

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050319\
 Data File : VN055376.D
 Acq On : 3 May 2019 9:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: May 03 23:17:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	426270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	655797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	260302	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	7.59	113	213469	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	10.09	98	769031	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	257403	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	238678	45.700	ug/l	100
3) Chloromethane	2.06	50	259018	40.052	ug/l	100
4) Vinyl Chloride	2.19	62	234697	45.022	ug/l	99
5) Bromomethane	2.57	94	125441	45.429	ug/l	97
6) Chloroethane	2.71	64	131261	46.480	ug/l	100
7) Trichlorofluoromethane	3.02	101	341291	46.042	ug/l	98
8) Diethyl Ether	3.41	74	121443	46.827	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	211380	47.887	ug/l	98
10) Methyl Iodide	3.96	142	284406	45.782	ug/l	98
11) Tert butyl alcohol	4.79	59	65983	206.665	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	195322	46.386	ug/l	99
13) Acrolein	3.61	56	39070	156.693	ug/l	100
14) Allyl chloride	4.33	41	416544	47.763	ug/l	98
15) Acrylonitrile	4.99	53	408803	227.795	ug/l	98
16) Acetone	3.82	43	433670	249.581	ug/l	97
17) Carbon Disulfide	4.06	76	461961	42.038	ug/l	99
18) Methyl Acetate	4.33	43	197584	46.609	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	564293	47.669	ug/l	100
20) Methylene Chloride	4.55	84	226850	42.772	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	202873	45.492	ug/l	99
22) Diisopropyl ether	5.95	45	853850	49.276	ug/l	97
23) Vinyl Acetate	5.90	43	2750647	242.205	ug/l	99
24) 1,1-Dichloroethane	5.85	63	438745	47.522	ug/l	99
25) 2-Butanone	6.84	43	524243	235.917	ug/l	97
26) 2,2-Dichloropropane	6.82	77	307919	48.298	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	240930	47.508	ug/l	97
28) Bromochloromethane	7.19	49	214457	46.082	ug/l	99
29) Tetrahydrofuran	7.21	42	323199	227.140	ug/l	99
30) Chloroform	7.37	83	412146	47.092	ug/l	99
31) Cyclohexane	7.65	56	395213	45.055	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	328073	46.188	ug/l	99
36) 1,1-Dichloropropene	7.79	75	307404	48.938	ug/l	99
37) Ethyl Acetate	6.93	43	215356	44.733	ug/l	100
38) Carbon Tetrachloride	7.77	117	283736	46.826	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	334811	50.132	ug/l	99
40) Benzene	8.04	78	892468	48.196	ug/l	100
41) Methacrylonitrile	7.17	41	127849	49.082	ug/l	97
42) 1,2-Dichloroethane	8.12	62	310891	47.402	ug/l	100
43) Isopropyl Acetate	8.16	43	380050	49.122	ug/l #	88
44) Trichloroethene	8.83	130	227674	48.229	ug/l	98
45) 1,2-Dichloropropane	9.12	63	262077	49.071	ug/l	98
46) Dibromomethane	9.21	93	137285	47.027	ug/l	99
47) Bromodichloromethane	9.40	83	309830	49.472	ug/l	98
48) Methyl methacrylate	9.20	41	181236	47.651	ug/l	99
49) 1,4-Dioxane	9.20	88	37013	941.393	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1012004	232.328	ug/l	99
52) Toluene	10.16	92	526174	49.523	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	282757	52.009	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	352679	52.029	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	192873	48.885	ug/l	98
56) Ethyl methacrylate	10.43	69	243371	50.116	ug/l	98
57) 1,3-Dichloropropane	10.71	76	338719	48.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	311638	208.923	ug/l	99
59) 2-Hexanone	10.75	43	655060	240.350	ug/l	99
60) Dibromochloromethane	10.90	129	202910	50.320	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176587	48.424	ug/l	100
64) Tetrachloroethene	10.63	164	231724	50.692	ug/l	98
65) Chlorobenzene	11.43	112	535019	48.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	206368	48.224	ug/l	100
67) Ethyl Benzene	11.51	91	987574	50.041	ug/l	100
68) m/p-Xylenes	11.62	106	725215	102.950	ug/l	98
69) o-Xylene	11.95	106	352471	50.482	ug/l	100
70) Styrene	11.96	104	581343	54.228	ug/l	100
71) Bromoform	12.13	173	121577	51.200	ug/l #	99
73) Isopropylbenzene	12.25	105	958050	52.357	ug/l	100
74) N-amyl acetate	12.07	43	265746	44.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	211896	46.126	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	264097	62.224	ug/l #	100
77) Bromobenzene	12.53	156	221221	50.297	ug/l	99
78) n-propylbenzene	12.59	91	1078914	45.543	ug/l	100
79) 2-Chlorotoluene	12.67	91	644474	51.651	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	796344	44.045	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	50971	41.884	ug/l	95
82) 4-Chlorotoluene	12.77	91	628961	45.663	ug/l	100
83) tert-Butylbenzene	12.99	119	670761	52.563	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	776909	48.047	ug/l	100
85) sec-Butylbenzene	13.17	105	884707	45.020	ug/l	100
86) p-Isopropyltoluene	13.29	119	763154	47.249	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	367525	47.624	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	357497	49.191	ug/l	99
89) n-Butylbenzene	13.61	91	605158	52.727	ug/l	99
90) Hexachloroethane	13.87	117	125039	48.857	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	366766	47.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30065	49.552	ug/l	96

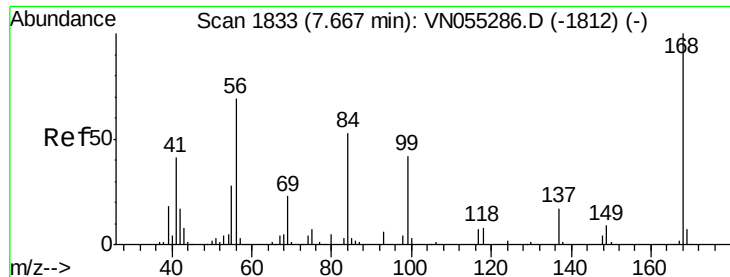
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146536	48.689	ug/l	98
94) Hexachlorobutadiene	15.01	225	135477	59.388	ug/l	97
95) Naphthalene	15.13	128	261059	41.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	146031	49.219	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

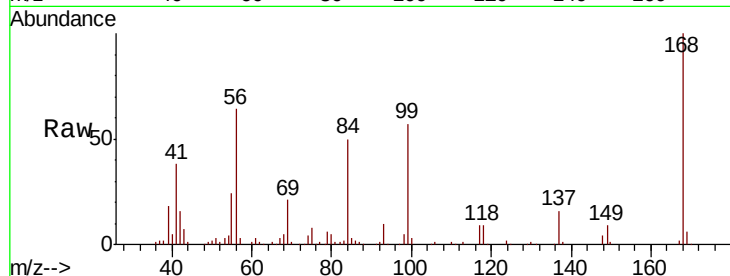
VSTDCCC050

Tot Ion:168 Resp: 426270

Ion Ratio Lower Upper

168 100

99 55.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): VN055286.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055286.D (-1812) (-)

7.67

200000

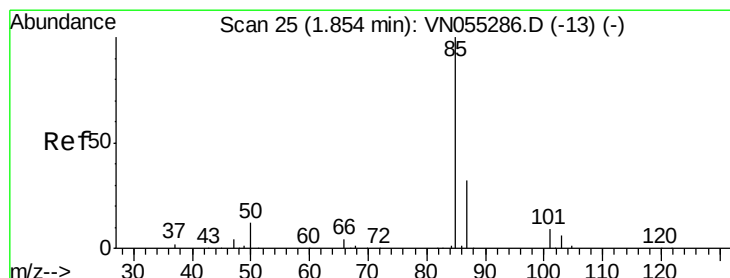
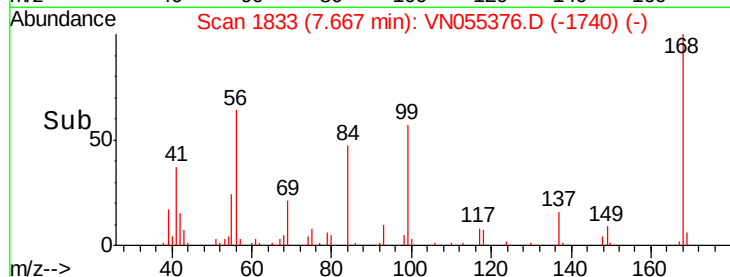
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.700 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055376.D

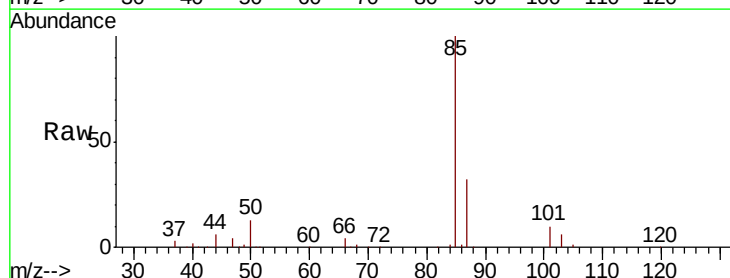
Acq: 3 May 2019 9:24

Tgt Ion: 85 Resp: 238678

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055286.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055286.D (-13) (-)

1.85

200000

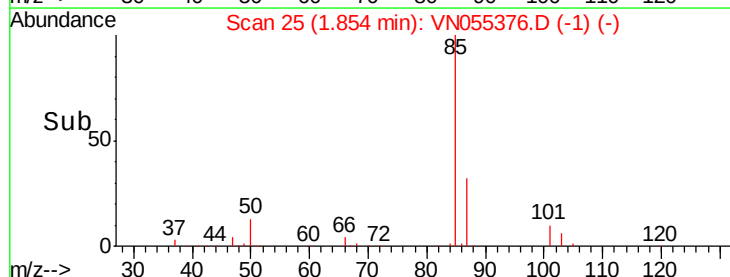
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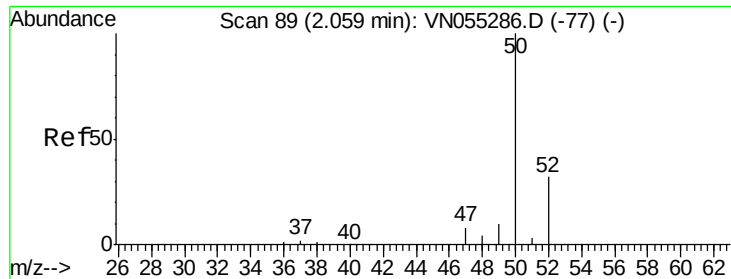
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.052 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

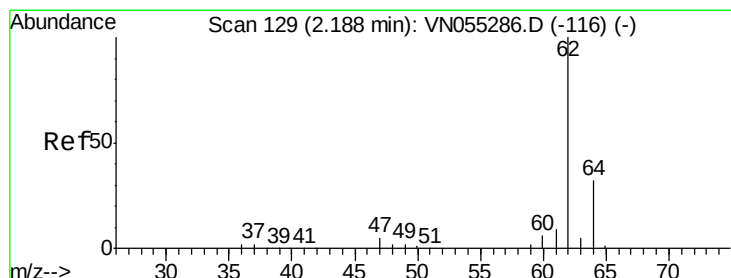
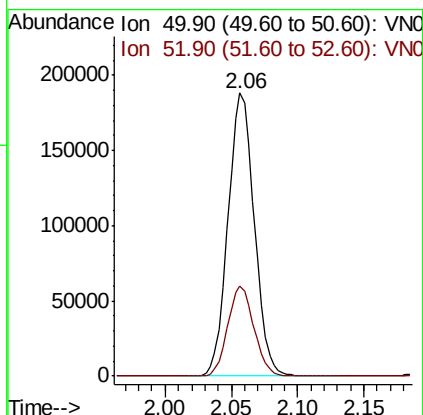
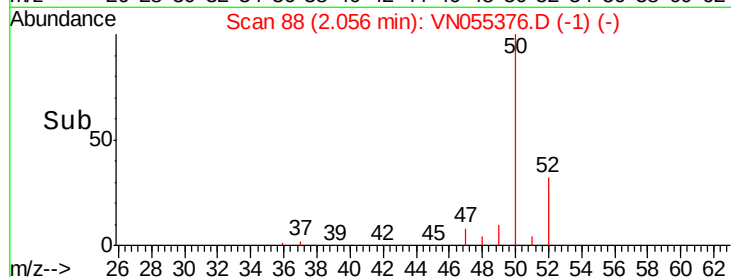
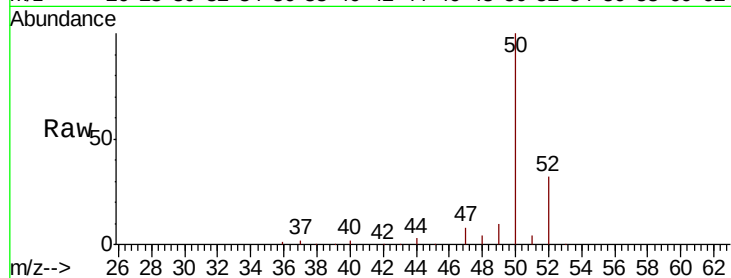
VSTDCCC050

Tot Ion: 50 Resp: 259018

Ion Ratio Lower Upper

50 100

52 32.0 25.7 38.5



#4

Vinyl Chloride

Concen: 45.022 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055376.D

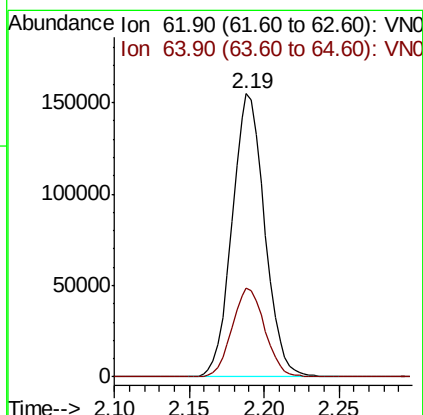
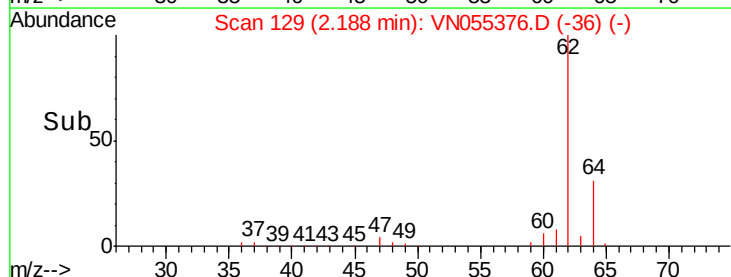
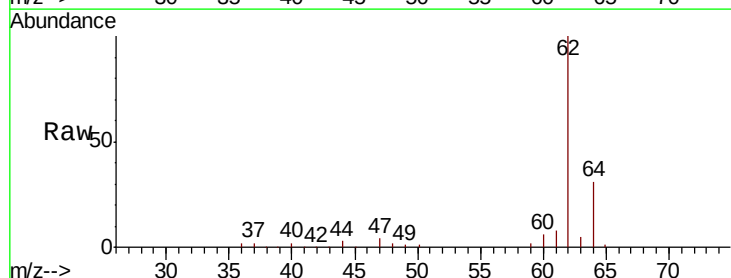
Acq: 3 May 2019 9:24

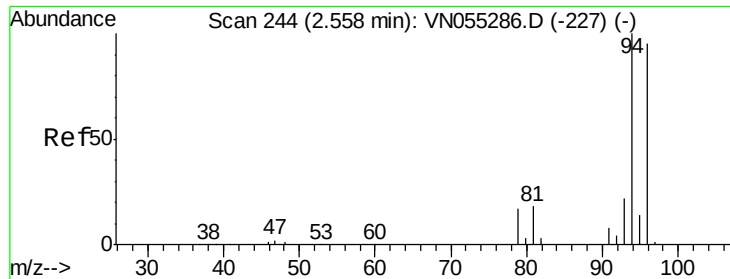
Tgt Ion: 62 Resp: 234697

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3

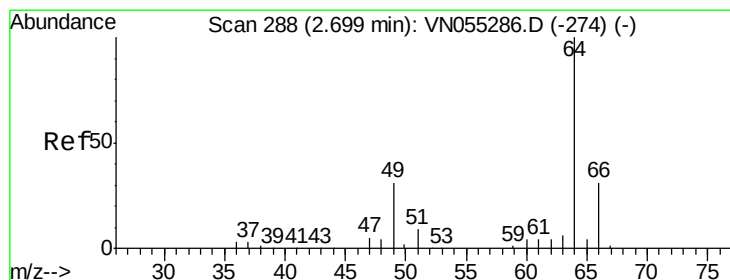
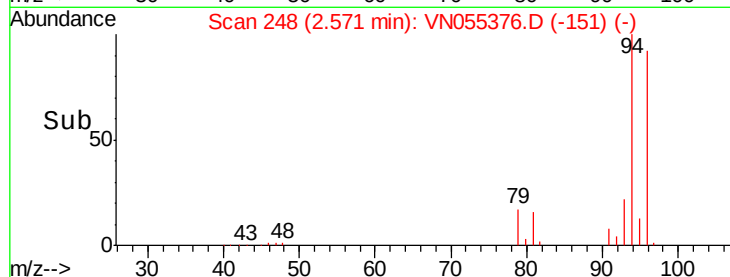
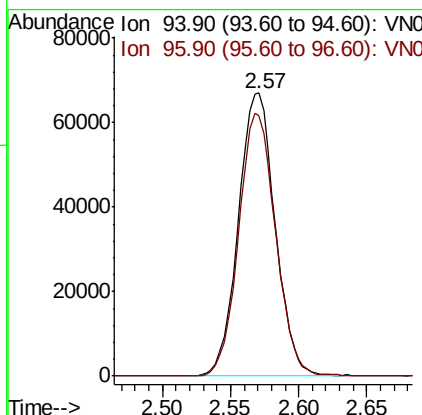
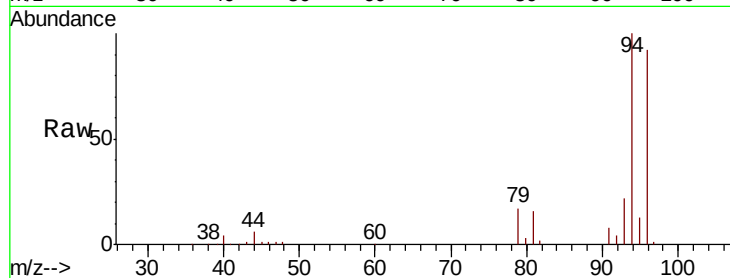




#5
Bromomethane
Concen: 45.429 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.01 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

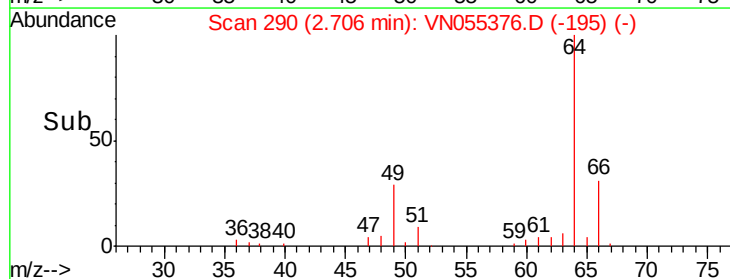
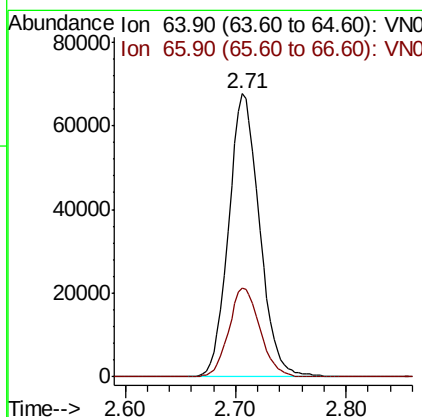
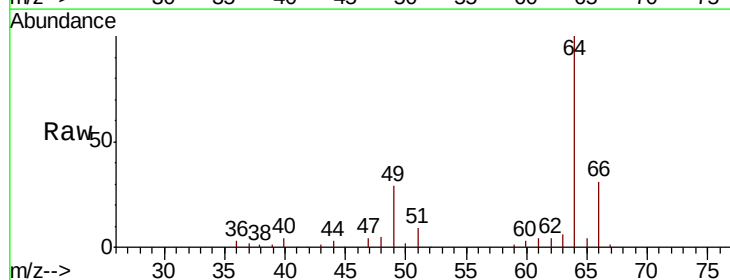
Instrument :
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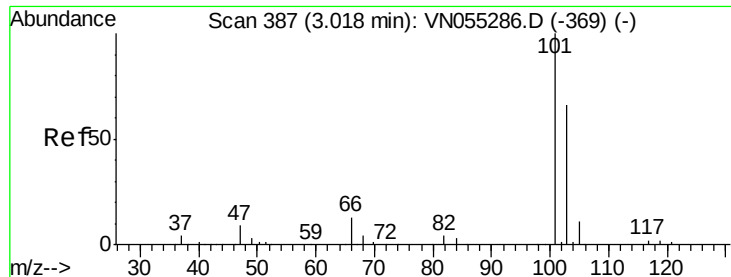
Tot Ion: 94 Resp: 125441
Ion Ratio Lower Upper
94 100
96 91.9 76.0 114.0



#6
Chloroethane
Concen: 46.480 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 64 Resp: 131261
Ion Ratio Lower Upper
64 100
66 31.2 25.0 37.4



