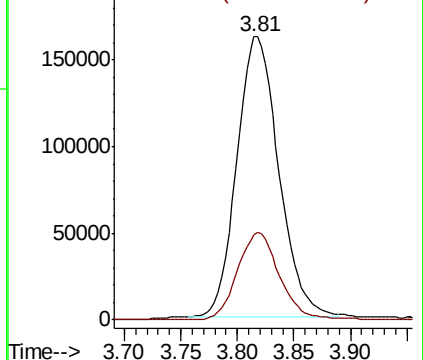
43 100

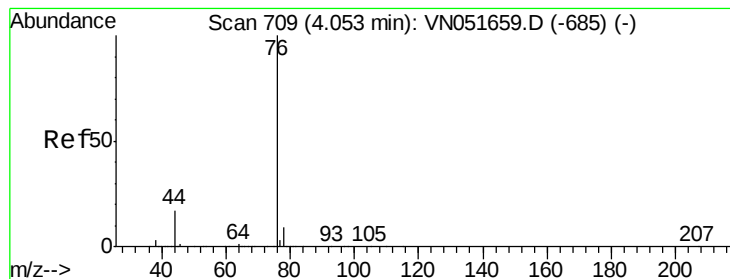
58 30.4 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 45.968 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

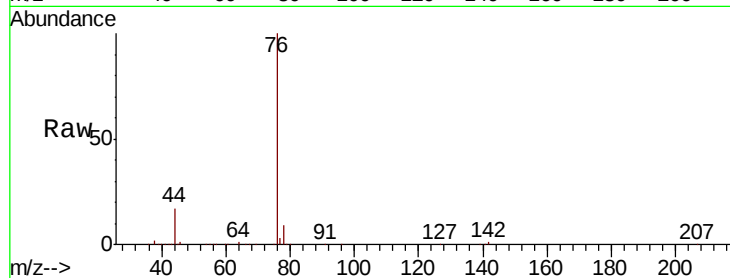
VSTDCCC050

Tot Ion: 76 Resp: 874751

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN051719.D (-616) (-)

Ion 77.90 (77.60 to 78.60): VN051719.D (-616) (-)

4.05

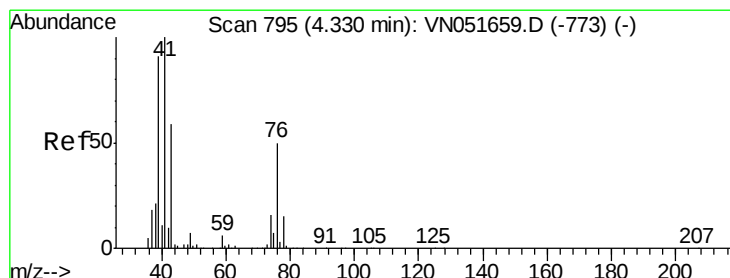
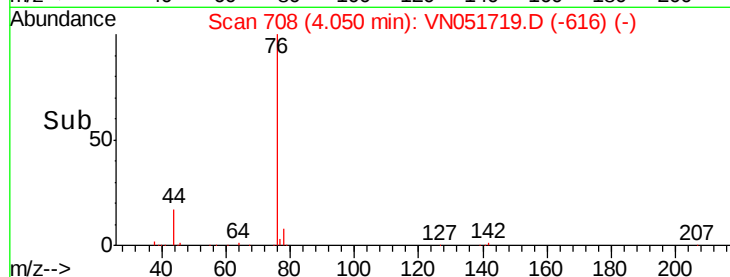
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.809 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051719.D

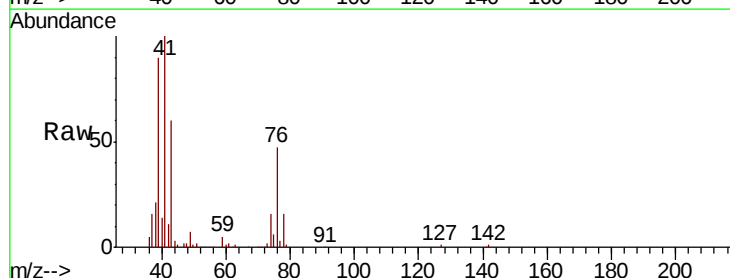
Acq: 8 Oct 2018 8:18

Tgt Ion: 43 Resp: 244154

Ion Ratio Lower Upper

43 100

74 27.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN051719.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN051719.D (-702) (-)

4.33

100000

80000

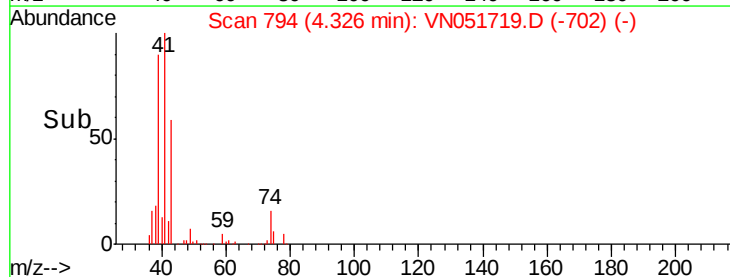
60000

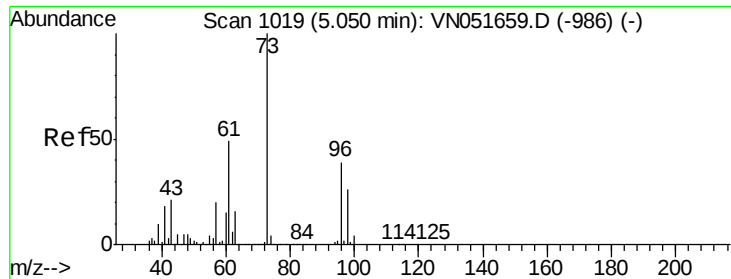
40000

20000

0

Time-->



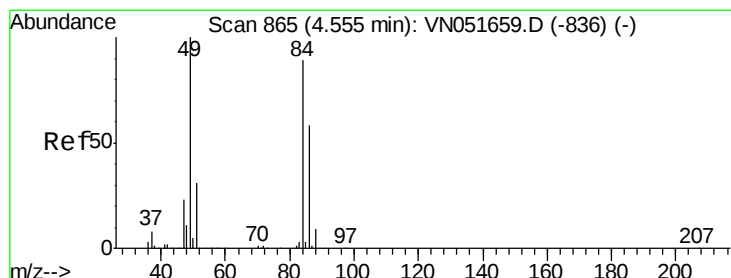
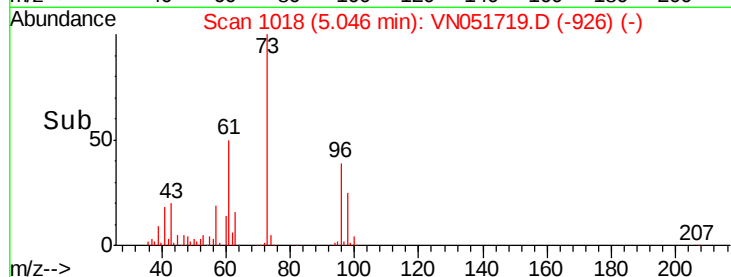
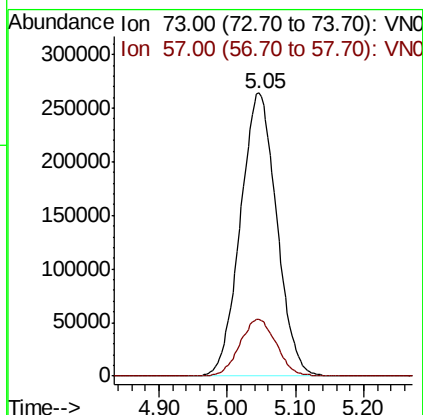
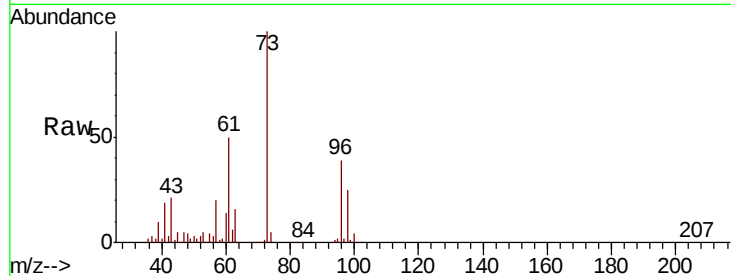


#19

Methyl tert-butyl Ether
 Concen: 47.167 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

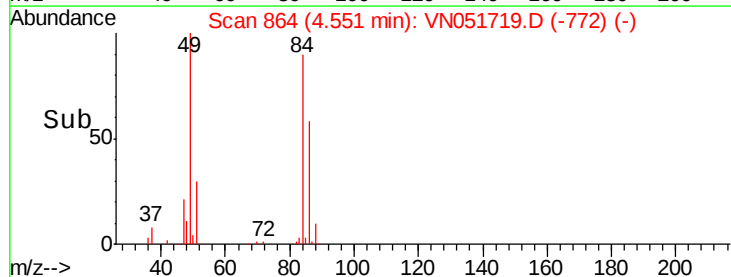
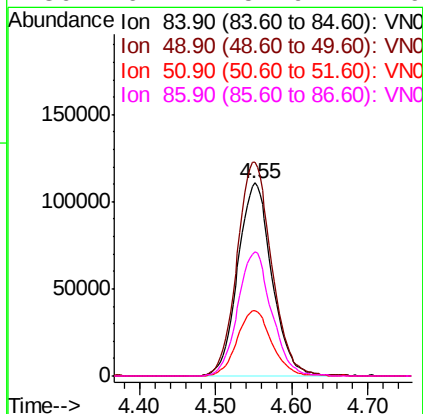
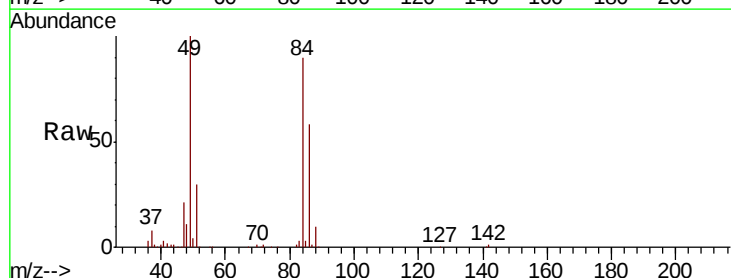
Tot Ion: 73 Resp: 974679
 Ion Ratio Lower Upper
 73 100
 57 19.9 15.6 23.4

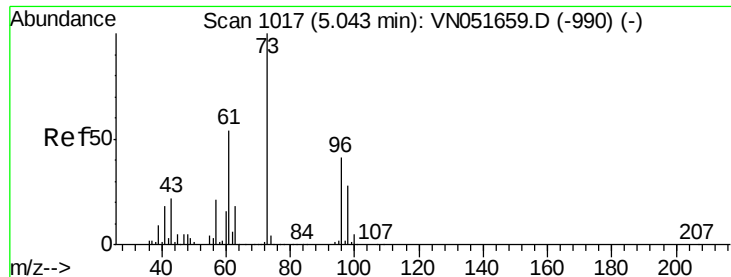


#20

Methylene Chloride
 Concen: 47.338 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 84 Resp: 345879
 Ion Ratio Lower Upper
 84 100
 49 110.7 89.5 134.3
 51 33.6 27.4 41.0
 86 64.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.127 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

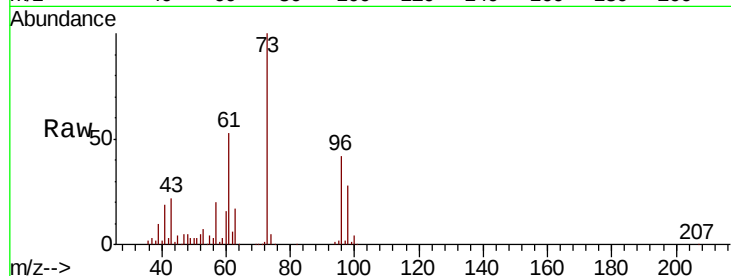
Tot Ion: 96 Resp: 349621

Ion Ratio Lower Upper

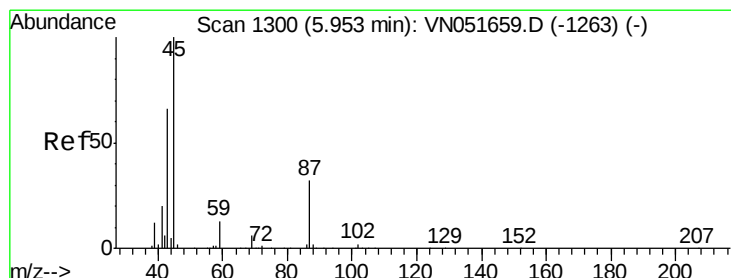
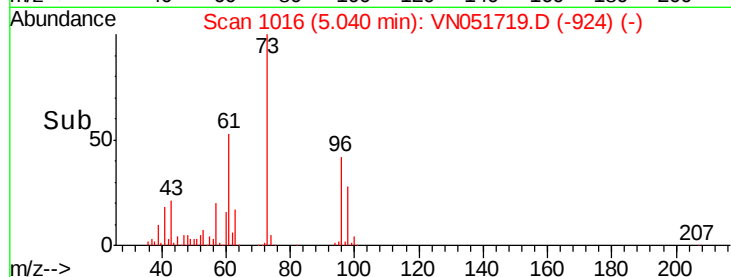
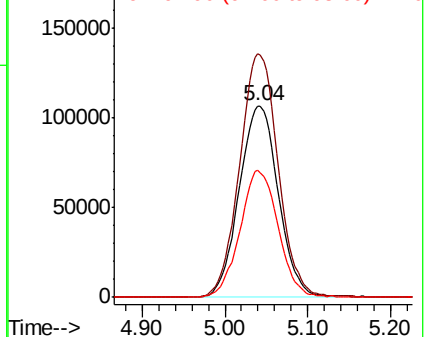
96 100

61 127.1 104.7 157.1

98 66.4 54.6 82.0



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



#22

Diisopropyl ether

Concen: 47.047 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Tgt Ion: 45 Resp: 962969

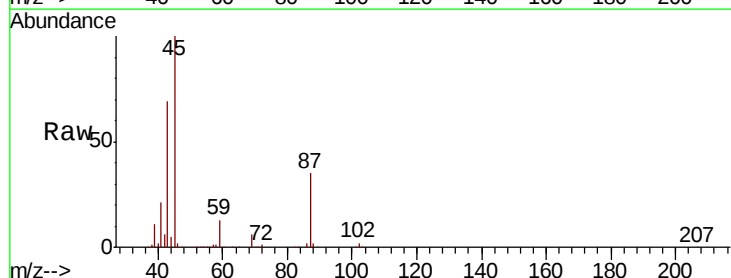
Ion Ratio Lower Upper

45 100

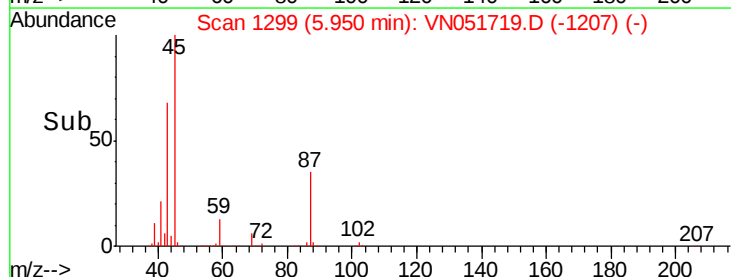
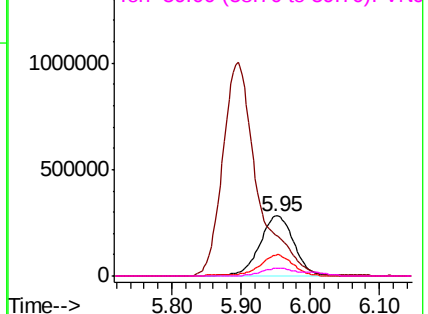
43 68.2 53.0 79.4

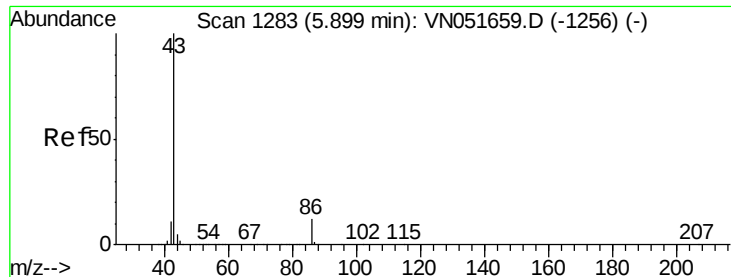
87 34.9 26.4 39.6

59 12.4 10.0 15.0



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





#23

Vinyl Acetate

Concen: 233.143 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampled :

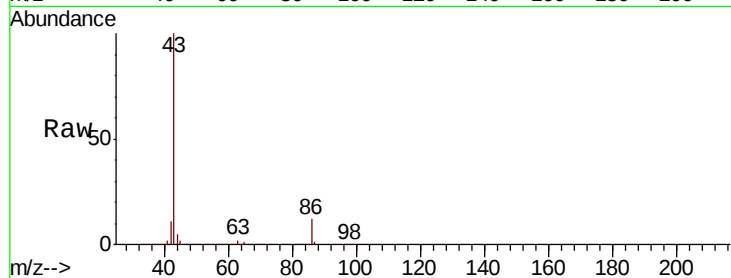
VSTDCCC050

Tot Ion: 43 Resp: 3508757

Ion Ratio Lower Upper

43 100

86 12.0 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN051719.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN051719.D (-1190) (-)

1200000

1000000

800000

600000

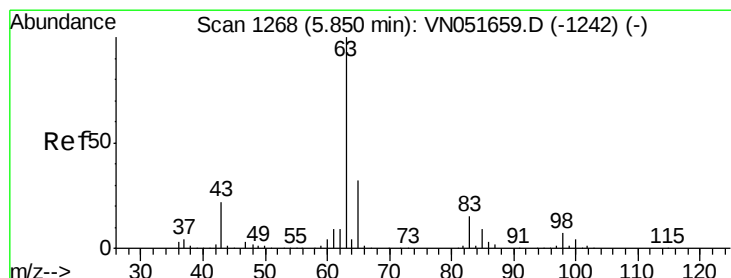
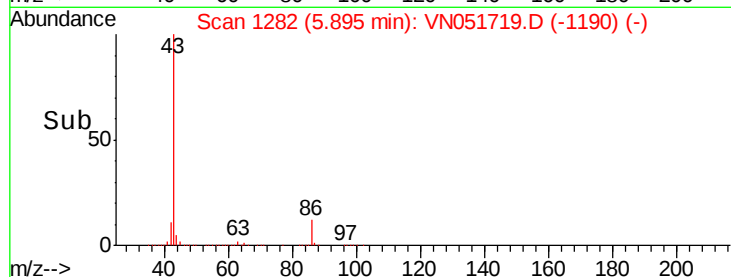
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.124 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

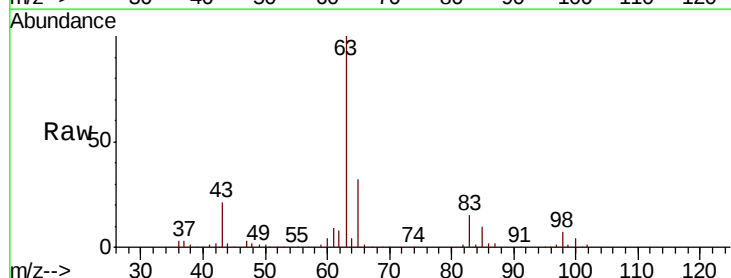
Tgt Ion: 63 Resp: 620328

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN051719.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN051719.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN051719.D (-1175) (-)

250000

200000

150000

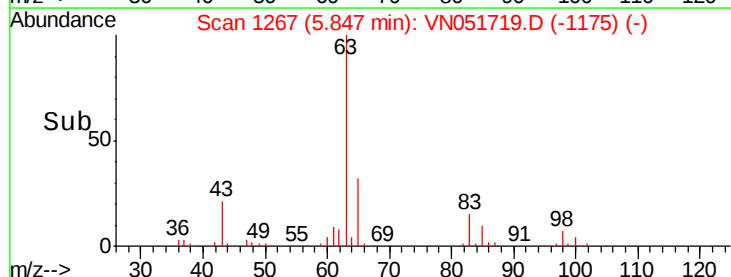
100000

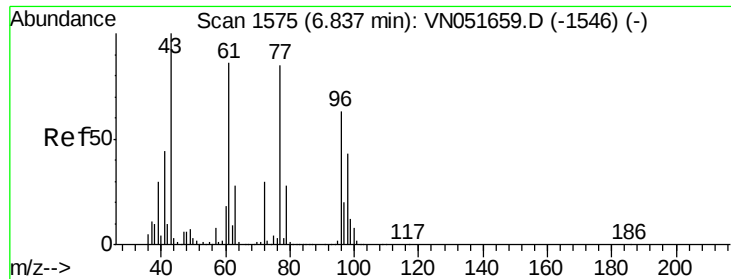
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 241.764 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

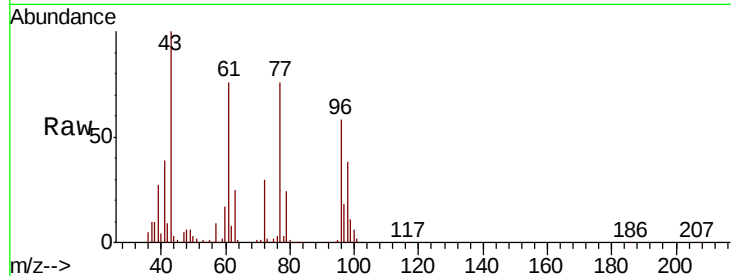
VSTDCCC050

Tot Ion: 43 Resp: 619984

Ion Ratio Lower Upper

43 100

72 30.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

100000

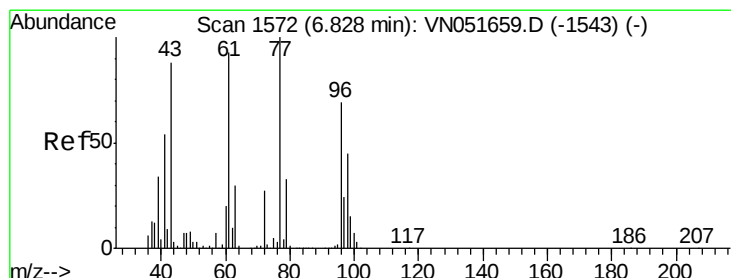
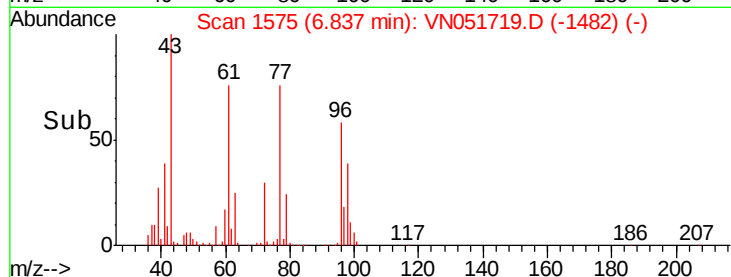
50000

0

6.70 6.80 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 48.984 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051719.D

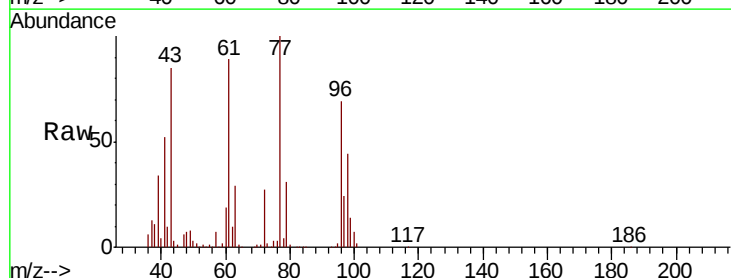
Acq: 8 Oct 2018 8:18

Tgt Ion: 77 Resp: 646179

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

200000

150000

100000

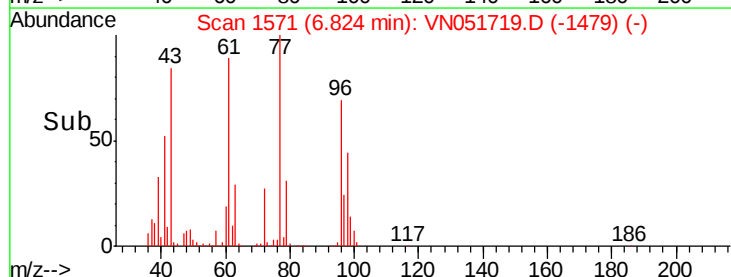
50000

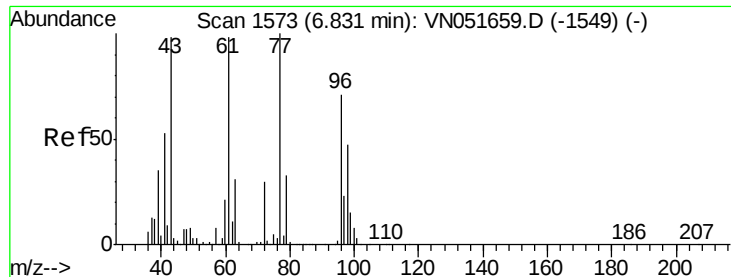
0

6.70 6.80 6.90

6.82

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

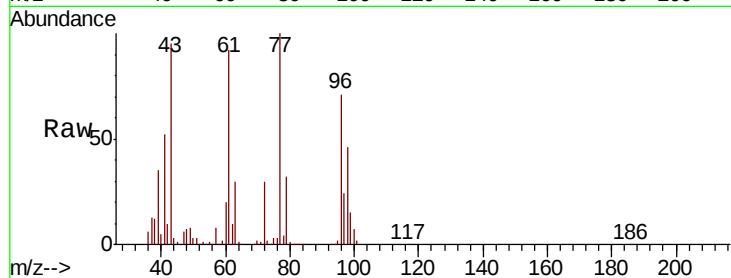
Tot Ion: 96 Resp: 411166

Ion Ratio Lower Upper

96 100

61 133.5 0.0 275.4

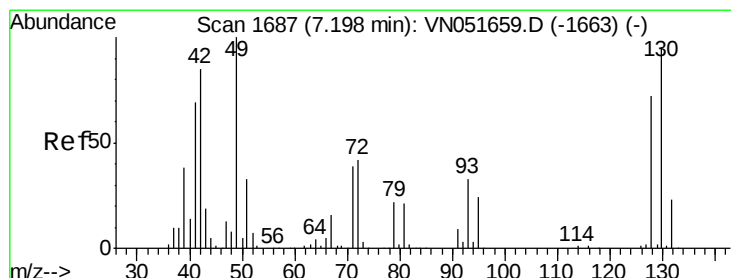
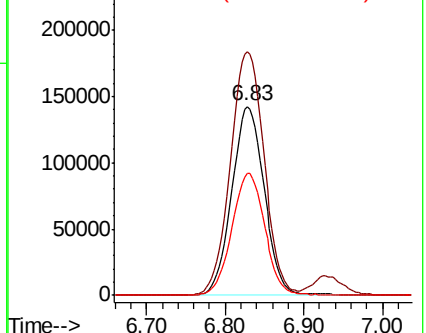
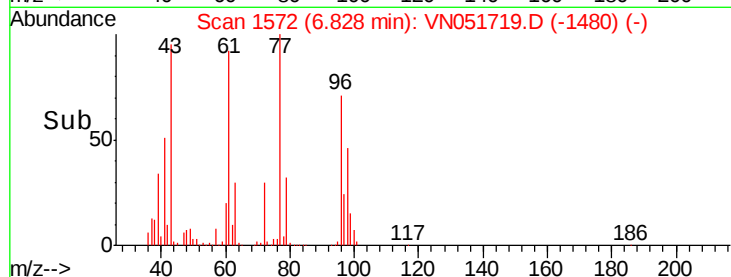
98 65.6 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN051719.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN051719.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN051719.D (-1480) (-)



