

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051777.D
 Acq On : 10 Oct 2018 9:27
 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 11 01:51:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	705215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	980326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	556118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412376	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	
35) Dibromofluoromethane	7.59	113	394491	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.09	98	1443651	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	507021	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	411707	46.757	ug/l	100
3) Chloromethane	2.06	50	341481	42.430	ug/l	99
4) Vinyl Chloride	2.18	62	505194	39.849	ug/l	100
5) Bromomethane	2.56	94	428413	43.942	ug/l	98
6) Chloroethane	2.70	64	341710	40.104	ug/l	100
7) Trichlorofluoromethane	3.01	101	664679	50.370	ug/l	100
8) Diethyl Ether	3.41	74	179947	48.709	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343949	48.812	ug/l	97
10) Methyl Iodide	3.95	142	471084	50.538	ug/l	100
11) Tert butyl alcohol	4.79	59	155209	245.140	ug/l	99
12) 1,1-Dichloroethene	3.73	96	309345	47.103	ug/l	96
13) Acrolein	3.61	56	95479	228.871	ug/l	100
14) Allyl chloride	4.32	41	407635	40.696	ug/l	96
15) Acrylonitrile	4.99	53	534307	244.552	ug/l	98
16) Acetone	3.82	43	415116	267.628	ug/l	98
17) Carbon Disulfide	4.05	76	815105	40.831	ug/l	99
18) Methyl Acetate	4.33	43	276136	53.701	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	1043420	48.133	ug/l	100
20) Methylene Chloride	4.55	84	370784	48.375	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	372451	47.858	ug/l	92
22) Diisopropyl ether	5.96	45	927880	43.214	ug/l	94
23) Vinyl Acetate	5.90	43	3385932	214.465	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	620723	44.950	ug/l	97
25) 2-Butanone	6.84	43	630850	234.501	ug/l	96
26) 2,2-Dichloropropane	6.82	77	628114	45.389	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	441357	48.853	ug/l	93
28) Bromochloromethane	7.20	49	251271	41.101	ug/l	82
29) Tetrahydrofuran	7.22	42	387504	234.726	ug/l	90
30) Chloroform	7.37	83	739458	47.659	ug/l	99
31) Cyclohexane	7.65	56	523193	41.370	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	707103	47.018	ug/l	97
36) 1,1-Dichloropropene	7.79	75	521527	48.456	ug/l	98
37) Ethyl Acetate	6.93	43	275100	49.008	ug/l	99
38) Carbon Tetrachloride	7.78	117	636670	49.298	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	676431	50.068	ug/l	95
40) Benzene	8.04	78	1557899	48.827	ug/l	100
41) Methacrylonitrile	7.18	41	124281	42.928	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	524667	48.794	ug/l	100
43) Isopropyl Acetate	8.17	43	562835	48.091	ug/l #	87
44) Trichloroethene	8.84	130	479131	52.887	ug/l	99
45) 1,2-Dichloropropane	9.12	63	372441	47.213	ug/l	100
46) Dibromomethane	9.21	93	287476	52.429	ug/l	99
47) Bromodichloromethane	9.40	83	594124	49.222	ug/l	99
48) Methyl methacrylate	9.20	41	252886	47.288	ug/l	94
49) 1,4-Dioxane	9.20	88	89271	1113.257	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1445501	243.742	ug/l	97
52) Toluene	10.16	92	1066543	50.259	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	598841	48.080	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	639598	48.359	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	403680	53.399	ug/l	97
56) Ethyl methacrylate	10.43	69	492475	51.514	ug/l	94
57) 1,3-Dichloropropane	10.71	76	615294	51.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	976327	246.762	ug/l	95
59) 2-Hexanone	10.75	43	994384	246.895	ug/l	98
60) Dibromochloromethane	10.90	129	504872	51.034	ug/l	100
61) 1,2-Dibromoethane	11.01	107	425342	53.223	ug/l	100
64) Tetrachloroethene	10.63	164	456442	52.775	ug/l	99
65) Chlorobenzene	11.44	112	1243309	51.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	489452	50.347	ug/l	99
67) Ethyl Benzene	11.51	91	2106175	50.188	ug/l	99
68) m/p-Xylenes	11.62	106	1710034	101.841	ug/l	98
69) o-Xylene	11.95	106	837648	50.868	ug/l	98
70) Styrene	11.96	104	1342686	51.170	ug/l	98
71) Bromoform	12.13	173	355630	49.182	ug/l #	99
73) Isopropylbenzene	12.25	105	2268002	47.842	ug/l	100
74) N-amyl acetate	12.07	43	464072	47.180	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	491068	53.715	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	598688	89.918	ug/l #	100
77) Bromobenzene	12.53	156	572985	49.433	ug/l	94
78) n-propylbenzene	12.59	91	2461956	47.614	ug/l	99
79) 2-Chlorotoluene	12.68	91	1447867	47.513	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1903983	47.659	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136721	45.192	ug/l	97
82) 4-Chlorotoluene	12.77	91	1467827	47.948	ug/l	98
83) tert-Butylbenzene	12.99	119	1721936	48.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1939994	48.480	ug/l	99
85) sec-Butylbenzene	13.17	105	2292949	48.423	ug/l	99
86) p-Isopropyltoluene	13.29	119	2081532	49.586	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1040591	51.520	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1019025	51.257	ug/l	99
89) n-Butylbenzene	13.62	91	1652401	49.785	ug/l	99
90) Hexachloroethane	13.88	117	380686	45.453	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1026150	51.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79725	47.874	ug/l	93

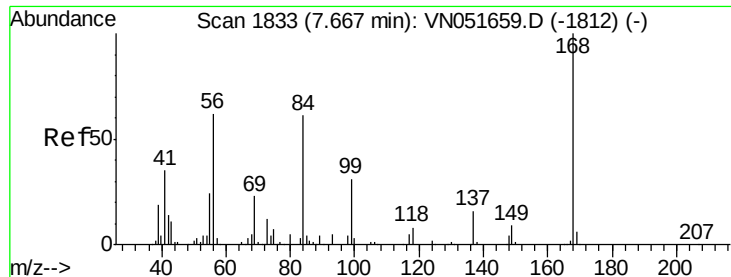
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	511025	57.196	ug/l	98
94) Hexachlorobutadiene	15.01	225	333680	55.044	ug/l	99
95) Naphthalene	15.13	128	1079580	55.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	500256	56.851	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

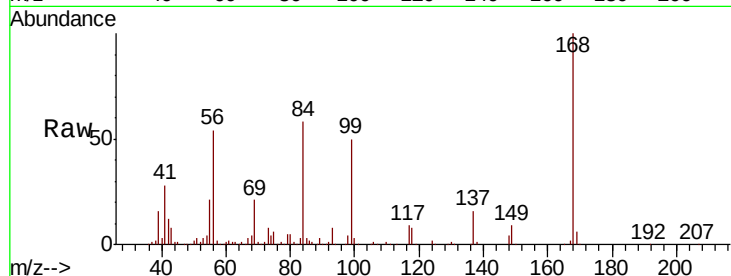
VSTDCCC050

Tot Ion:168 Resp: 705215

Ion Ratio Lower Upper

168 100

99 50.3 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

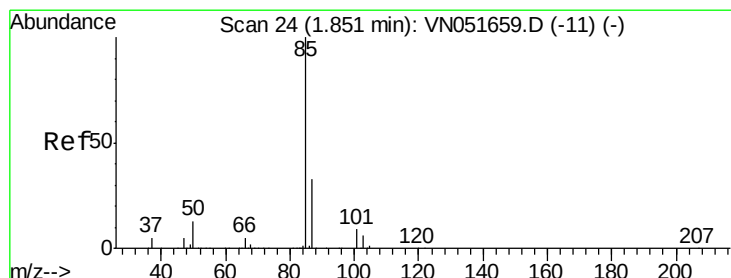
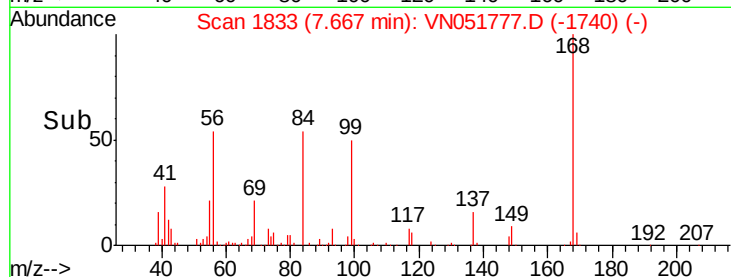
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 46.757 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051777.D

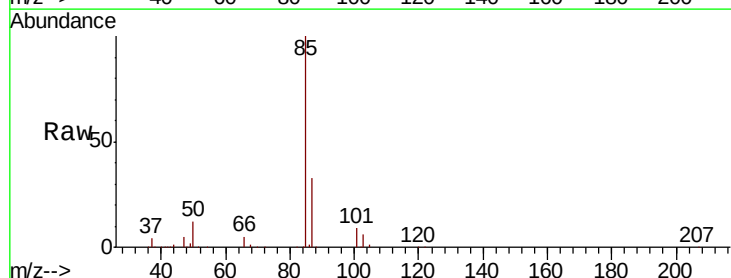
Acq: 10 Oct 2018 9:27

Tgt Ion: 85 Resp: 411707

Ion Ratio Lower Upper

85 100

87 32.9 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

300000

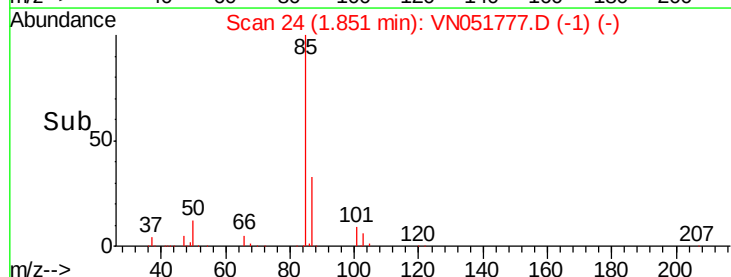
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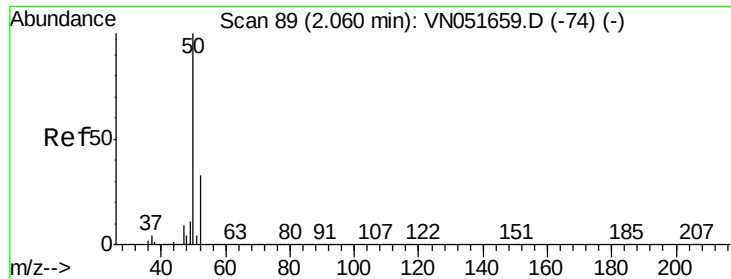
100000

0

1.80 1.85 1.90 1.95

Time-->

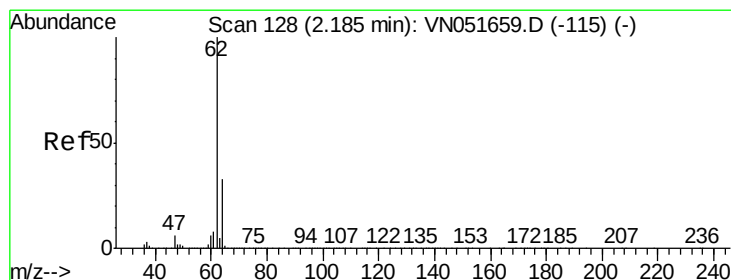
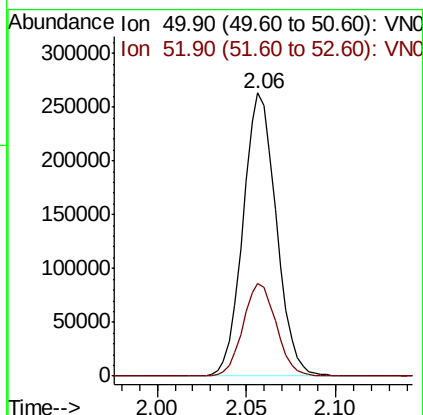
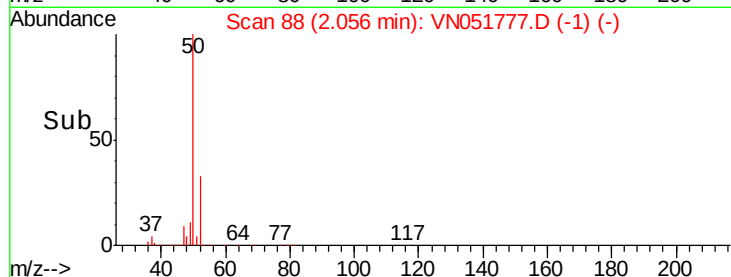
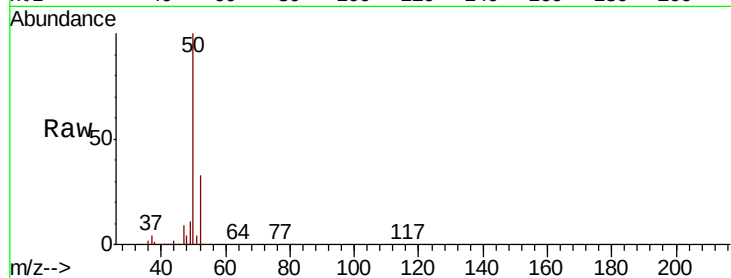




#3
Chloromethane
Concen: 42.430 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

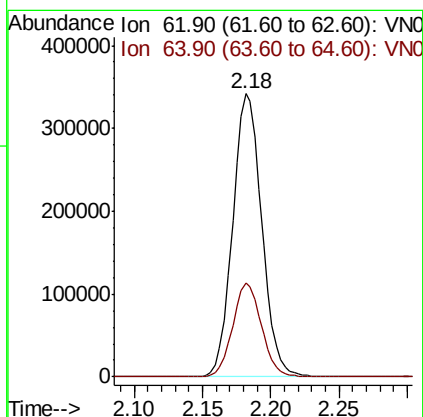
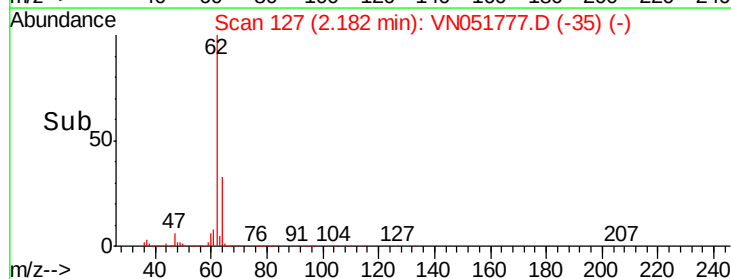
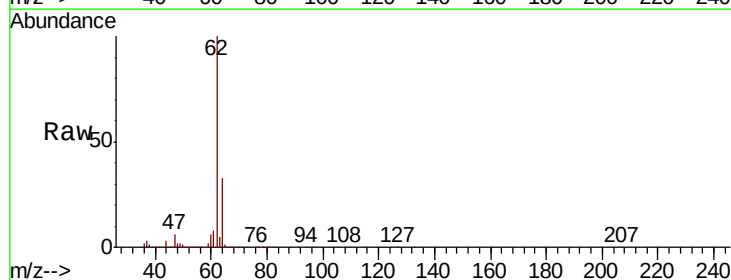
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

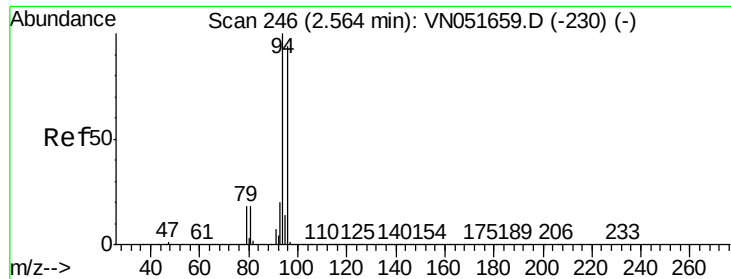
Tot Ion: 50 Resp: 341481
Ion Ratio Lower Upper
50 100
52 32.6 26.6 39.8



#4
Vinyl Chloride
Concen: 39.849 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 62 Resp: 505194
Ion Ratio Lower Upper
62 100
64 33.0 26.2 39.4





#5

Bromomethane

Concen: 43.942 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

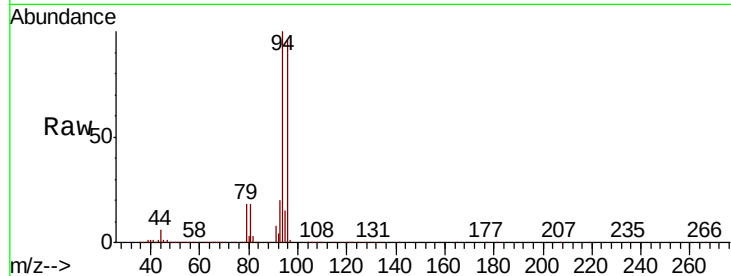
VSTDCCC050

Tot Ion: 94 Resp: 428413

Ion Ratio Lower Upper

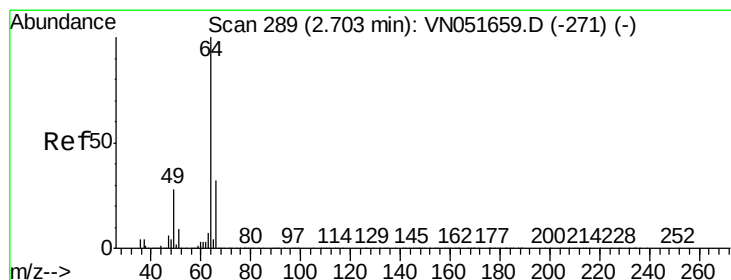
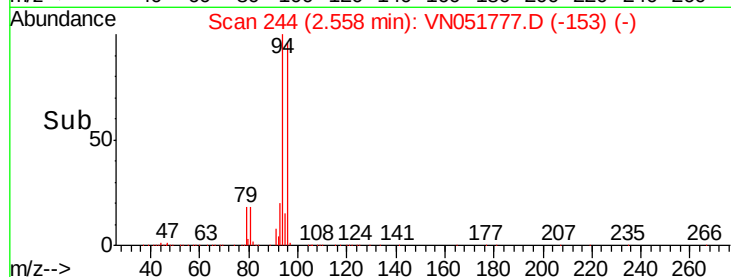
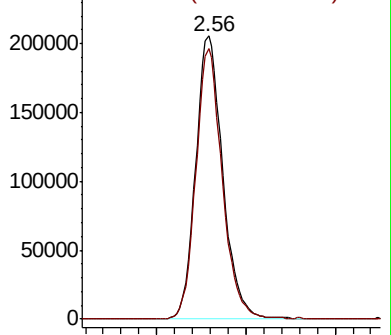
94 100

96 95.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.104 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051777.D

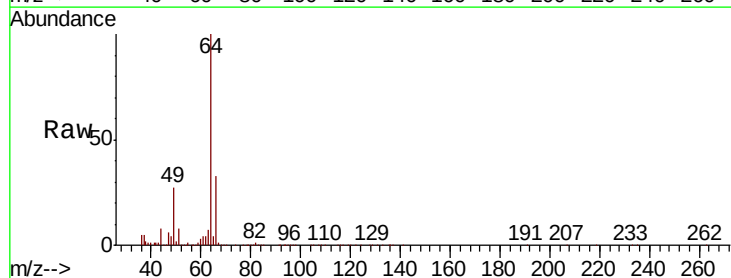
Acq: 10 Oct 2018 9:27

Tgt Ion: 64 Resp: 341710

Ion Ratio Lower Upper

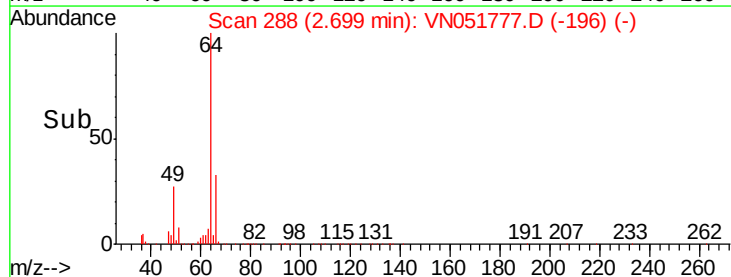
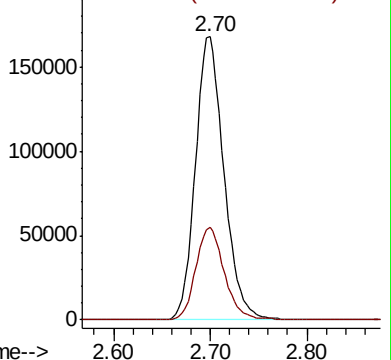
64 100

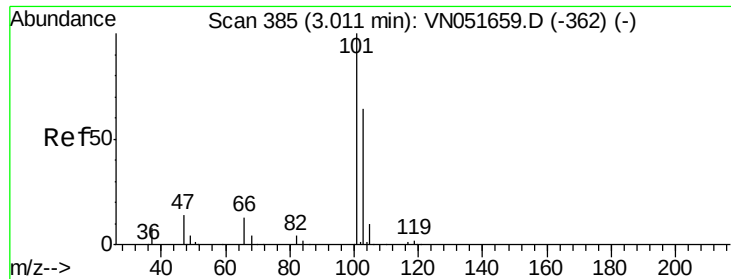
66 32.7 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



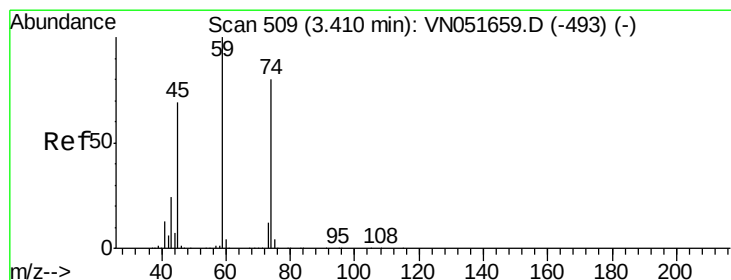
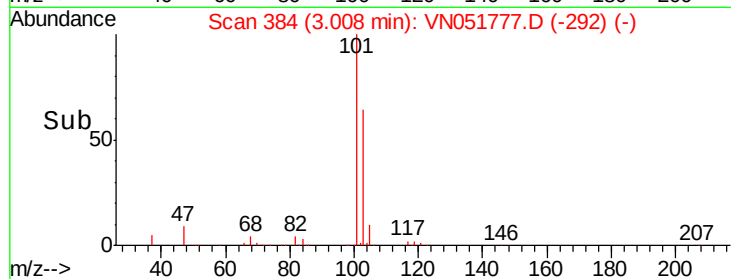
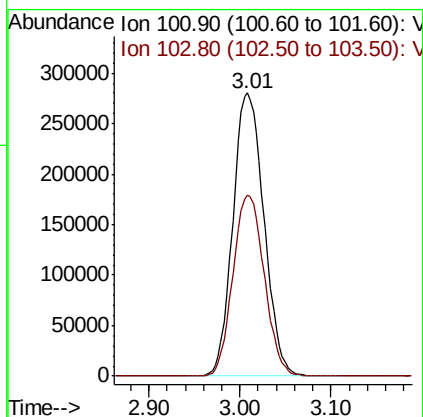
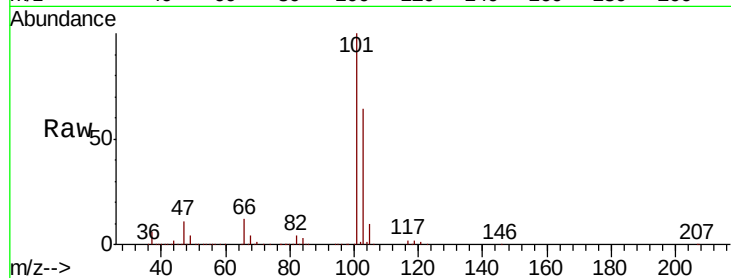


#7

Trichlorofluoromethane
 Concen: 50.370 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
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 VSTDCCC050

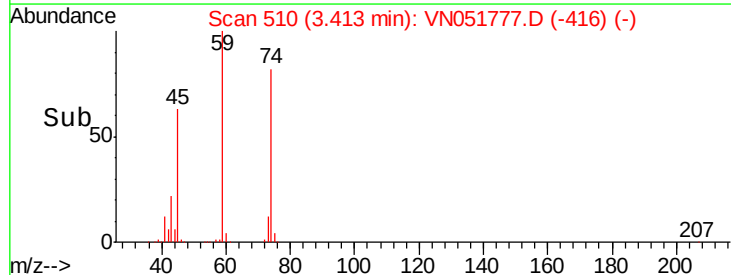
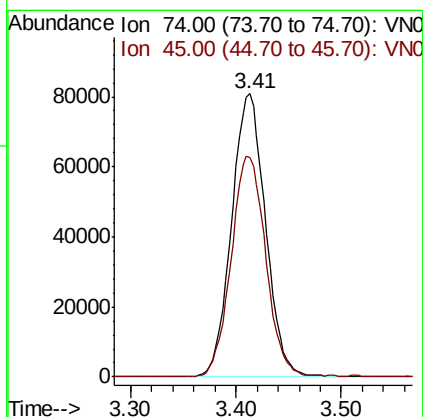
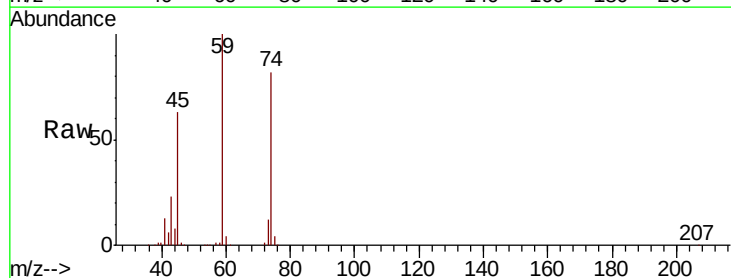
Tot Ion:101 Resp: 664679
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.1 76.7

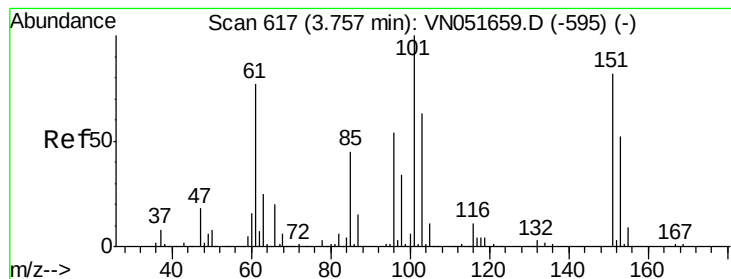


#8

Diethyl Ether
 Concen: 48.709 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion: 74 Resp: 179947
 Ion Ratio Lower Upper
 74 100
 45 79.7 44.3 132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.812 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

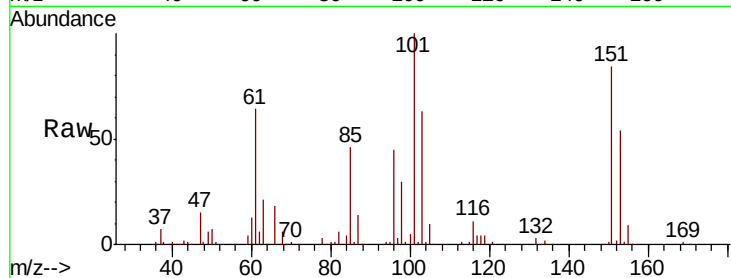
Tot Ion:101 Resp: 343949

Ion Ratio Lower Upper

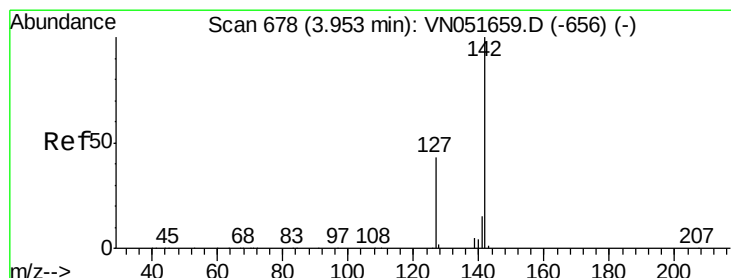
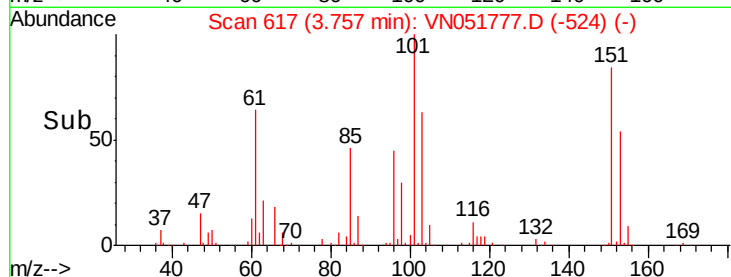
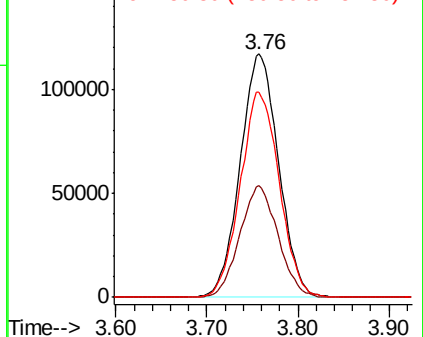
101 100

85 45.7 35.6 53.4

151 85.8 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: 50.538 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

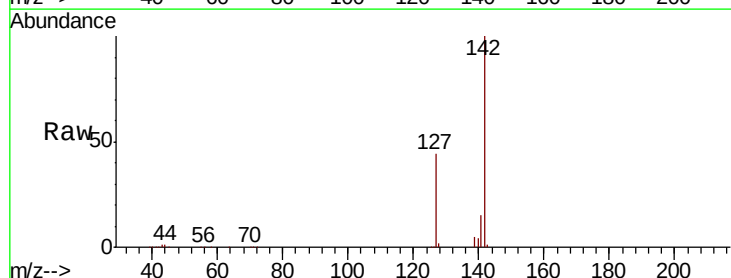
Tgt Ion:142 Resp: 471084

Ion Ratio Lower Upper

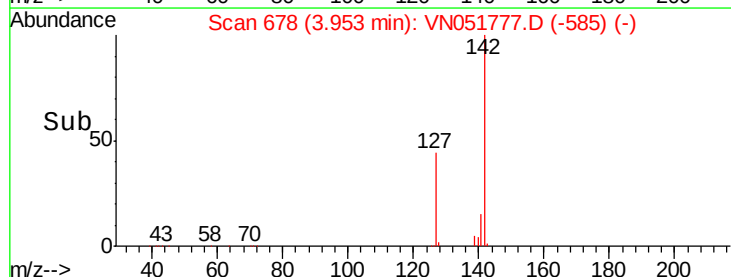
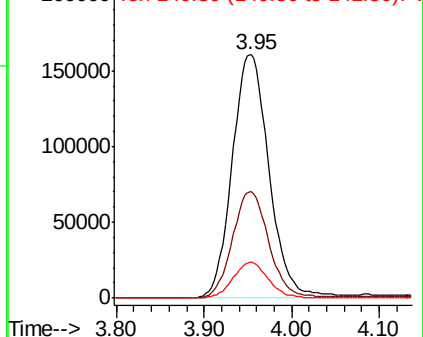
142 100