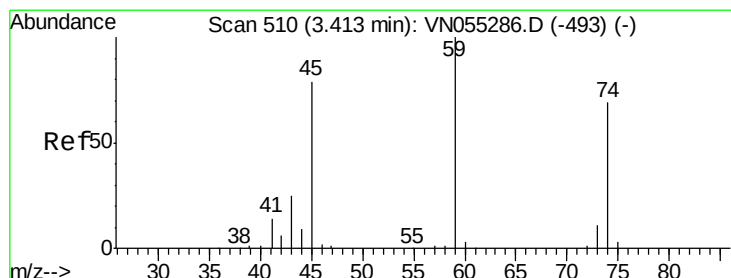
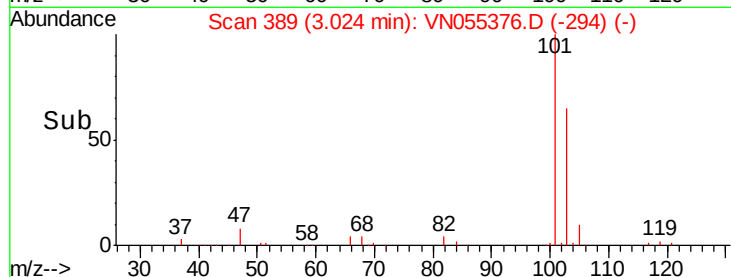
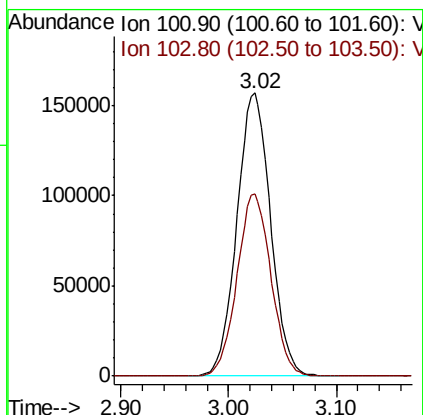
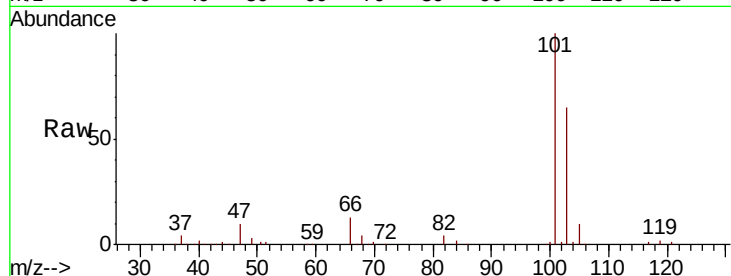


#7

Trichlorofluoromethane
 Concen: 46.042 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

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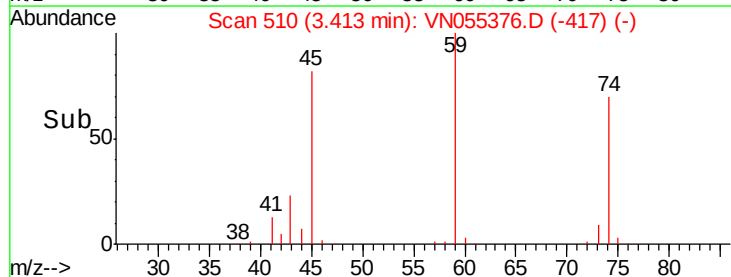
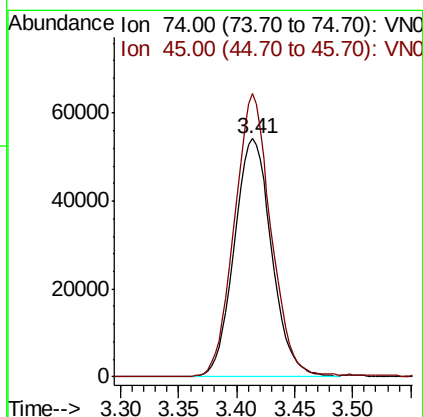
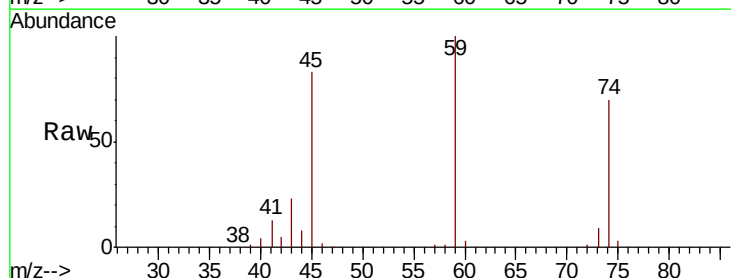
Tot Ion:101 Resp: 341291
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0

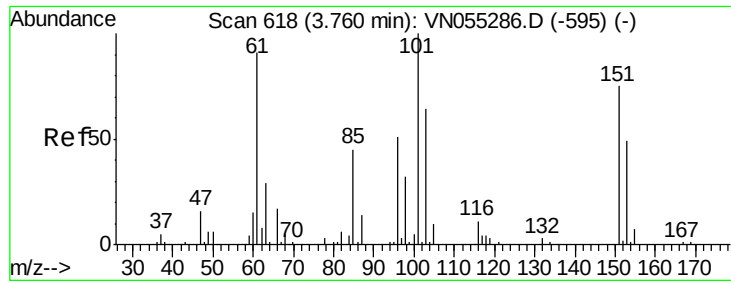


#8

Diethyl Ether
 Concen: 46.827 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 74 Resp: 121443
 Ion Ratio Lower Upper
 74 100
 45 116.3 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.887 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

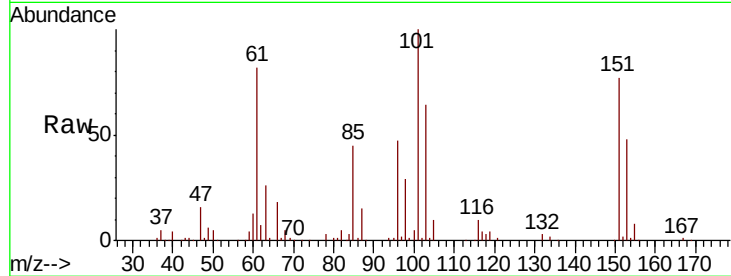
Tot Ion:101 Resp: 211380

Ion Ratio Lower Upper

101 100

85 43.7 35.7 53.5

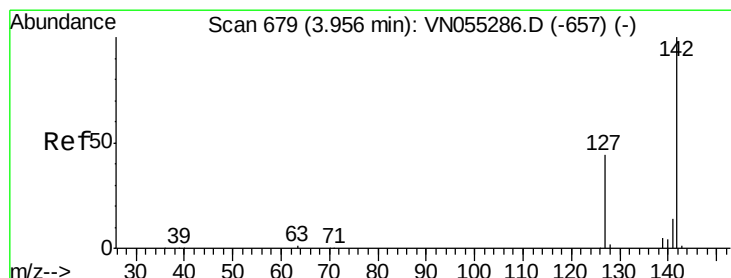
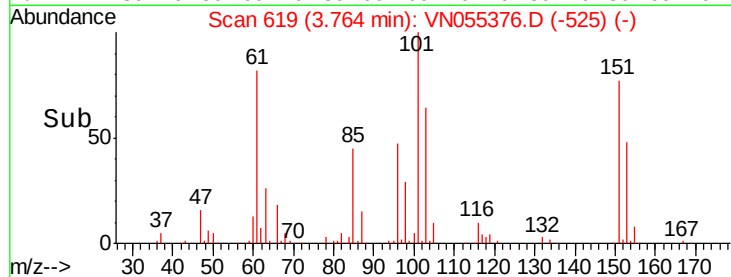
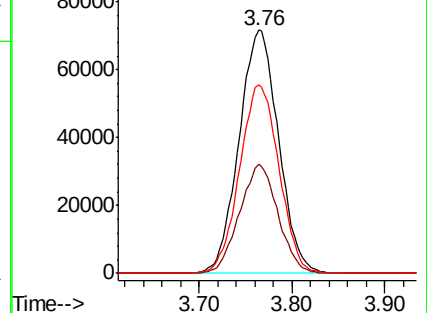
151 77.5 63.3 94.9



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: 45.782 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

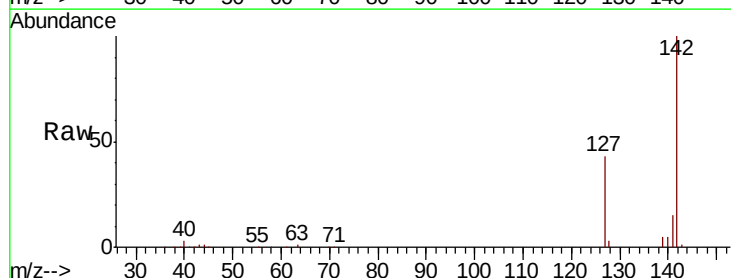
Tgt Ion:142 Resp: 284406

Ion Ratio Lower Upper

142 100

127 41.8 34.4 51.6

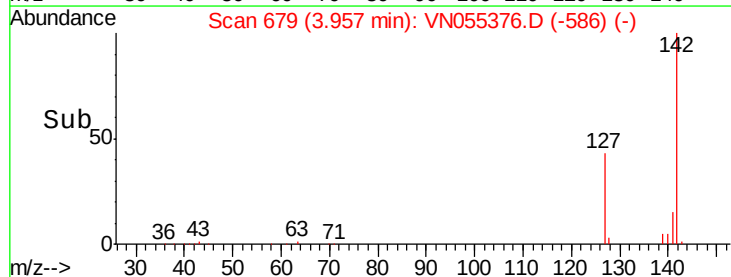
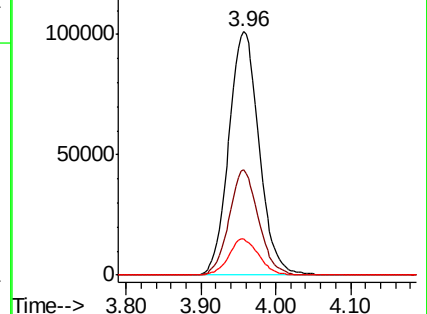
141 14.6 11.5 17.3

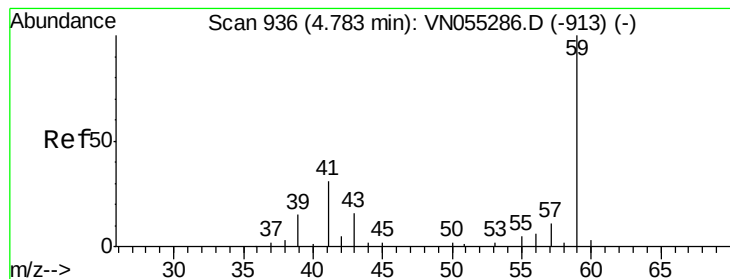


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



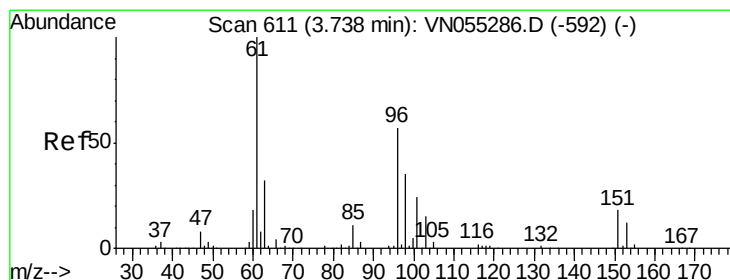
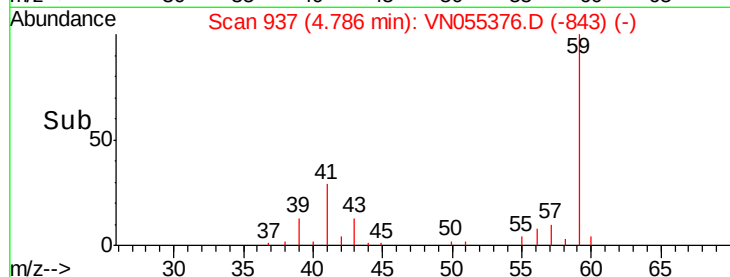
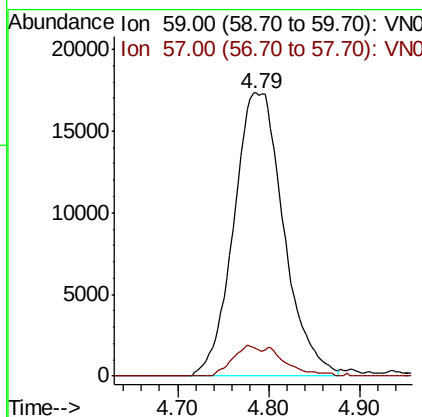
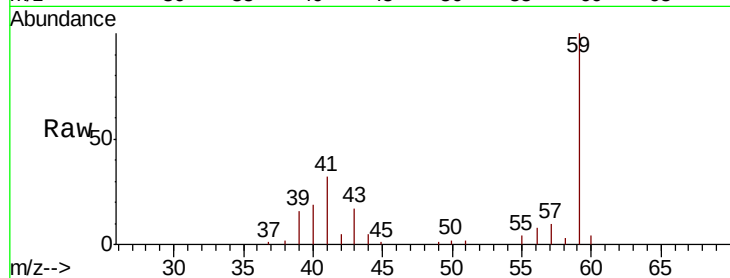


#11

Tert butyl alcohol
 Concen: 206.665 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

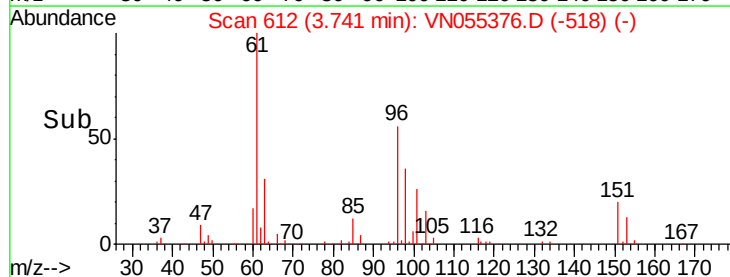
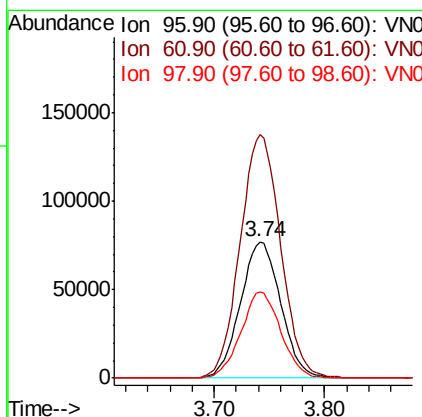
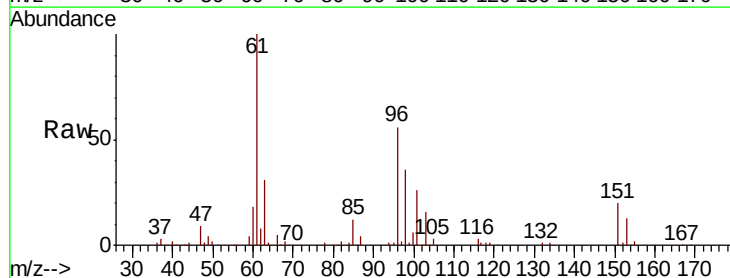
Tot Ion: 59 Resp: 65983
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.2 12.2#

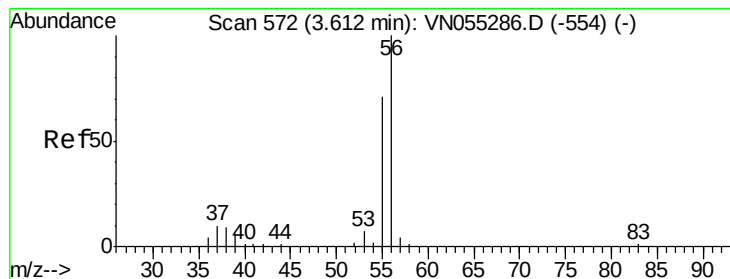


#12

1,1-Dichloroethene
 Concen: 46.386 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 96 Resp: 195322
 Ion Ratio Lower Upper
 96 100
 61 178.2 140.9 211.3
 98 63.4 50.0 75.0





#13

Acrolein

Concen: 156.693 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

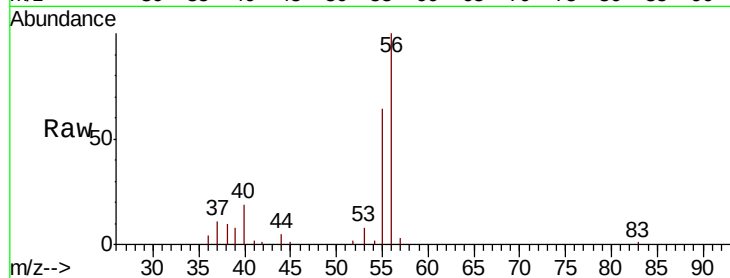
VSTDCCC050

Tot Ion: 56 Resp: 39070

Ion Ratio Lower Upper

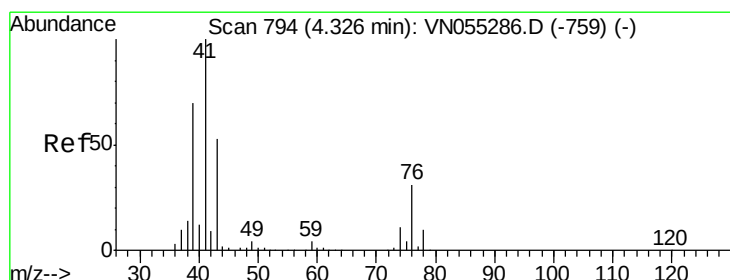
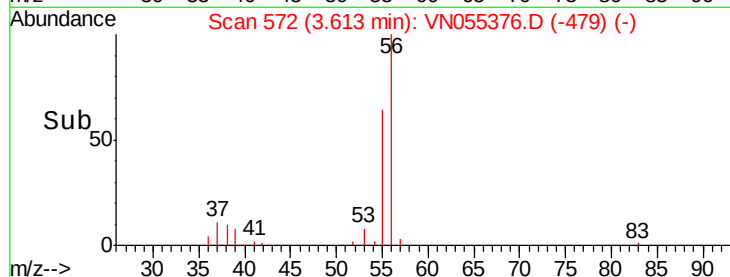
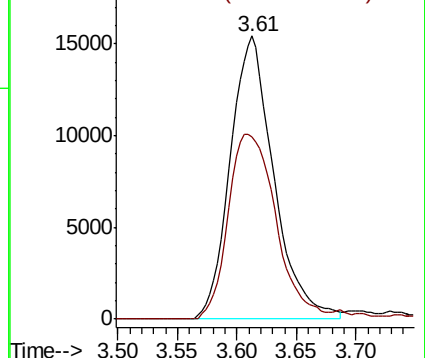
56 100

55 71.5 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.763 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

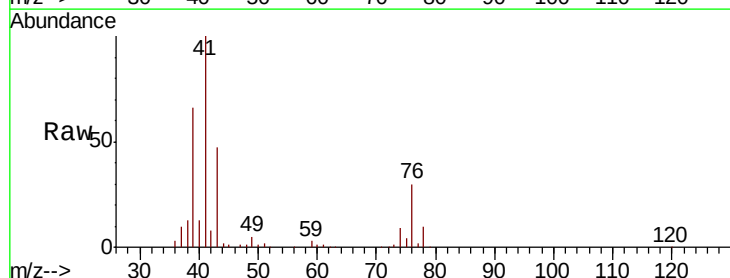
Tgt Ion: 41 Resp: 416544

Ion Ratio Lower Upper

41 100

39 64.1 53.0 79.6

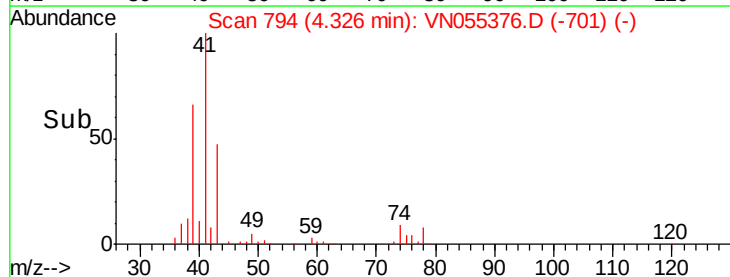
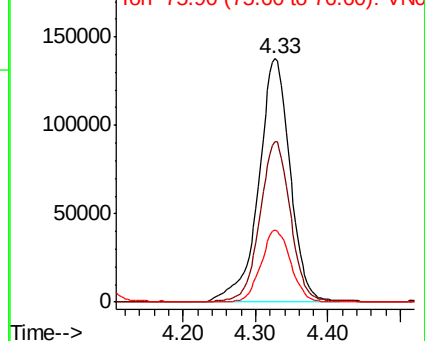
76 28.0 22.7 34.1

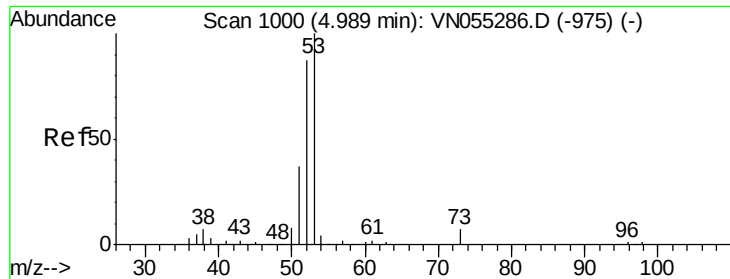


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

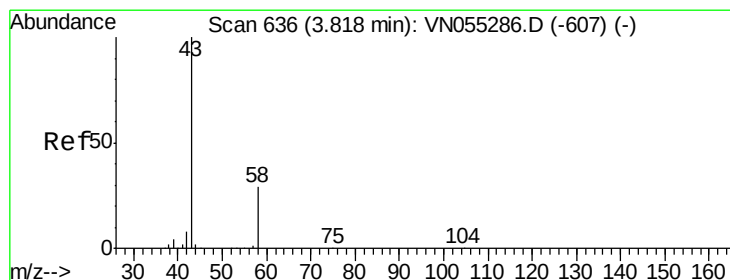
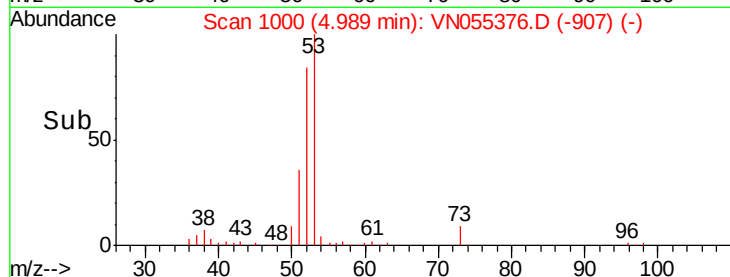
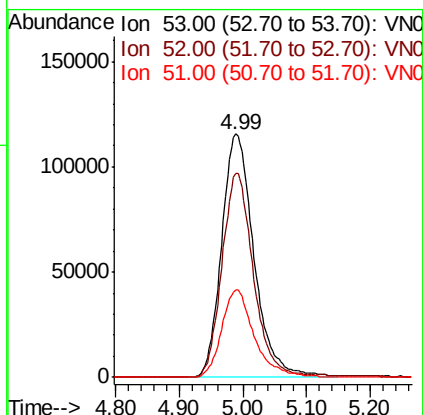
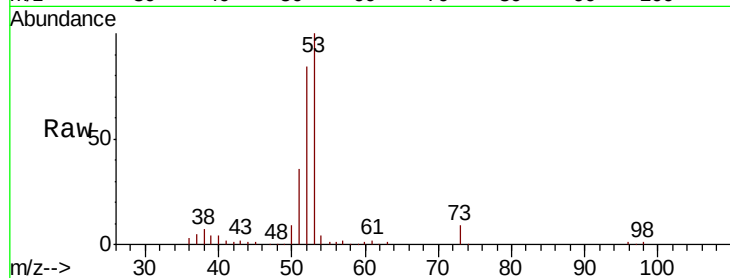