#28

Bromochloromethane

Concen: 44.656 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

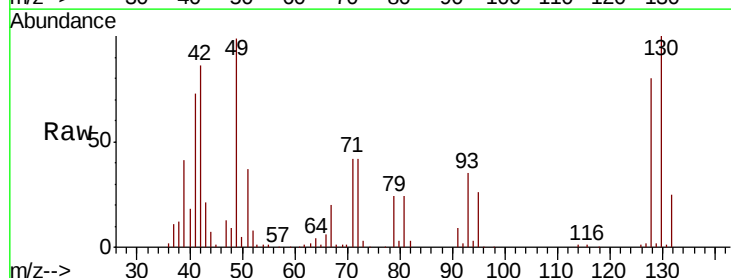
Tgt Ion: 49 Resp: 260247

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.8

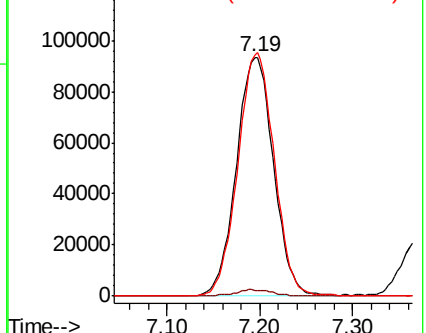
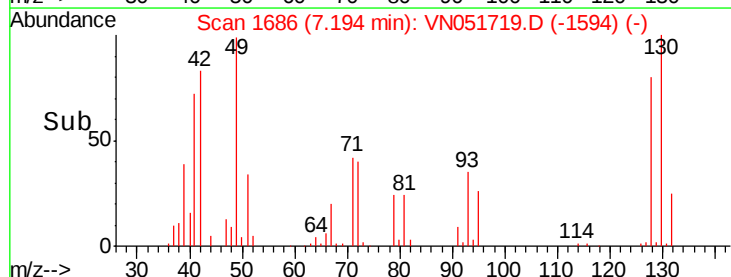
130 99.7 75.7 113.5



Abundance Ion 48.90 (48.60 to 49.60): VN051719.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051719.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051719.D (-1594) (-)

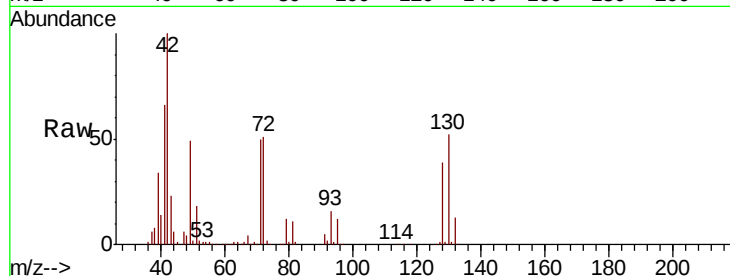




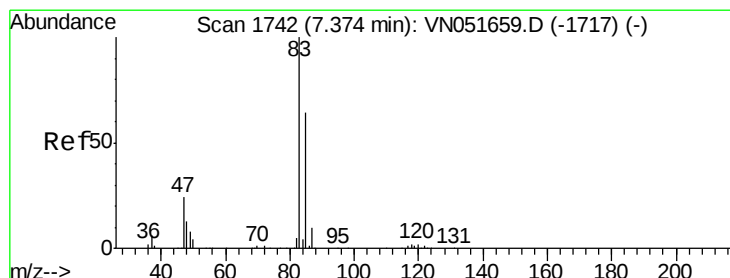
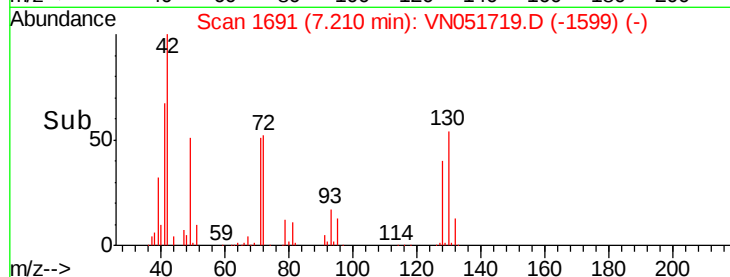
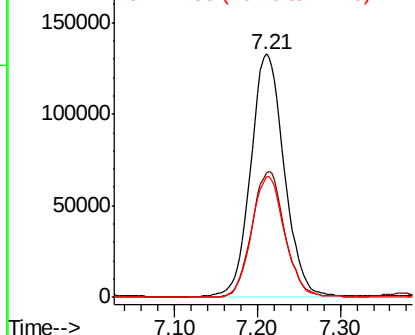
#29
Tetrahydrofuran
Concen: 236.043 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 371462
Ion Ratio Lower Upper
42 100
72 51.0 40.1 60.1
71 49.3 38.0 57.0

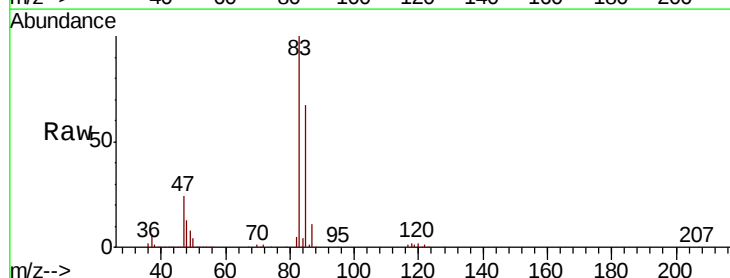


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

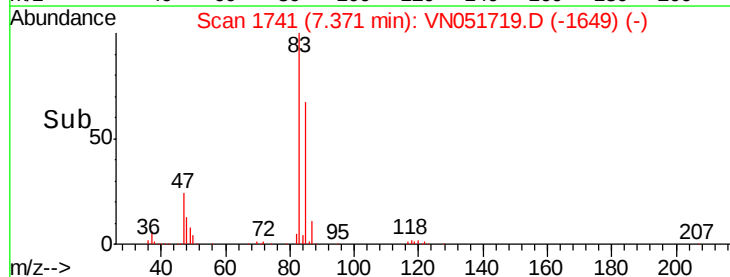
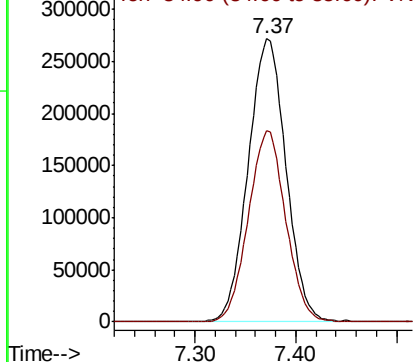


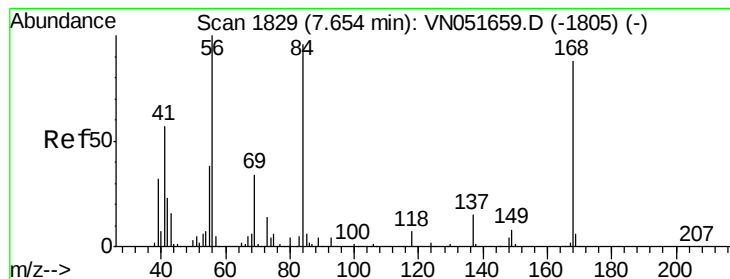
#30
Chloroform
Concen: 47.802 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 83 Resp: 706993
Ion Ratio Lower Upper
83 100
85 67.4 51.6 77.4



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





#31

Cyclohexane

Concen: 46.543 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

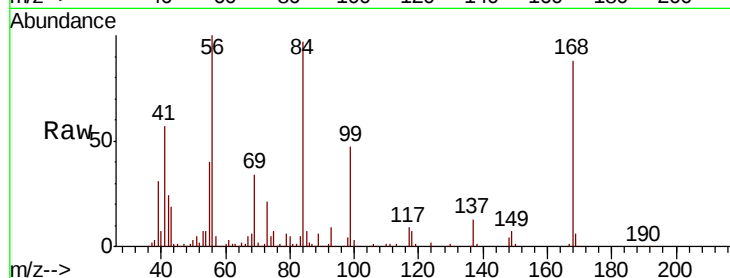
Tot Ion: 56 Resp: 561098

Ion Ratio Lower Upper

56 100

69 34.5 27.5 41.3

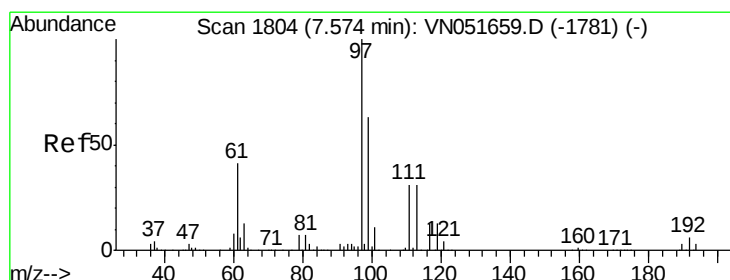
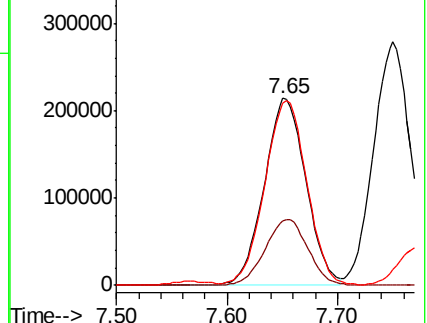
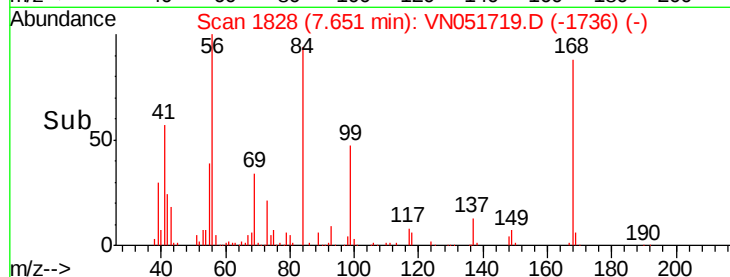
84 95.2 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VN051719.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051719.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051719.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 48.316 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

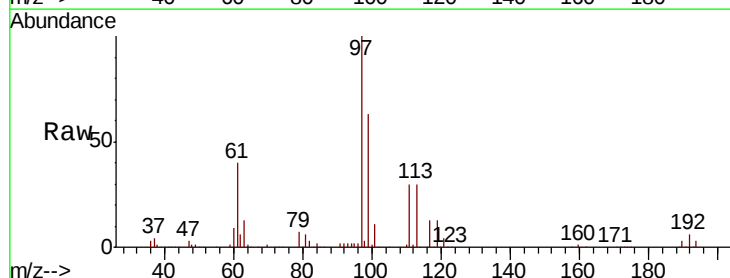
Tgt Ion: 97 Resp: 692646

Ion Ratio Lower Upper

97 100

99 63.8 51.9 77.9

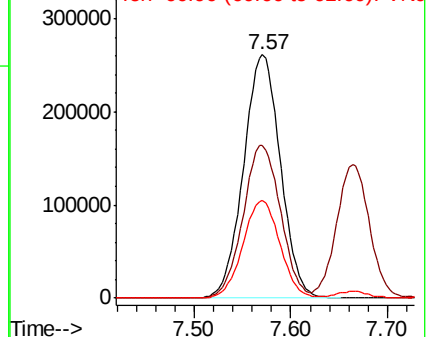
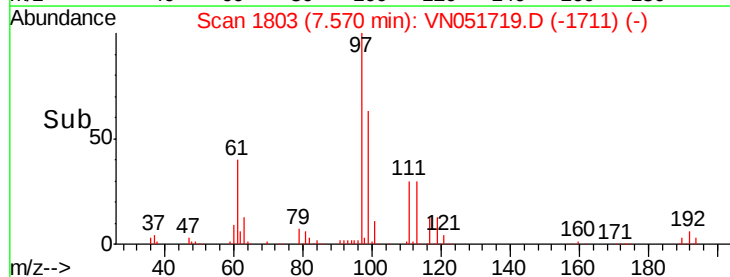
61 40.3 33.4 50.0

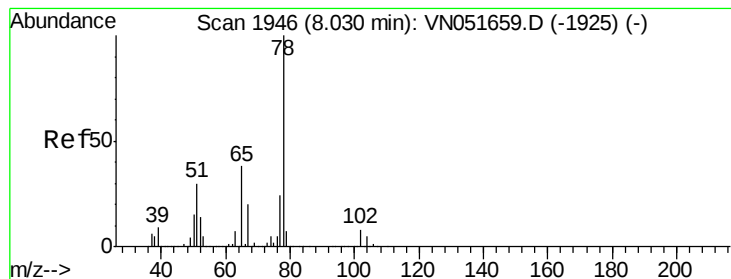


Abundance Ion 96.90 (96.60 to 97.60): VN051719.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN051719.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN051719.D (-1711) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.316 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

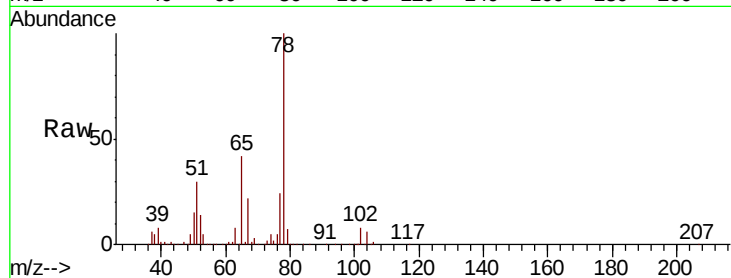
VSTDCCC050

Tot Ion: 65 Resp: 438655

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN051719.D (-1853) (-)

Ion 66.90 (66.60 to 67.60): VN051719.D (-1853) (-)

8.03

200000

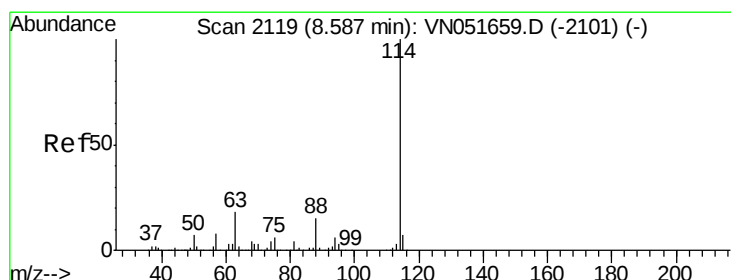
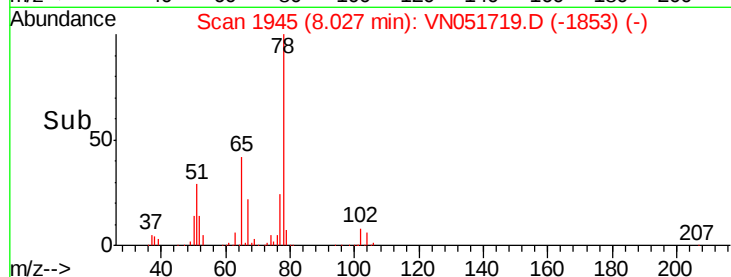
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

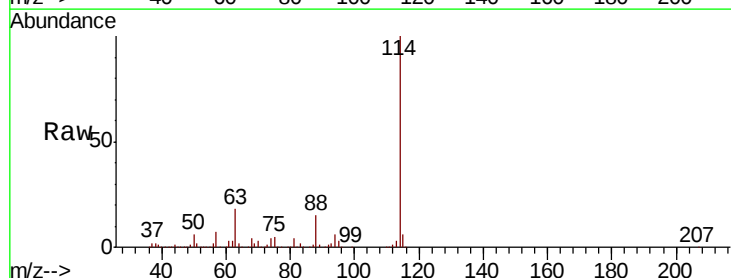
Tgt Ion: 114 Resp: 1007429

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.2

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN051719.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN051719.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN051719.D (-2026) (-)

8.59

600000

500000

400000

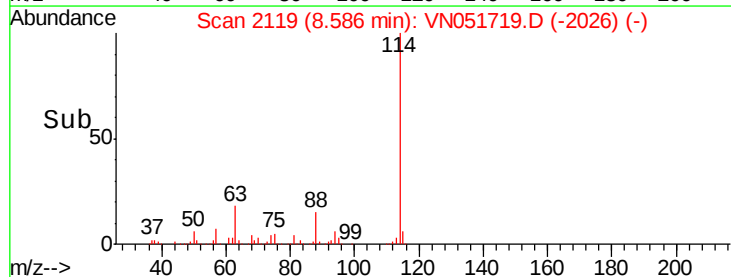
300000

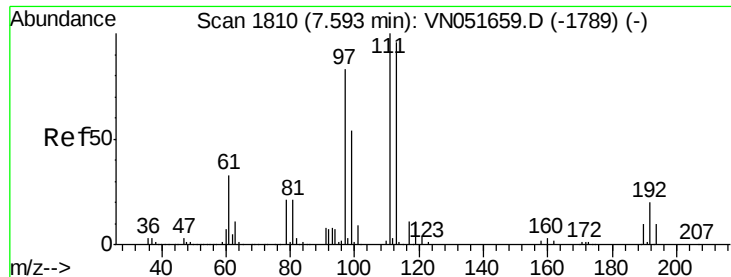
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70

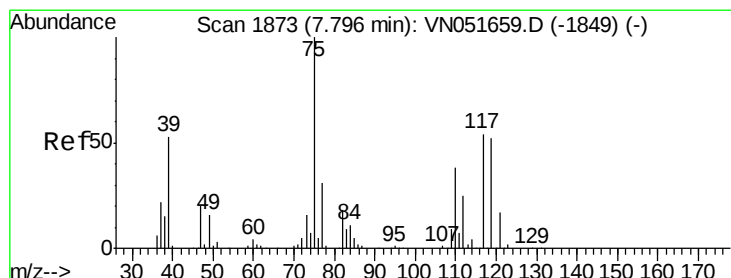
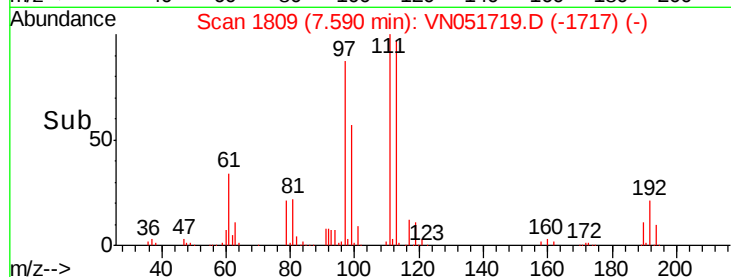
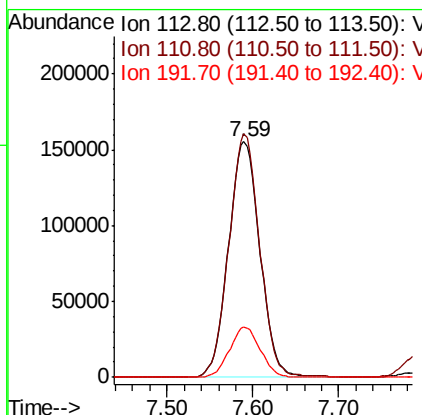
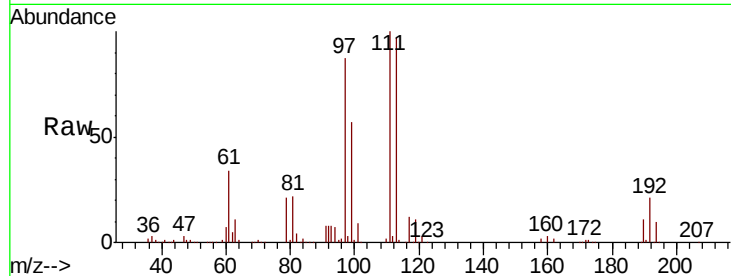




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

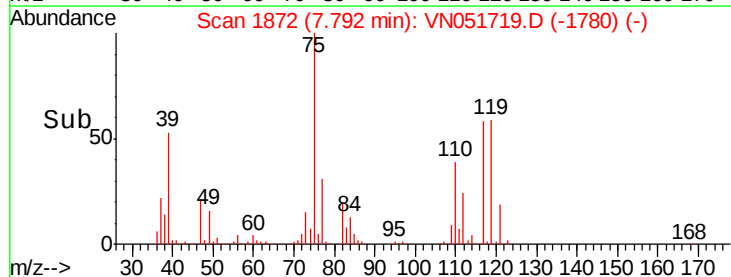
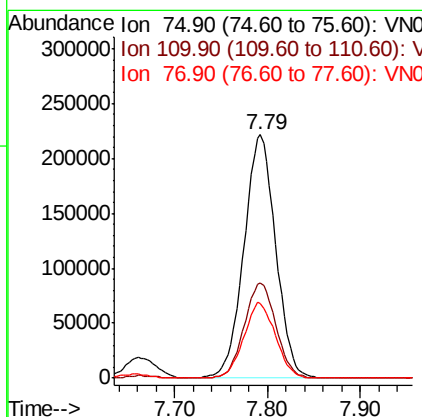
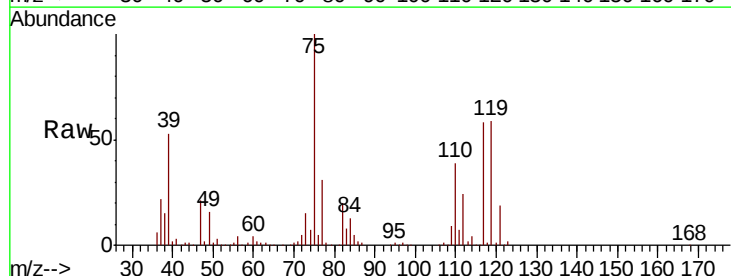
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

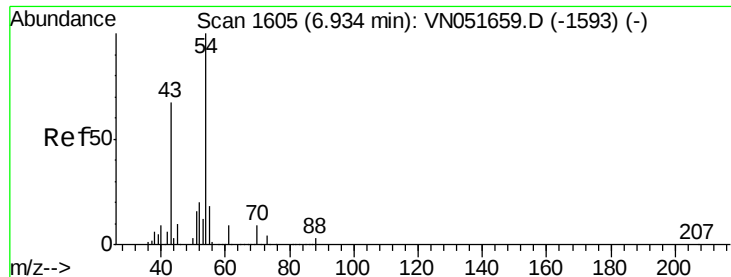
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.8	122.8
192	20.8	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 49.841 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.3	57.8
77	30.8	24.7	37.1

