

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111918\
 Data File : VN052376.D
 Acq On : 19 Nov 2018 10:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 20 07:08:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	241785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	391886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	359155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172744	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	168832	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	132805	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	10.09	98	505687	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	177259	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	129773	50.651	ug/l	98
3) Chloromethane	2.06	50	168353	47.283	ug/l	97
4) Vinyl Chloride	2.19	62	149694	48.637	ug/l	98
5) Bromomethane	2.55	94	81716	42.588	ug/l	97
6) Chloroethane	2.70	64	89773	51.588	ug/l	99
7) Trichlorofluoromethane	3.02	101	217021	50.956	ug/l	97
8) Diethyl Ether	3.42	74	76995	47.434	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	133988	49.817	ug/l	99
10) Methyl Iodide	3.96	142	135079	37.405	ug/l	96
11) Tert butyl alcohol	4.78	59	35699	197.949	ug/l	98
12) 1,1-Dichloroethene	3.74	96	116684	46.881	ug/l	97
13) Acrolein	3.61	56	44734	171.904	ug/l	98
14) Allyl chloride	4.33	41	254609	49.819	ug/l	96
15) Acrylonitrile	4.99	53	235572	228.757	ug/l	99
16) Acetone	3.82	43	231354	246.059	ug/l	95
17) Carbon Disulfide	4.06	76	367080	51.433	ug/l	98
18) Methyl Acetate	4.33	43	115518	43.897	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	346963	48.508	ug/l	98
20) Methylene Chloride	4.56	84	139624	48.795	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	125839	46.959	ug/l	97
22) Diisopropyl ether	5.95	45	518826	49.755	ug/l	99
23) Vinyl Acetate	5.90	43	1555161	219.851	ug/l	99
24) 1,1-Dichloroethane	5.85	63	267714	47.879	ug/l	98
25) 2-Butanone	6.83	43	313868	237.158	ug/l	97
26) 2,2-Dichloropropane	6.83	77	198208	48.208	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	148335	47.550	ug/l	96
28) Bromochloromethane	7.19	49	139476	48.513	ug/l	97
29) Tetrahydrofuran	7.21	42	196130	225.589	ug/l	99
30) Chloroform	7.37	83	262238	49.212	ug/l	96
31) Cyclohexane	7.65	56	251833	48.477	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	222380	48.989	ug/l	97
36) 1,1-Dichloropropene	7.79	75	203060	51.697	ug/l	99
37) Ethyl Acetate	6.93	43	124957	43.835	ug/l #	96
38) Carbon Tetrachloride	7.77	117	199771	55.359	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	235457	52.511	ug/l	99
40) Benzene	8.04	78	566418	50.478	ug/l	98
41) Methacrylonitrile	7.17	41	69500	44.349	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	208133	52.016	ug/l	99
43) Isopropyl Acetate	8.16	43	227626	41.381	ug/l	99
44) Trichloroethene	8.83	130	140201	50.723	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159597	50.117	ug/l	100
46) Dibromomethane	9.21	93	90729	49.216	ug/l	97
47) Bromodichloromethane	9.40	83	207300	54.797	ug/l	97
48) Methyl methacrylate	9.20	41	117439	42.075	ug/l	97
49) 1,4-Dioxane	9.20	88	20495	956.525	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	660484	238.535	ug/l	100
52) Toluene	10.15	92	348847	51.969	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	195989	51.368	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	230461	52.987	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	118445	48.674	ug/l	97
56) Ethyl methacrylate	10.43	69	138191	43.181	ug/l	96
57) 1,3-Dichloropropane	10.71	76	215089	49.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	458249	251.511	ug/l	99
59) 2-Hexanone	10.75	43	459619	241.327	ug/l	99
60) Dibromochloromethane	10.90	129	140419	53.334	ug/l	98
61) 1,2-Dibromoethane	11.00	107	115835	47.788	ug/l	96
64) Tetrachloroethene	10.63	164	125529	49.162	ug/l	99
65) Chlorobenzene	11.43	112	381220	50.216	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	134929	52.121	ug/l	100
67) Ethyl Benzene	11.51	91	695208	52.763	ug/l	100
68) m/p-Xylenes	11.62	106	521455	108.315	ug/l	100
69) o-Xylene	11.94	106	250068	54.188	ug/l	98
70) Styrene	11.96	104	409561	55.426	ug/l	99
71) Bromoform	12.12	173	86164	56.372	ug/l #	97
73) Isopropylbenzene	12.25	105	685680	49.370	ug/l	99
74) N-amyl acetate	12.07	43	192974	39.010	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	147349	43.888	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	197376	67.338	ug/l #	100
77) Bromobenzene	12.52	156	153726	47.571	ug/l	99
78) n-propylbenzene	12.59	91	829287	51.055	ug/l	100
79) 2-Chlorotoluene	12.67	91	470782	49.614	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	577523	52.290	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40532	44.850	ug/l	94
82) 4-Chlorotoluene	12.77	91	492958	50.708	ug/l	98
83) tert-Butylbenzene	12.99	119	504106	51.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	586082	52.859	ug/l	100
85) sec-Butylbenzene	13.17	105	703667	52.976	ug/l	99
86) p-Isopropyltoluene	13.28	119	606167	53.874	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	291903	50.861	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286339	50.183	ug/l	99
89) n-Butylbenzene	13.61	91	553864	57.314	ug/l	99
90) Hexachloroethane	13.87	117	106936	53.659	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	277177	49.849	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	23513	47.494	ug/l	93

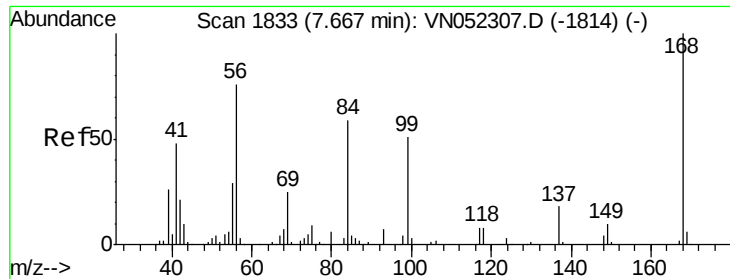
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	124046	48.039	ug/l	100
94) Hexachlorobutadiene	15.01	225	75440	59.277	ug/l	100
95) Naphthalene	15.13	128	260889	43.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	107746	50.996	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

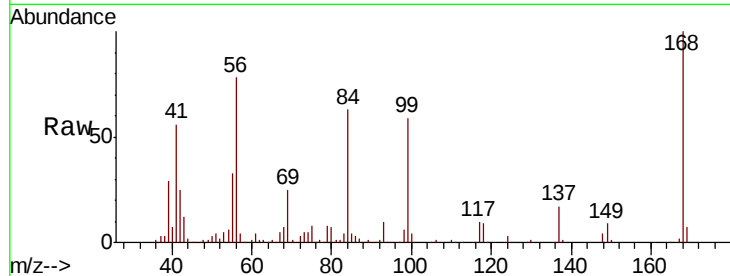
VSTDCCC050

Tot Ion:168 Resp: 241785

Ion Ratio Lower Upper

168 100

99 58.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.66

100000

80000

60000

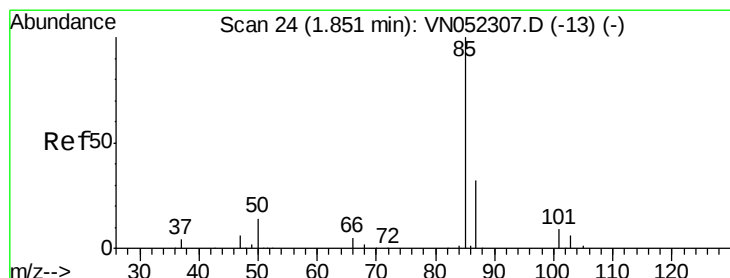
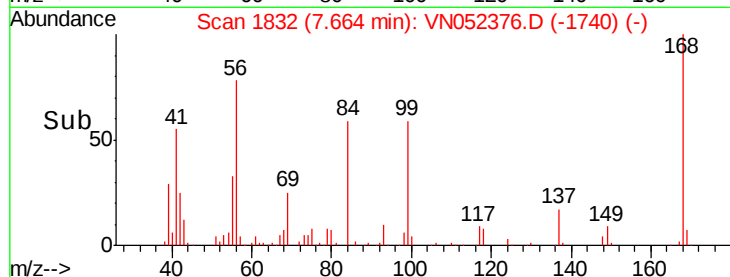
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.651 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052376.D

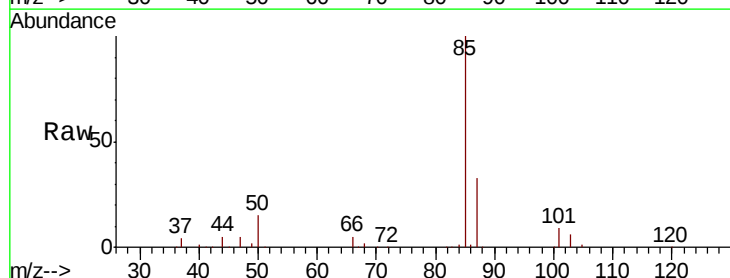
Acq: 19 Nov 2018 10:18

Tgt Ion: 85 Resp: 129773

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN052307.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052307.D (-13) (-)

1.85

100000

80000

60000

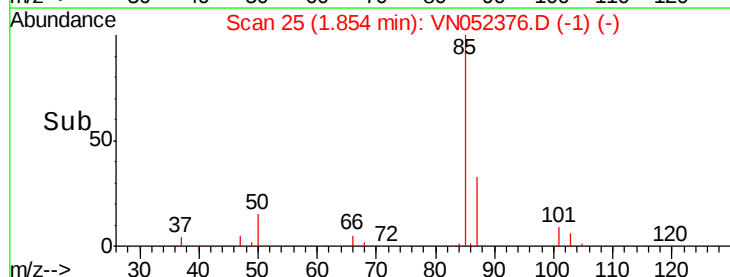
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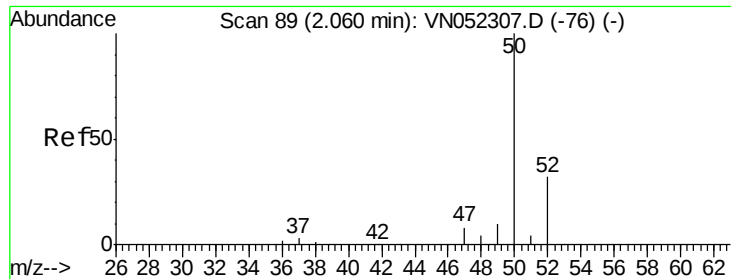
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0

1.80 1.85 1.90 1.95

Time-->

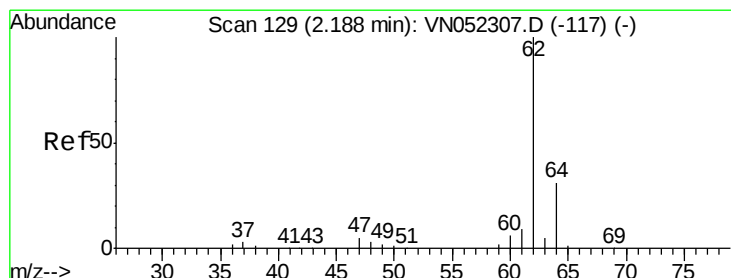
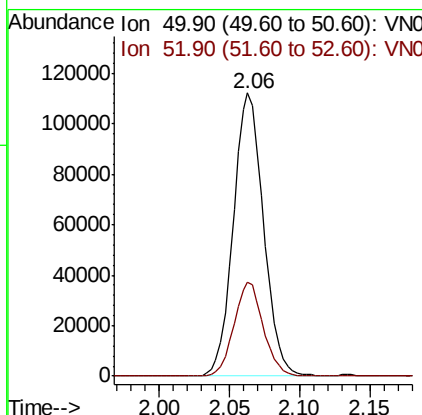
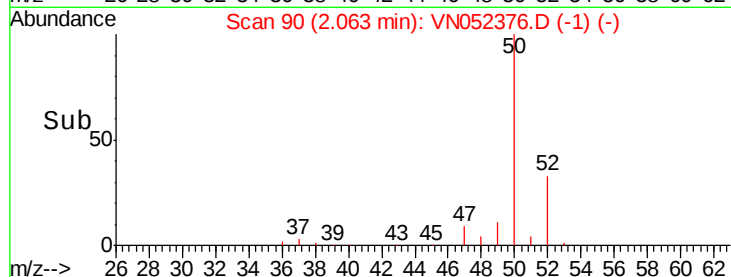
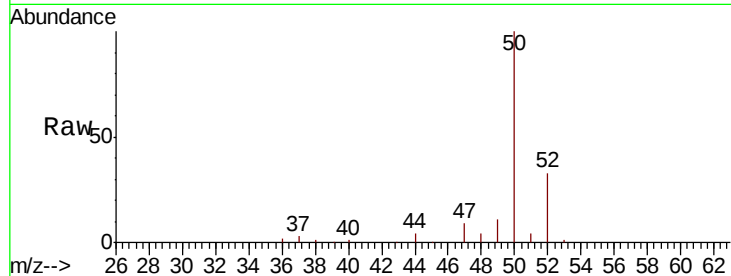




#3
 Chloromethane
 Concen: 47.283 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

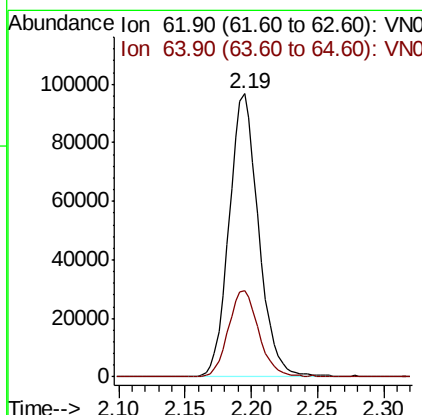
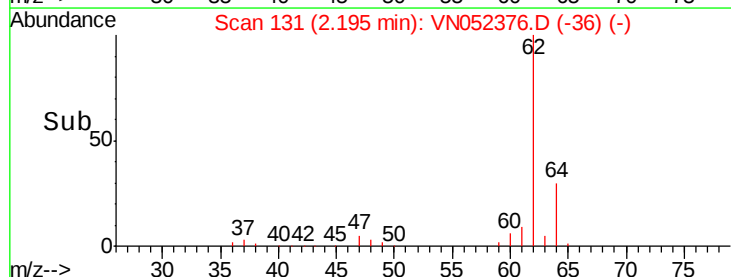
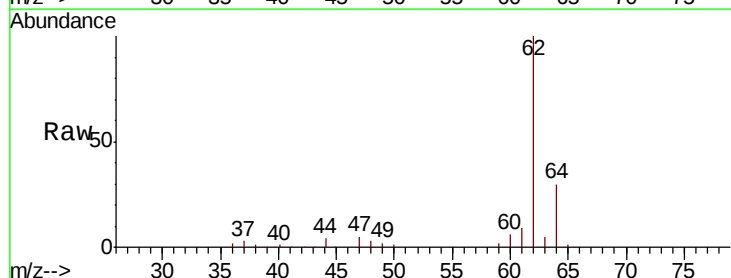
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

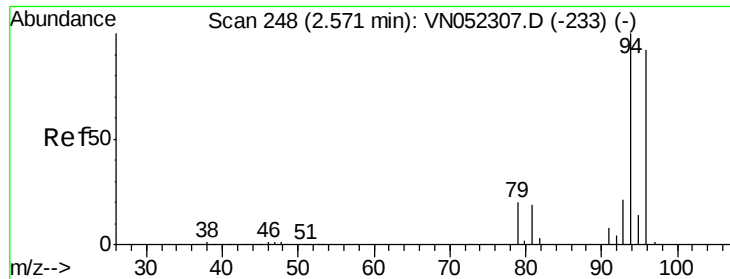
Tot Ion: 50 Resp: 168353
 Ion Ratio Lower Upper
 50 100
 52 33.4 25.5 38.3



#4
 Vinyl Chloride
 Concen: 48.637 ug/l
 RT: 2.19 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 62 Resp: 149694
 Ion Ratio Lower Upper
 62 100
 64 30.5 25.2 37.8

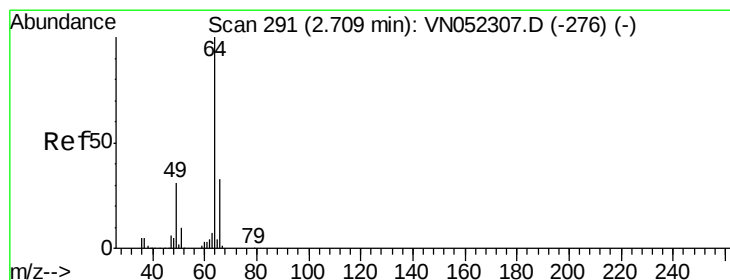
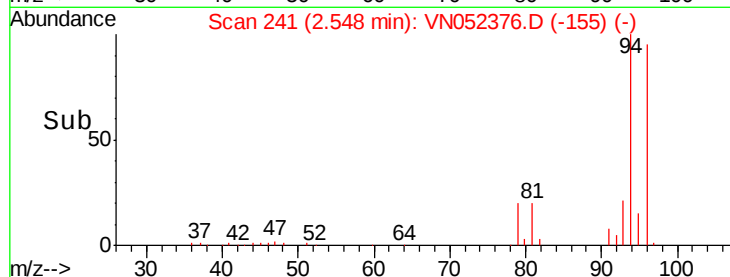
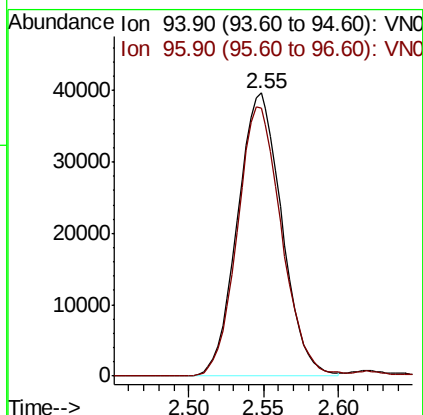
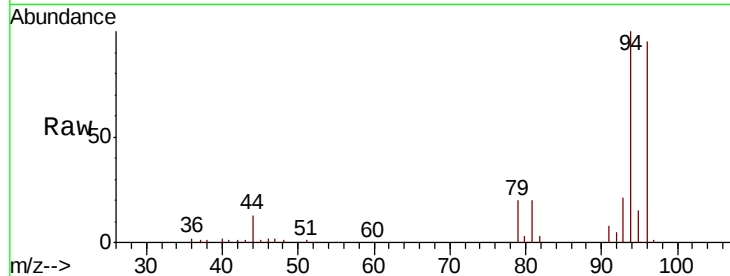




#5
Bromomethane
Concen: 42.588 ug/l
RT: 2.55 min Scan# 241
Delta R.T. -0.02 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

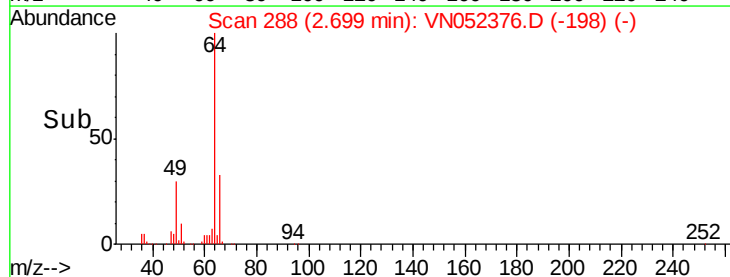
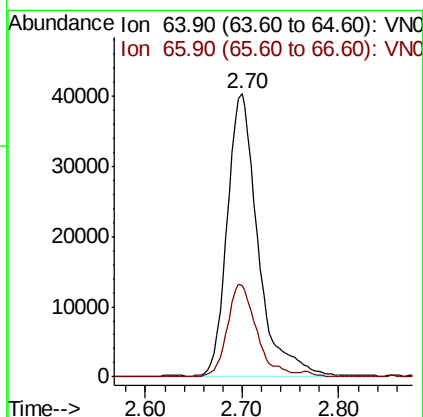
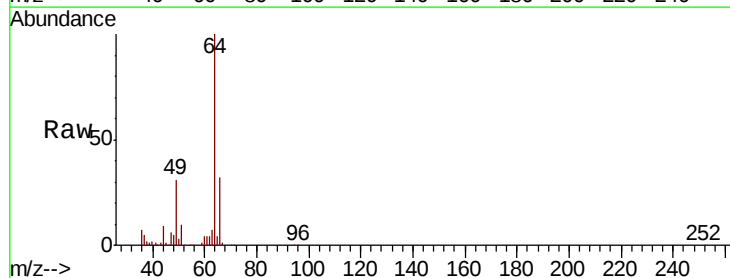
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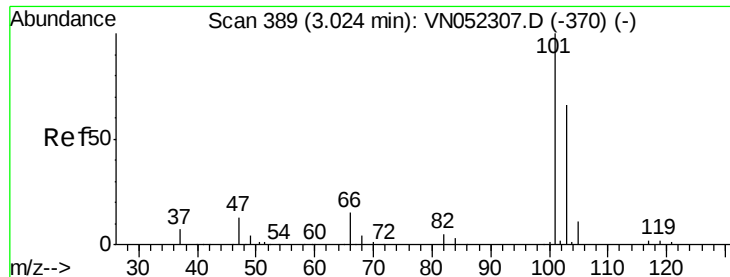
Tot Ion: 94 Resp: 81716
Ion Ratio Lower Upper
94 100
96 94.7 73.6 110.4



#6
Chloroethane
Concen: 51.588 ug/l
RT: 2.70 min Scan# 288
Delta R.T. -0.01 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 64 Resp: 89773
Ion Ratio Lower Upper
64 100
66 32.4 26.2 39.2



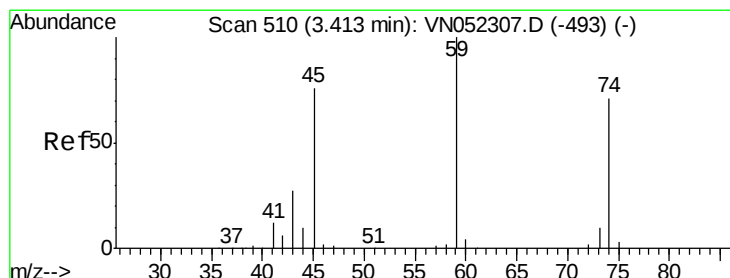
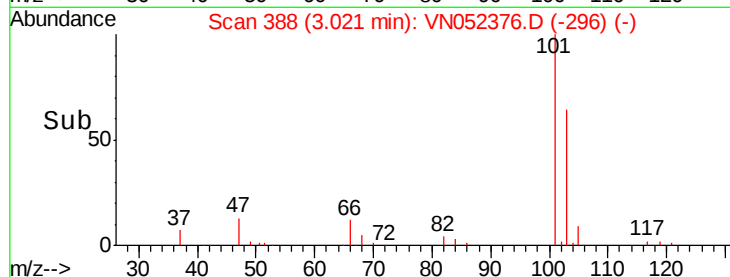
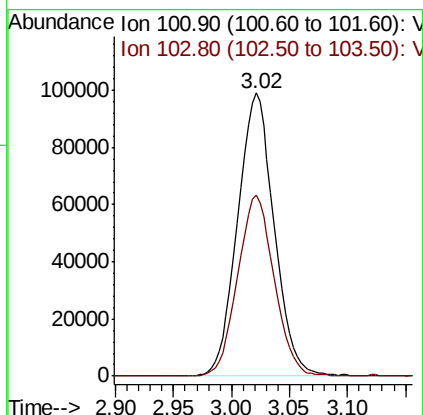
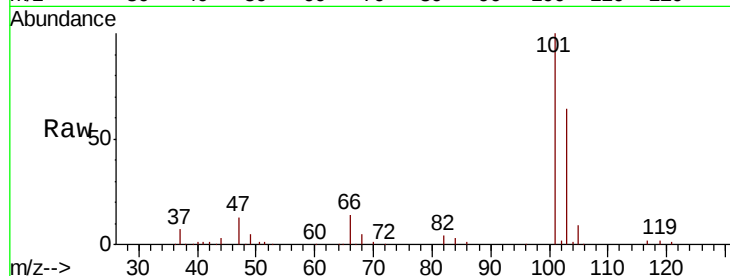


#7

Trichlorofluoromethane
 Concen: 50.956 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
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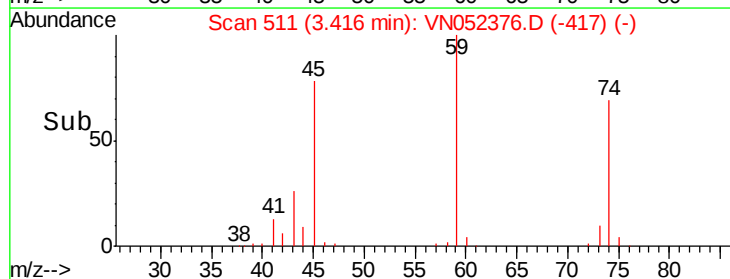
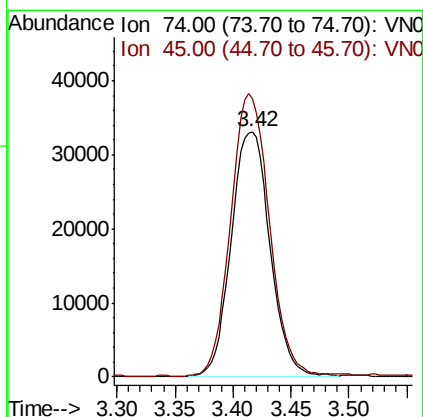
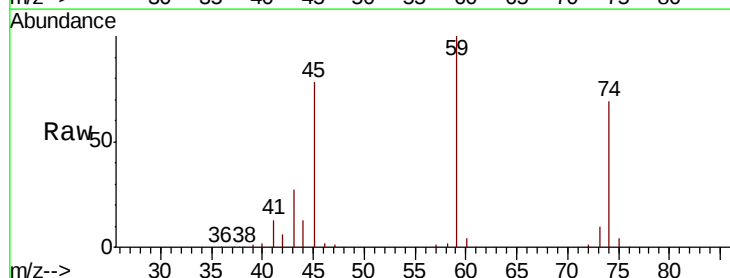
Tot Ion:101 Resp: 217021
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.8 79.2

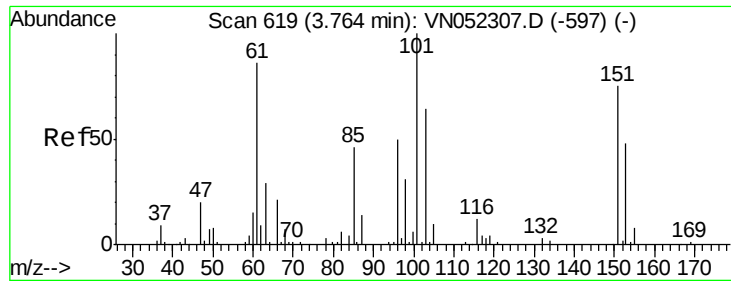


#8

Diethyl Ether
 Concen: 47.434 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 74 Resp: 76995
 Ion Ratio Lower Upper
 74 100
 45 115.6 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.817 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

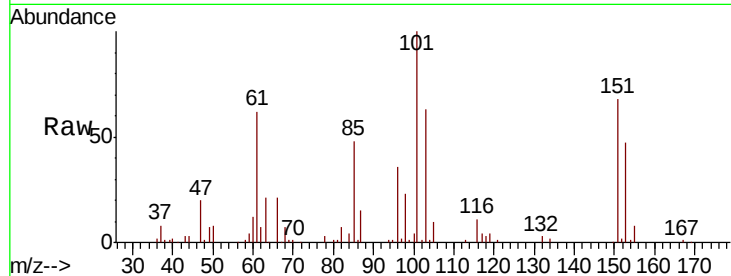
Tot Ion:101 Resp: 133988

Ion Ratio Lower Upper

101 100

85 46.1 37.4 56.0

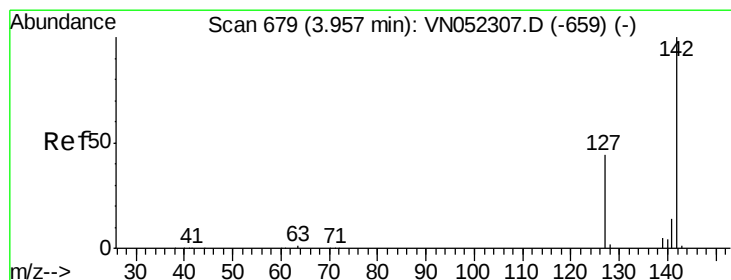
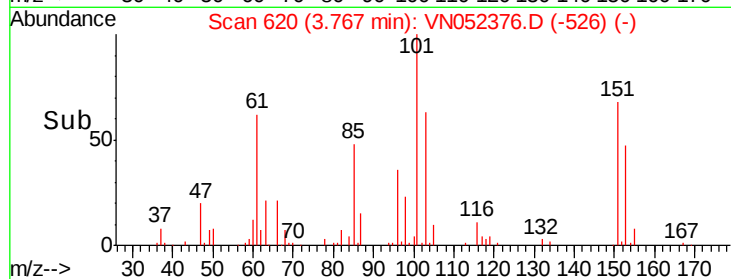
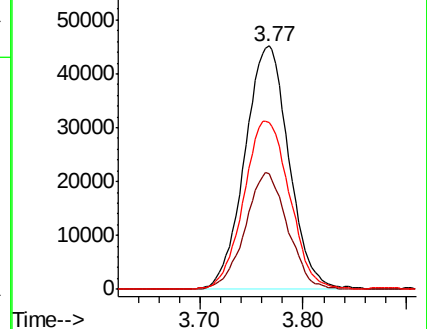
151 72.0 58.6 88.0



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: 37.405 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

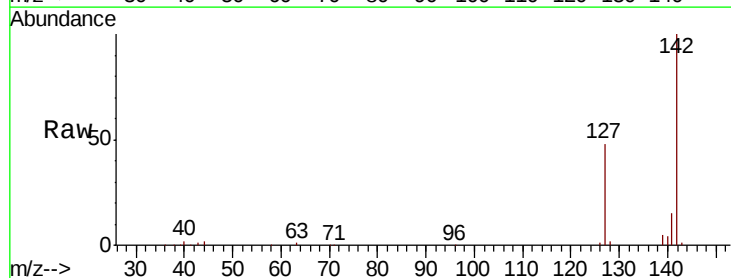
Tgt Ion:142 Resp: 135079

Ion Ratio Lower Upper

142 100

127 48.2 36.3 54.5

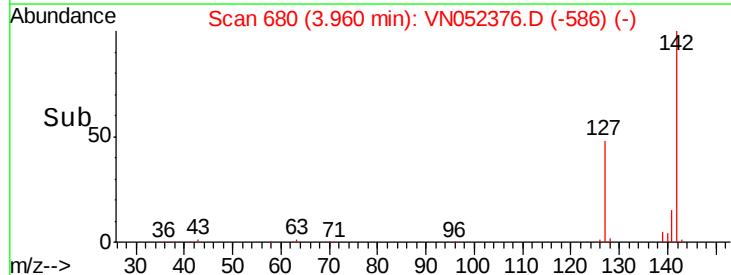
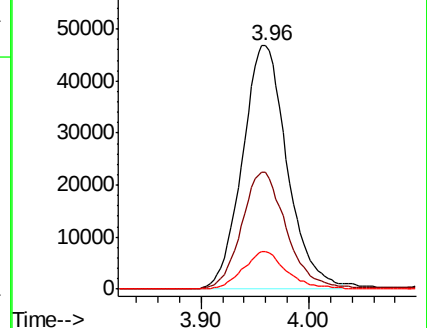
141 15.2 11.4 17.2