#15
 Acrylonitrile
 Concen: 227.795 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

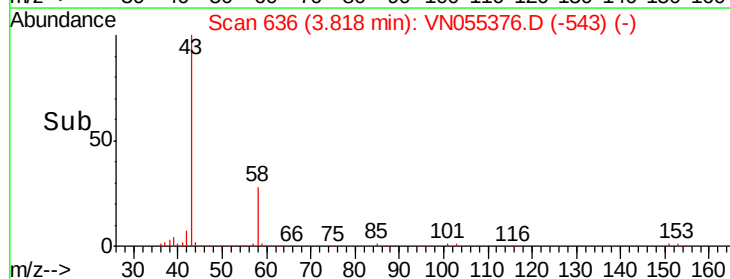
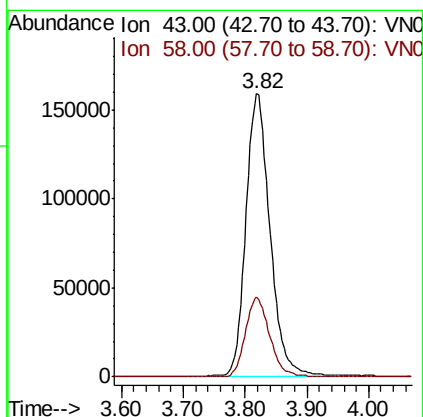
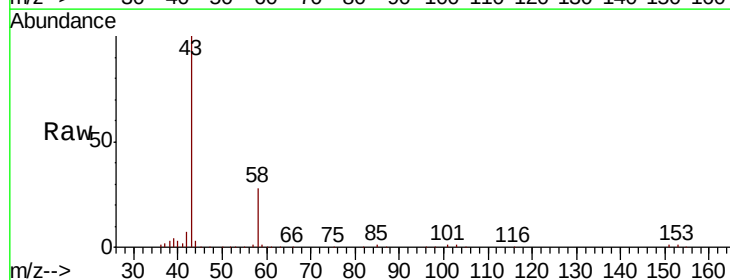
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

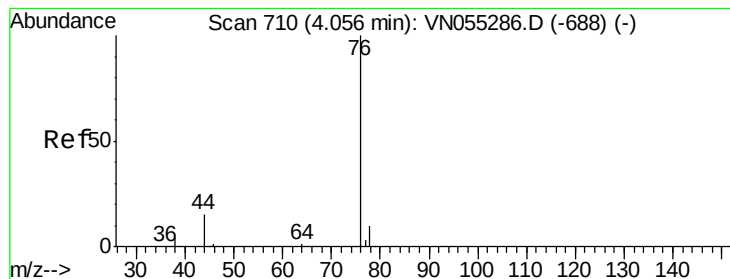
Tot Ion: 53 Resp: 408803
 Ion Ratio Lower Upper
 53 100
 52 81.3 66.5 99.7
 51 36.3 29.6 44.4



#16
 Acetone
 Concen: 249.581 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 43 Resp: 433670
 Ion Ratio Lower Upper
 43 100
 58 28.2 23.6 35.4





#17

Carbon Disulfide

Concen: 42.038 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

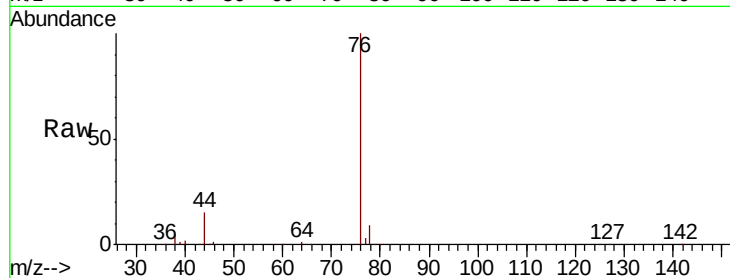
VSTDCCC050

Tot Ion: 76 Resp: 461961

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

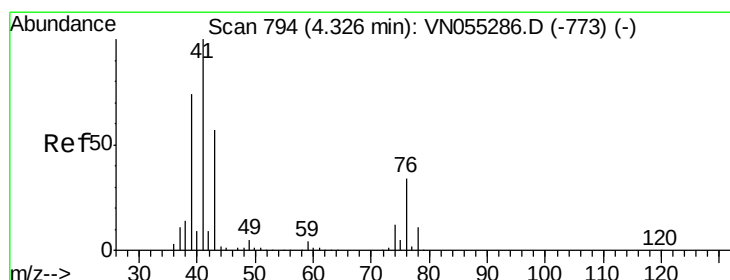
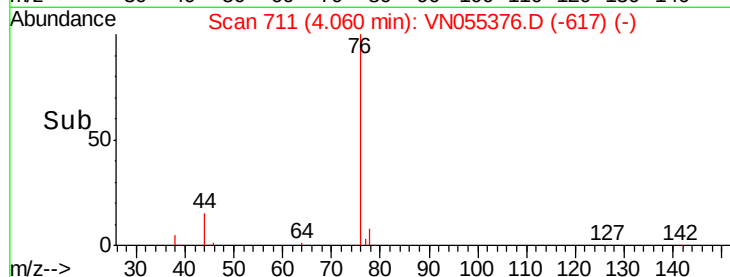
50000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 46.609 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055376.D

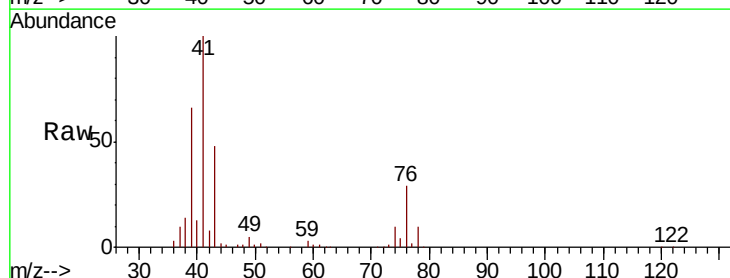
Acq: 3 May 2019 9:24

Tgt Ion: 43 Resp: 197584

Ion Ratio Lower Upper

43 100

74 19.7 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

40000

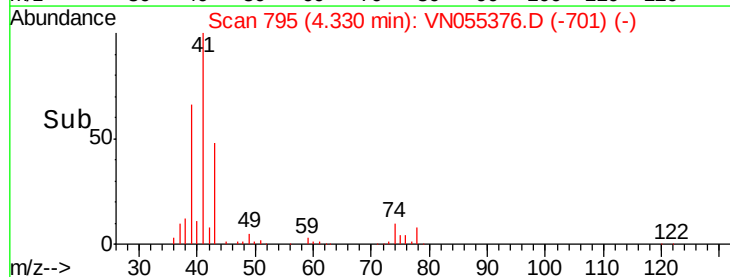
20000

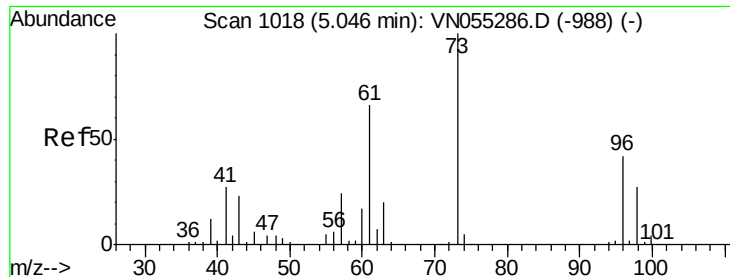
0

4.33

4.20 4.30 4.40 4.50

Time-->

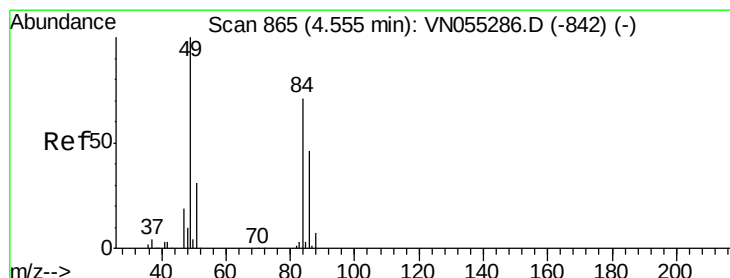
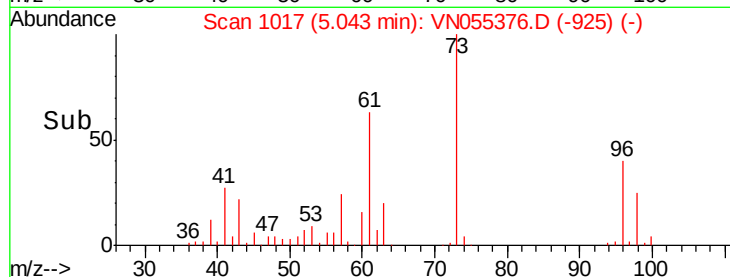
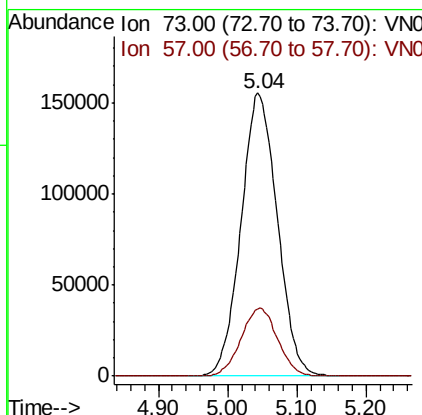
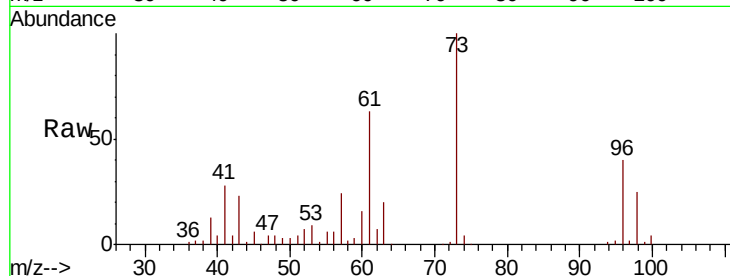




#19
Methyl tert-butyl Ether
Concen: 47.669 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

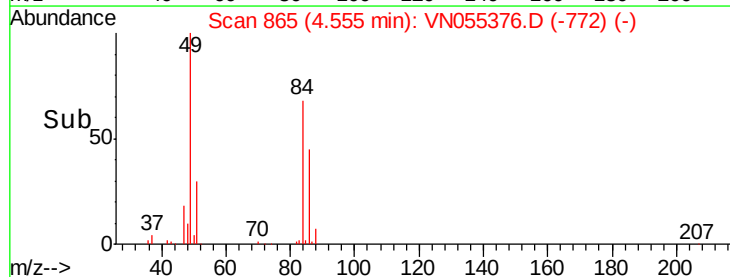
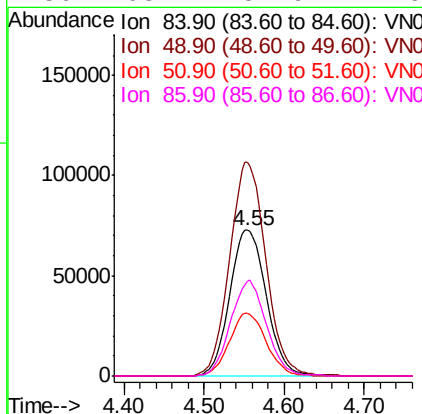
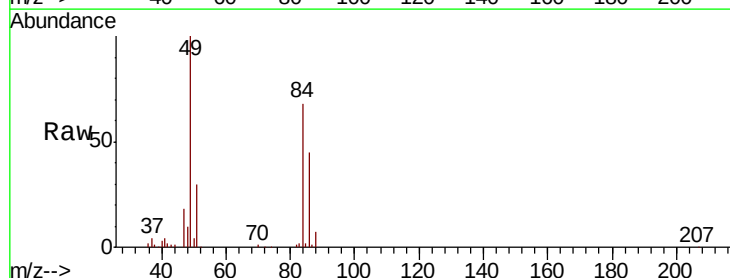
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

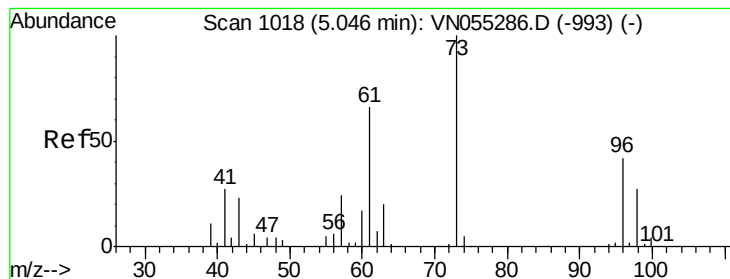
Tot Ion: 73 Resp: 564293
Ion Ratio Lower Upper
73 100
57 23.8 19.1 28.7



#20
Methylene Chloride
Concen: 42.772 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 84 Resp: 226850
Ion Ratio Lower Upper
84 100
49 146.1 112.4 168.6
51 43.3 34.6 51.8
86 65.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.492 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

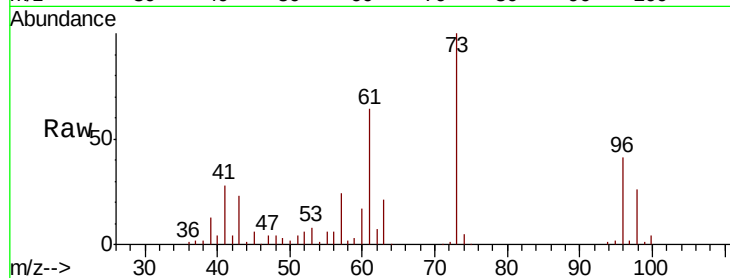
Tot Ion: 96 Resp: 202873

Ion Ratio Lower Upper

96 100

61 156.9 126.2 189.4

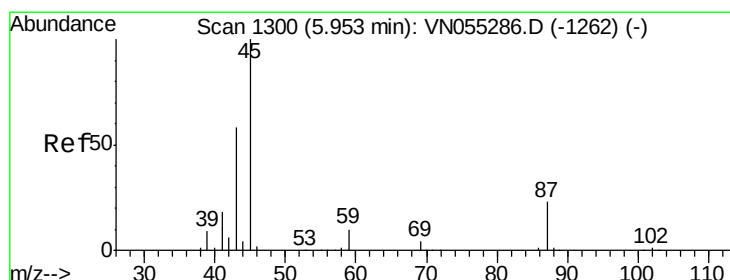
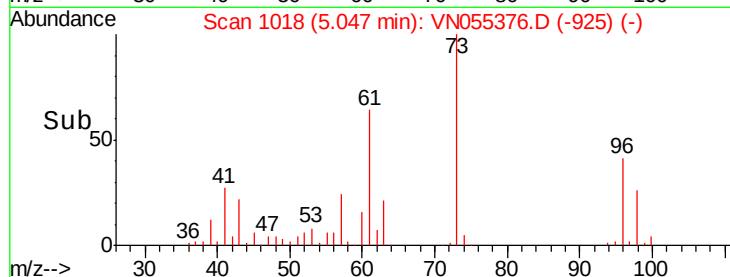
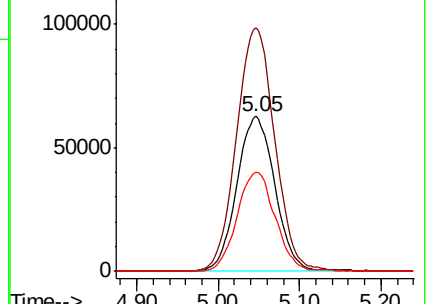
98 64.0 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VN055376.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055376.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055376.D (-1207) (-)



#22

Diisopropyl ether

Concen: 49.276 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion: 45 Resp: 853850

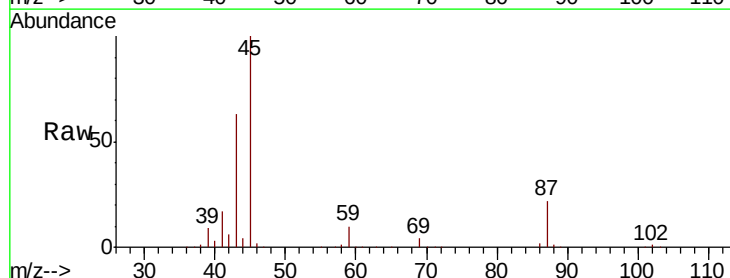
Ion Ratio Lower Upper

45 100

43 61.5 46.6 70.0

87 21.5 18.1 27.1

59 10.2 8.2 12.2

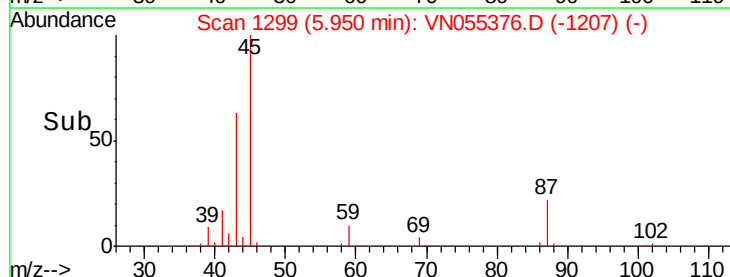
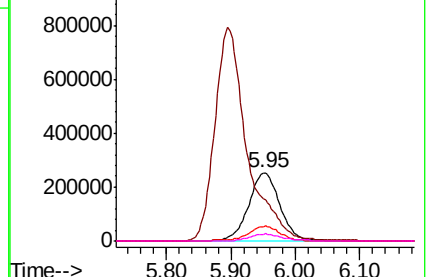


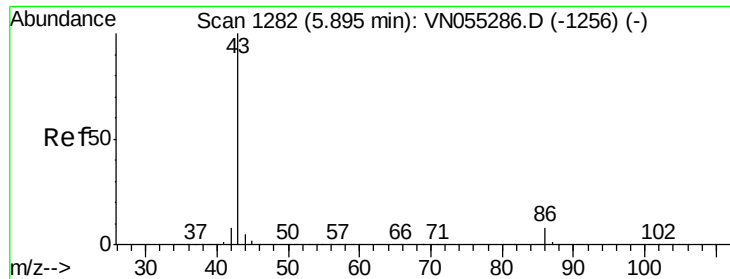
Abundance Ion 45.00 (44.70 to 45.70): VN055376.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055376.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055376.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055376.D (-1207) (-)





#23

Vinyl Acetate

Concen: 242.205 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

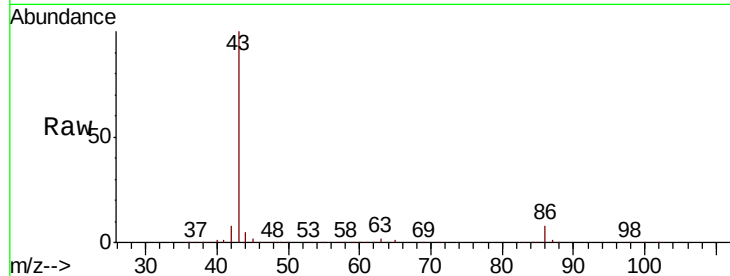
VSTDCCC050

Tot Ion: 43 Resp: 2750647

Ion Ratio Lower Upper

43 100

86 8.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

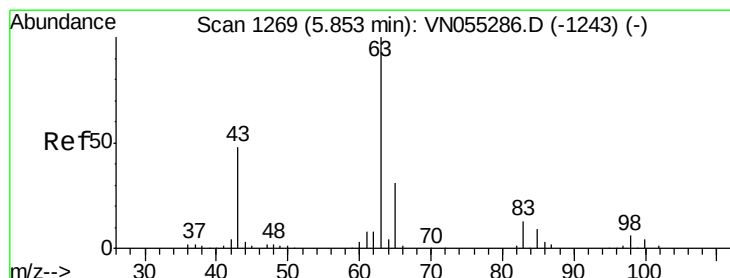
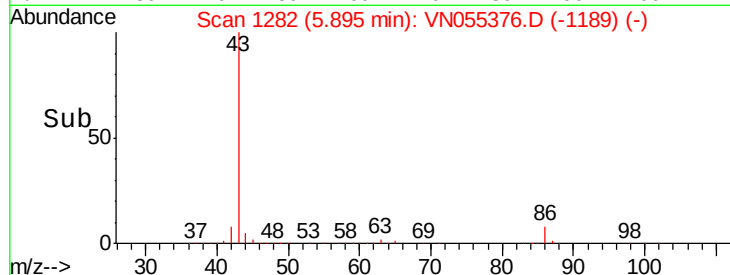
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.522 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