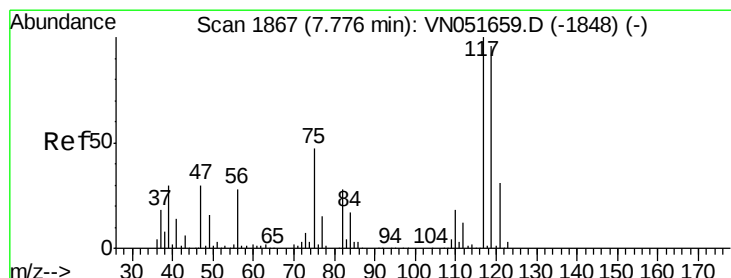
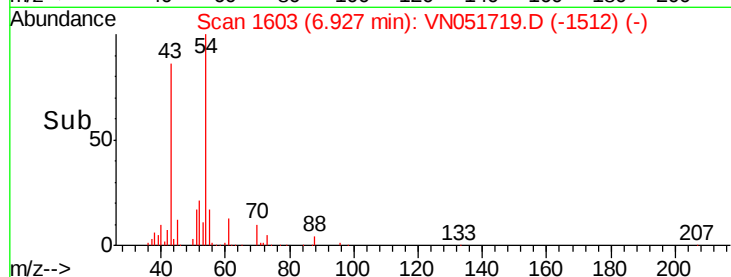
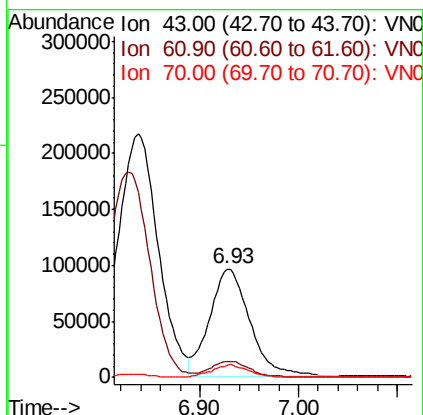
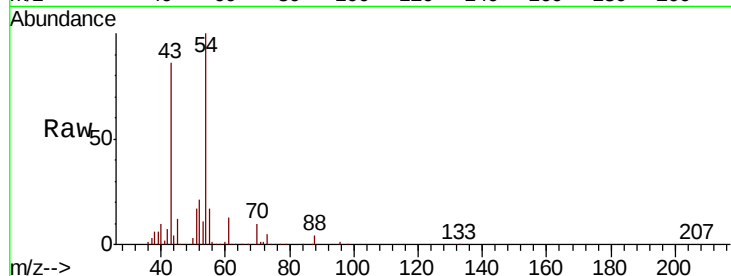




#37
Ethyl Acetate
Concen: 49.735 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

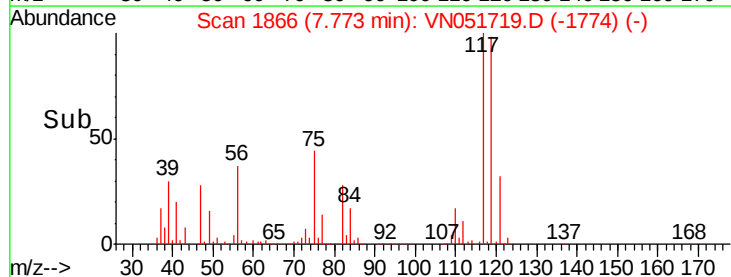
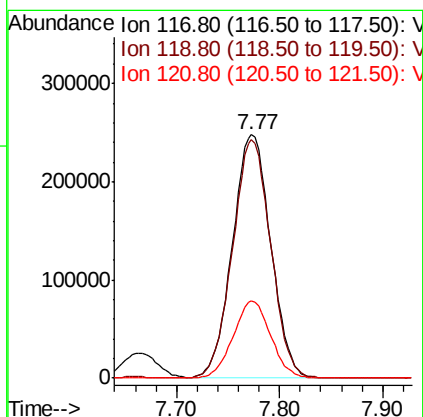
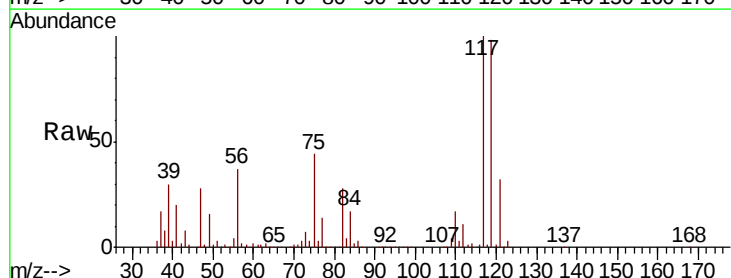
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

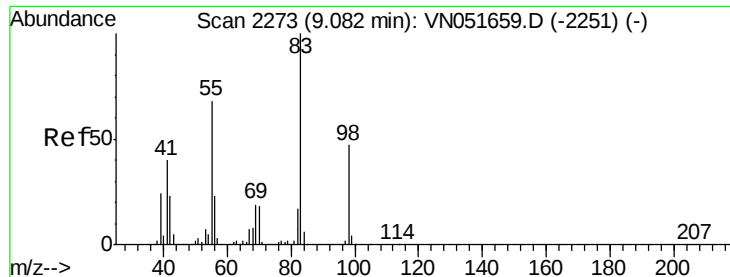
Tot Ion: 43 Resp: 273144
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.6
70 11.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 50.553 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 117 Resp: 638764
Ion Ratio Lower Upper
117 100
119 98.2 77.0 115.6
121 32.0 25.0 37.6

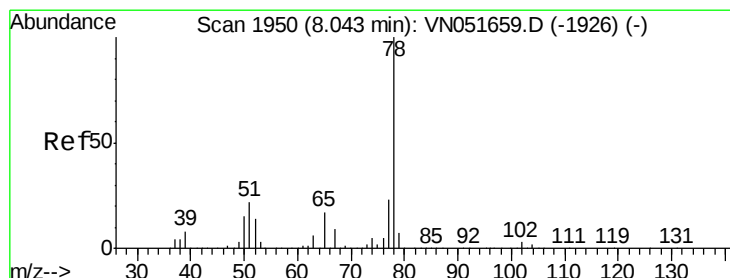
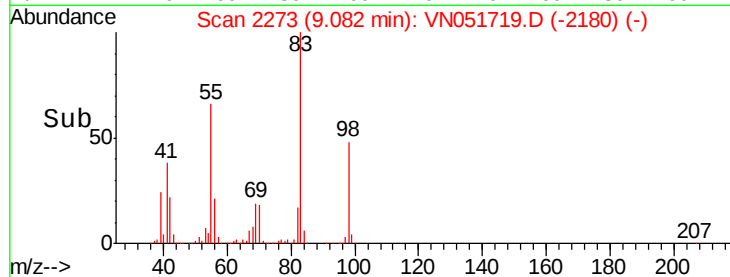
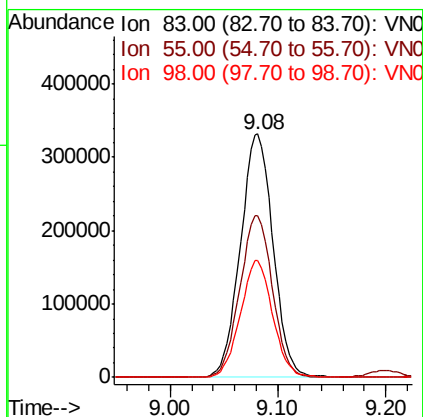
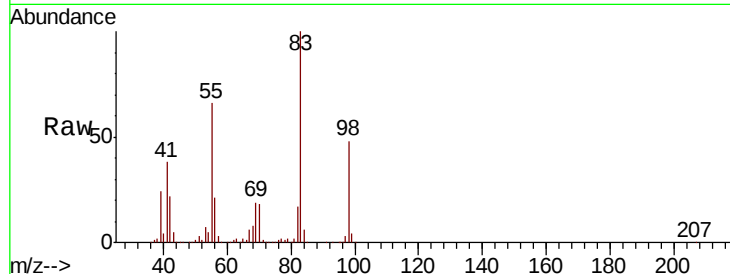




#39
Methvlcvclohexane
Concen: 52.784 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

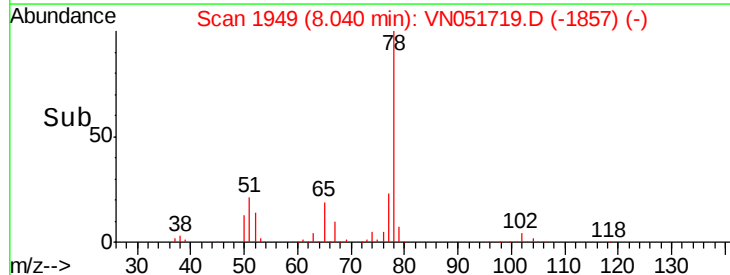
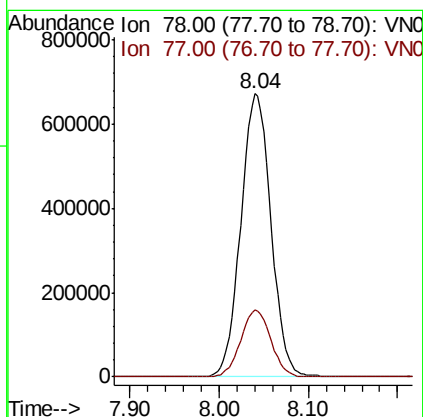
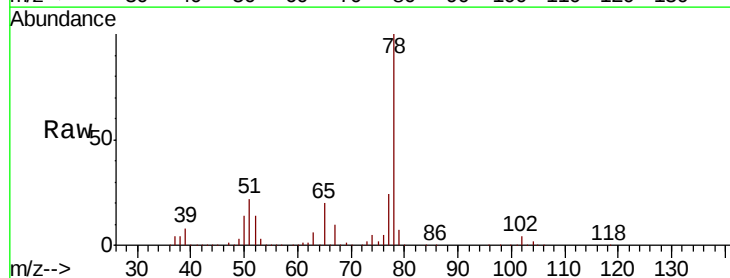
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

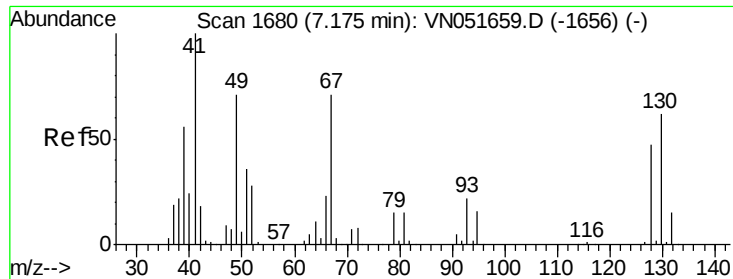
Tot Ion: 83 Resp: 697704
Ion Ratio Lower Upper
83 100
55 66.1 54.3 81.5
98 47.9 37.4 56.2



#40
Benzene
Concen: 50.519 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 78 Resp: 1577011
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7





#41

Methacrylonitrile

Concen: 136.331 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.04 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 384313

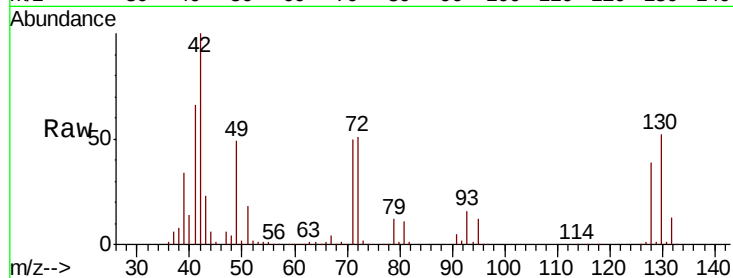
Ion Ratio Lower Upper

41 100

39 0.0 53.9 80.9#

67 0.0 78.1 117.1#

52 0.0 32.3 48.5#

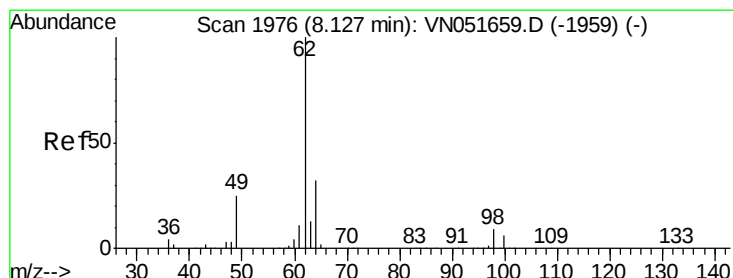
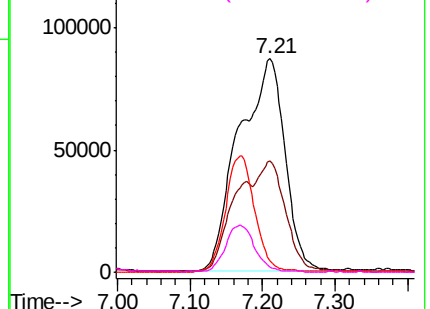
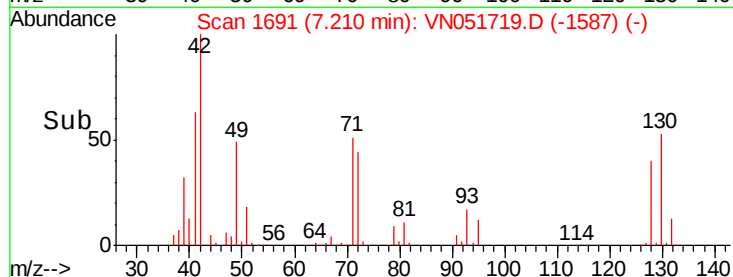


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 49.532 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051719.D

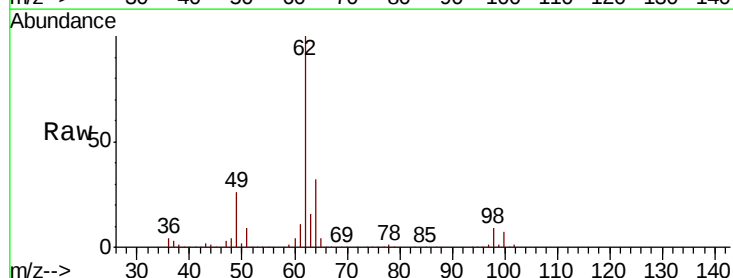
Acq: 8 Oct 2018 8:18

Tgt Ion: 62 Resp: 521080

Ion Ratio Lower Upper

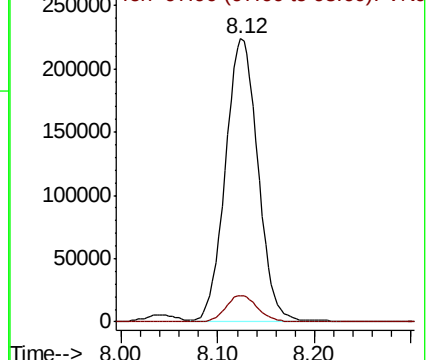
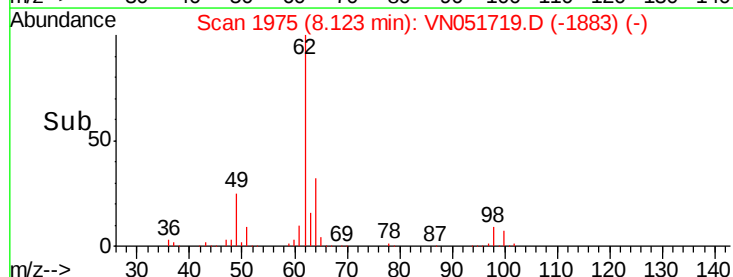
62 100

98 9.3 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 49.028 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

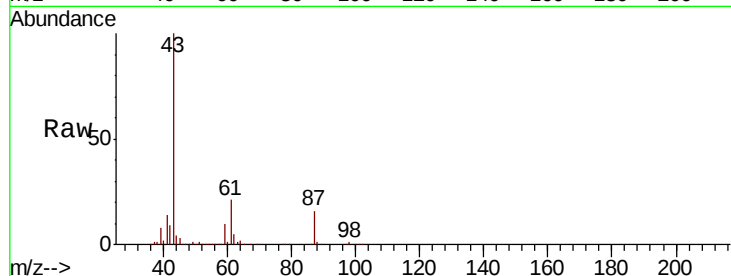
Tot Ion: 43 Resp: 561386

Ion Ratio Lower Upper

43 100

61 29.7 15.8 23.6#

87 16.3 12.6 19.0

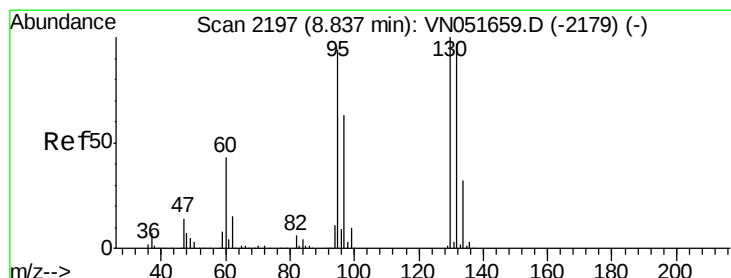
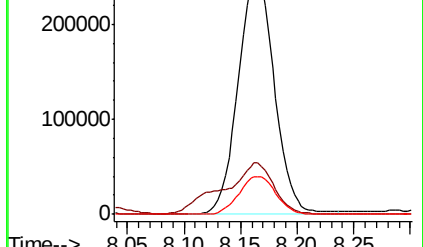
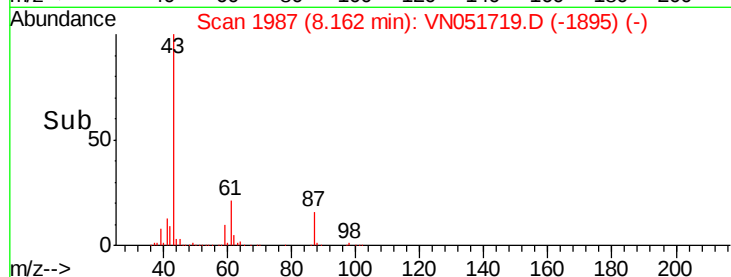


Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

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

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

8.16



#44

Trichloroethene

Concen: 51.137 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051719.D

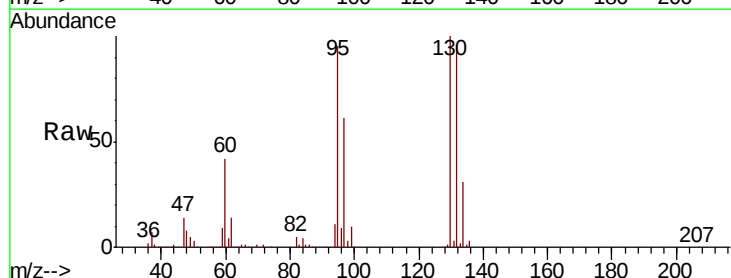
Acq: 8 Oct 2018 8:18

Tgt Ion: 130 Resp: 453254

Ion Ratio Lower Upper

130 100

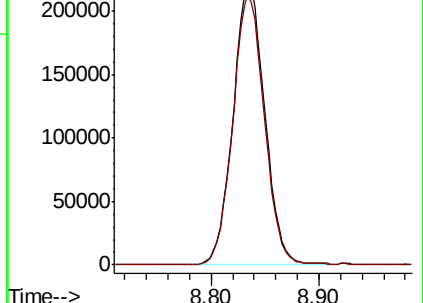
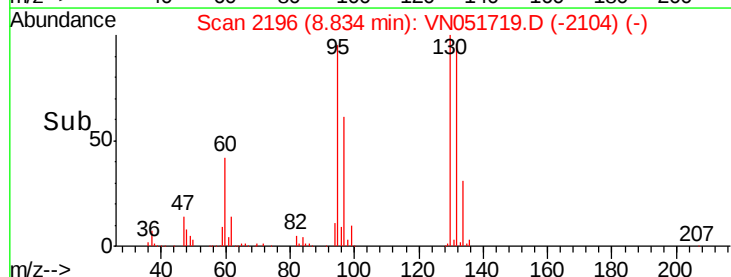
95 95.0 0.0 188.0

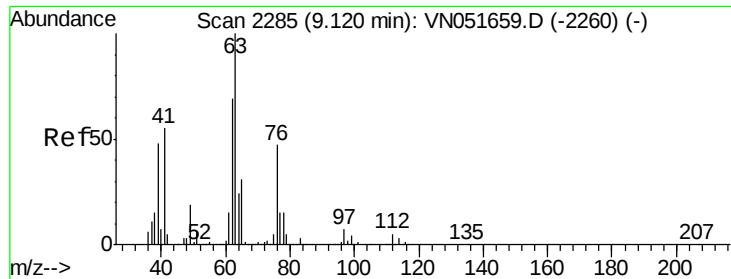


Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)

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

8.83

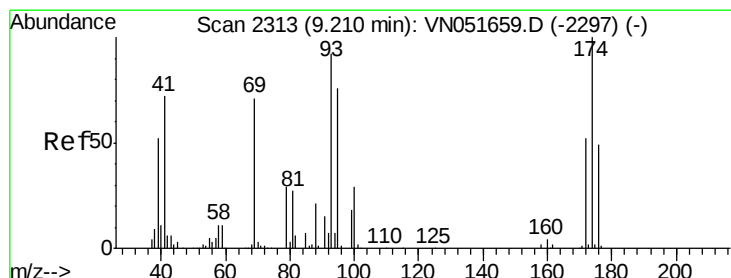
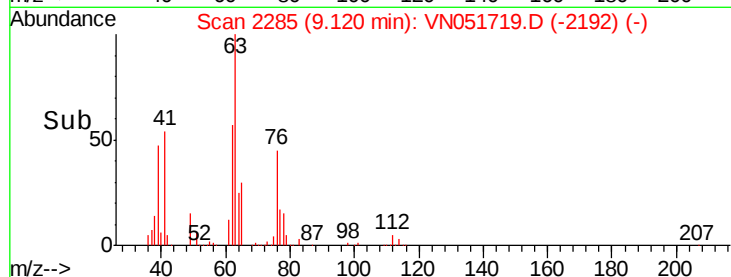
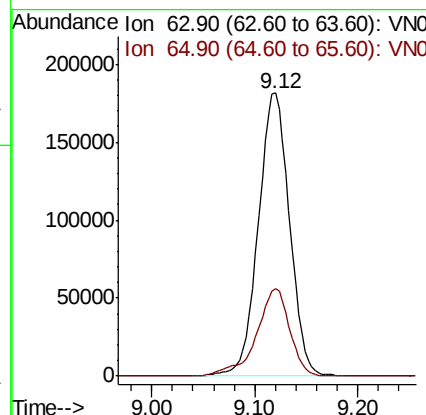
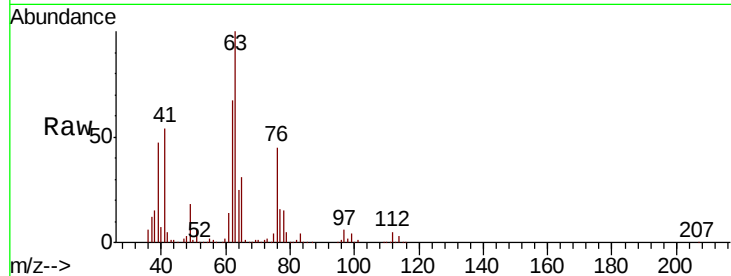




#45
 1,2-Dichloropropane
 Concen: 49.264 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

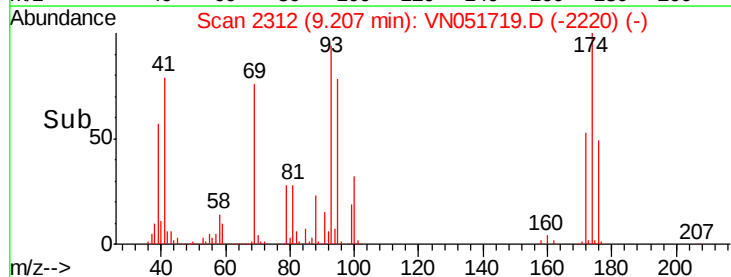
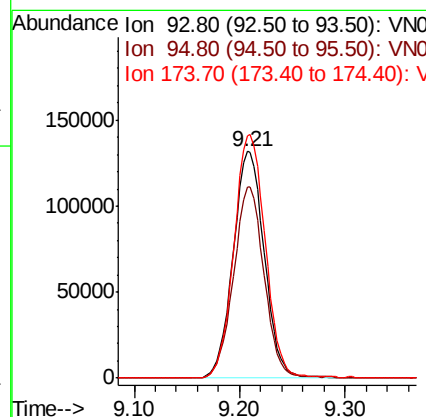
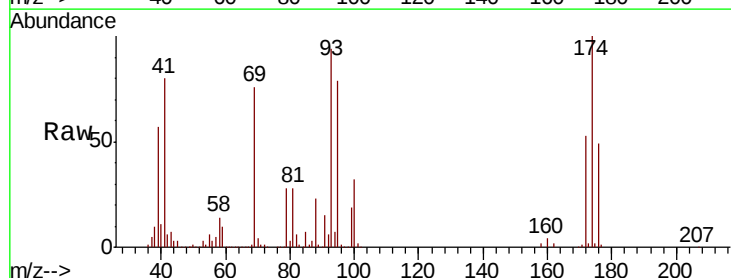
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

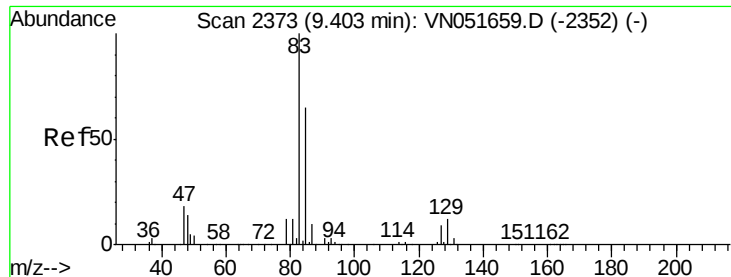
Tot Ion: 63 Resp: 380214
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4



#46
 Dibromomethane
 Concen: 50.272 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 93 Resp: 269687
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 107.5 85.9 128.9