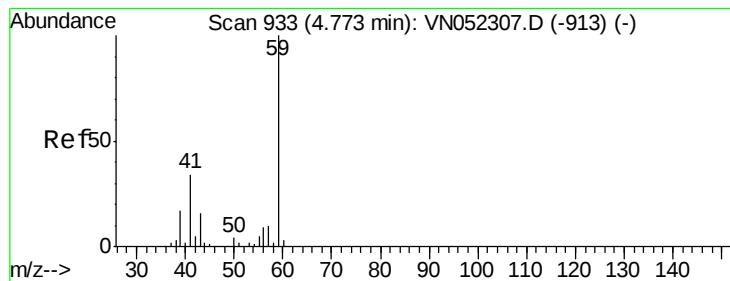


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



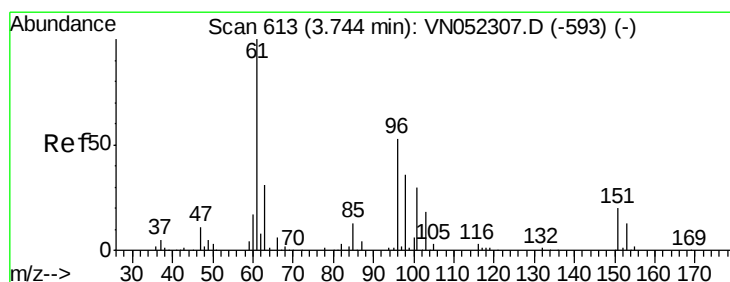
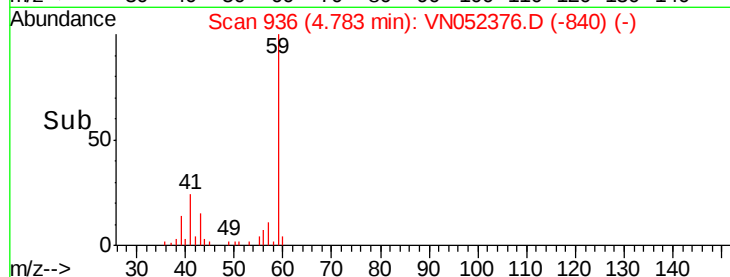
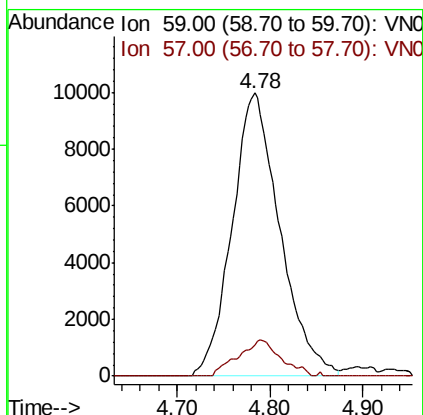
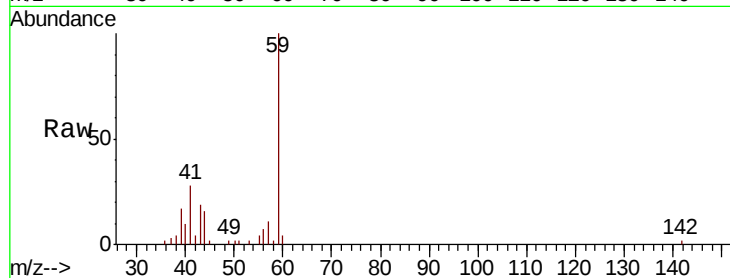


#11

Tert butyl alcohol
 Concen: 197.949 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

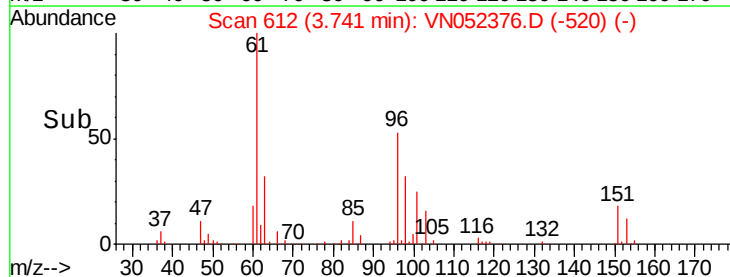
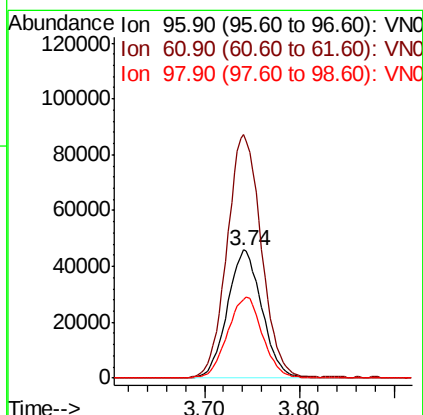
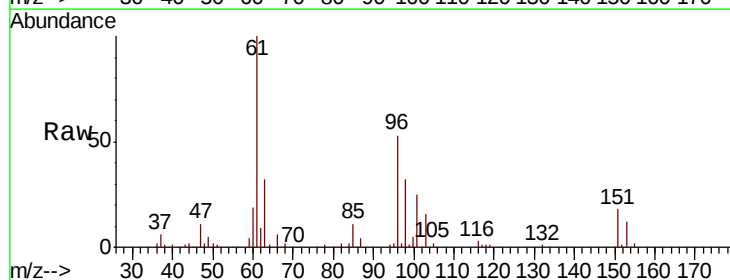
Tot Ion: 59 Resp: 35699
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.5 12.7

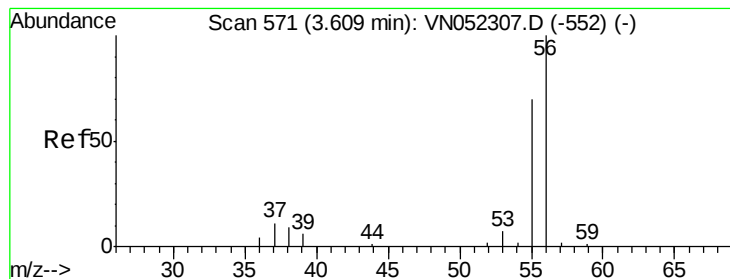


#12

1,1-Dichloroethene
 Concen: 46.881 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 96 Resp: 116684
 Ion Ratio Lower Upper
 96 100
 61 189.3 149.6 224.4
 98 61.2 54.2 81.2





#13

Acrolein

Concen: 171.904 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

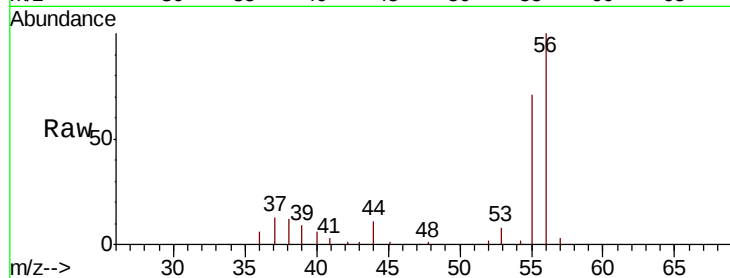
VSTDCCC050

Tot Ion: 56 Resp: 44734

Ion Ratio Lower Upper

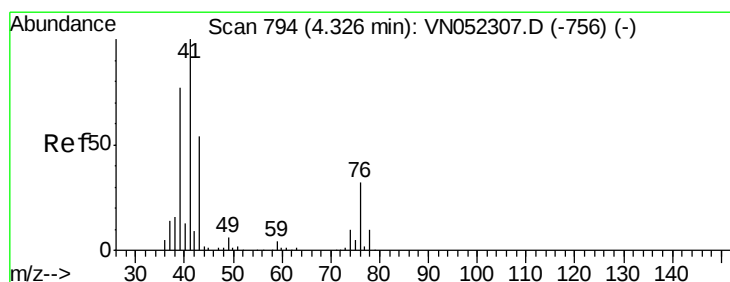
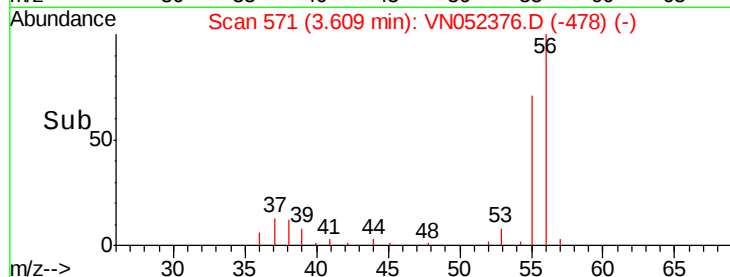
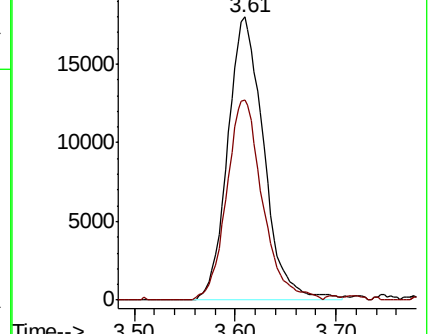
56 100

55 70.4 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 49.819 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

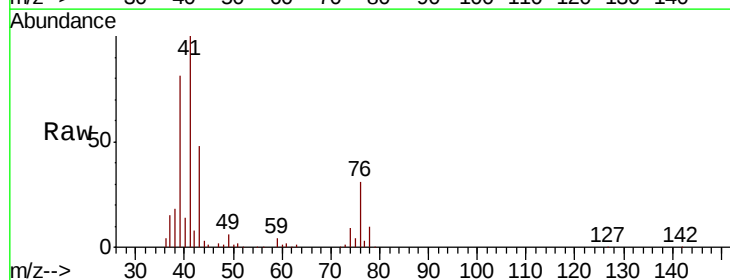
Tgt Ion: 41 Resp: 254609

Ion Ratio Lower Upper

41 100

39 78.2 59.1 88.7

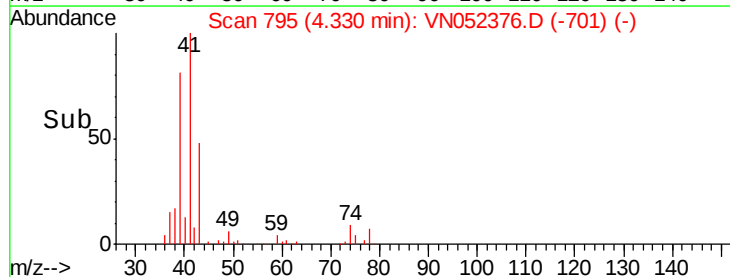
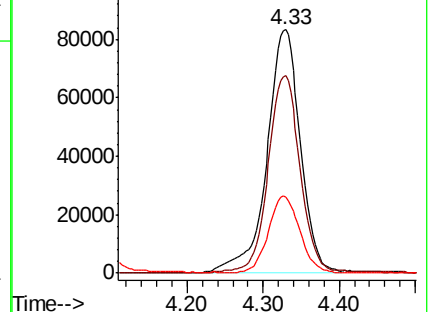
76 29.1 24.1 36.1

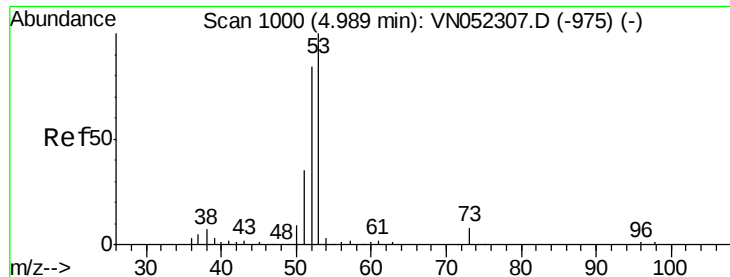


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 228.757 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

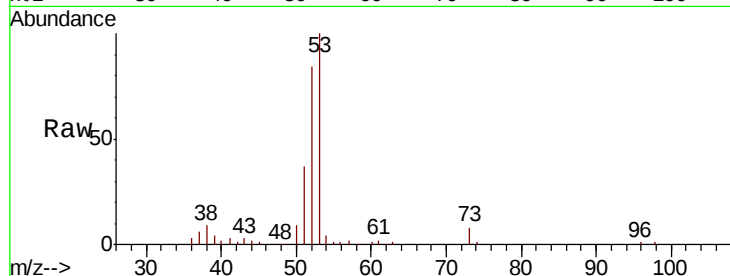
Tot Ion: 53 Resp: 235572

Ion Ratio Lower Upper

53 100

52 84.2 67.5 101.3

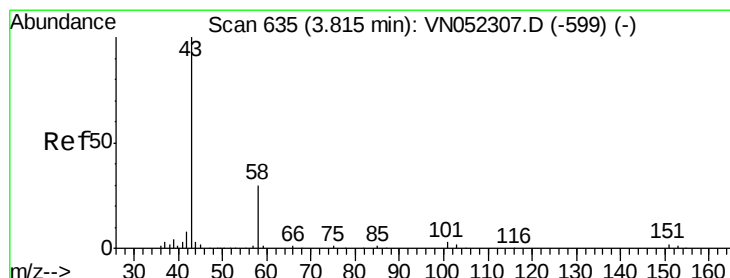
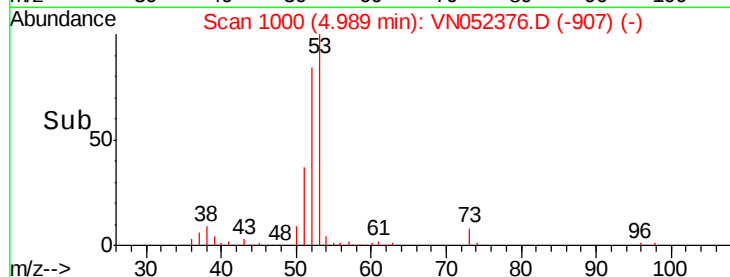
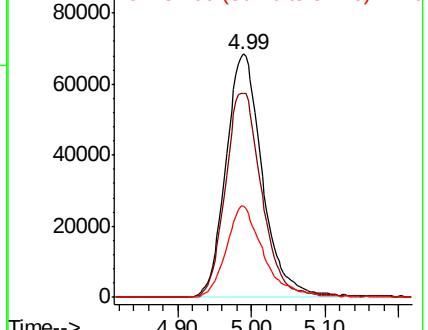
51 38.3 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 246.059 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052376.D

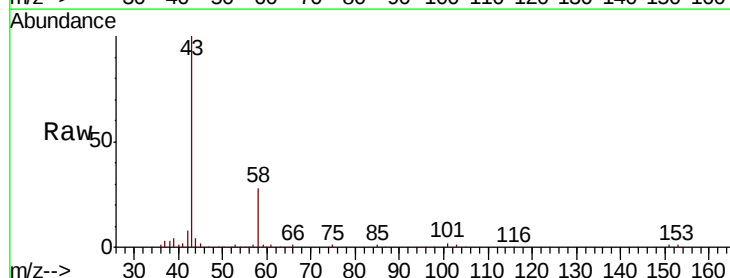
Acq: 19 Nov 2018 10:18

Tgt Ion: 43 Resp: 231354

Ion Ratio Lower Upper

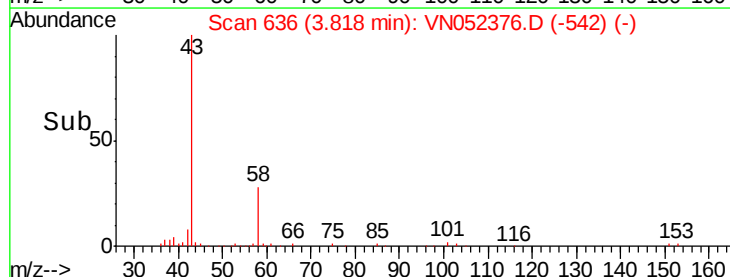
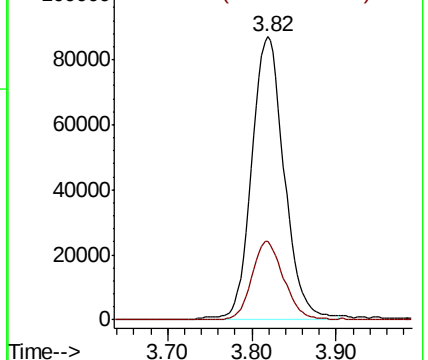
43 100

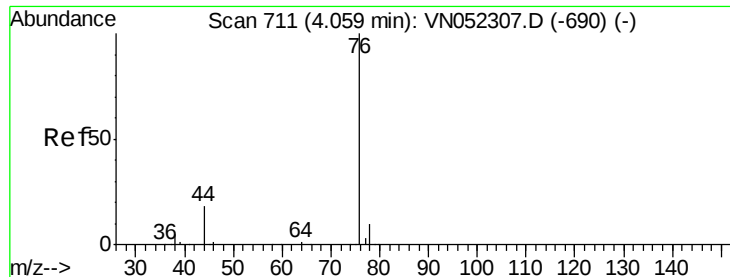
58 27.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

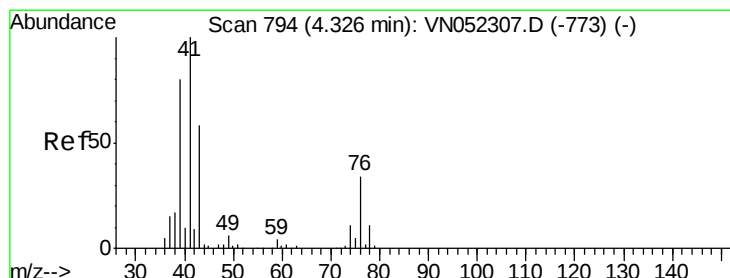
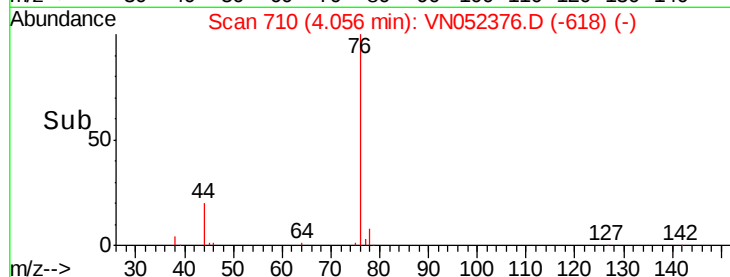
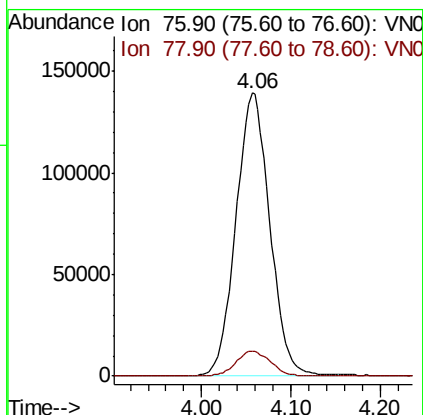
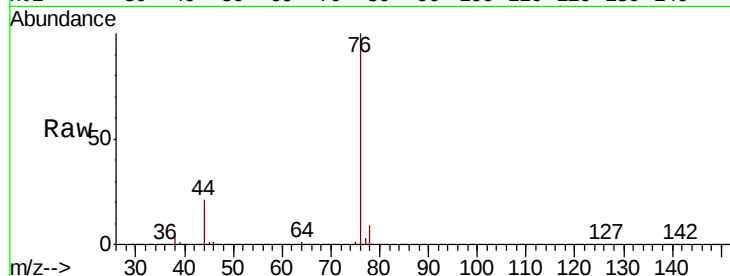




#17
Carbon Disulfide
Concen: 51.433 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

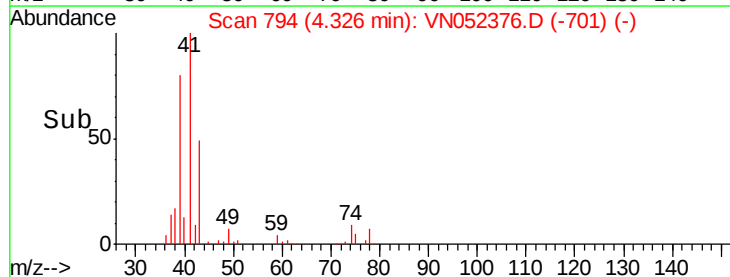
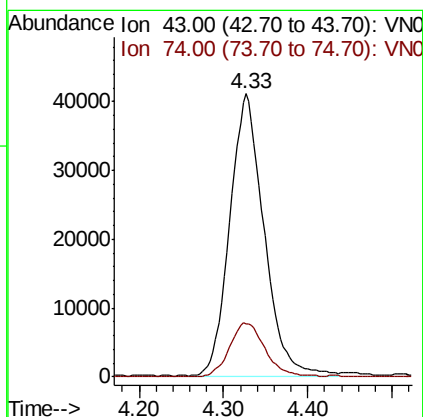
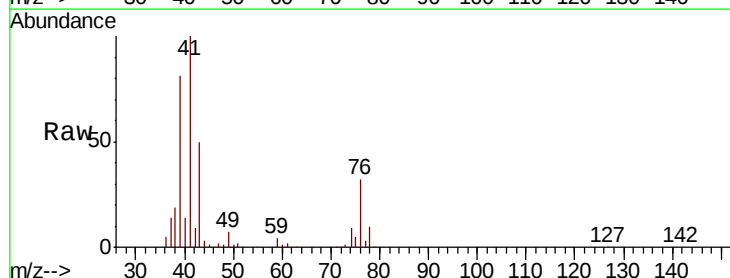
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

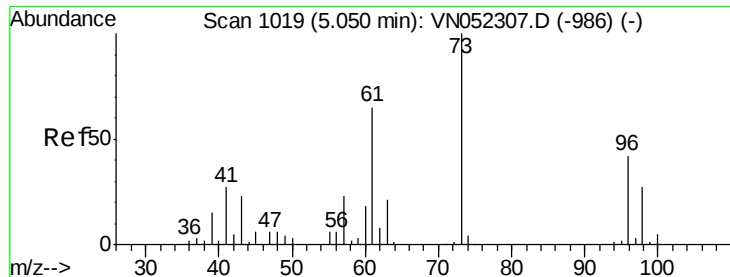
Tot Ion: 76 Resp: 367080
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5



#18
Methyl Acetate
Concen: 43.897 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 43 Resp: 115518
Ion Ratio Lower Upper
43 100
74 19.8 15.9 23.9

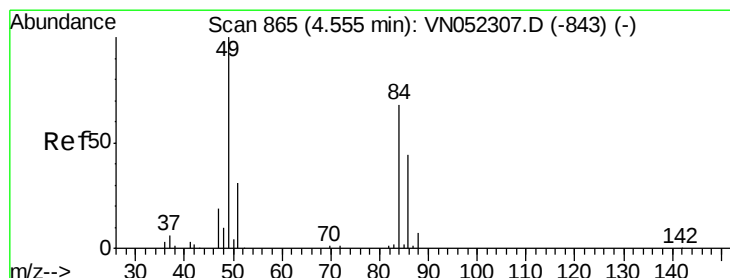
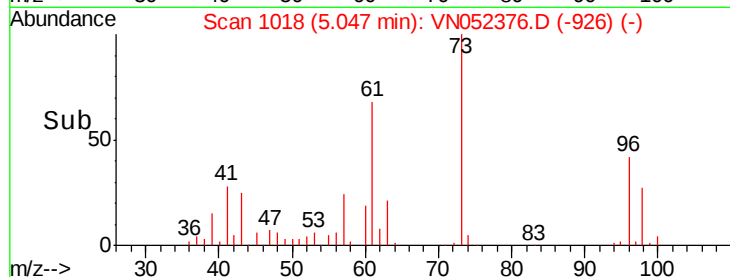
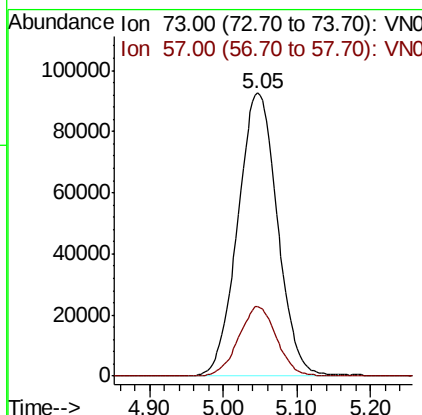
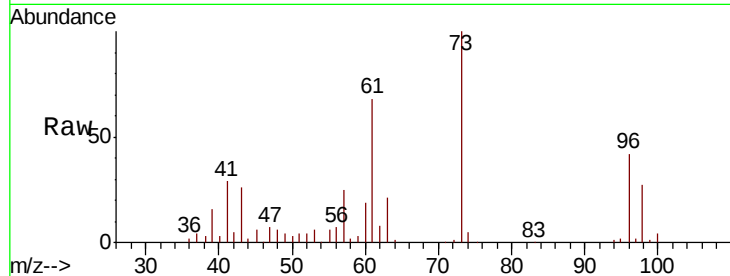




#19
Methyl tert-butyl Ether
Concen: 48.508 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

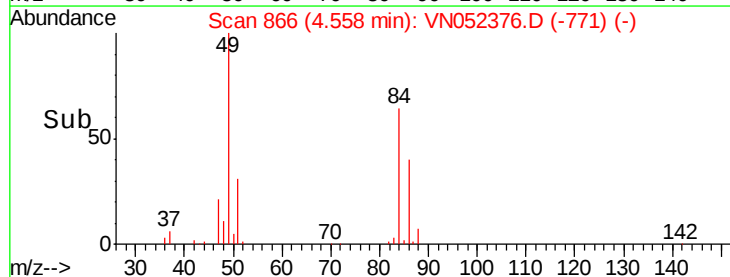
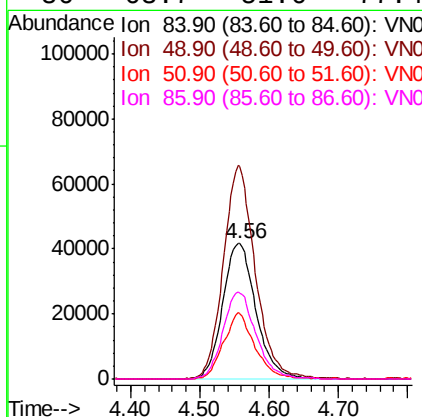
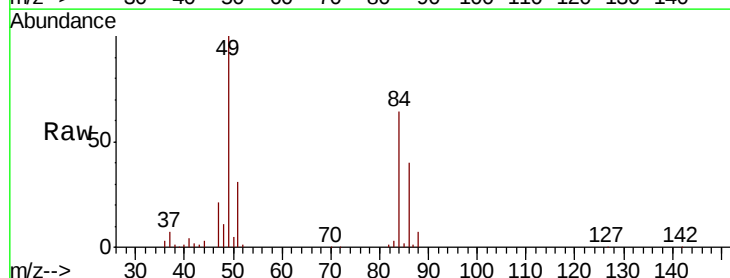
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

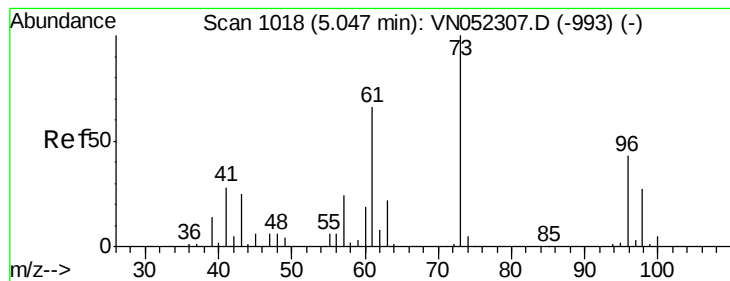
Tot Ion: 73 Resp: 346963
Ion Ratio Lower Upper
73 100
57 24.6 18.7 28.1



#20
Methylene Chloride
Concen: 48.795 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 84 Resp: 139624
Ion Ratio Lower Upper
84 100
49 156.9 118.2 177.2
51 48.7 36.1 54.1
86 63.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 46.959 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

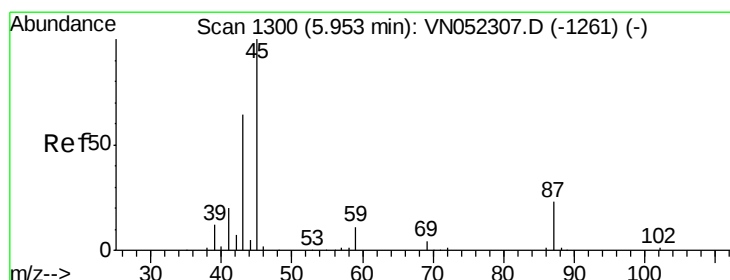
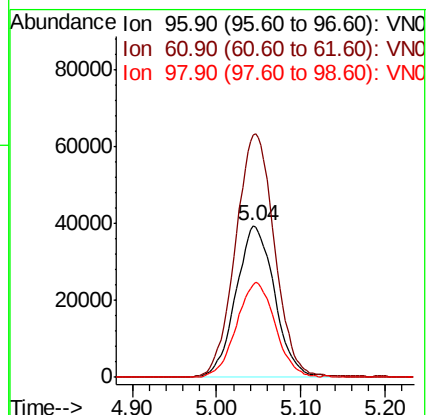
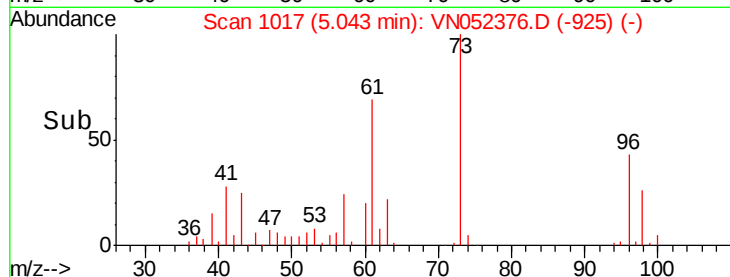
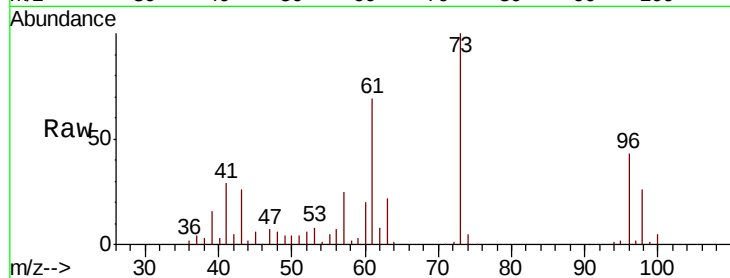
Tot Ion: 96 Resp: 125839

Ion Ratio Lower Upper

96 100

61 159.1 123.6 185.4

98 61.3 50.7 76.1



#22

Diisopropyl ether

Concen: 49.755 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Tgt Ion: 45 Resp: 518826

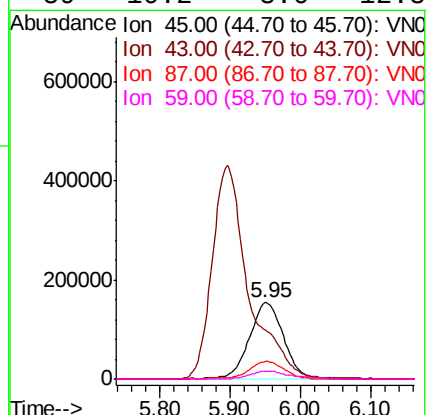
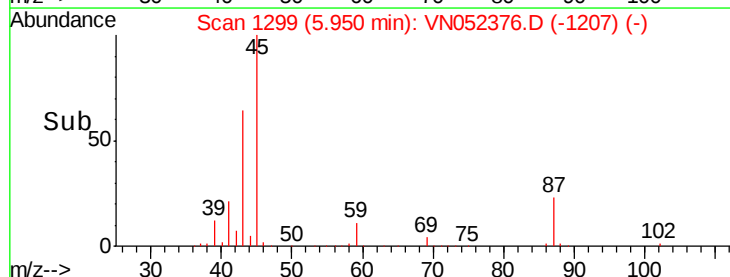
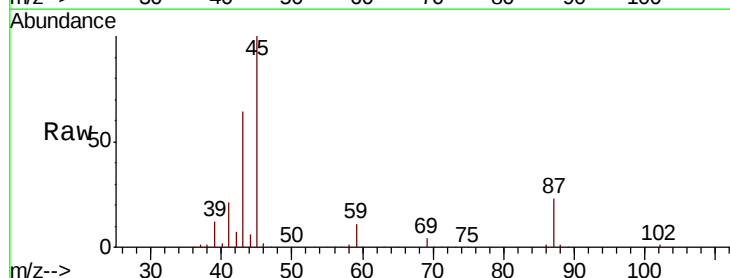
Ion Ratio Lower Upper