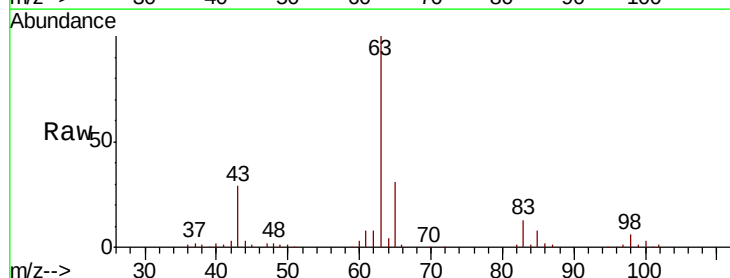
Tgt Ion: 63 Resp: 438745

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

100 3.3 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

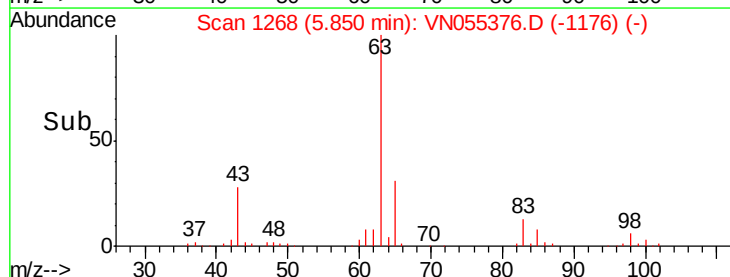
100000

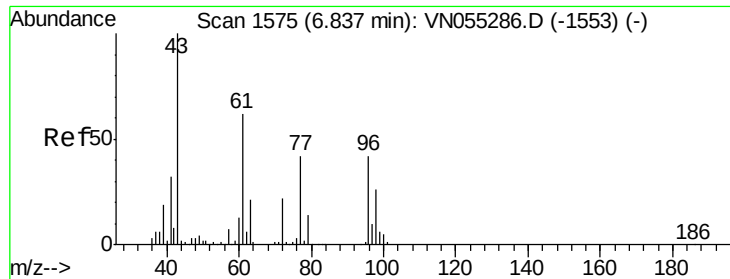
50000

0

5.70 5.80 5.90 6.00

Time-->

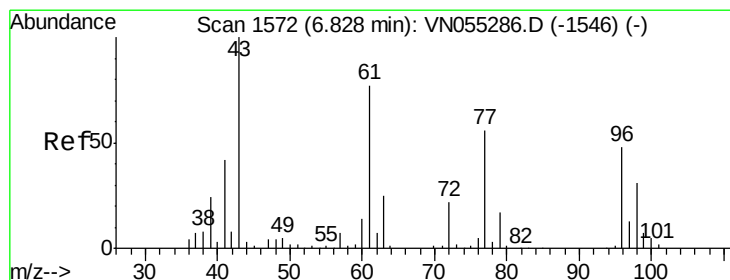
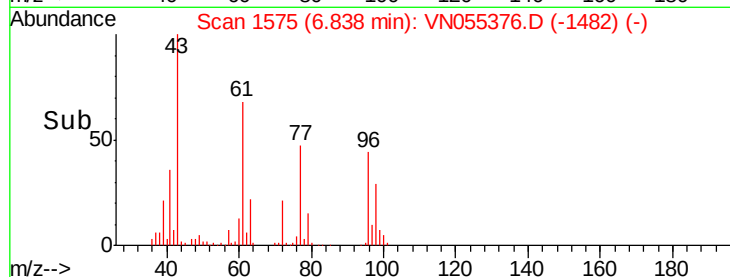
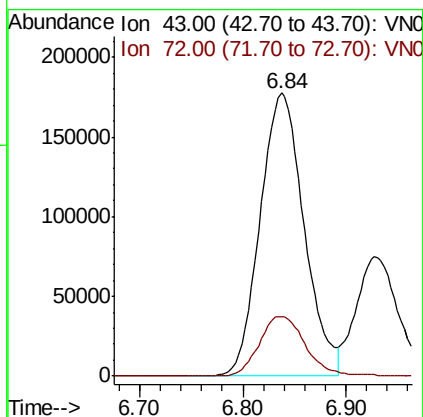
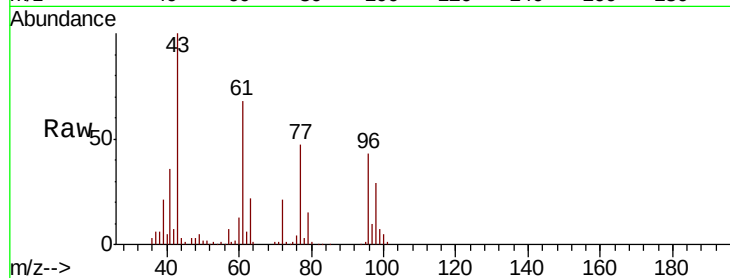




#25
2-Butanone
Concen: 235.917 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

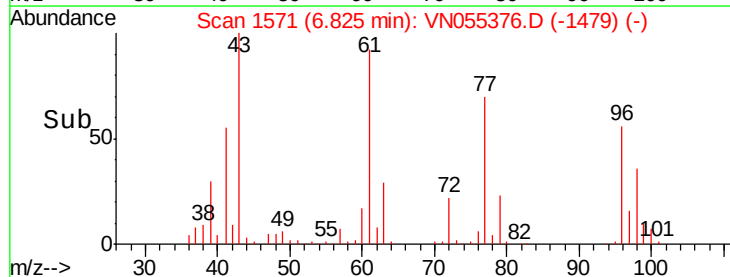
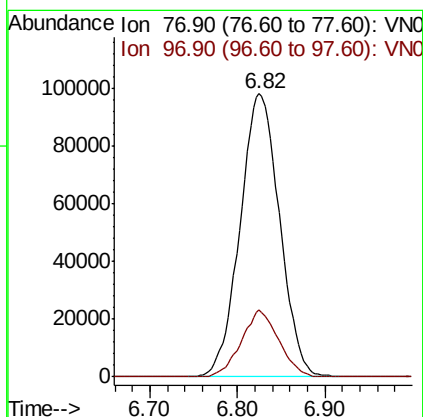
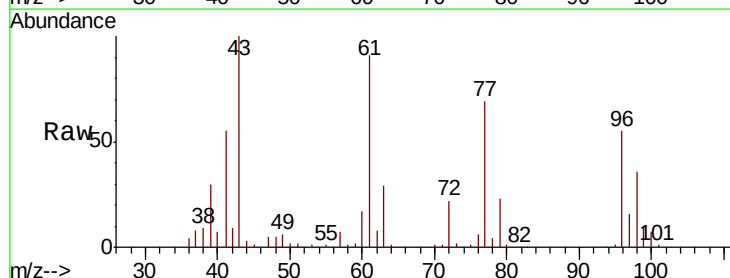
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

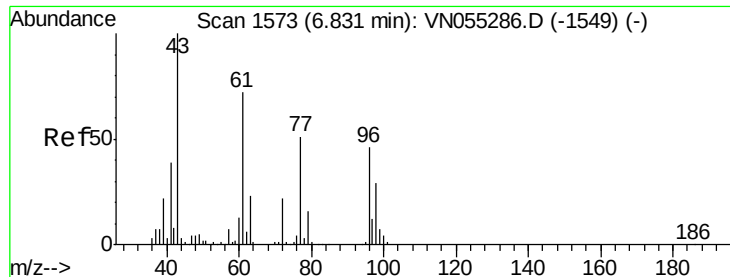
Tot Ion: 43 Resp: 524243
Ion Ratio Lower Upper
43 100
72 21.1 18.0 27.0



#26
2,2-Dichloropropane
Concen: 48.298 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 77 Resp: 307919
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 47.508 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

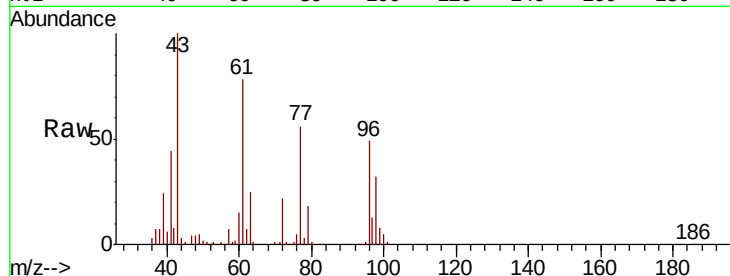
Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 240930

Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	316.2
98	64.9	0.0	126.6

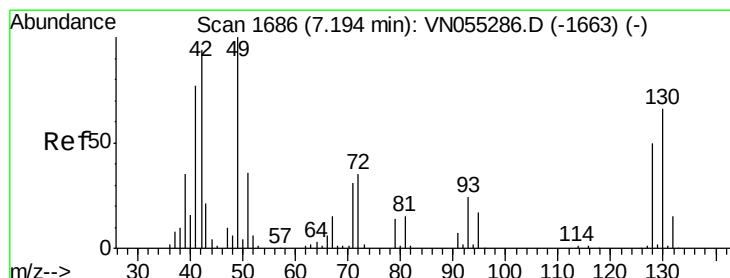
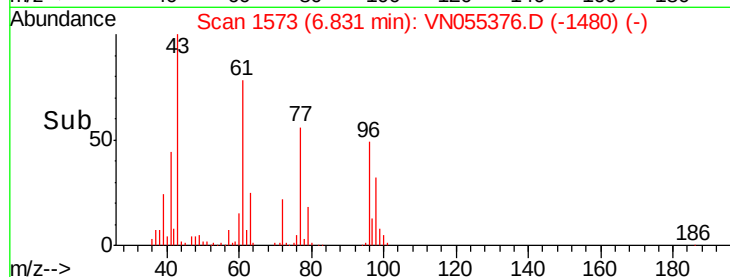
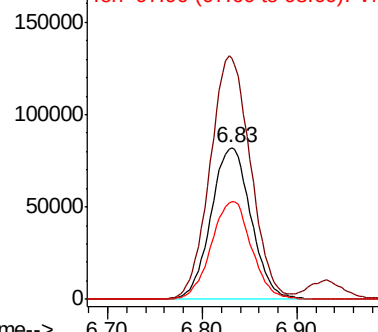


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 46.082 ug/l

RT: 7.19 min Scan# 1686

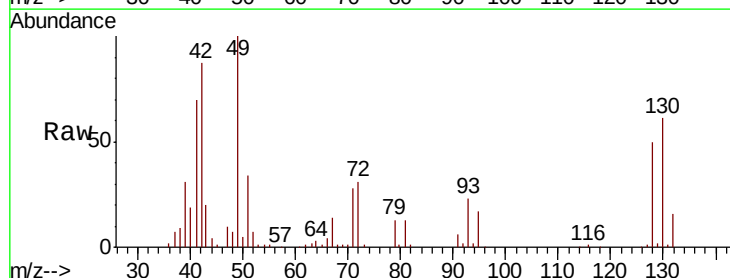
Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion: 49 Resp: 214457

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.4
130	64.0	52.0	78.0

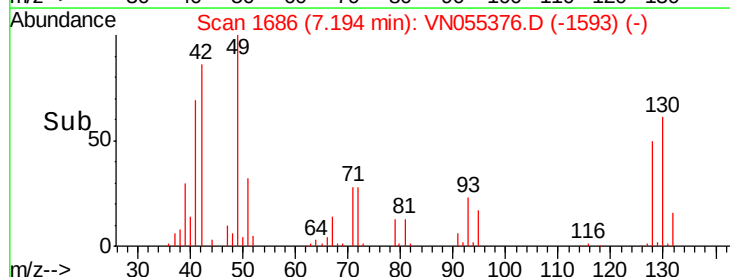
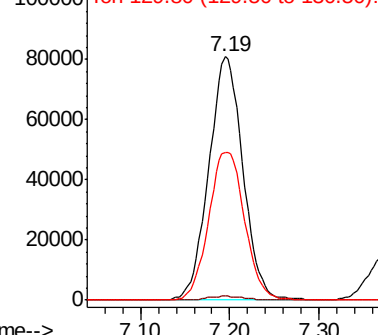


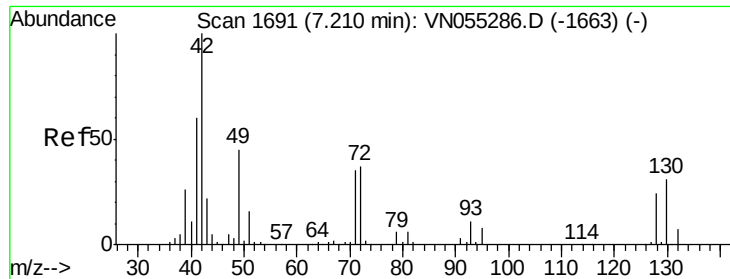
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

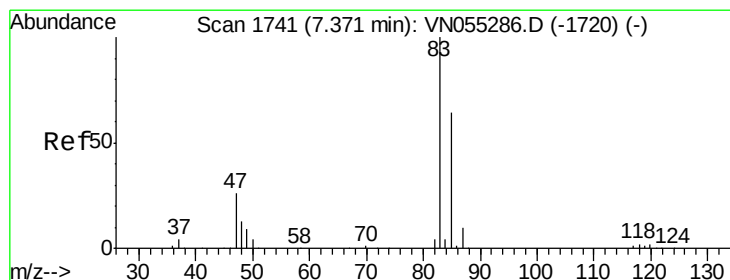
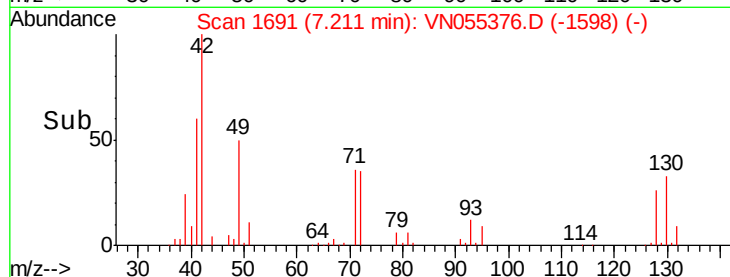
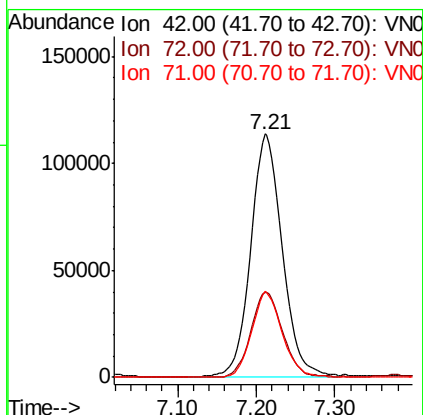
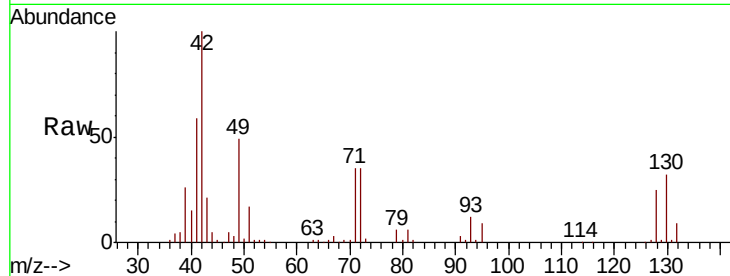




#29
Tetrahydrofuran
Concen: 227.140 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

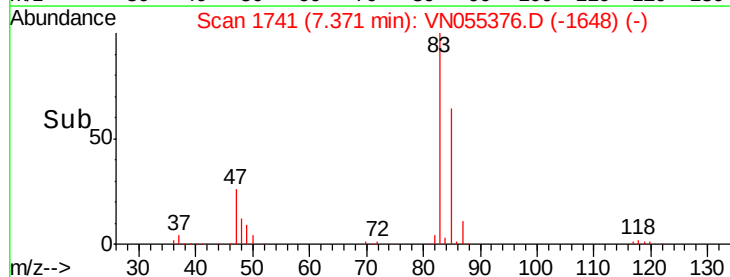
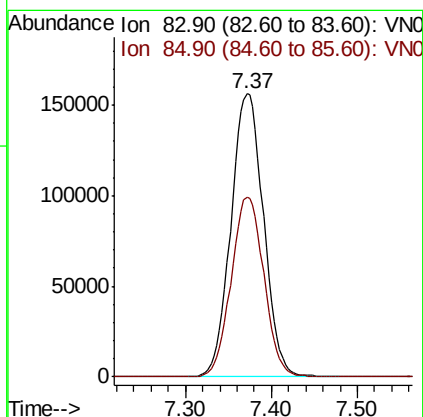
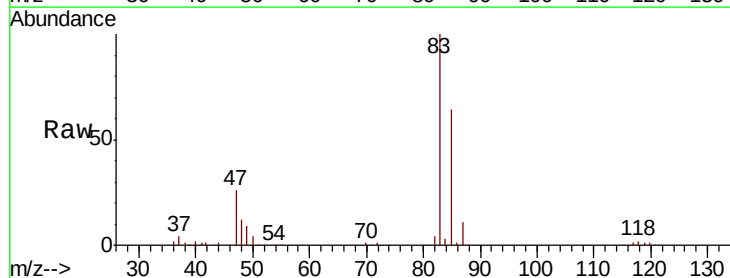
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

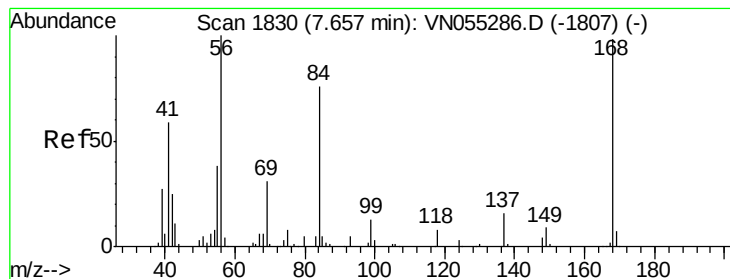
Tot Ion: 42 Resp: 323199
Ion Ratio Lower Upper
42 100
72 35.6 29.0 43.6
71 34.1 27.1 40.7



#30
Chloroform
Concen: 47.092 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 83 Resp: 412146
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.2





#31

Cyclohexane

Concen: 45.055 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

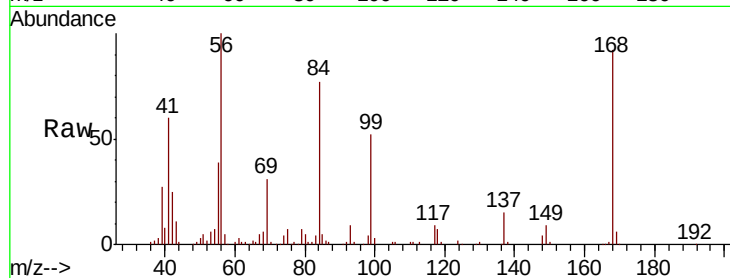
Tot Ion: 56 Resp: 395213

Ion Ratio Lower Upper

56 100

69 31.0 25.2 37.8

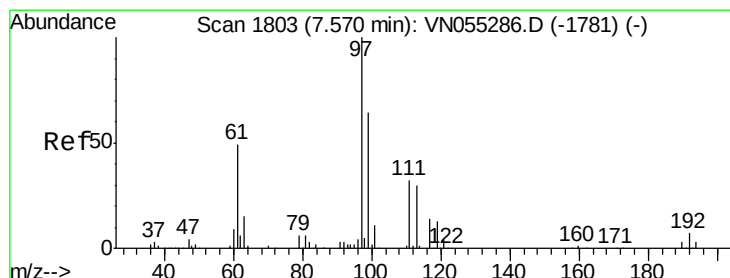
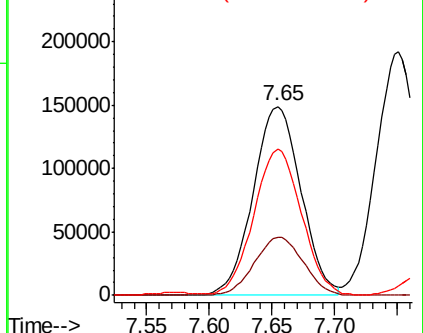
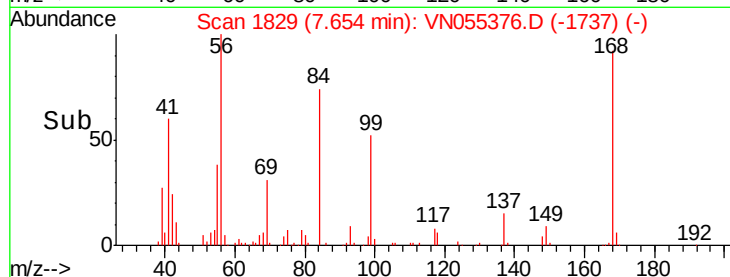
84 76.4 61.1 91.7



Abundance Ion 56.00 (55.70 to 56.70): VN055376.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055376.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055376.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 46.188 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

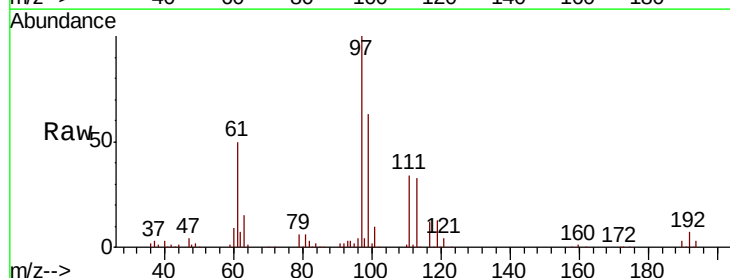
Tgt Ion: 97 Resp: 328073

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

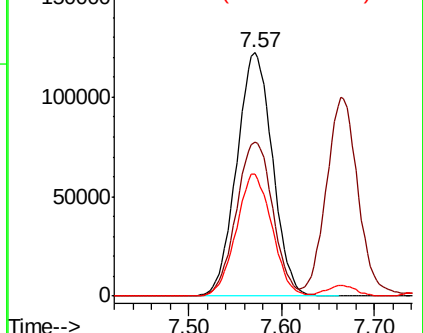
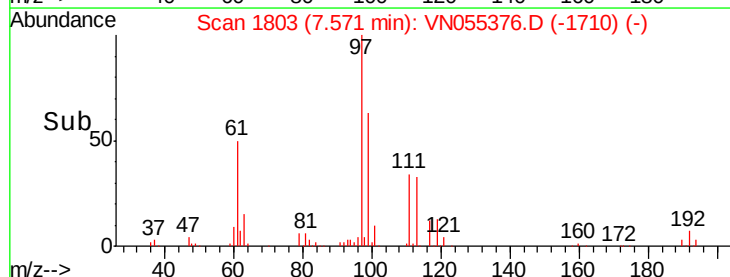
61 50.0 39.0 58.6