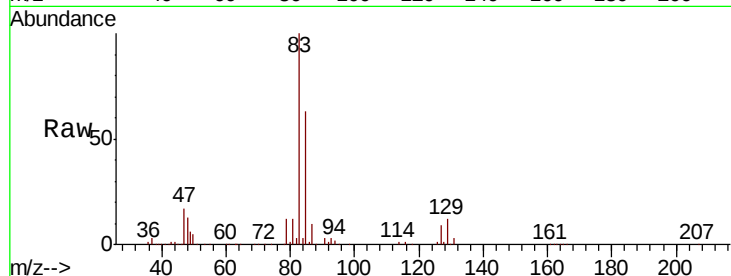




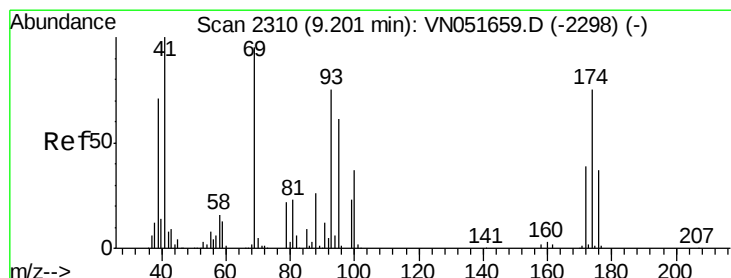
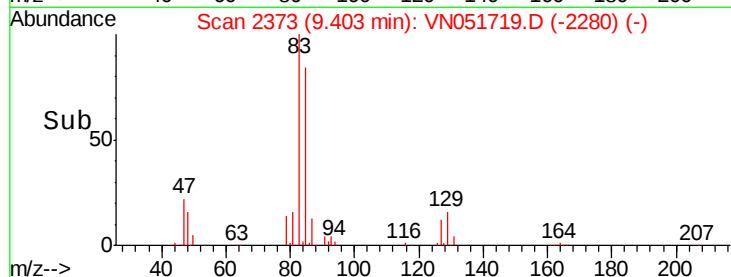
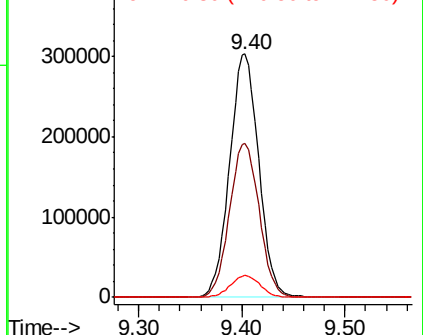
#47
Bromodichloromethane
Concen: 50.544 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 596890
Ion Ratio Lower Upper
83 100
85 63.1 51.6 77.4
127 8.9 7.3 10.9

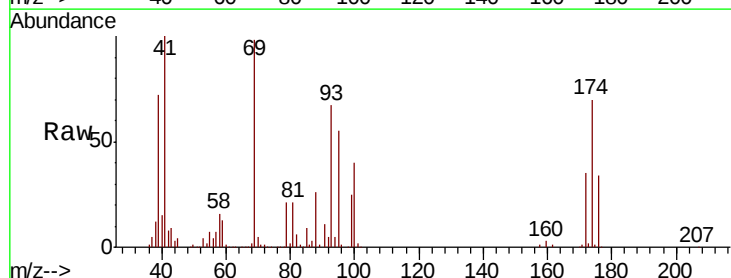


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

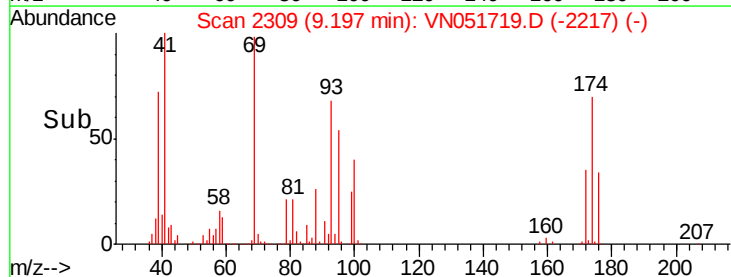
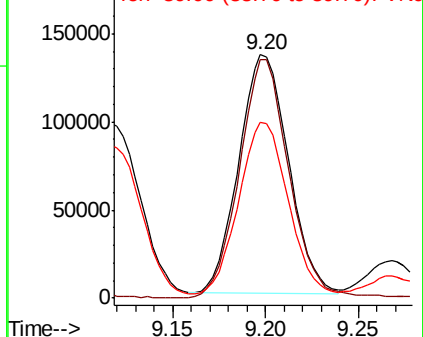


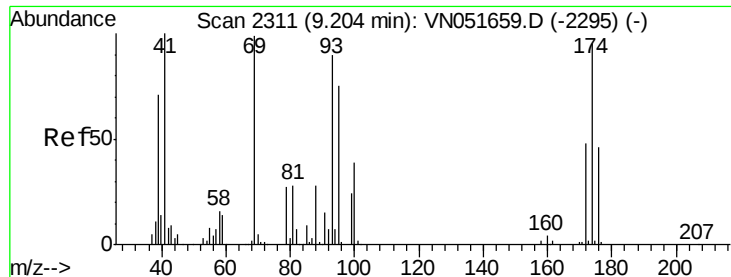
#48
Methyl methacrylate
Concen: 48.127 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 41 Resp: 251810
Ion Ratio Lower Upper
41 100
69 99.9 78.6 118.0
39 71.6 59.2 88.8



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

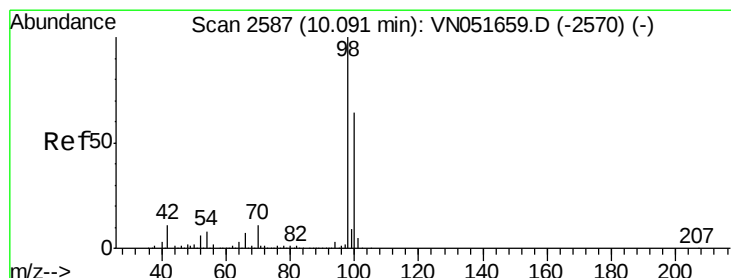
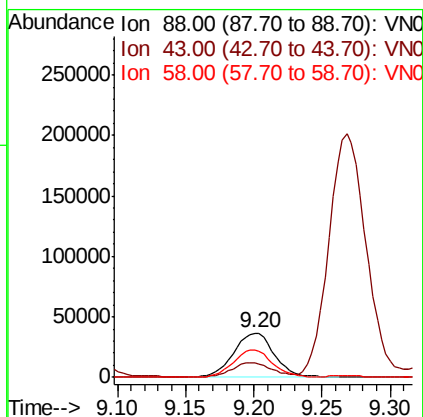
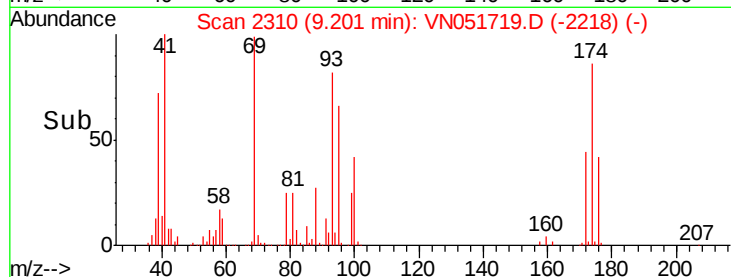
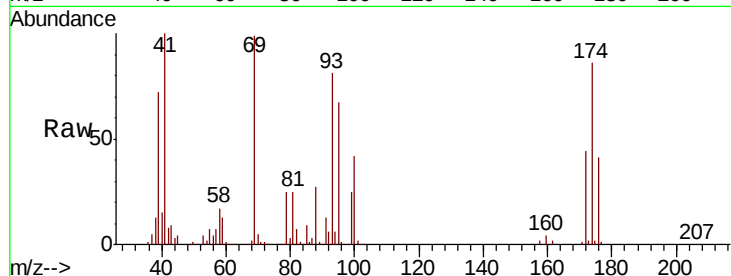




#49
1,4-Dioxane
Concen: 970.978 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

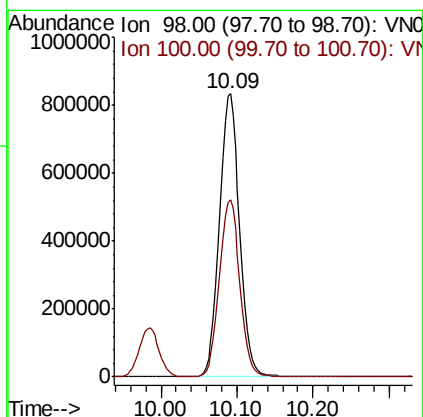
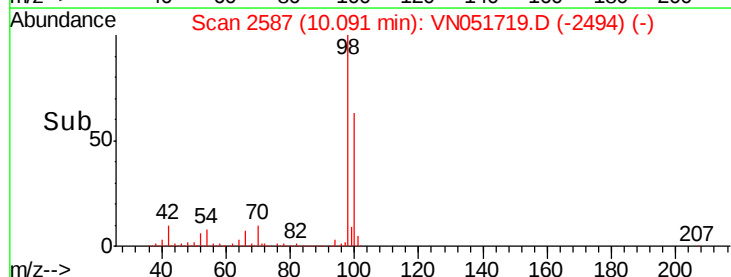
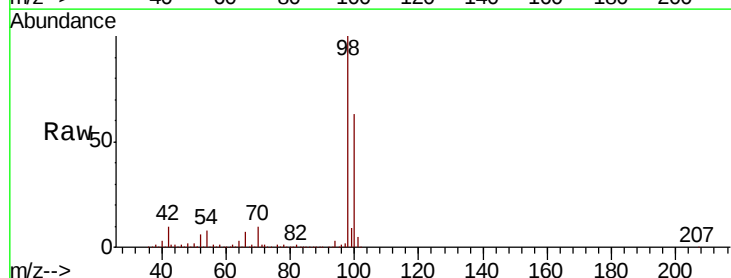
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

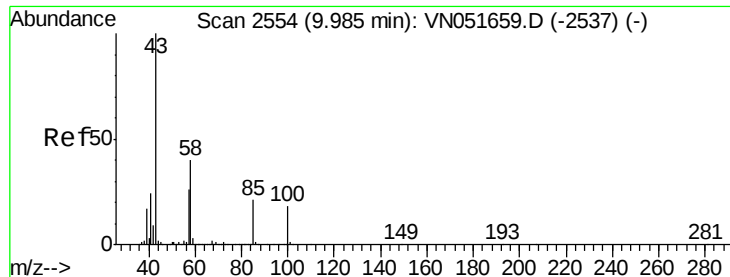
Tot Ion: 88 Resp: 76178
Ion Ratio Lower Upper
88 100
43 30.0 24.5 36.7
58 59.7 47.6 71.4



#50
Toluene-d8
Concen: 970.978 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 98 Resp: 1535996
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 246.978 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

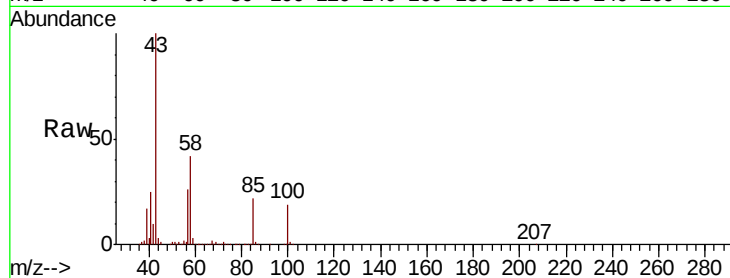
VSTDCCC050

Tot Ion: 43 Resp: 1433019

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

800000

600000

400000

200000

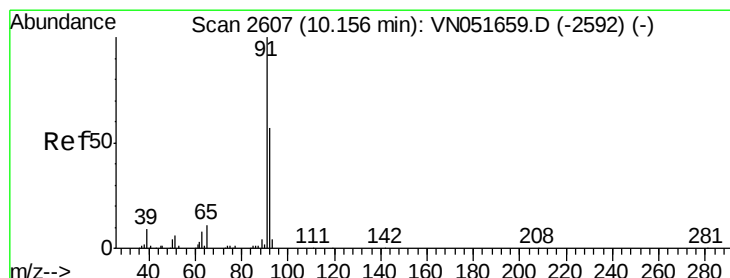
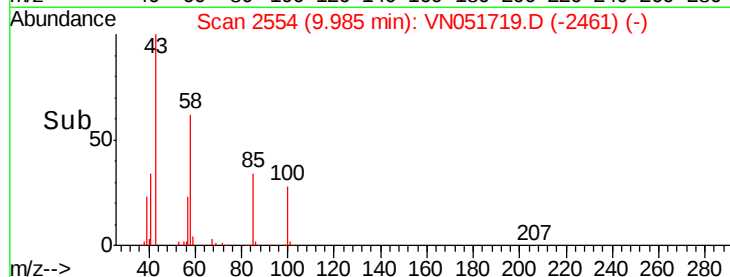
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 53.304 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051719.D

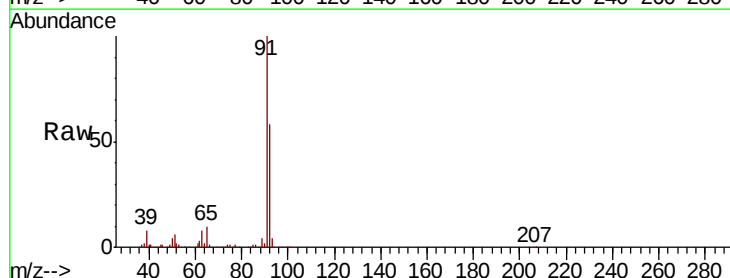
Acq: 8 Oct 2018 8:18

Tgt Ion: 92 Resp: 1106697

Ion Ratio Lower Upper

92 100

91 173.8 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN051659.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN051659.D (-2592) (-)

1200000

1000000

800000

600000

400000

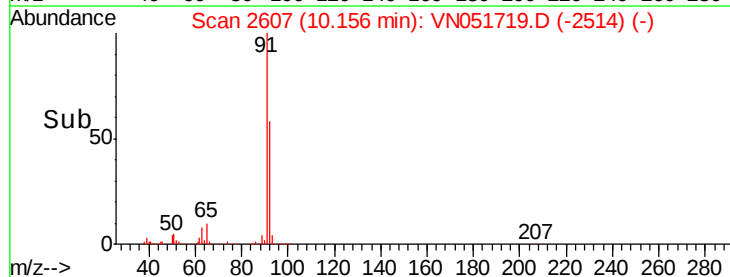
200000

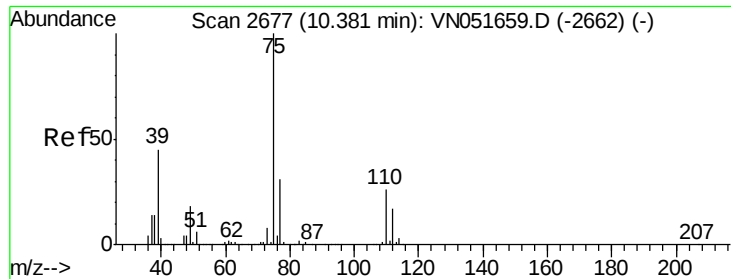
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.211 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

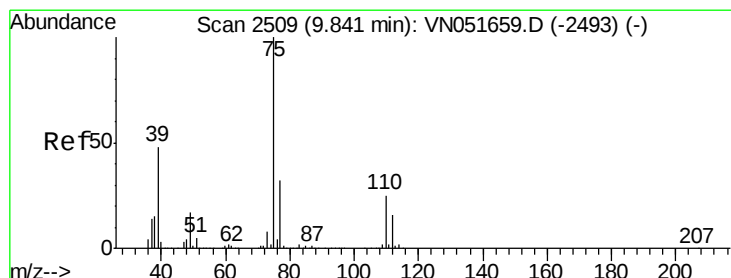
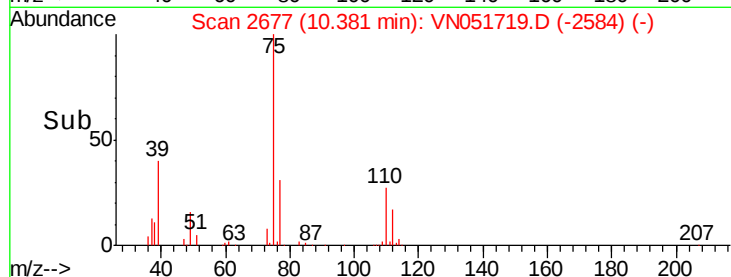
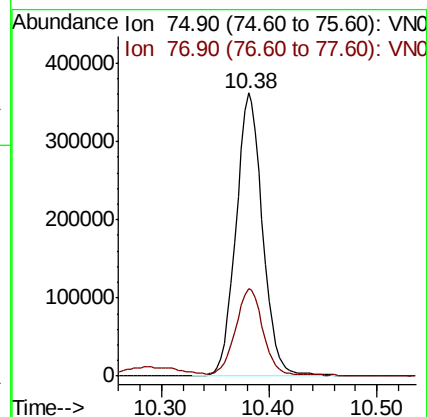
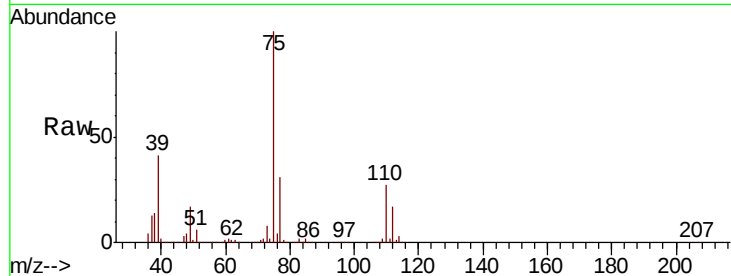
VSTDCCC050

Tot Ion: 75 Resp: 624036

Ion Ratio Lower Upper

75 100

77 30.4 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 50.338 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

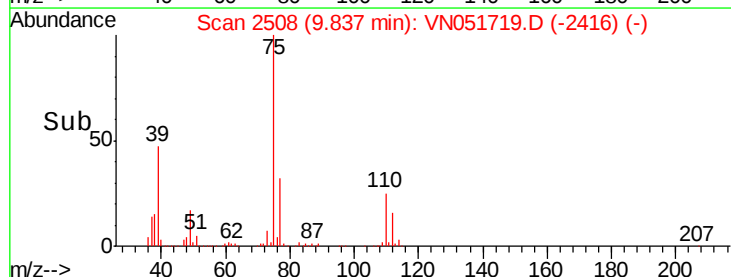
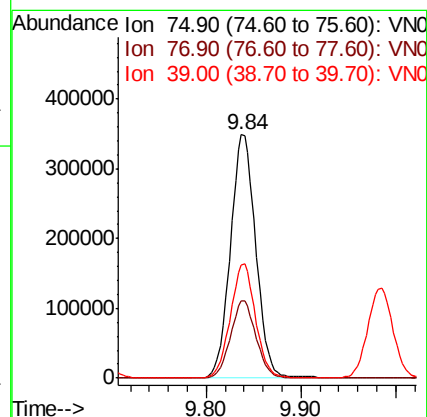
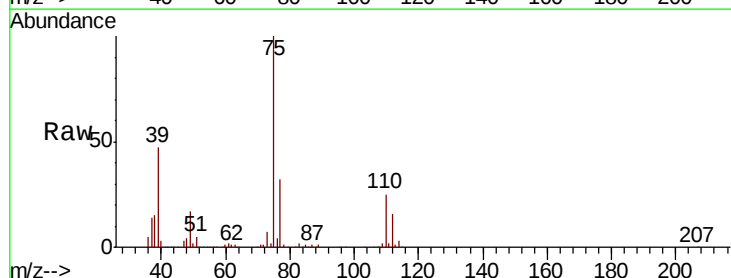
Tgt Ion: 75 Resp: 651376

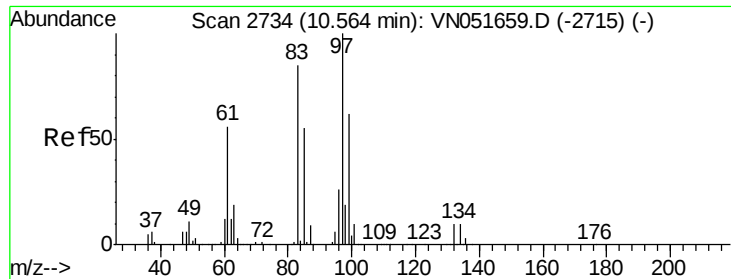
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 46.6 38.1 57.1



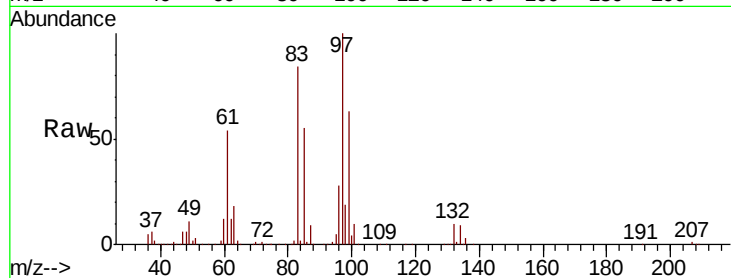


#55
 1,1,2-Trichloroethane
 Concen: 51.651 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

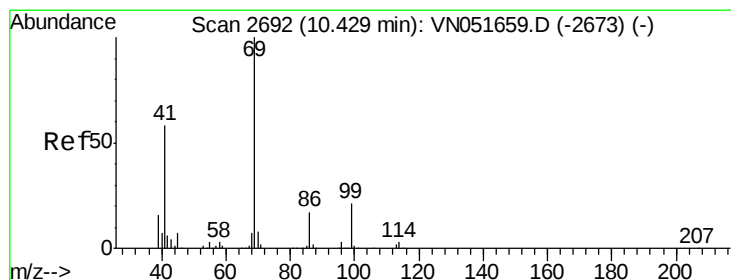
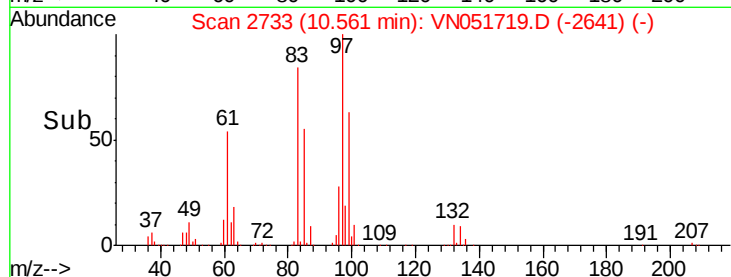
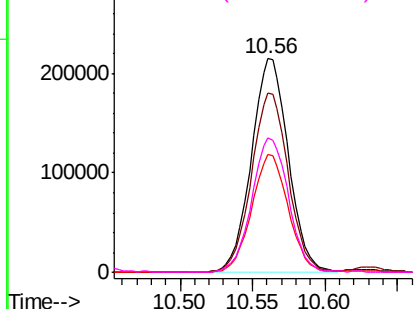
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 382019

Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.1	102.1
85	55.1	43.6	65.4
99	62.8	49.4	74.0



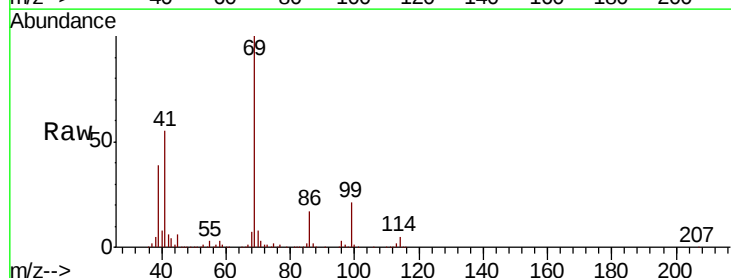
Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO



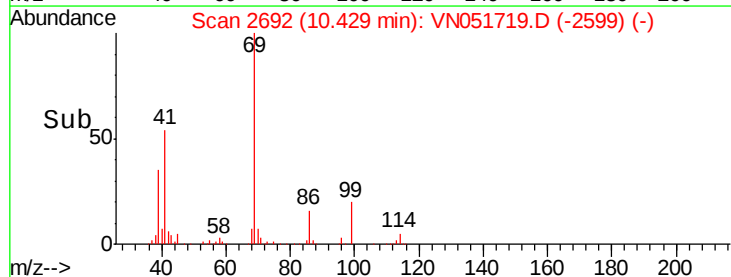
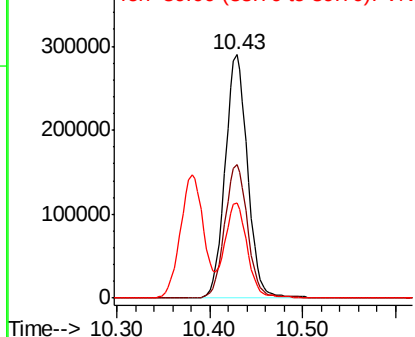
#56
 Ethyl methacrylate
 Concen: 52.049 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

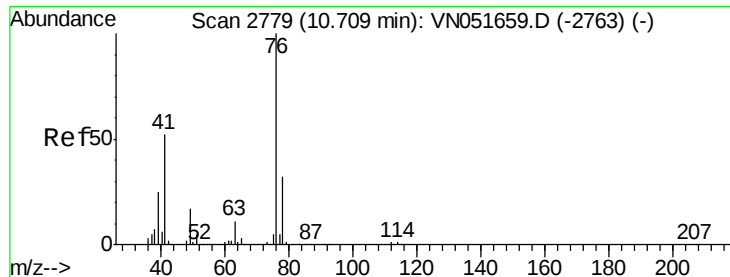
Tgt Ion: 69 Resp: 486826

Ion	Ratio	Lower	Upper
69	100		
41	55.1	46.4	69.6
39	38.6	32.4	48.6



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: 51.320 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