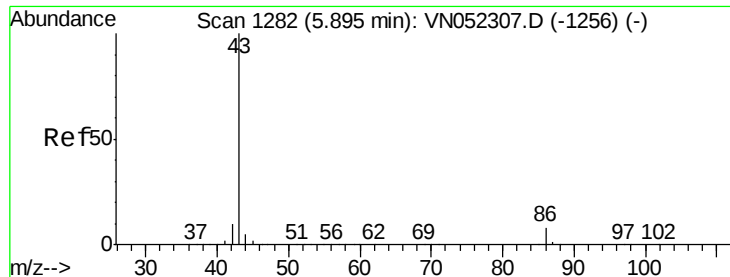
45 100

43 63.2 51.4 77.2

87 22.7 18.8 28.2

59 10.2 8.6 12.8

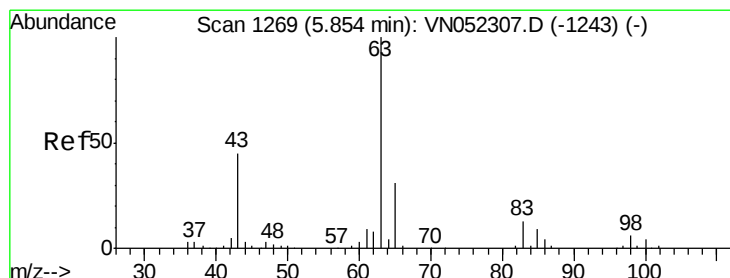
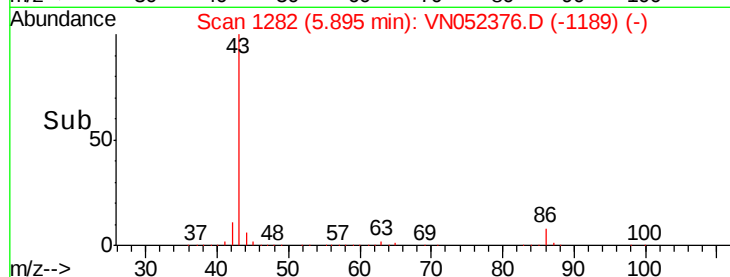
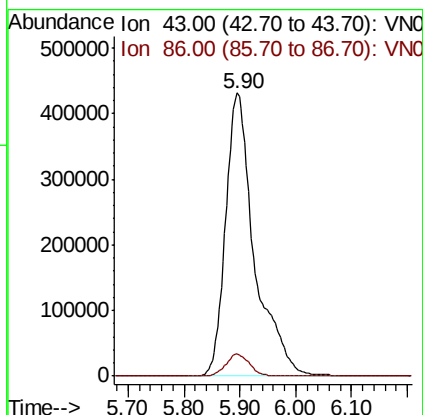
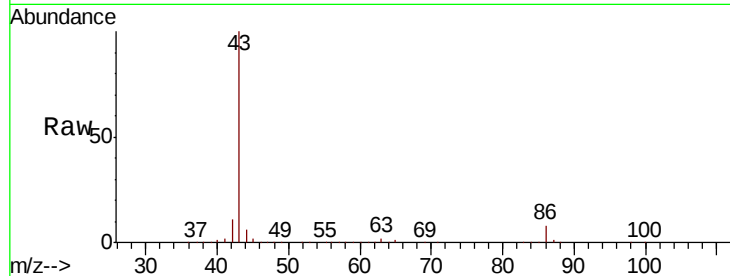




#23
 Vinyl Acetate
 Concen: 219.851 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

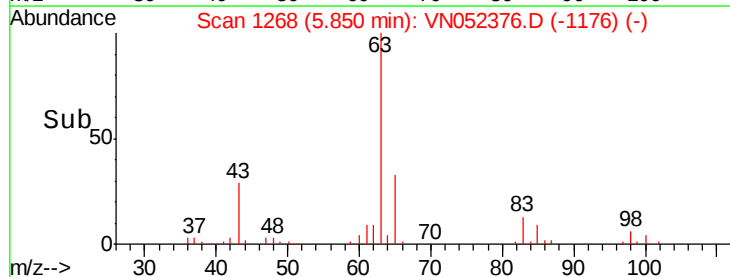
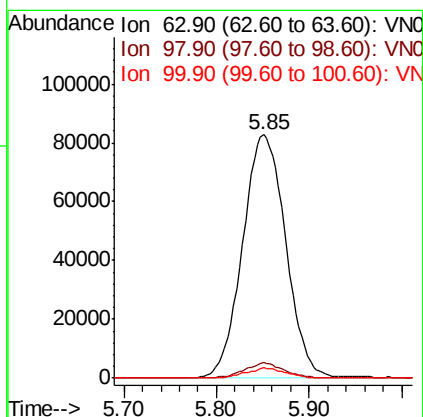
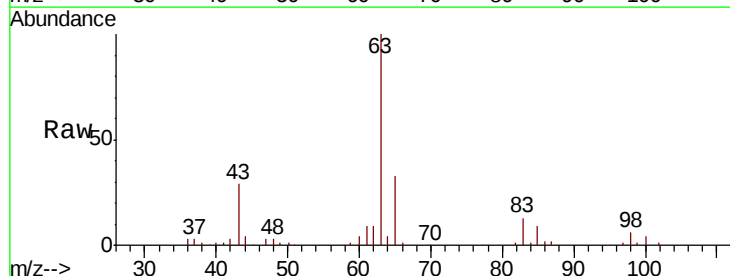
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

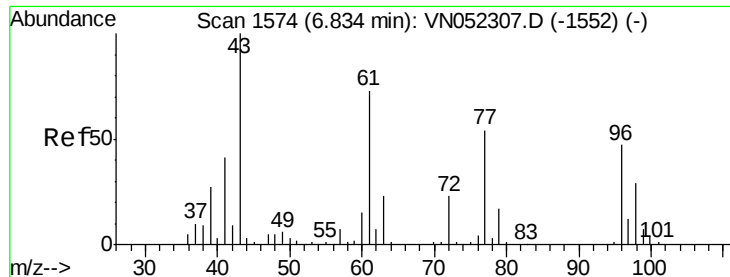
Tot Ion: 43 Resp: 1555161
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 47.879 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 63 Resp: 267714
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.6
 100 4.2 1.9 5.7





#25

2-Butanone

Concen: 237.158 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

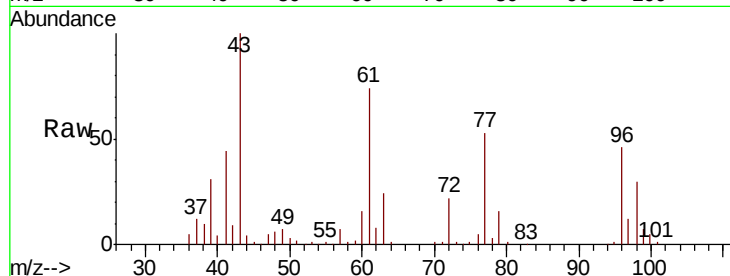
VSTDCCC050

Tot Ion: 43 Resp: 313868

Ion Ratio Lower Upper

43 100

72 21.7 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1552) (-)

Ion 72.00 (71.70 to 72.70): VN052307.D (-1552) (-)

6.83

120000

100000

80000

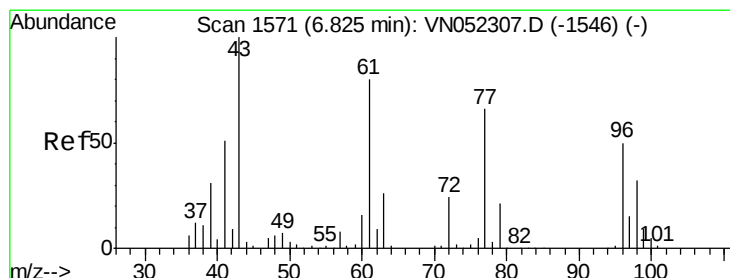
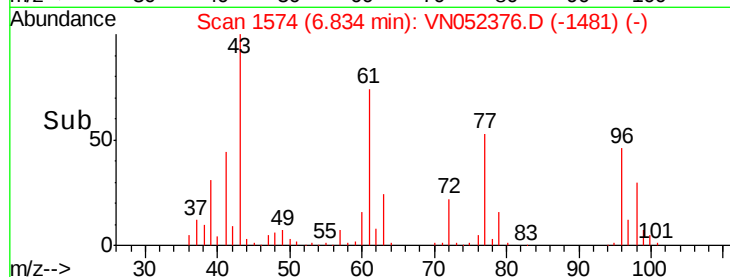
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.208 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052376.D

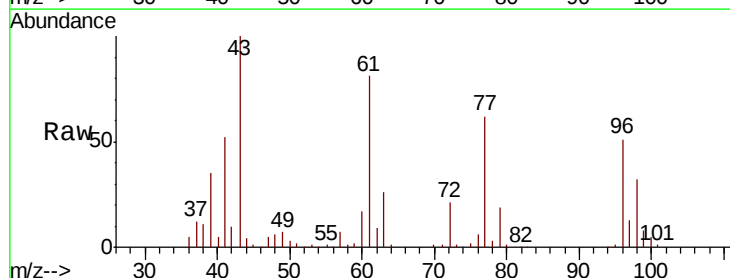
Acq: 19 Nov 2018 10:18

Tgt Ion: 77 Resp: 198208

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VN052307.D (-1546) (-)

Ion 96.90 (96.60 to 97.60): VN052307.D (-1546) (-)

6.83

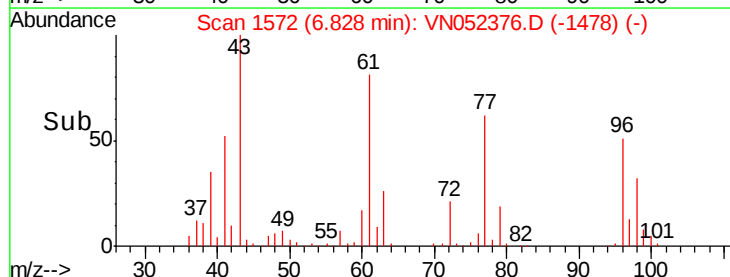
60000

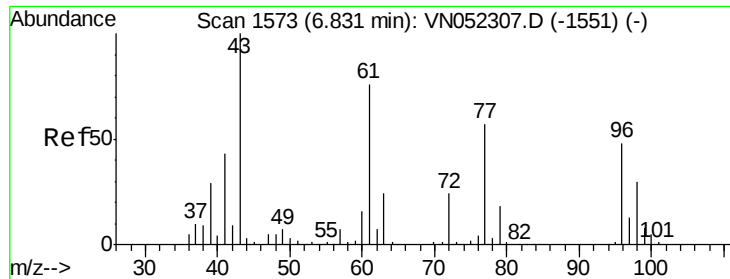
40000

20000

0

Time-->

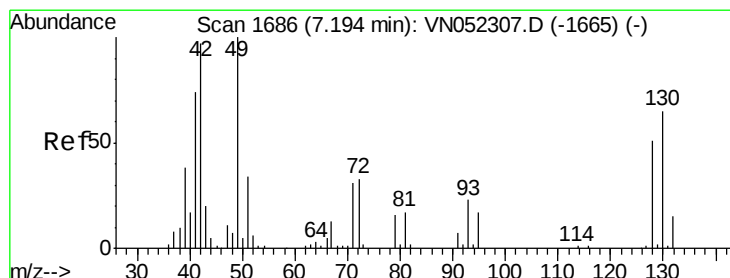
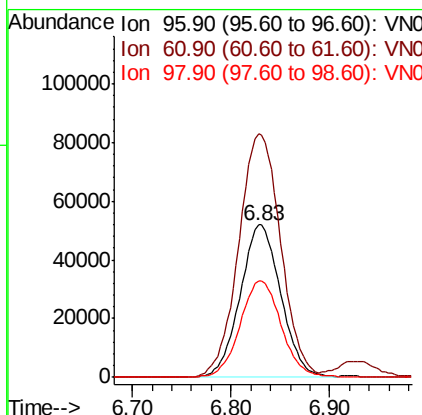
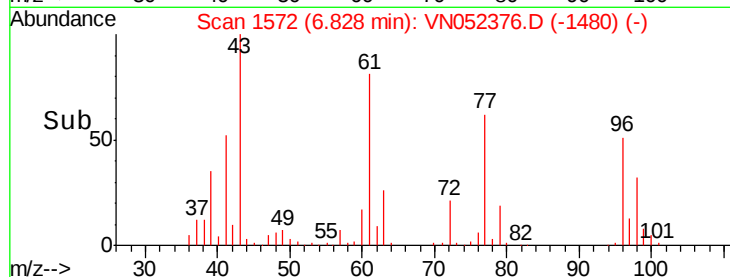
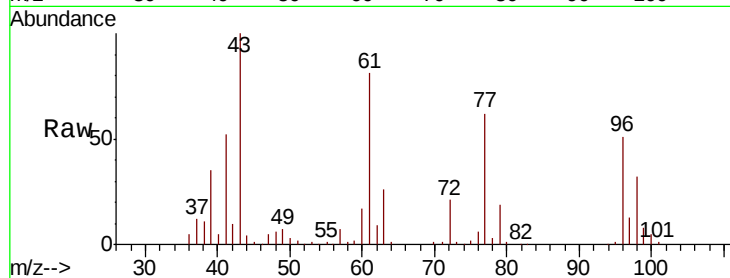




#27
 cis-1,2-Dichloroethene
 Concen: 47.550 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

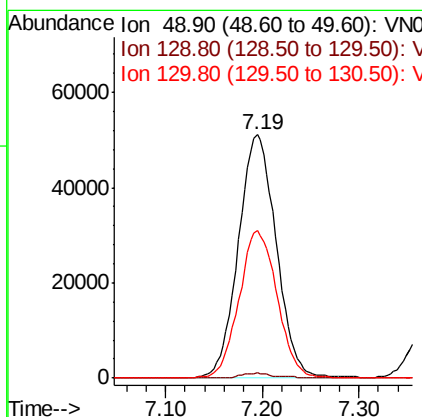
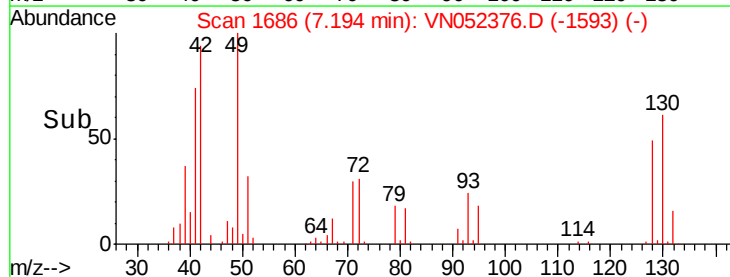
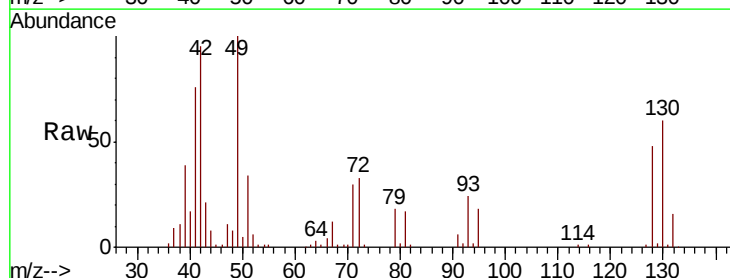
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

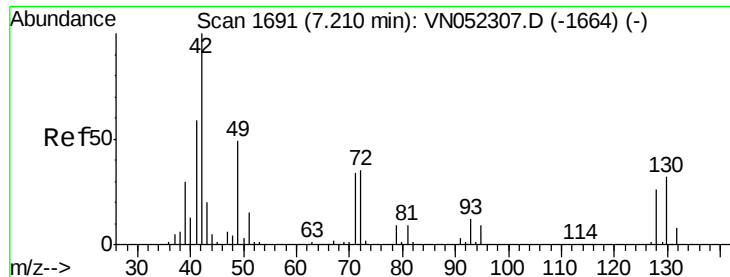
Tot Ion: 96 Resp: 148335
 Ion Ratio Lower Upper
 96 100
 61 164.6 0.0 316.8
 98 64.0 0.0 126.6



#28
 Bromochloromethane
 Concen: 48.513 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 49 Resp: 139476
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.0
 130 60.9 50.4 75.6

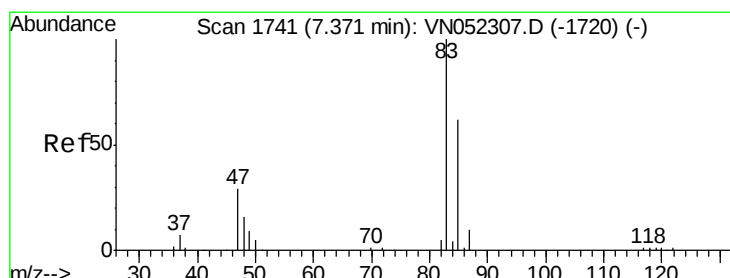
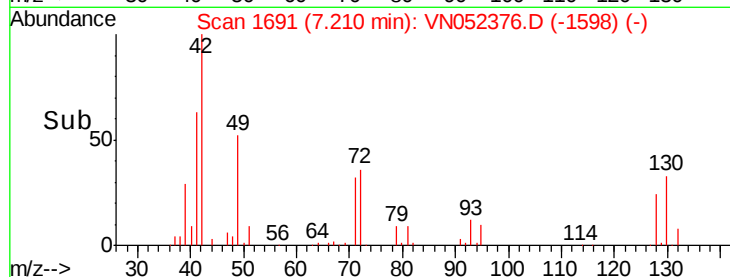
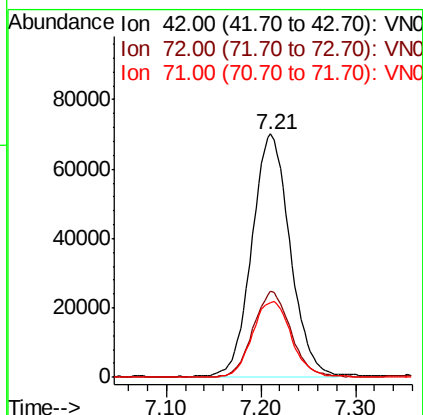
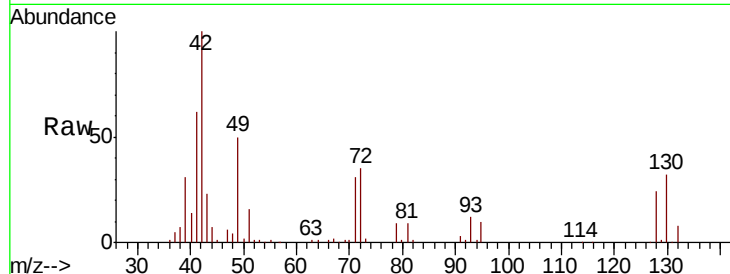




#29
Tetrahydrofuran
Concen: 225.589 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

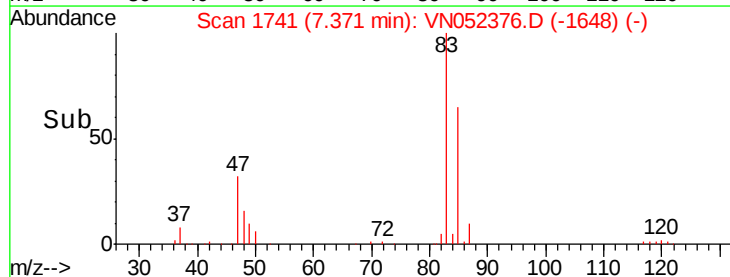
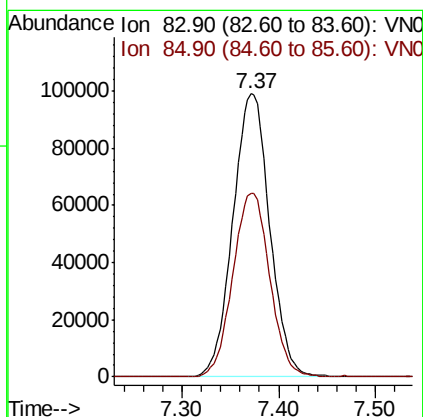
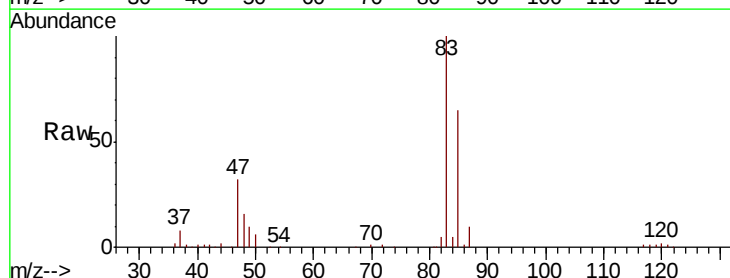
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

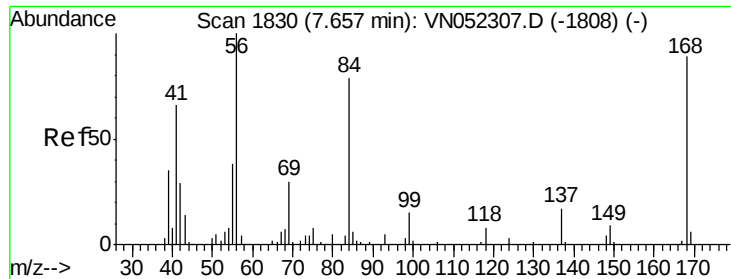
Tot Ion: 42 Resp: 196130
Ion Ratio Lower Upper
42 100
72 35.1 28.6 42.8
71 32.4 26.7 40.1



#30
Chloroform
Concen: 49.212 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 83 Resp: 262238
Ion Ratio Lower Upper
83 100
85 65.0 49.4 74.2

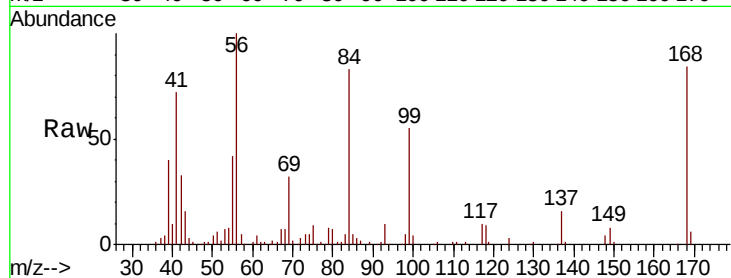




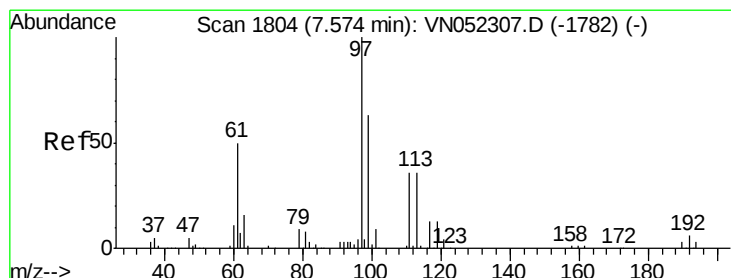
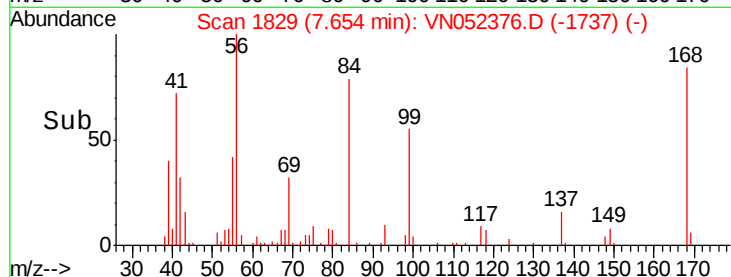
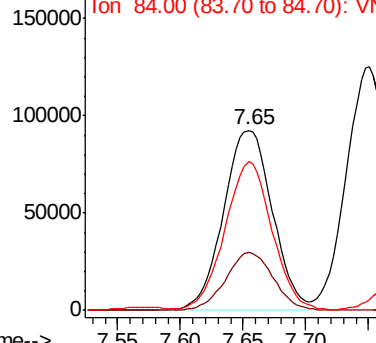
#31
Cyclohexane
Concen: 48.477 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 251833
Ion Ratio Lower Upper
56 100
69 32.3 23.8 35.8
84 81.4 63.0 94.6

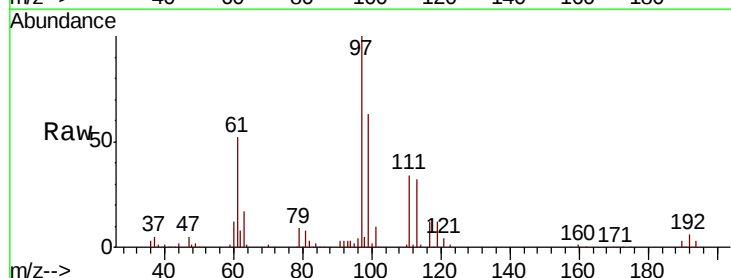


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

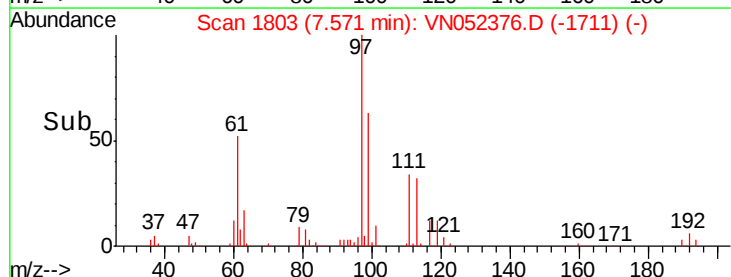
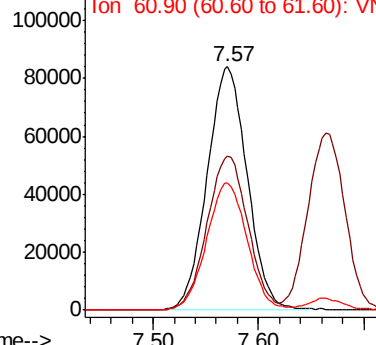


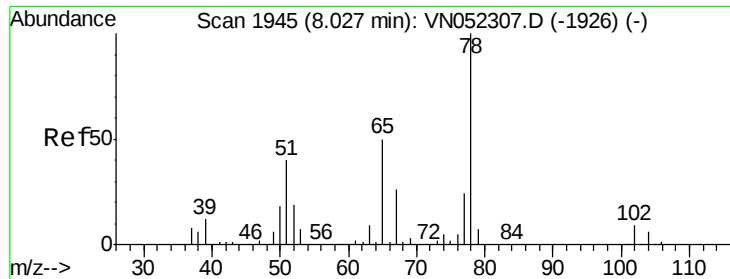
#32
1,1,1-Trichloroethane
Concen: 48.989 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 97 Resp: 222380
Ion Ratio Lower Upper
97 100
99 64.2 50.2 75.2
61 52.9 40.2 60.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

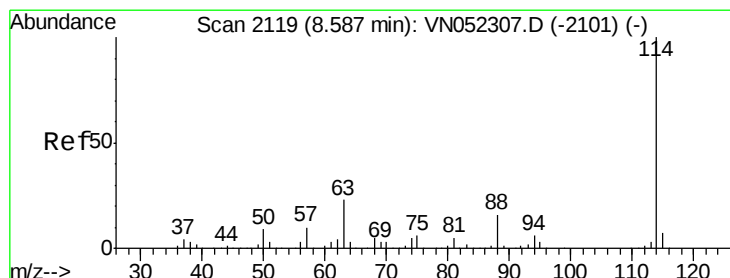
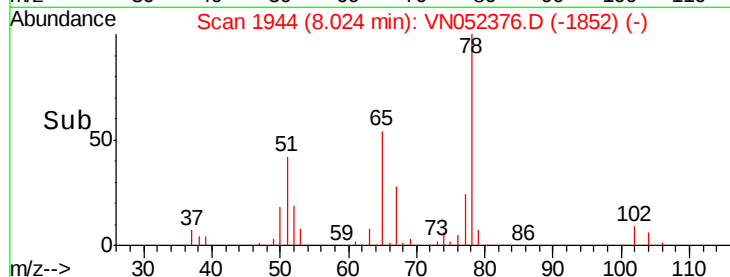
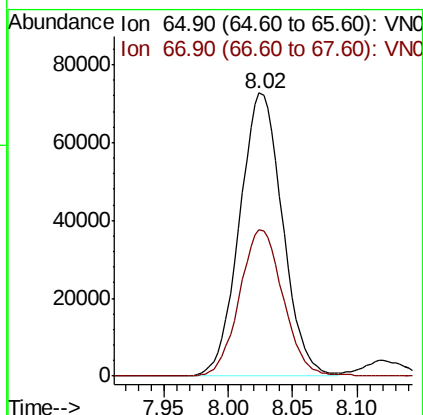
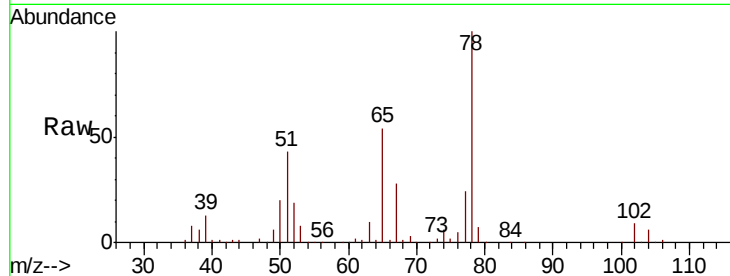




#33
 1,2-Dichloroethane-d4
 Concen: 48.989 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

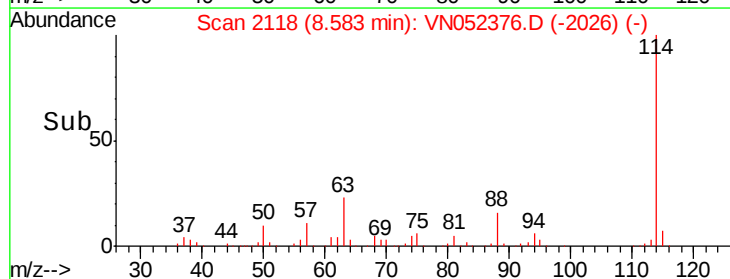
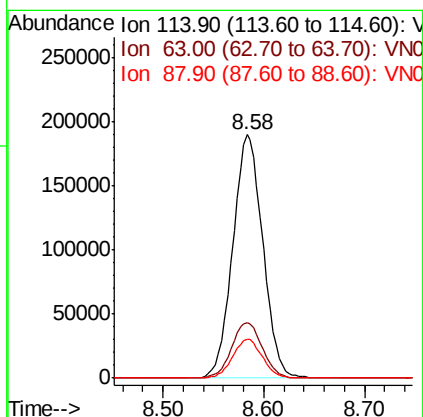
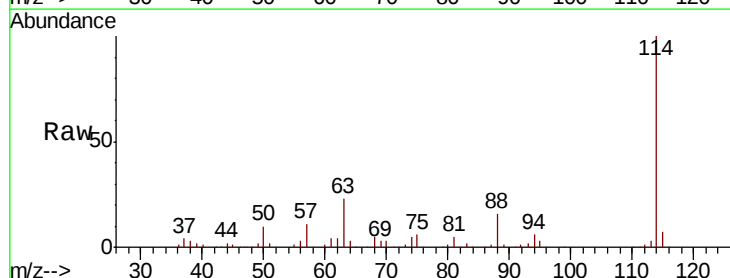
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

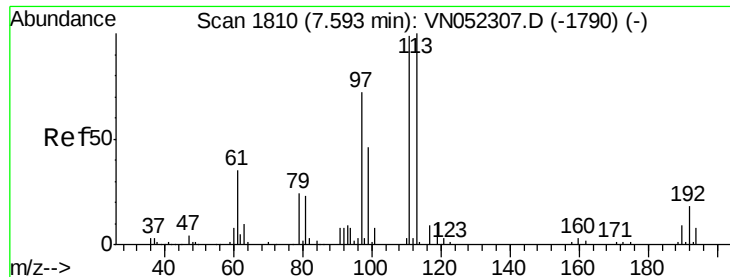
Tot Ion: 65 Resp: 168832
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 114 Resp: 391886
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.4
 88 16.1 0.0 31.2