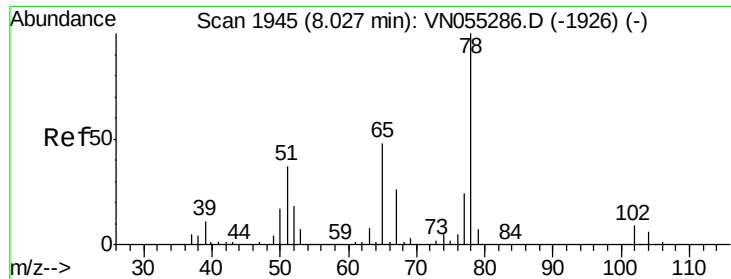


Abundance Ion 96.90 (96.60 to 97.60): VN055376.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055376.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055376.D (-1710) (-)

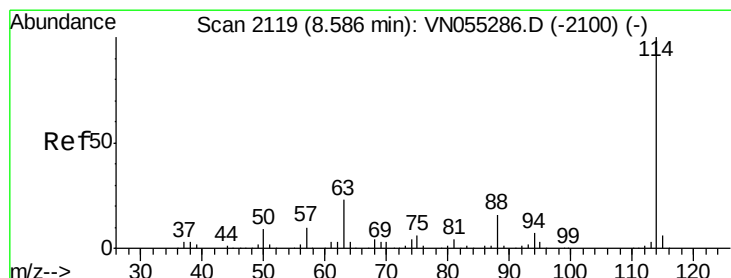
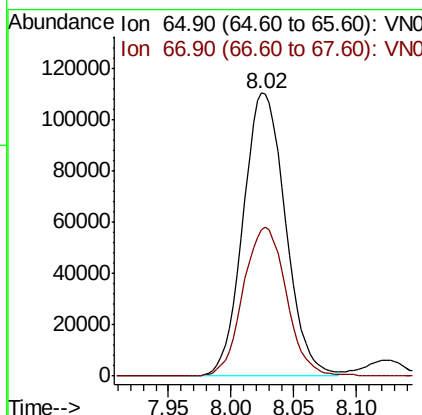
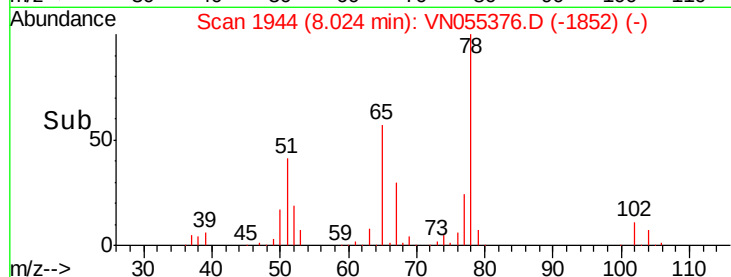
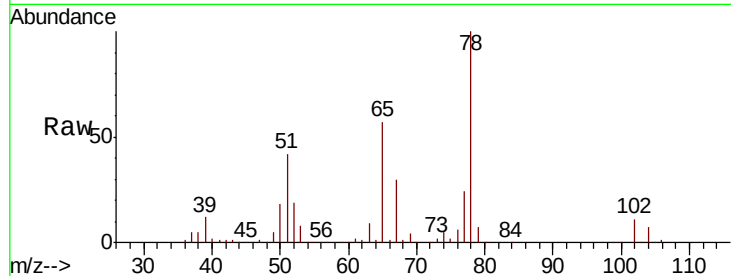




#33
 1,2-Dichloroethane-d4
 Concen: 46.678 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

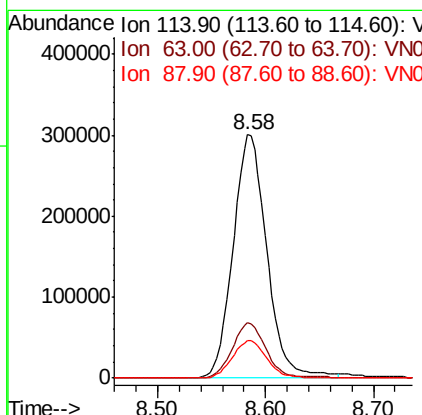
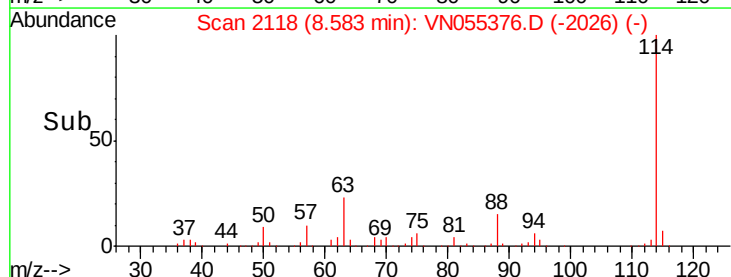
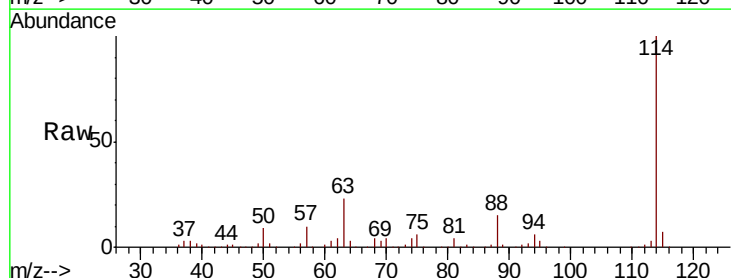
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

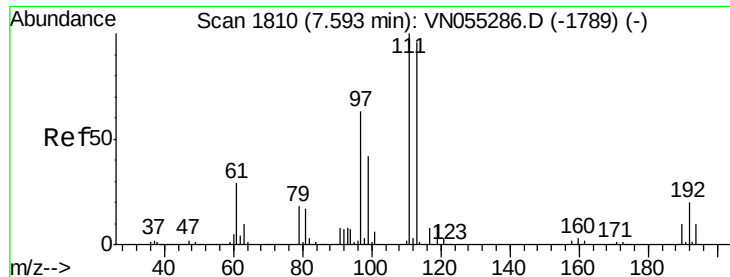
Tot Ion: 65 Resp: 260302
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 114 Resp: 655797
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.2
 88 15.3 0.0 31.6

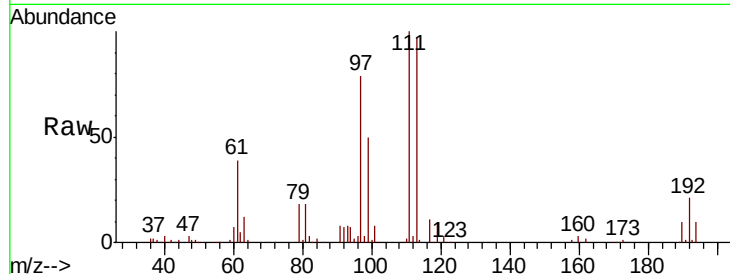




#35
 Dibromofluoromethane
 Concen: 49.593 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.3	123.5
192	21.1	17.0	25.6

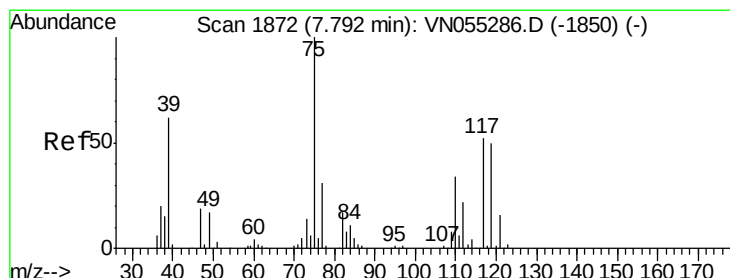
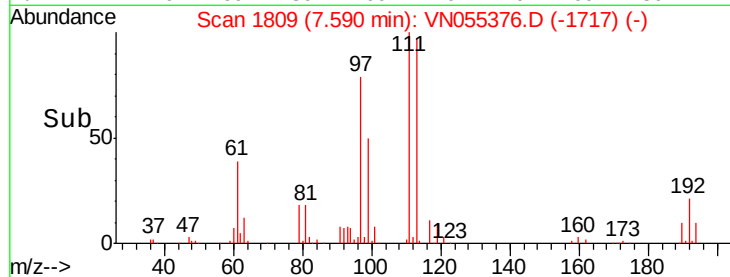
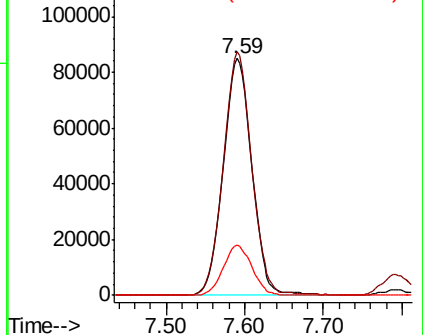


Abundance

Ion 112.80 (112.50 to 113.50): V

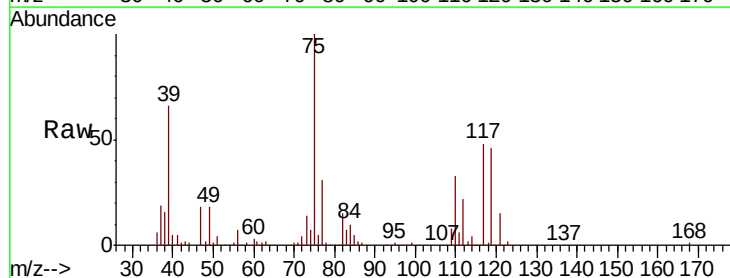
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.938 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.8	50.4
77	30.3	25.0	37.6

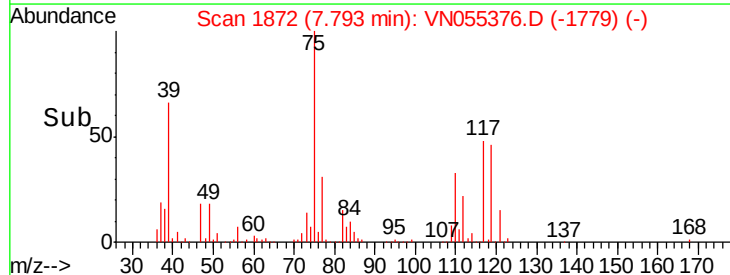
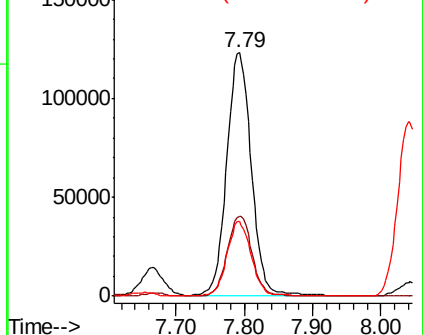


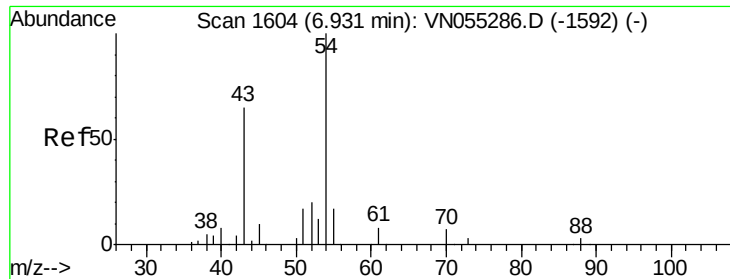
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

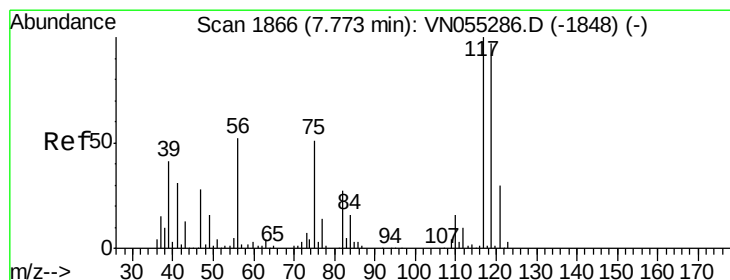
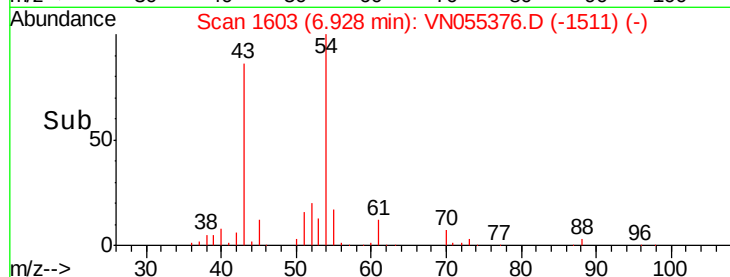
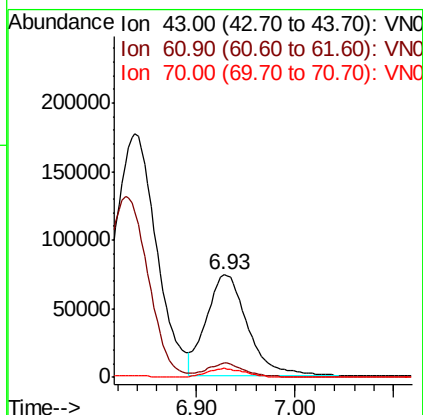
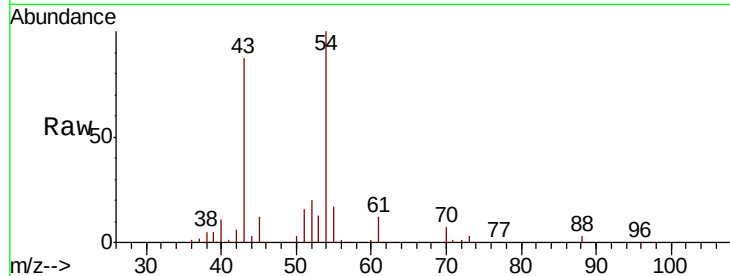




#37
Ethyl Acetate
Concen: 44.733 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

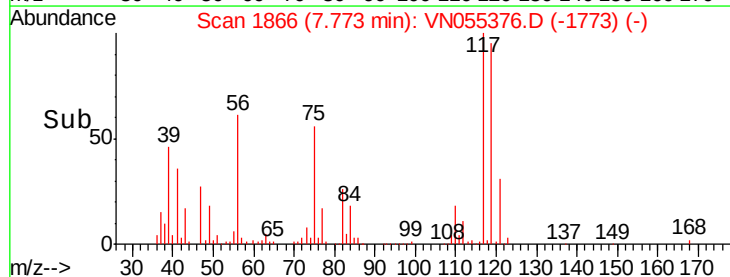
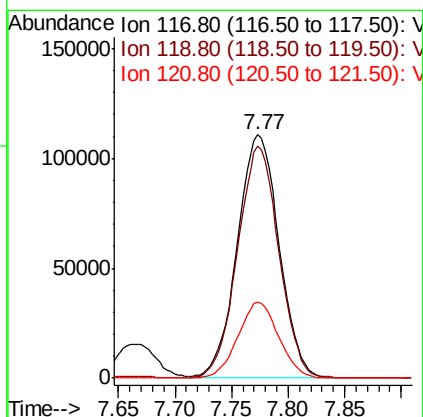
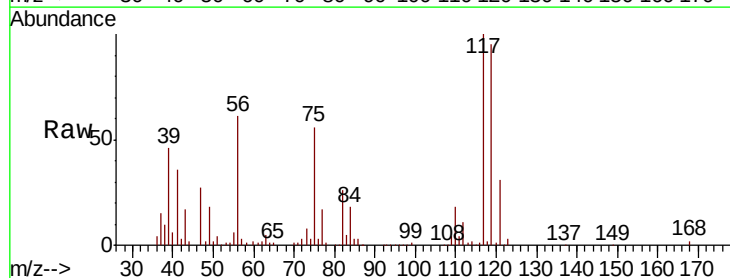
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

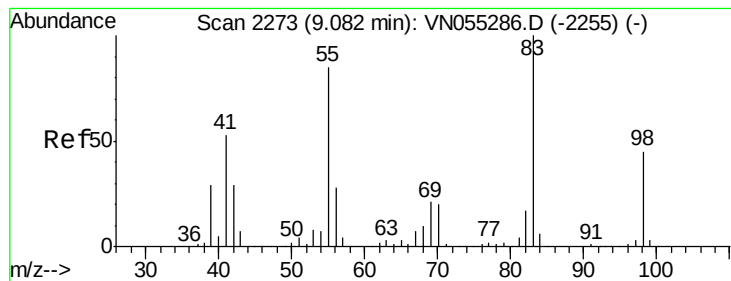
Tot Ion: 43 Resp: 215356
Ion Ratio Lower Upper
43 100
61 12.7 10.4 15.6
70 8.3 6.6 10.0



#38
Carbon Tetrachloride
Concen: 46.826 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 117 Resp: 283736
Ion Ratio Lower Upper
117 100
119 95.1 77.0 115.6
121 31.2 23.8 35.8





#39

Methylvlcyclohexane

Concen: 50.132 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

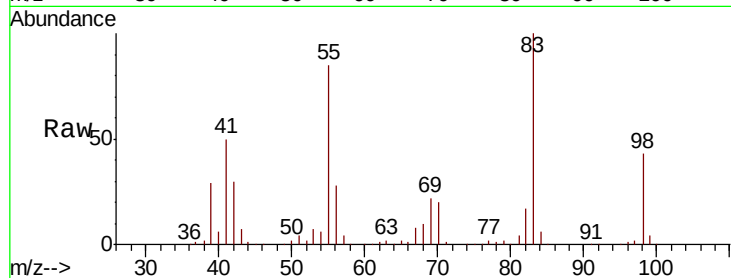
Tot Ion: 83 Resp: 334811

Ion Ratio Lower Upper

83 100

55 84.7 67.8 101.6

98 42.7 36.2 54.4

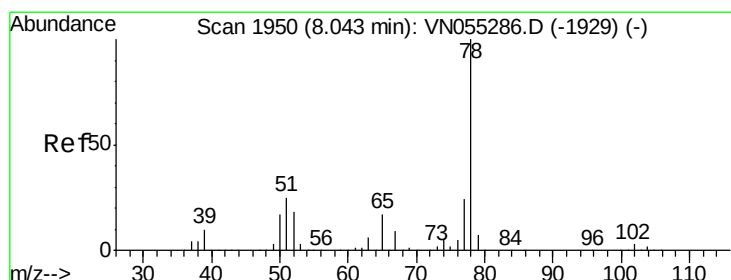
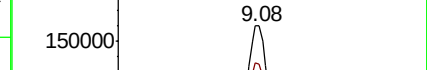
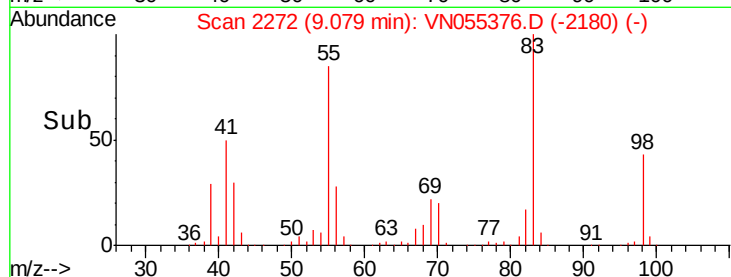


Abundance Ion 83.00 (82.70 to 83.70): VN055286.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN055286.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN055286.D (-2255) (-)

Time-->



#40

Benzene

Concen: 48.196 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055376.D

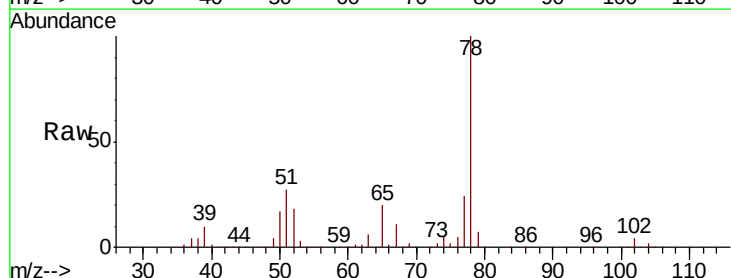
Acq: 3 May 2019 9:24

Tgt Ion: 78 Resp: 892468

Ion Ratio Lower Upper

78 100

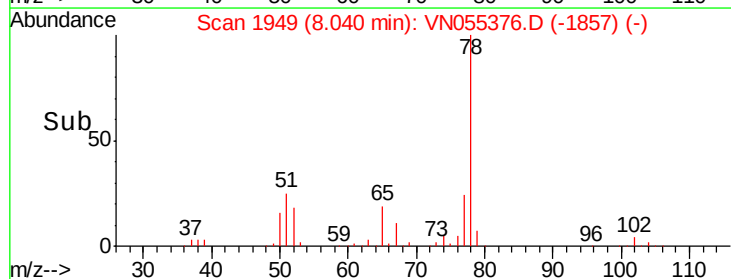
77 23.8 19.0 28.6

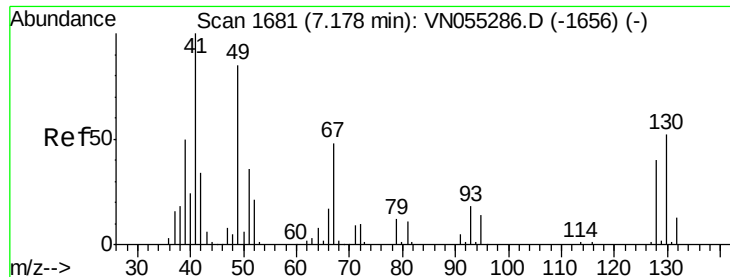


Abundance Ion 78.00 (77.70 to 78.70): VN055286.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-1929) (-)