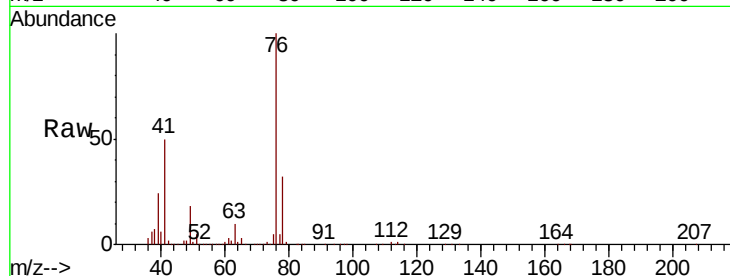
VSTDCCC050

Tot Ion: 76 Resp: 600743

Ion Ratio Lower Upper

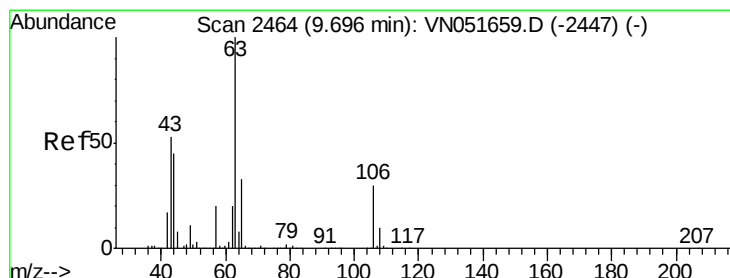
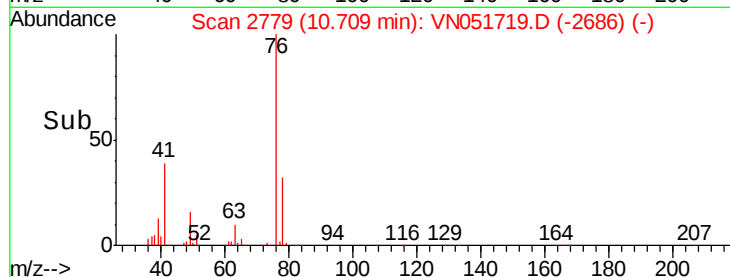
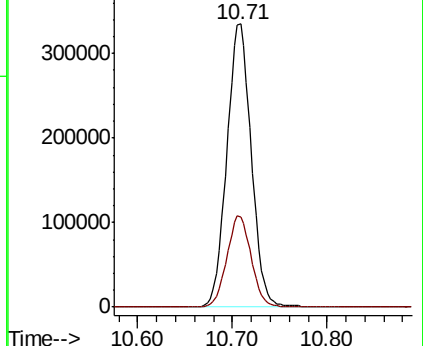
76 100

78 32.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 261.957 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051719.D

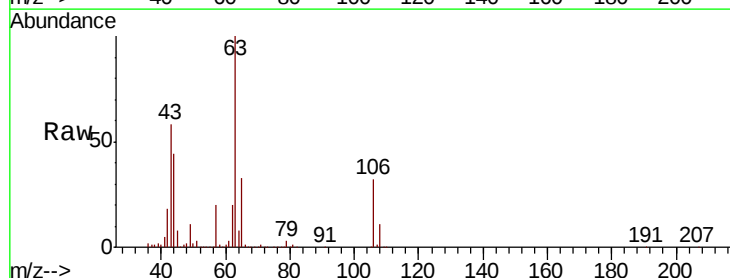
Acq: 8 Oct 2018 8:18

Tgt Ion: 63 Resp: 1014032

Ion Ratio Lower Upper

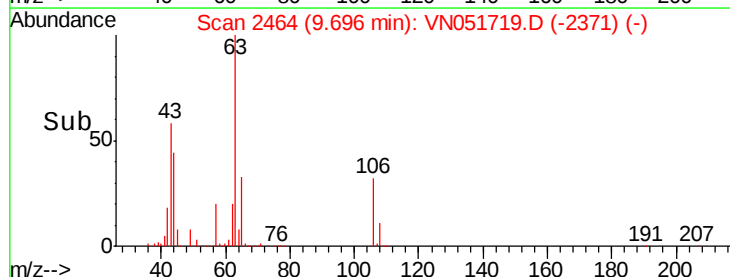
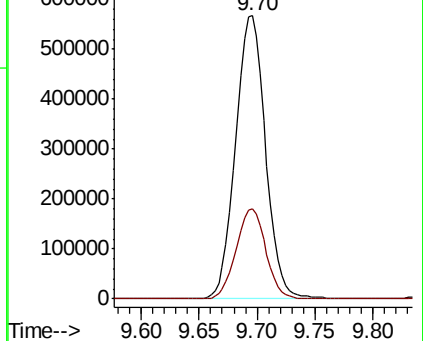
63 100

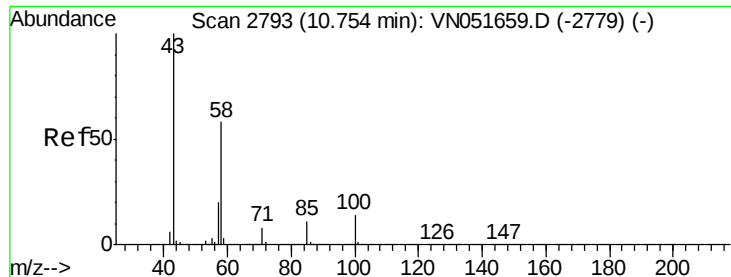
106 31.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

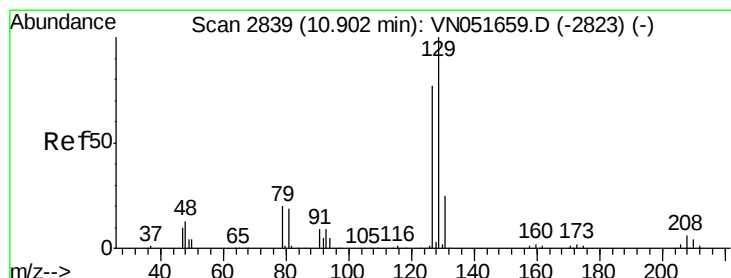
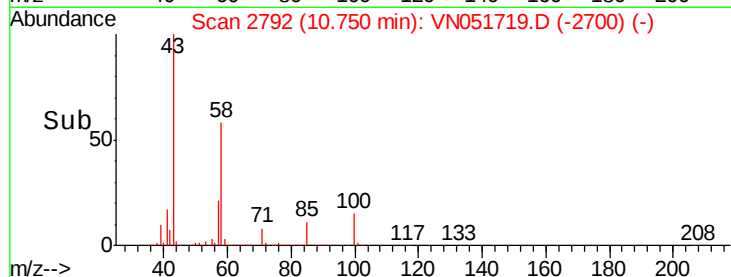
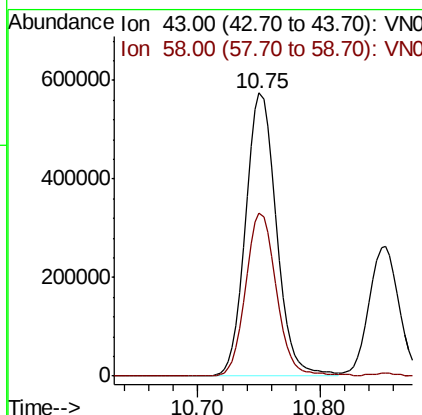
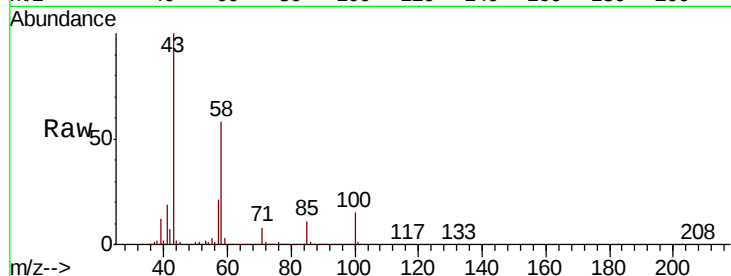




#59
2-Hexanone
Concen: 252.370 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

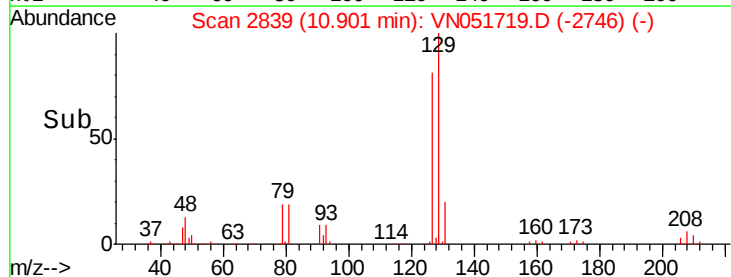
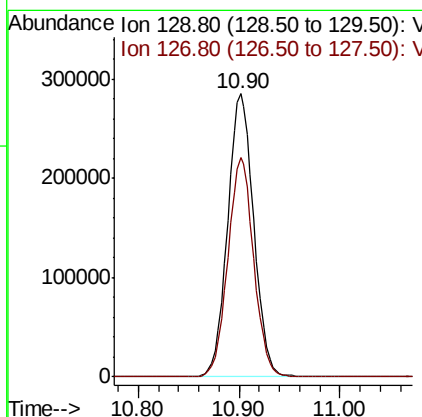
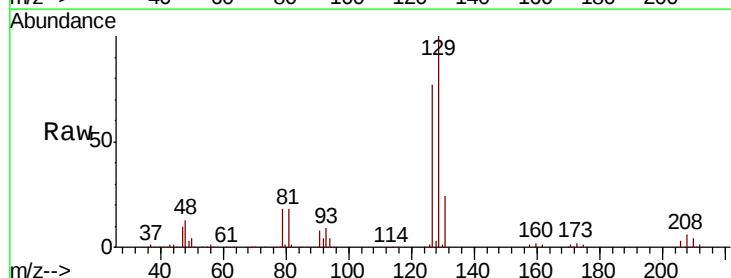
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

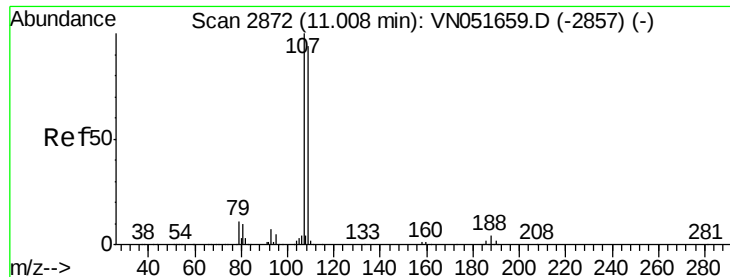
Tot Ion: 43 Resp: 994456
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4



#60
Dibromochloromethane
Concen: 53.170 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 129 Resp: 514635
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7

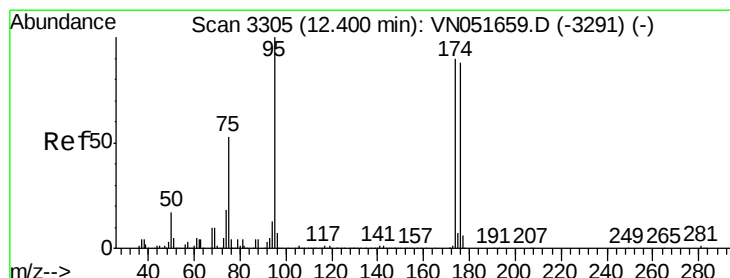
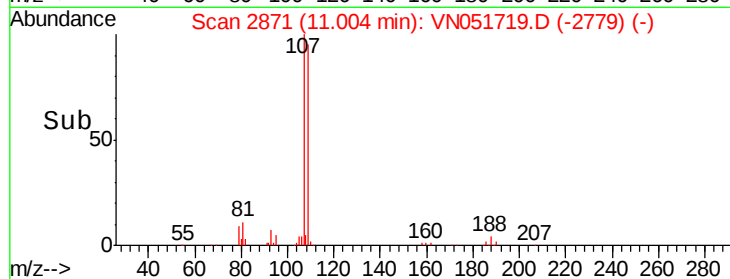
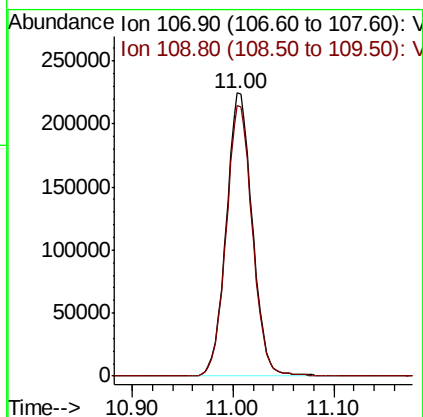
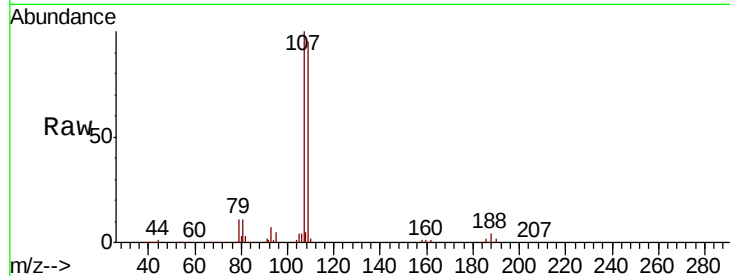




#61
 1,2-Dibromoethane
 Concen: 51.870 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

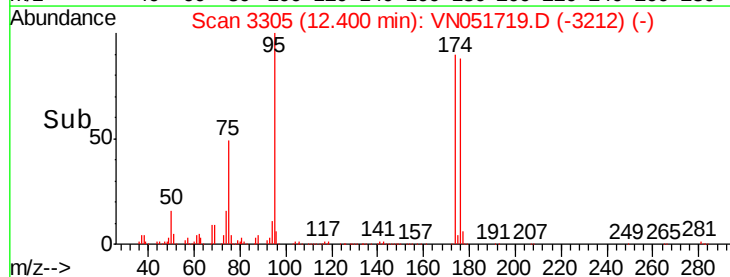
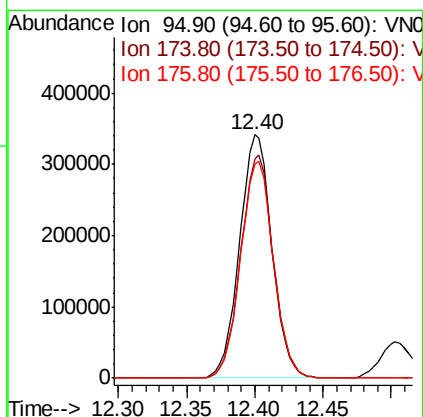
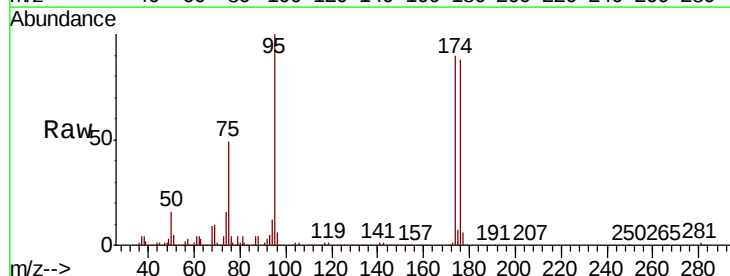
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

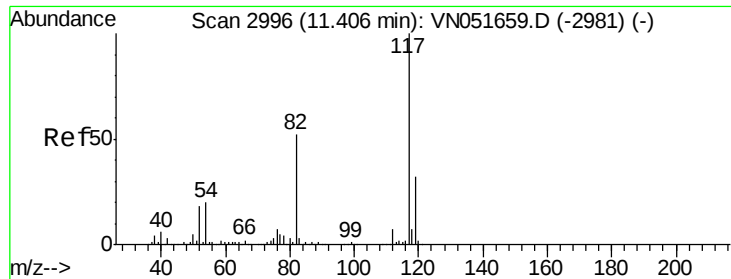
Tot Ion:107 Resp: 405560
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 51.870 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion: 95 Resp: 562123
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 182.8
 176 90.2 0.0 176.4

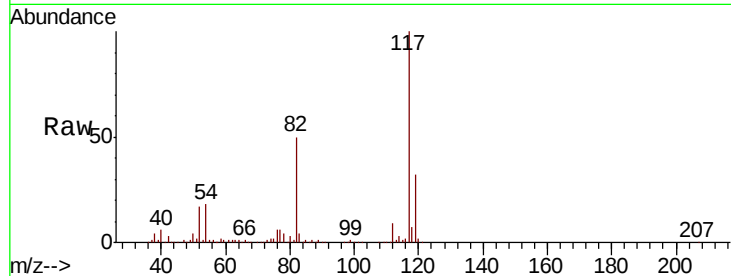




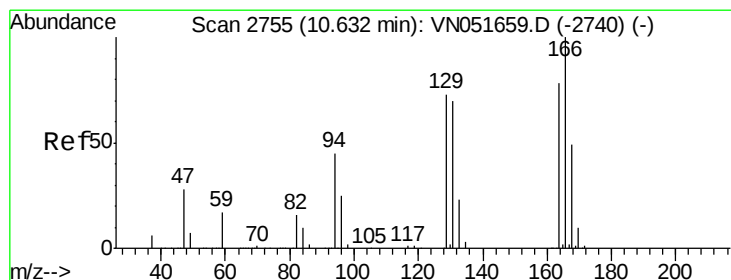
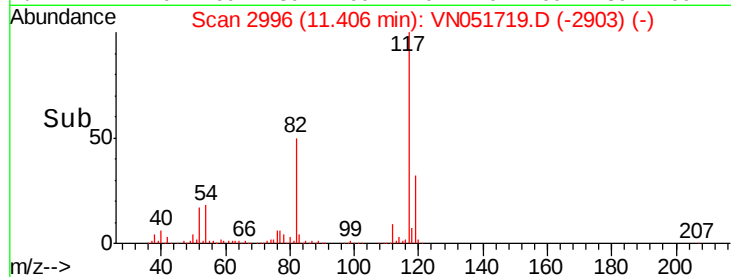
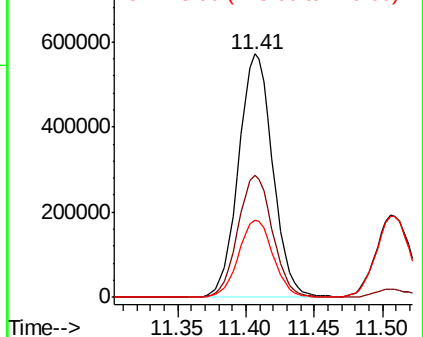
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 996921
Ion Ratio Lower Upper
117 100
82 50.3 41.3 61.9
119 32.0 25.9 38.9

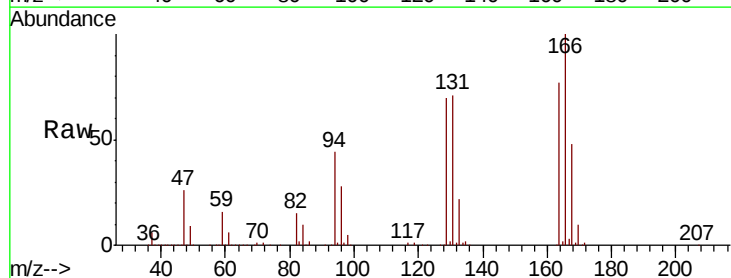


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

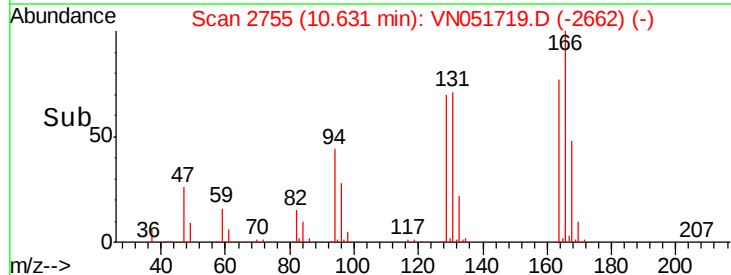
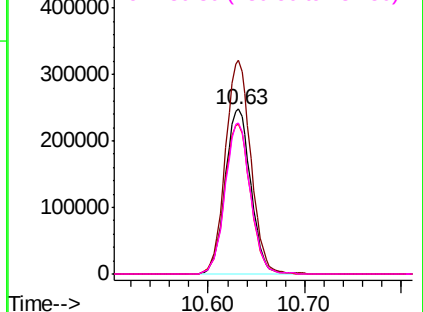


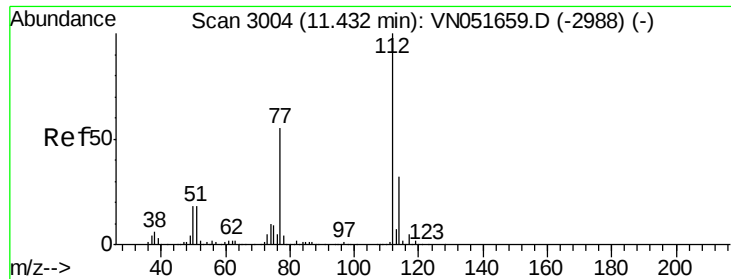
#64
Tetrachloroethene
Concen: 51.587 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion:164 Resp: 453727
Ion Ratio Lower Upper
164 100
166 129.5 103.0 154.6
129 90.9 75.2 112.8
131 91.7 71.7 107.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

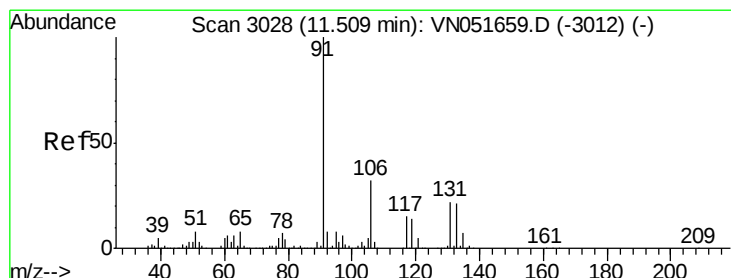
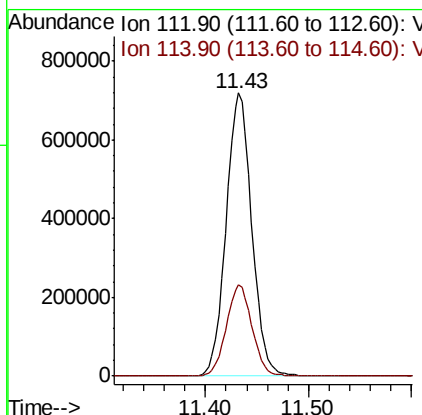
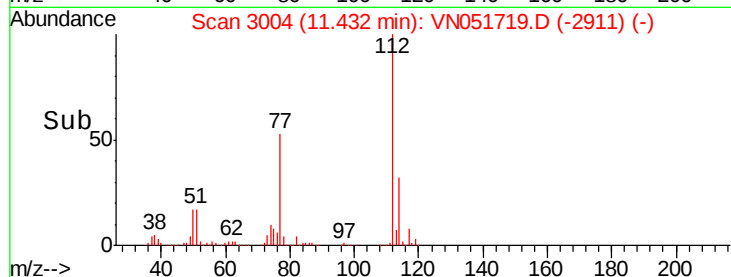
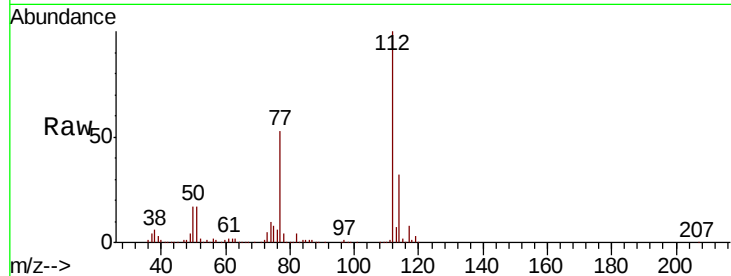




#65
Chlorobenzene
Concen: 50.407 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

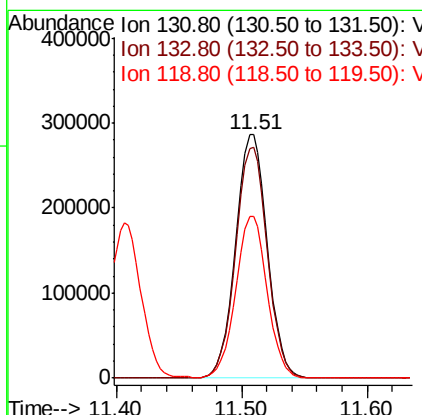
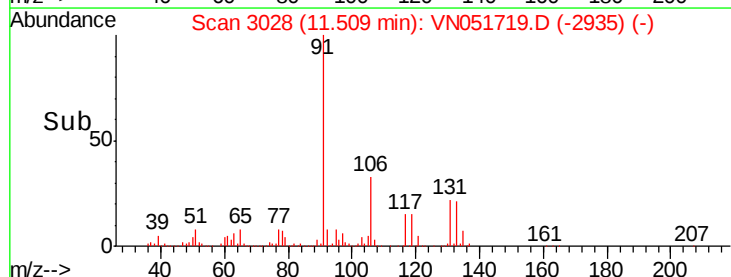
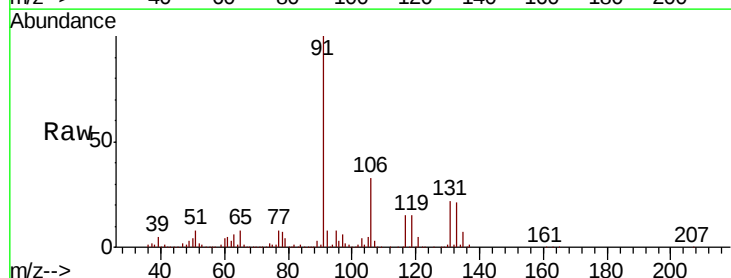
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

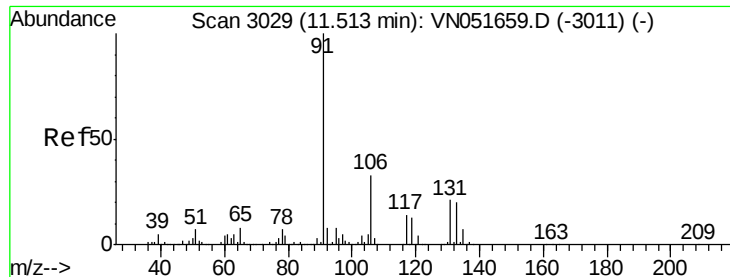
Tot Ion:112 Resp: 1244581
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.797 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion:131 Resp: 502188
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.8
119 66.0 32.0 96.0