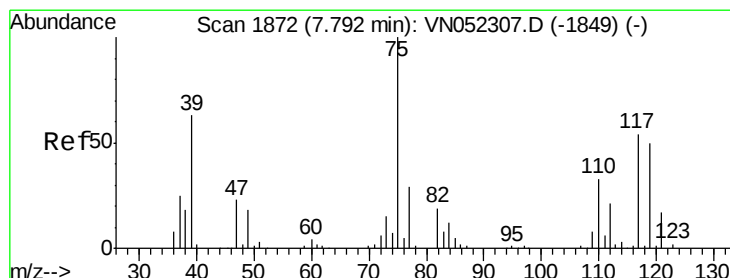
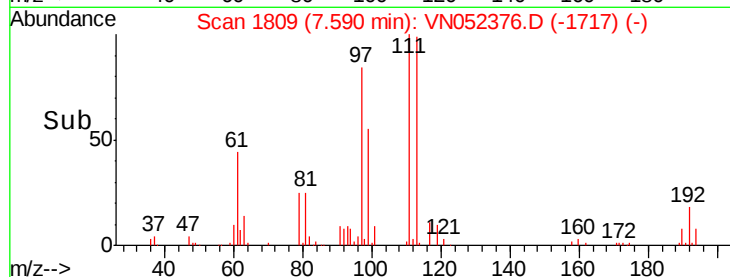
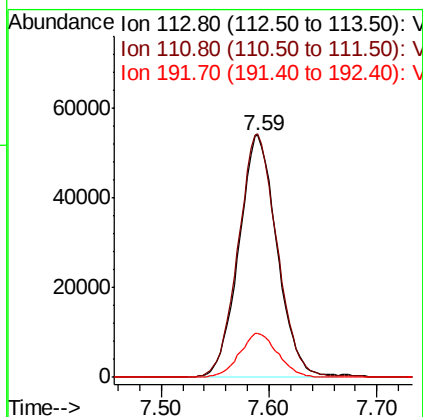
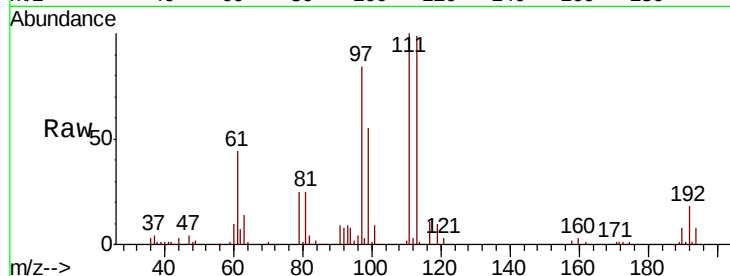




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

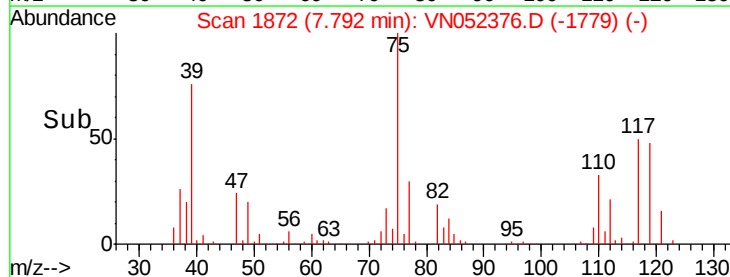
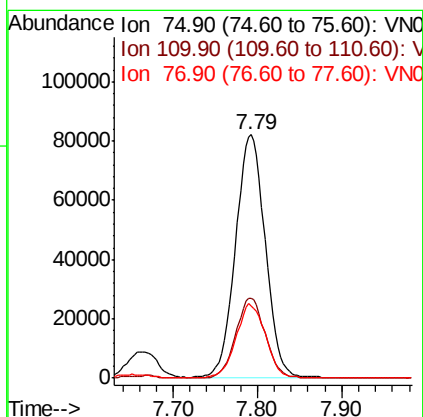
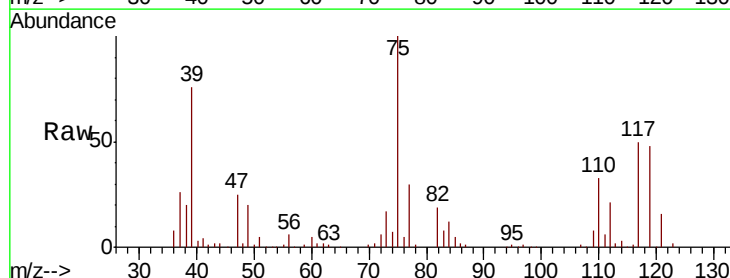
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

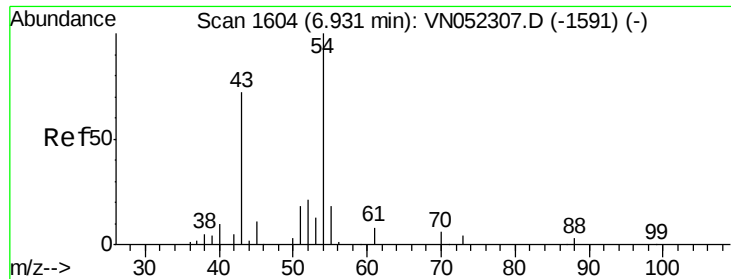
Tot Ion:113 Resp: 132805
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.6
192 18.1 13.8 20.6



#36
1,1-Dichloropropene
Concen: 51.697 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 75 Resp: 203060
Ion Ratio Lower Upper
75 100
110 32.3 16.5 49.5
77 30.4 24.2 36.2

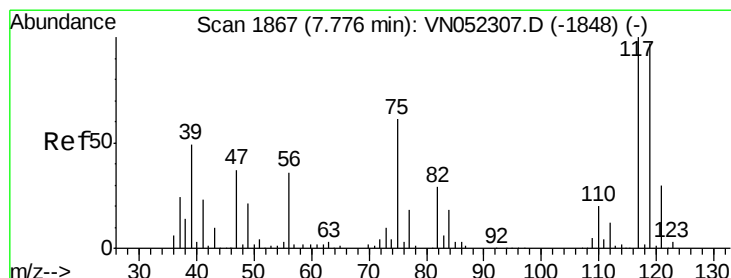
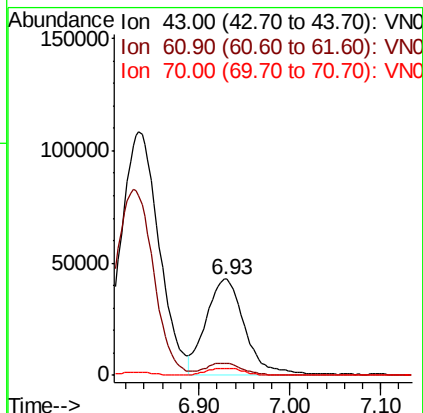
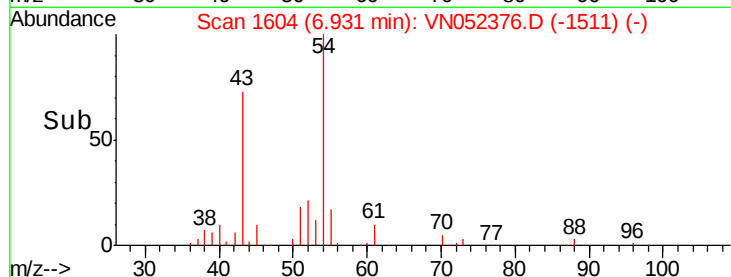
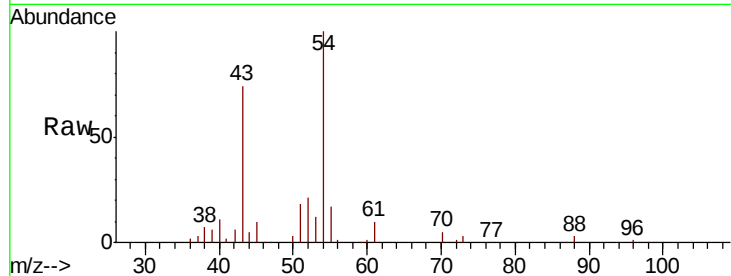




#37
Ethyl Acetate
Concen: 43.835 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

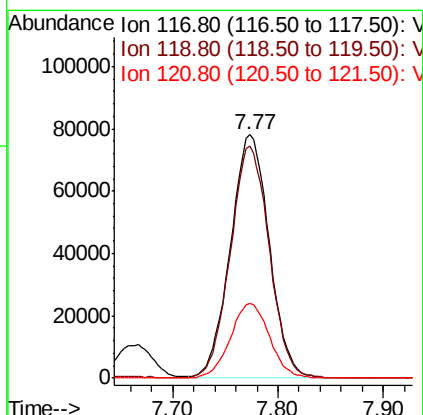
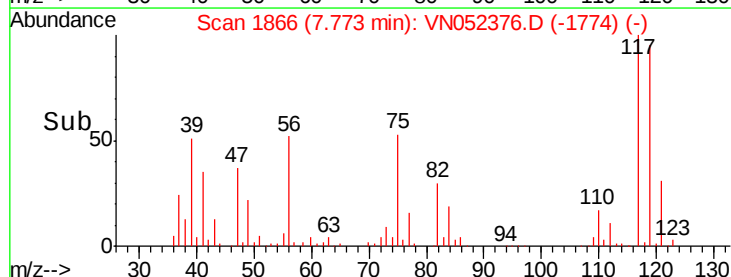
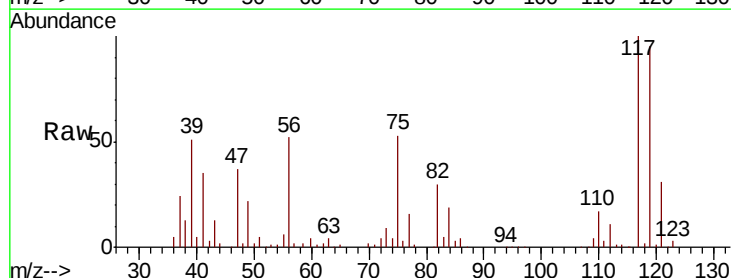
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

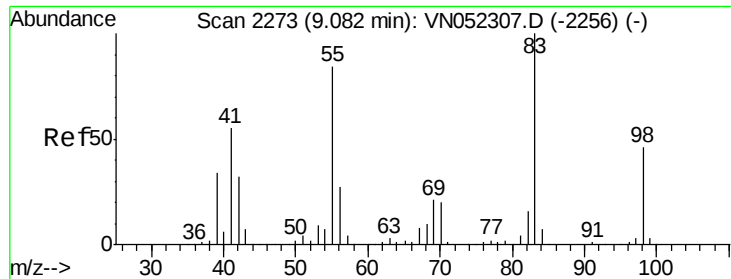
Tot Ion: 43 Resp: 124957
Ion Ratio Lower Upper
43 100
61 12.8 10.3 15.5
70 3.3 5.6 8.4#



#38
Carbon Tetrachloride
Concen: 55.359 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 117 Resp: 199771
Ion Ratio Lower Upper
117 100
119 94.9 77.4 116.0
121 30.8 24.0 36.0

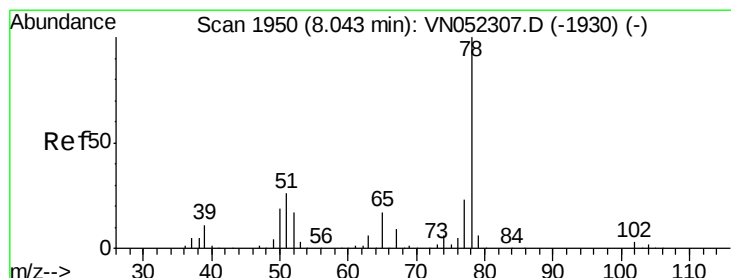
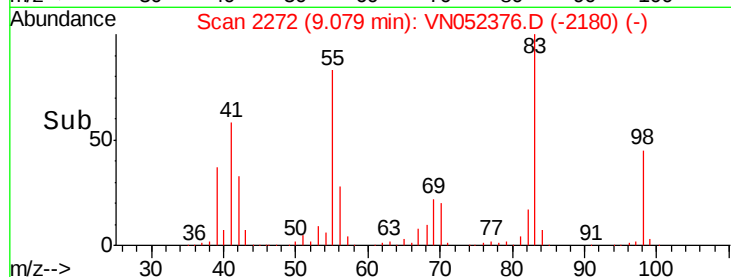
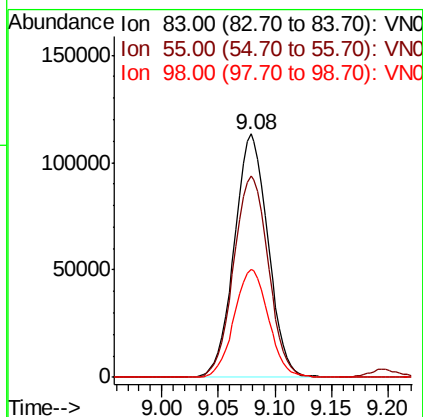
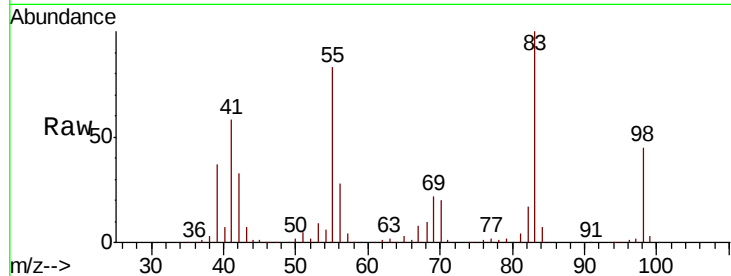




#39
Methvlcvclohexane
Concen: 52.511 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

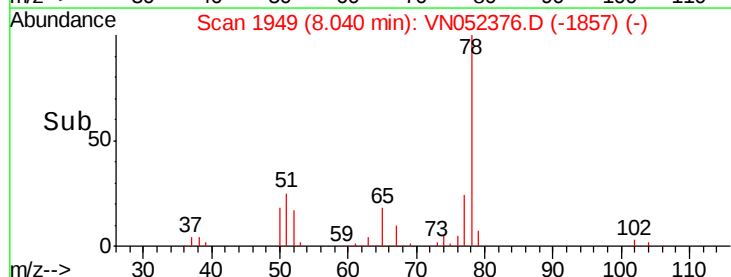
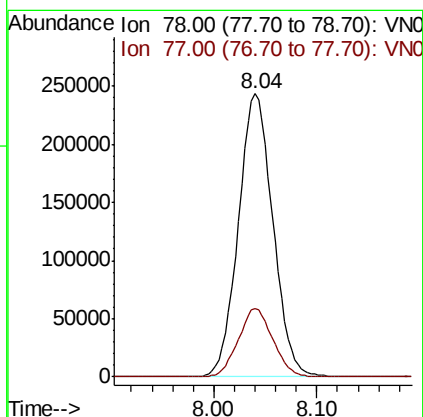
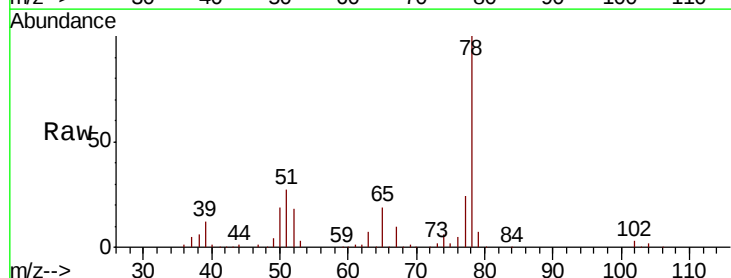
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

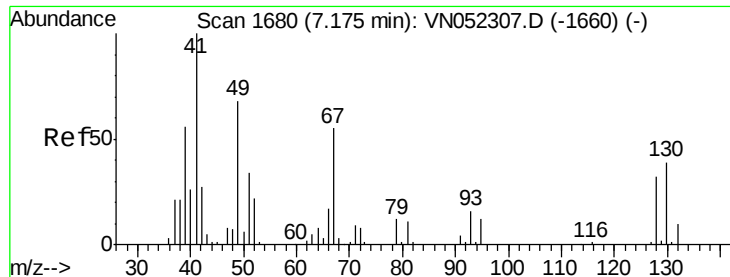
Tot Ion: 83 Resp: 235457
Ion Ratio Lower Upper
83 100
55 82.7 66.8 100.2
98 44.6 36.4 54.6



#40
Benzene
Concen: 50.478 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 78 Resp: 566418
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1

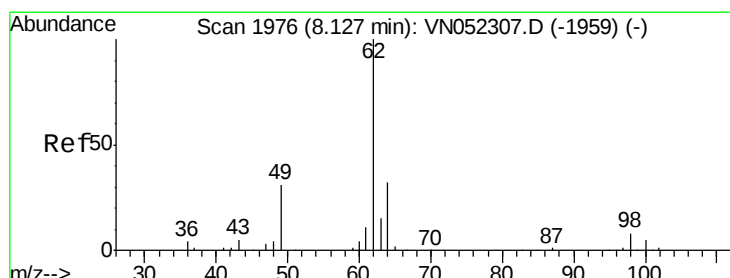
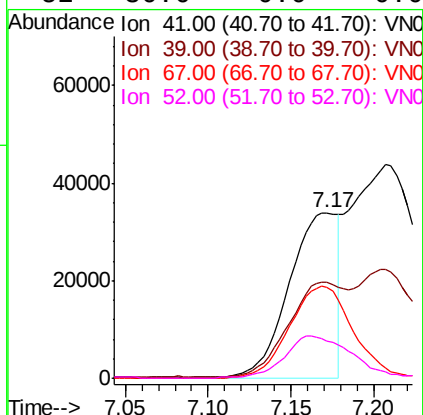
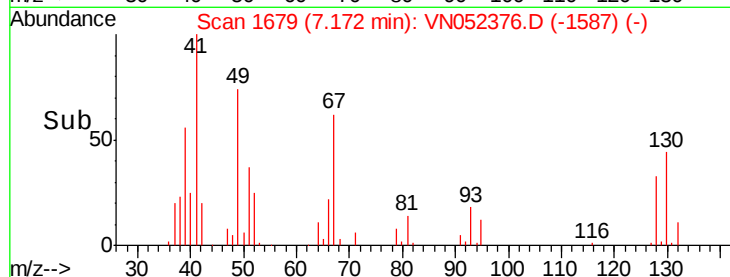
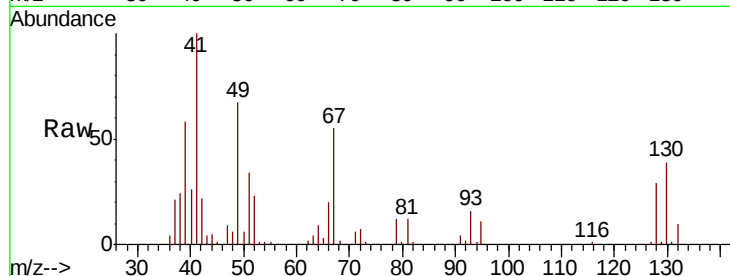




#41
Methacrylonitrile
Concen: 44.349 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

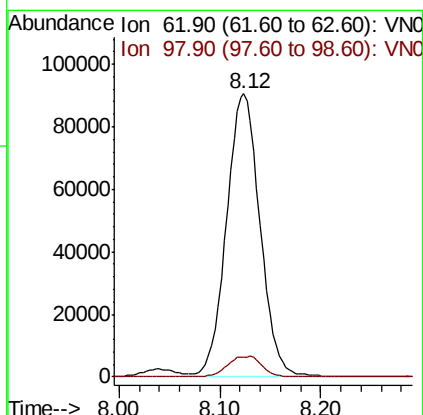
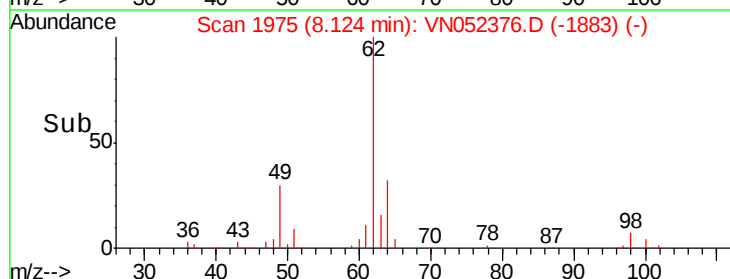
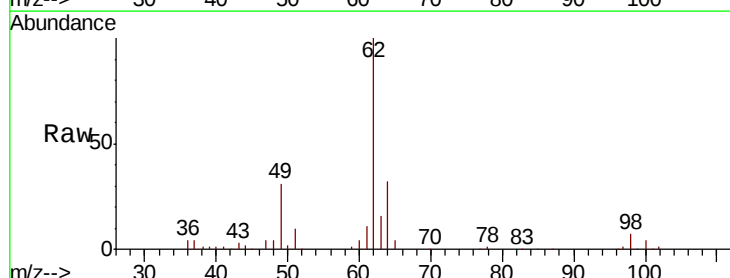
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

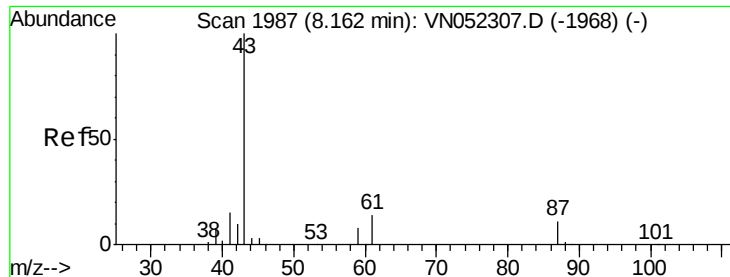
Tot Ion:	41	Resp:	69500
Ion	Ratio	Lower	Upper
41	100		
39	67.3	0.0	0.0#
67	72.7	0.0	0.0#
52	36.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 52.016 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion:	62	Resp:	208133
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.6





#43

Isopropyl Acetate

Concen: 41.381 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

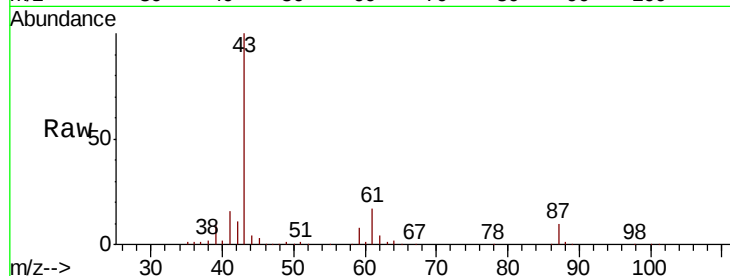
Tot Ion: 43 Resp: 227626

Ion Ratio Lower Upper

43 100

61 15.2 12.0 18.0

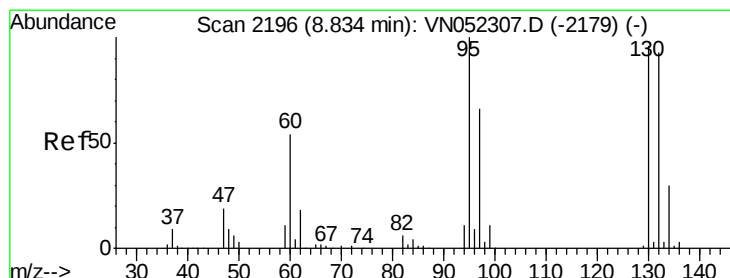
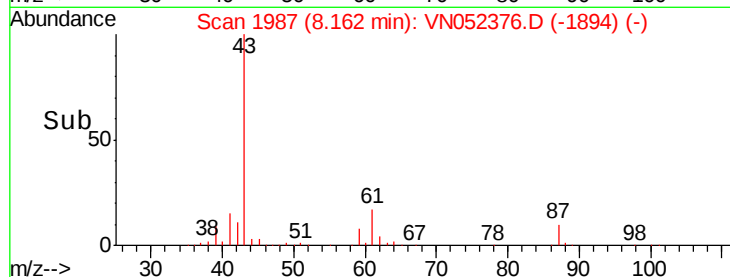
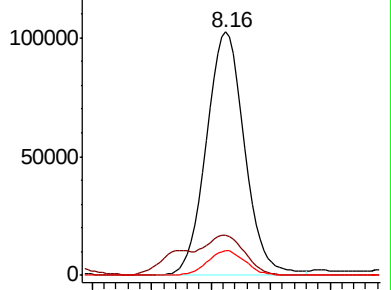
87 10.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#44

Trichloroethene

Concen: 50.723 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052376.D

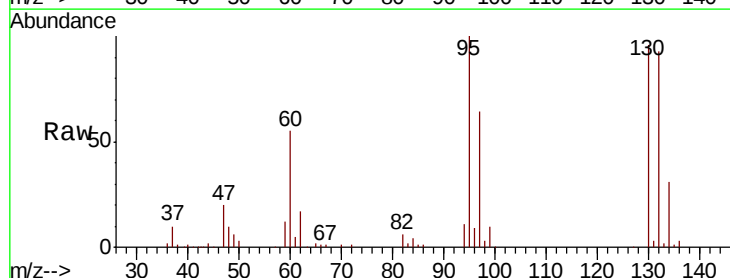
Acq: 19 Nov 2018 10:18

Tgt Ion: 130 Resp: 140201

Ion Ratio Lower Upper

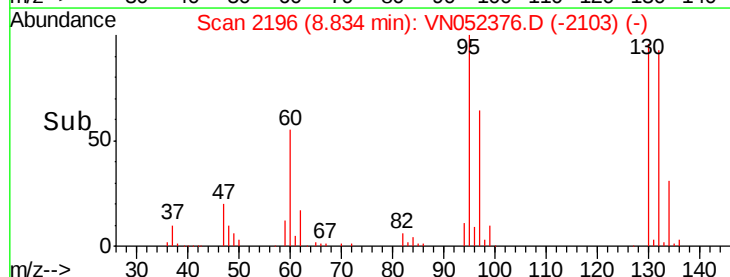
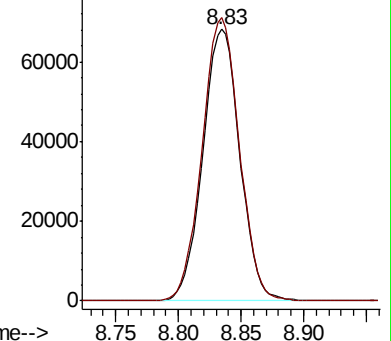
130 100

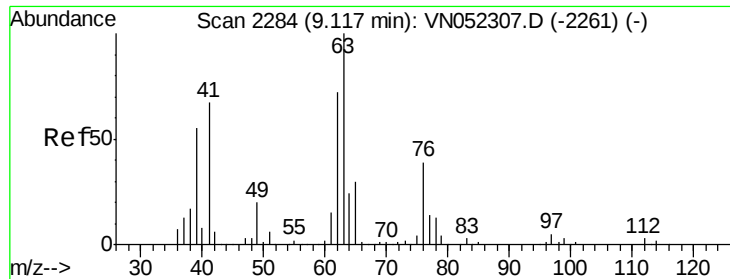
95 104.2 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)

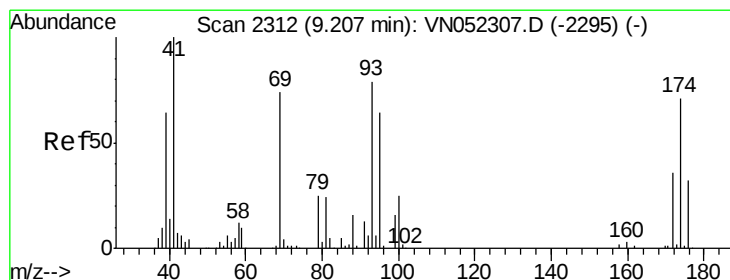
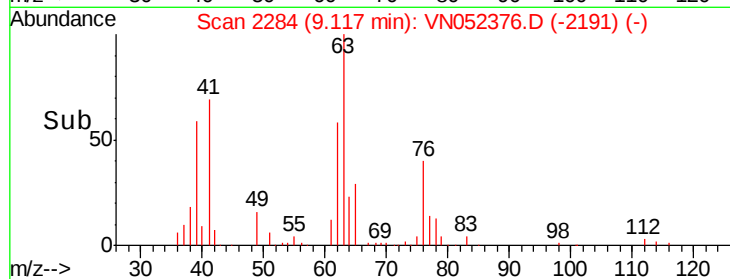
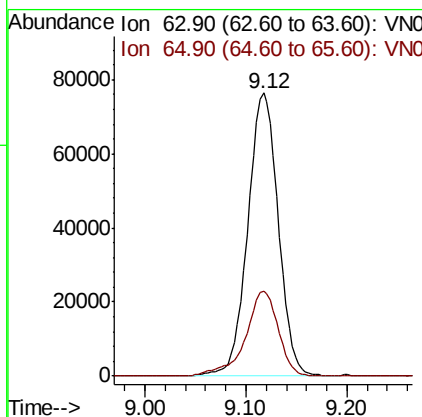
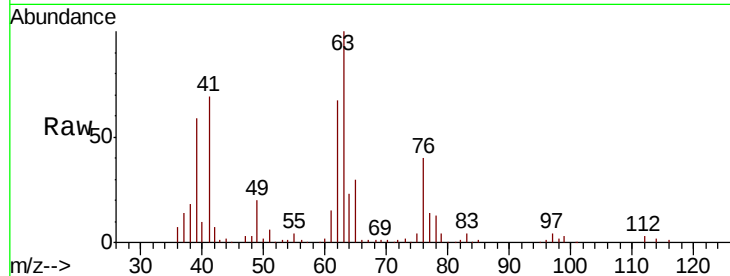




#45
 1,2-Dichloropropane
 Concen: 50.117 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

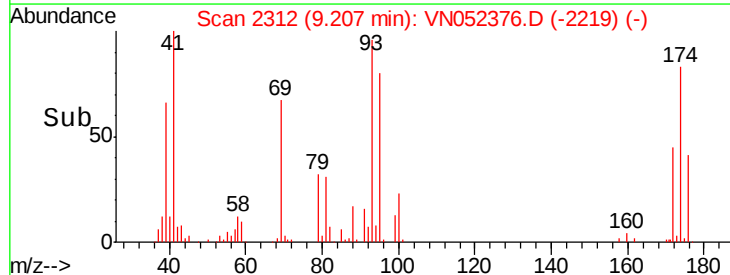
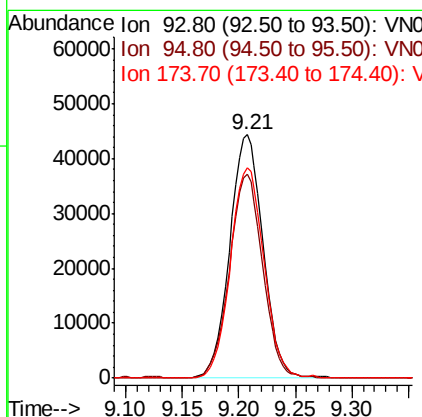
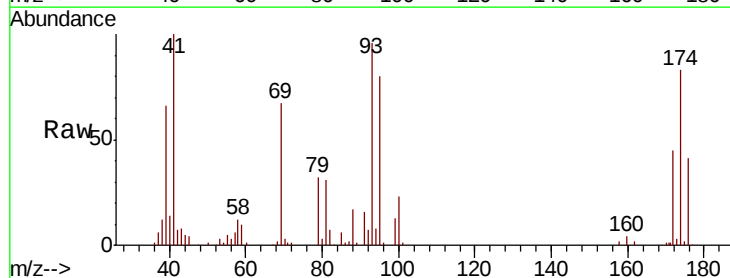
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

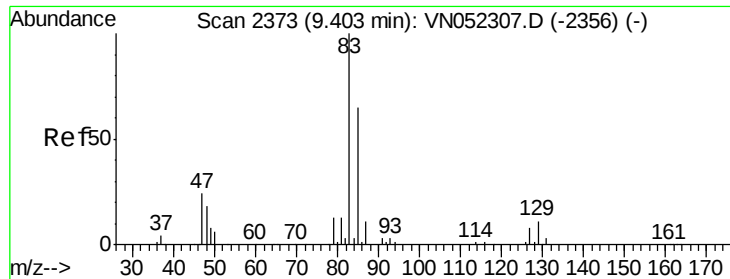
Tot Ion: 63 Resp: 159597
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.2 36.4