Time-->

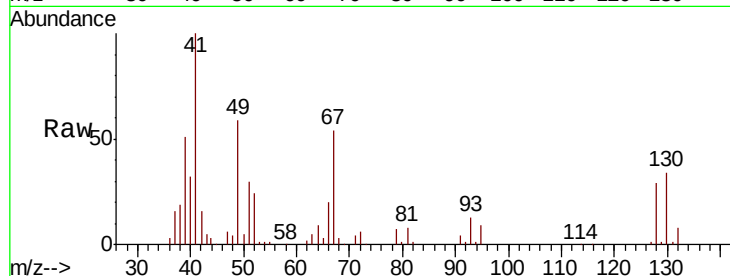




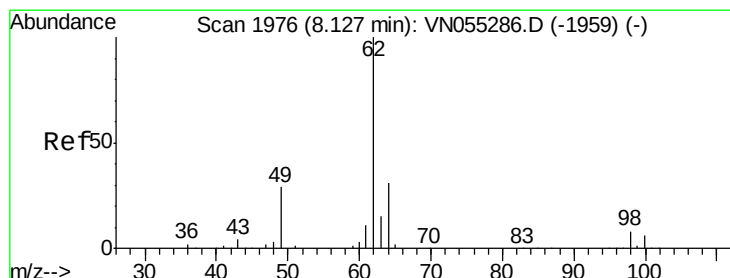
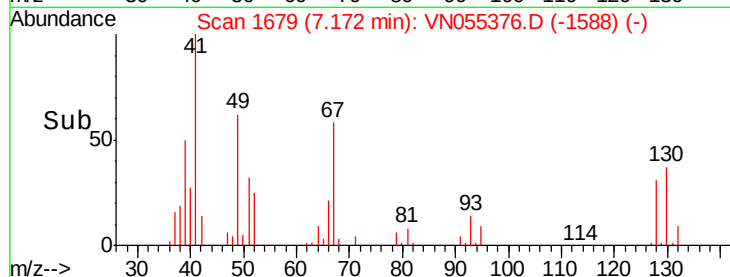
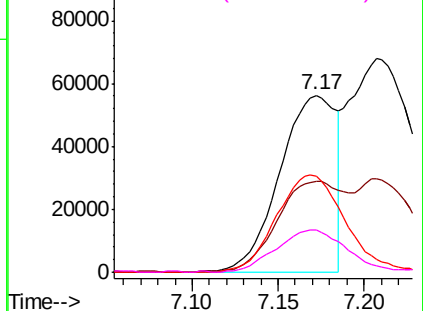
#41
Methacrylonitrile
Concen: 49.082 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	127849
Ion	Ratio	Lower	Upper
41	100		
39	65.3	48.5	72.7
67	68.6	54.9	82.3
52	29.8	24.9	37.3

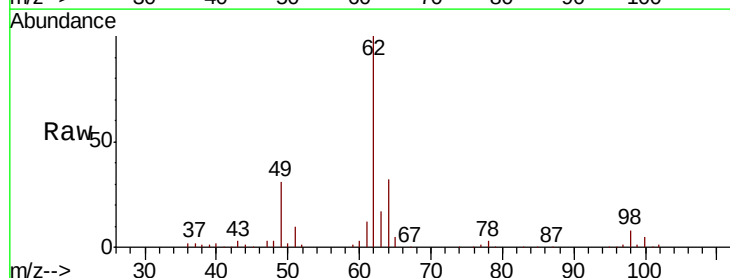


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

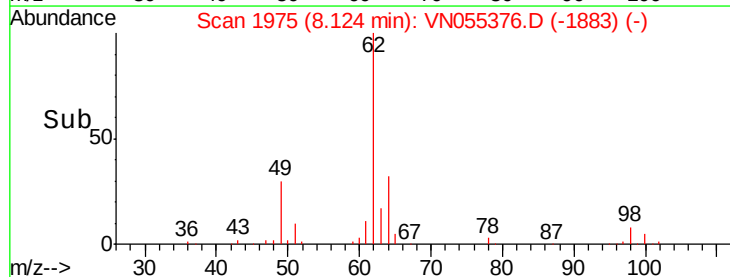
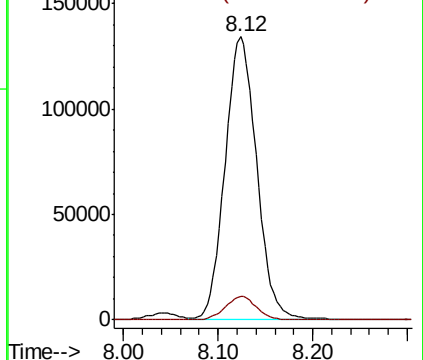


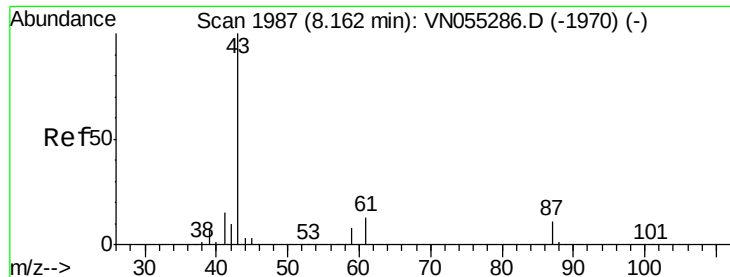
#42
1,2-Dichloroethane
Concen: 47.402 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion:	62	Resp:	310891
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.122 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

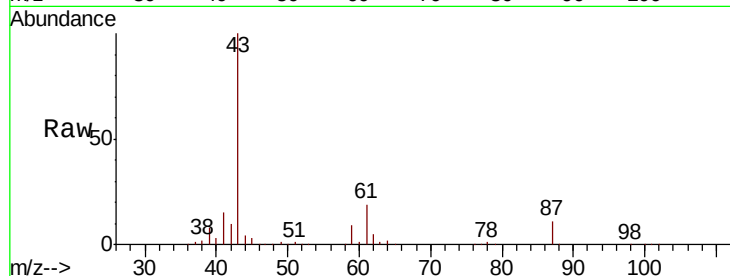
Tot Ion: 43 Resp: 380050

Ion Ratio Lower Upper

43 100

61 17.6 20.8 31.2#

87 10.9 8.5 12.7

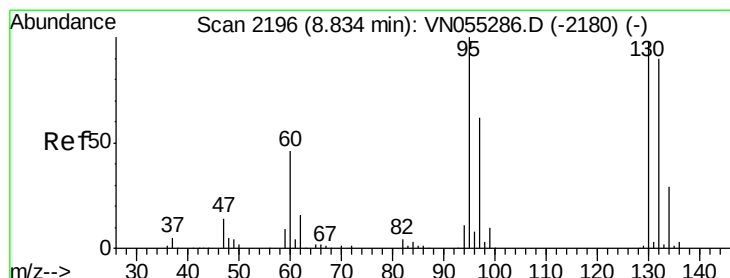
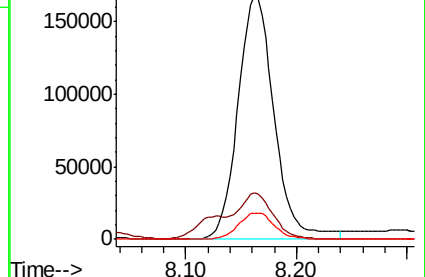
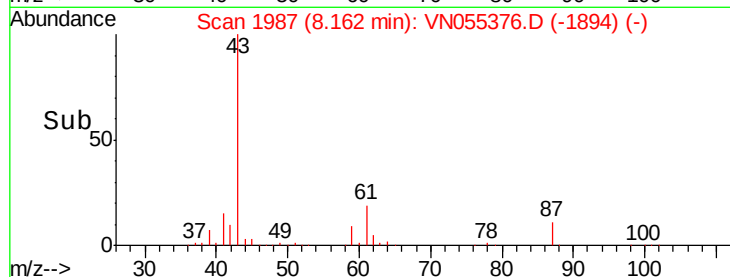


Abundance Ion 43.00 (42.70 to 43.70): VN055376.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN055376.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN055376.D (-1894) (-)

8.16



#44

Trichloroethene

Concen: 48.229 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055376.D

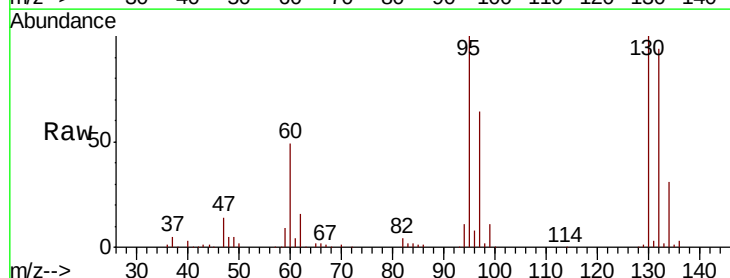
Acq: 3 May 2019 9:24

Tgt Ion:130 Resp: 227674

Ion Ratio Lower Upper

130 100

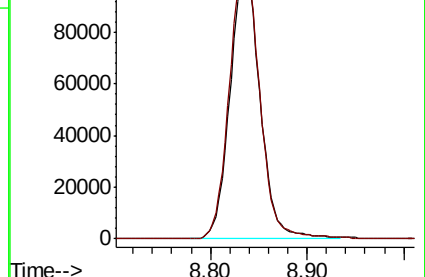
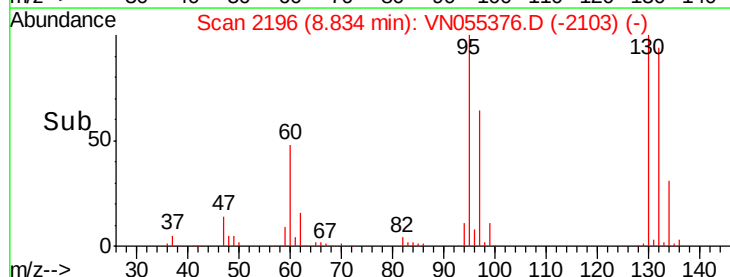
95 99.5 0.0 203.4

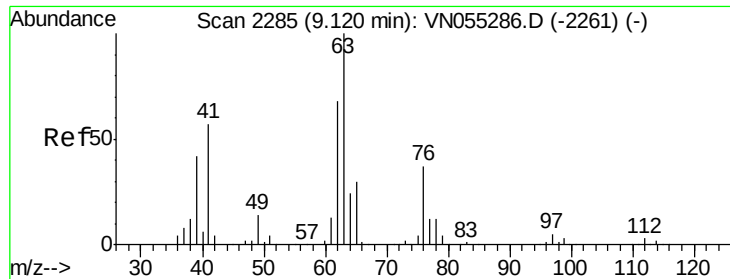


Abundance Ion 129.80 (129.50 to 130.50): VN055376.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055376.D (-2103) (-)

8.83

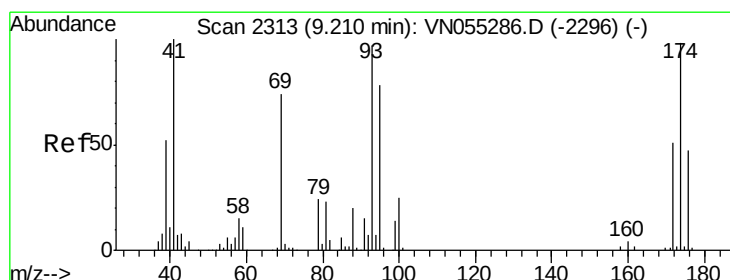
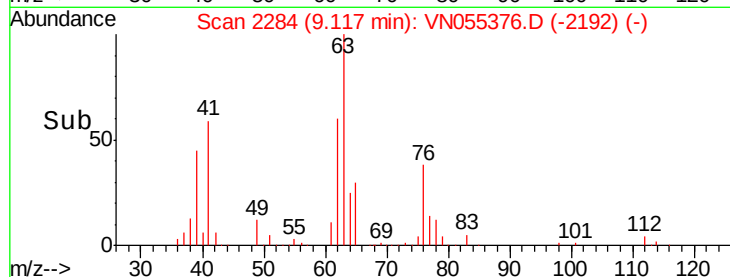
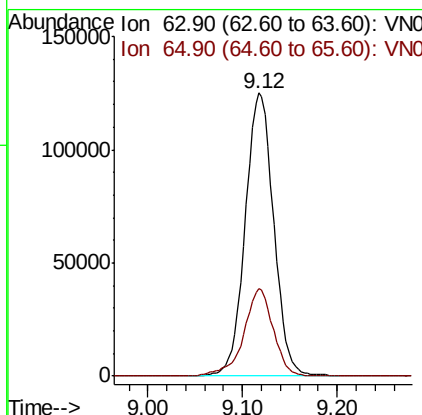
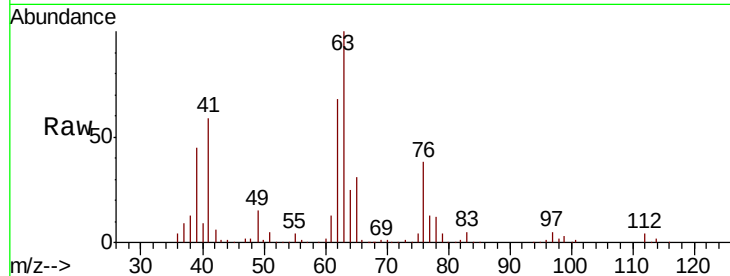




#45
 1,2-Dichloropropane
 Concen: 49.071 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

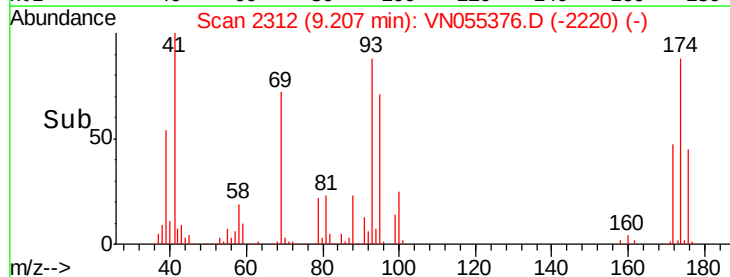
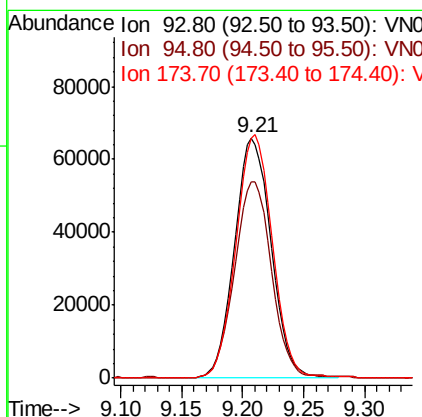
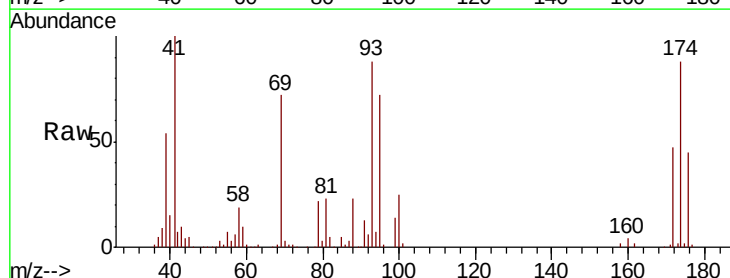
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

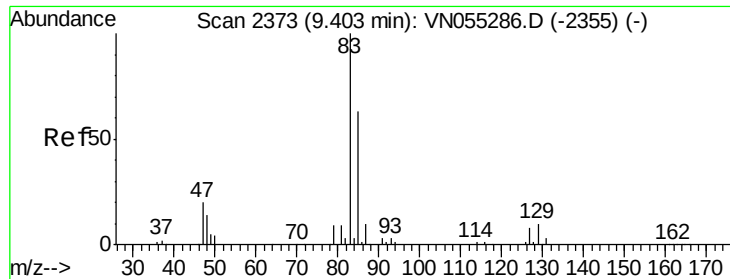
Tot Ion: 63 Resp: 262077
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.9 35.9



#46
 Dibromomethane
 Concen: 47.027 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 93 Resp: 137285
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.7 98.5
 174 101.1 81.5 122.3





#47

Bromodichloromethane

Concen: 49.472 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

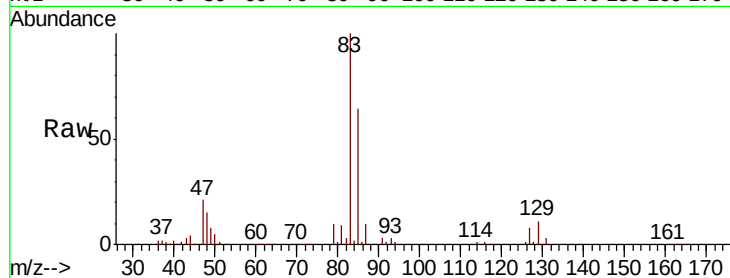
Tot Ion: 83 Resp: 309830

Ion Ratio Lower Upper

83 100

85 64.1 50.1 75.1

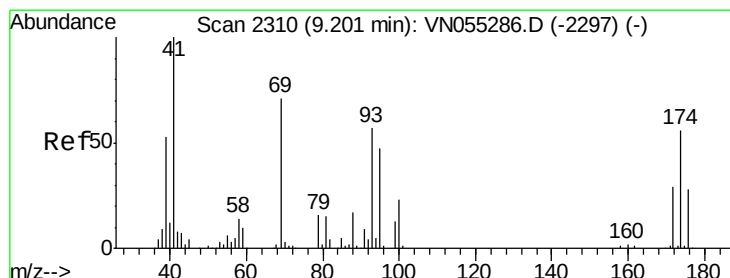
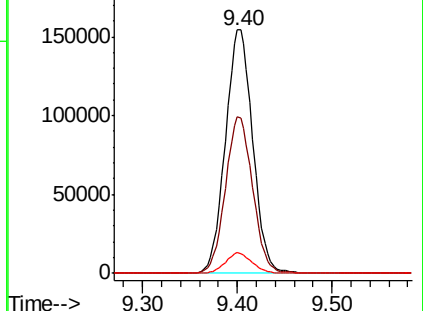
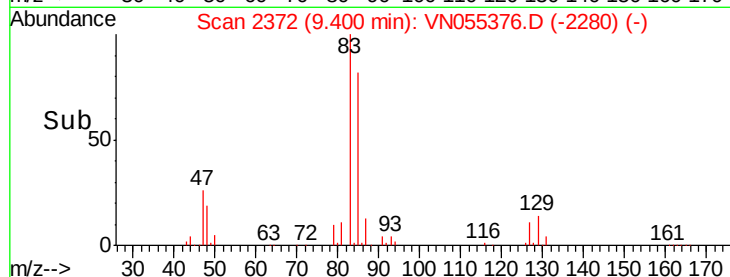
127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055376.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN055376.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN055376.D (-2355) (-)



#48

Methyl methacrylate

Concen: 47.651 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

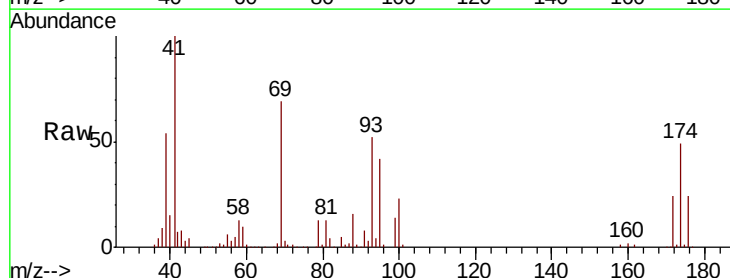
Tgt Ion: 41 Resp: 181236

Ion Ratio Lower Upper

41 100

69 72.1 58.6 87.8

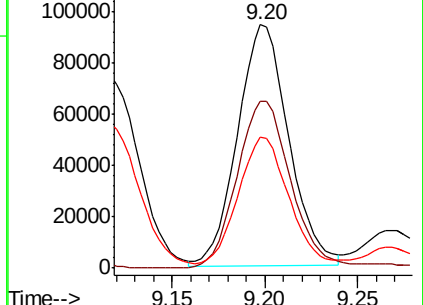
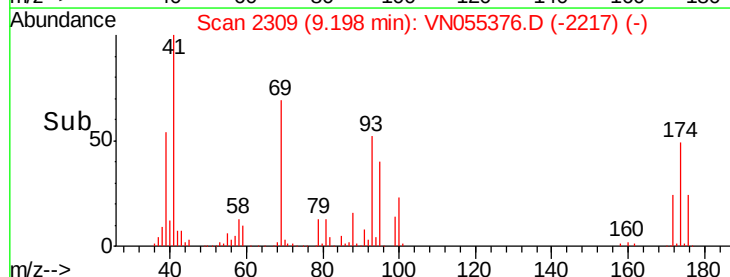
39 54.0 43.8 65.6

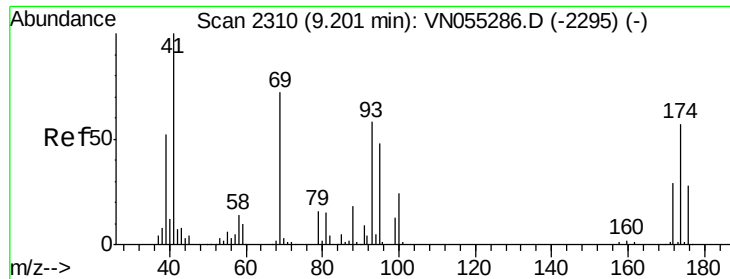


Abundance Ion 41.00 (40.70 to 41.70): VN055376.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055376.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055376.D (-2217) (-)