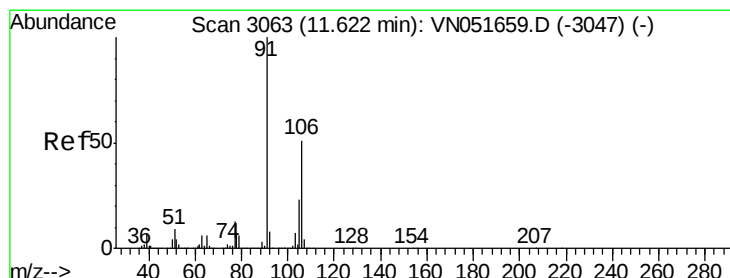
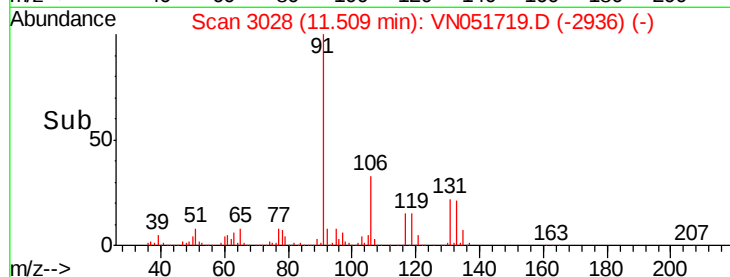
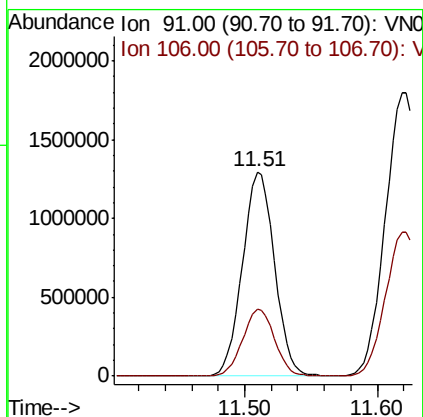
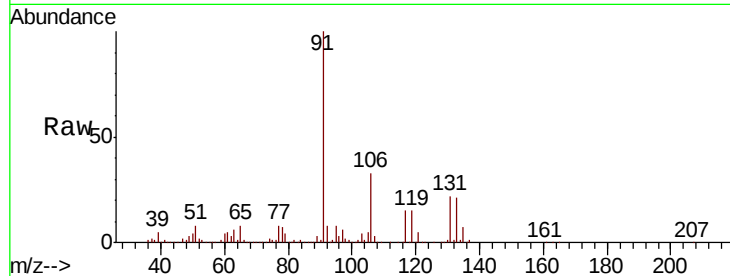




#67
Ethyl Benzene
Concen: 51.028 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

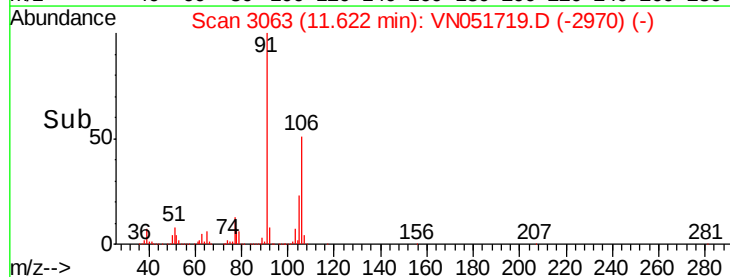
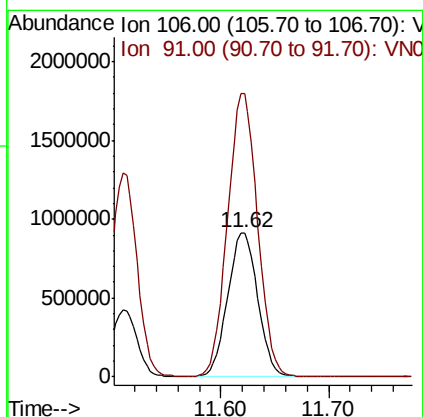
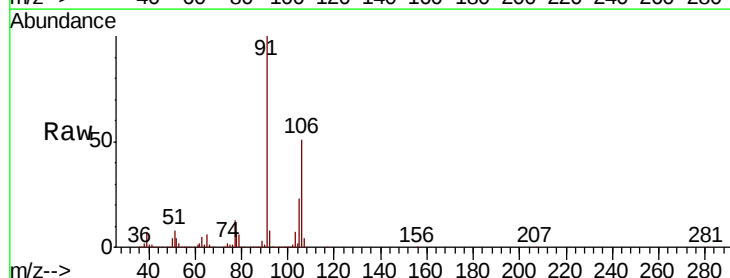
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

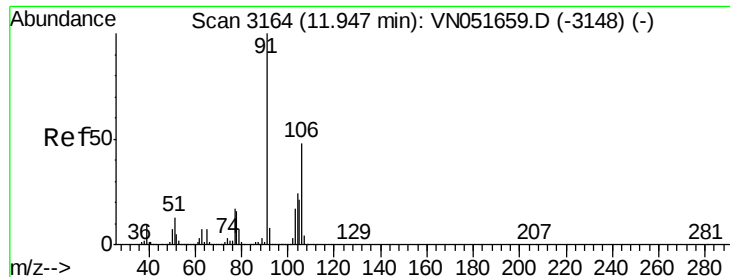
Tot Ion: 91 Resp: 2177662
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0



#68
m/p-Xylenes
Concen: 103.877 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 106 Resp: 1773733
Ion Ratio Lower Upper
106 100
91 195.9 158.4 237.6

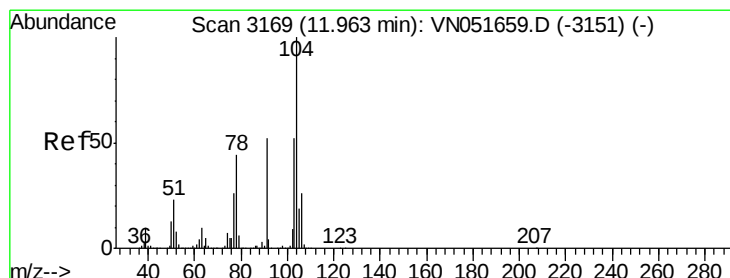
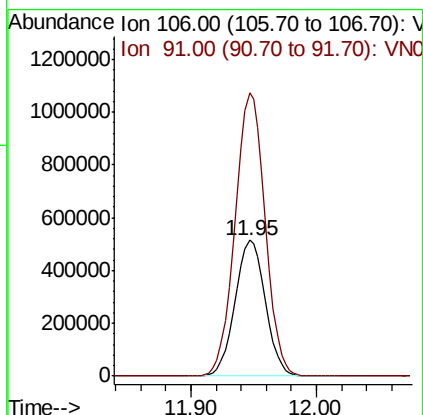
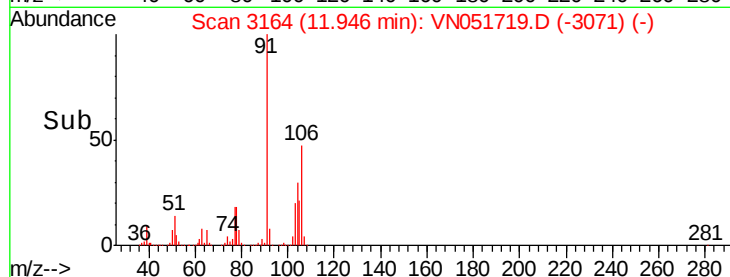
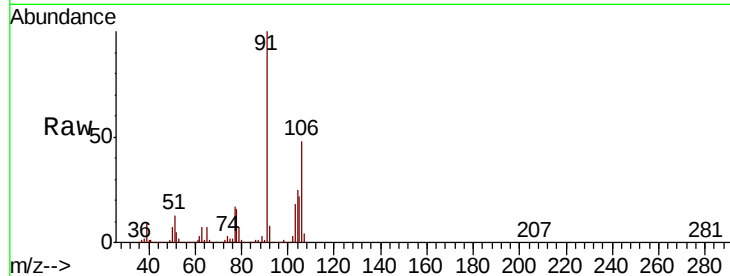




#69
o-Xylene
Concen: 51.587 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

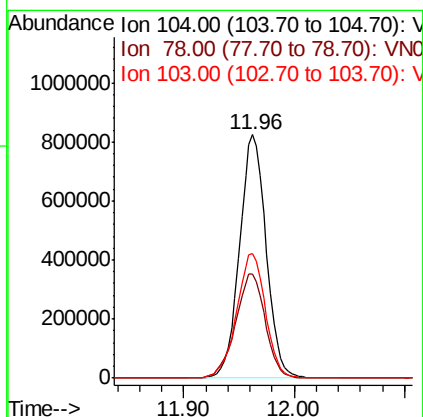
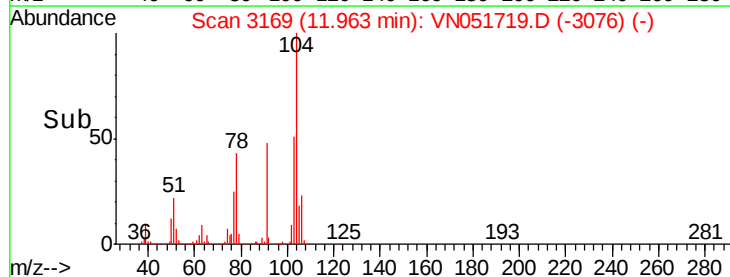
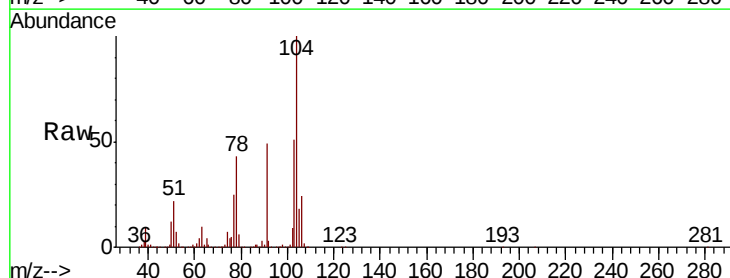
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

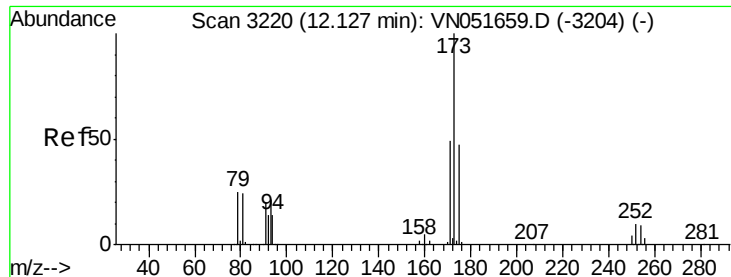
Tot Ion:106 Resp: 863863
Ion Ratio Lower Upper
106 100
91 206.5 104.4 313.2



#70
Styrene
Concen: 51.363 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion:104 Resp: 1370543
Ion Ratio Lower Upper
104 100
78 47.7 39.3 58.9
103 55.6 45.0 67.6

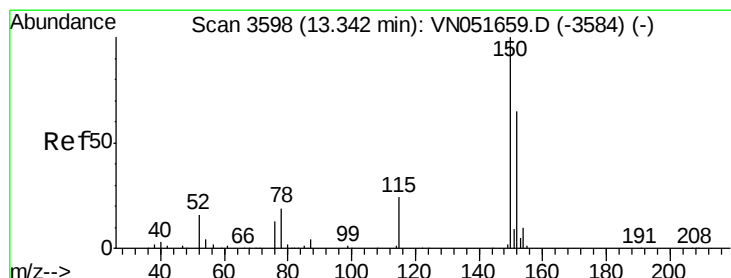
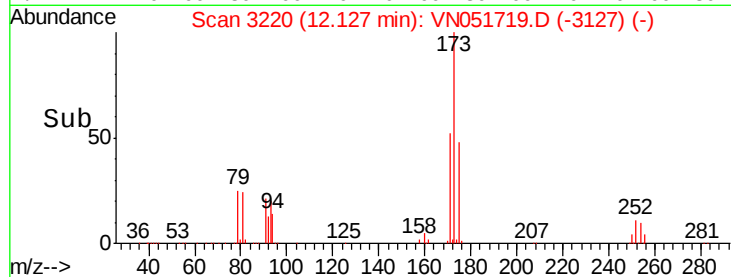
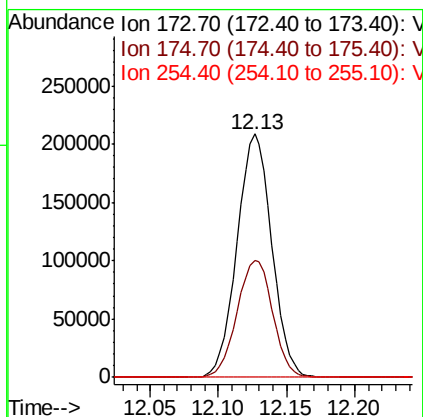
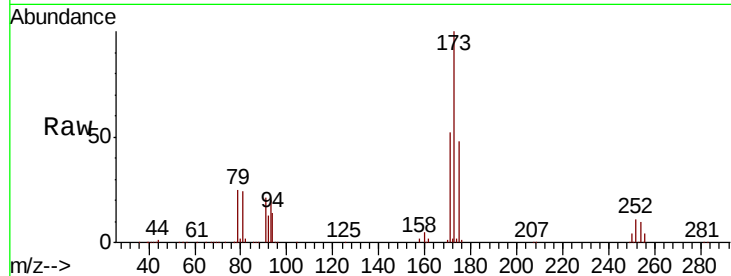




#71
Bromoform
Concen: 50.205 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

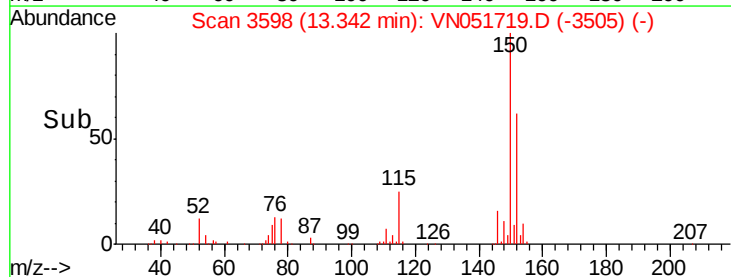
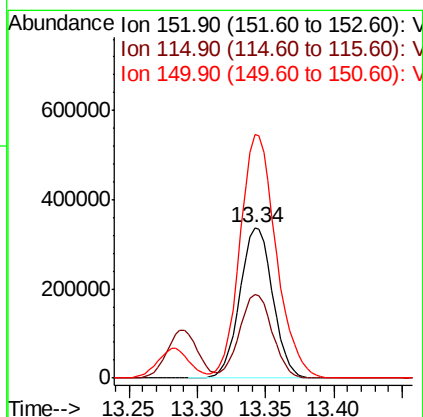
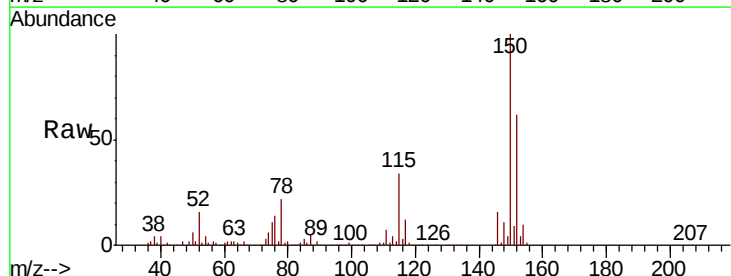
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

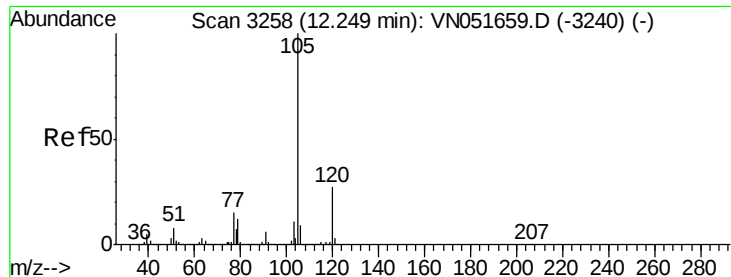
Tot Ion:173 Resp: 369173
Ion Ratio Lower Upper
173 100
175 49.3 24.0 72.0
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion:152 Resp: 562818
Ion Ratio Lower Upper
152 100
115 55.7 28.6 85.8
150 178.4 0.0 352.4





#73

Isopropylbenzene

Concen: 48.626 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

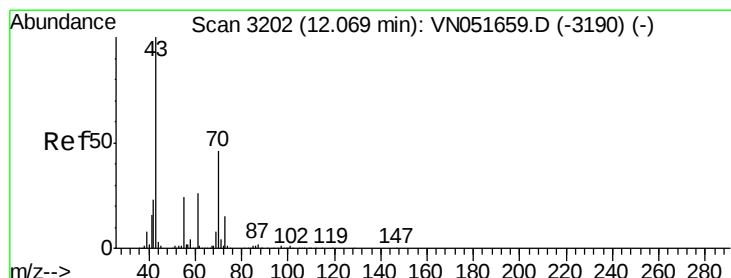
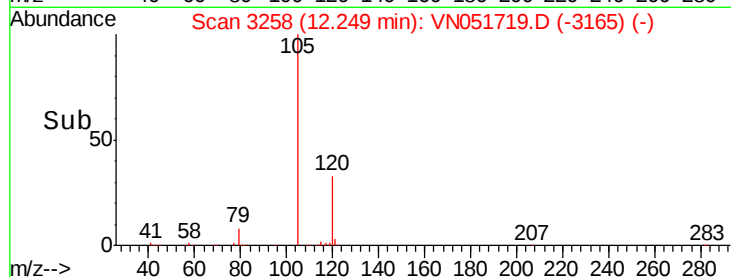
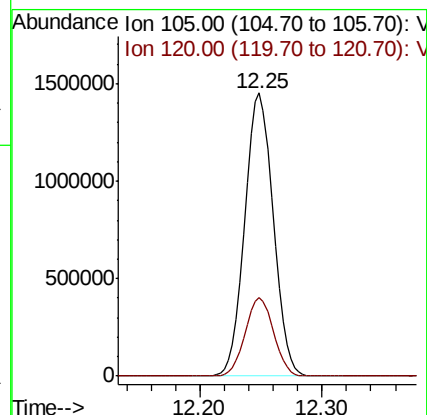
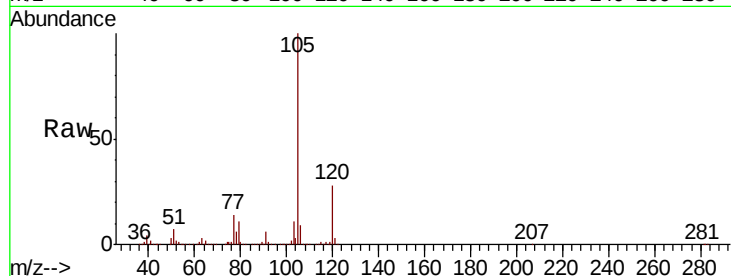
VSTDCCC050

Tot Ion:105 Resp: 2332908

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.6



#74

N-ethyl acetate

Concen: 47.558 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Tgt Ion: 43 Resp: 473168

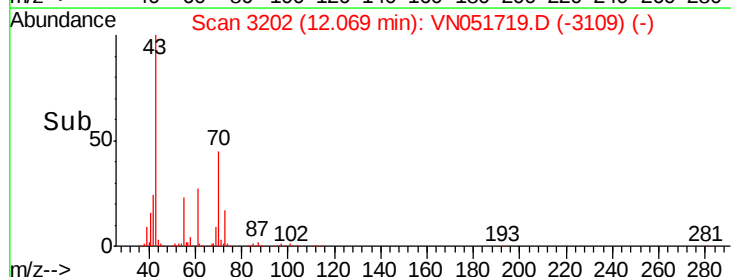
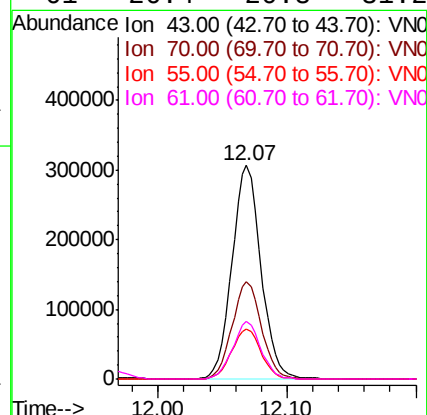
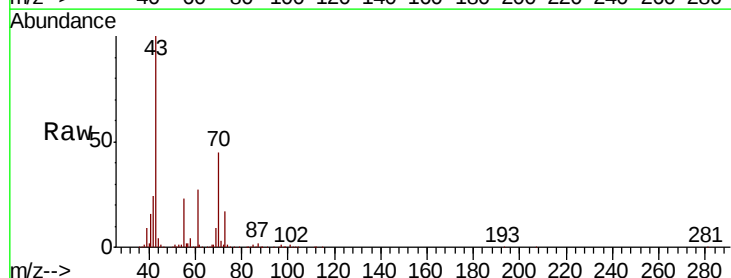
Ion Ratio Lower Upper

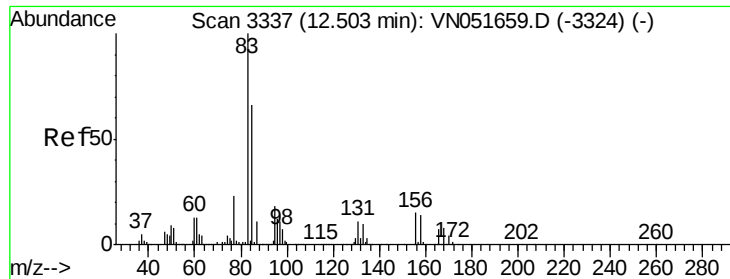
43 100

70 46.4 37.1 55.7

55 23.8 19.1 28.7

61 26.4 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.485 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

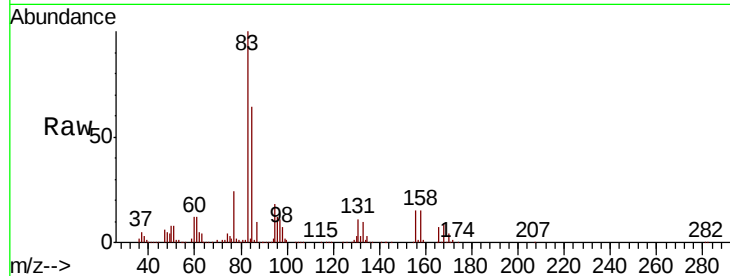
Tot Ion: 83 Resp: 469270

Ion Ratio Lower Upper

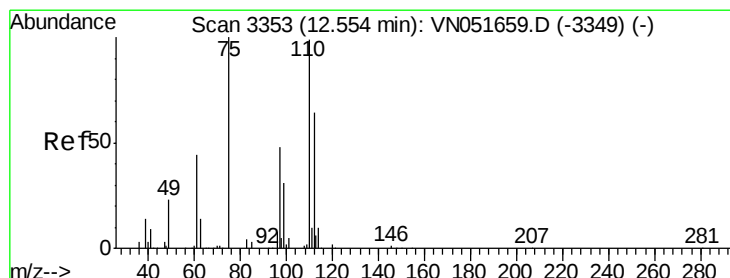
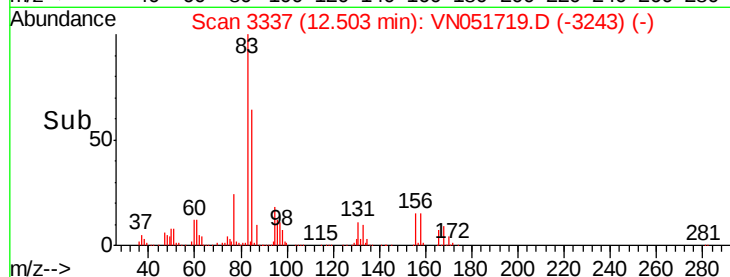
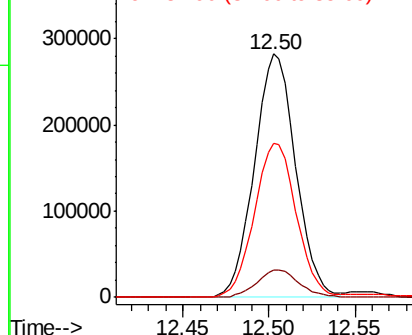
83 100

131 11.6 5.7 17.1

85 64.3 33.0 98.9



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



#76

1,2,3-Trichloropropane

Concen: 88.326 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051719.D

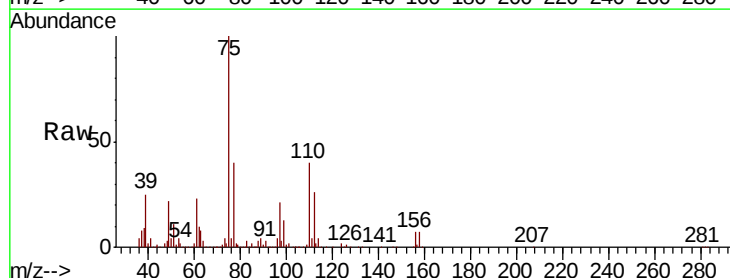
Acq: 8 Oct 2018 8:18

Tgt Ion: 75 Resp: 595682

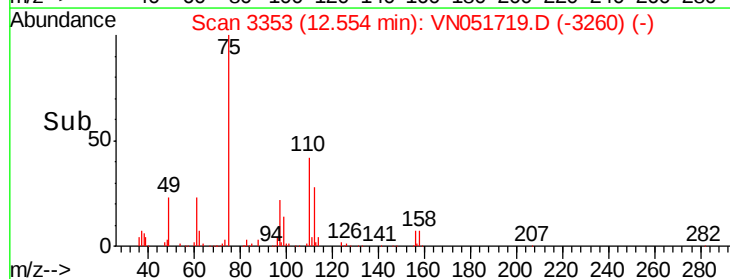
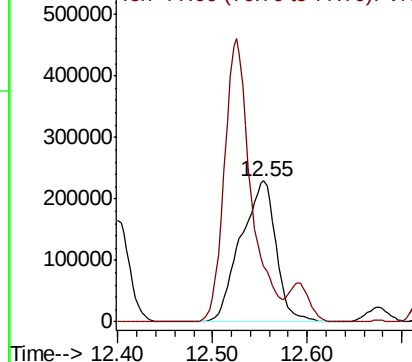
Ion Ratio Lower Upper