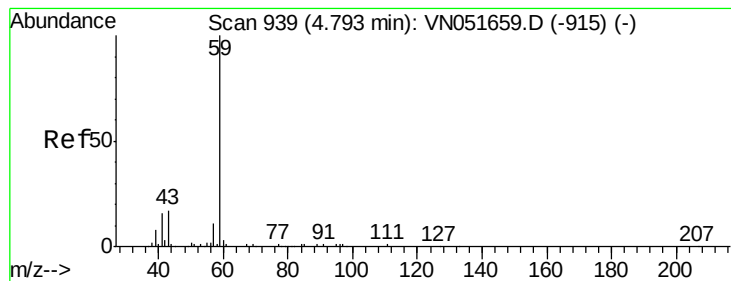
127 43.4 34.7 52.1

141 14.1 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



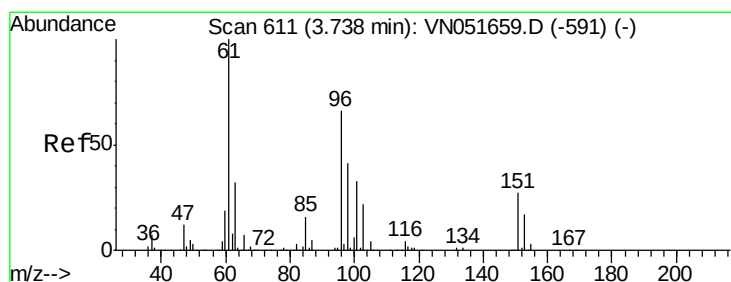
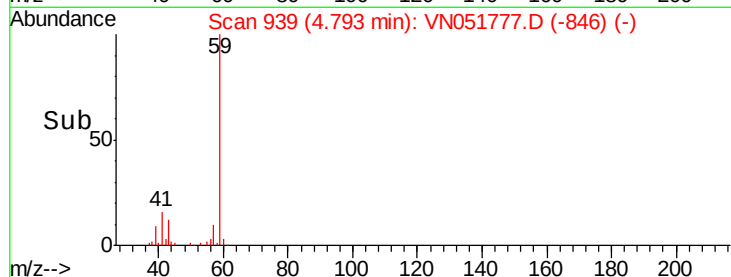
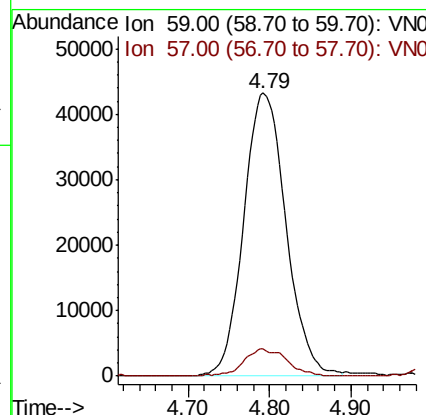
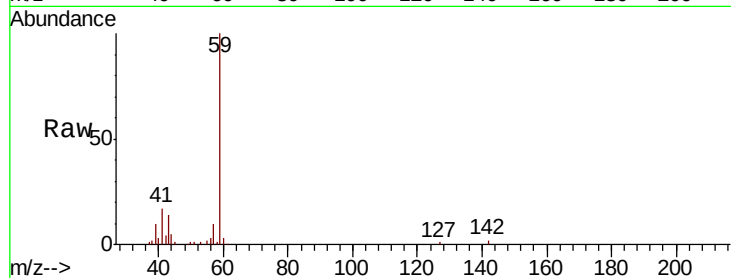


#11

Tert butyl alcohol
 Concen: 245.140 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

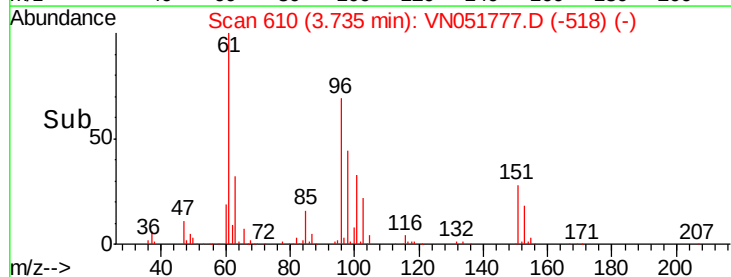
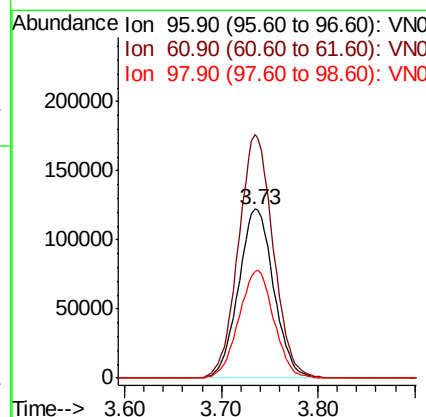
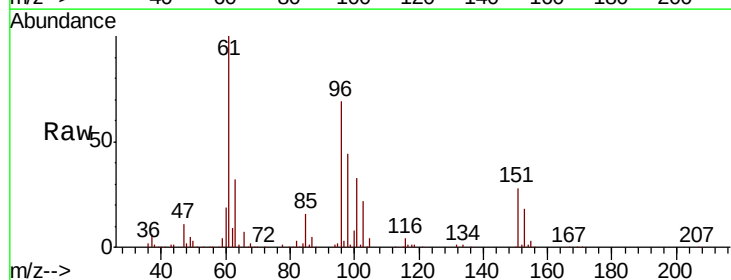
Tot Ion: 59 Resp: 155209
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.1 12.1

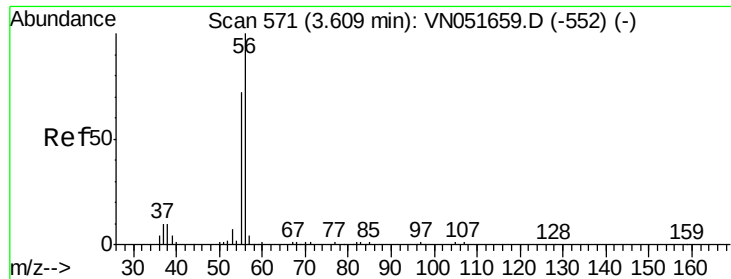


#12

1,1-Dichloroethene
 Concen: 47.103 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion: 96 Resp: 309345
 Ion Ratio Lower Upper
 96 100
 61 144.2 121.4 182.0
 98 63.2 49.9 74.9

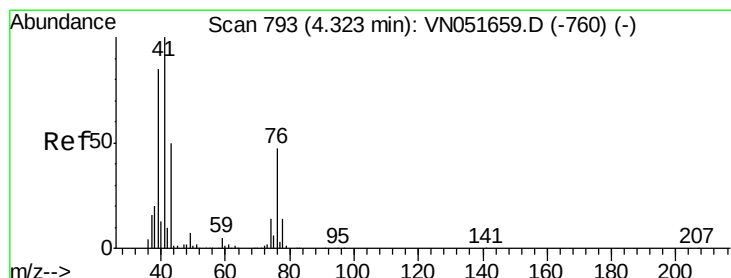
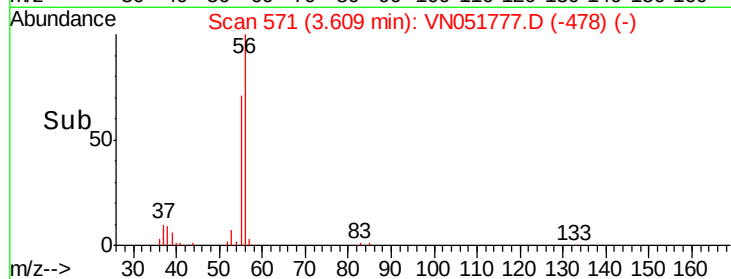
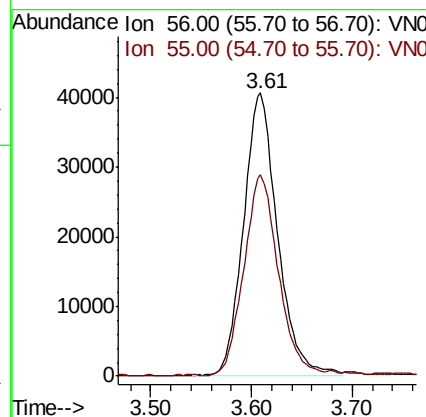
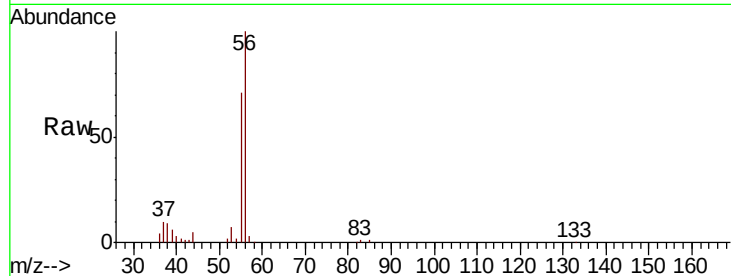




#13
 Acrolein
 Concen: 228.871 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

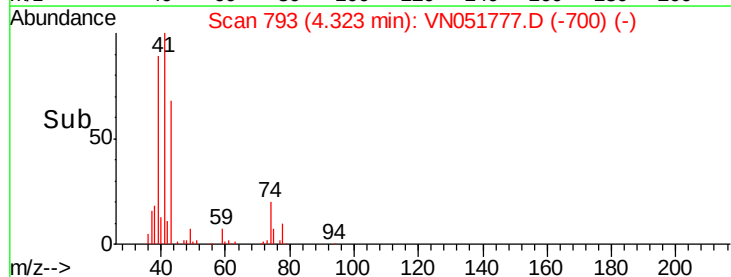
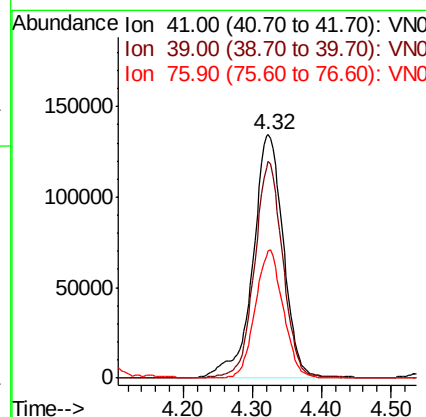
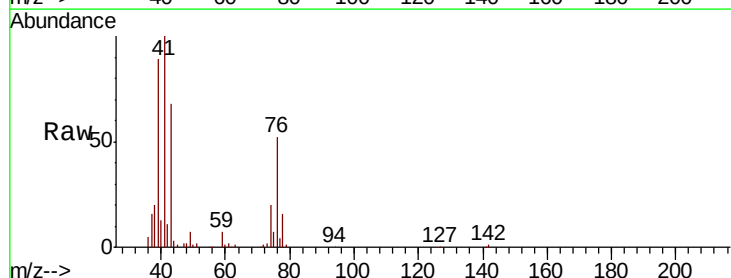
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

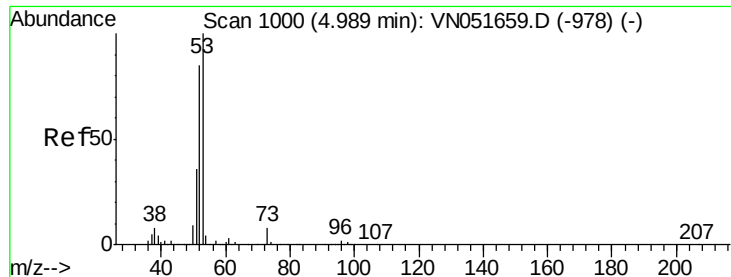
Tot Ion: 56 Resp: 95479
 Ion Ratio Lower Upper
 56 100
 55 72.0 57.5 86.3



#14
 Allyl chloride
 Concen: 40.696 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion: 41 Resp: 407635
 Ion Ratio Lower Upper
 41 100
 39 83.4 65.4 98.0
 76 47.8 34.3 51.5





#15

Acrylonitrile

Concen: 244.552 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

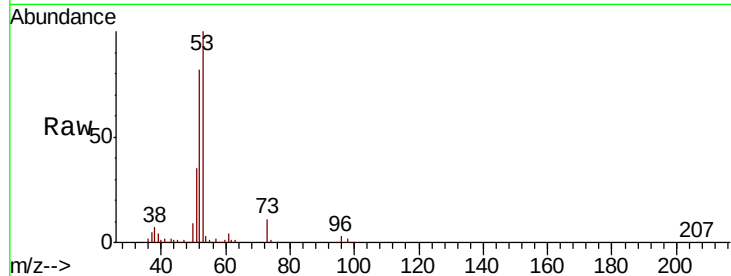
Tot Ion: 53 Resp: 534307

Ion Ratio Lower Upper

53 100

52 81.5 66.2 99.2

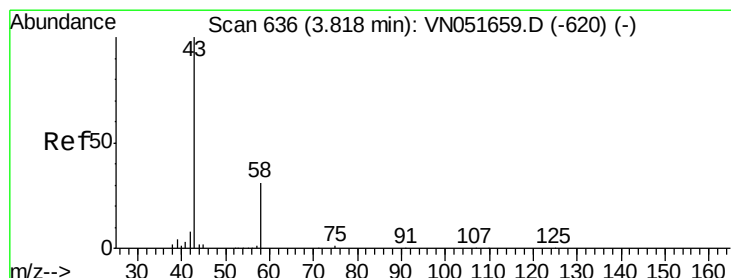
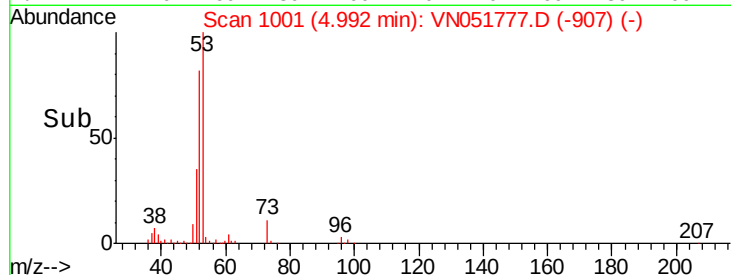
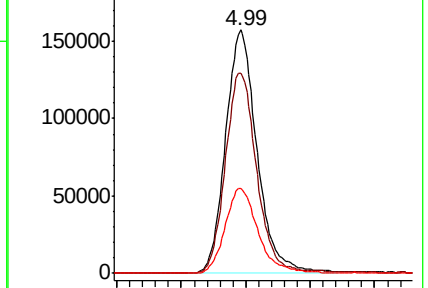
51 36.6 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VN051659.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN051659.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN051659.D (-978) (-)



#16

Acetone

Concen: 267.628 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051777.D

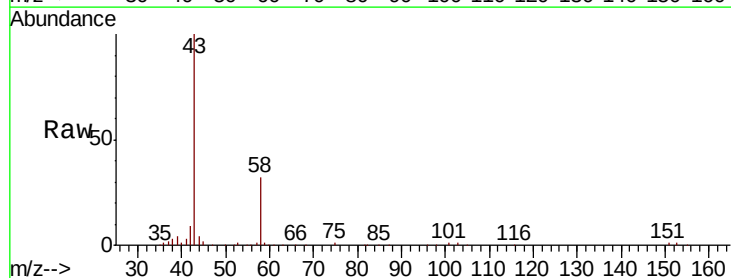
Acq: 10 Oct 2018 9:27

Tgt Ion: 43 Resp: 415116

Ion Ratio Lower Upper

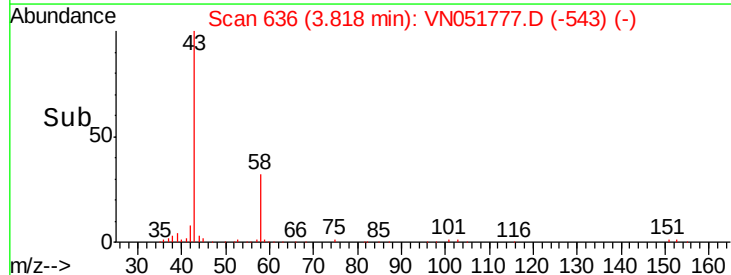
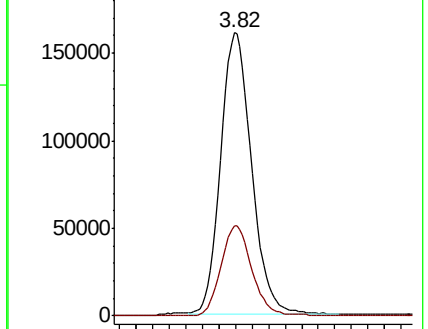
43 100

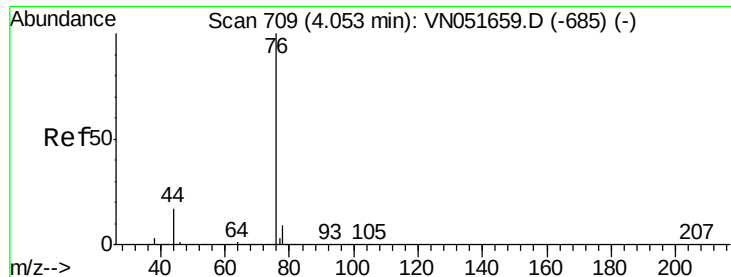
58 31.7 24.3 36.5



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-620) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-620) (-)





#17

Carbon Disulfide

Concen: 40.831 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

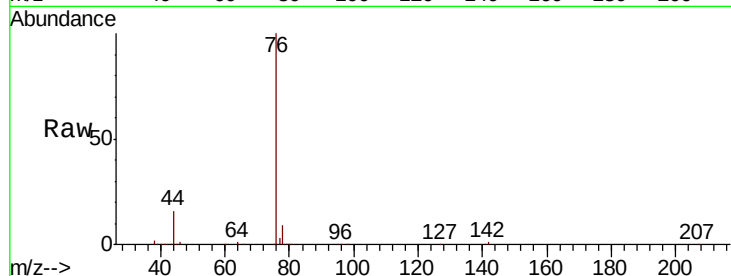
VSTDCCC050

Tot Ion: 76 Resp: 815105

Ion Ratio Lower Upper

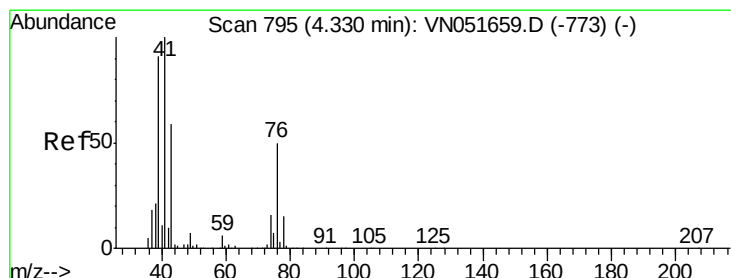
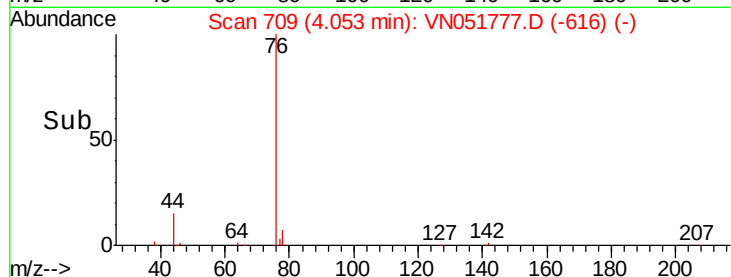
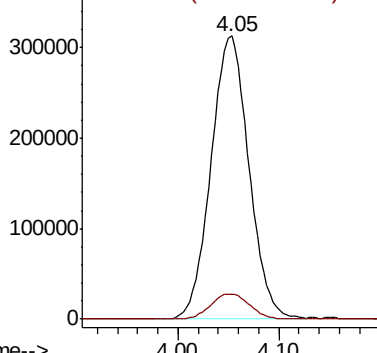
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 53.701 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN051777.D

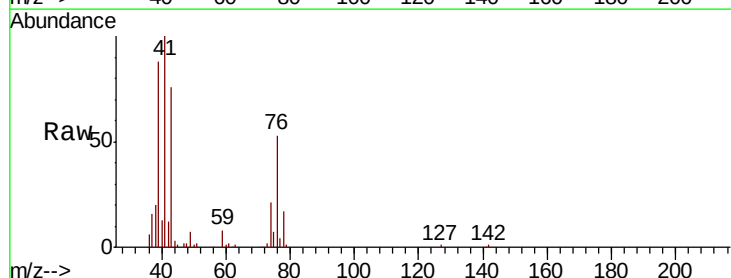
Acq: 10 Oct 2018 9:27

Tgt Ion: 43 Resp: 276136

Ion Ratio Lower Upper

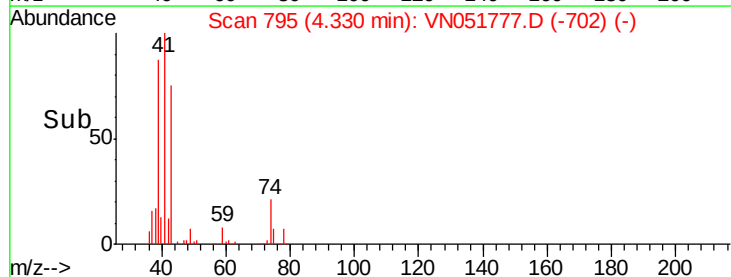
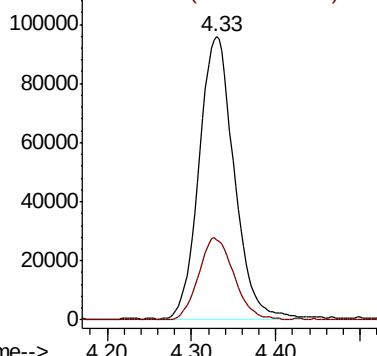
43 100

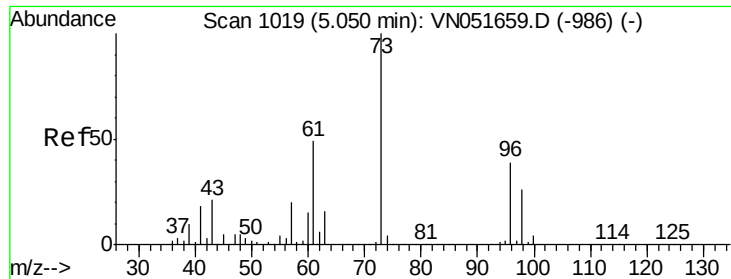
74 29.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

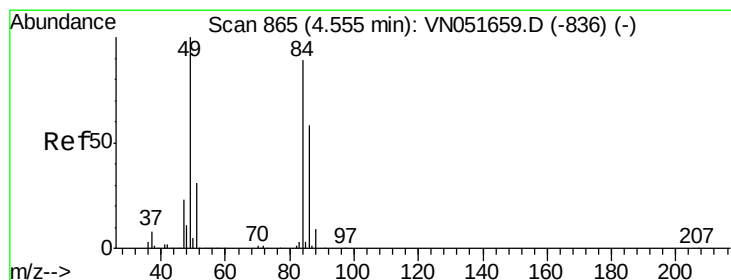
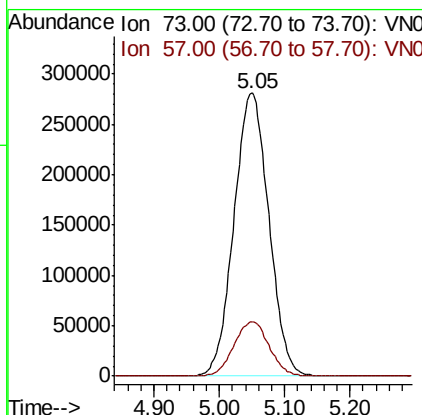
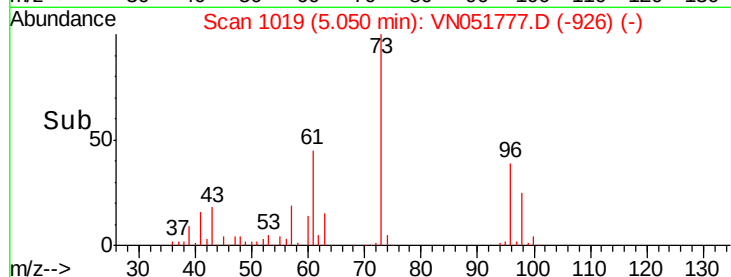
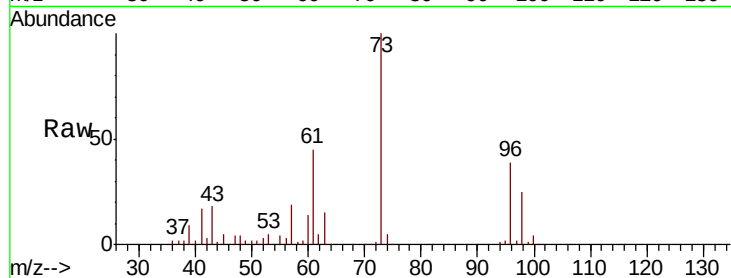




#19
Methvl tert-butyl Ether
Concen: 48.133 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

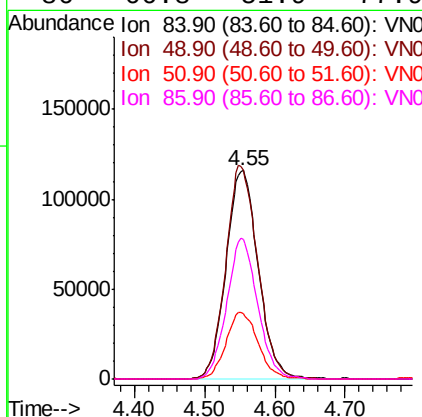
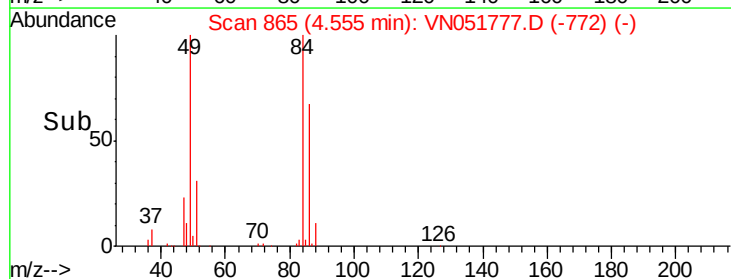
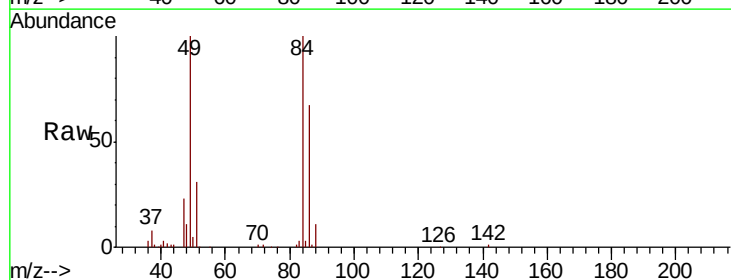
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

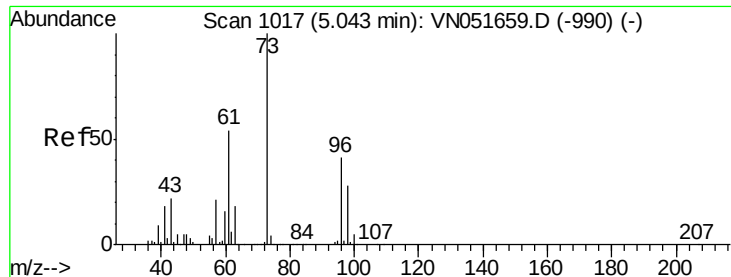
Tot Ion: 73 Resp: 1043420
Ion Ratio Lower Upper
73 100
57 19.3 15.6 23.4



#20
Methylene Chloride
Concen: 48.375 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 84 Resp: 370784
Ion Ratio Lower Upper
84 100
49 99.7 89.5 134.3
51 31.5 27.4 41.0
86 66.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.858 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

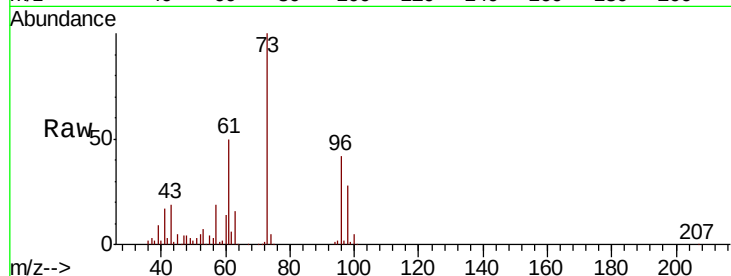
Tot Ion: 96 Resp: 372451

Ion Ratio Lower Upper

96 100

61 119.6 104.7 157.1

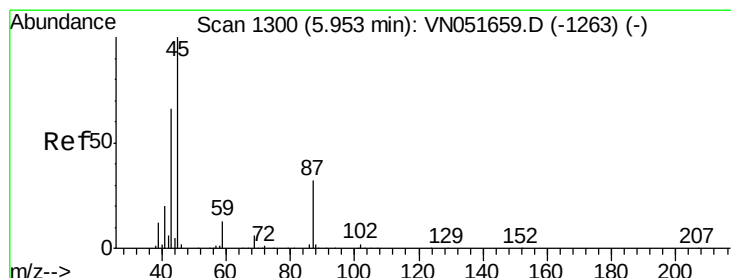
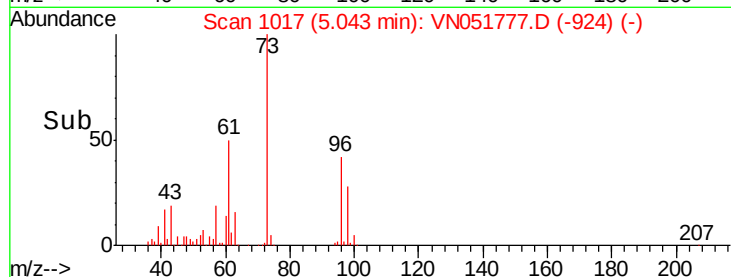
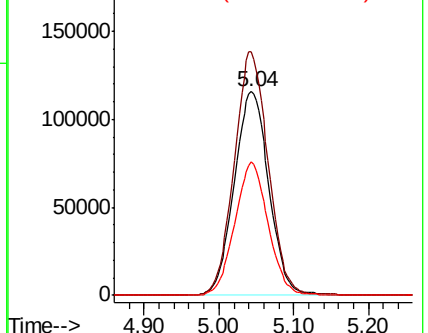
98 65.4 54.6 82.0



Abundance Ion 95.90 (95.60 to 96.60): VN051777.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN051777.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN051777.D (-1207) (-)



#22

Diisopropyl ether

Concen: 43.214 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion: 45 Resp: 927880

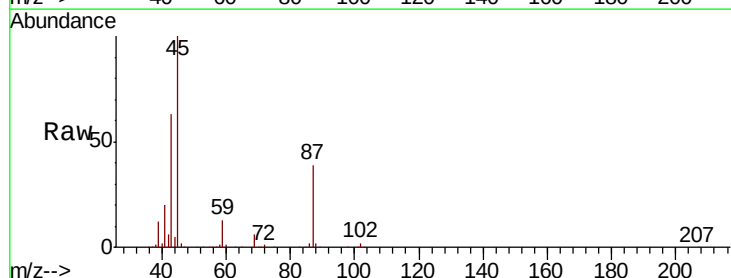
Ion Ratio Lower Upper

45 100

43 62.4 53.0 79.4

87 39.1 26.4 39.6

59 12.8 10.0 15.0

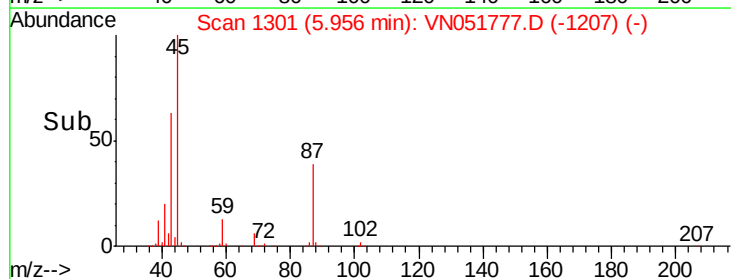
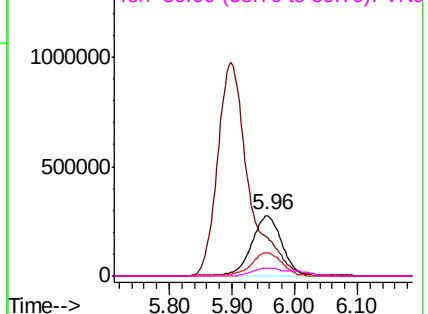