#49

1,4-Dioxane

Concen: 941.393 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

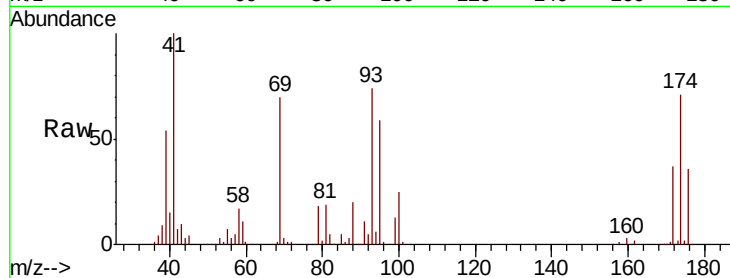
Tot Ion: 88 Resp: 37013

Ion Ratio Lower Upper

88 100

43 42.4 33.3 49.9

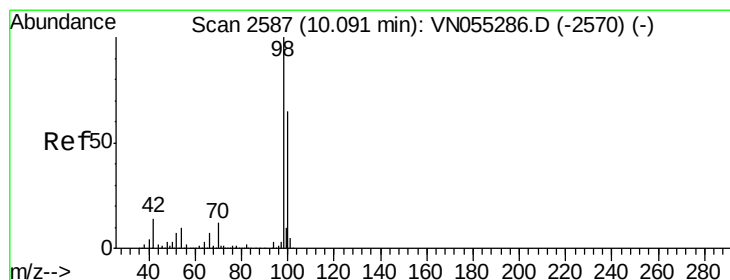
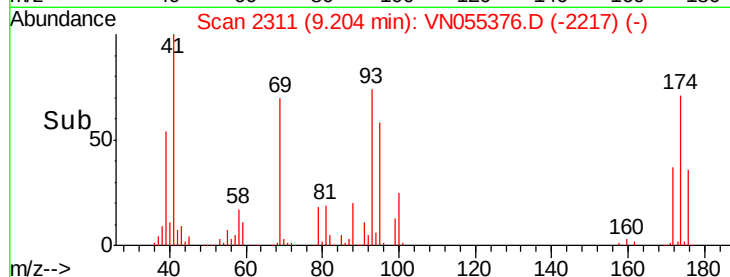
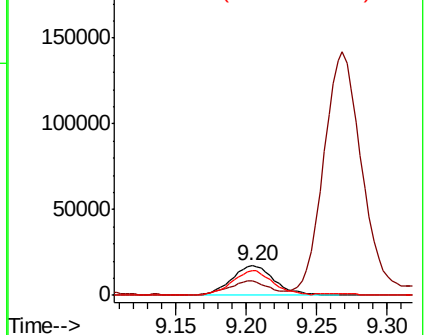
58 79.1 62.7 94.1



Abundance Ion 88.00 (87.70 to 88.70): VN055376.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN055376.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055376.D (-2217) (-)



#50

Toluene-d8

Concen: 49.478 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055376.D

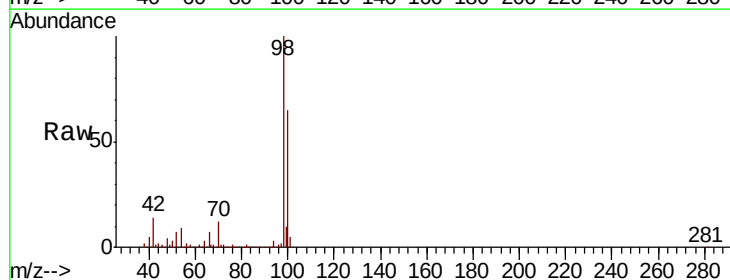
Acq: 3 May 2019 9:24

Tgt Ion: 98 Resp: 769031

Ion Ratio Lower Upper

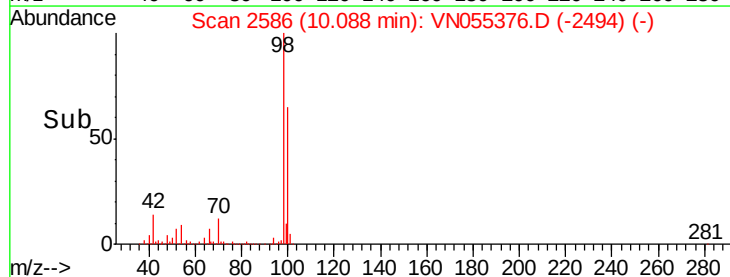
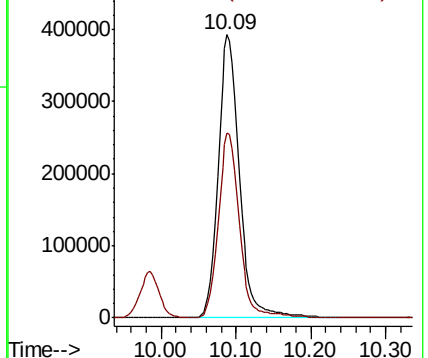
98 100

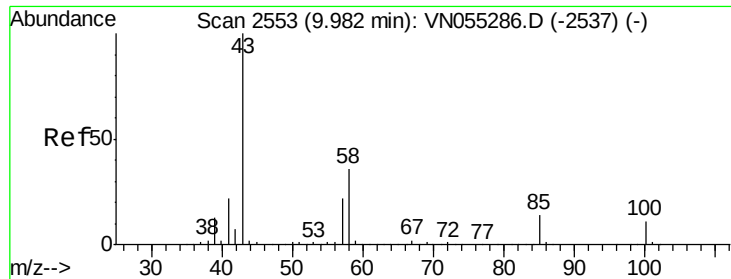
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055376.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055376.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 232.328 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

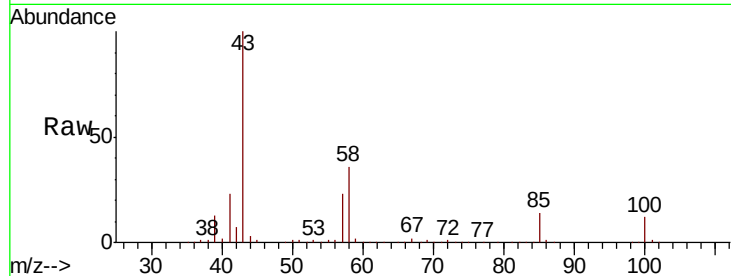
VSTDCCC050

Tot Ion: 43 Resp: 1012004

Ion Ratio Lower Upper

43 100

58 35.1 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

600000

500000

400000

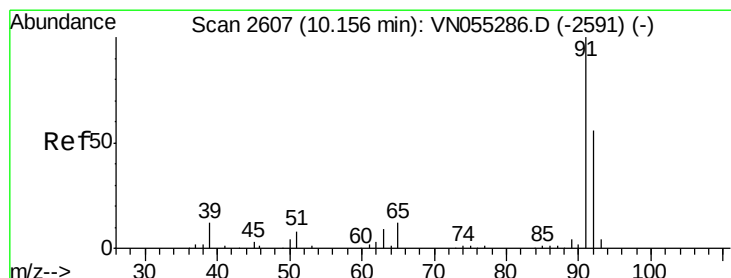
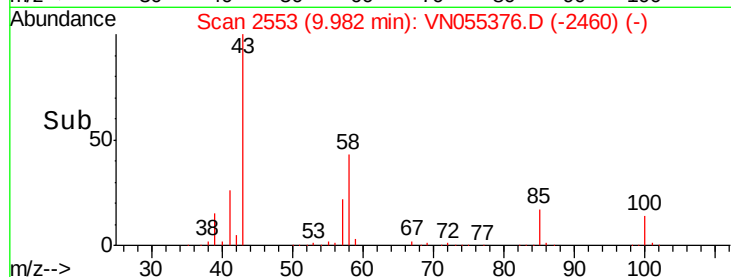
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.523 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055376.D

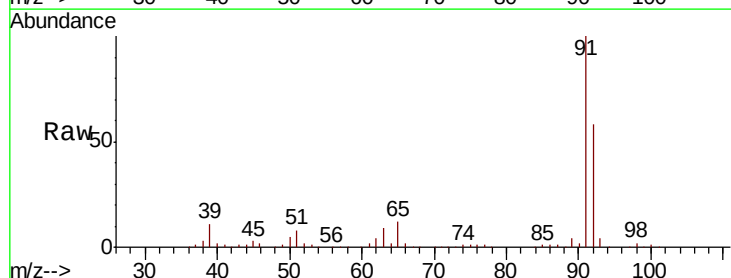
Acq: 3 May 2019 9:24

Tgt Ion: 92 Resp: 526174

Ion Ratio Lower Upper

92 100

91 174.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

500000

400000

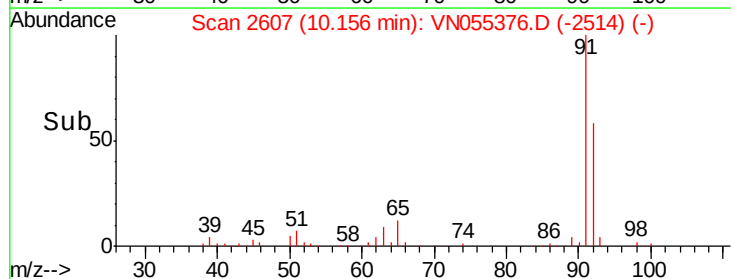
300000

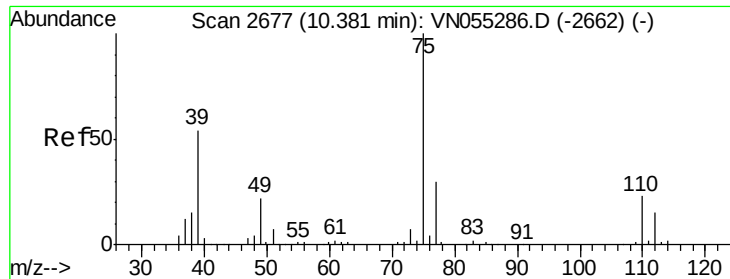
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.009 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

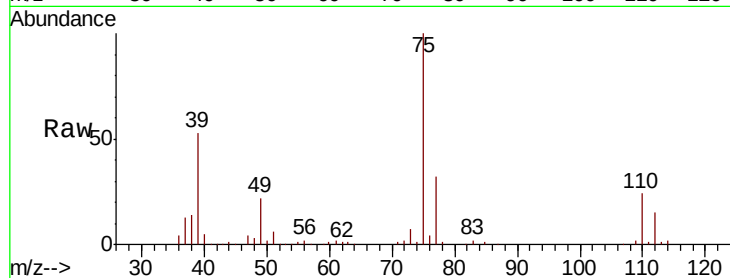
VSTDCCC050

Tot Ion: 75 Resp: 282757

Ion Ratio Lower Upper

75 100

77 31.9 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

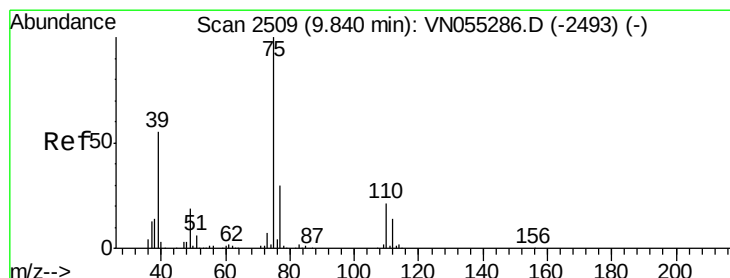
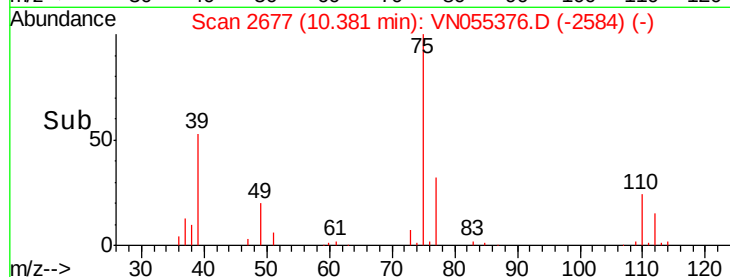
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.029 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

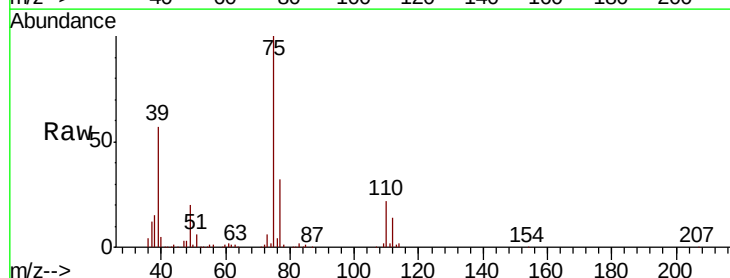
Tgt Ion: 75 Resp: 352679

Ion Ratio Lower Upper

75 100

77 32.2 24.2 36.2

39 56.6 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

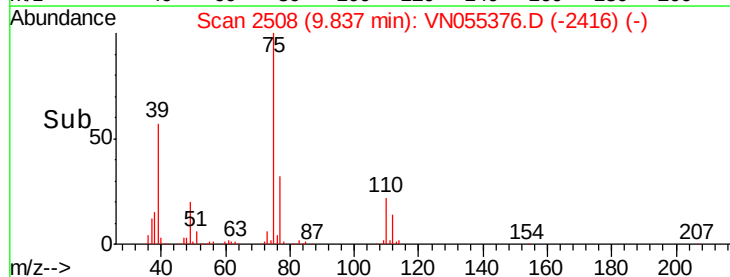
150000

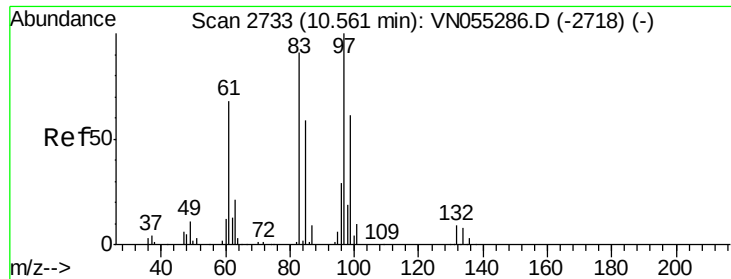
100000

50000

0

Time-->

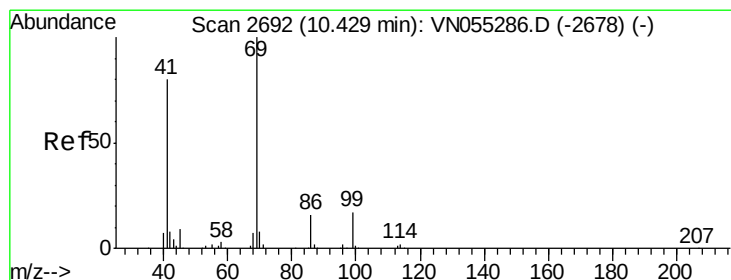
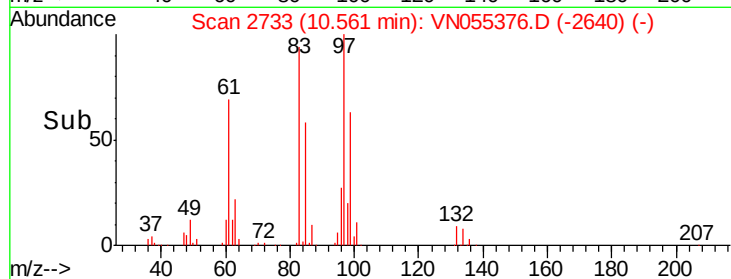
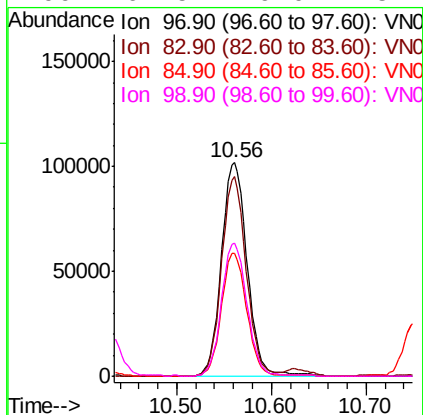
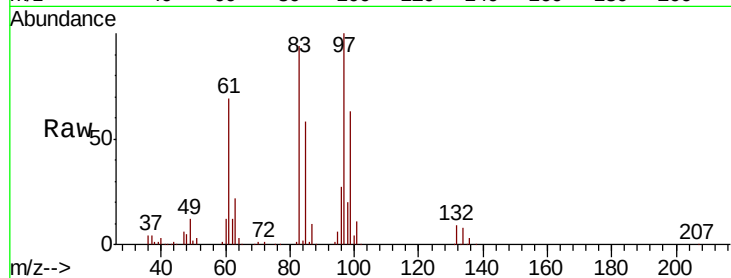




#55
 1,1,2-Trichloroethane
 Concen: 48.885 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

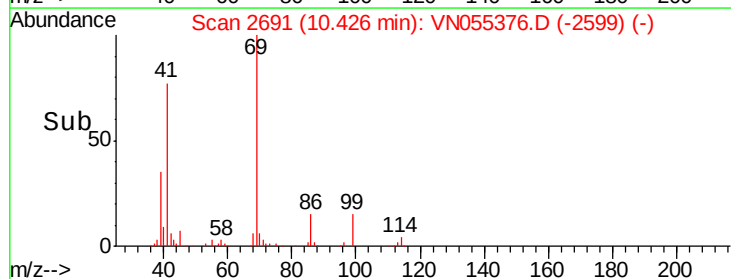
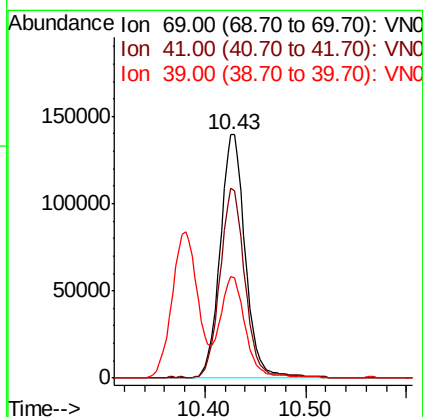
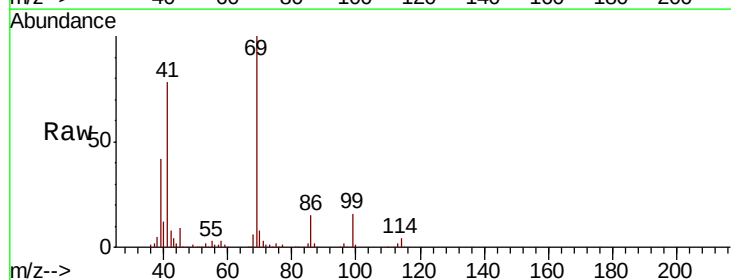
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

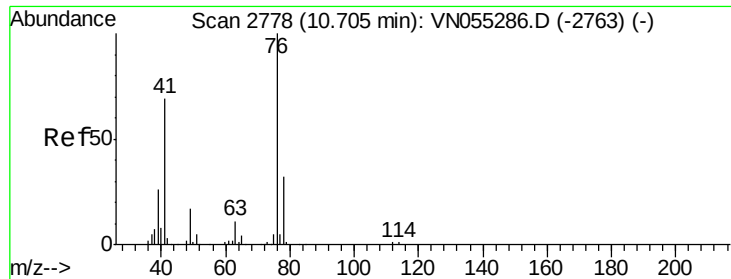
Tot Ion	97	Resp	192873
Ion	Ratio	Lower	Upper
97	100		
83	93.7	72.8	109.2
85	57.6	47.0	70.6
99	62.5	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 50.116 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	69	Resp	243371
Ion	Ratio	Lower	Upper
69	100		
41	76.8	62.7	94.1
39	40.8	32.0	48.0





#57

1,3-Dichloropropane

Concen: 48.938 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

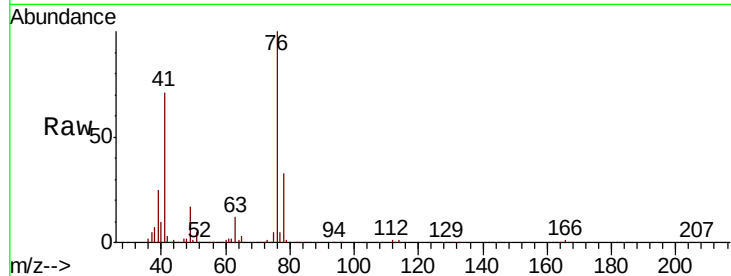
VSTDCCC050

Tot Ion: 76 Resp: 338719

Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

150000

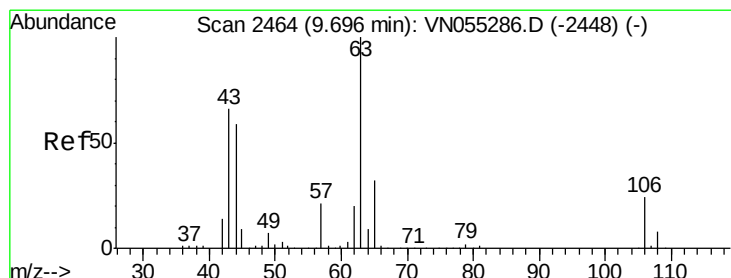
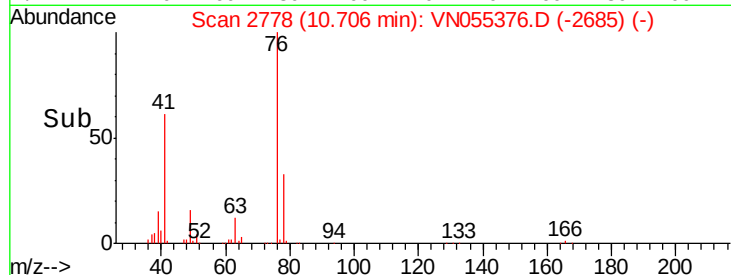
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 208.923 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055376.D