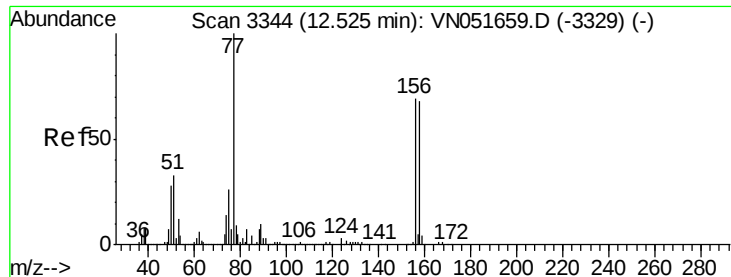
75 100

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: 48.660 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

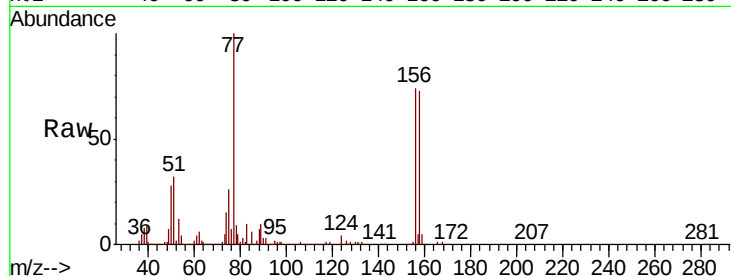
Tot Ion:156 Resp: 570829

Ion Ratio Lower Upper

156 100

77 158.2 83.2 249.4

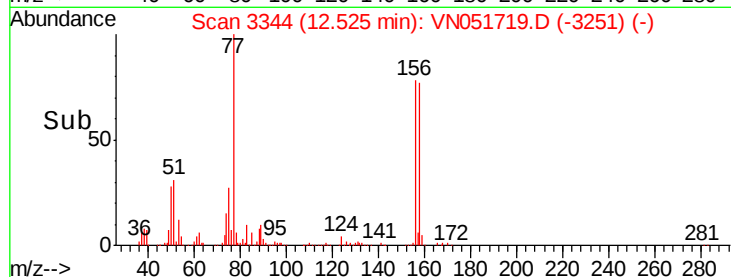
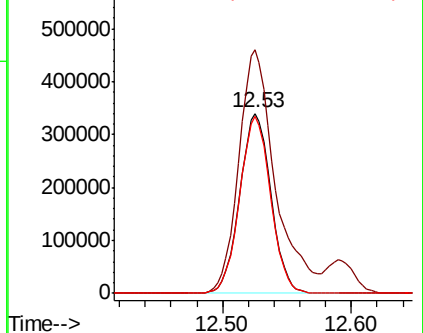
158 97.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.933 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051719.D

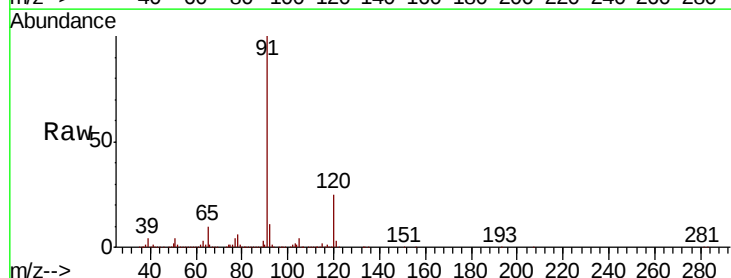
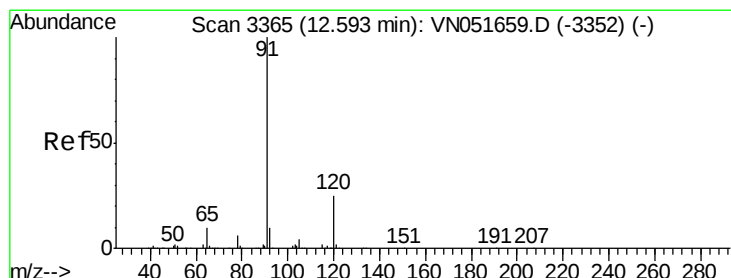
Acq: 8 Oct 2018 8:18

Tgt Ion: 91 Resp: 2560591

Ion Ratio Lower Upper

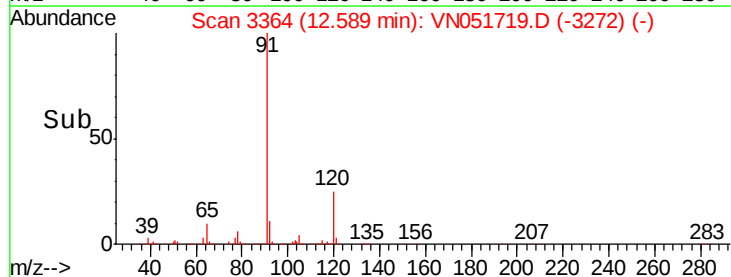
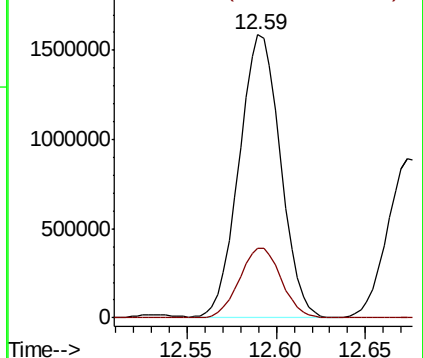
91 100

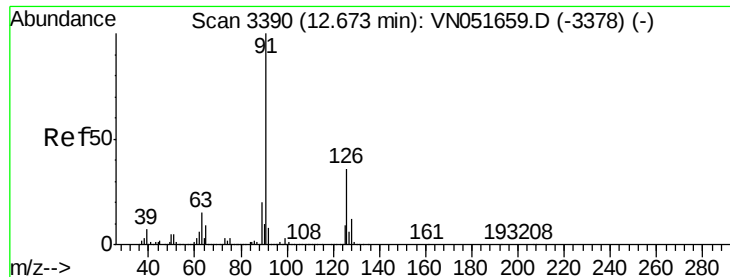
120 24.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.412 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

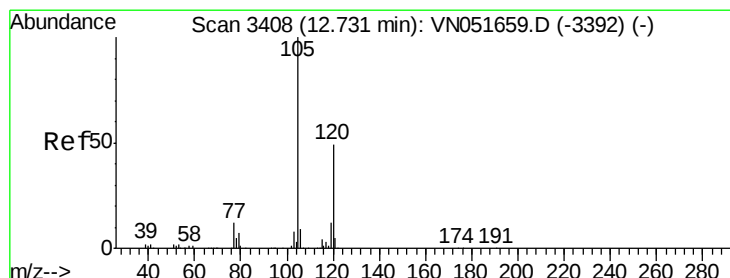
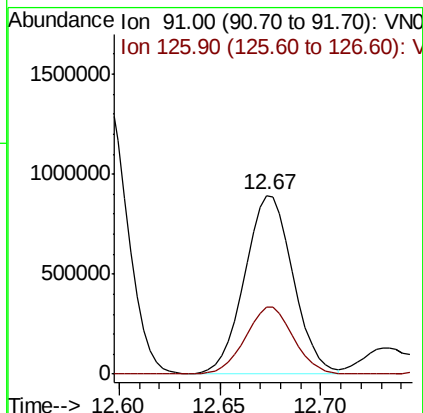
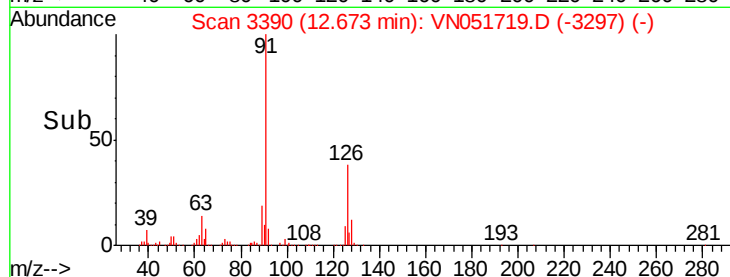
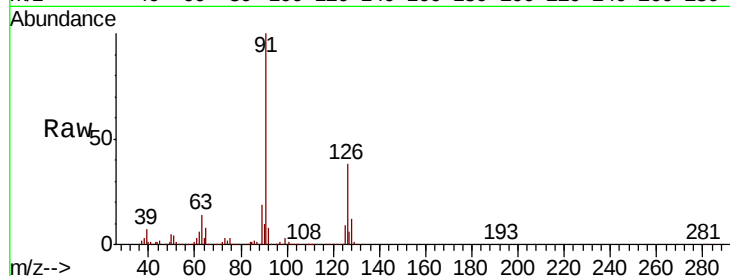
VSTDCCC050

Tot Ion: 91 Resp: 1493040

Ion Ratio Lower Upper

91 100

126 37.6 18.5 55.5



#80

1,3,5-Trimethylbenzene

Concen: 48.959 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051719.D

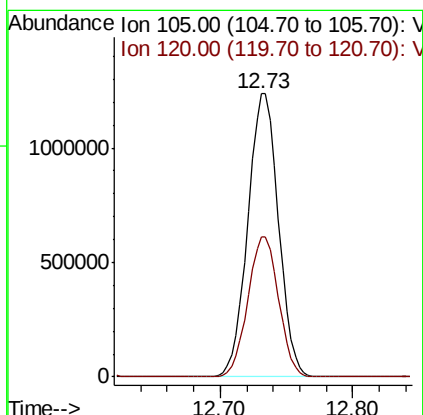
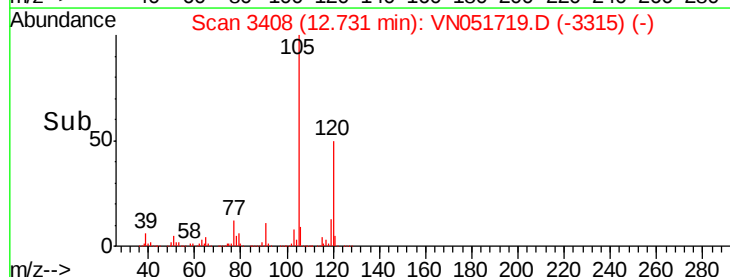
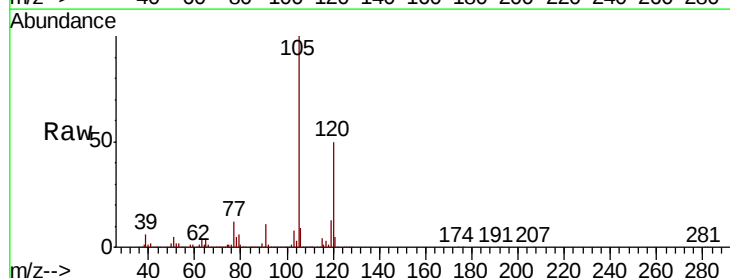
Acq: 8 Oct 2018 8:18

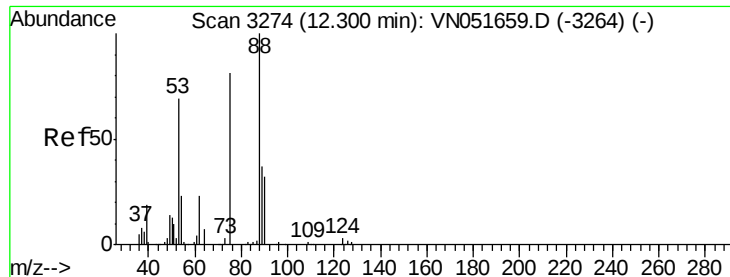
Tgt Ion:105 Resp: 1979493

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.523 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

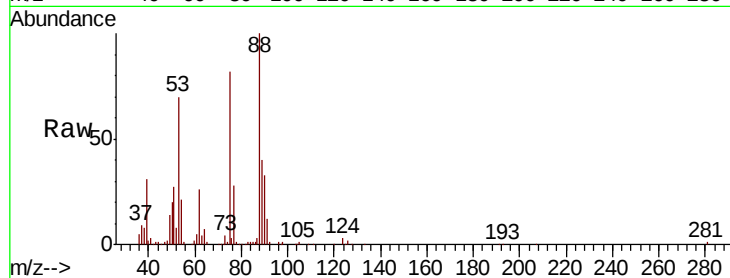
Tot Ion: 75 Resp: 142445

Ion Ratio Lower Upper

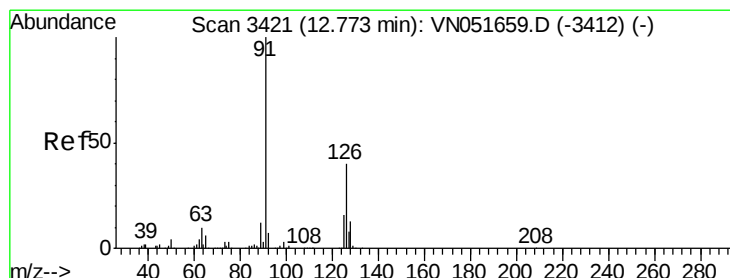
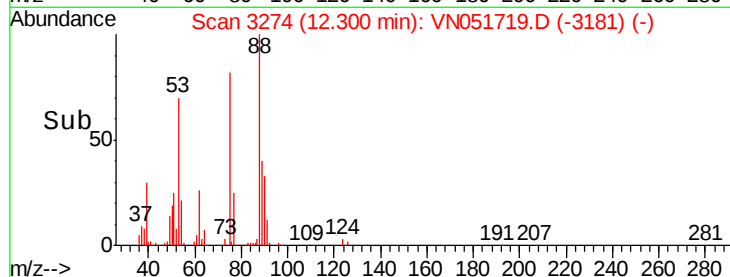
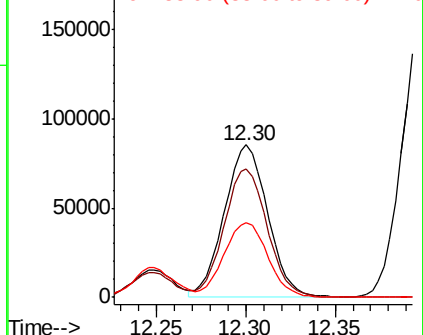
75 100

53 85.7 68.6 102.8

89 50.2 39.4 59.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 48.571 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051719.D

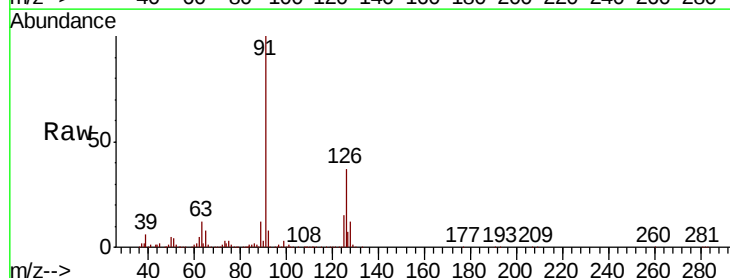
Acq: 8 Oct 2018 8:18

Tgt Ion: 91 Resp: 1504791

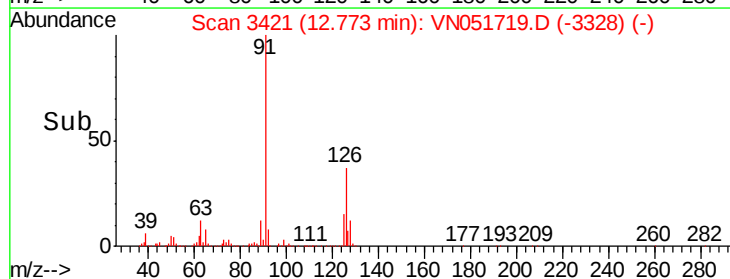
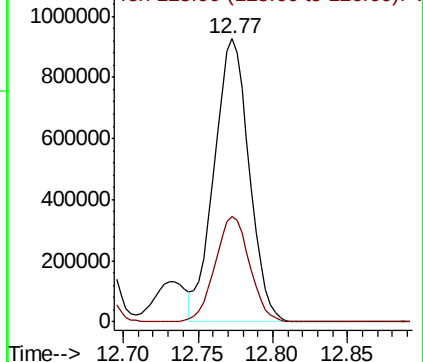
Ion Ratio Lower Upper

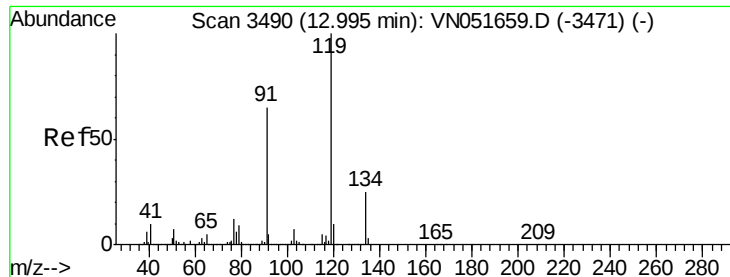
91 100

126 37.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

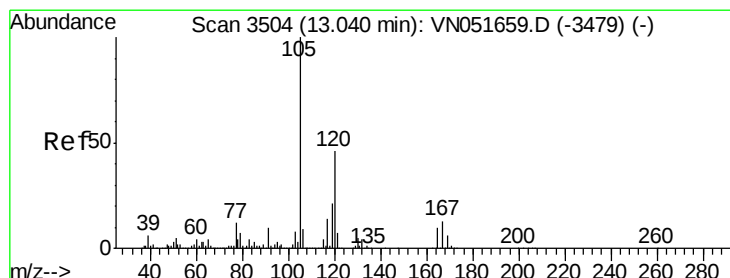
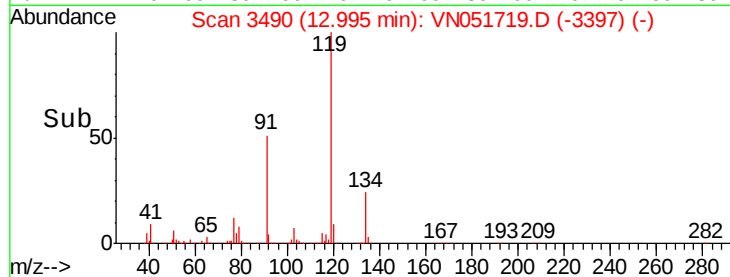
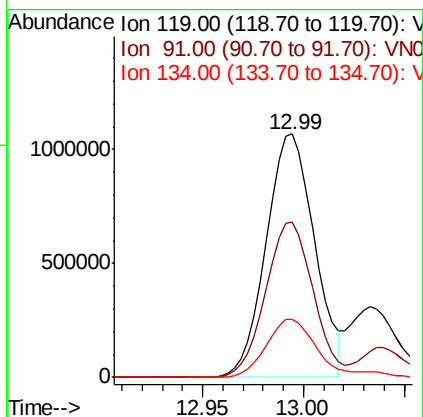
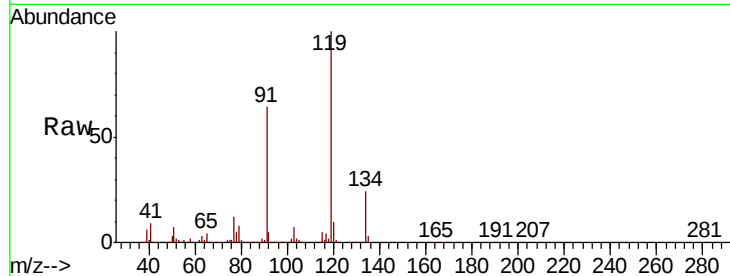




#83
 tert-Butylbenzene
 Concen: 49.101 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

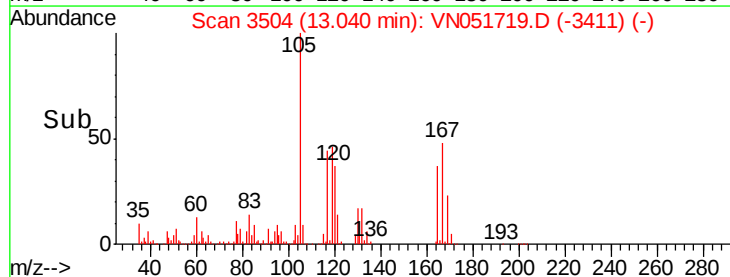
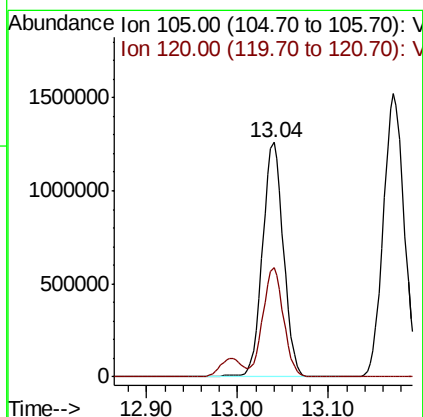
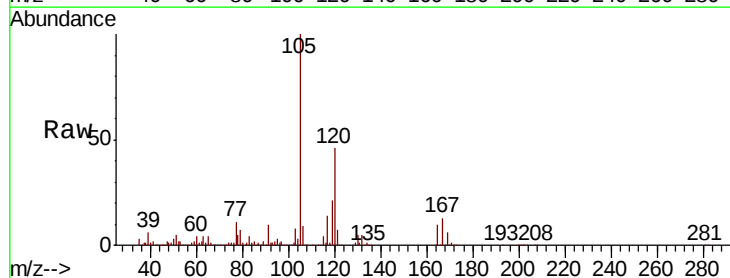
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

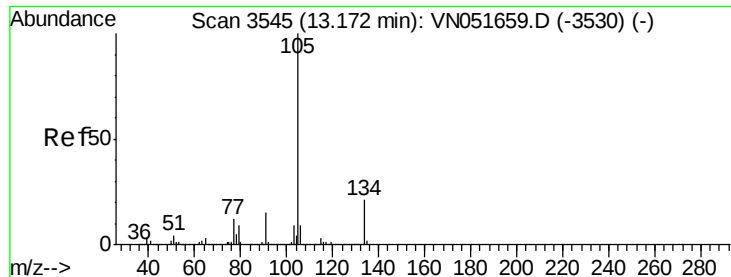
Tot Ion:119 Resp: 1778875
 Ion Ratio Lower Upper
 119 100
 91 62.6 32.1 96.5
 134 25.9 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.555 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion:105 Resp: 2006882
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.7





#85

sec-Butylbenzene

Concen: 50.286 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

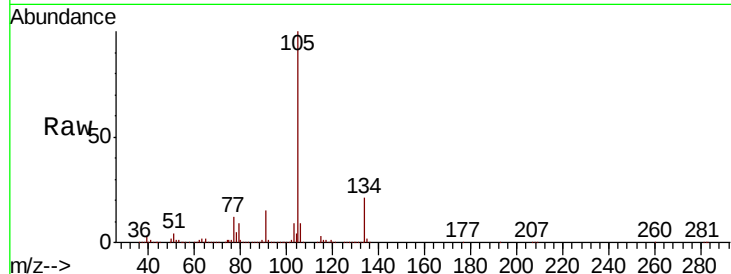
VSTDCCC050

Tot Ion:105 Resp: 2409835

Ion Ratio Lower Upper

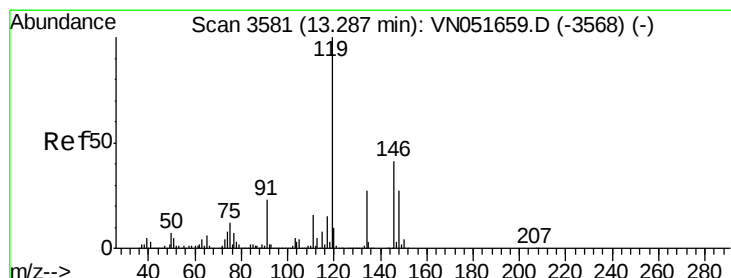
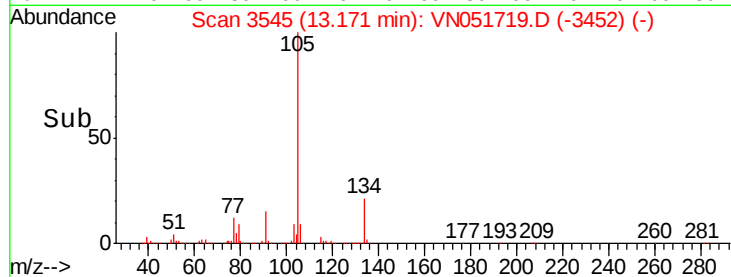
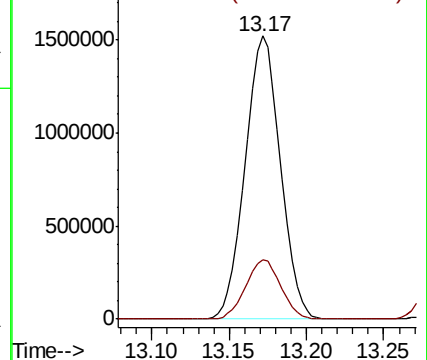
105 100

134 21.0 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.830 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