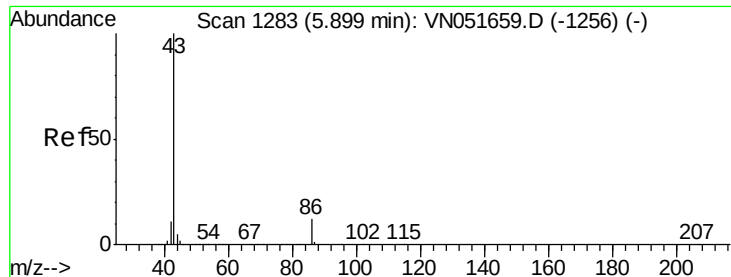
Abundance Ion 45.00 (44.70 to 45.70): VN051777.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN051777.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN051777.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN051777.D (-1207) (-)





#23

Vinyl Acetate

Concen: 214.465 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampled :

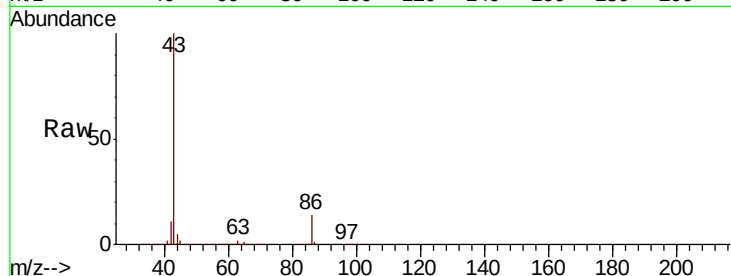
VSTDCCC050

Tot Ion: 43 Resp: 3385932

Ion Ratio Lower Upper

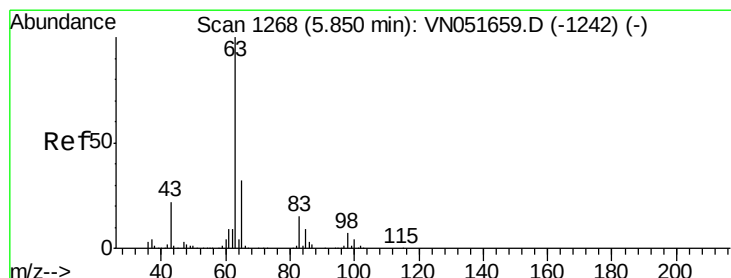
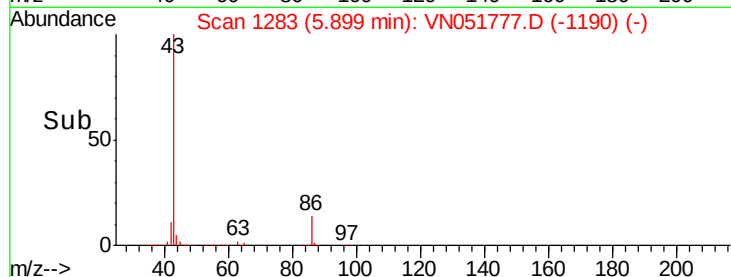
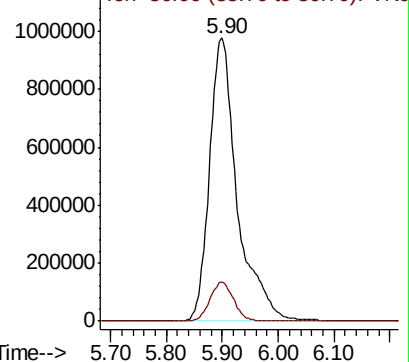
43 100

86 13.9 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 44.950 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

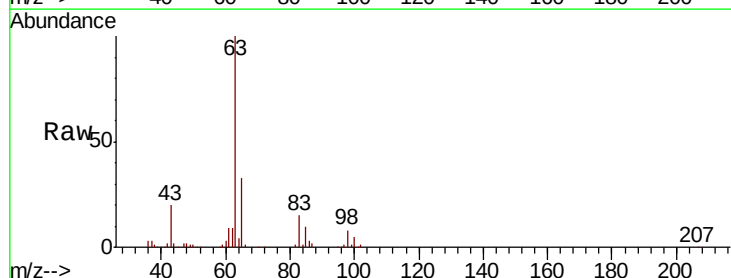
Tgt Ion: 63 Resp: 620723

Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.9

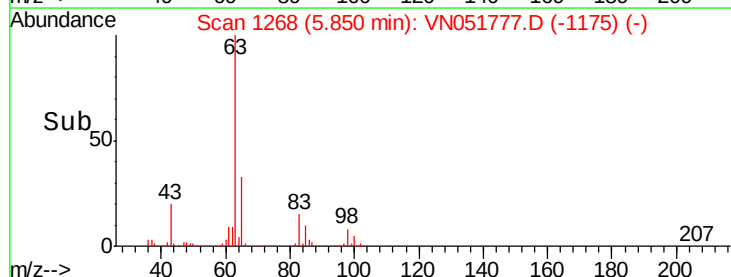
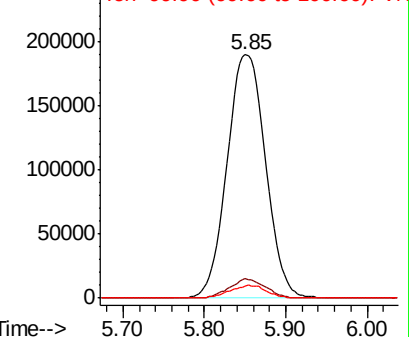
100 5.0 2.2 6.6

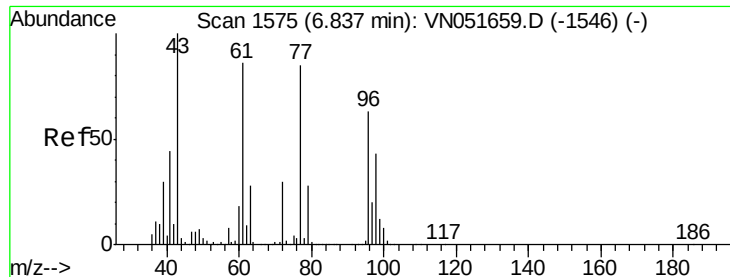


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 234.501 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

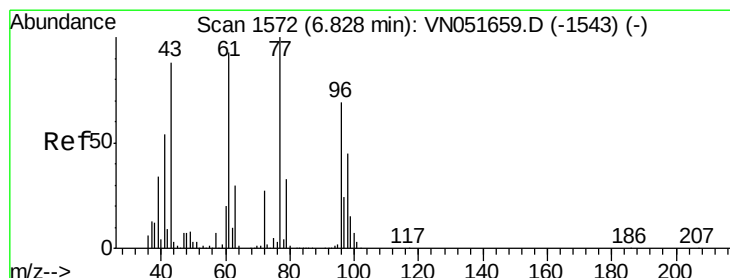
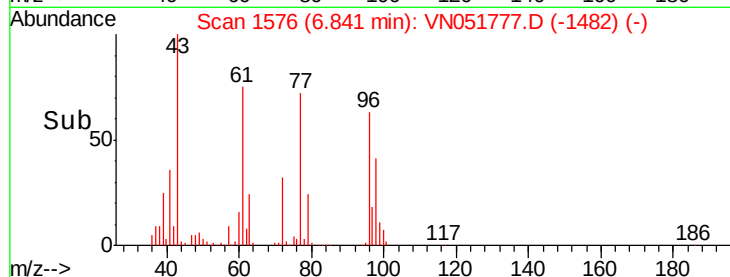
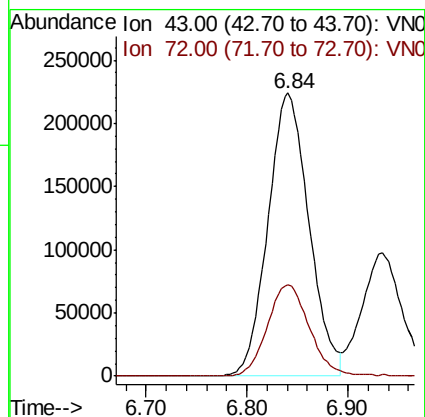
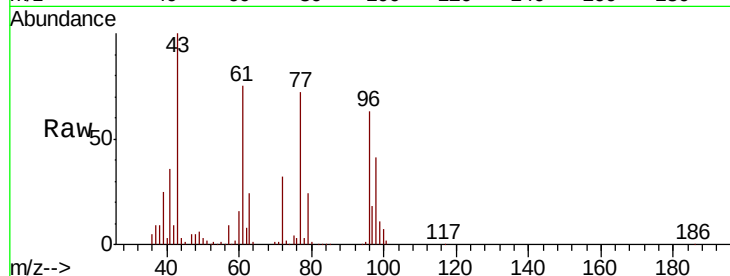
VSTDCCC050

Tot Ion: 43 Resp: 630850

Ion Ratio Lower Upper

43 100

72 32.4 24.2 36.2



#26

2,2-Dichloropropane

Concen: 45.389 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051777.D

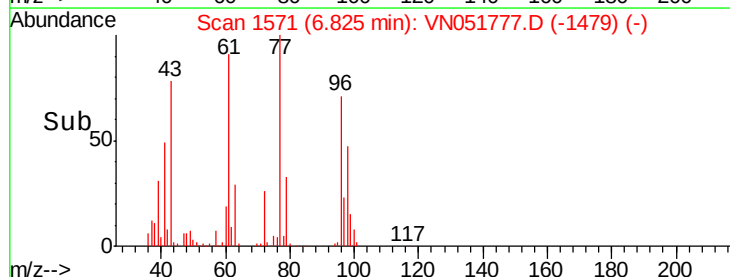
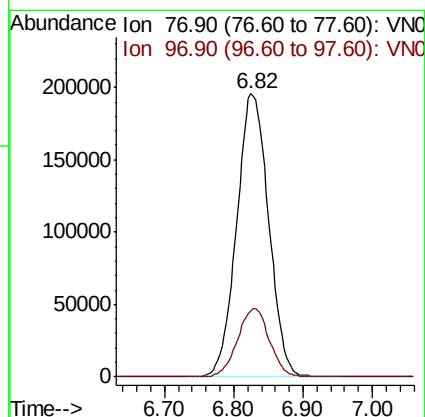
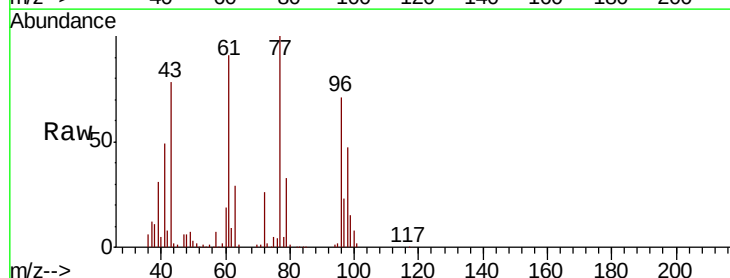
Acq: 10 Oct 2018 9:27

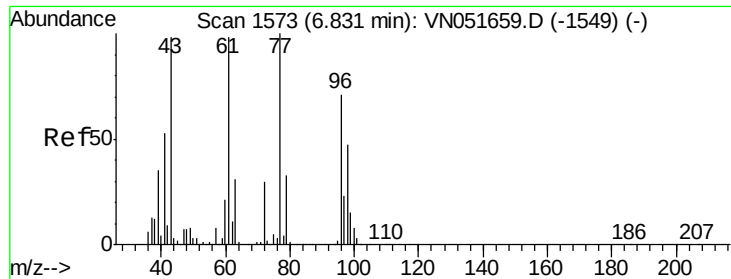
Tgt Ion: 77 Resp: 628114

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 48.853 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

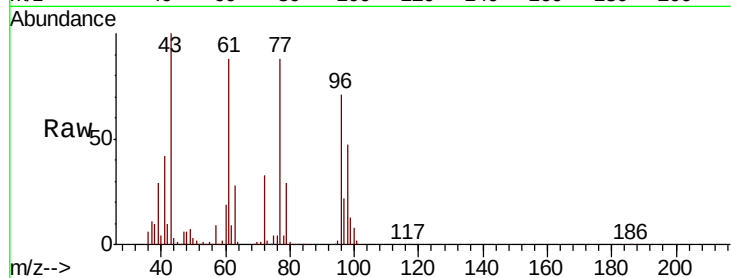
Tot Ion: 96 Resp: 441357

Ion Ratio Lower Upper

96 100

61 125.7 0.0 275.4

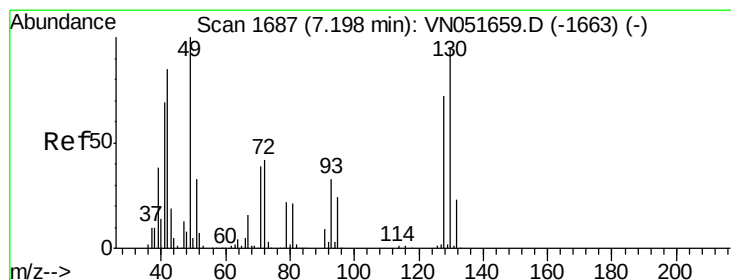
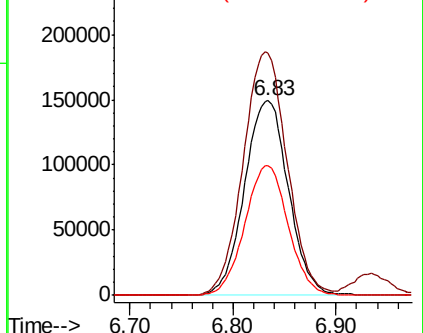
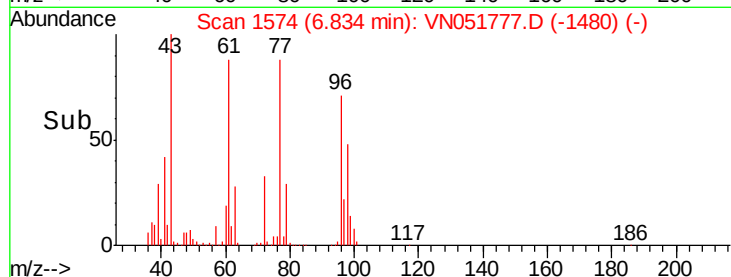
98 66.0 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 41.101 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

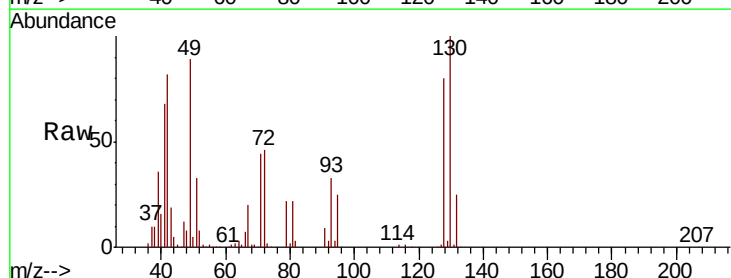
Tgt Ion: 49 Resp: 251271

Ion Ratio Lower Upper

49 100

129 2.8 0.0 4.8

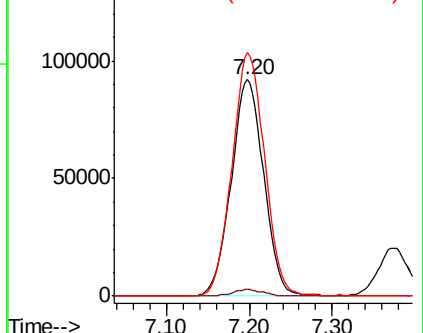
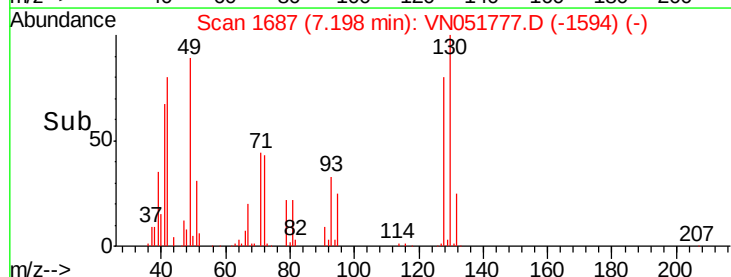
130 112.7 75.7 113.5

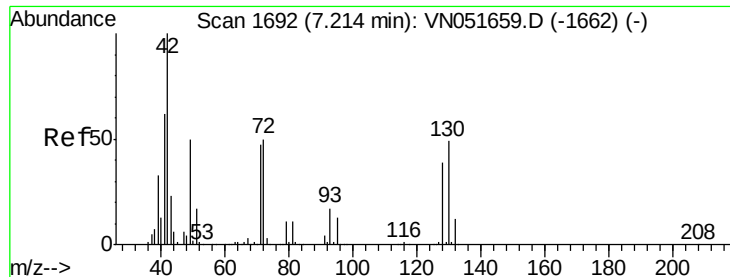


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

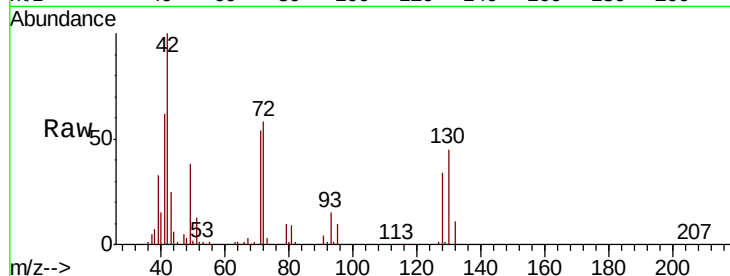




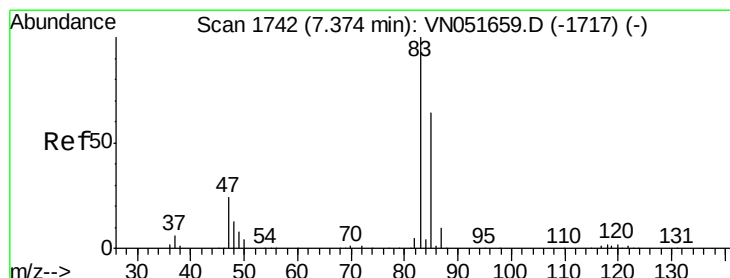
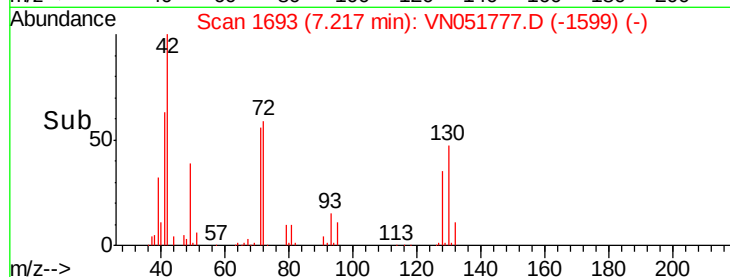
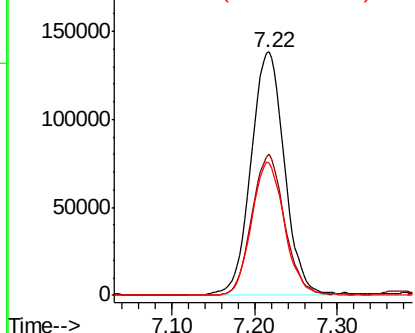
#29
Tetrahydrofuran
Concen: 234.726 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 387504
Ion Ratio Lower Upper
42 100
72 56.8 40.1 60.1
71 54.0 38.0 57.0

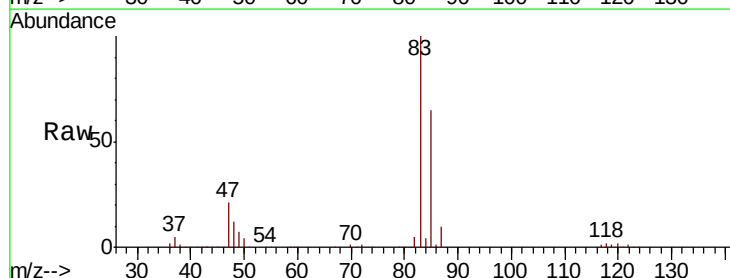


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

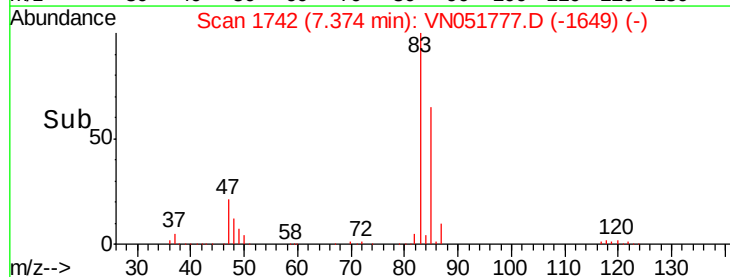
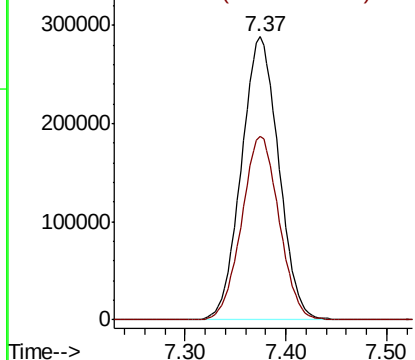


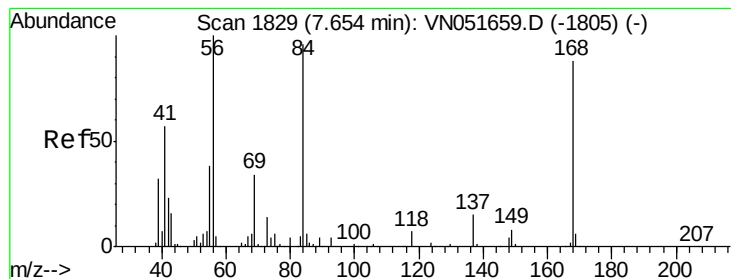
#30
Chloroform
Concen: 47.659 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 83 Resp: 739458
Ion Ratio Lower Upper
83 100
85 65.0 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: 41.370 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

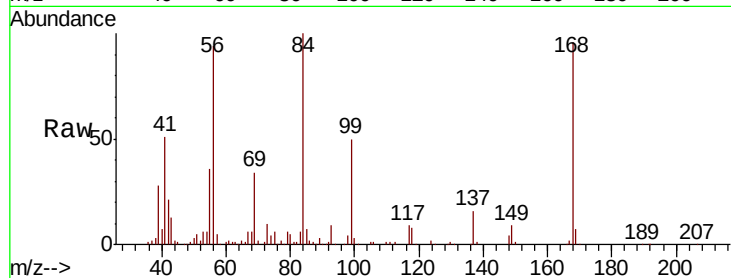
Tot Ion: 56 Resp: 523193

Ion Ratio Lower Upper

56 100

69 36.2 27.5 41.3

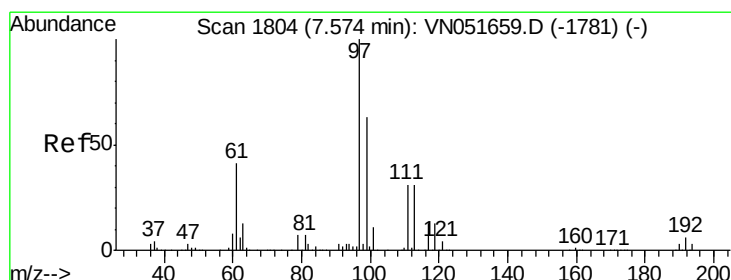
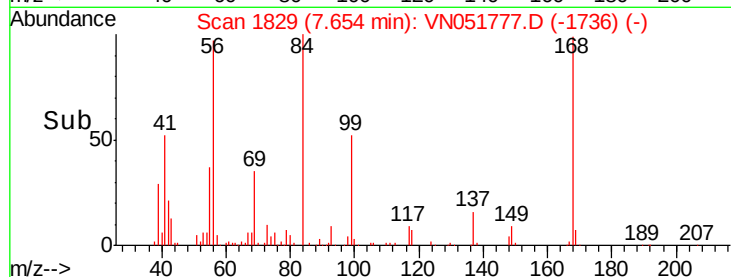
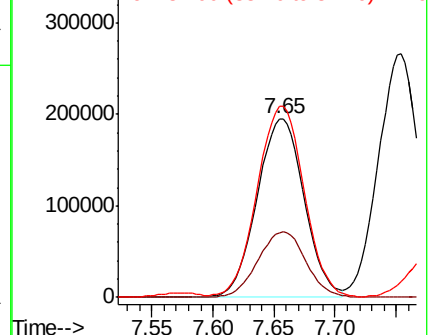
84 104.4 76.7 115.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.018 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

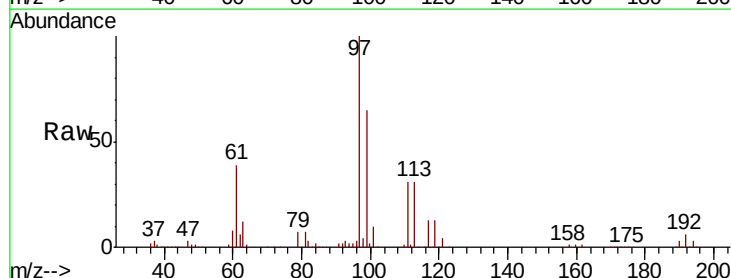
Tgt Ion: 97 Resp: 707103

Ion Ratio Lower Upper

97 100

99 64.0 51.9 77.9

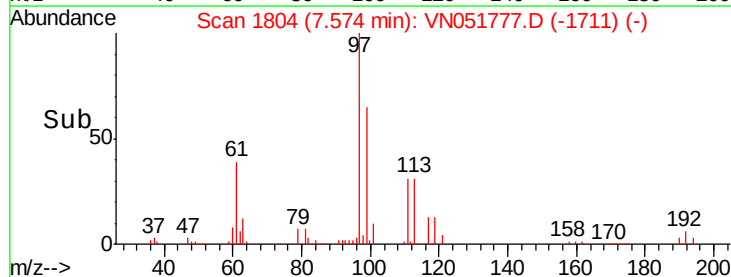
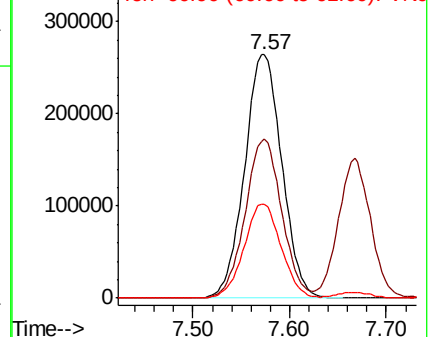
61 38.4 33.4 50.0

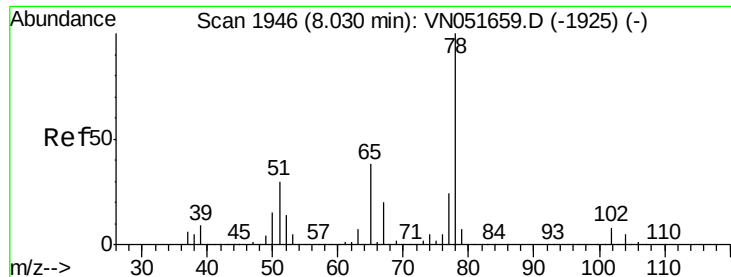


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

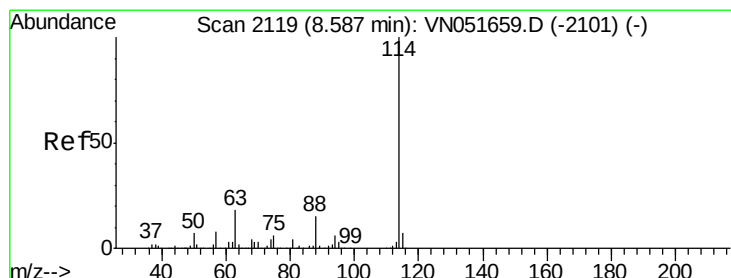
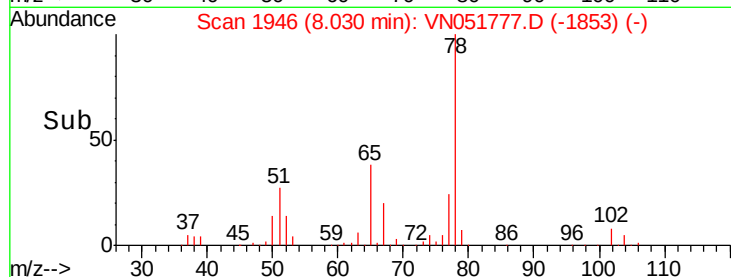
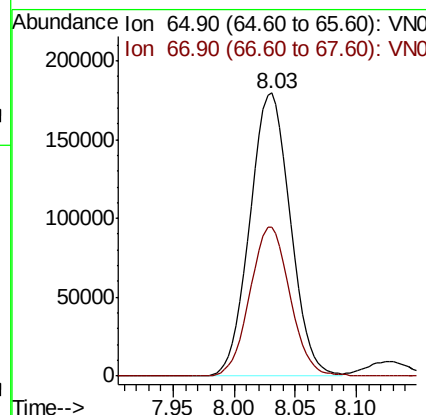
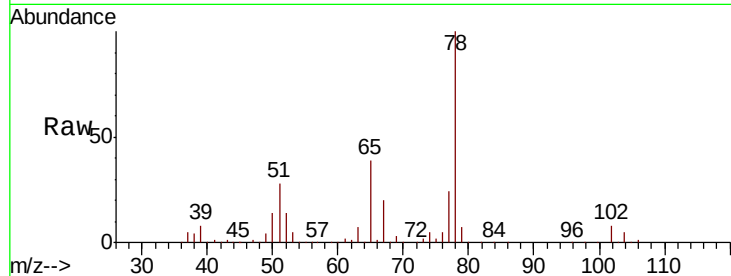




#33
 1,2-Dichloroethane-d4
 Concen: 47.018 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

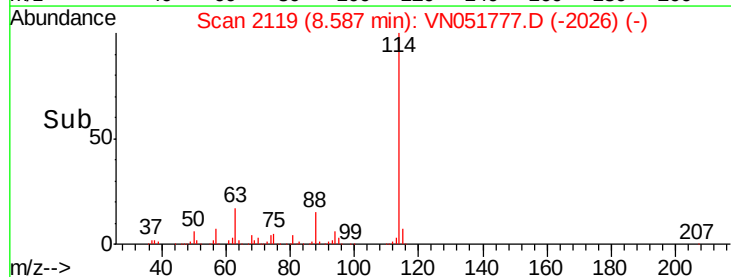
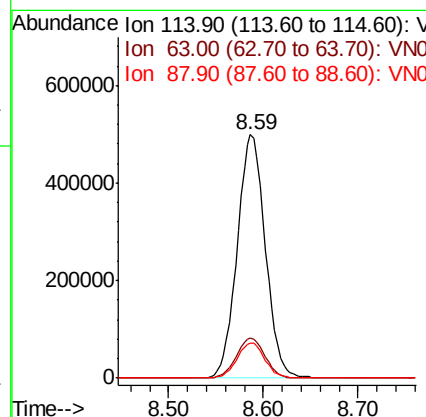
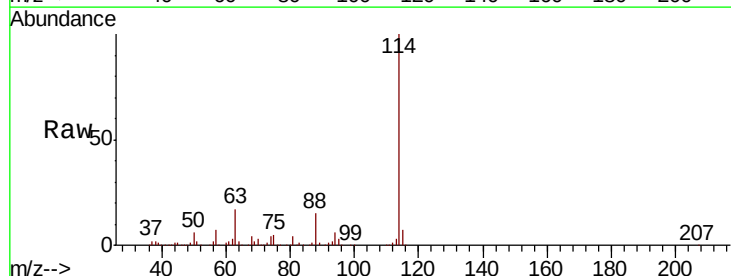
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

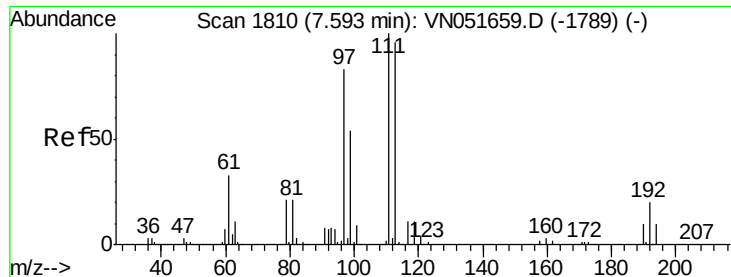
Tot Ion: 65 Resp: 412376
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion: 114 Resp: 1029696
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 36.2
 88 14.5 0.0 30.2