#46
 Dibromomethane
 Concen: 49.216 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 93 Resp: 90729
 Ion Ratio Lower Upper
 93 100
 95 83.7 64.2 96.2
 174 87.3 70.9 106.3





#47

Bromodichloromethane

Concen: 54.797 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

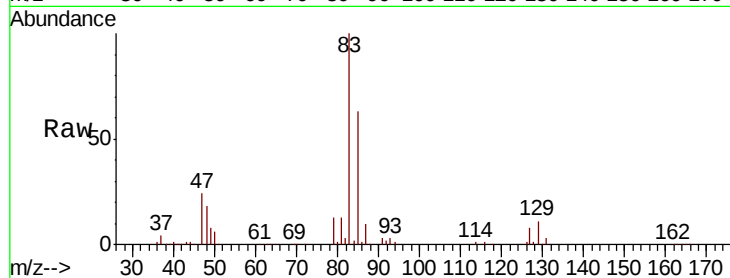
Tot Ion: 83 Resp: 207300

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.4

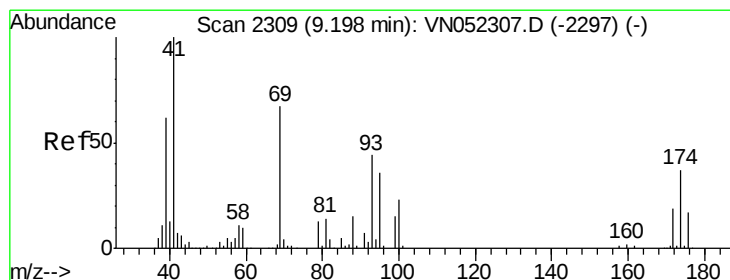
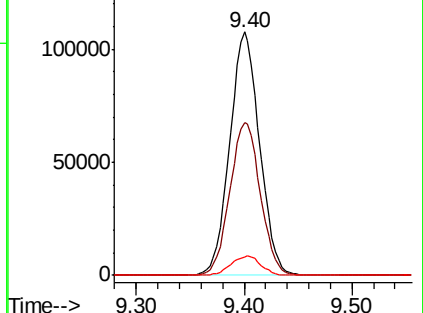
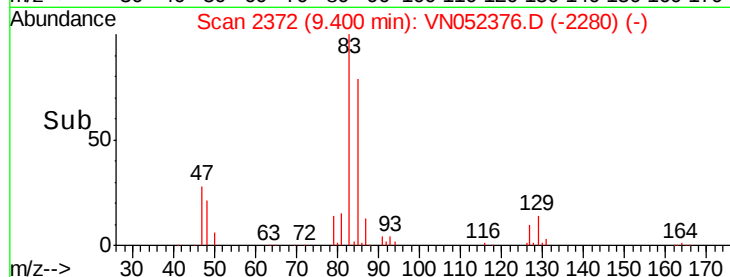
127 7.8 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN052376.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052376.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052376.D (-2280) (-)



#48

Methyl methacrylate

Concen: 42.075 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

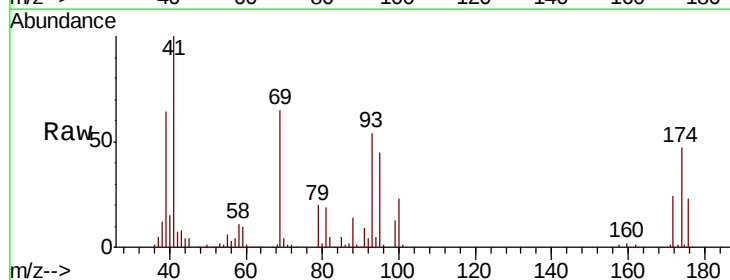
Tgt Ion: 41 Resp: 117439

Ion Ratio Lower Upper

41 100

69 68.8 57.1 85.7

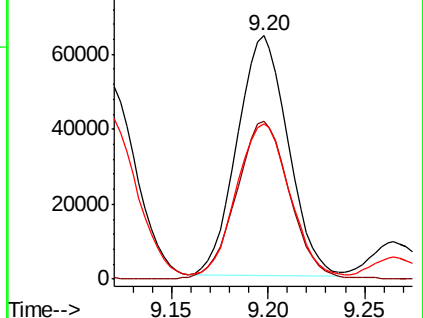
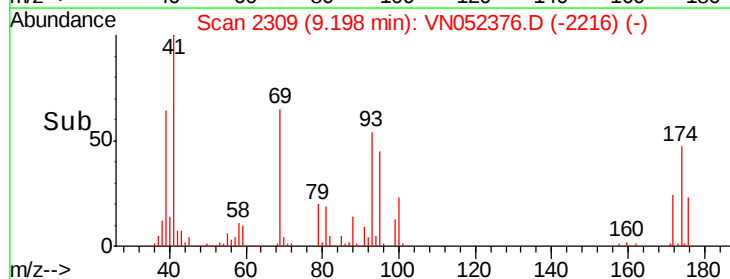
39 67.6 52.5 78.7

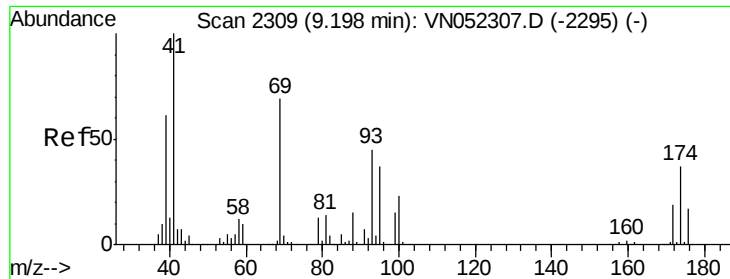


Abundance Ion 41.00 (40.70 to 41.70): VN052376.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052376.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052376.D (-2216) (-)





#49

1,4-Dioxane

Concen: 956.525 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

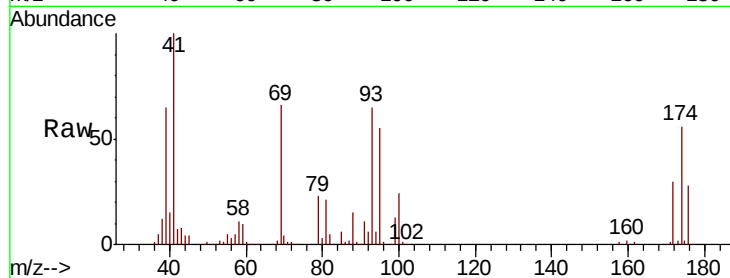
Tot Ion: 88 Resp: 20495

Ion Ratio Lower Upper

88 100

43 47.4 33.3 49.9

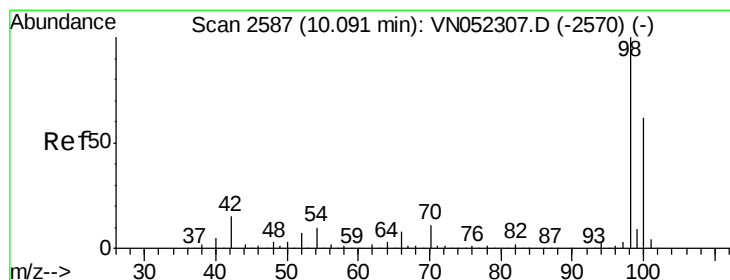
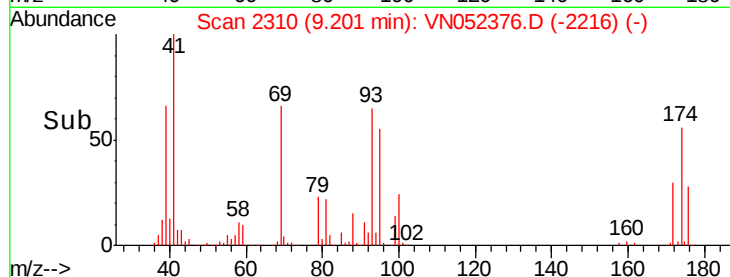
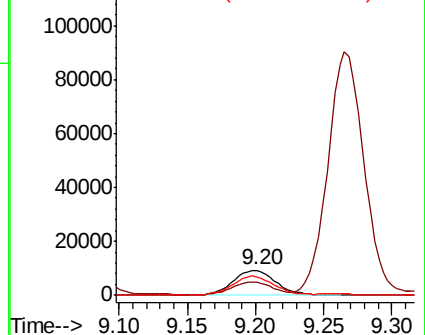
58 74.8 59.2 88.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 956.525 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052376.D

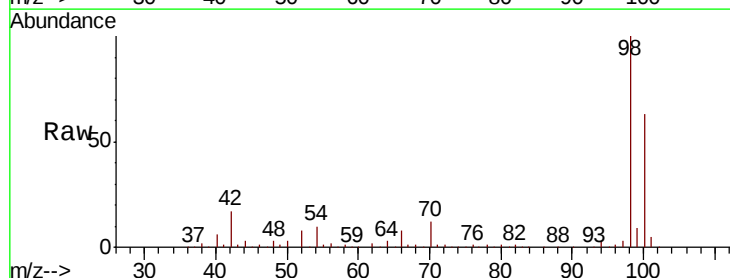
Acq: 19 Nov 2018 10:18

Tgt Ion: 98 Resp: 505687

Ion Ratio Lower Upper

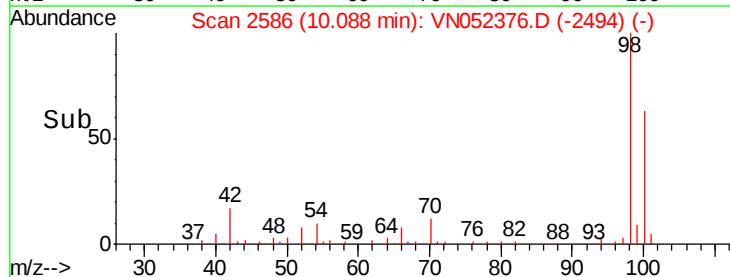
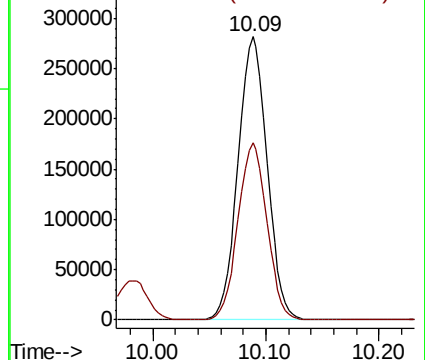
98 100

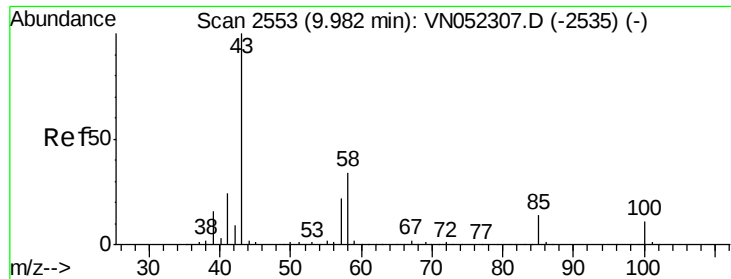
100 62.0 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 238.535 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

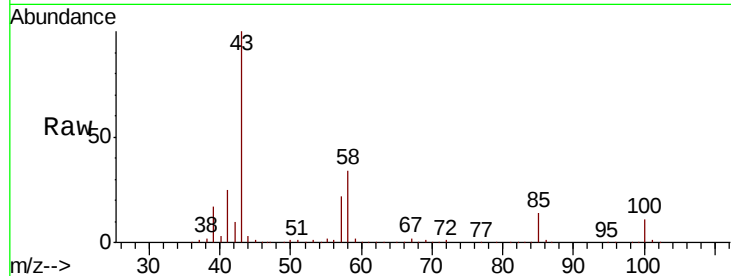
VSTDCCC050

Tot Ion: 43 Resp: 660484

Ion Ratio Lower Upper

43 100

58 33.6 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.98

400000

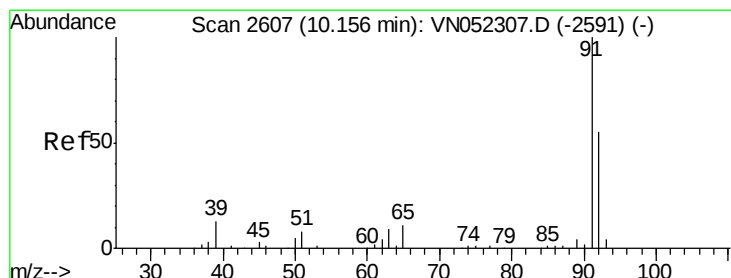
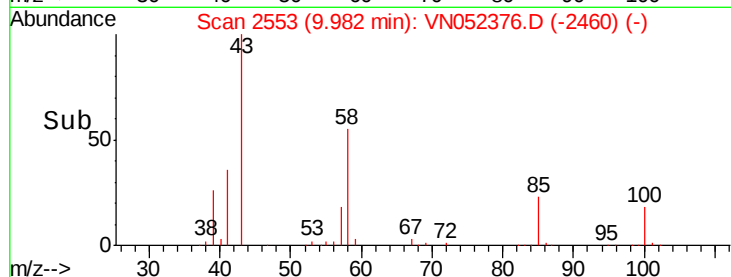
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.969 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052376.D

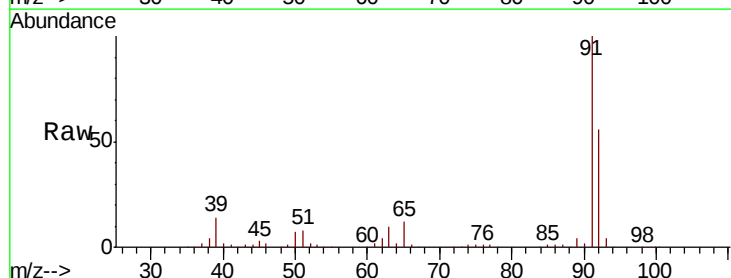
Acq: 19 Nov 2018 10:18

Tgt Ion: 92 Resp: 348847

Ion Ratio Lower Upper

92 100

91 179.1 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

10.15

400000

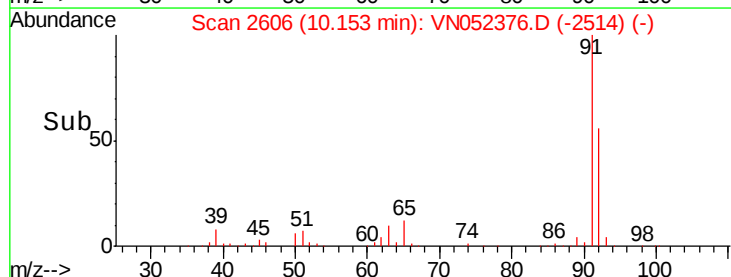
300000

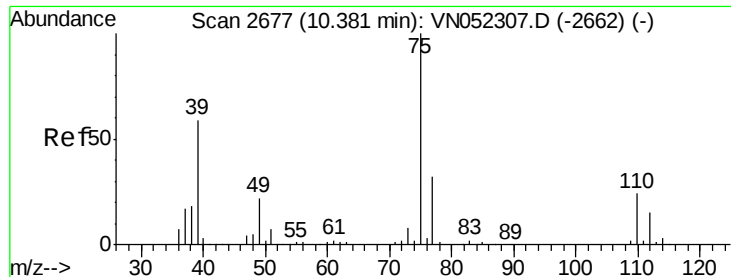
200000

100000

0

Time-->

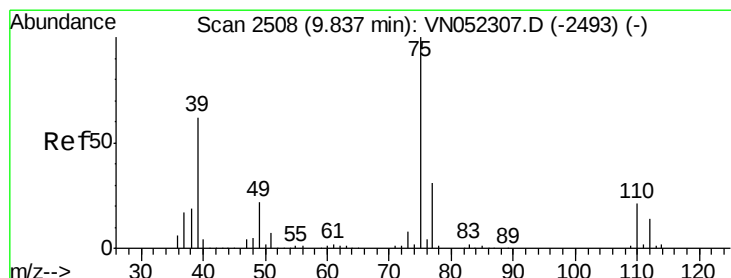
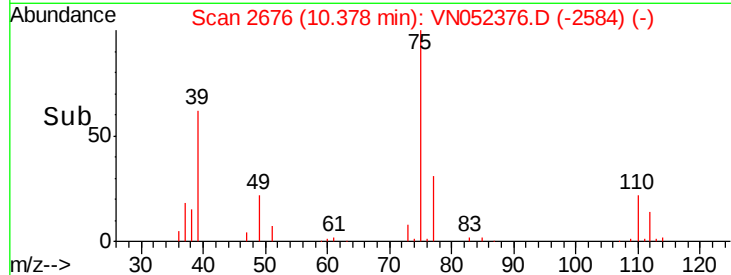
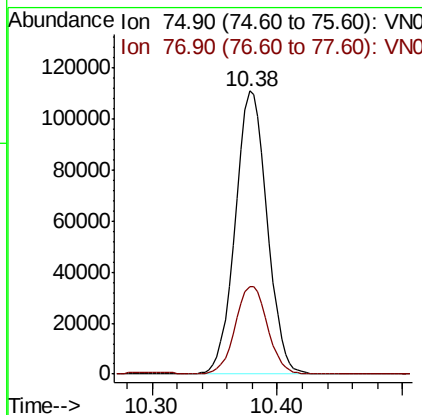
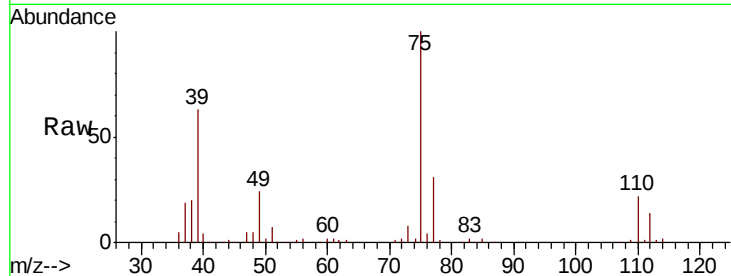




#53
 t-1,3-Dichloropropene
 Concen: 51.368 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

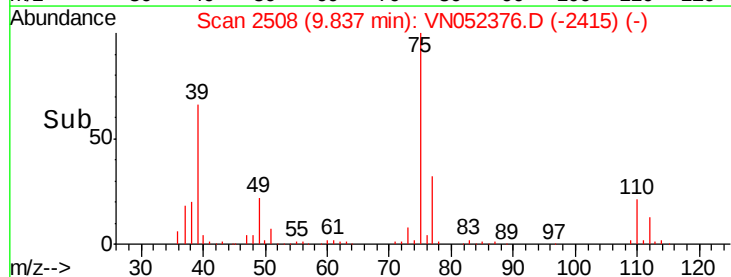
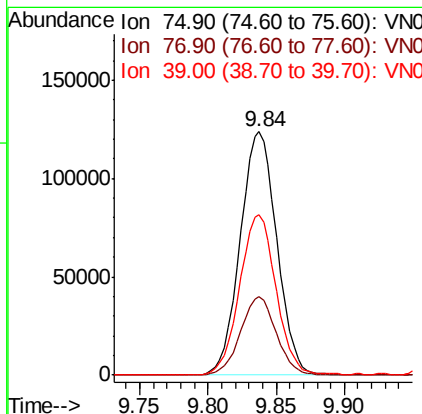
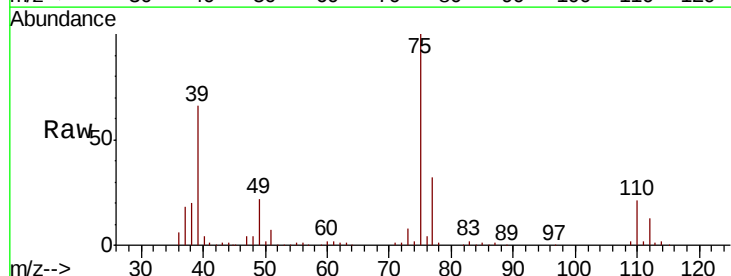
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

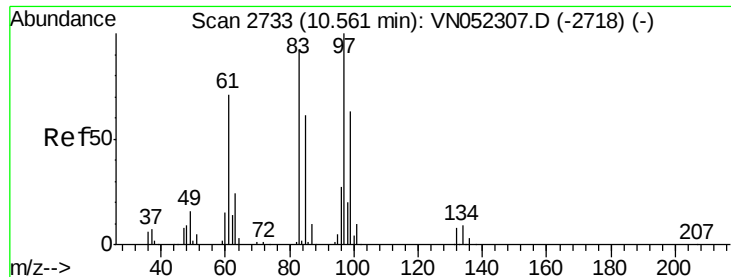
Tot Ion: 75 Resp: 195989
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 52.987 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 75 Resp: 230461
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.6 36.8
 39 65.9 49.9 74.9

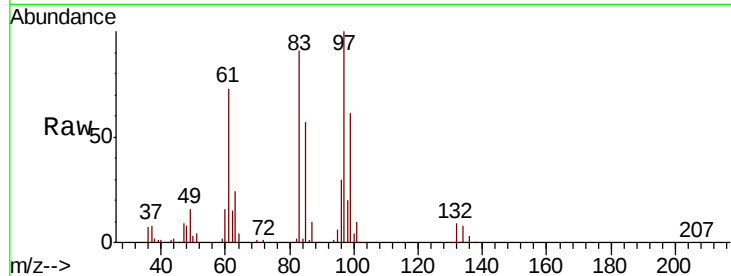




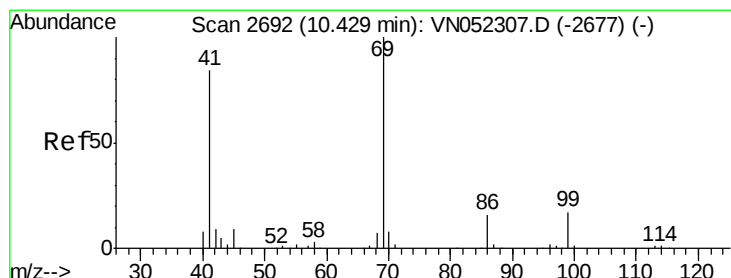
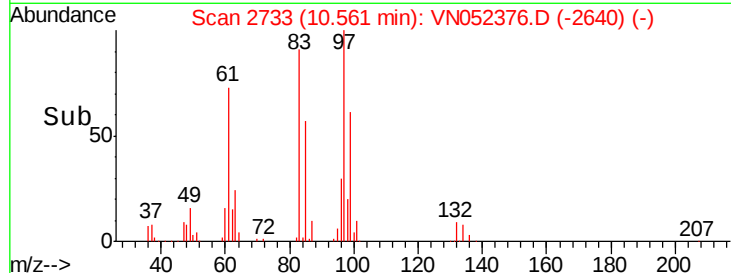
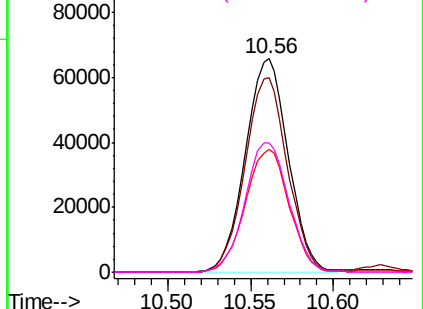
#55
1,1,2-Trichloroethane
Concen: 48.674 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 97 Resp: 118445
Ion Ratio Lower Upper
97 100
83 91.2 73.8 110.6
85 57.5 49.0 73.4
99 60.8 50.5 75.7

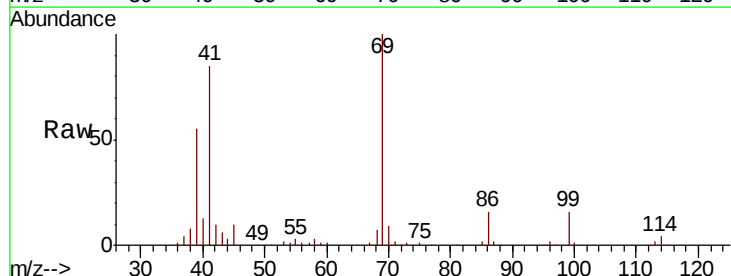


Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0

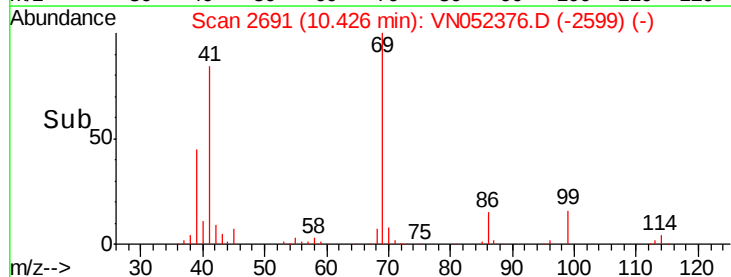
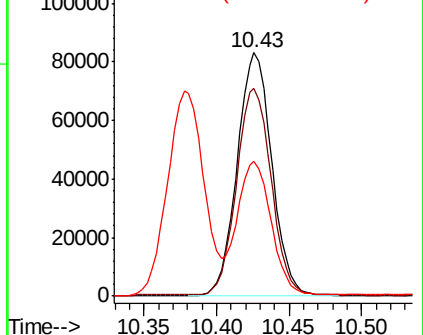


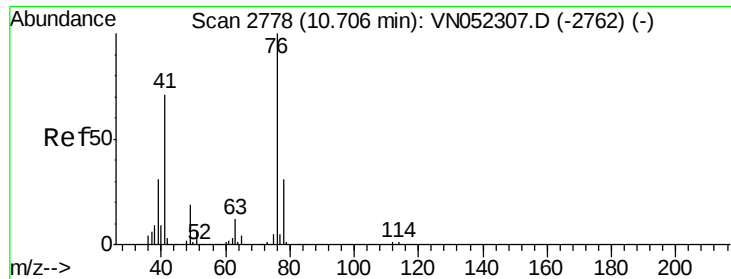
#56
Ethyl methacrylate
Concen: 43.181 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 69 Resp: 138191
Ion Ratio Lower Upper
69 100
41 84.8 64.8 97.2
39 54.6 41.0 61.6



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

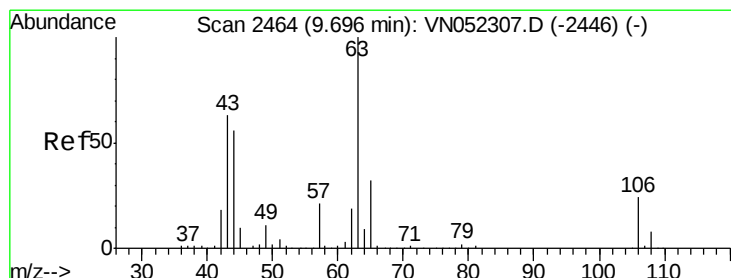
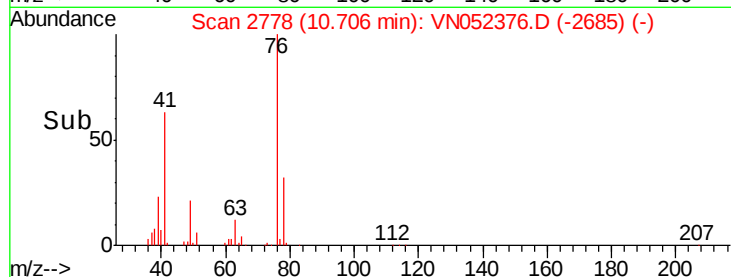
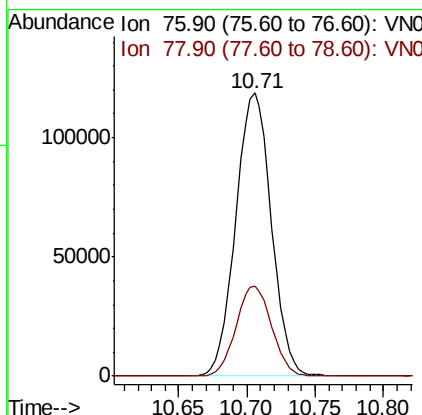
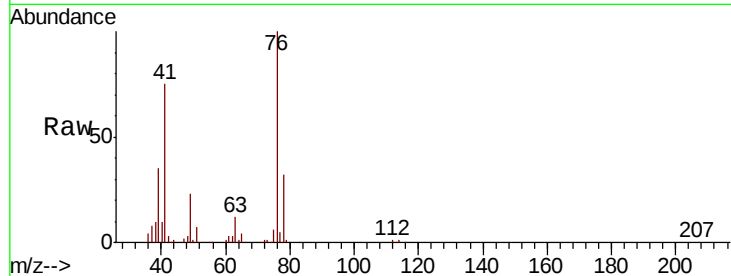




#57
 1,3-Dichloropropane
 Concen: 49.902 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

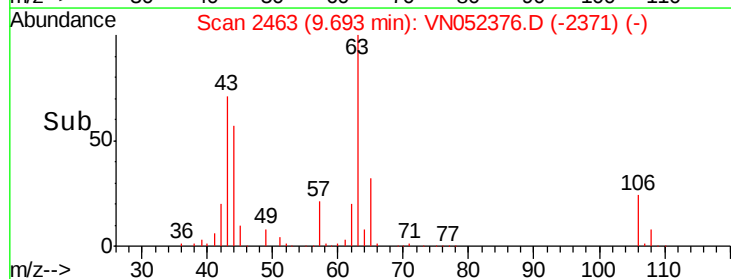
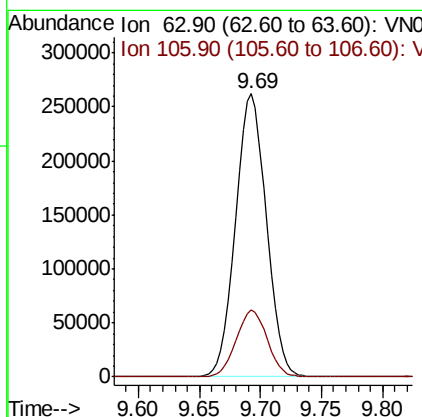
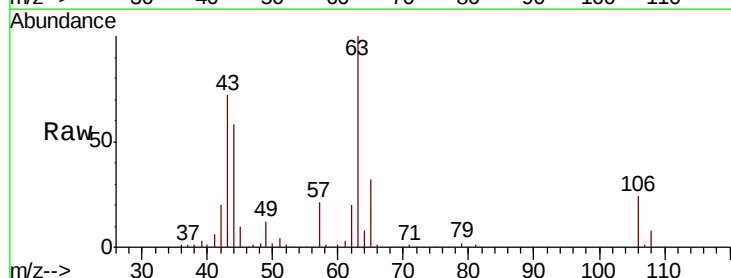
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

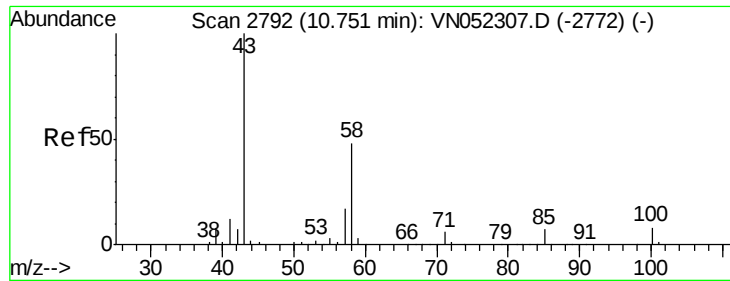
Tot Ion: 76 Resp: 215089
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.511 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 63 Resp: 458249
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.3 28.9