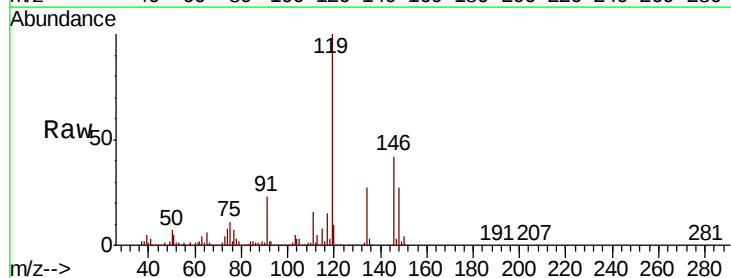
Tgt Ion:119 Resp: 2159459

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

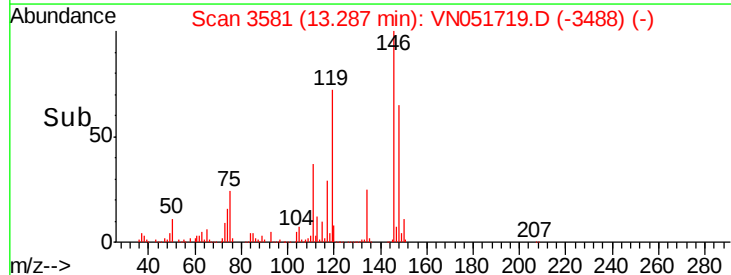
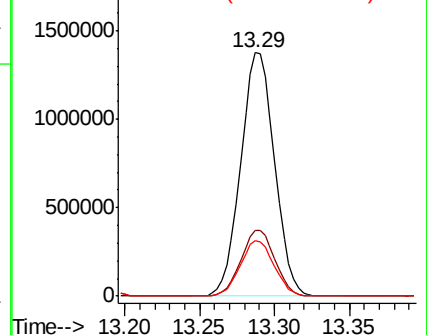
91 22.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.583 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

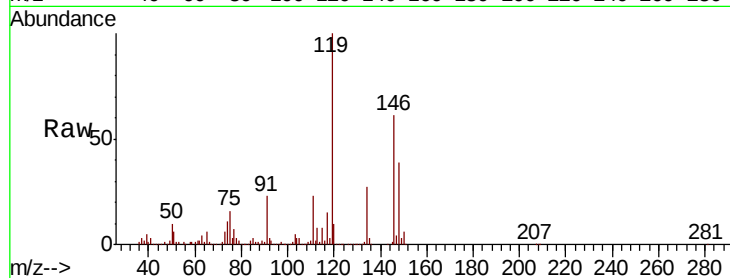
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1054413

Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.3	57.9
148	63.8	32.5	97.5

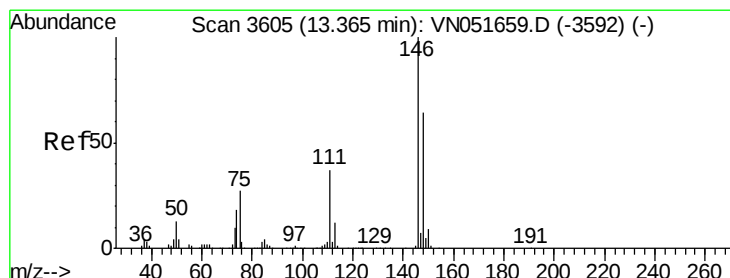
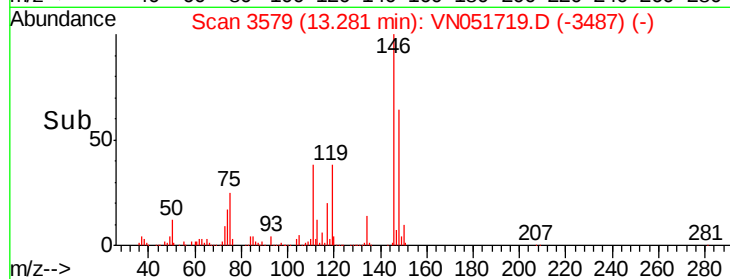
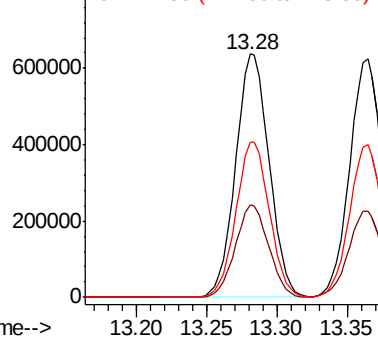


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.598 ug/l

RT: 13.36 min Scan# 3605

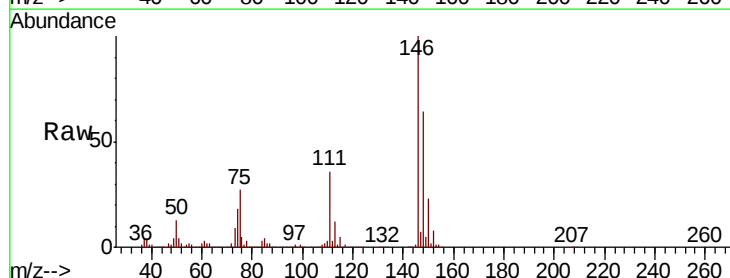
Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Tgt Ion:146 Resp: 1018039

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	64.2	32.3	96.8

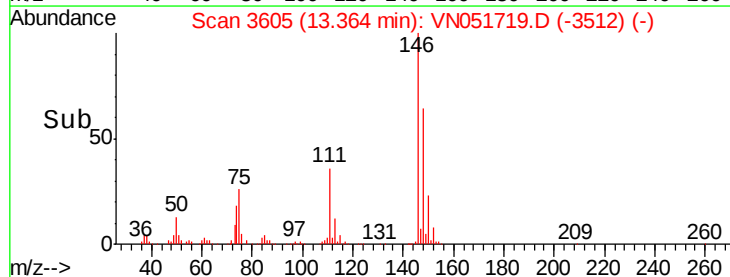
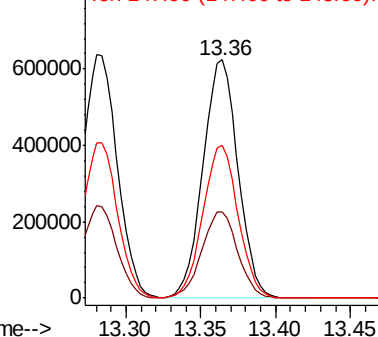


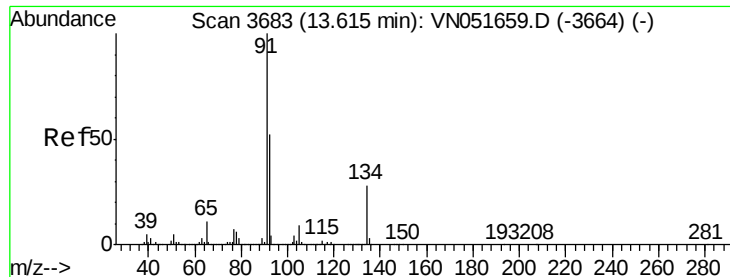
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

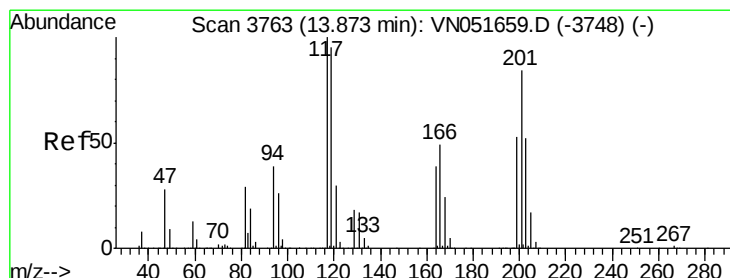
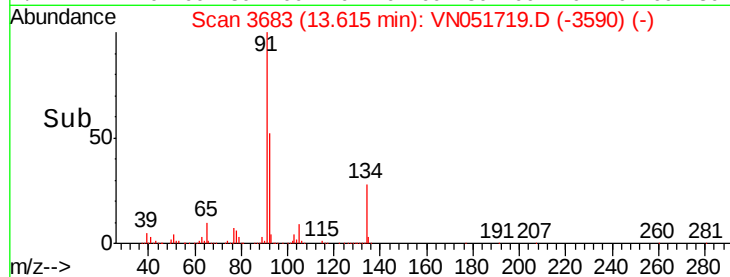
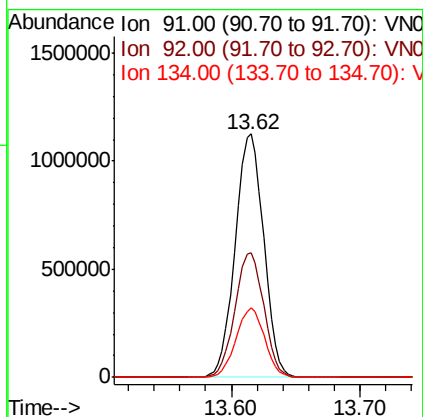
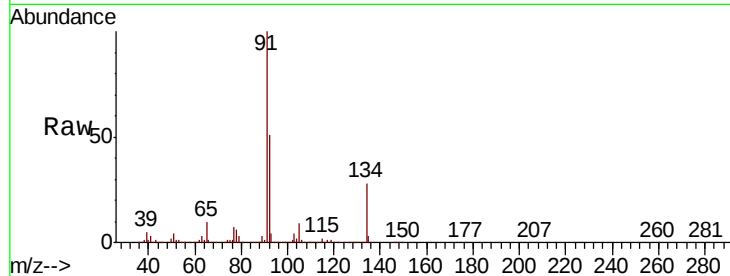




#89
n-Butylbenzene
Concen: 51.452 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

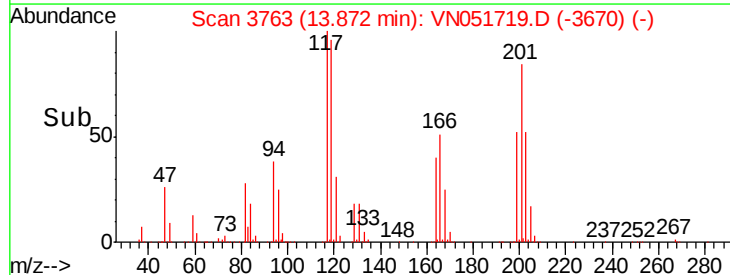
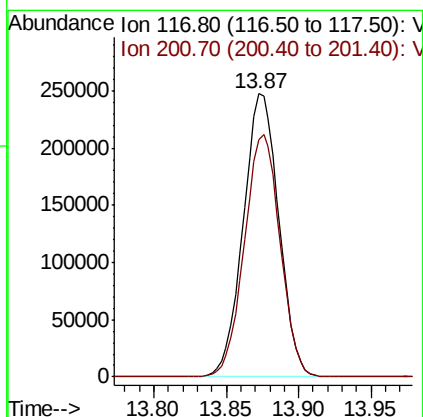
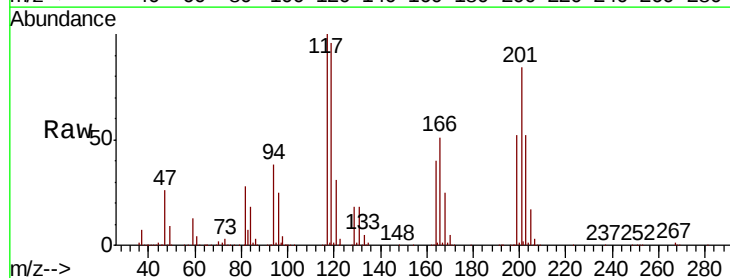
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

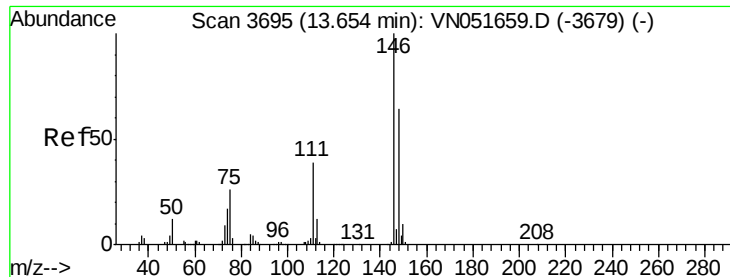
Tot Ion: 91 Resp: 1728320
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 28.5 14.2 42.6



#90
Hexachloroethane
Concen: 49.988 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051719.D
Acq: 8 Oct 2018 8:18

Tgt Ion: 117 Resp: 423715
Ion Ratio Lower Upper
117 100
201 85.8 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 50.242 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

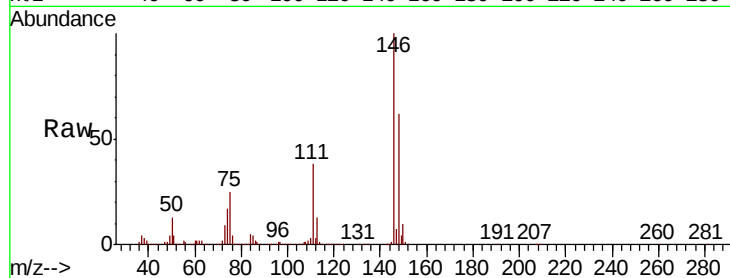
Tot Ion:146 Resp: 1020951

Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.0

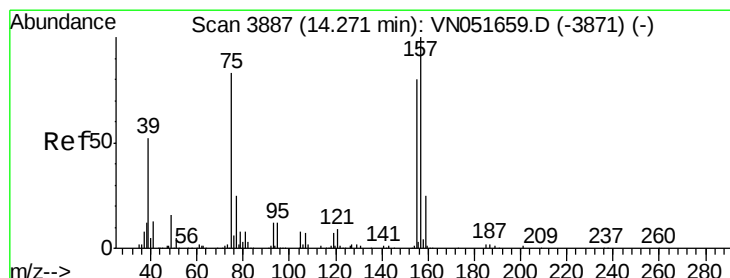
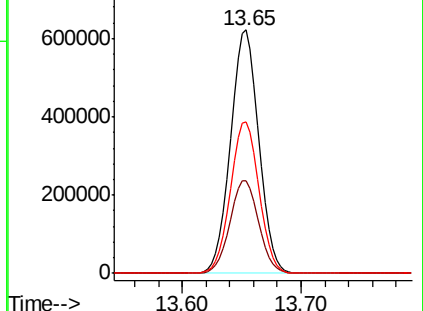
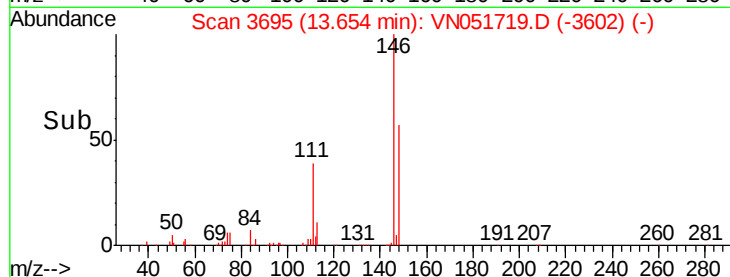
148 63.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.071 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

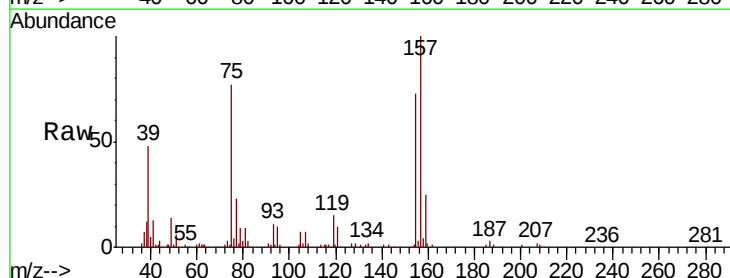
Tgt Ion: 75 Resp: 79331

Ion Ratio Lower Upper

75 100

155 95.2 47.6 142.9

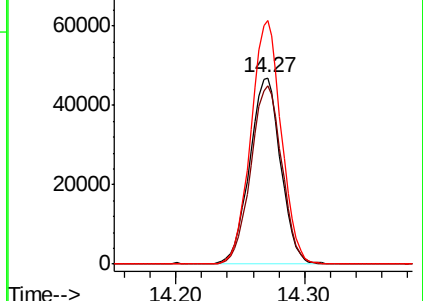
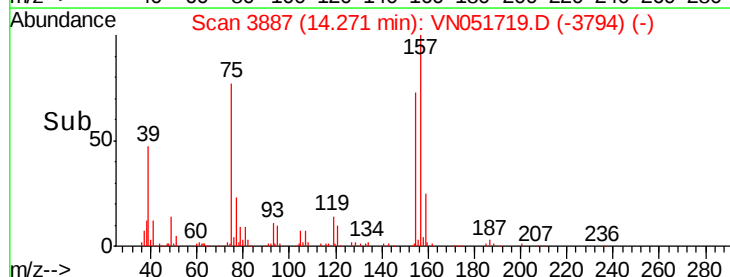
157 127.1 61.7 185.1

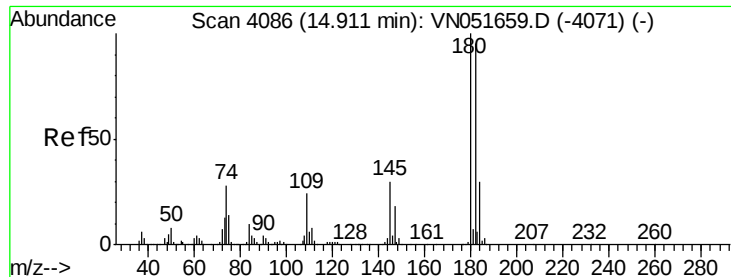


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

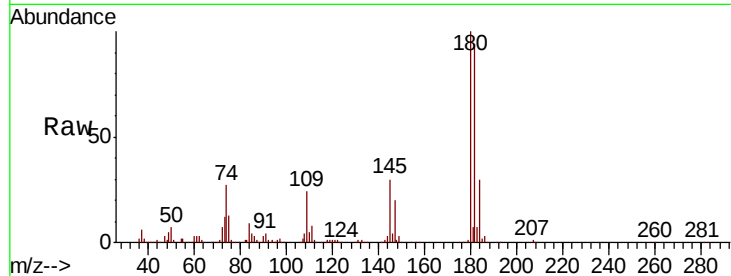




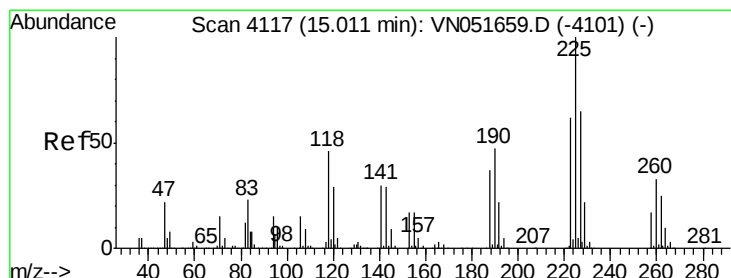
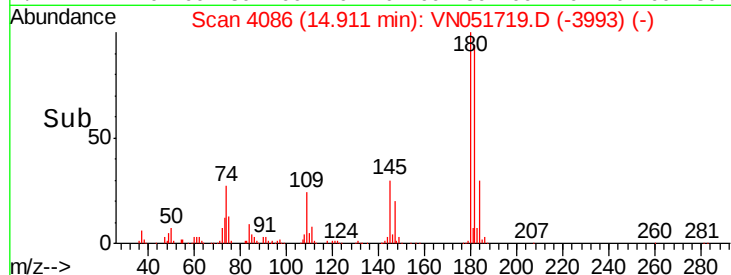
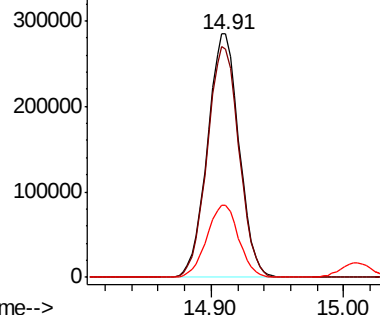
#93
 1,2,4-Trichlorobenzene
 Concen: 51.998 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.7	143.1
145	29.9	15.3	45.9

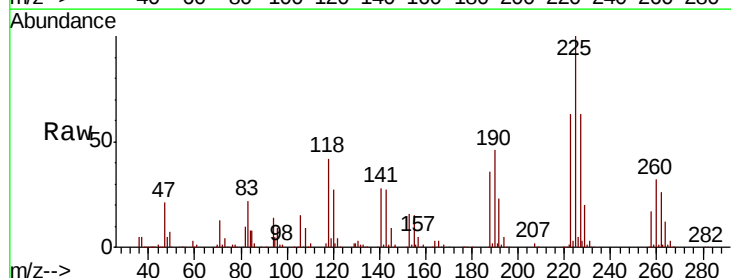


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

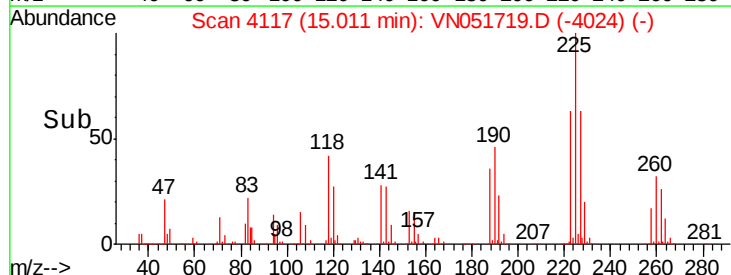
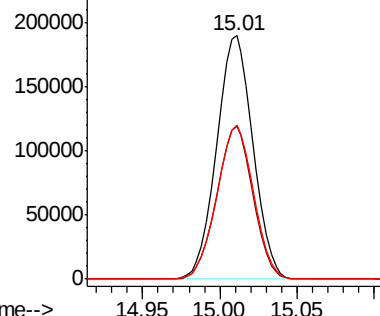


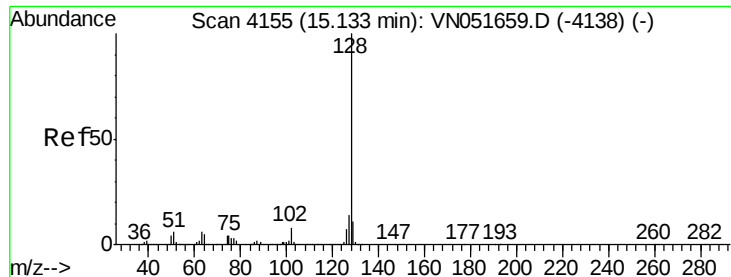
#94
 Hexachlorobutadiene
 Concen: 50.562 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051719.D
 Acq: 8 Oct 2018 8:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.5
227	63.7	31.7	95.1



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





#95

Naphthalene

Concen: 47.440 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

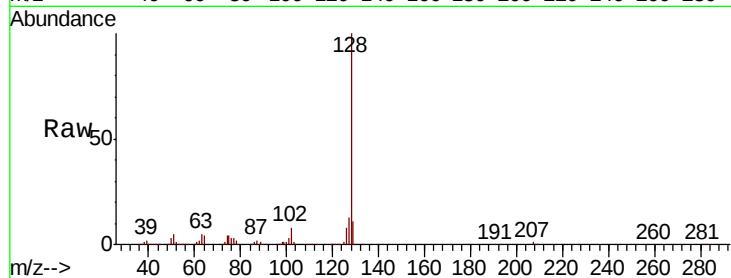
Tot Ion:128 Resp: 926341

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

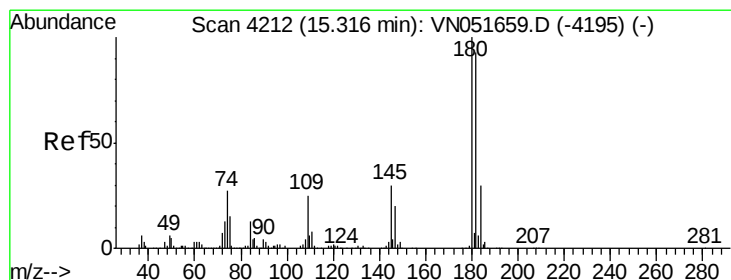
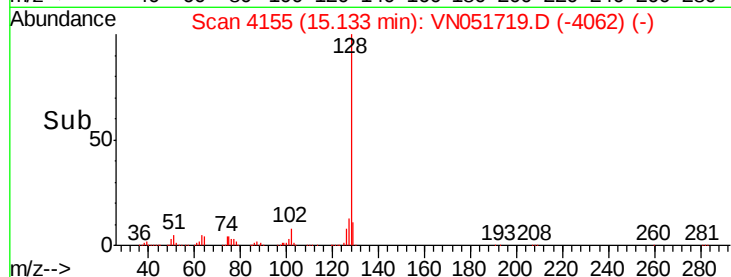
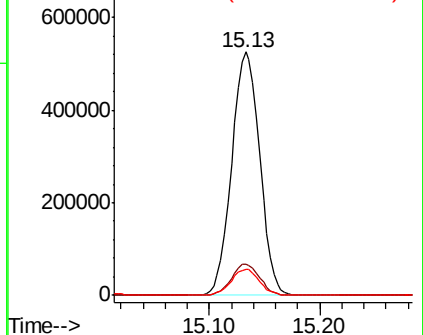
129 10.7 9.0 13.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.930 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051719.D

Acq: 8 Oct 2018 8:18

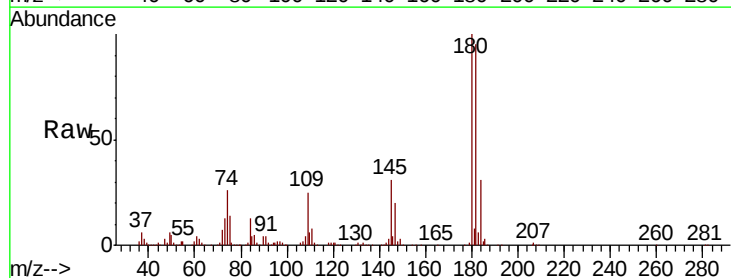
Tgt Ion:180 Resp: 444649

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 31.2 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