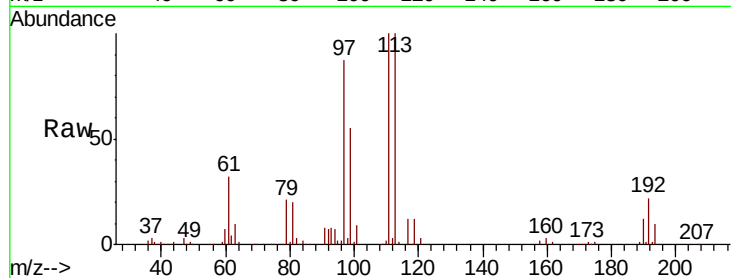




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	21.8	16.5	24.7

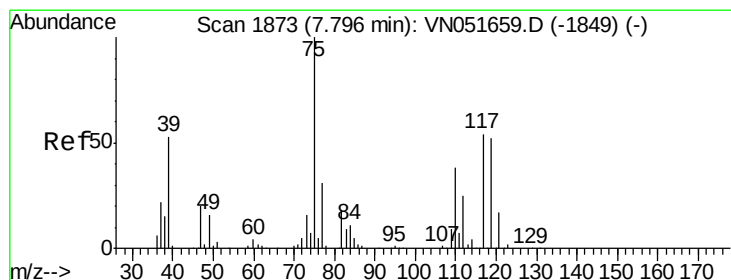
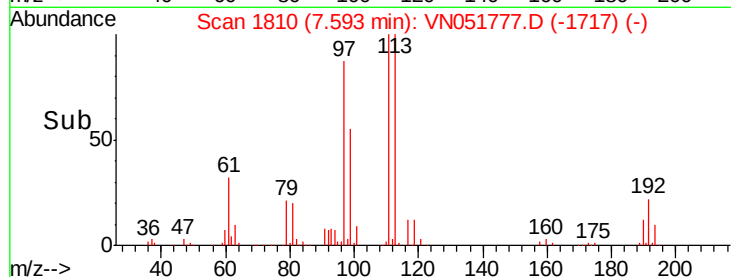
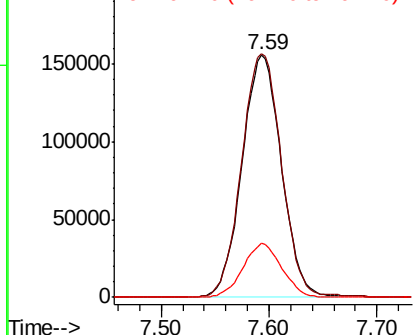


Abundance

Ion 112.80 (112.50 to 113.50): V

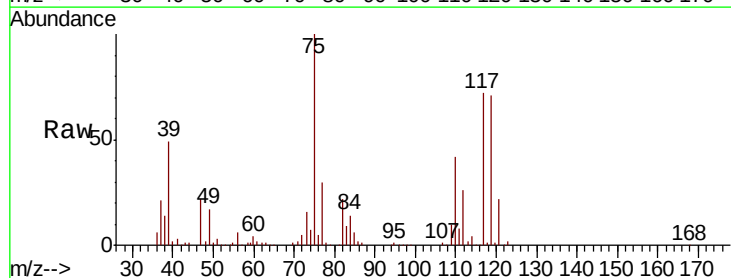
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 48.456 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.9	19.3	57.8
77	31.1	24.7	37.1

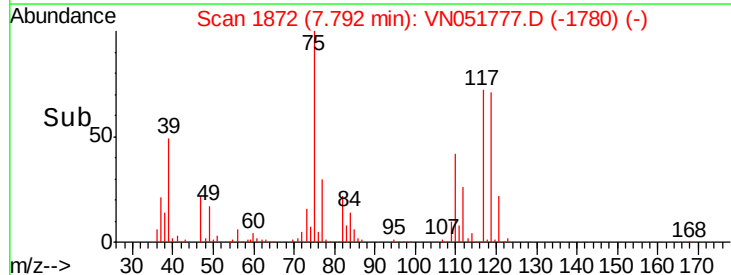
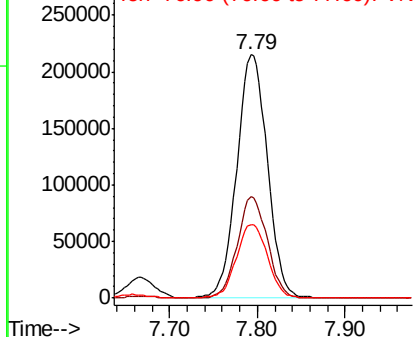


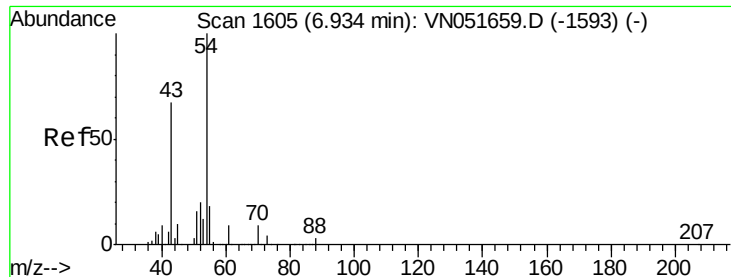
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

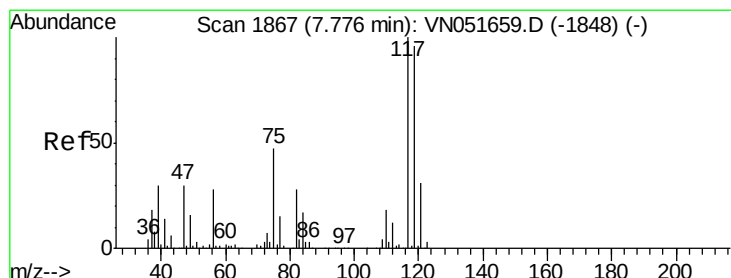
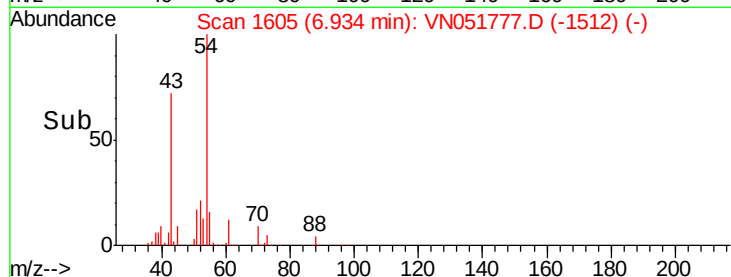
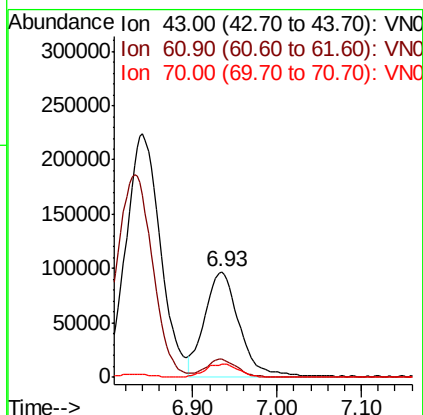
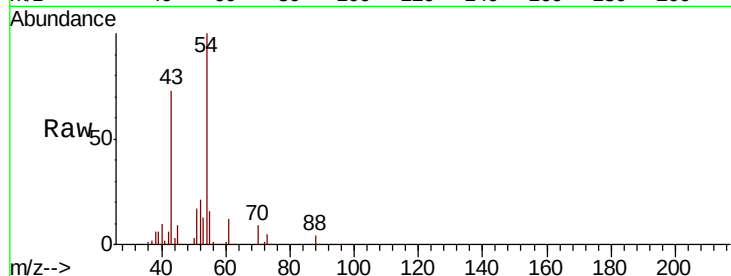




#37
Ethyl Acetate
Concen: 49.008 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

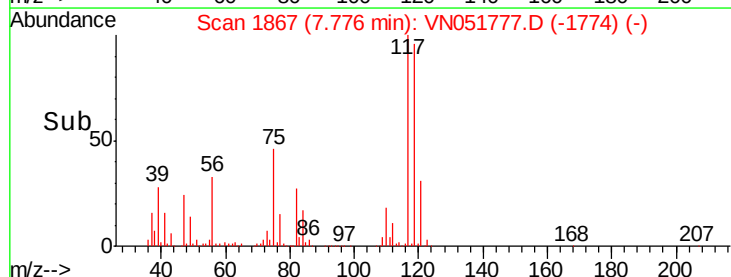
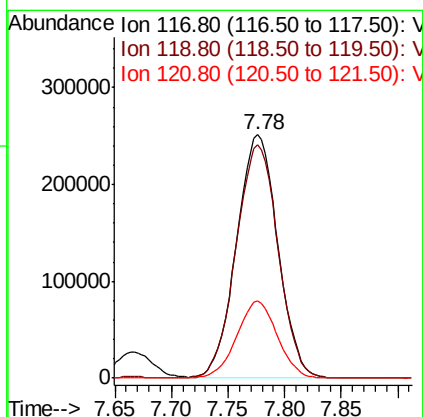
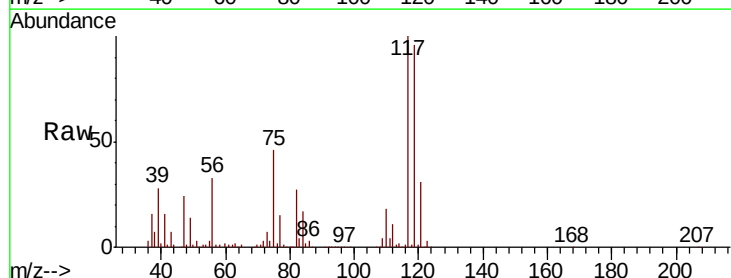
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

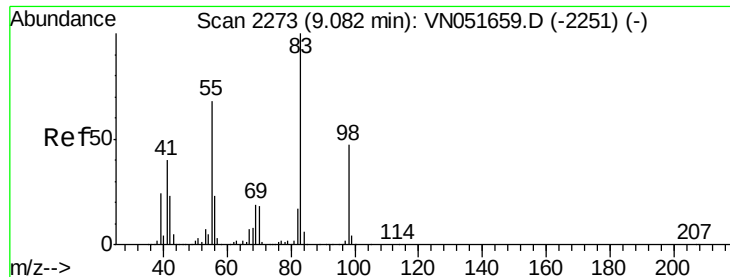
Tot Ion: 43 Resp: 275100
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 12.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 49.298 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 117 Resp: 636670
Ion Ratio Lower Upper
117 100
119 95.6 77.0 115.6
121 31.5 25.0 37.6

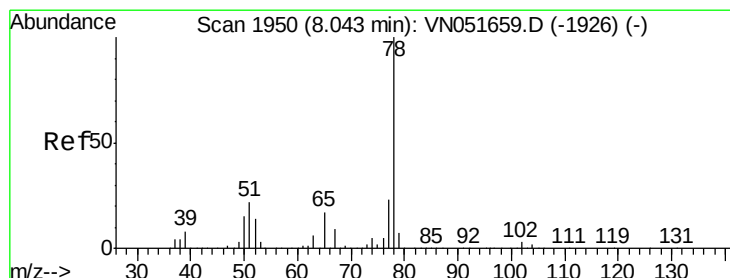
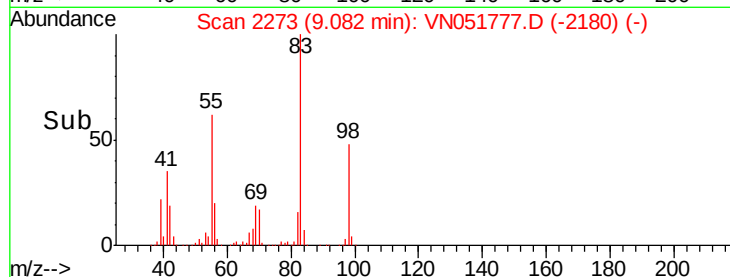
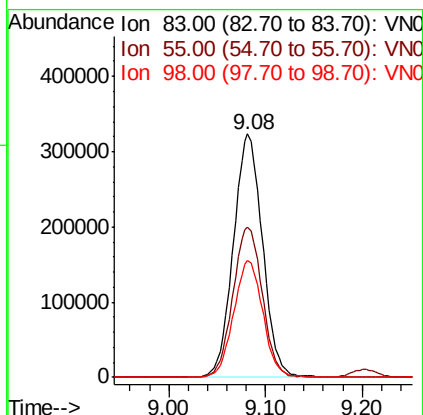
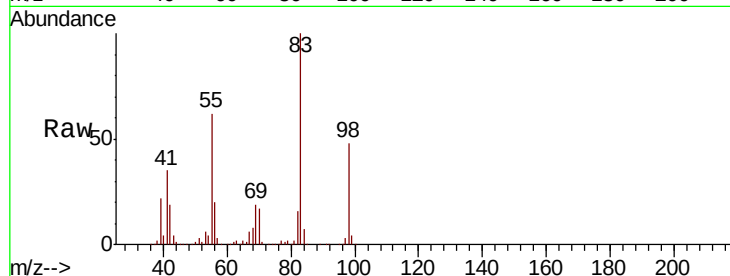




#39
Methylvlcyclohexane
Concen: 50.068 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

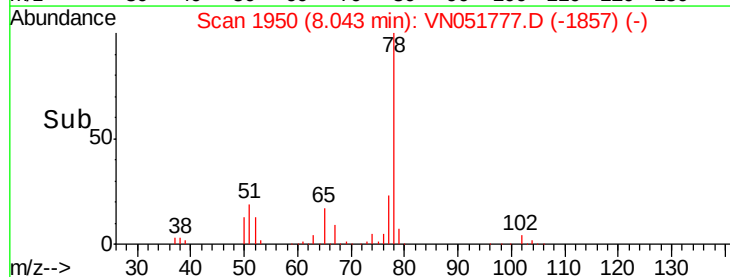
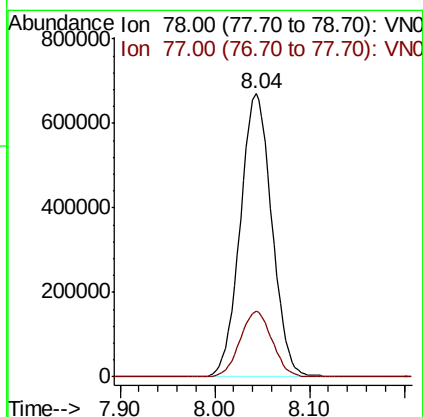
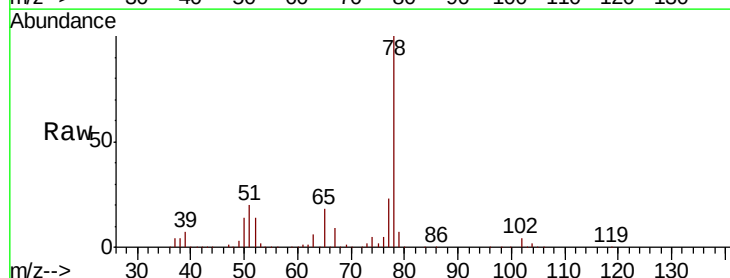
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

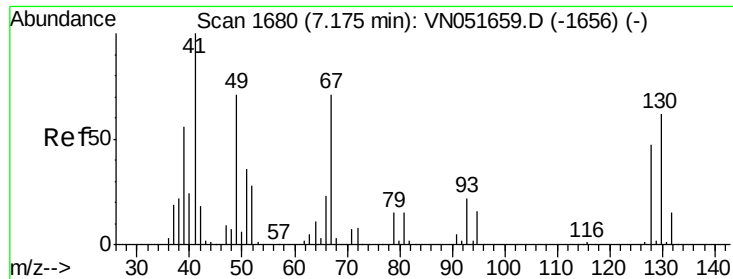
Tot Ion: 83 Resp: 676431
Ion Ratio Lower Upper
83 100
55 61.8 54.3 81.5
98 47.8 37.4 56.2



#40
Benzene
Concen: 48.827 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 78 Resp: 1557899
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7

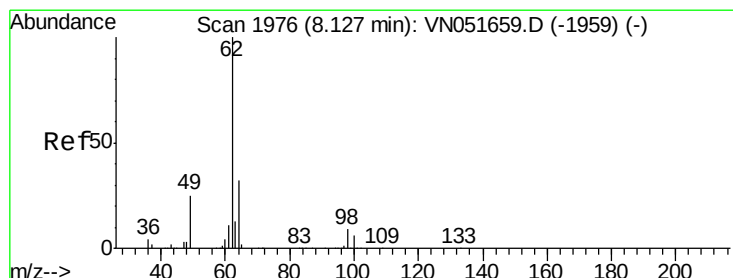
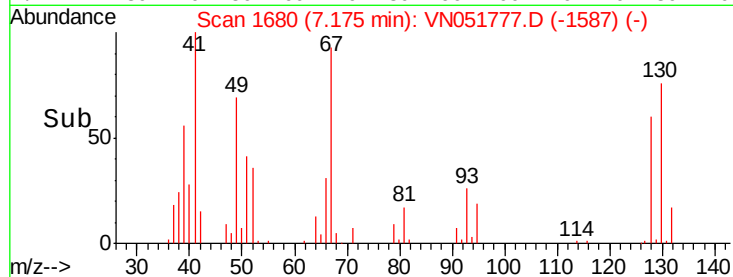
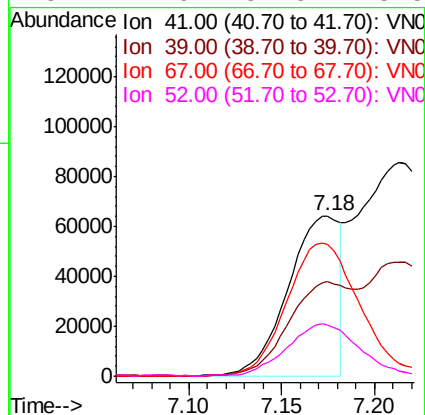
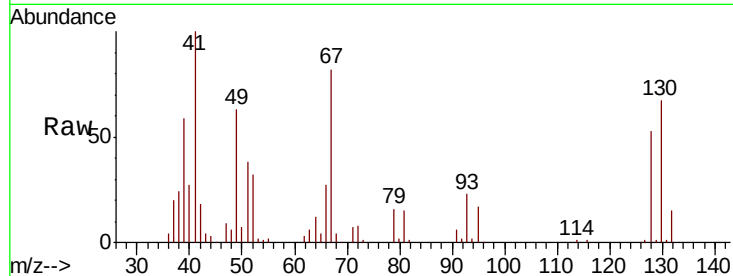




#41
Methacrylonitrile
Concen: 42.928 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

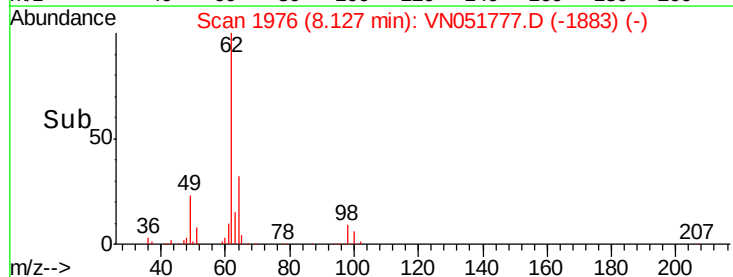
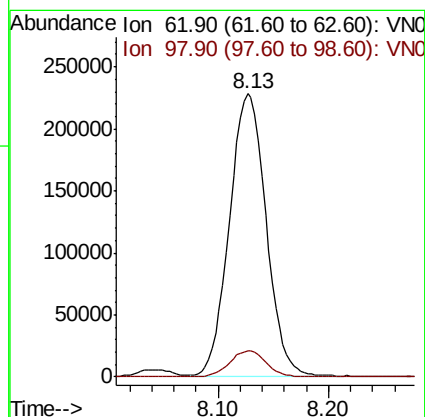
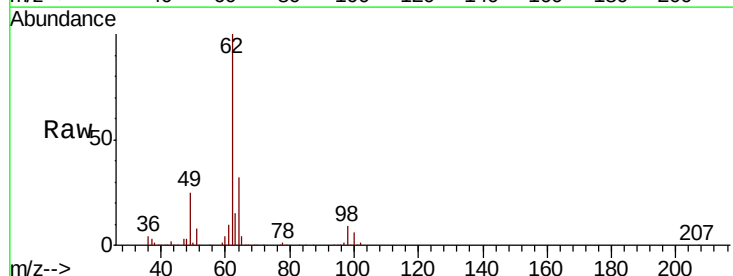
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

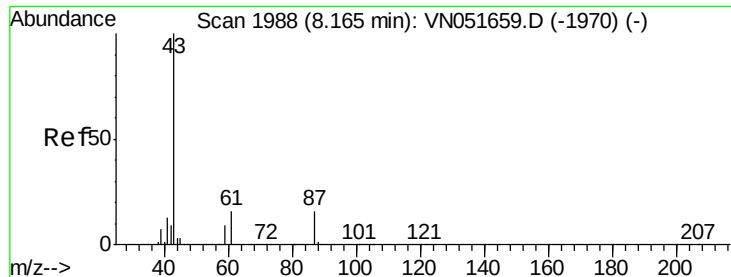
Tot Ion: 41 Resp: 124281
Ion Ratio Lower Upper
41 100
39 74.1 53.9 80.9
67 118.1 78.1 117.1#
52 44.9 32.3 48.5



#42
1,2-Dichloroethane
Concen: 48.794 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 62 Resp: 524667
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 48.091 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

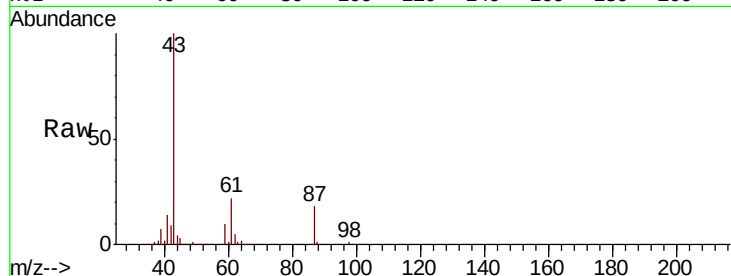
Tot Ion: 43 Resp: 562835

Ion Ratio Lower Upper

43 100

61 30.1 15.8 23.6#

87 16.5 12.6 19.0

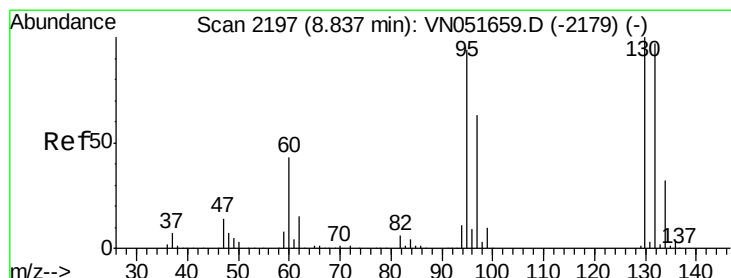
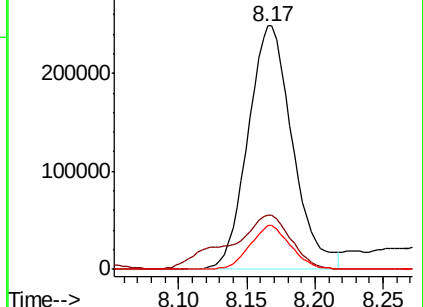
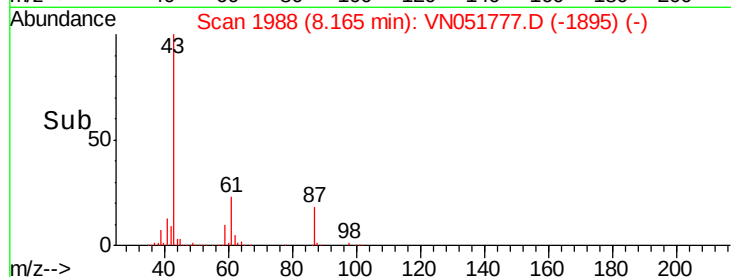


Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-1970) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 52.887 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051777.D

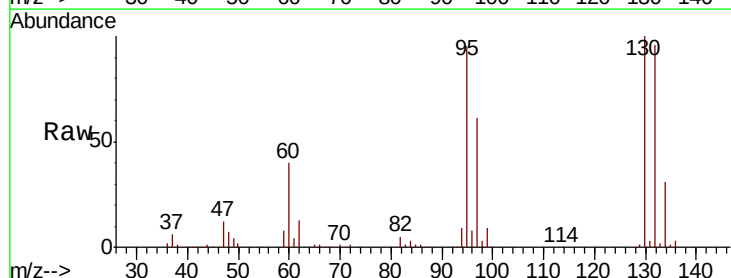
Acq: 10 Oct 2018 9:27

Tgt Ion: 130 Resp: 479131

Ion Ratio Lower Upper

130 100

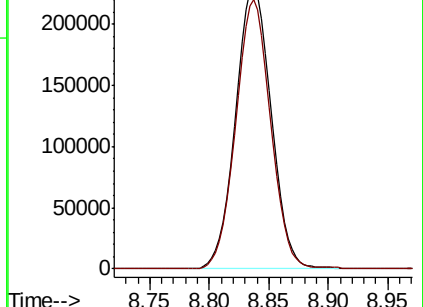
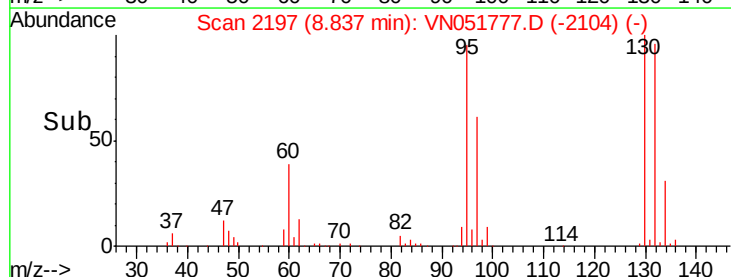
95 95.0 0.0 188.0

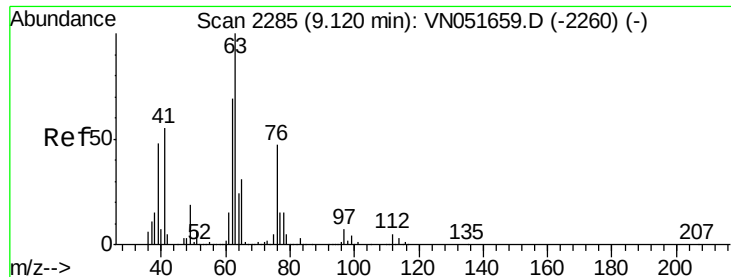


Abundance Ion 129.80 (129.50 to 130.50): VN051659.D (-2179) (-)

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

Time-->





#45

1,2-Dichloropropane

Concen: 47.213 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

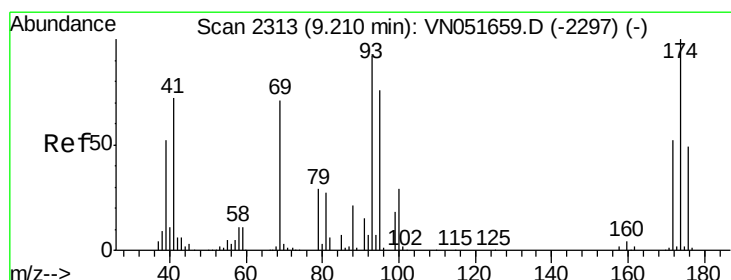
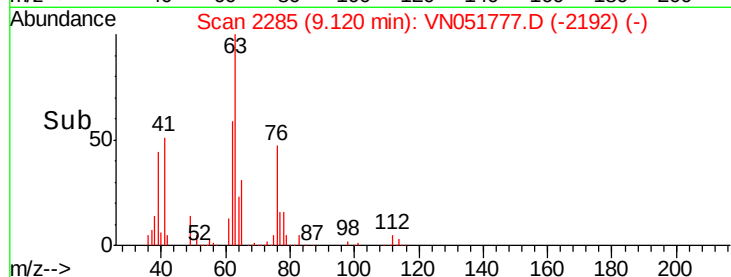
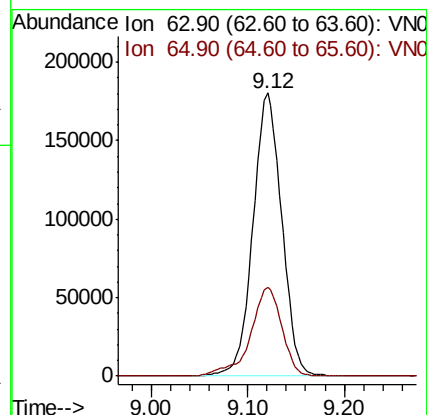
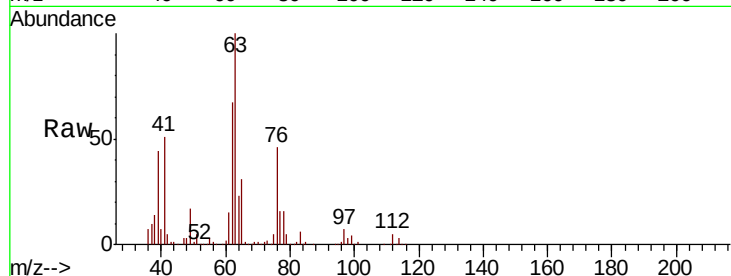
VSTDCCC050

Tot Ion: 63 Resp: 372441

Ion Ratio Lower Upper

63 100

65 31.4 25.0 37.4



#46

Dibromomethane

Concen: 52.429 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

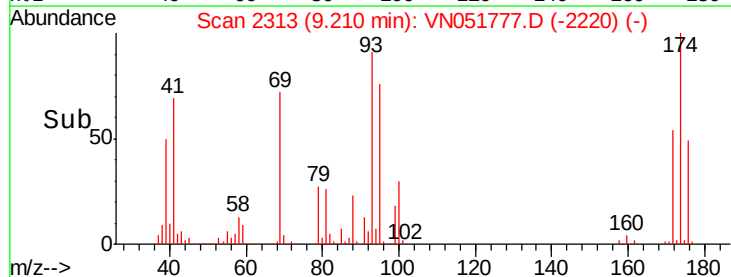
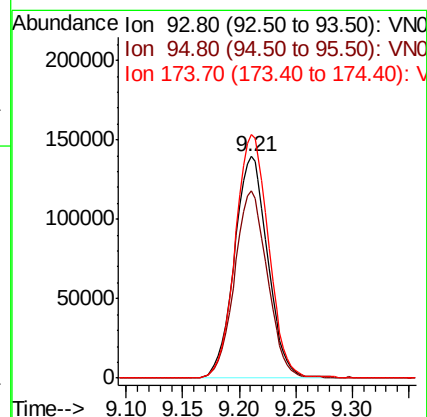
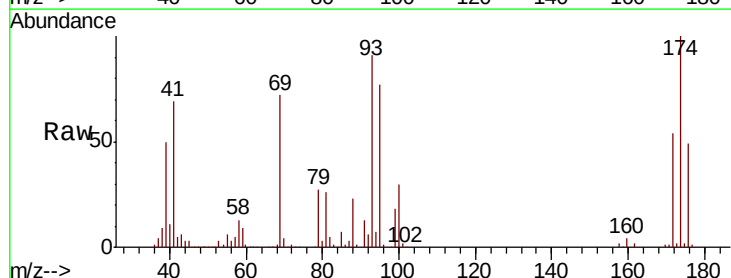
Tgt Ion: 93 Resp: 287476

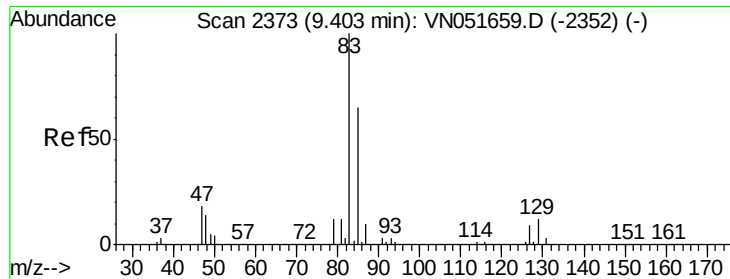
Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