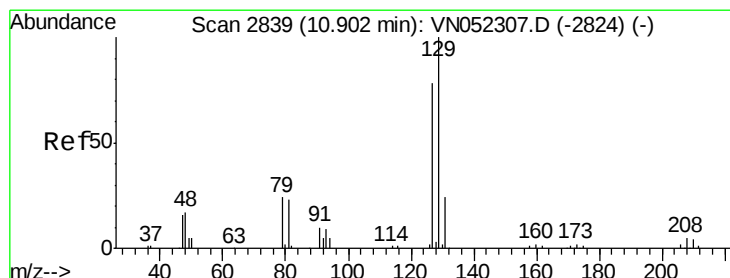
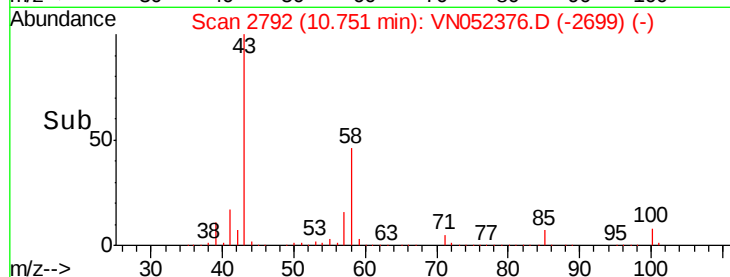
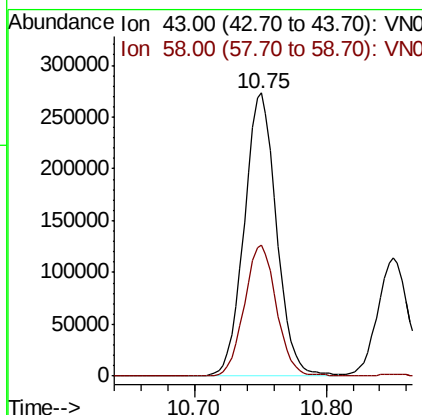
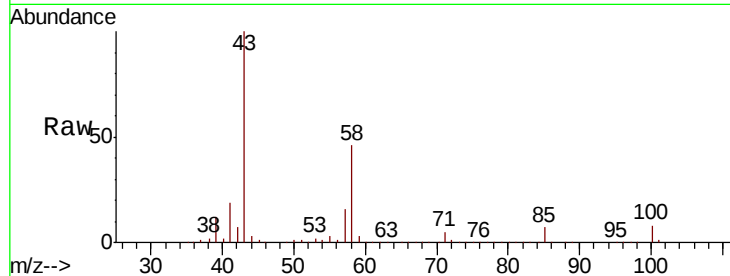




#59
2-Hexanone
Concen: 241.327 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

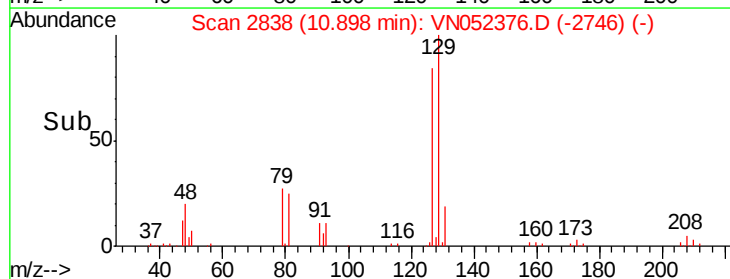
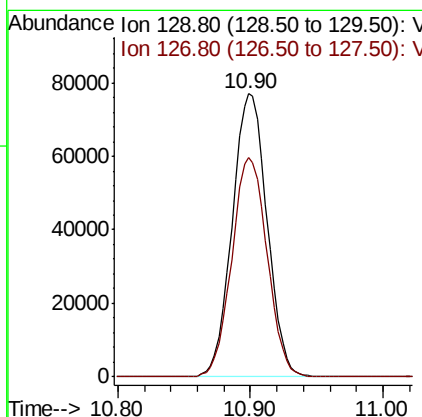
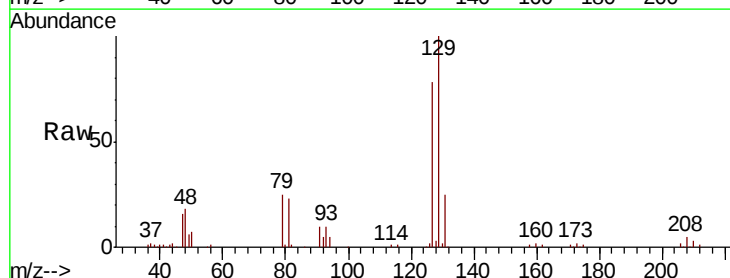
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

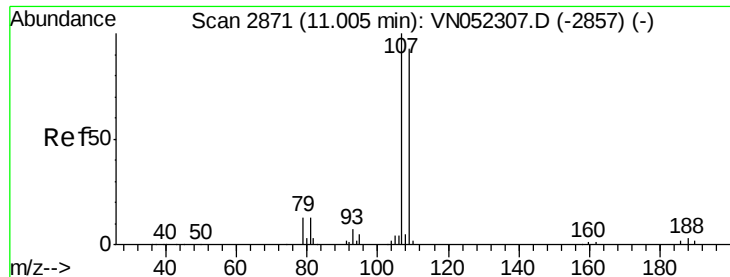
Tot Ion: 43 Resp: 459619
Ion Ratio Lower Upper
43 100
58 46.4 23.5 70.6



#60
Dibromochloromethane
Concen: 53.334 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 129 Resp: 140419
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 47.788 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

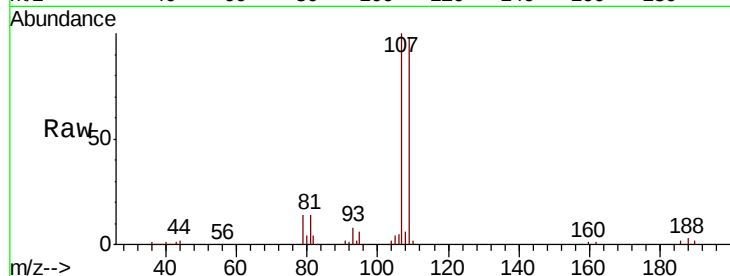
VSTDCCC050

Tot Ion:107 Resp: 115835

Ion Ratio Lower Upper

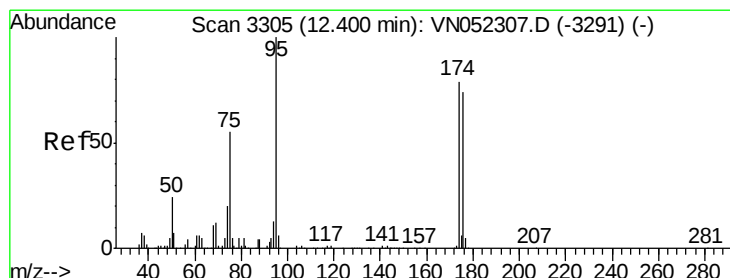
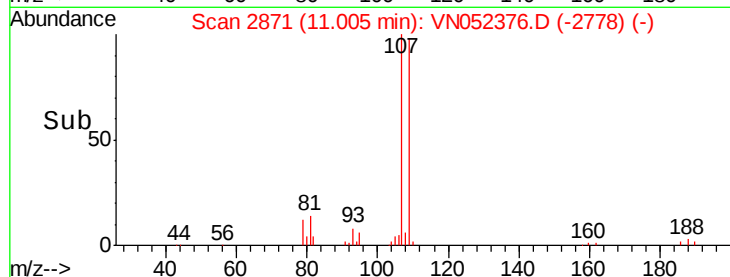
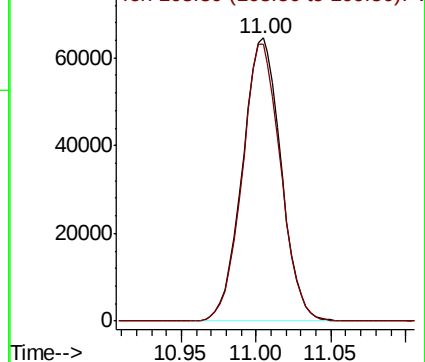
107 100

109 97.3 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.788 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

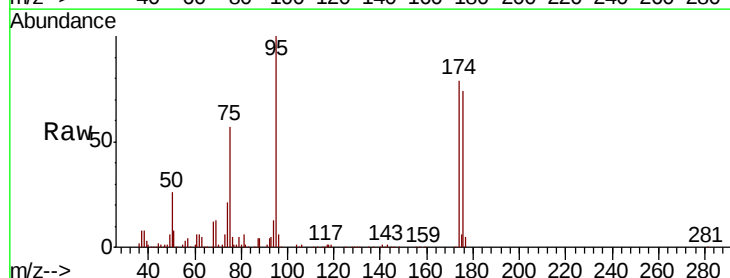
Tgt Ion: 95 Resp: 177259

Ion Ratio Lower Upper

95 100

174 77.2 0.0 156.0

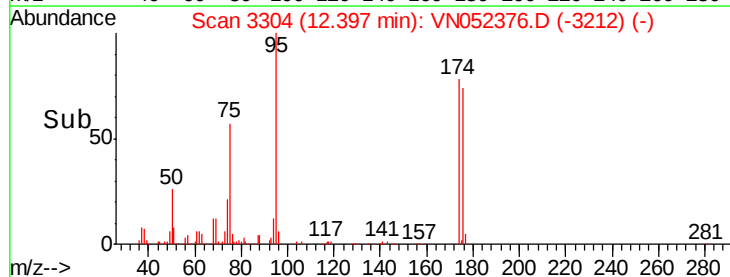
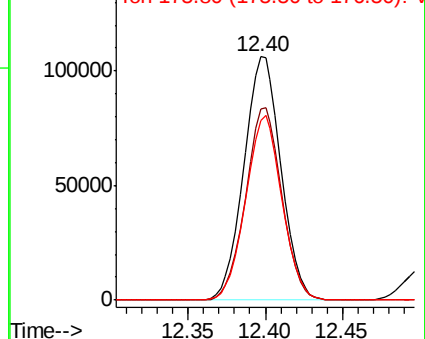
176 74.2 0.0 148.4

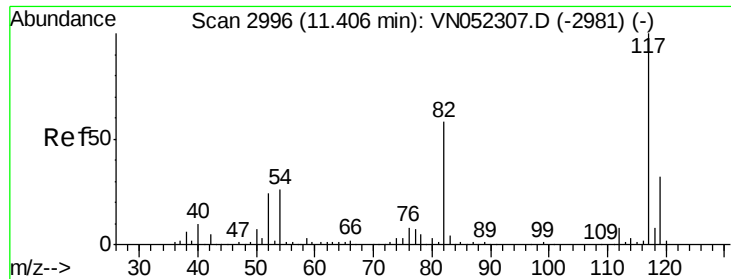


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

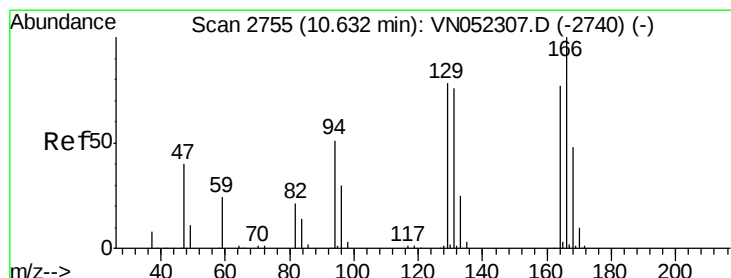
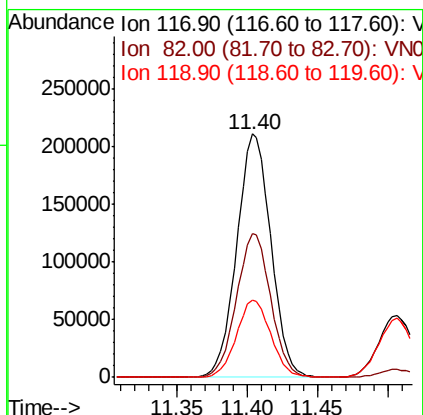
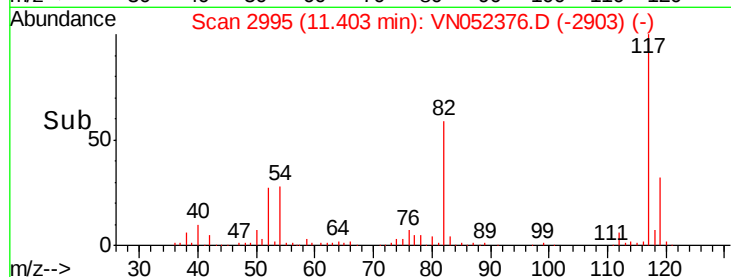
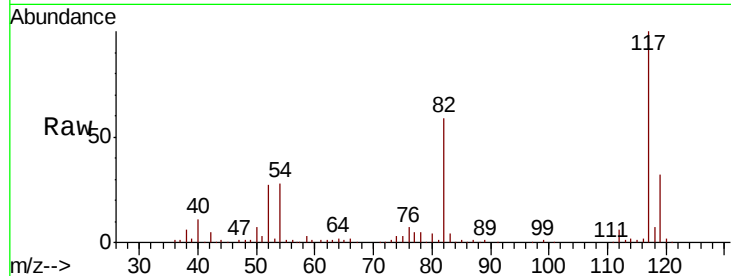




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

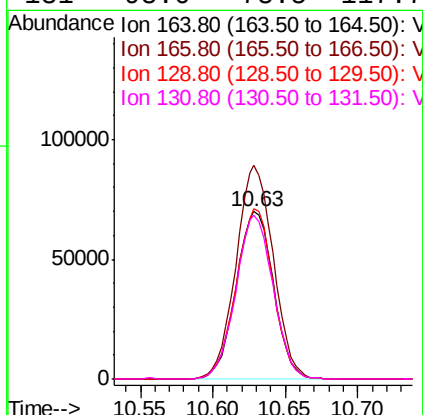
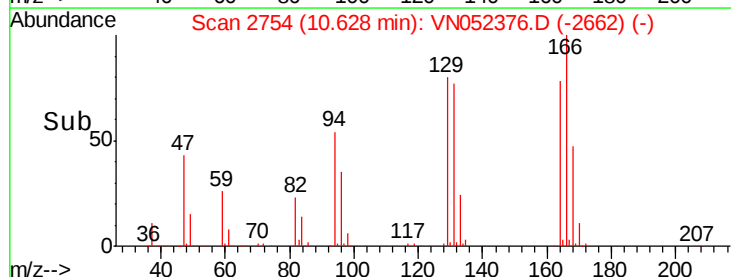
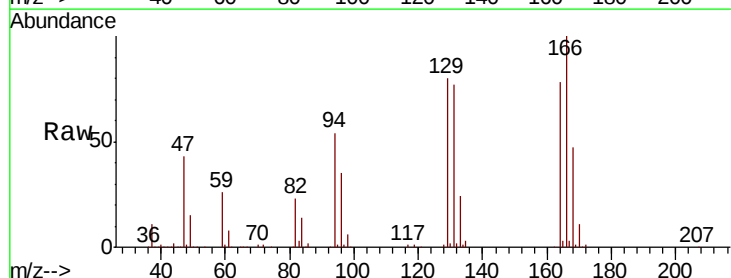
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

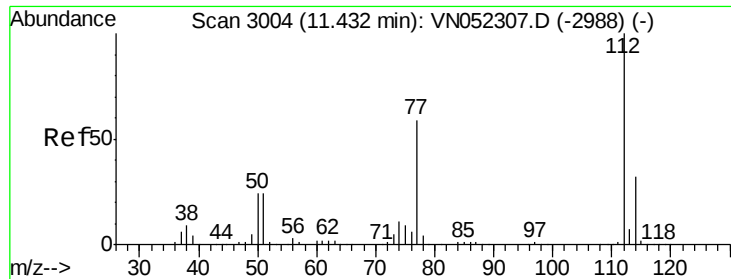
Tot Ion:117 Resp: 359155
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 49.162 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion:164 Resp: 125529
Ion Ratio Lower Upper
164 100
166 127.5 103.8 155.6
129 101.4 80.7 121.1
131 98.0 78.5 117.7

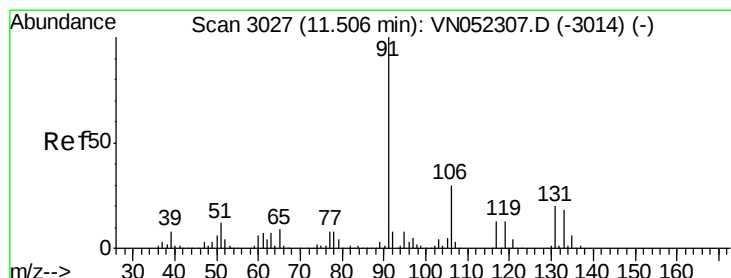
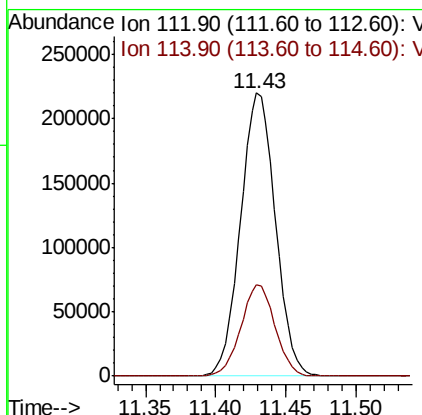
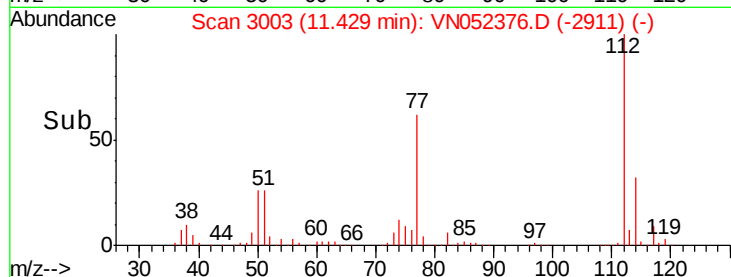
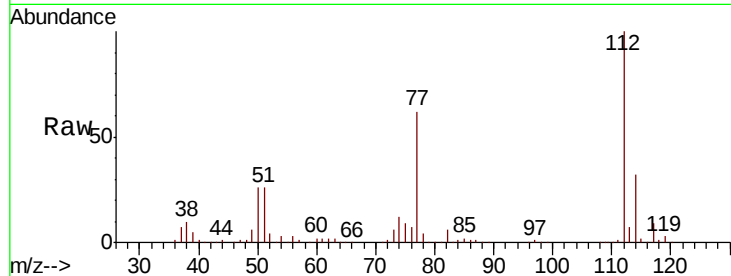




#65
Chlorobenzene
Concen: 50.216 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

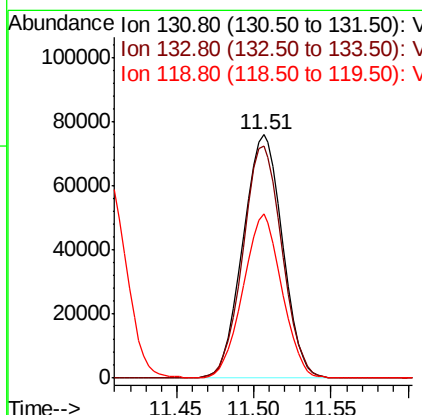
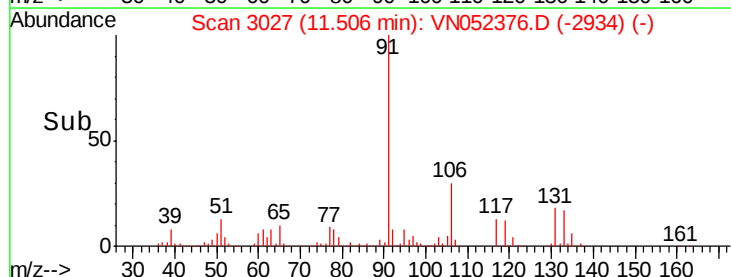
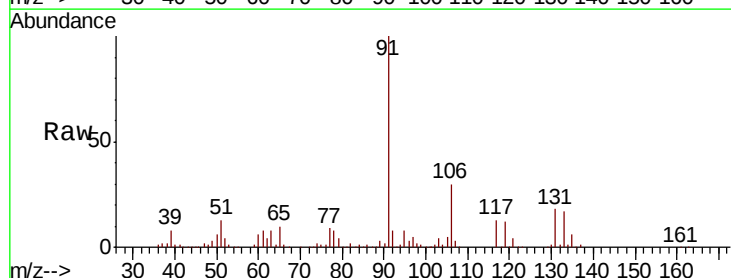
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 381220
Ion Ratio Lower Upper
112 100
114 32.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.121 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion:131 Resp: 134929
Ion Ratio Lower Upper
131 100
133 94.7 47.4 142.3
119 66.0 33.3 99.9

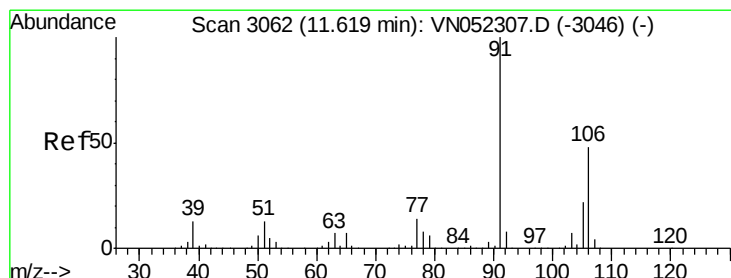
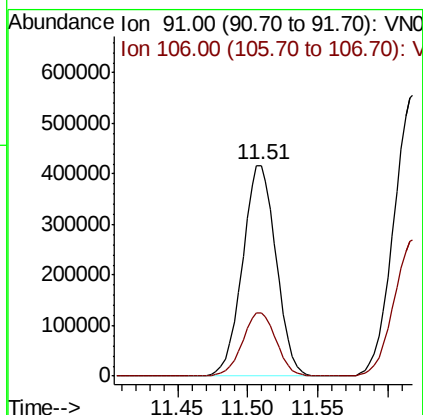
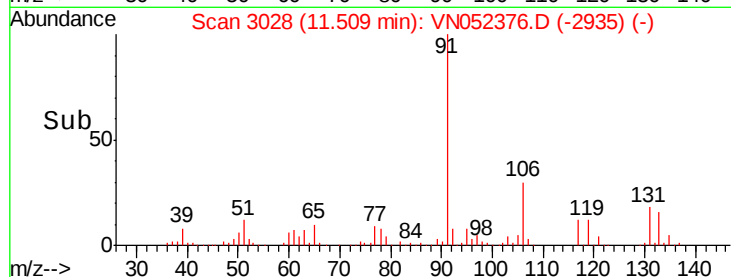
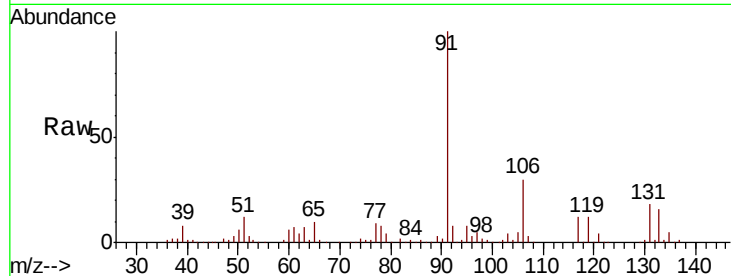




#67
Ethyl Benzene
Concen: 52.763 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

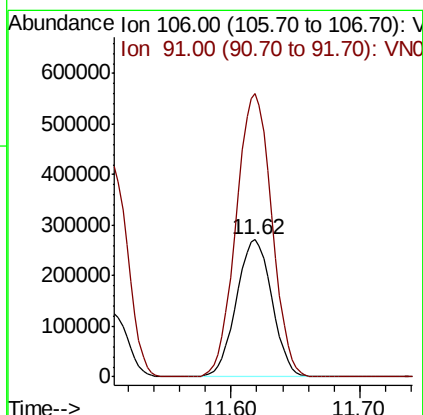
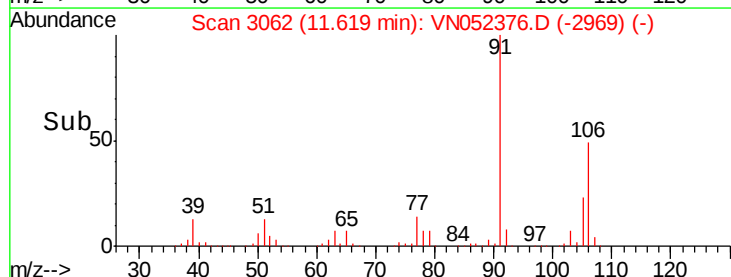
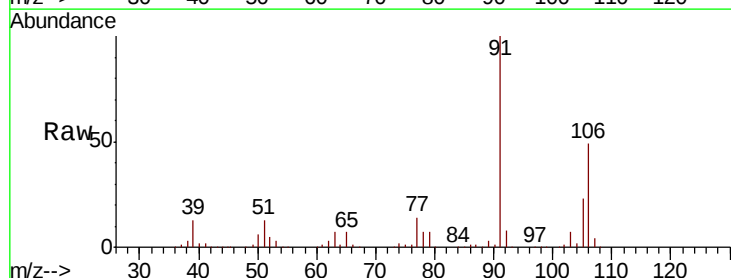
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

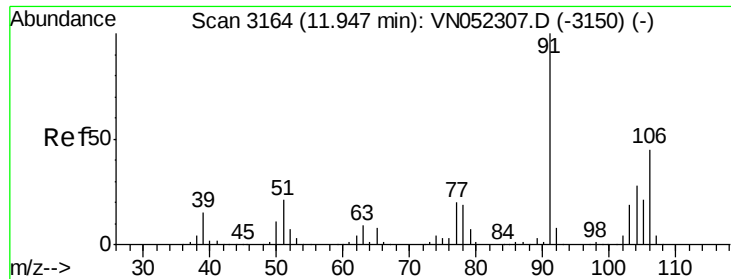
Tot Ion: 91 Resp: 695208
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2



#68
m/p-Xylenes
Concen: 108.315 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion: 106 Resp: 521455
Ion Ratio Lower Upper
106 100
91 206.5 165.5 248.3

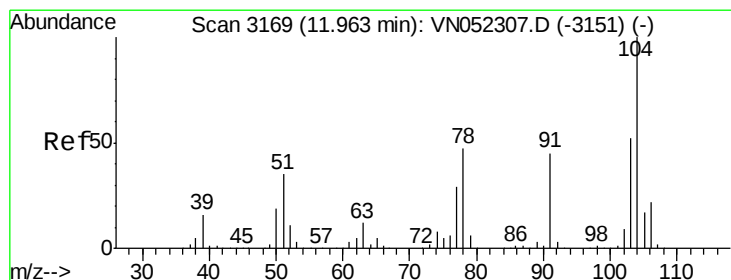
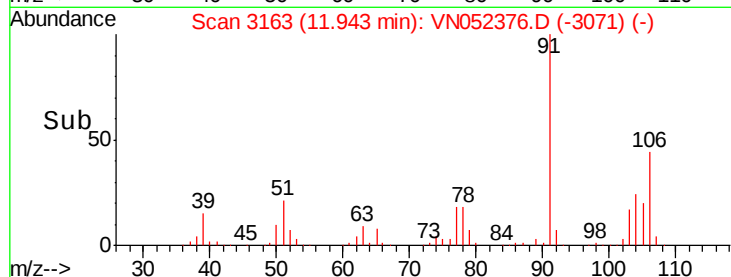
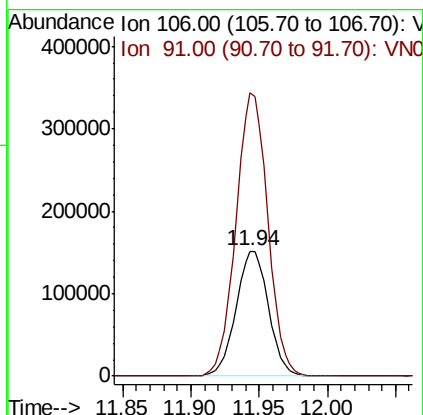
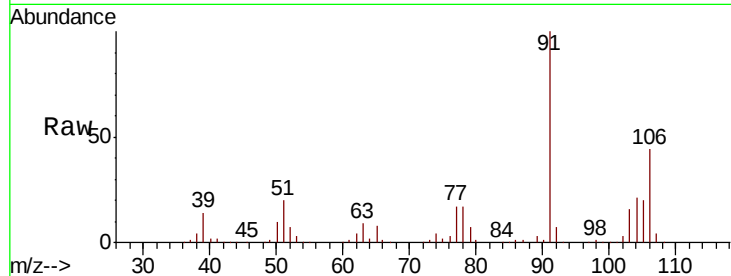




#69
o-Xylene
Concen: 54.188 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

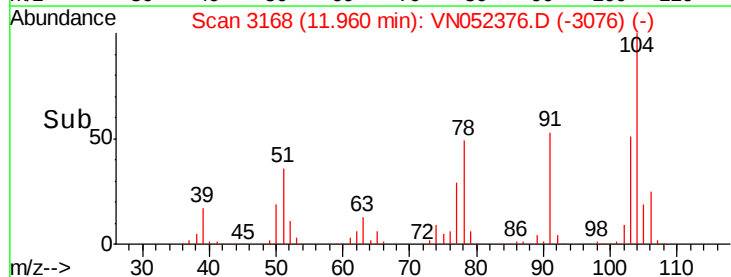
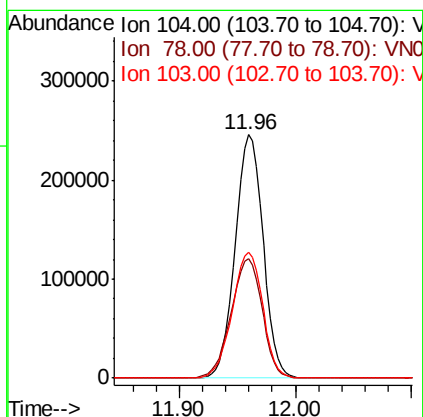
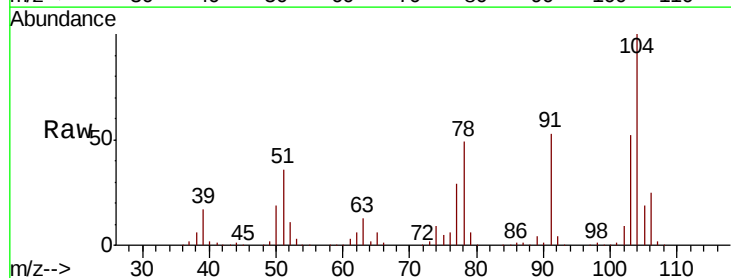
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

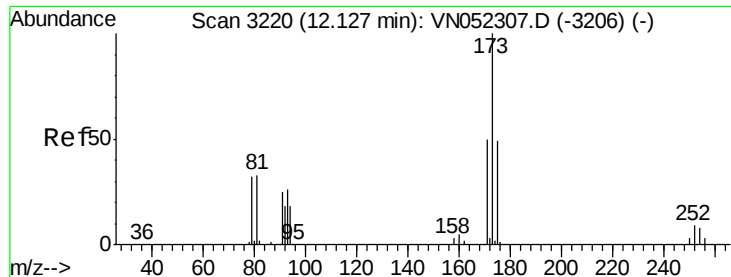
Tot Ion:106 Resp: 250068
Ion Ratio Lower Upper
106 100
91 222.7 110.0 330.0



#70
Styrene
Concen: 55.426 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion:104 Resp: 409561
Ion Ratio Lower Upper
104 100
78 54.7 42.7 64.1
103 56.4 45.4 68.0