174 109.8 85.9 128.9





#47

Bromodichloromethane

Concen: 49.222 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

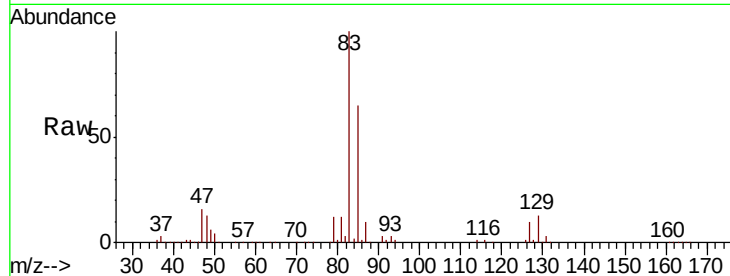
Tot Ion: 83 Resp: 594124

Ion Ratio Lower Upper

83 100

85 65.0 51.6 77.4

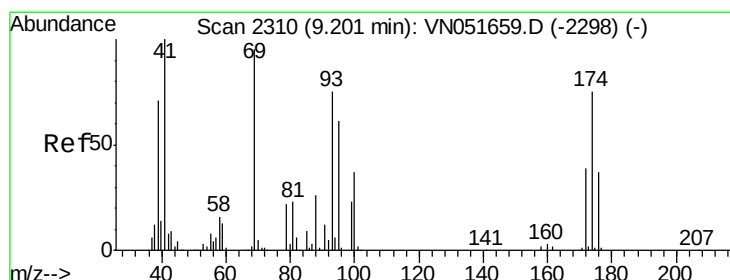
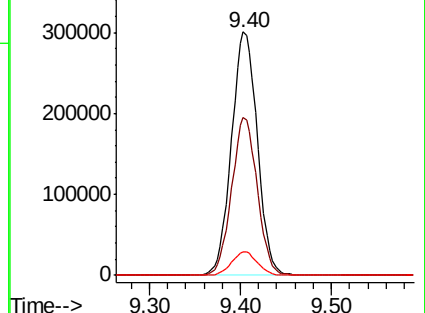
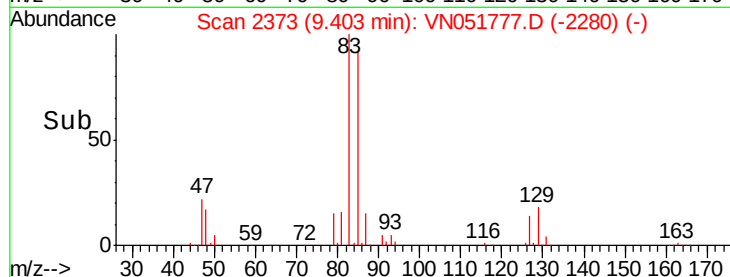
127 9.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN051777.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051777.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051777.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.288 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

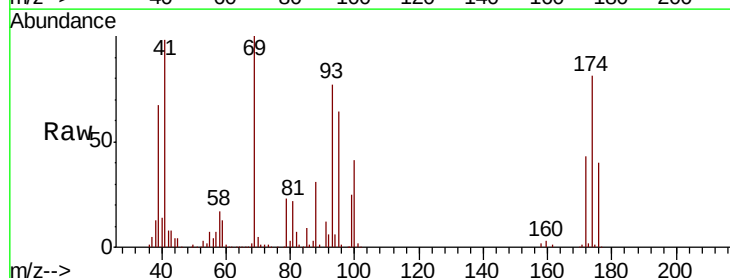
Tgt Ion: 41 Resp: 252886

Ion Ratio Lower Upper

41 100

69 107.8 78.6 118.0

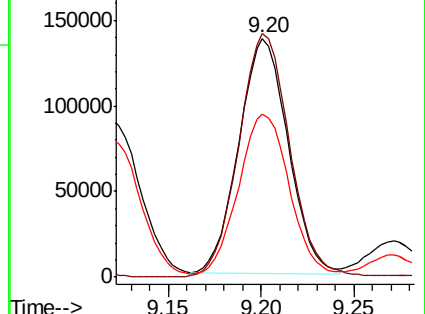
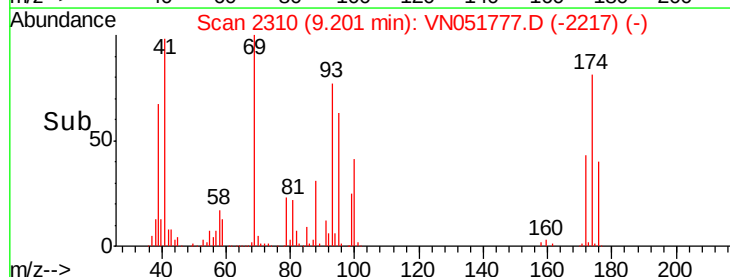
39 72.4 59.2 88.8

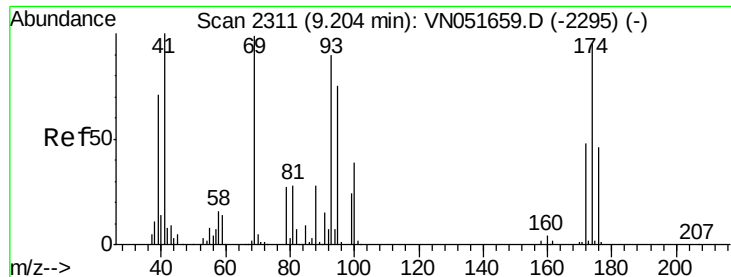


Abundance Ion 41.00 (40.70 to 41.70): VN051777.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051777.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051777.D (-2217) (-)

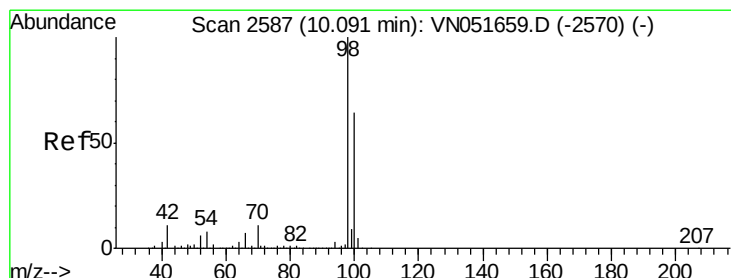
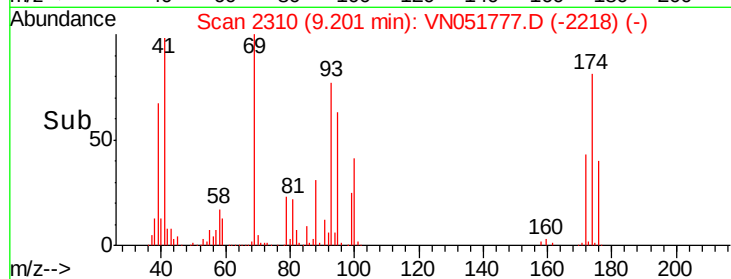
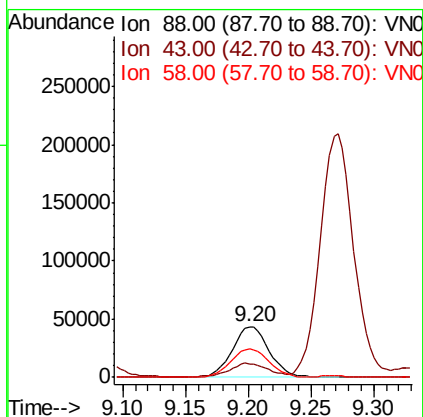
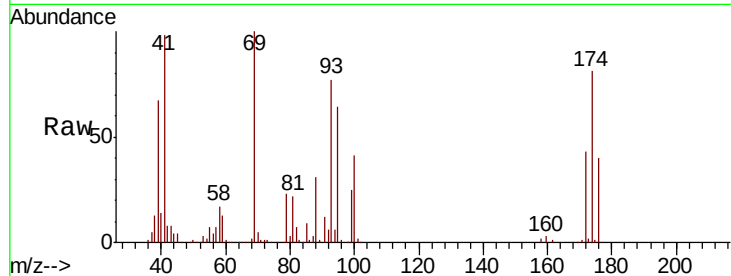




#49
1,4-Dioxane
Concen: 1113.257 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

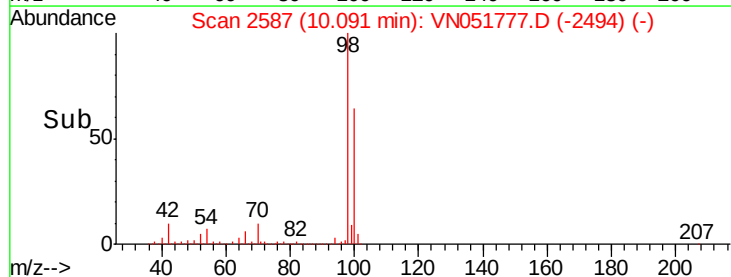
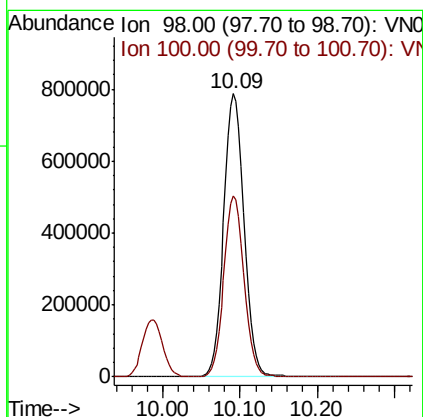
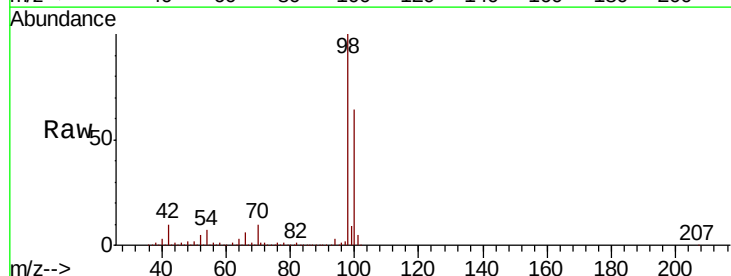
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

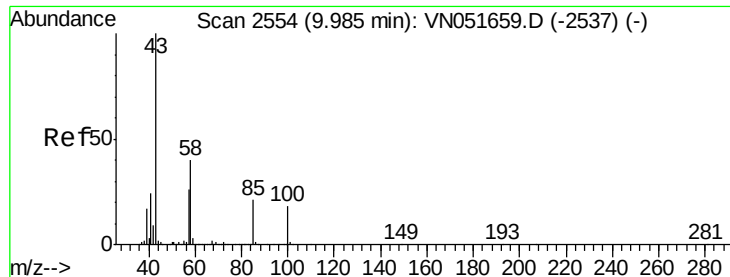
Tot Ion: 88 Resp: 89271
Ion Ratio Lower Upper
88 100
43 26.0 24.5 36.7
58 58.1 47.6 71.4



#50
Toluene-d8
Concen: 1113.257 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 98 Resp: 1443651
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 243.742 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

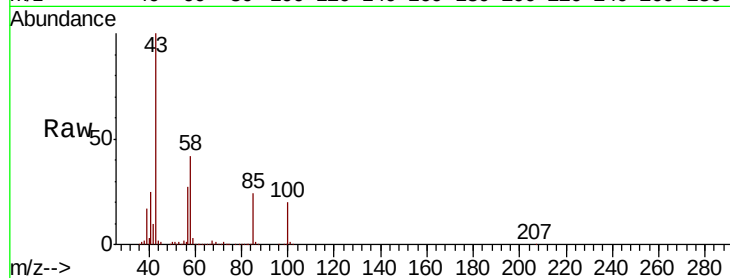
VSTDCCC050

Tot Ion: 43 Resp: 1445501

Ion Ratio Lower Upper

43 100

58 42.3 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

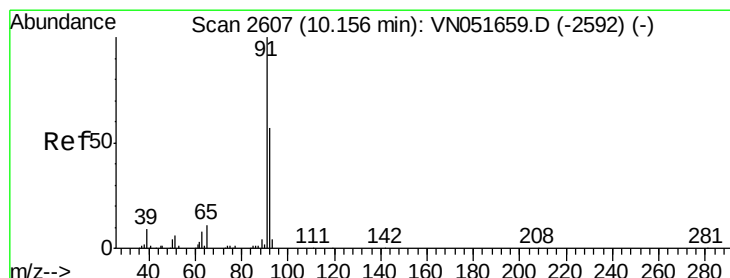
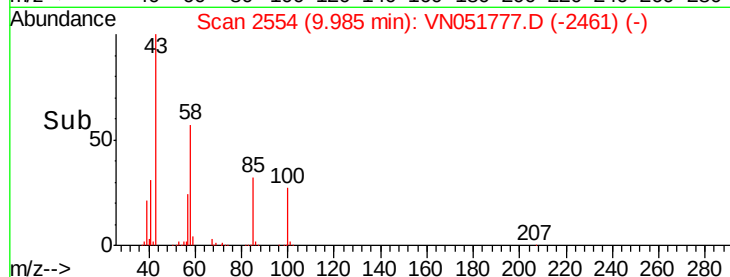
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 50.259 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051777.D

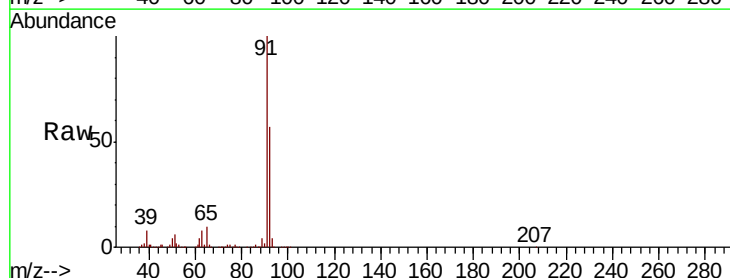
Acq: 10 Oct 2018 9:27

Tgt Ion: 92 Resp: 1066543

Ion Ratio Lower Upper

92 100

91 175.9 140.3 210.5



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

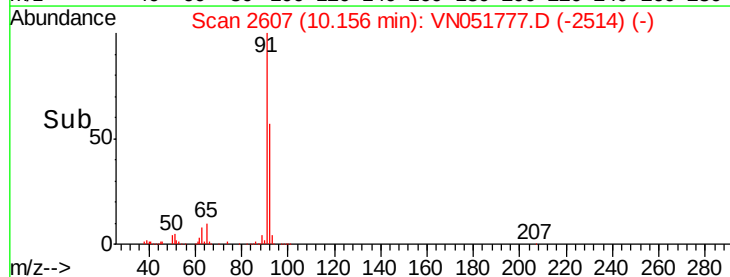
400000

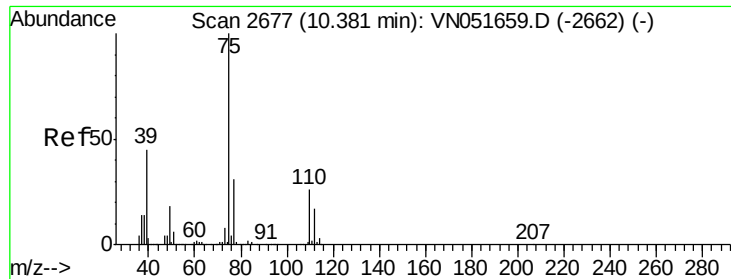
200000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.080 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

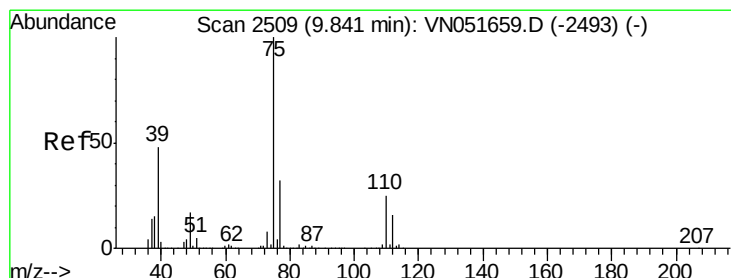
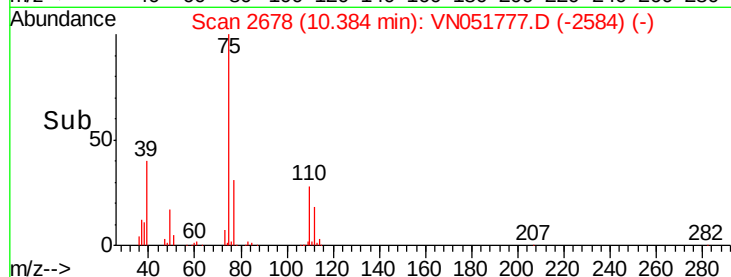
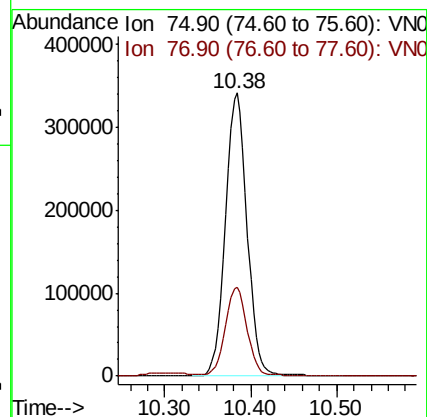
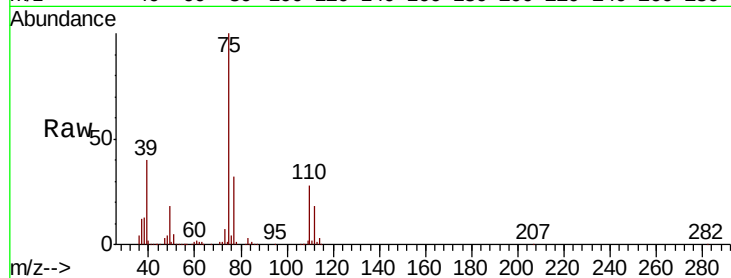
VSTDCCC050

Tot Ion: 75 Resp: 598841

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 48.359 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

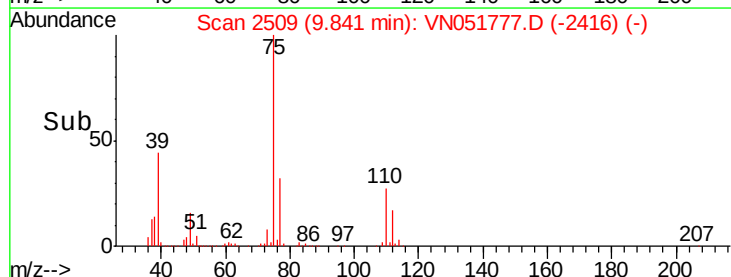
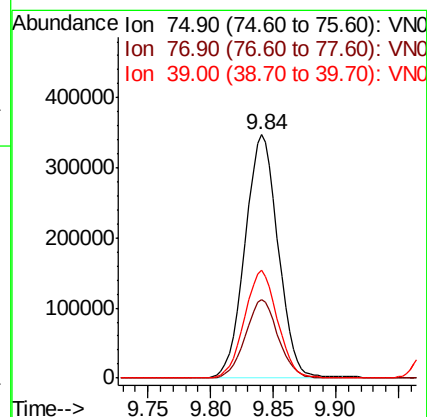
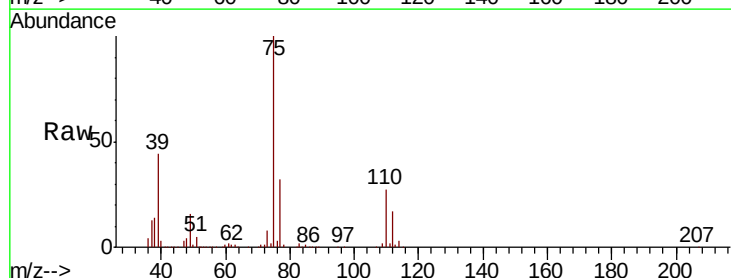
Tgt Ion: 75 Resp: 639598

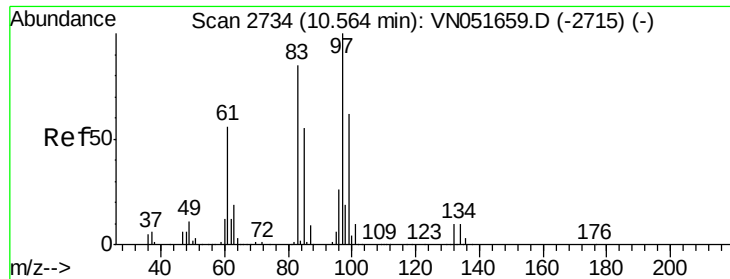
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 44.0 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 53.399 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 403680

Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.1	102.1
85	52.4	43.6	65.4
99	63.5	49.4	74.0

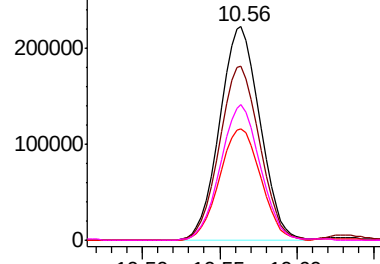
Abundance

Ion 96.90 (96.60 to 97.60): VN0

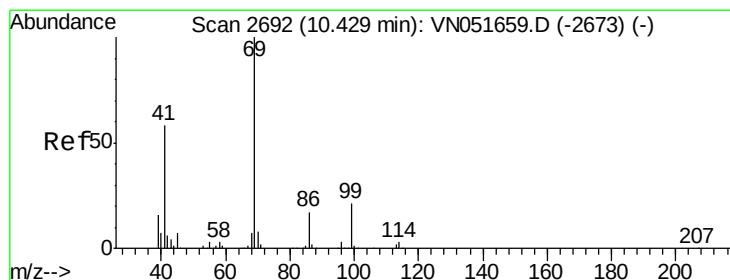
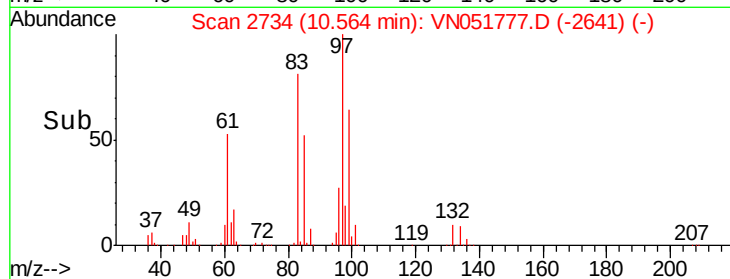
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 51.514 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion: 69 Resp: 492475

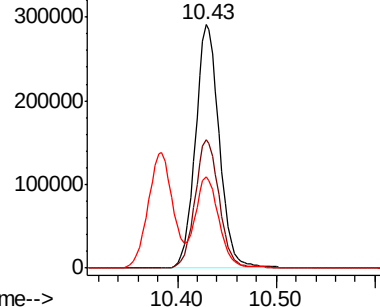
Ion	Ratio	Lower	Upper
69	100		
41	53.1	46.4	69.6
39	37.4	32.4	48.6

Abundance

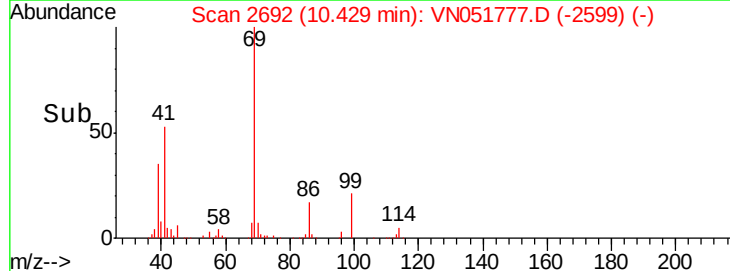
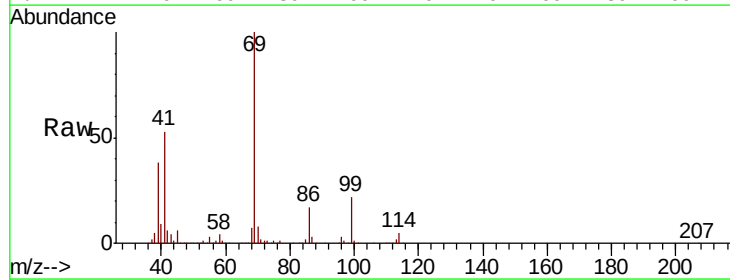
Ion 69.00 (68.70 to 69.70): VN0

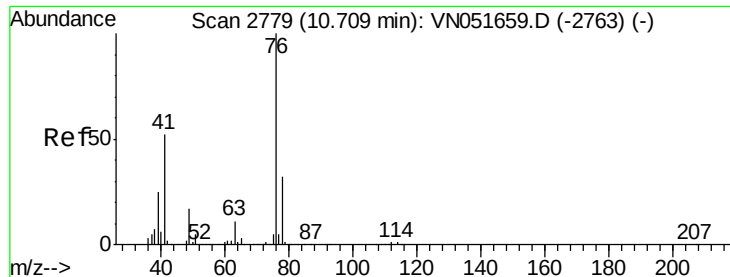
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#57

1,3-Dichloropropane

Concen: 51.426 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

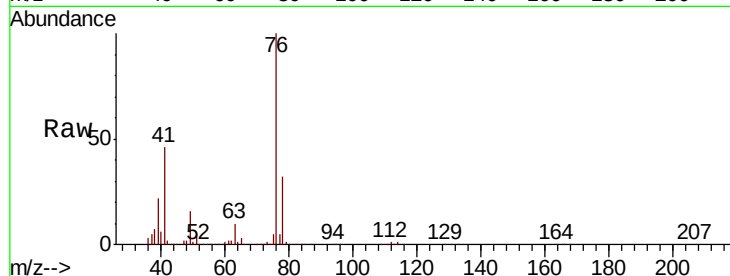
VSTDCCC050

Tot Ion: 76 Resp: 615294

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN051659.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051659.D (-2763) (-)

10.71

400000

300000

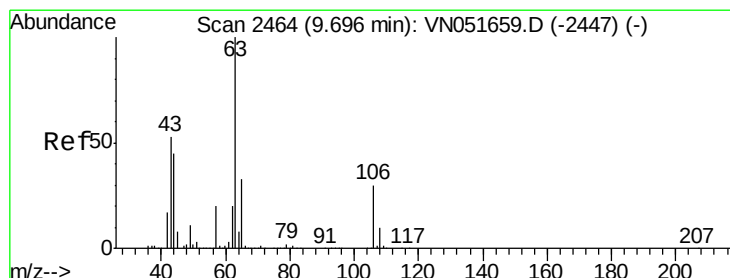
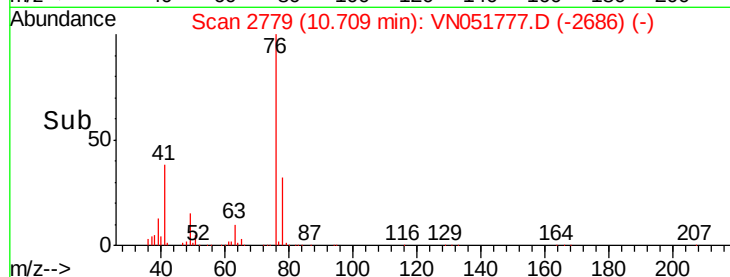
200000

100000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 246.762 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051777.D

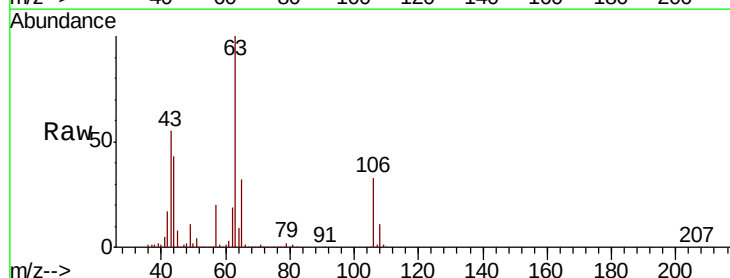
Acq: 10 Oct 2018 9:27

Tgt Ion: 63 Resp: 976327

Ion Ratio Lower Upper

63 100

106 33.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN051659.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051659.D (-2447) (-)

9.70

600000

500000

400000

300000

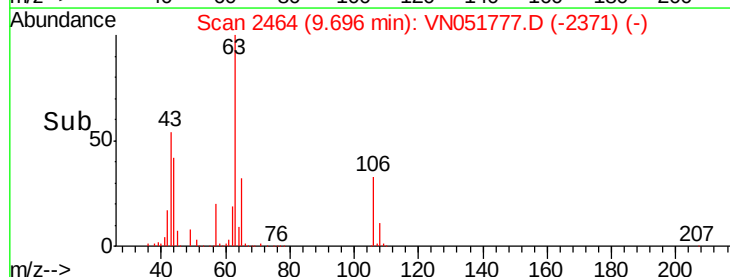
200000

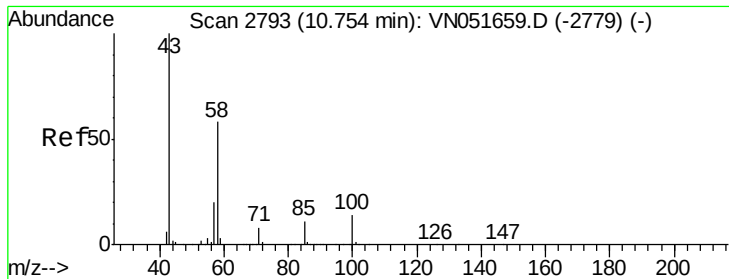
100000

0

Time-->

9.60 9.65 9.70 9.75 9.80

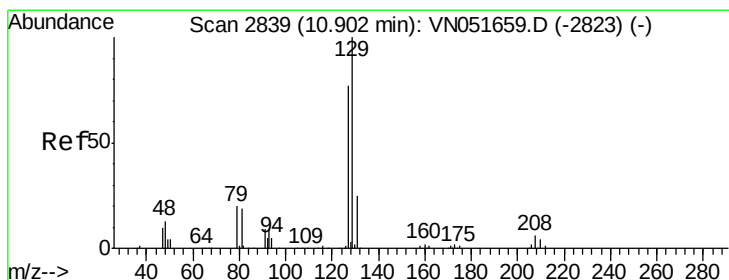
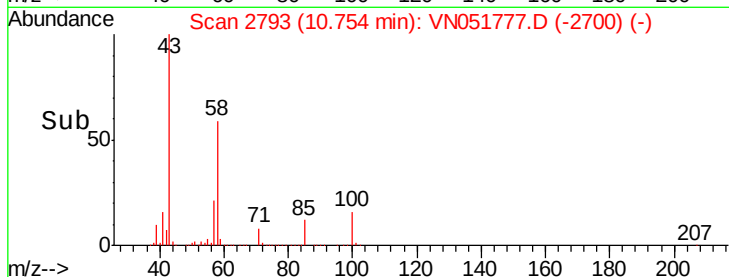
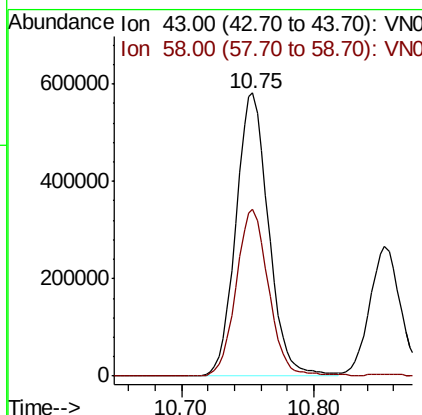
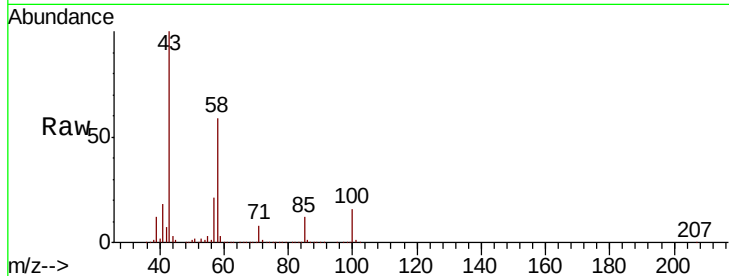




#59
2-Hexanone
Concen: 246.895 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

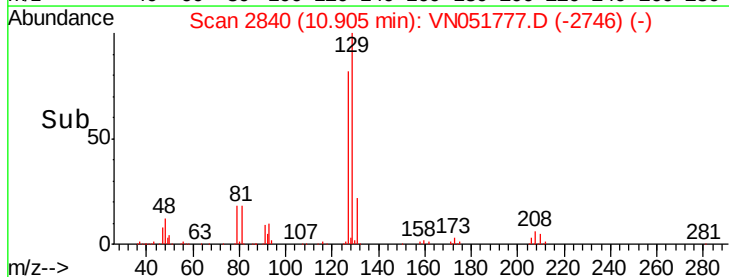
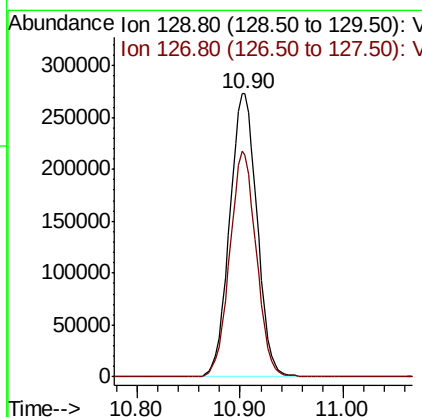
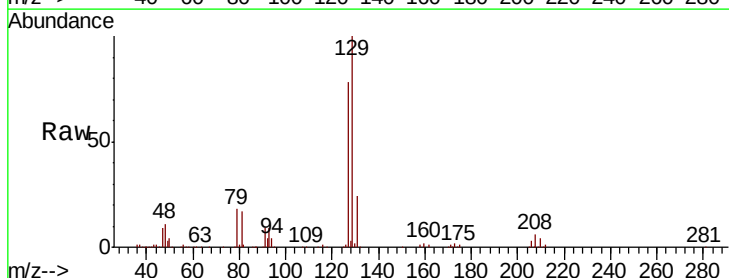
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

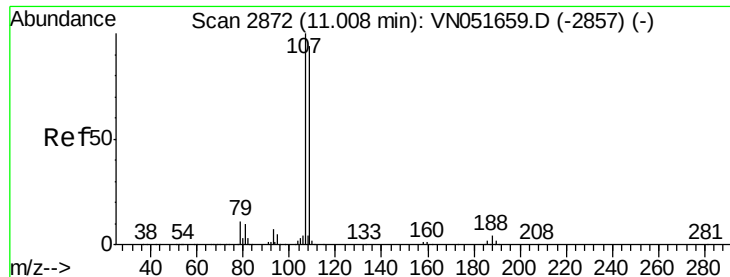
Tot Ion: 43 Resp: 994384
Ion Ratio Lower Upper
43 100
58 59.0 28.8 86.4



#60
Dibromochloromethane
Concen: 51.034 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 129 Resp: 504872
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7

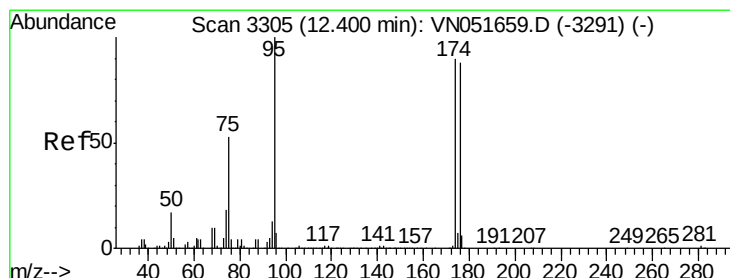
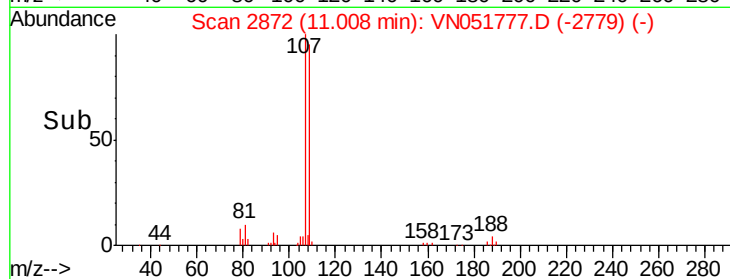
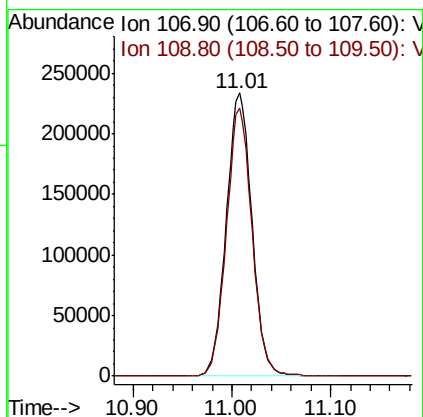
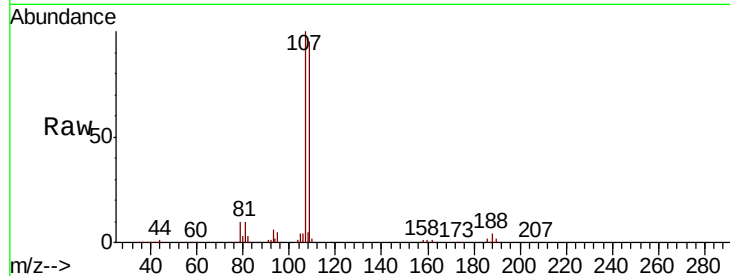




#61
 1,2-Dibromoethane
 Concen: 53.223 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

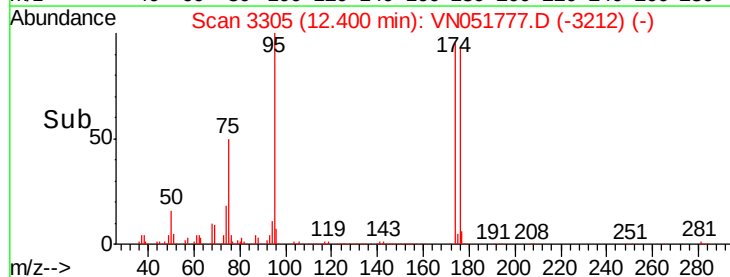
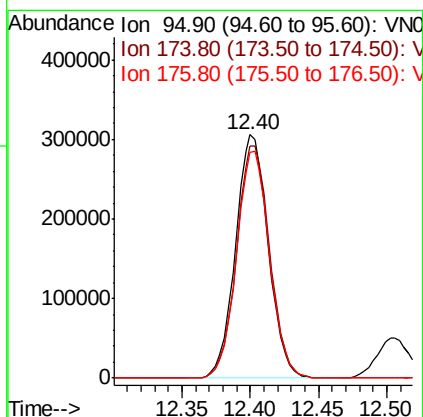
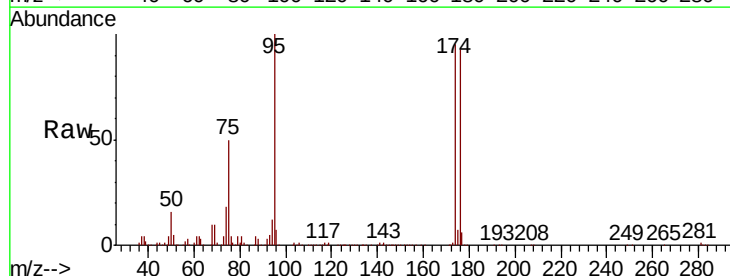
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

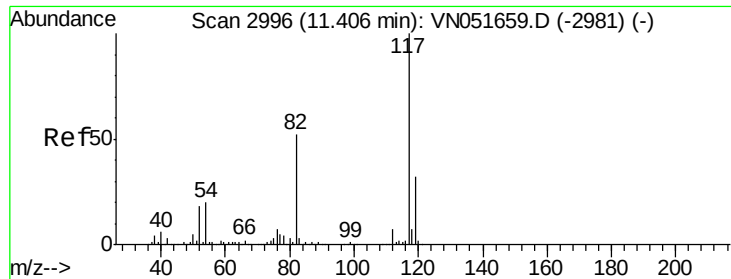
Tot Ion:107 Resp: 425342
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.223 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion: 95 Resp: 507021
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 182.8
 176 94.2 0.0 176.4

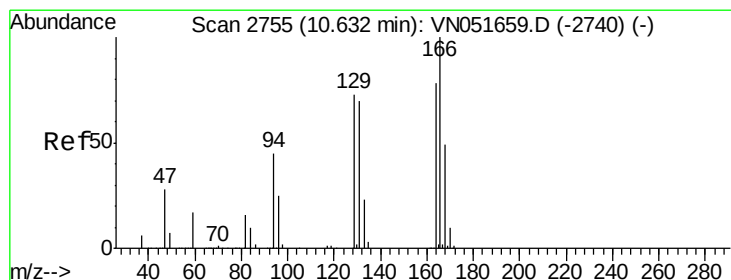
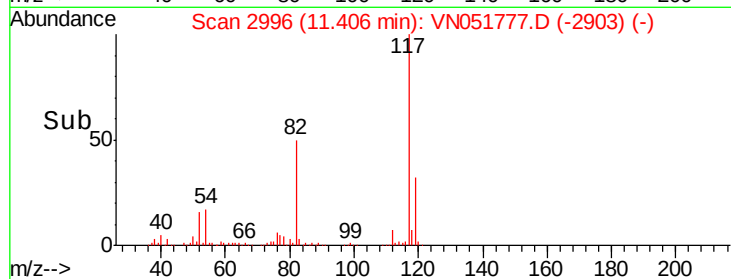
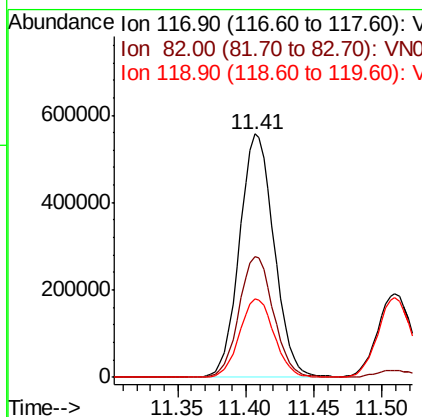
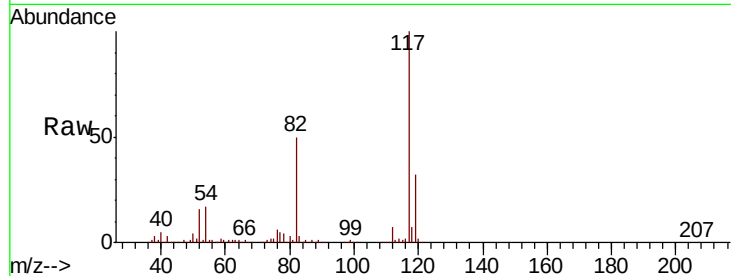




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

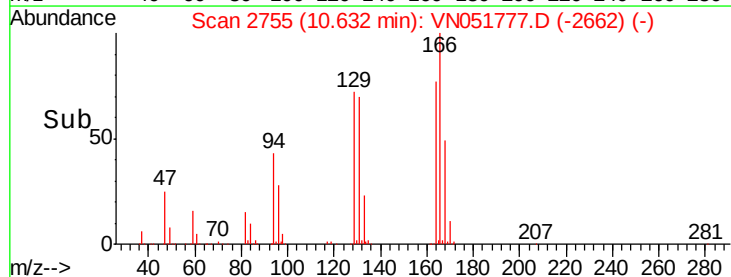
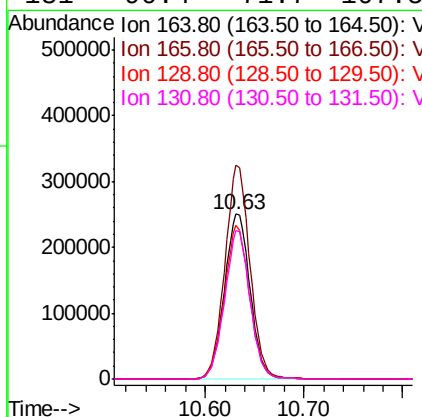
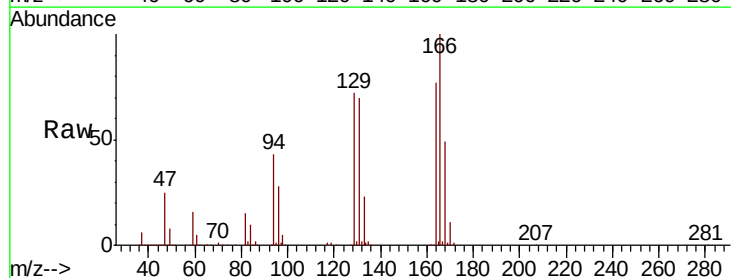
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

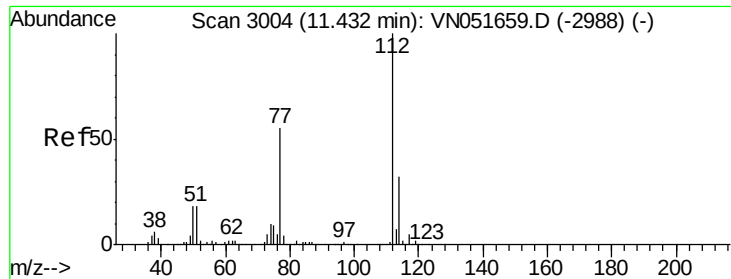
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.3	61.9
119	32.2	25.9	38.9



#64
Tetrachloroethene
Concen: 52.775 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.0	154.6
129	93.1	75.2	112.8
131	90.4	71.7	107.5

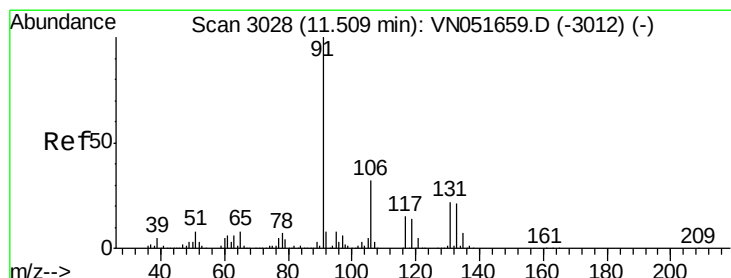
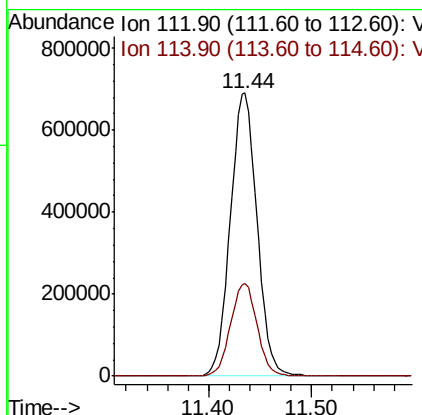
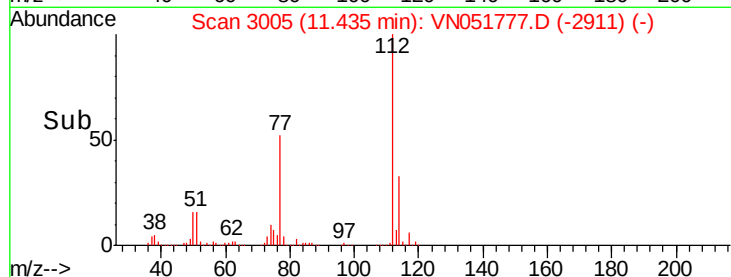
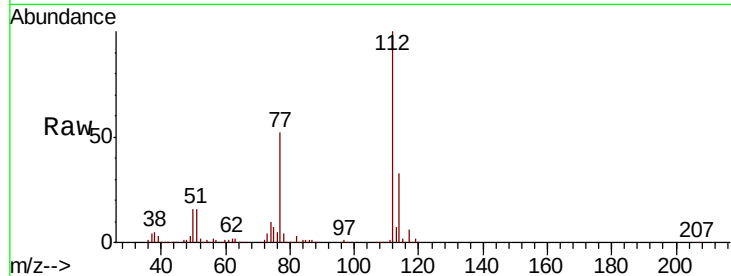




#65
Chlorobenzene
Concen: 51.208 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

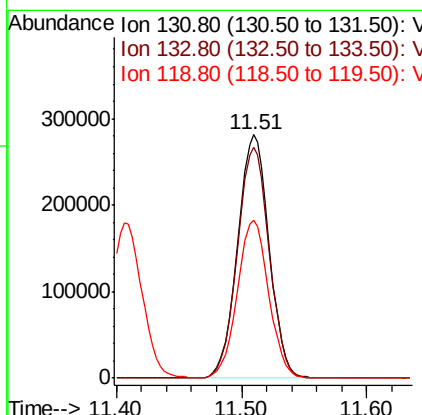
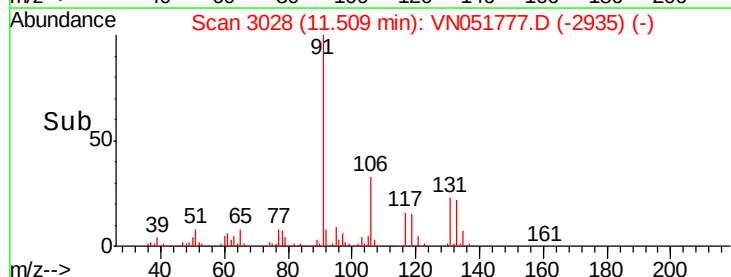
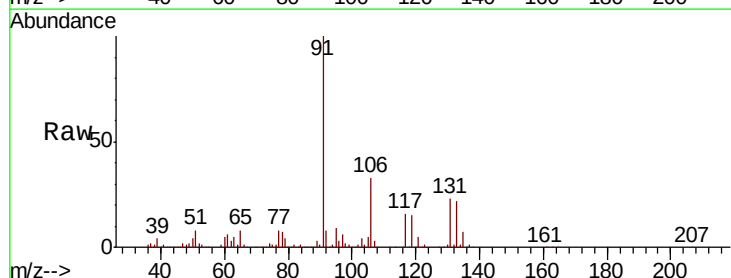
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

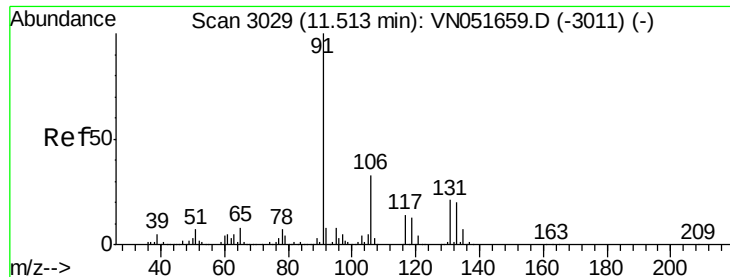
Tot Ion:112 Resp: 1243309
Ion Ratio Lower Upper
112 100
114 32.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 50.347 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion:131 Resp: 489452
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.8
119 64.7 32.0 96.0

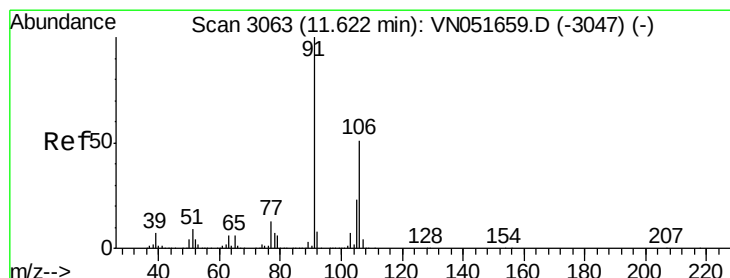
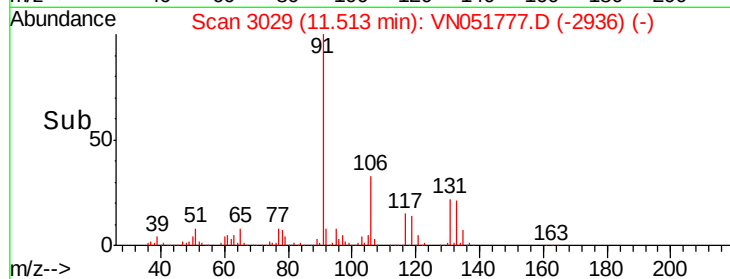
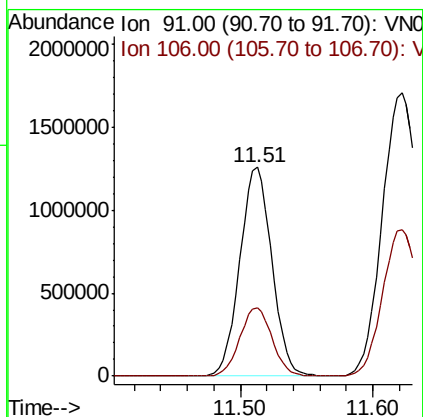
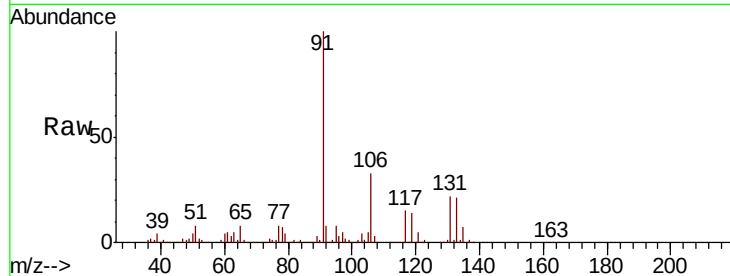




#67
Ethyl Benzene
Concen: 50.188 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

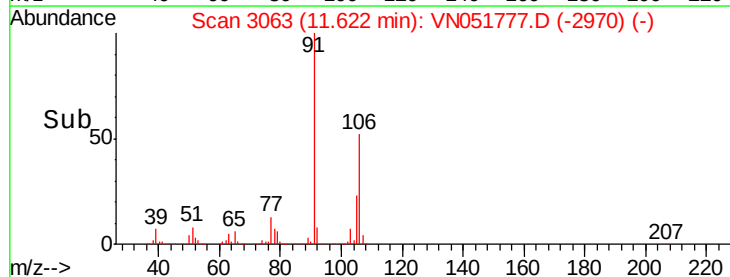
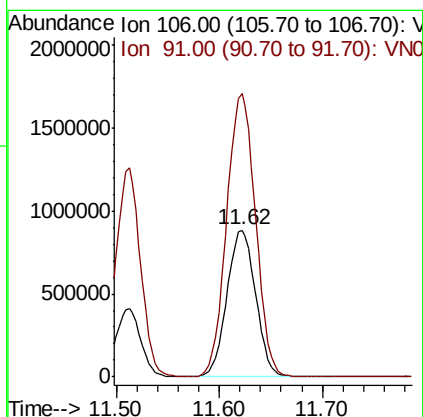
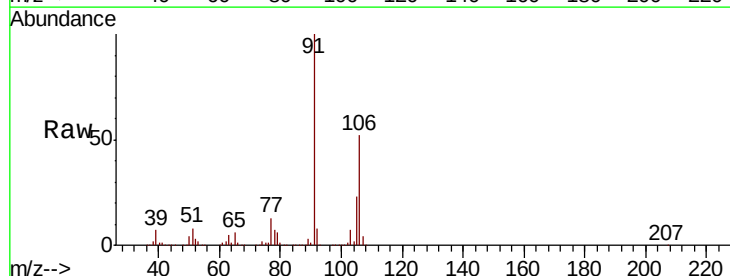
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

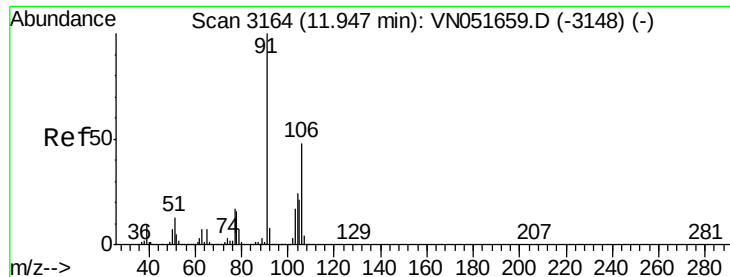
Tot Ion: 91 Resp: 2106175
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0



#68
m/p-Xylenes
Concen: 101.841 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion: 106 Resp: 1710034
Ion Ratio Lower Upper
106 100
91 194.5 158.4 237.6

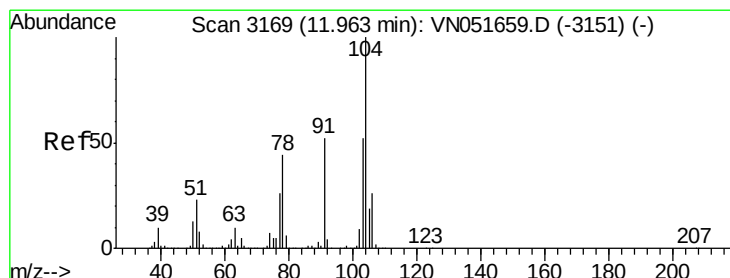
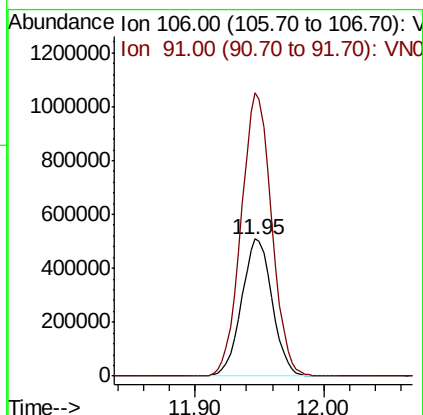
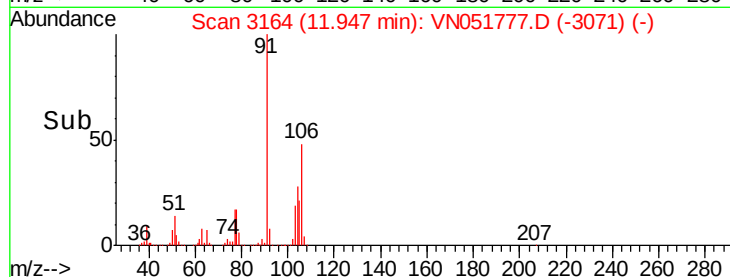
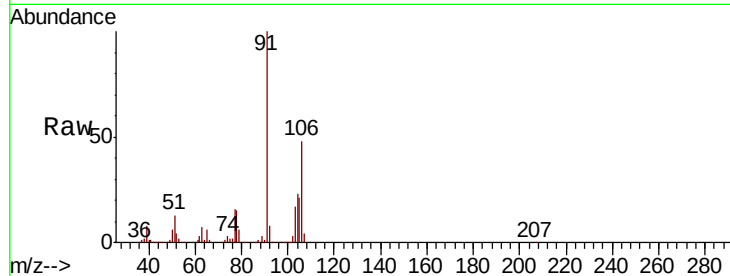




#69
o-Xylene
Concen: 50.868 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

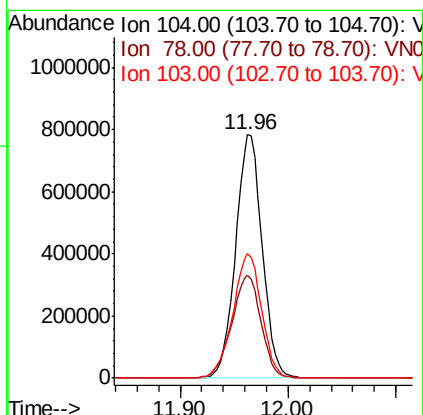
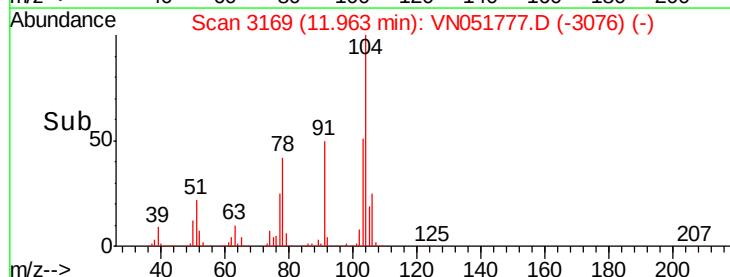
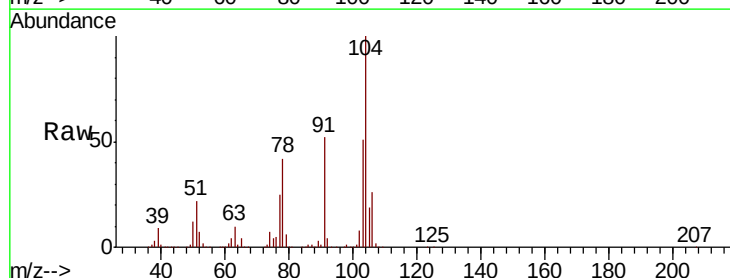
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

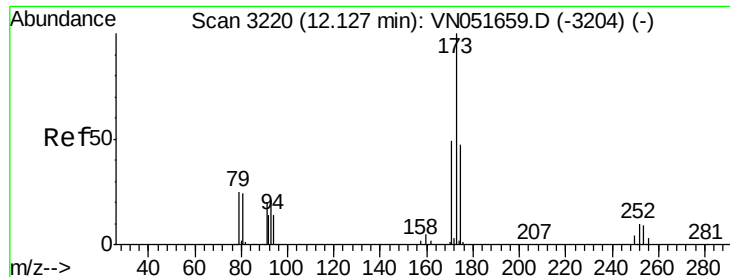
Tot Ion:106 Resp: 837648
Ion Ratio Lower Upper
106 100
91 206.2 104.4 313.2



#70
Styrene
Concen: 51.170 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion:104 Resp: 1342686
Ion Ratio Lower Upper
104 100
78 46.6 39.3 58.9
103 55.4 45.0 67.6





#71

Bromoform

Concen: 49.182 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

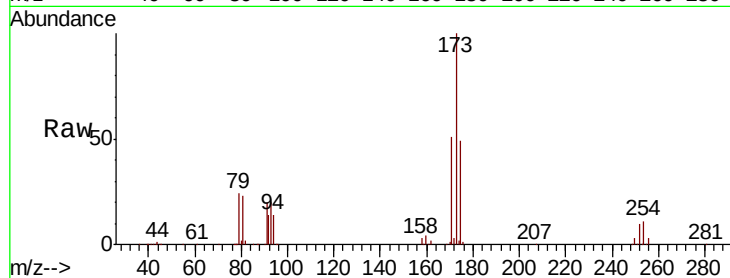
Tot Ion:173 Resp: 355630

Ion Ratio Lower Upper

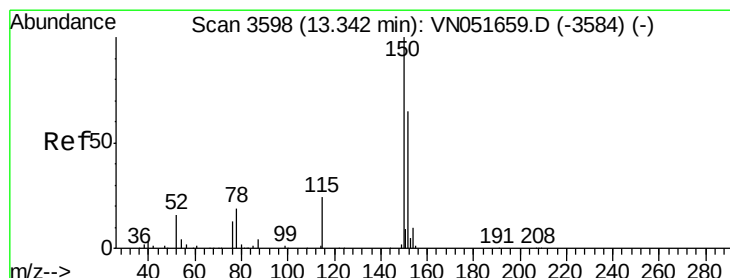
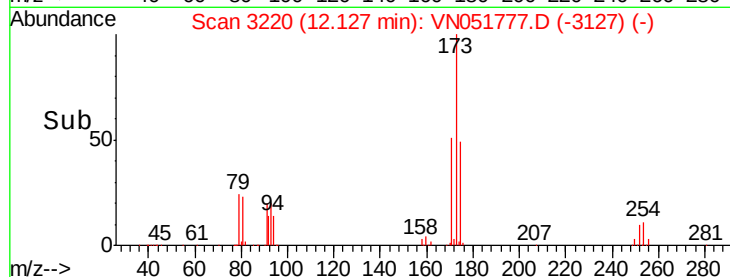
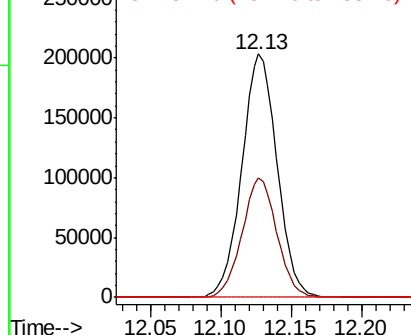
173 100