#71

Bromoform

Concen: 56.372 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

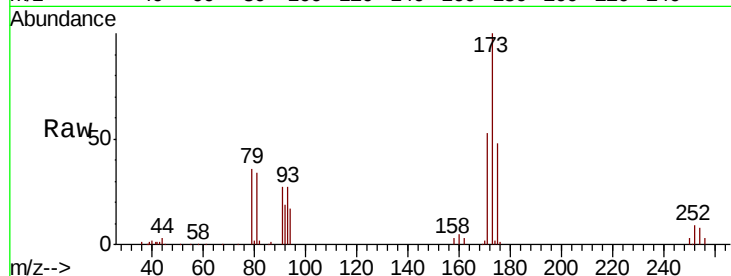
Tot Ion:173 Resp: 86164

Ion Ratio Lower Upper

173 100

175 47.7 25.0 75.0

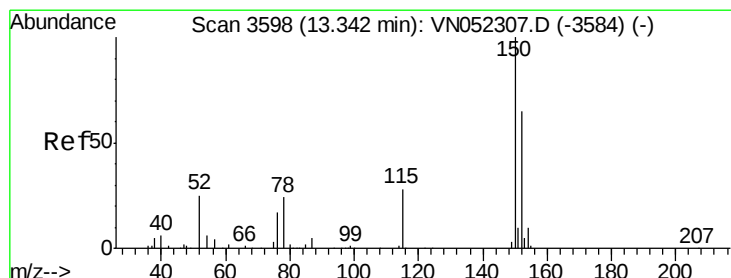
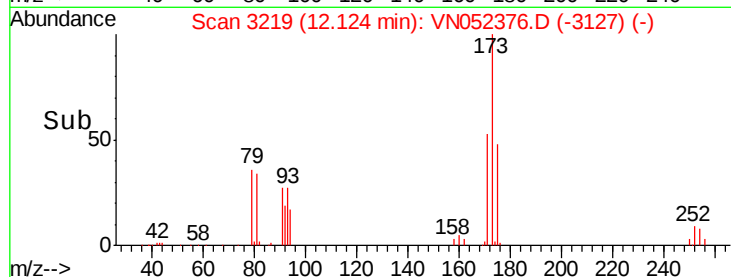
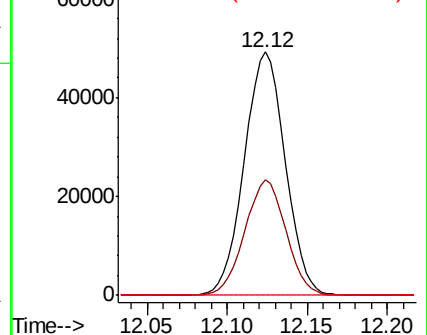
254 0.1 0.0 0.0#



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# 3597

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

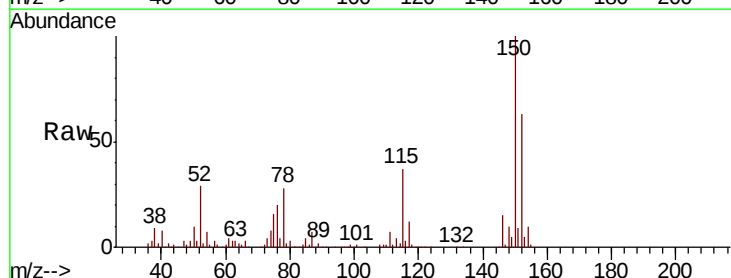
Tgt Ion:152 Resp: 172744

Ion Ratio Lower Upper

152 100

115 59.6 30.3 91.0

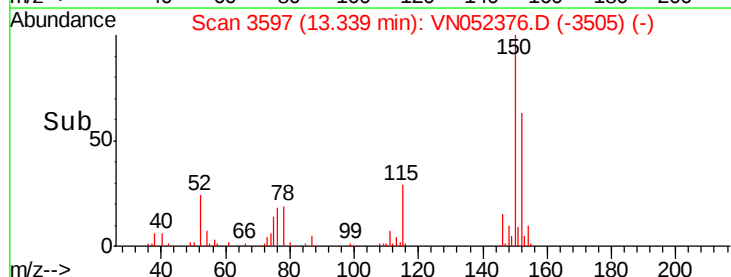
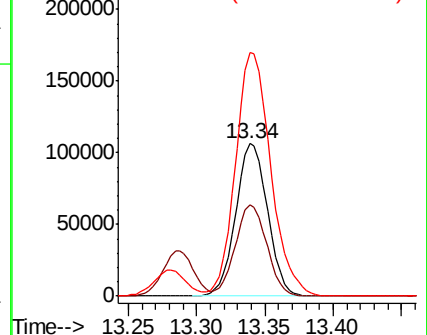
150 176.2 0.0 348.2

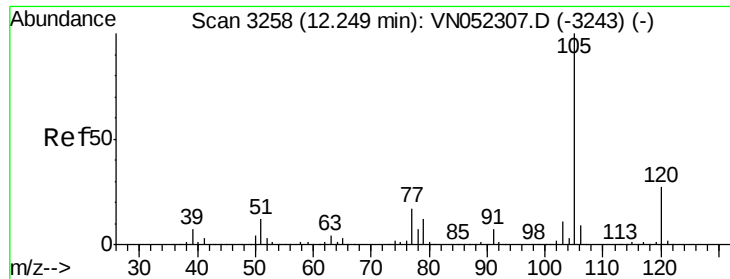


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.370 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

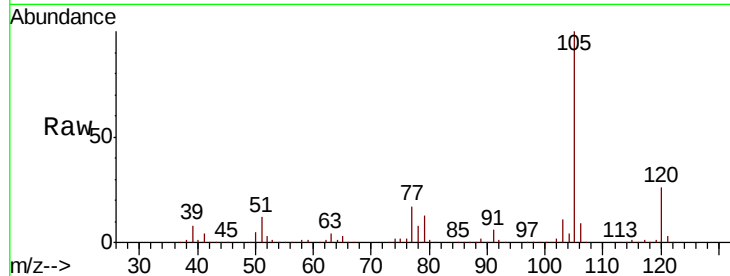
VSTDCCC050

Tot Ion:105 Resp: 685680

Ion Ratio Lower Upper

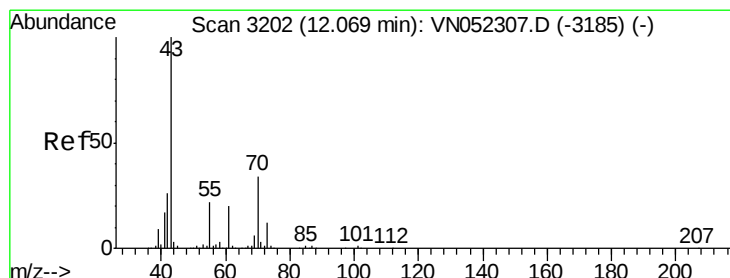
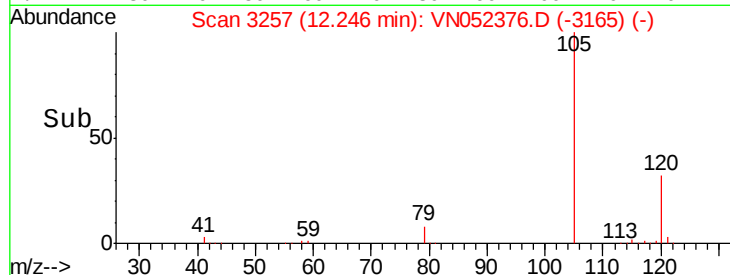
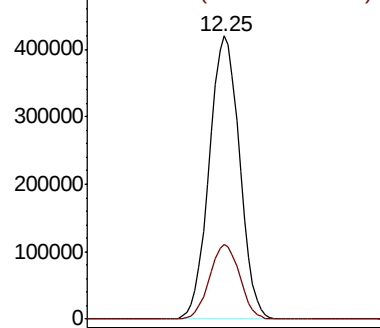
105 100

120 26.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 39.010 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Tgt Ion: 43 Resp: 192974

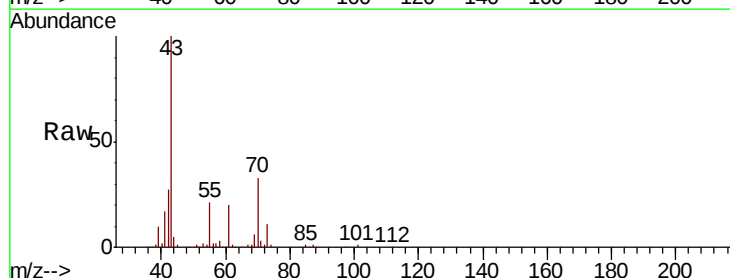
Ion Ratio Lower Upper

43 100

70 33.5 27.1 40.7

55 21.8 17.4 26.0

61 20.5 16.1 24.1

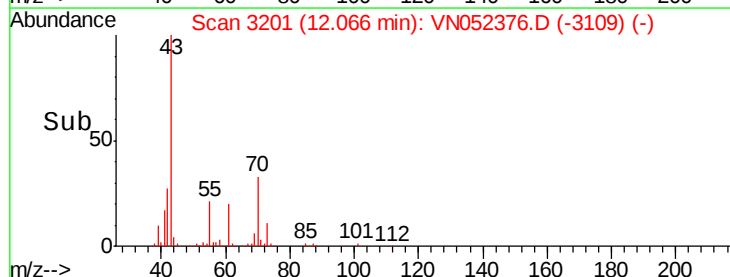
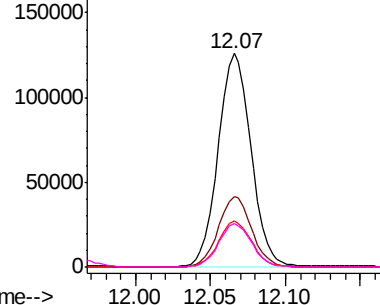


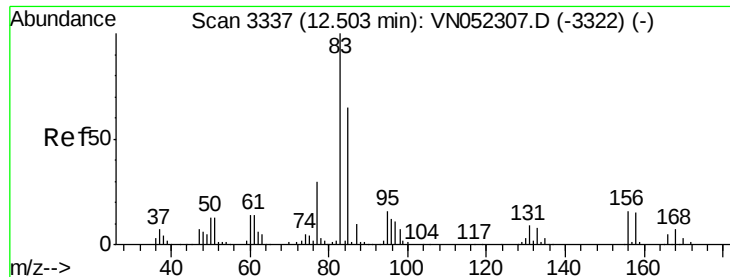
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.888 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

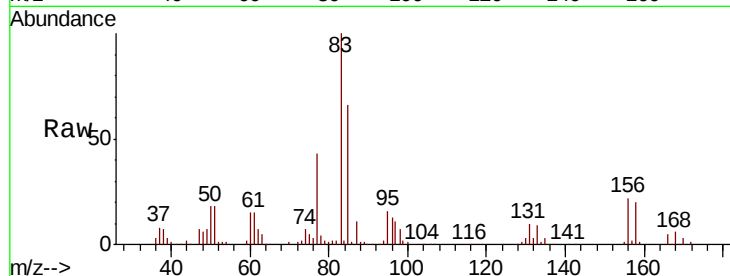
Tot Ion: 83 Resp: 147349

Ion Ratio Lower Upper

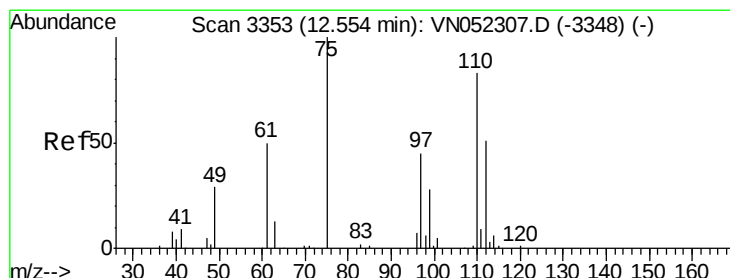
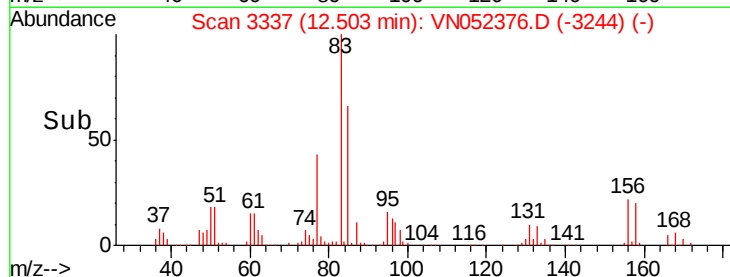
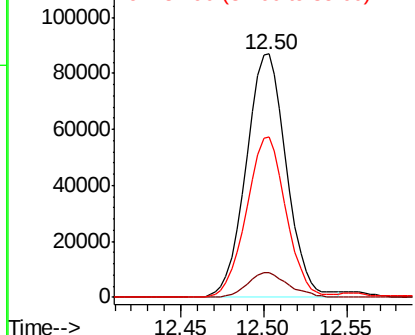
83 100

131 10.4 4.7 14.1

85 64.5 32.4 97.2



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



#76

1,2,3-Trichloropropane

Concen: 67.338 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052376.D

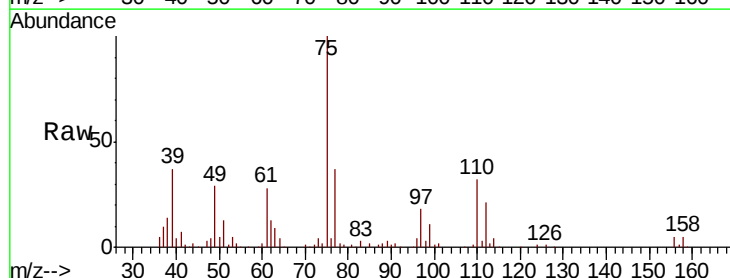
Acq: 19 Nov 2018 10:18

Tgt Ion: 75 Resp: 197376

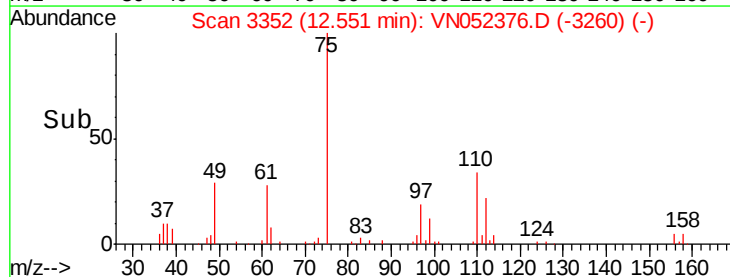
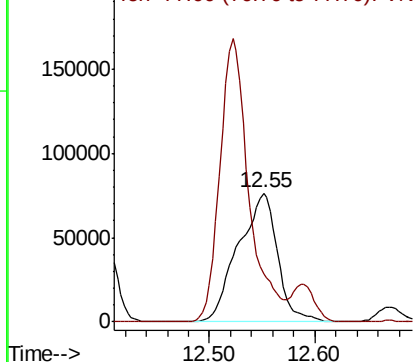
Ion Ratio Lower Upper

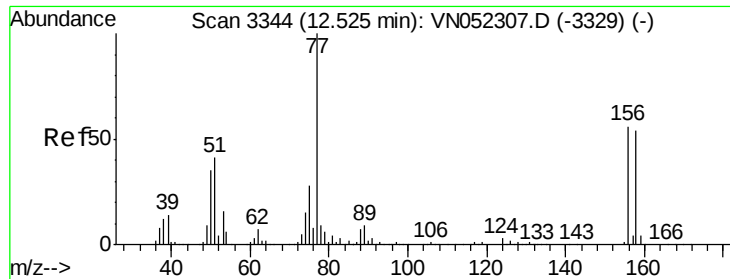
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 47.571 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

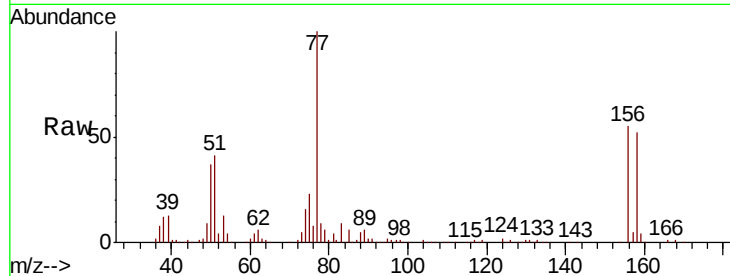
Tot Ion:156 Resp: 153726

Ion Ratio Lower Upper

156 100

77 210.0 103.6 310.9

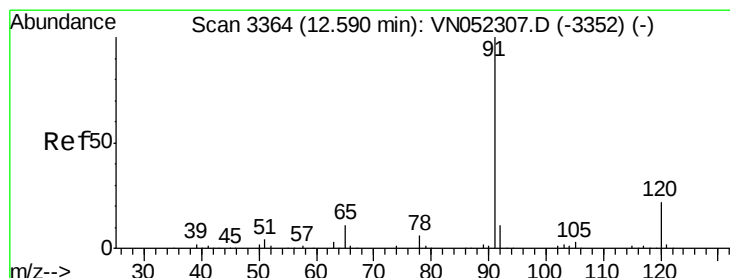
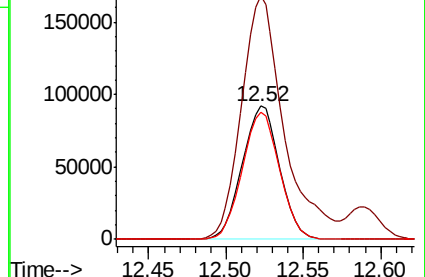
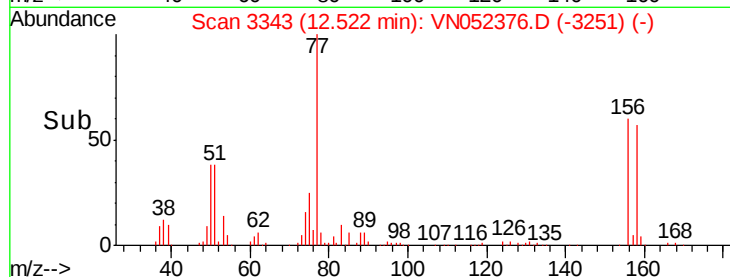
158 95.6 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.055 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN052376.D

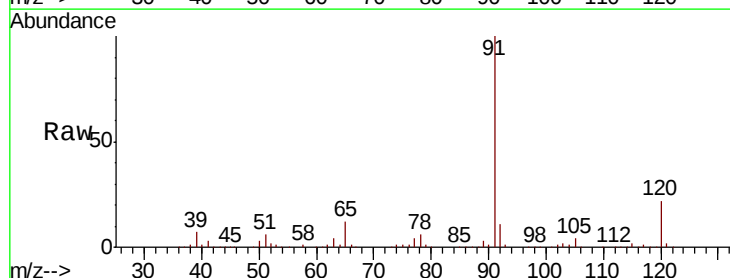
Acq: 19 Nov 2018 10:18

Tgt Ion: 91 Resp: 829287

Ion Ratio Lower Upper

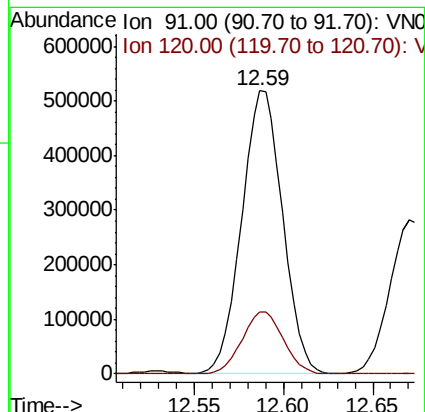
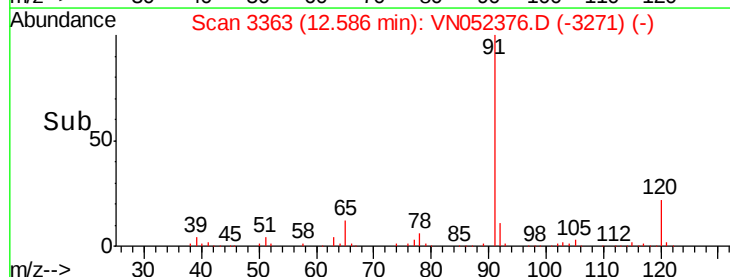
91 100

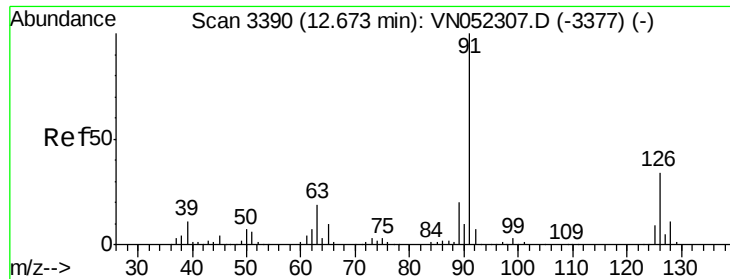
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

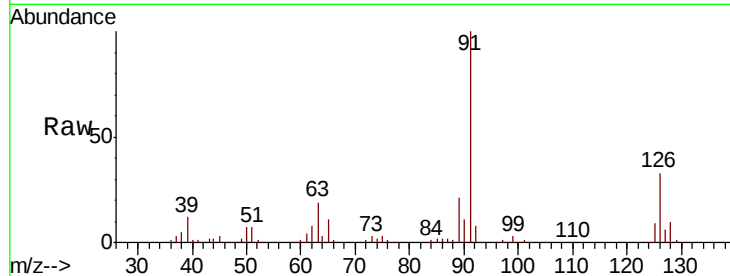




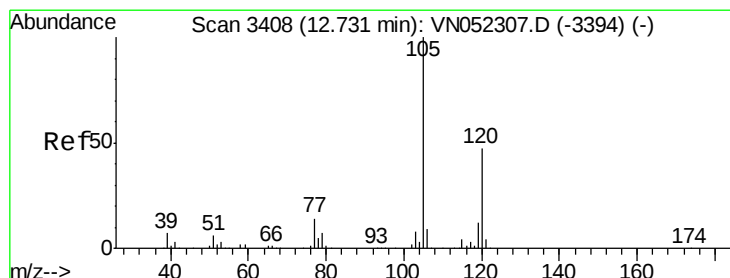
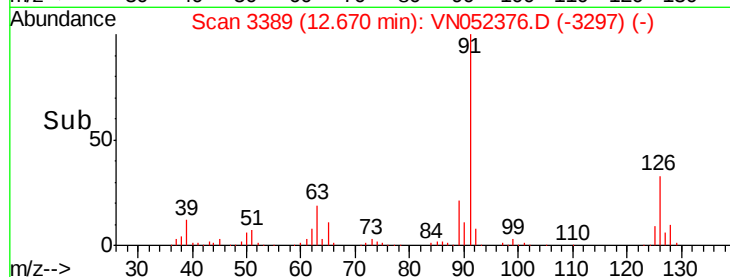
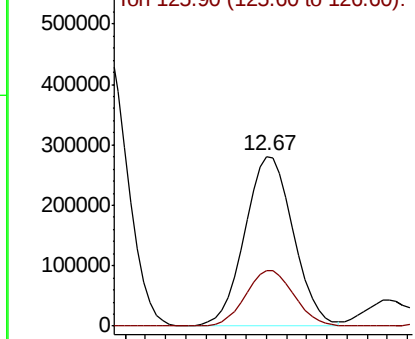
#79
 2-Chlorotoluene
 Concen: 49.614 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 470782
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.0 51.0

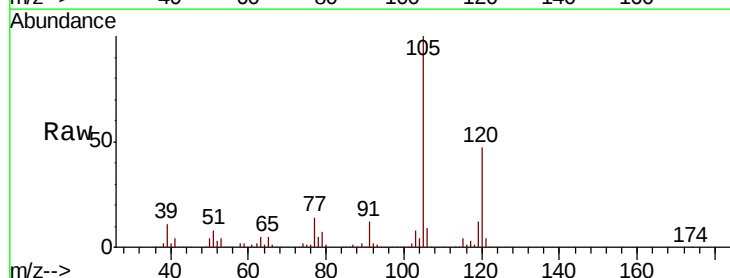


Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

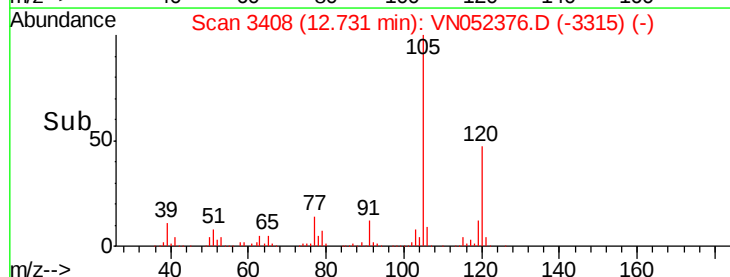
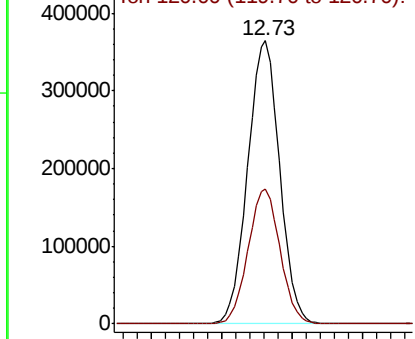


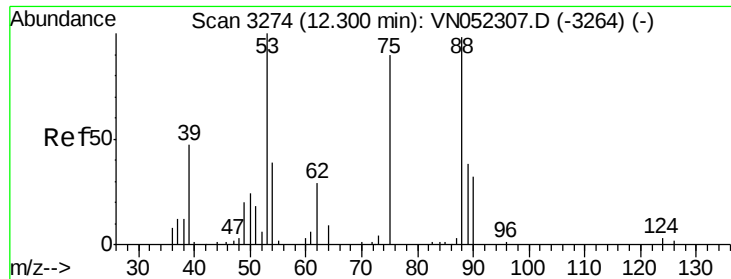
#80
 1,3,5-Trimethylbenzene
 Concen: 52.290 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion: 105 Resp: 577523
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)
 Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.850 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

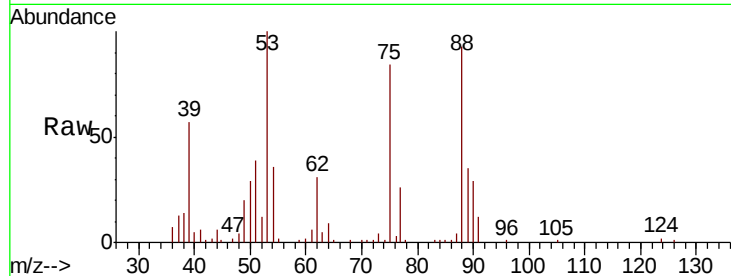
Tot Ion: 75 Resp: 40532

Ion Ratio Lower Upper

75 100

53 121.4 90.2 135.2

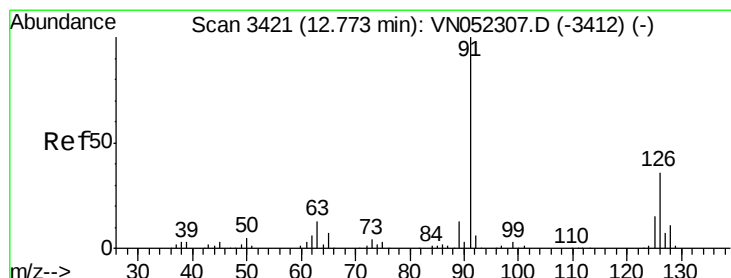
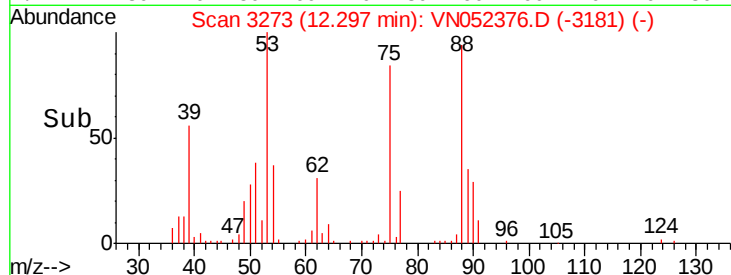
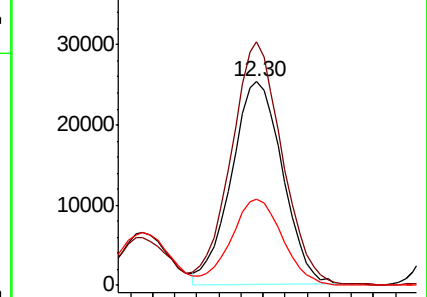
89 43.2 35.4 53.0



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: 50.708 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052376.D

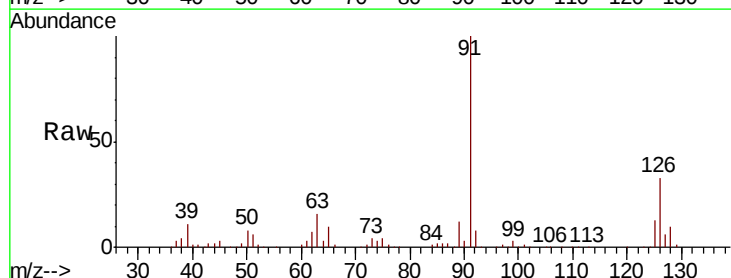
Acq: 19 Nov 2018 10:18

Tgt Ion: 91 Resp: 492958

Ion Ratio Lower Upper

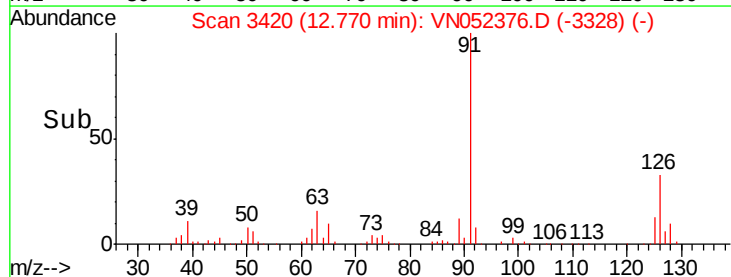
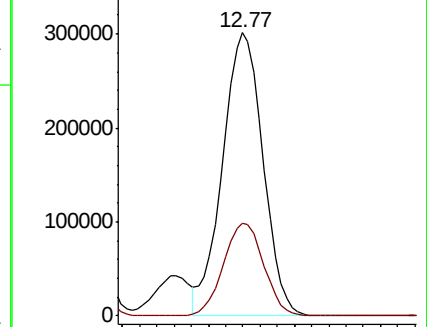
91 100

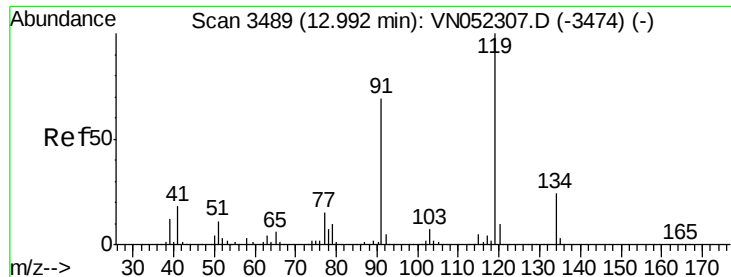
126 32.7 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

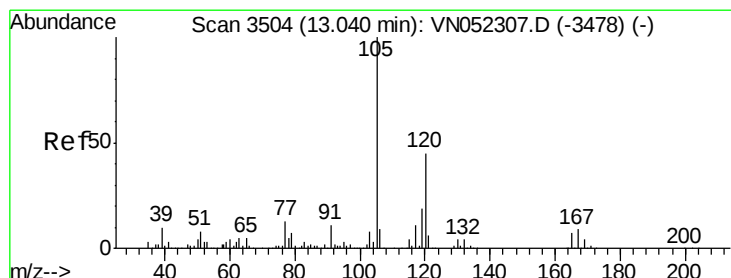
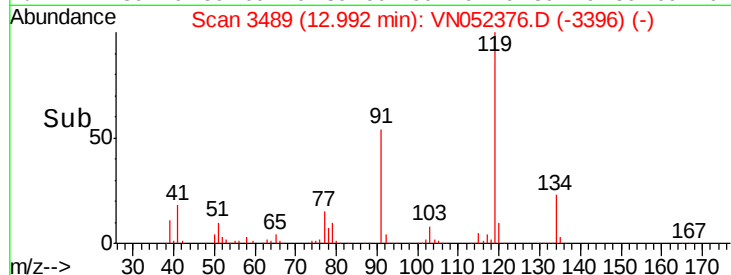
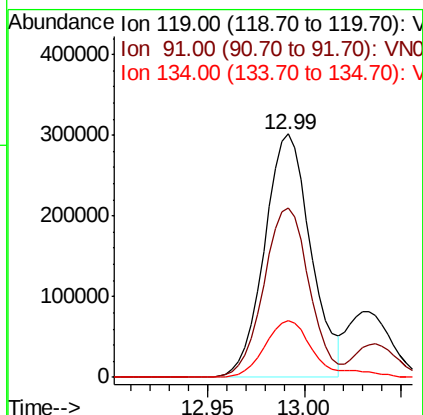
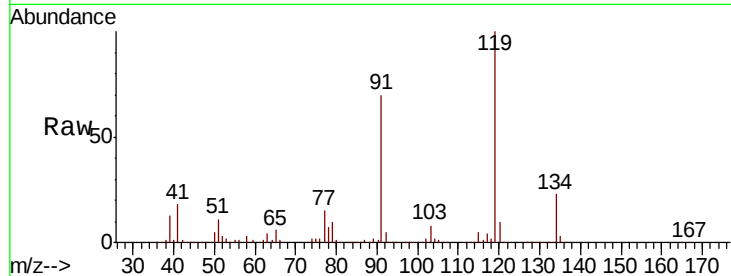