175 48.4 24.0 72.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

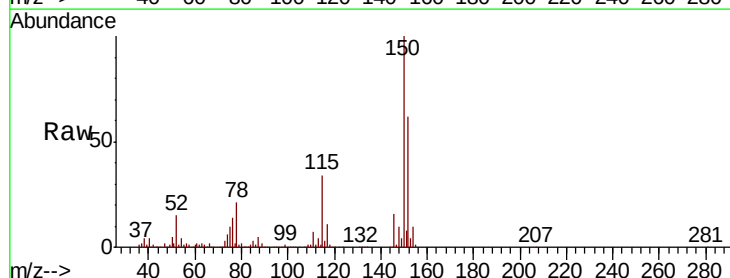
Tgt Ion:152 Resp: 556118

Ion Ratio Lower Upper

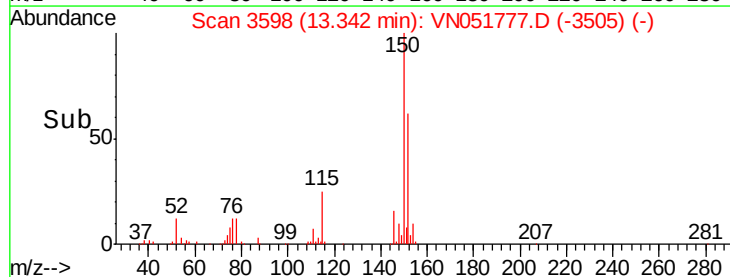
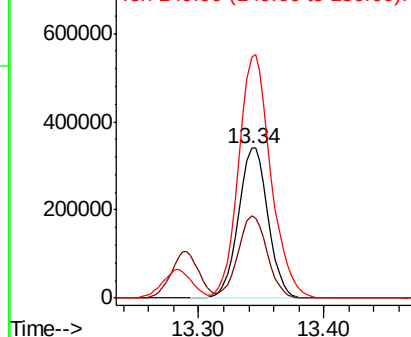
152 100

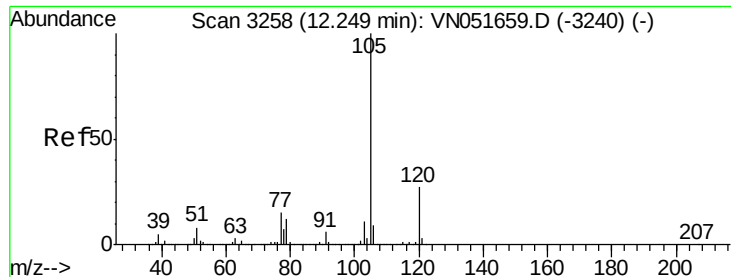
115 54.1 28.6 85.8

150 176.7 0.0 352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.842 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

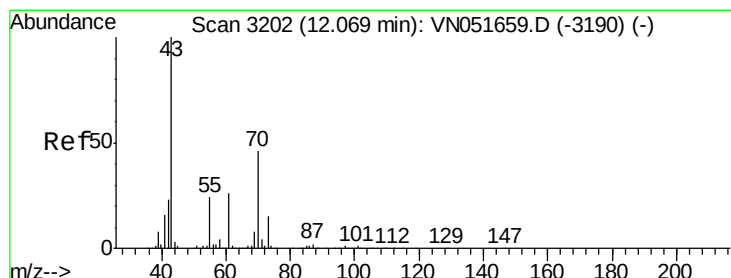
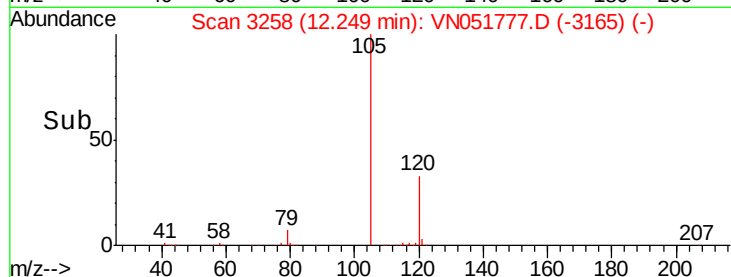
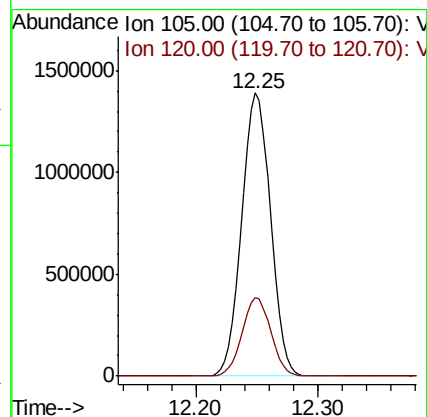
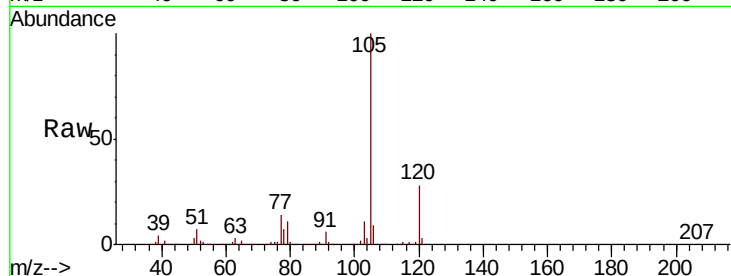
VSTDCCC050

Tot Ion:105 Resp: 2268002

Ion Ratio Lower Upper

105 100

120 27.6 13.9 41.6



#74

N-ethyl acetate

Concen: 47.180 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion: 43 Resp: 464072

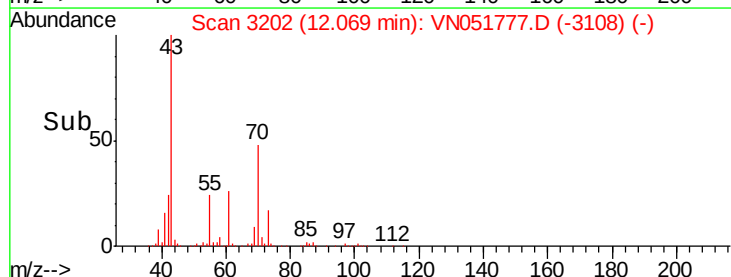
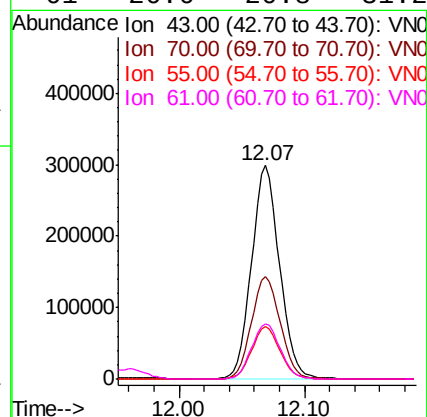
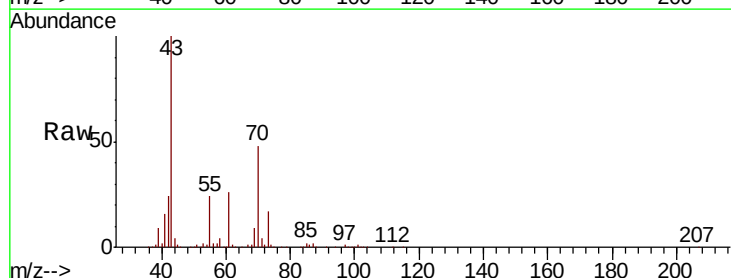
Ion Ratio Lower Upper

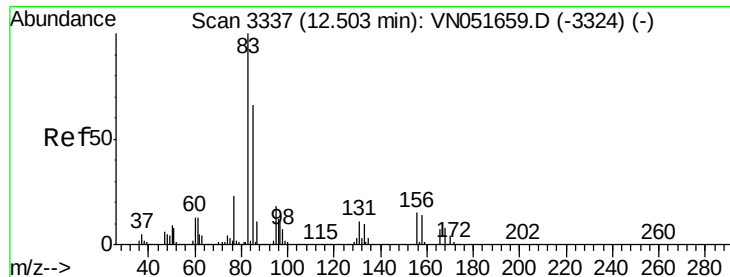
43 100

70 49.5 37.1 55.7

55 25.0 19.1 28.7

61 26.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.715 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

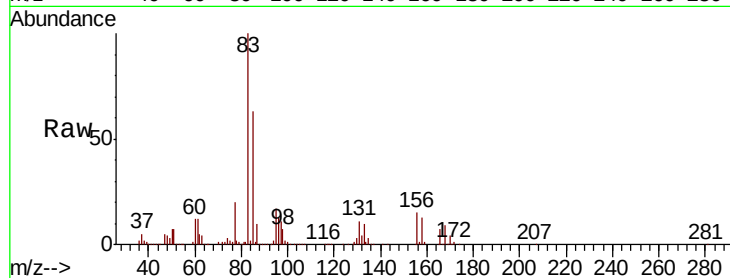
Tot Ion: 83 Resp: 491068

Ion Ratio Lower Upper

83 100

131 11.9 5.7 17.1

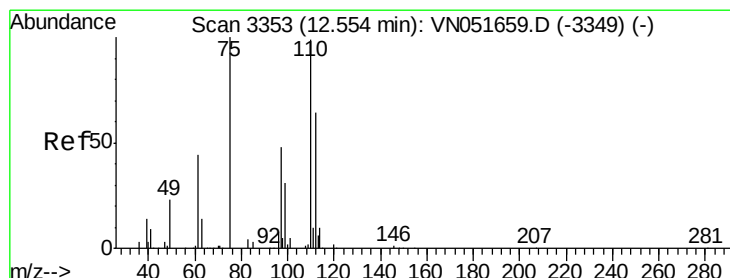
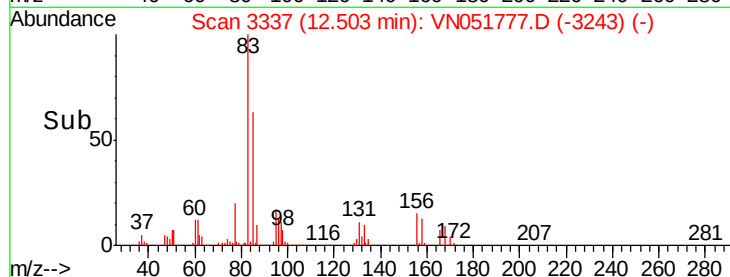
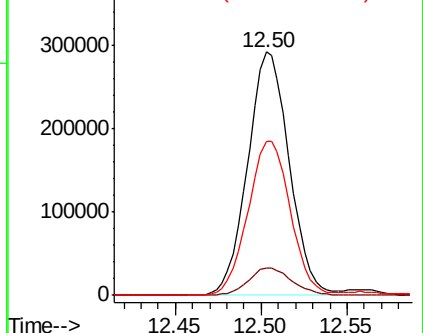
85 64.6 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN051777.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051777.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051777.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 89.918 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051777.D

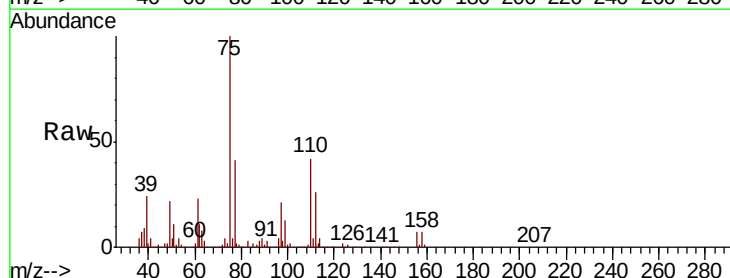
Acq: 10 Oct 2018 9:27

Tgt Ion: 75 Resp: 598688

Ion Ratio Lower Upper

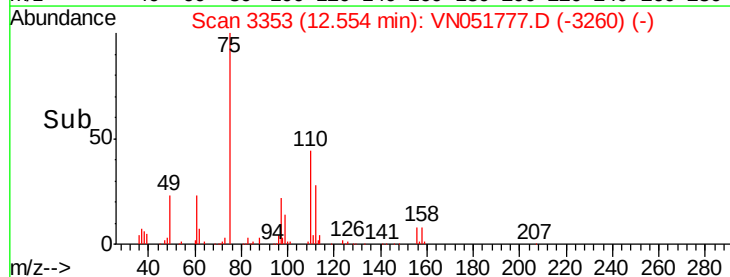
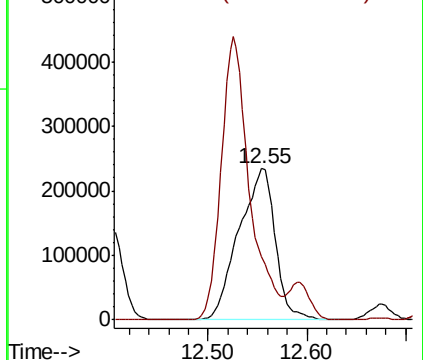
75 100

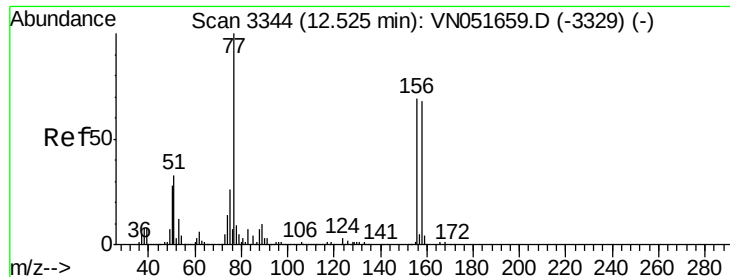
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051777.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051777.D (-3260) (-)





#77

Bromobenzene

Concen: 49.433 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

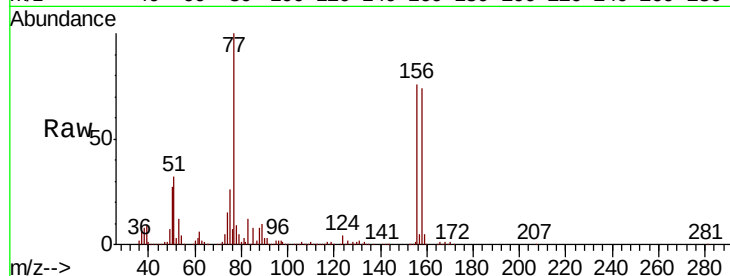
Tot Ion:156 Resp: 572985

Ion Ratio Lower Upper

156 100

77 155.2 83.2 249.4

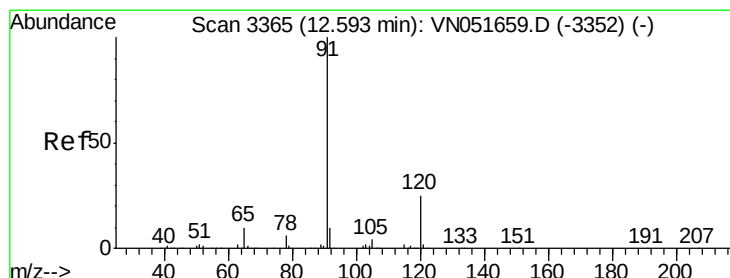
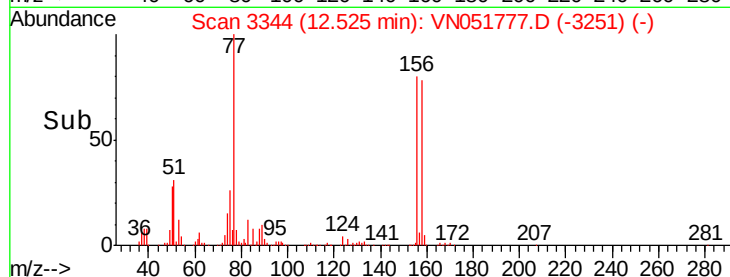
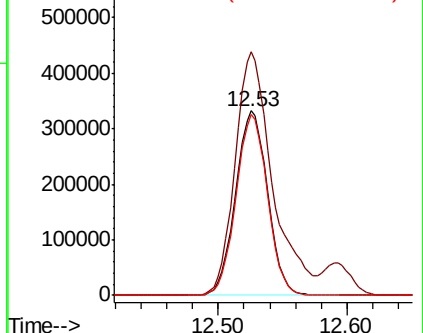
158 96.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.614 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051777.D

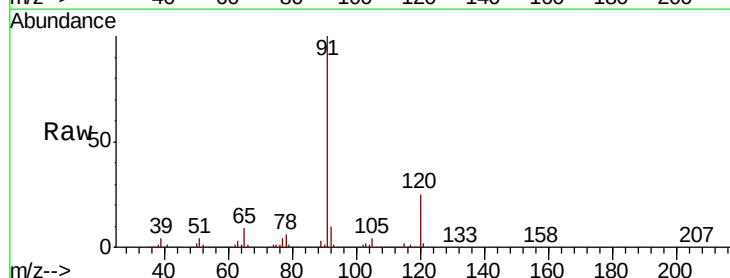
Acq: 10 Oct 2018 9:27

Tgt Ion: 91 Resp: 2461956

Ion Ratio Lower Upper

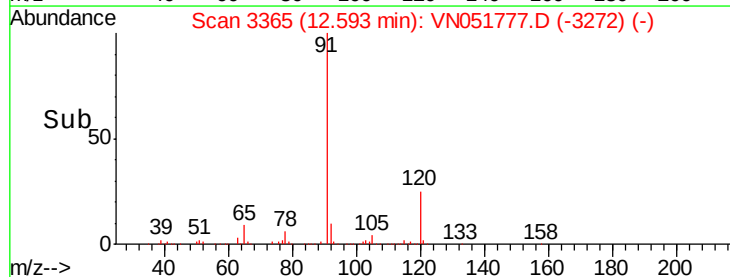
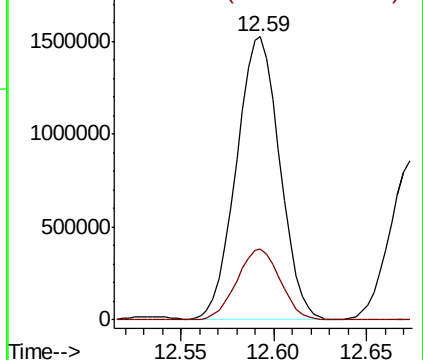
91 100

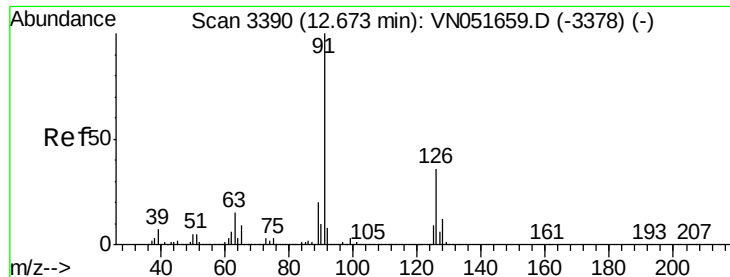
120 25.1 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

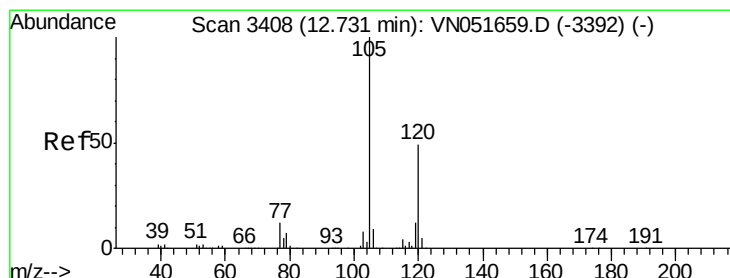
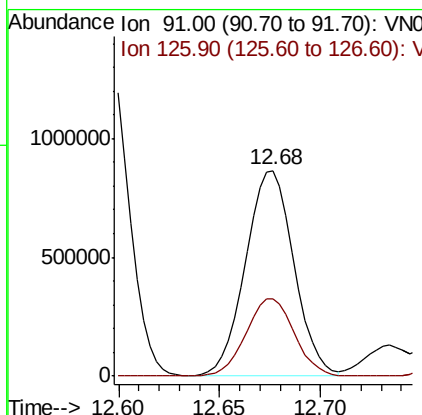
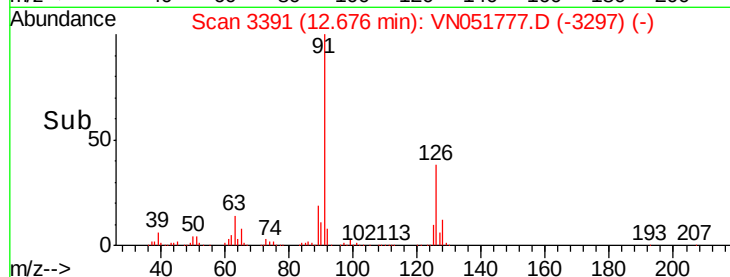
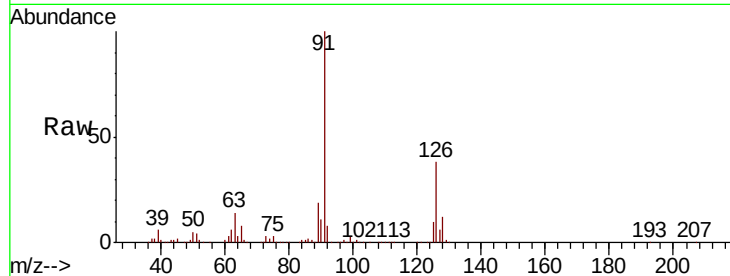




#79
2-Chlorotoluene
Concen: 47.513 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

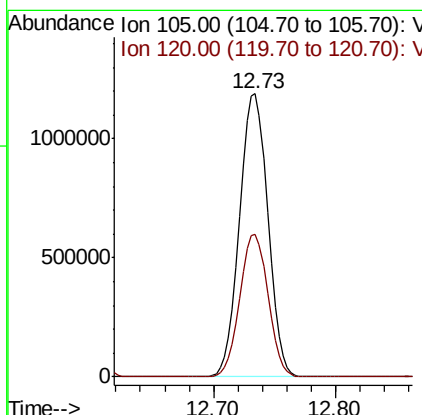
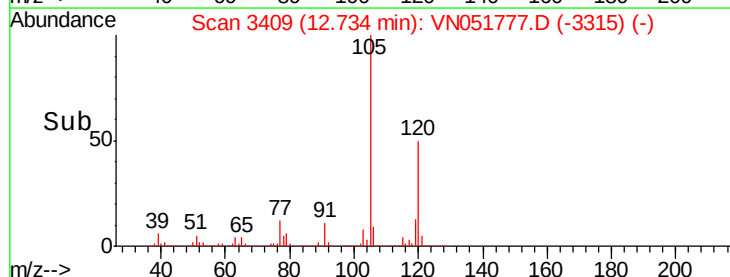
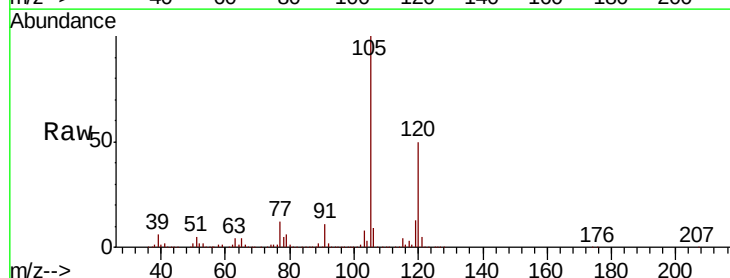
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

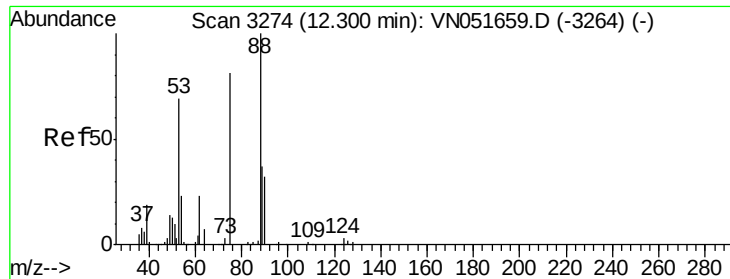
Tot Ion: 91 Resp: 1447867
Ion Ratio Lower Upper
91 100
126 37.8 18.5 55.5



#80
1,3,5-Trimethylbenzene
Concen: 47.659 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion:105 Resp: 1903983
Ion Ratio Lower Upper
105 100
120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.192 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

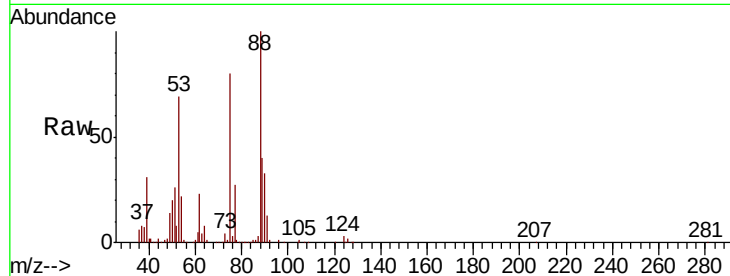
Tot Ion: 75 Resp: 136721

Ion Ratio Lower Upper

75 100

53 88.3 68.6 102.8

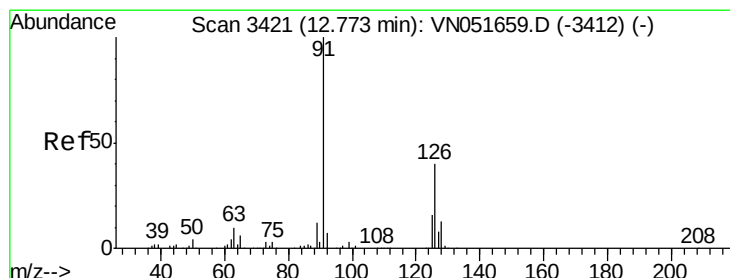
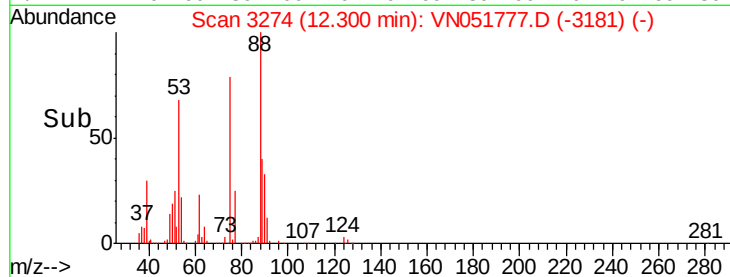
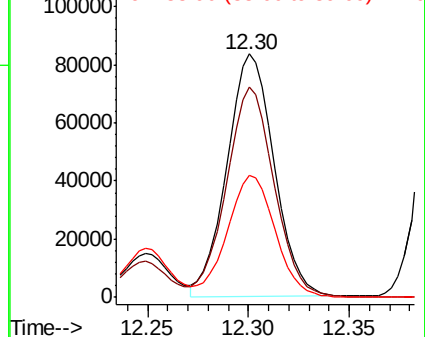
89 51.2 39.4 59.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.948 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051777.D

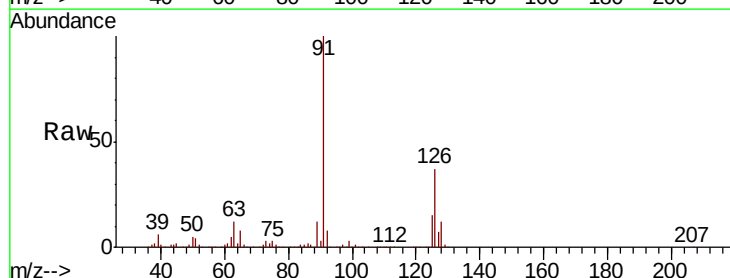
Acq: 10 Oct 2018 9:27

Tgt Ion: 91 Resp: 1467827

Ion Ratio Lower Upper

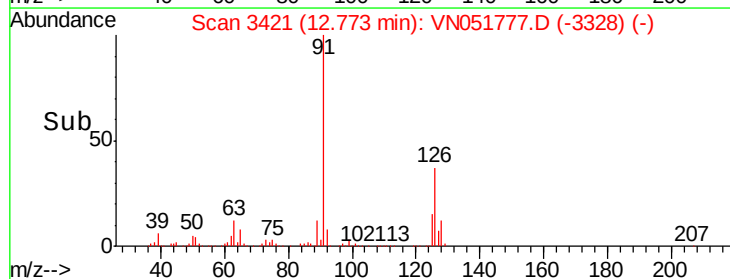
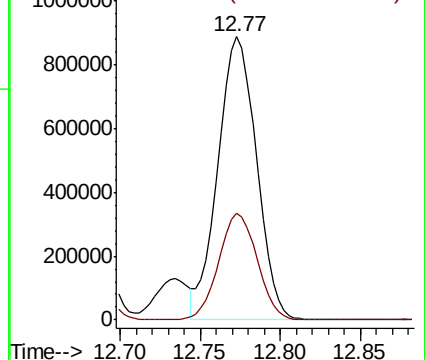
91 100

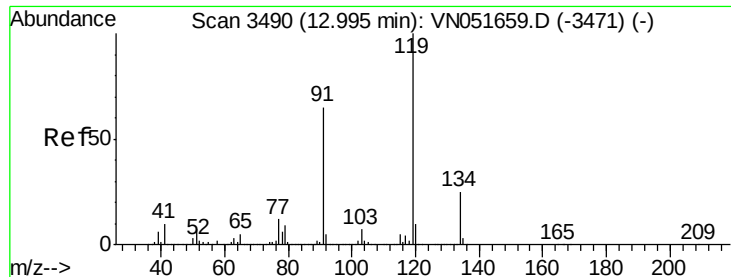
126 37.3 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

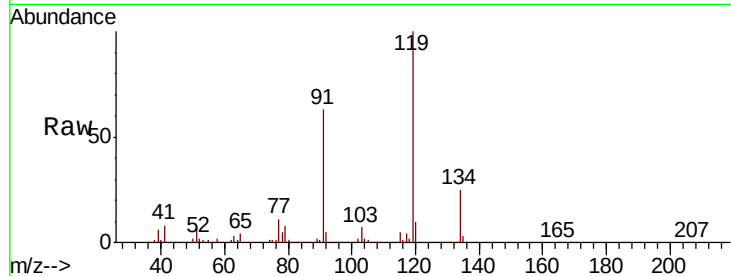




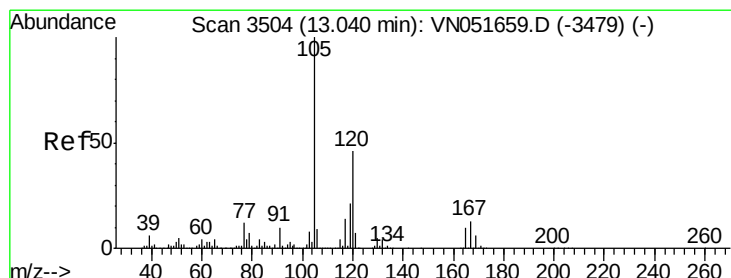
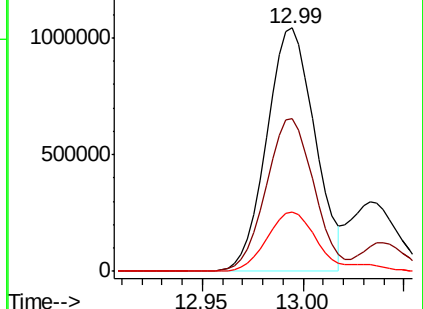
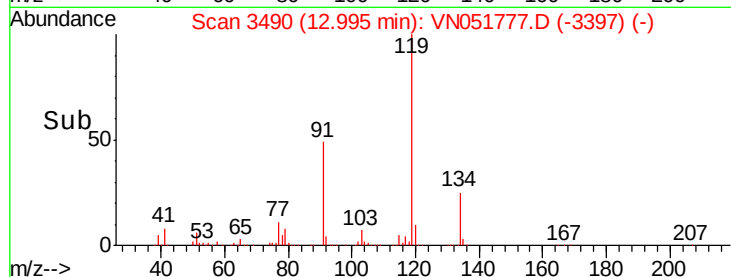
#83
 tert-Butylbenzene
 Concen: 48.102 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1721936
 Ion Ratio Lower Upper
 119 100
 91 62.9 32.1 96.5
 134 26.9 13.3 39.9

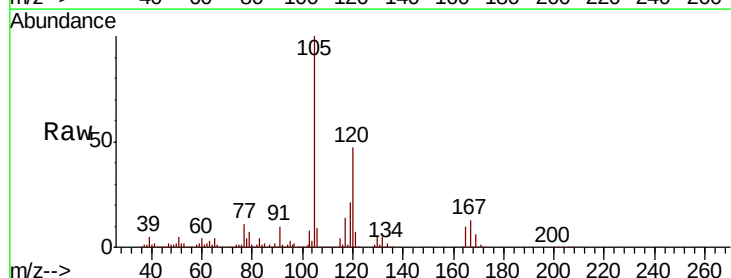


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

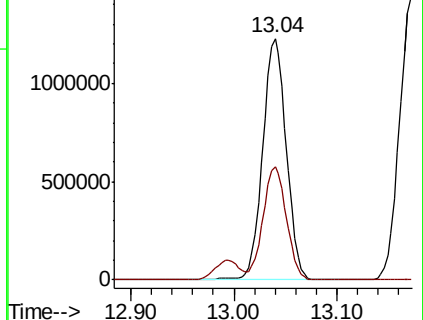
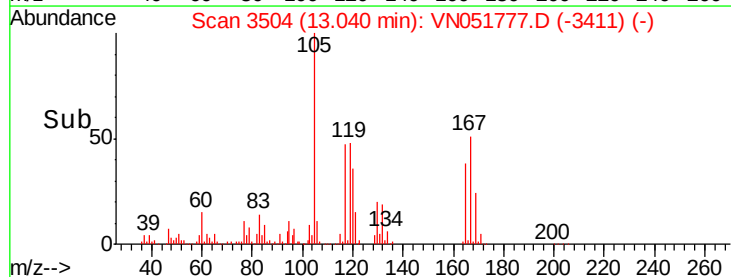


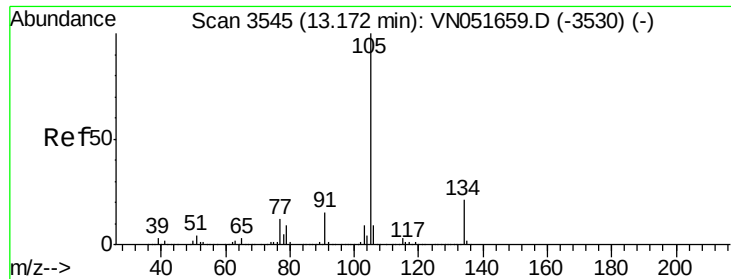
#84
 1,2,4-Trimethylbenzene
 Concen: 48.480 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion:105 Resp: 1939994
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.7



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





#85

sec-Butylbenzene

Concen: 48.423 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

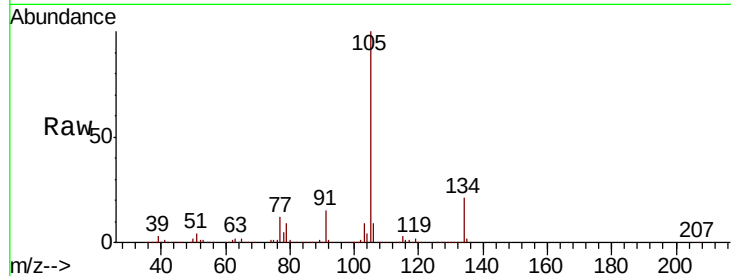
VSTDCCC050

Tot Ion:105 Resp: 2292949

Ion Ratio Lower Upper

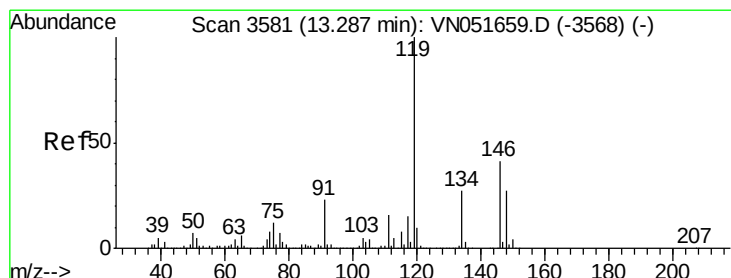
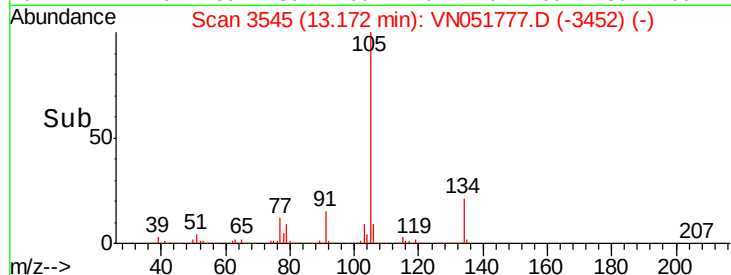
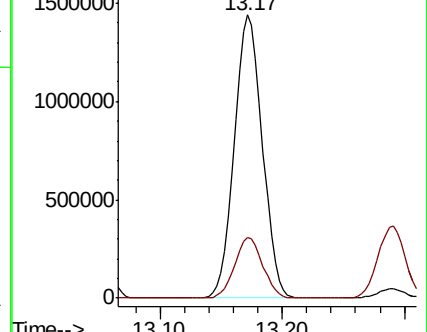
105 100

134 21.4 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.586 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

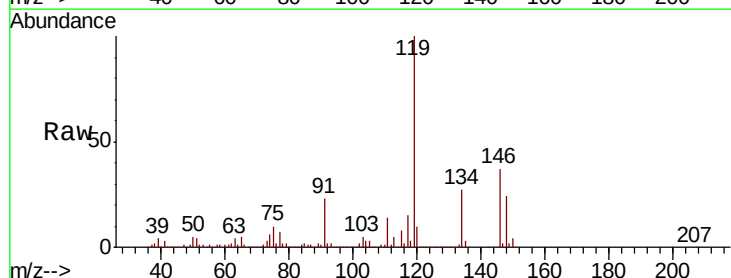
Tgt Ion:119 Resp: 2081532

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

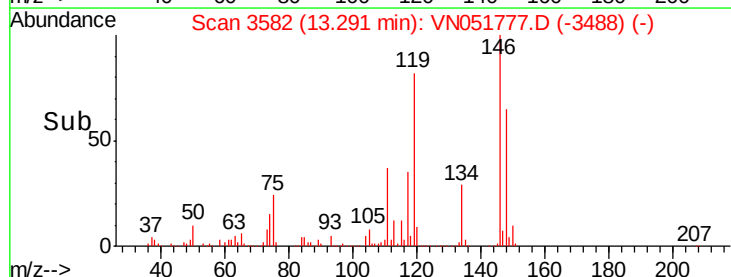
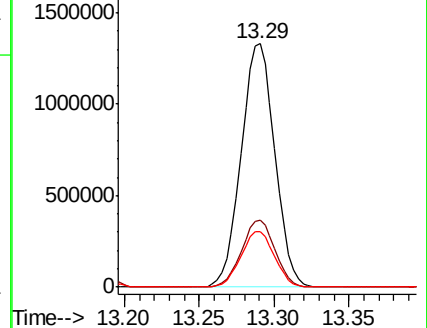
91 22.7 11.7 35.1

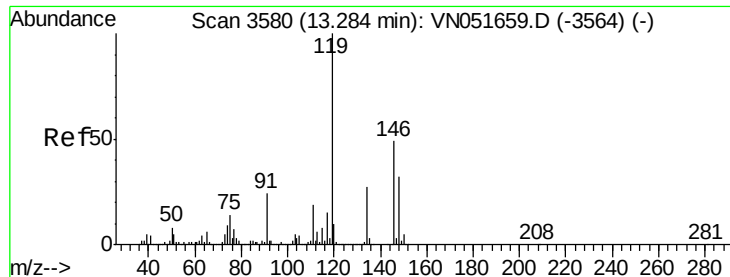


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.520 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

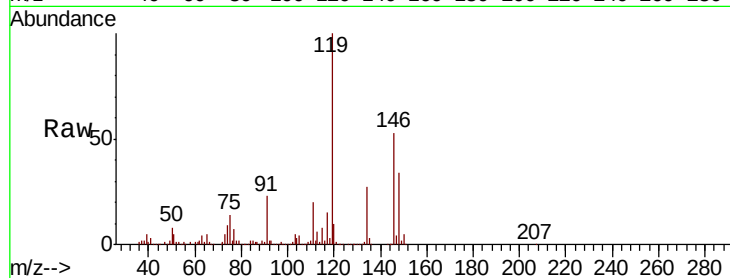
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1040591

Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	64.0	32.5	97.5

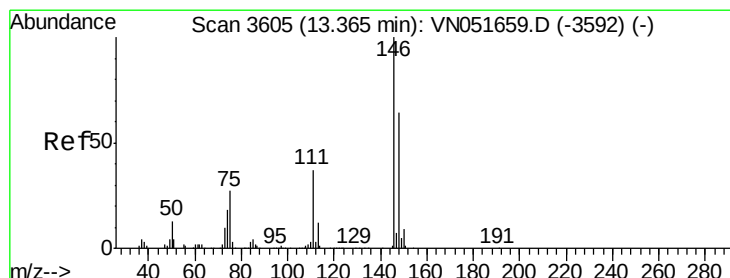
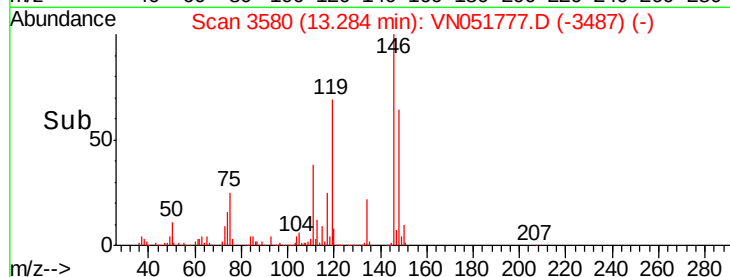
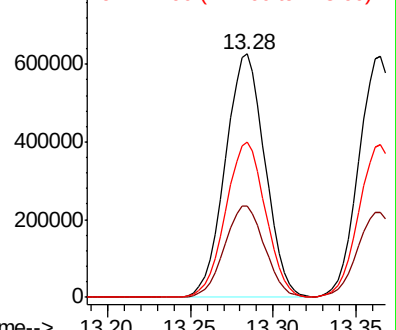


Abundance

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: 51.257 ug/l

RT: 13.36 min Scan# 3605

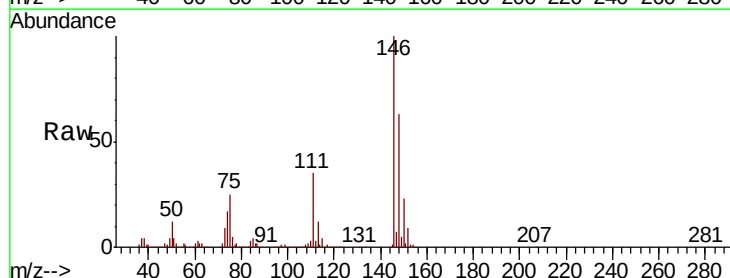
Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Tgt Ion:146 Resp: 1019025

Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.6	55.8
148	64.1	32.3	96.8

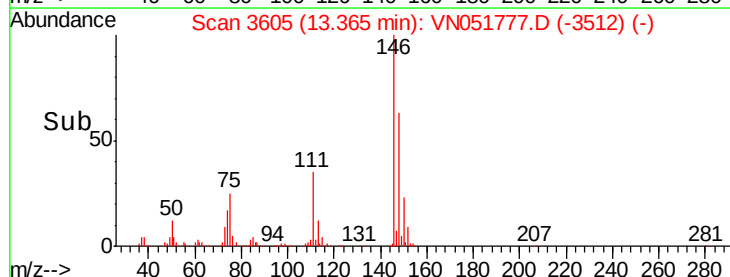
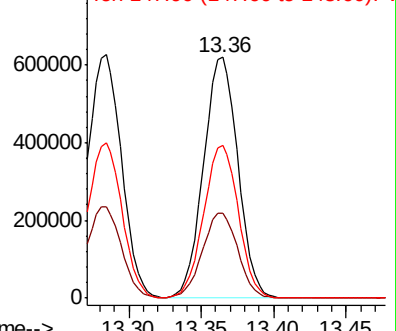


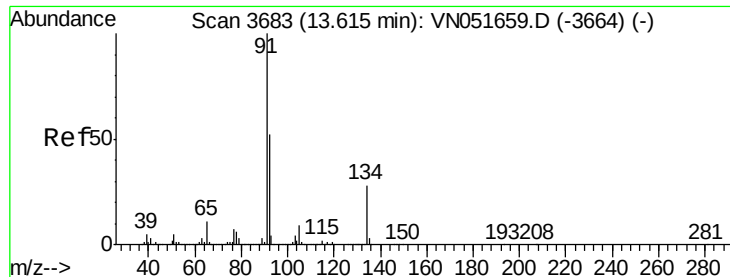
Abundance

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: 49.785 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051777.D

Acq: 10 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

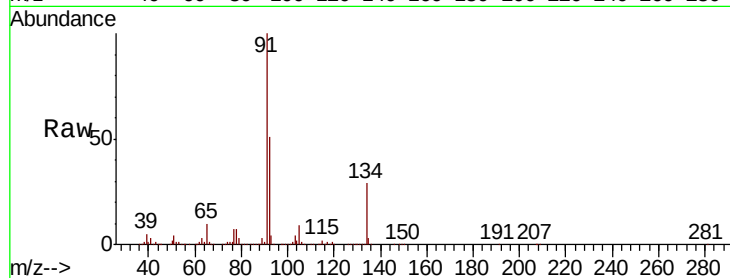
Tot Ion: 91 Resp: 1652401

Ion Ratio Lower Upper

91 100

92 51.9 26.0 78.0

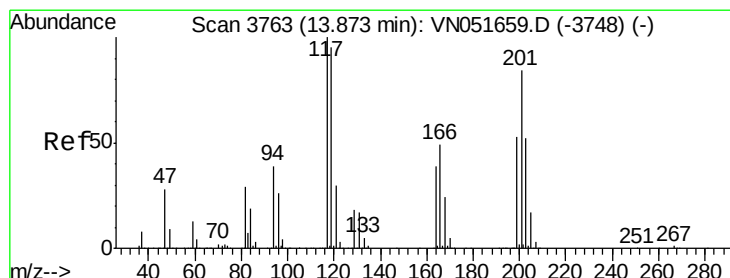
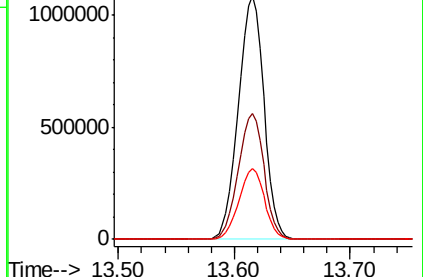
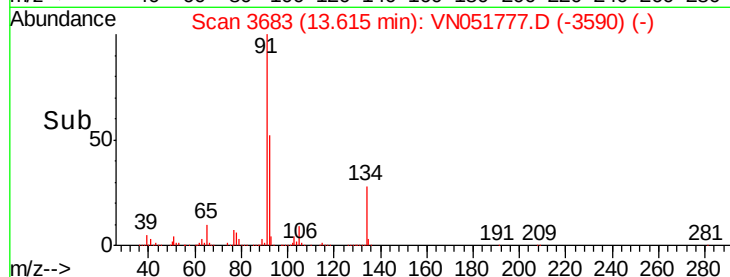
134 29.1 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3664) (-)

Ion 92.00 (91.70 to 92.70): VN051659.D (-3664) (-)

Ion 134.00 (133.70 to 134.70): VN051659.D (-3664) (-)



#90

Hexachloroethane

Concen: 45.453 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051777.D

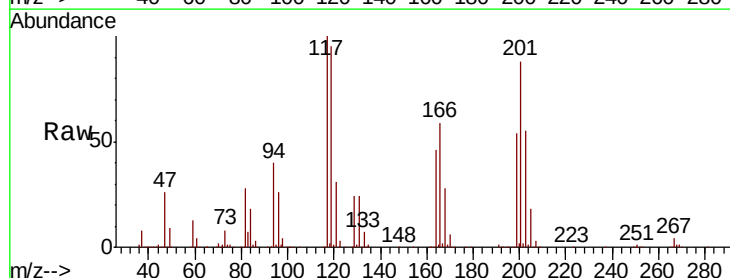
Acq: 10 Oct 2018 9:27

Tgt Ion: 117 Resp: 380686

Ion Ratio Lower Upper

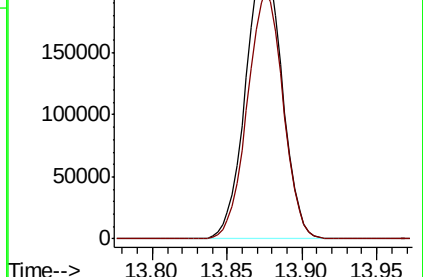
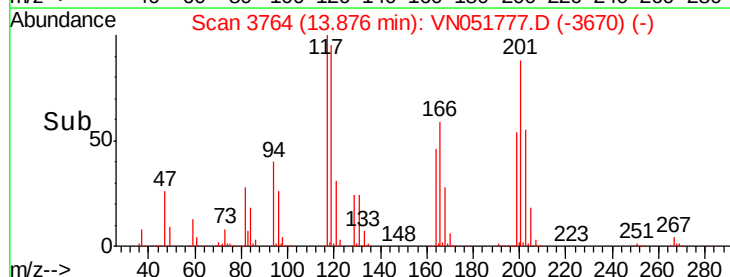
117 100

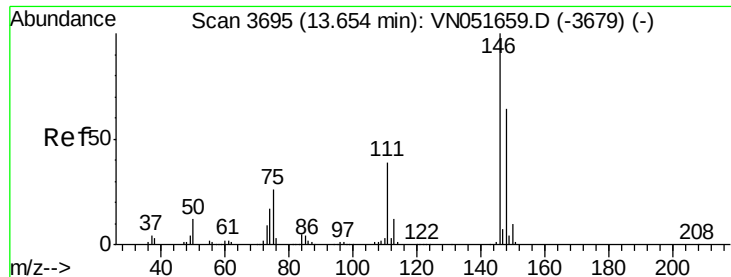
201 86.6 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VN051659.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051659.D (-3748) (-)

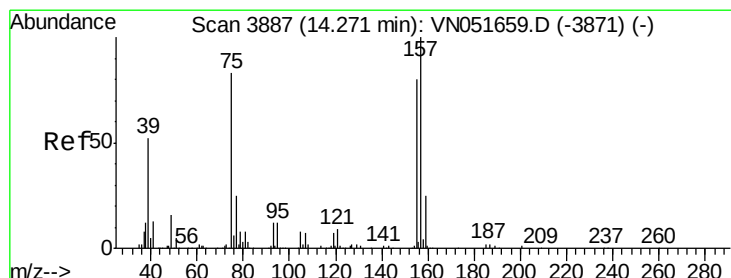
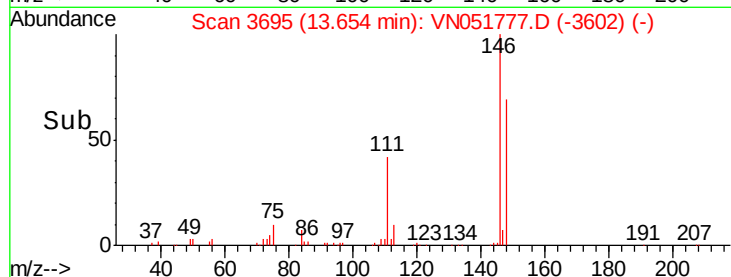
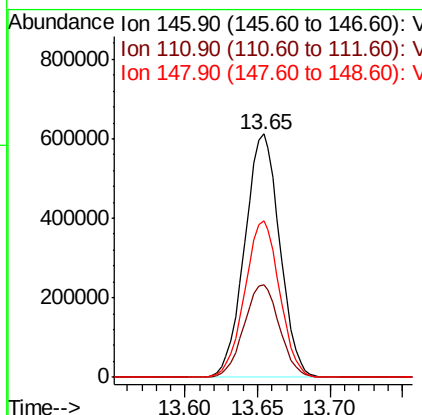
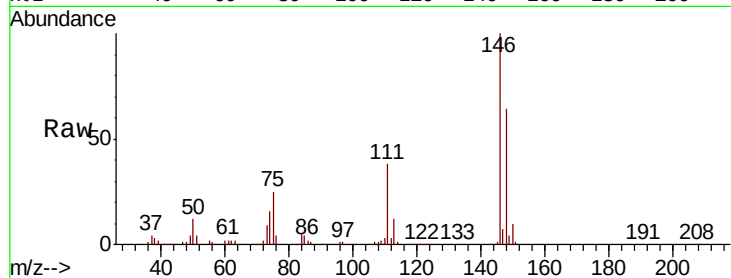




#91
 1,2-Dichlorobenzene
 Concen: 51.106 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

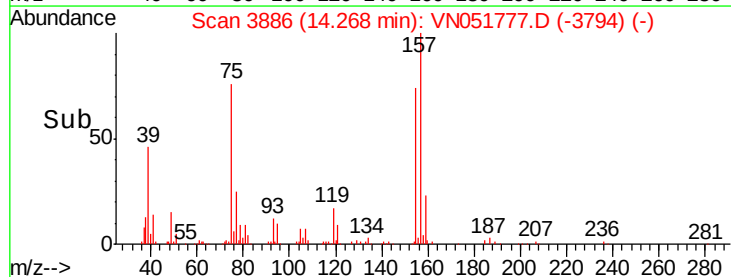
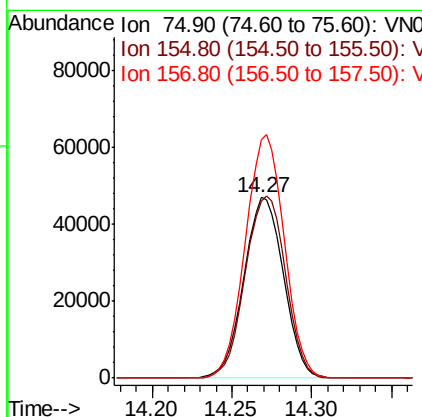
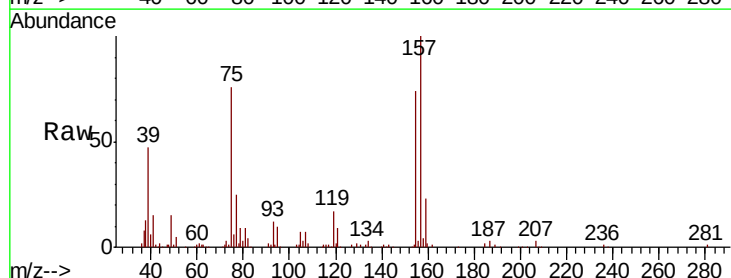
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

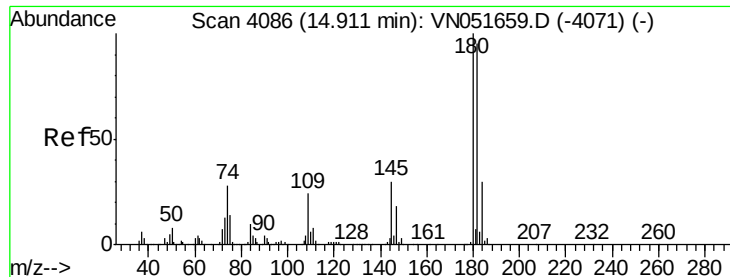
Tot Ion:146 Resp: 1026150
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.7 59.0
 148 64.1 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.874 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion: 75 Resp: 79725
 Ion Ratio Lower Upper
 75 100
 155 102.2 47.6 142.9
 157 132.0 61.7 185.1

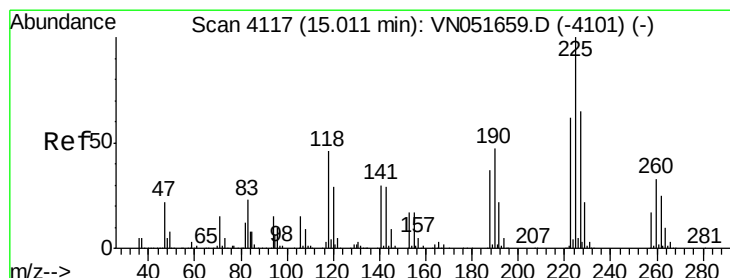
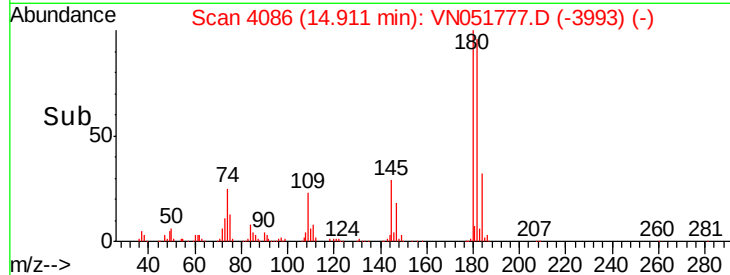
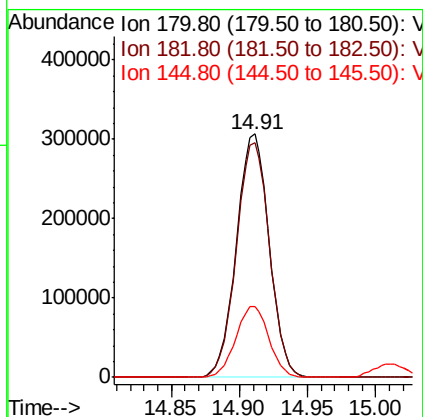
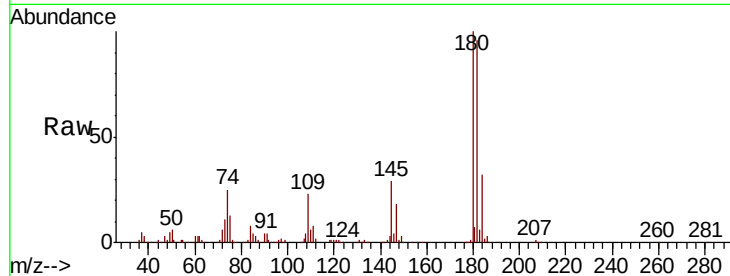




#93
 1,2,4-Trichlorobenzene
 Concen: 57.196 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

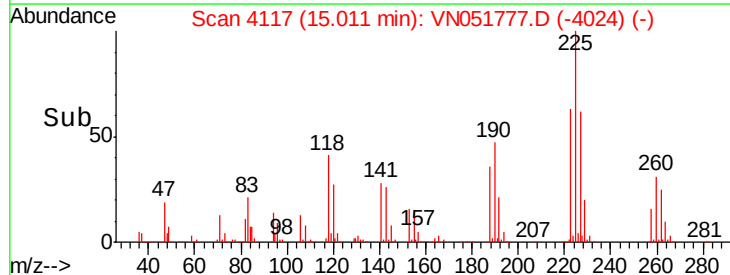
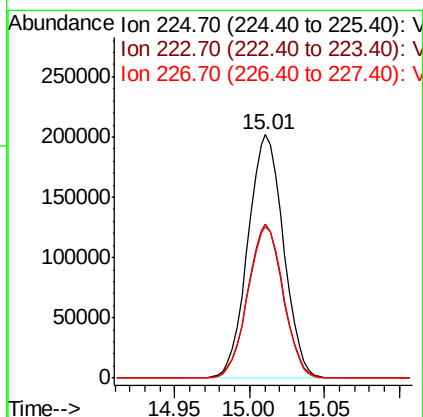
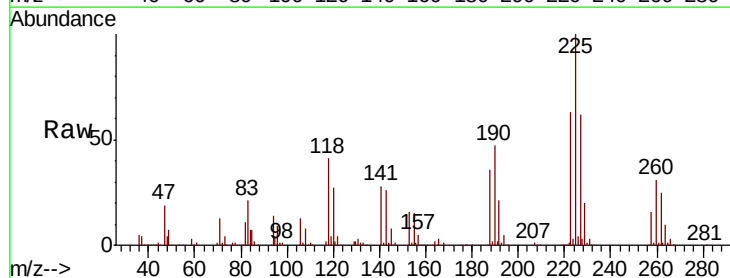
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

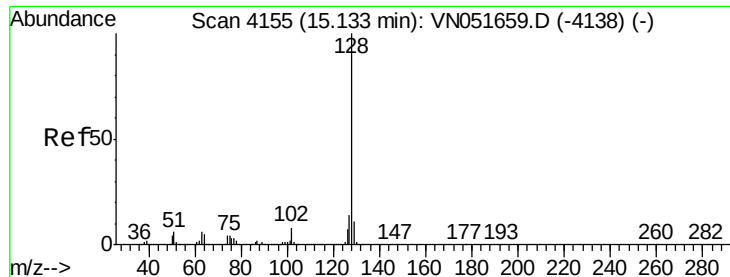
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.7	143.1
145	29.5	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 55.044 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051777.D
 Acq: 10 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.5
227	62.5	31.7	95.1

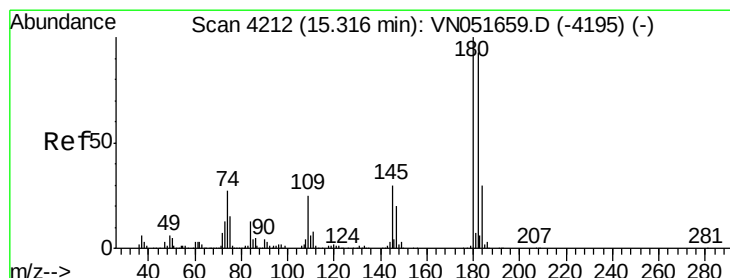
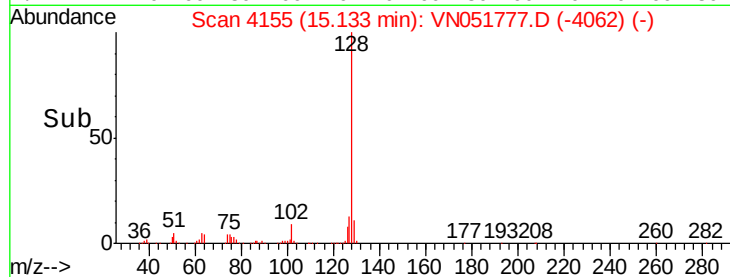
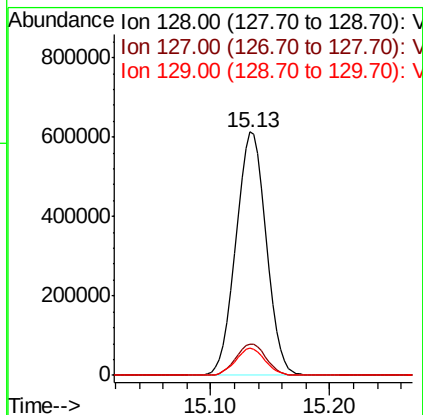
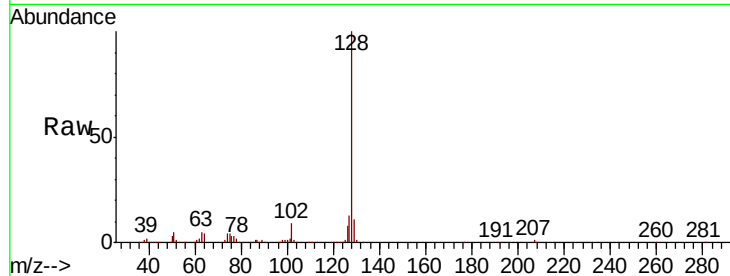




#95
Naphthalene
Concen: 55.954 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1079580
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.9 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 56.851 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN051777.D
Acq: 10 Oct 2018 9:27

Tgt Ion:180 Resp: 500256
Ion Ratio Lower Upper
180 100
182 96.0 47.3 141.8
145 31.5 15.6 46.8