#83
tert-Butylbenzene
Concen: 51.699 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

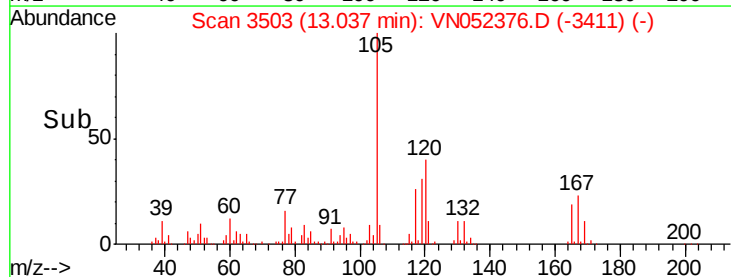
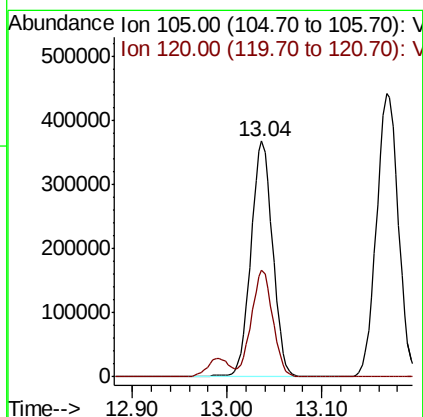
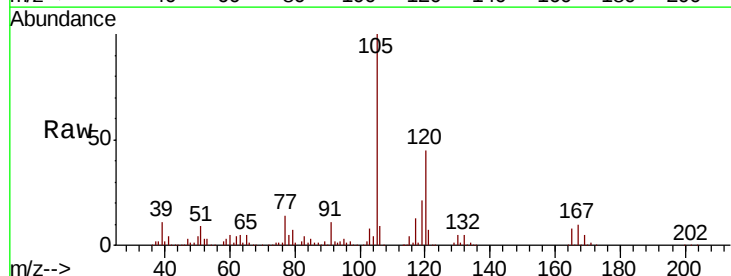
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

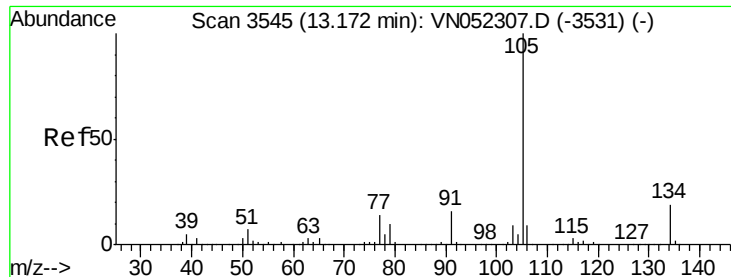
Tot Ion:119 Resp: 504106
Ion Ratio Lower Upper
119 100
91 68.1 33.8 101.3
134 25.1 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 52.859 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052376.D
Acq: 19 Nov 2018 10:18

Tgt Ion:105 Resp: 586082
Ion Ratio Lower Upper
105 100
120 44.7 22.5 67.5

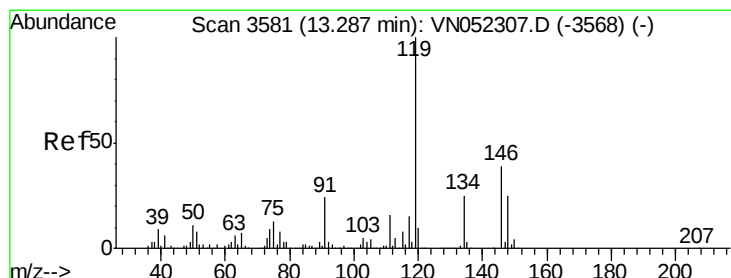
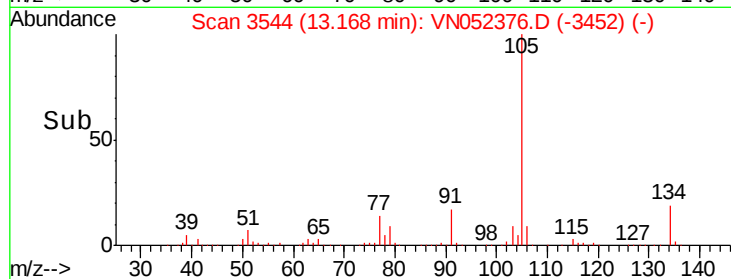
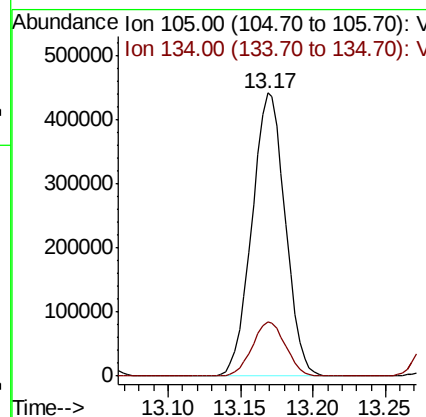
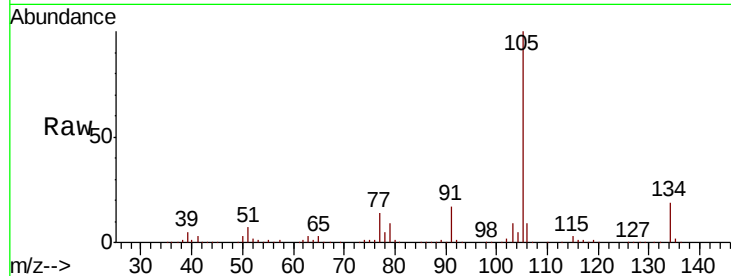




#85
 sec-Butylbenzene
 Concen: 52.976 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

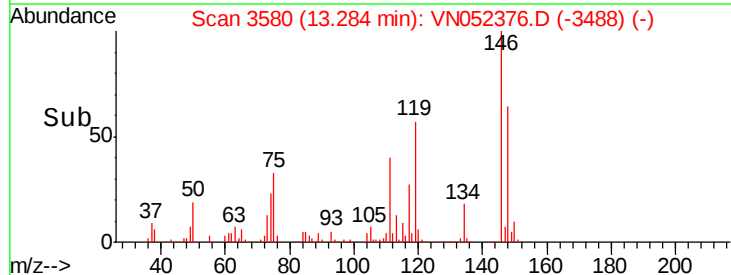
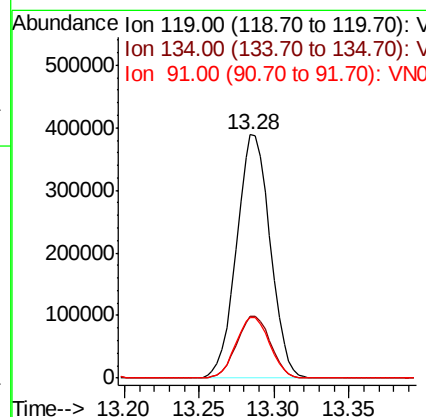
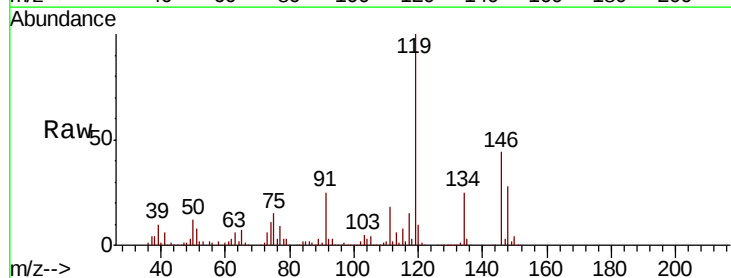
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

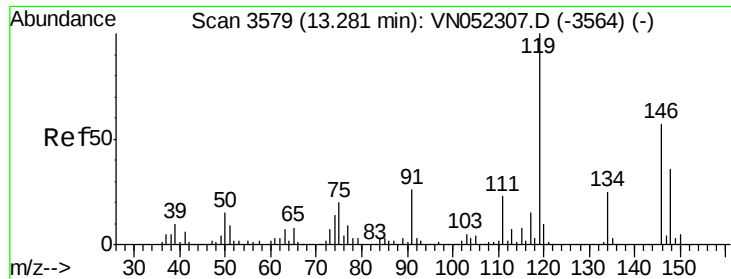
Tot Ion:105 Resp: 703667
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 53.874 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion:119 Resp: 606167
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 25.3 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 50.861 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

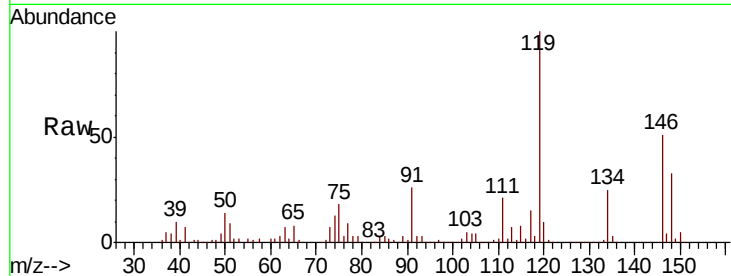
Tot Ion:146 Resp: 291903

Ion Ratio Lower Upper

146 100

111 41.9 20.3 61.0

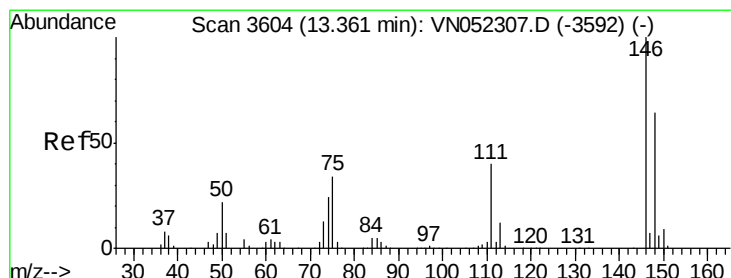
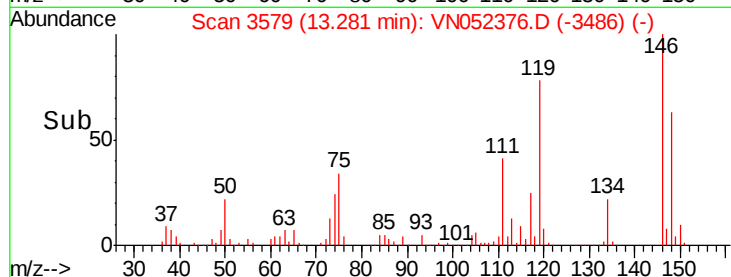
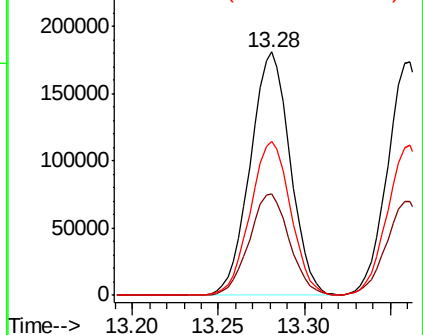
148 64.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.183 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

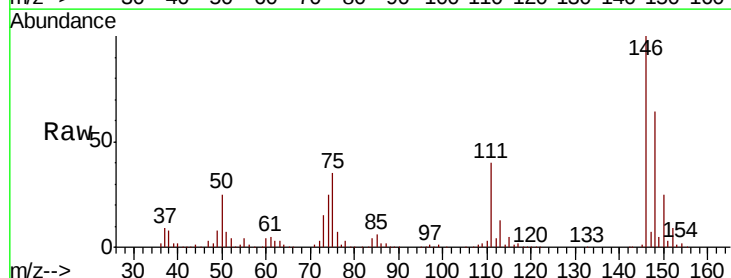
Tgt Ion:146 Resp: 286339

Ion Ratio Lower Upper

146 100

111 40.3 20.6 61.8

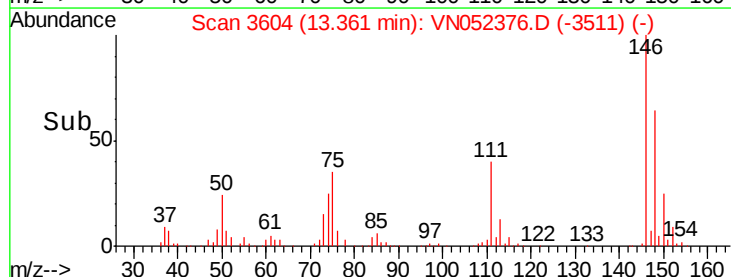
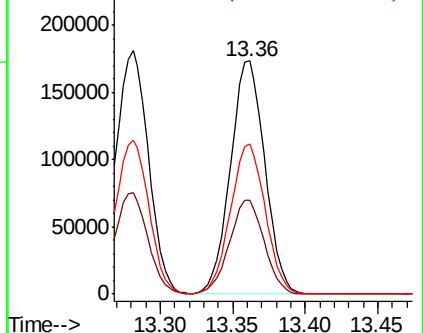
148 64.9 32.4 97.2

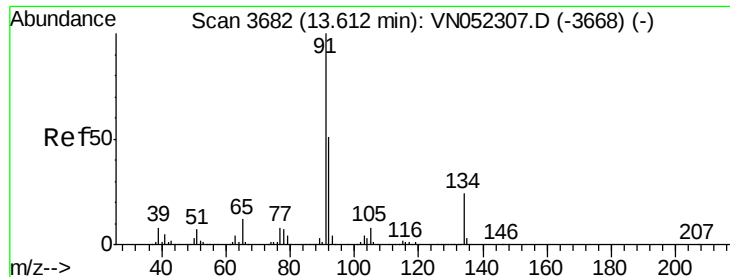


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 57.314 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

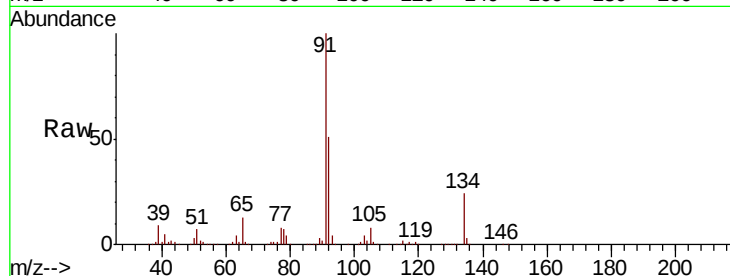
Tot Ion: 91 Resp: 553864

Ion Ratio Lower Upper

91 100

92 50.6 25.4 76.2

134 23.8 12.2 36.4

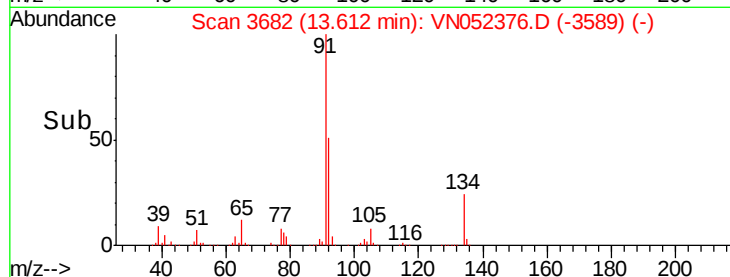


Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)

Time-->

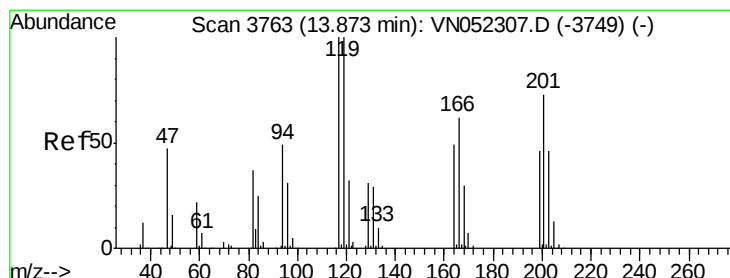


Abundance Ion 91.00 (90.70 to 91.70): VN052376.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN052376.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN052376.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 53.659 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052376.D

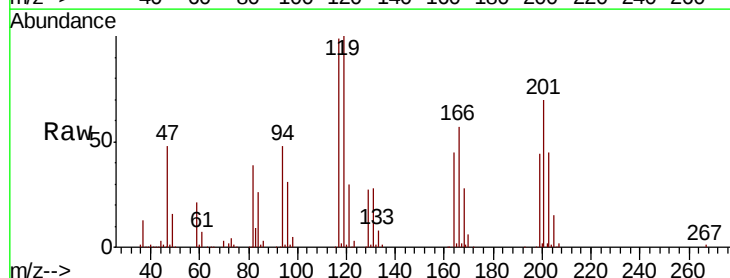
Acq: 19 Nov 2018 10:18

Tgt Ion: 117 Resp: 106936

Ion Ratio Lower Upper

117 100

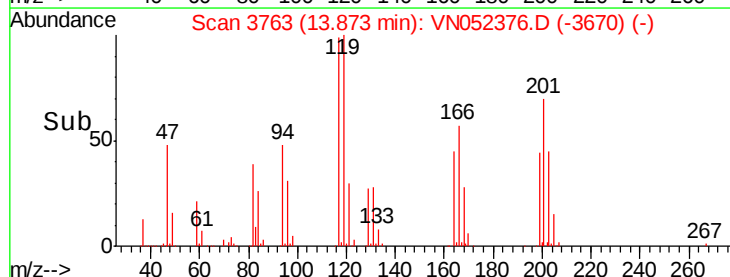
201 69.4 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)

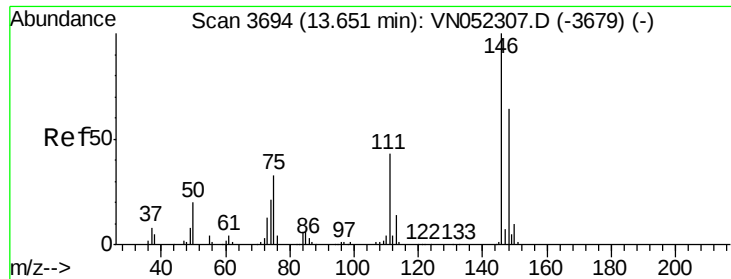
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN052376.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN052376.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 49.849 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

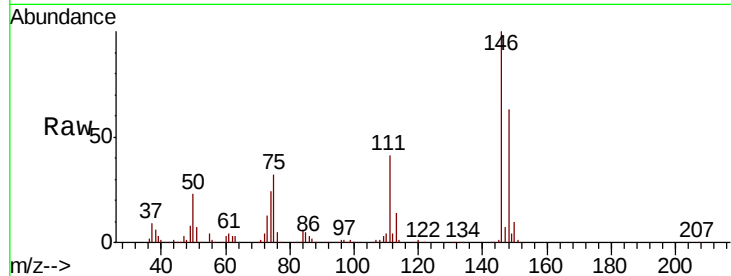
Tot Ion:146 Resp: 277177

Ion Ratio Lower Upper

146 100

111 41.9 21.3 63.9

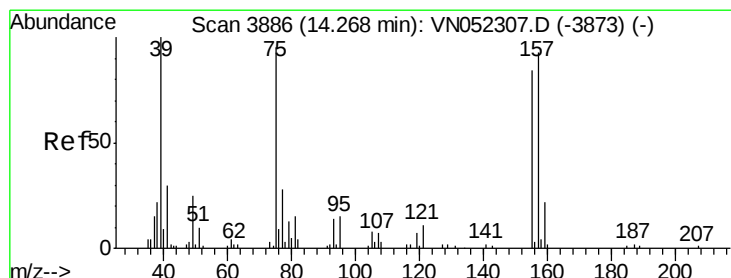
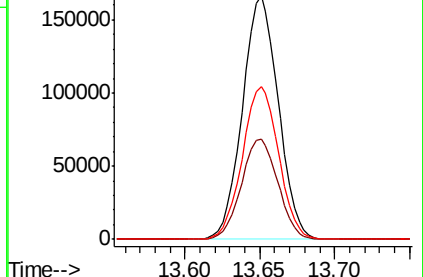
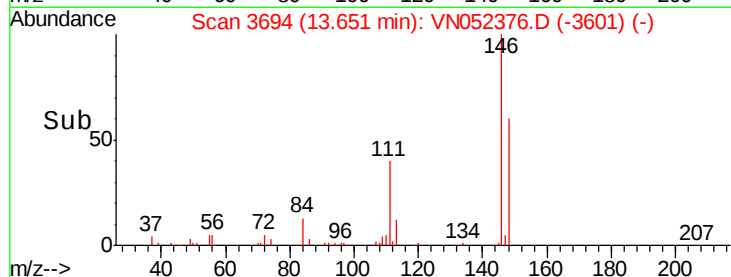
148 63.5 31.6 94.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.494 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

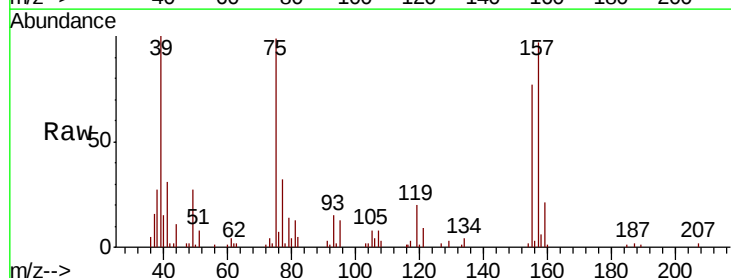
Tgt Ion: 75 Resp: 23513

Ion Ratio Lower Upper

75 100

155 75.1 42.4 127.3

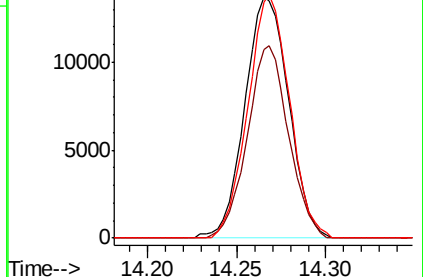
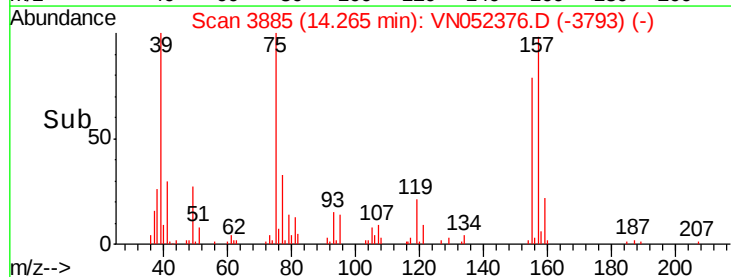
157 95.7 49.6 149.0

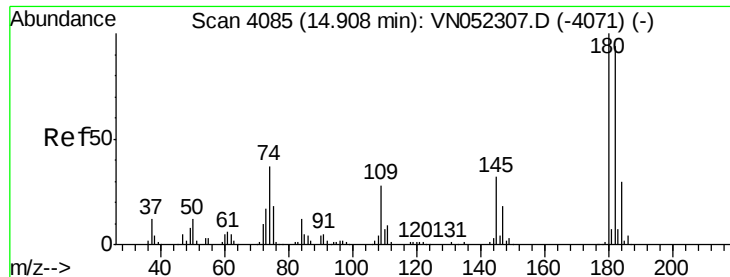


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

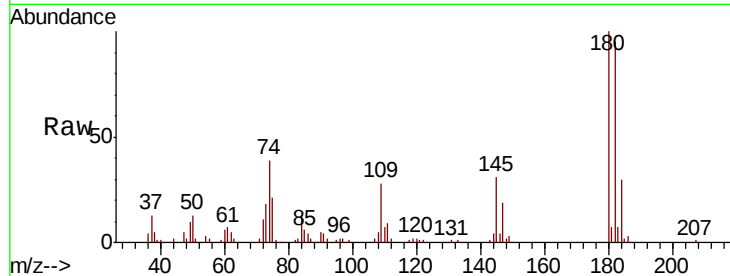




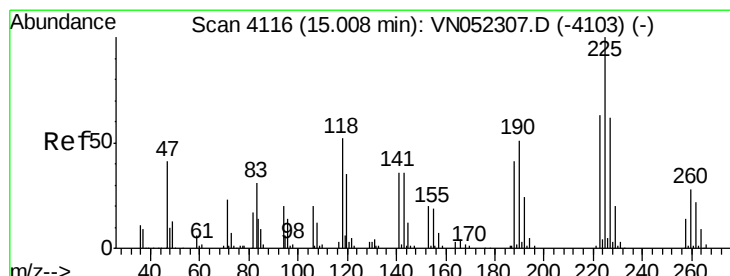
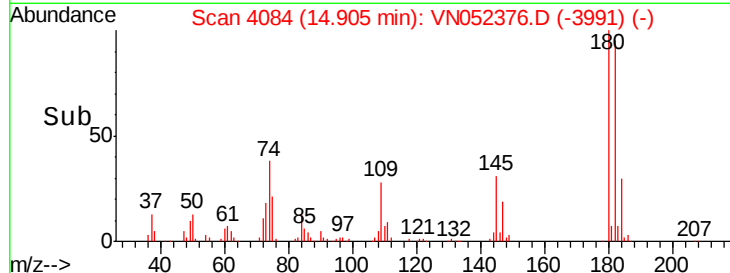
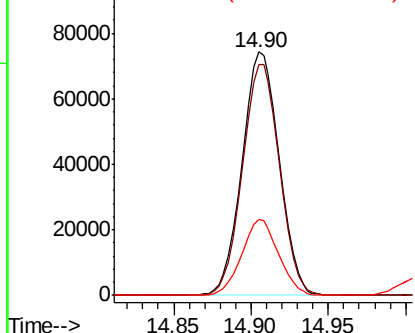
#93
 1,2,4-Trichlorobenzene
 Concen: 48.039 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 124046
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.9
 145 30.8 15.5 46.5

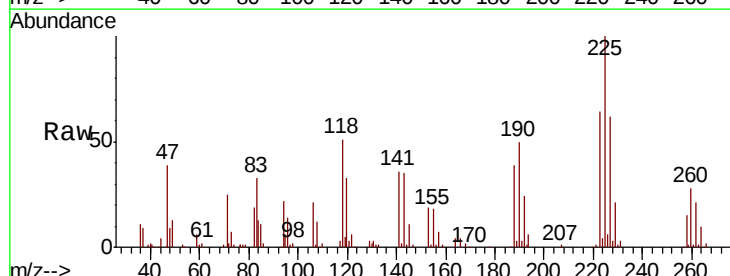


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

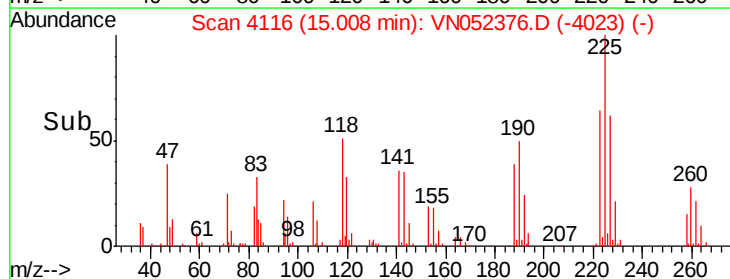
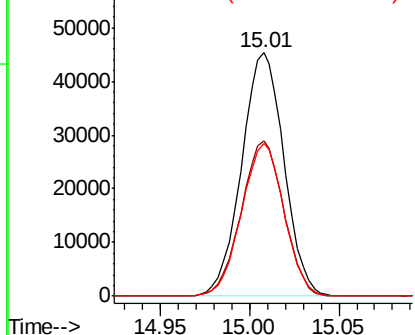


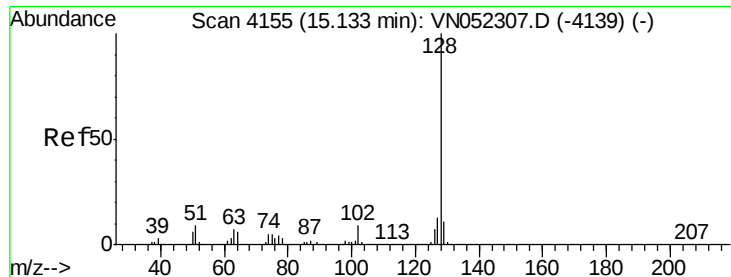
#94
 Hexachlorobutadiene
 Concen: 59.277 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052376.D
 Acq: 19 Nov 2018 10:18

Tgt Ion:225 Resp: 75440
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.9 95.5
 227 62.9 31.6 95.0



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





#95

Naphthalene

Concen: 43.046 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

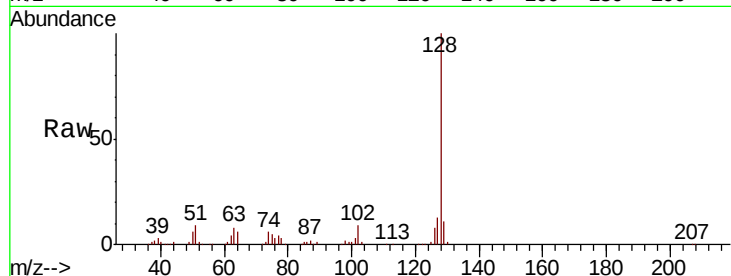
Tot Ion:128 Resp: 260889

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

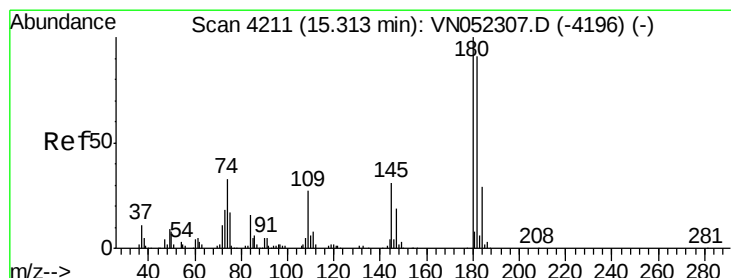
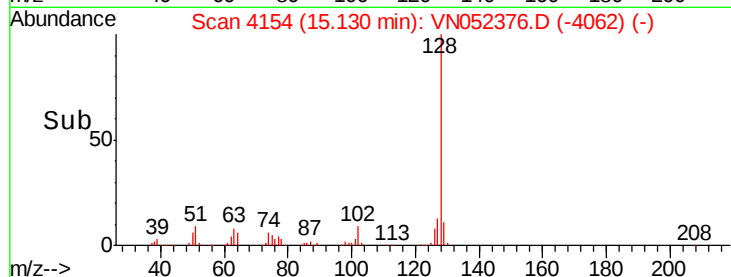
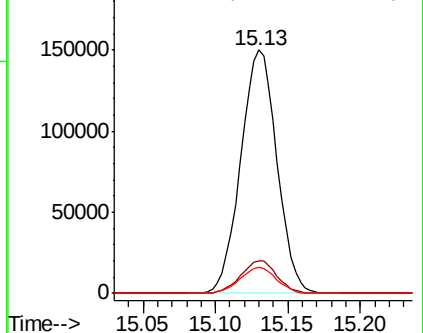
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.996 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052376.D

Acq: 19 Nov 2018 10:18

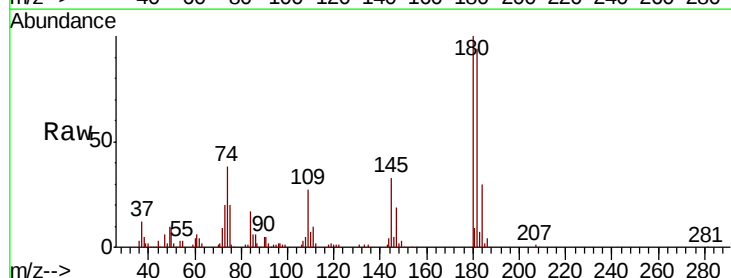
Tgt Ion:180 Resp: 107746

Ion Ratio Lower Upper

180 100

182 94.5 46.5 139.3

145 33.1 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