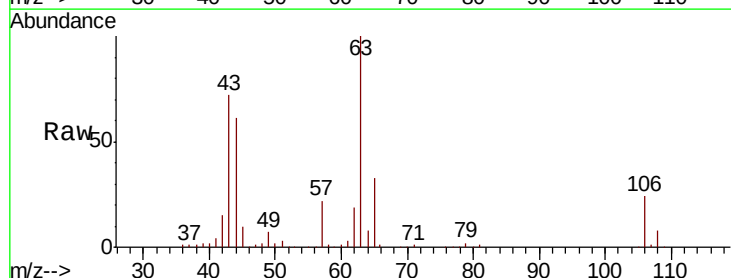
Acq: 3 May 2019 9:24

Tgt Ion: 63 Resp: 311638

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

200000

150000

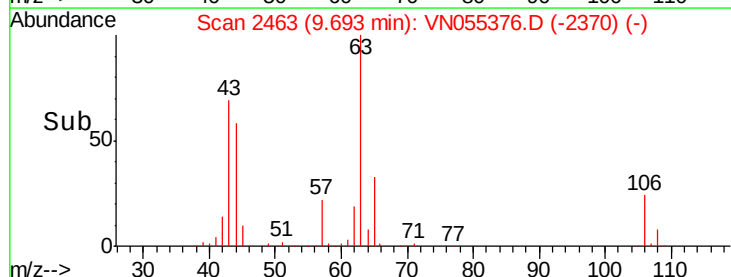
100000

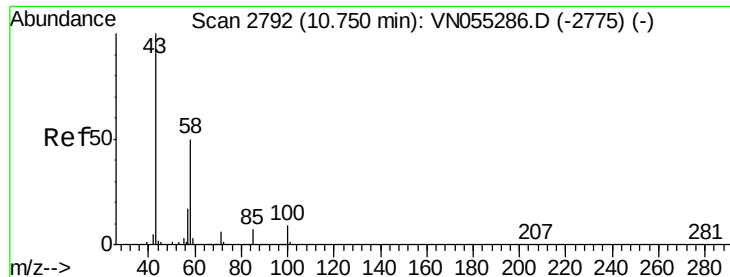
50000

0

Time-->

9.60 9.65 9.70 9.75

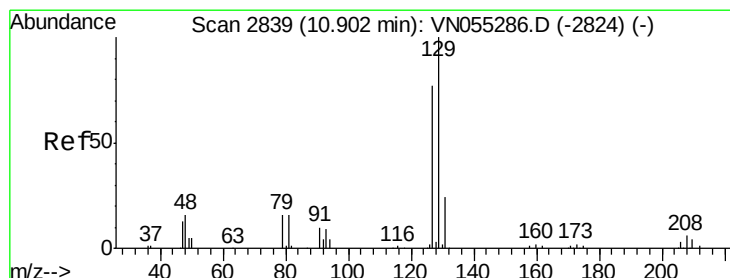
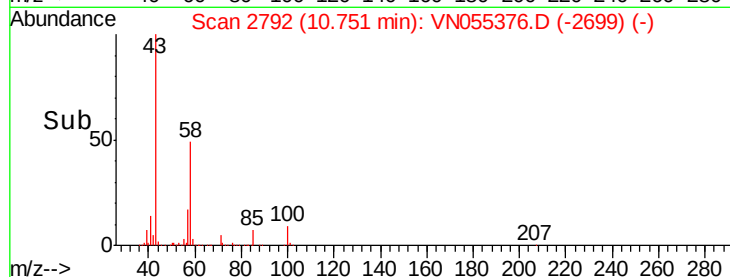
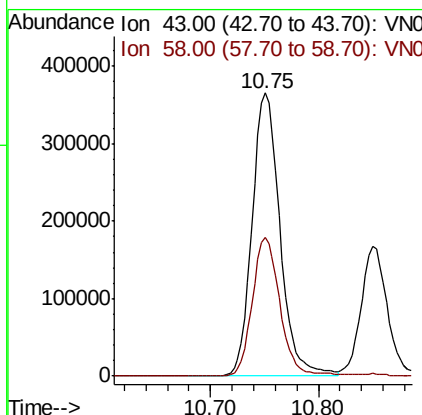
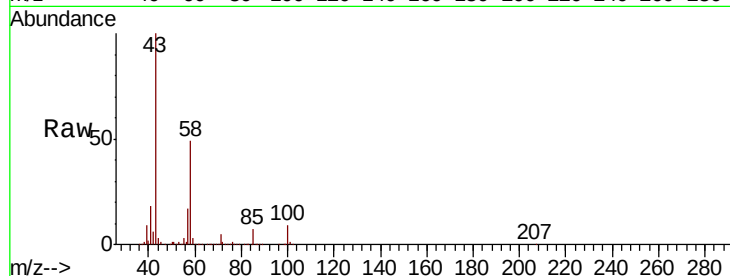




#59
2-Hexanone
Concen: 240.350 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

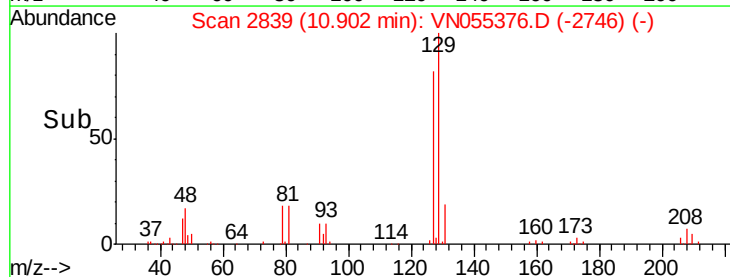
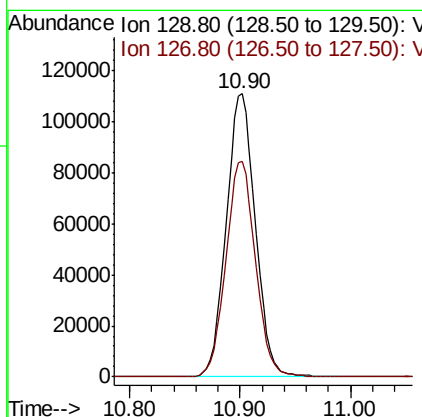
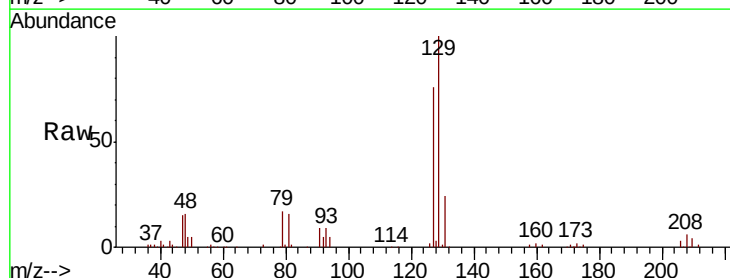
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

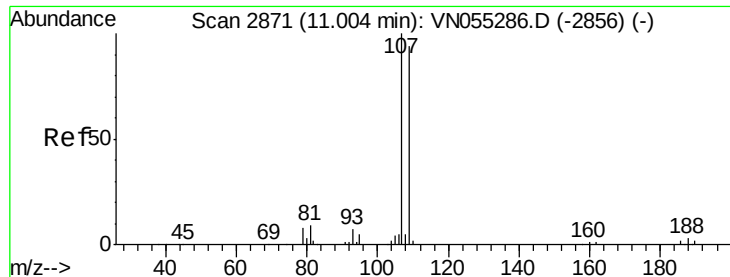
Tot Ion: 43 Resp: 655060
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6



#60
Dibromochloromethane
Concen: 50.320 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 129 Resp: 202910
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5





#61

1,2-Dibromoethane

Concen: 48.424 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

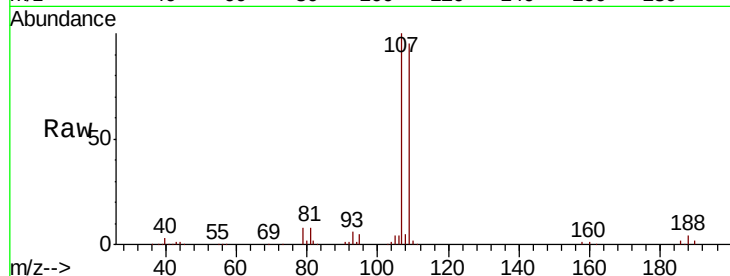
VSTDCCC050

Tot Ion: 107 Resp: 176587

Ion Ratio Lower Upper

107 100

109 94.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

100000

80000

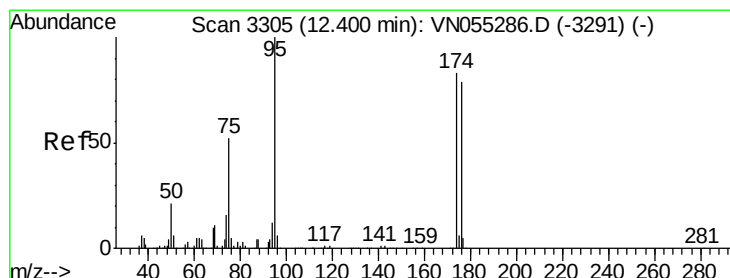
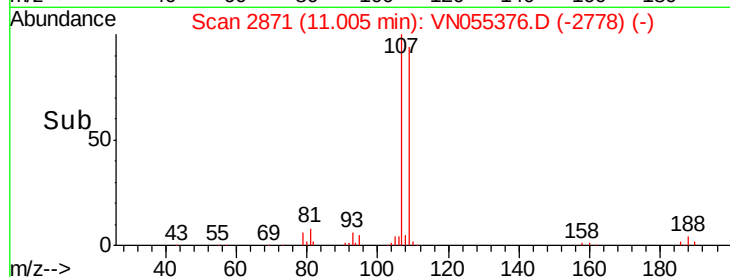
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.989 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

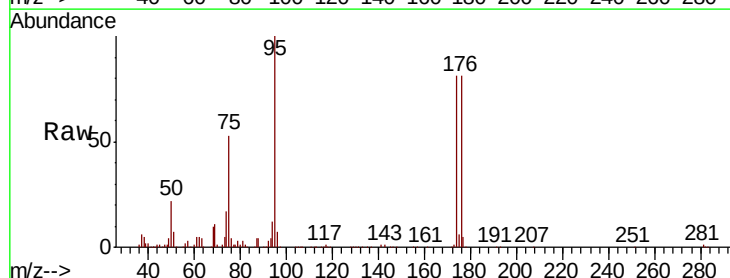
Tgt Ion: 95 Resp: 257403

Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.6

176 81.3 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

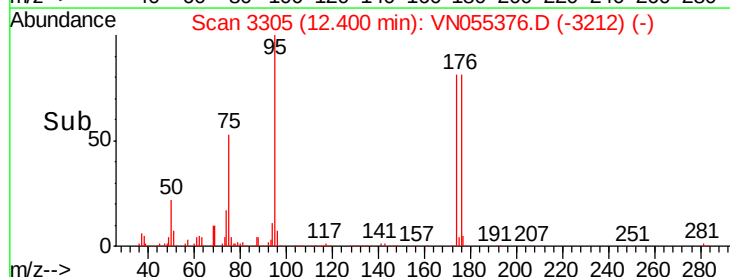
150000

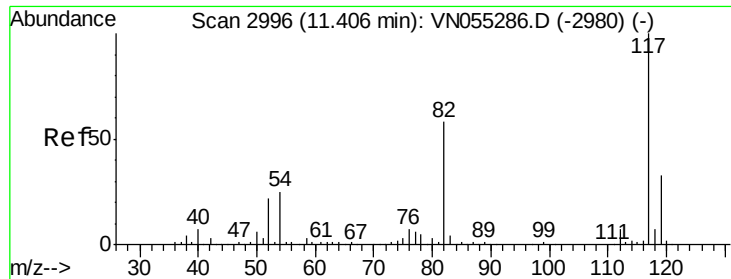
100000

50000

0

Time--> 12.35 12.40 12.45

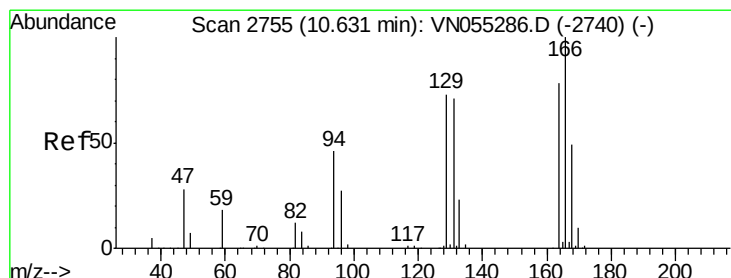
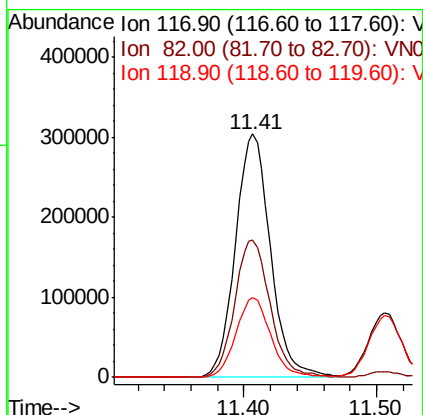
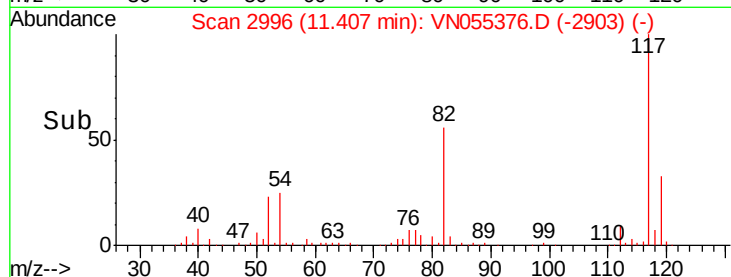
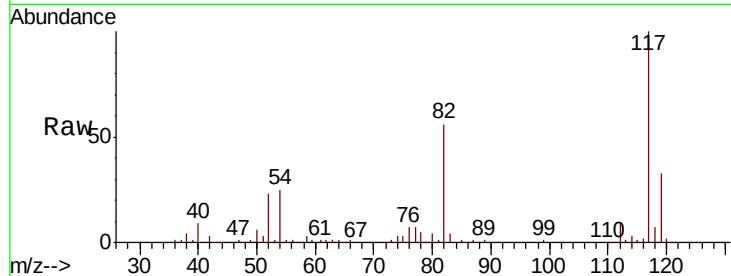




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

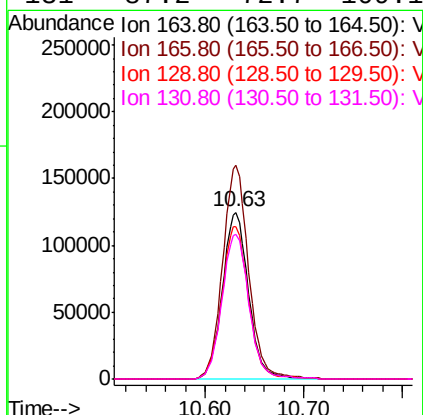
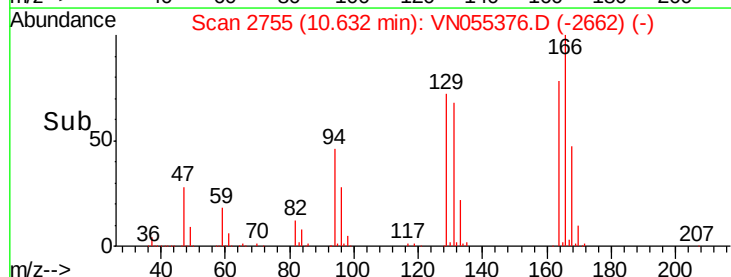
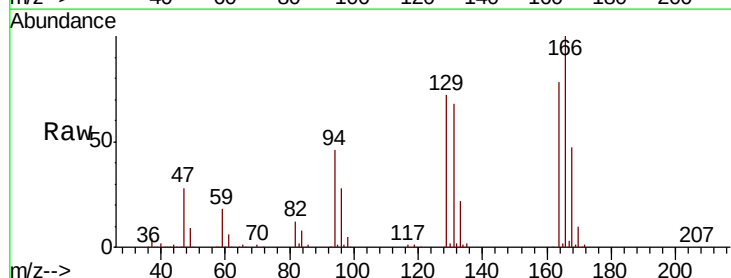
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

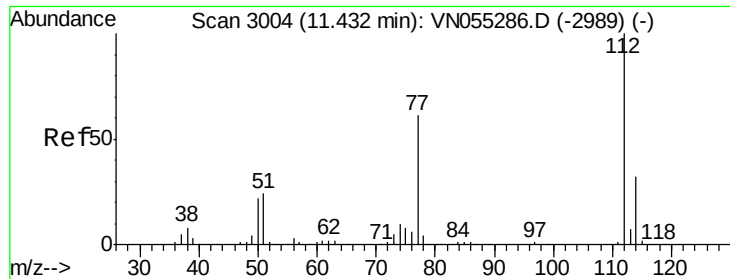
Tot Ion:117 Resp: 558978
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.4
119 32.7 26.6 40.0



#64
Tetrachloroethene
Concen: 50.692 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion:164 Resp: 231724
Ion Ratio Lower Upper
164 100
166 128.2 102.3 153.5
129 91.8 75.0 112.6
131 87.2 72.7 109.1

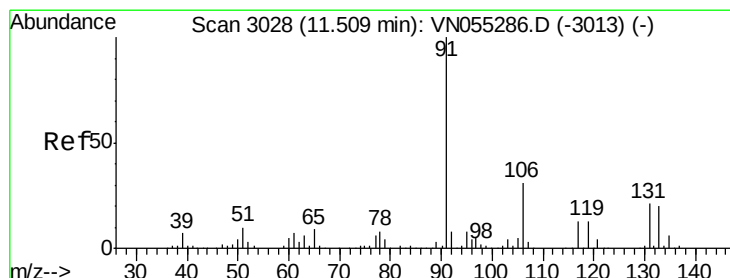
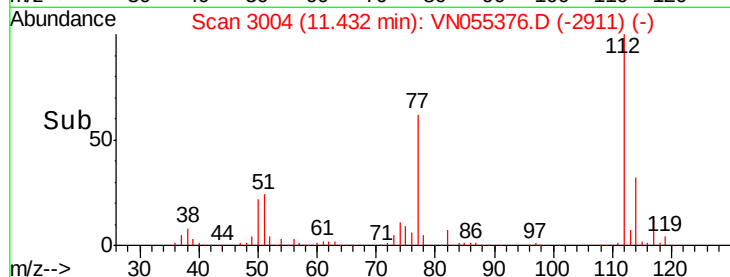
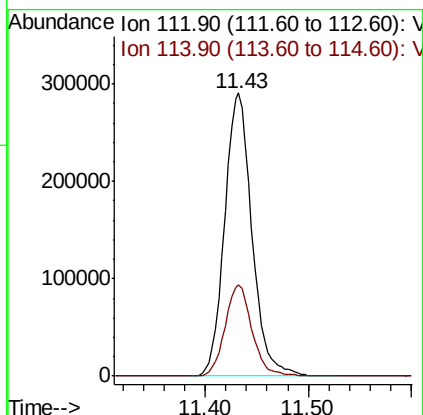
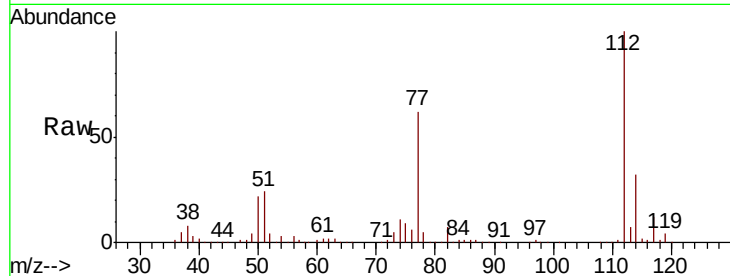




#65
Chlorobenzene
Concen: 48.955 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

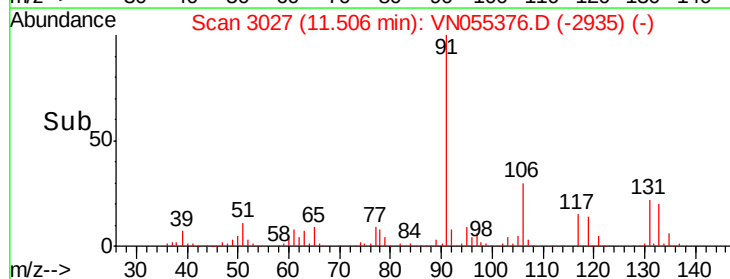
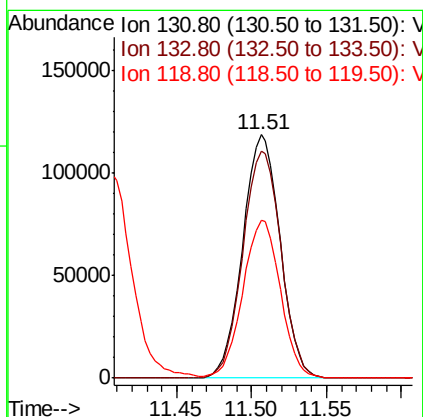
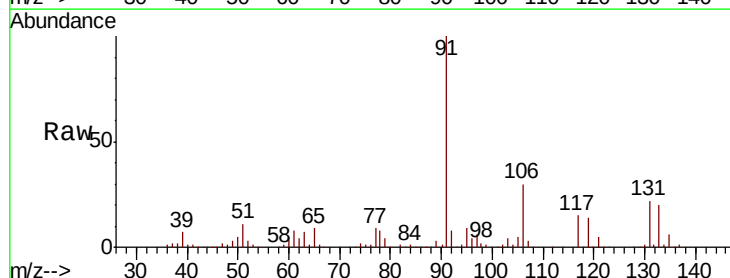
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

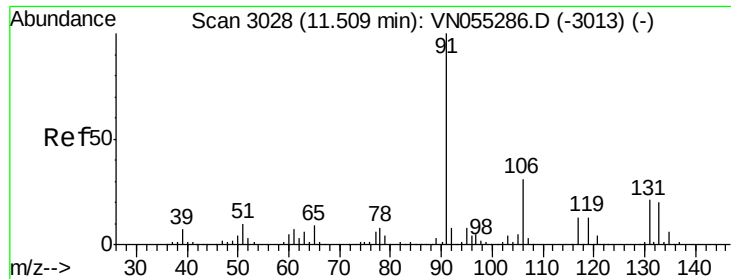
Tot Ion:112 Resp: 535019
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.224 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion:131 Resp: 206368
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.6
119 65.2 32.7 98.1

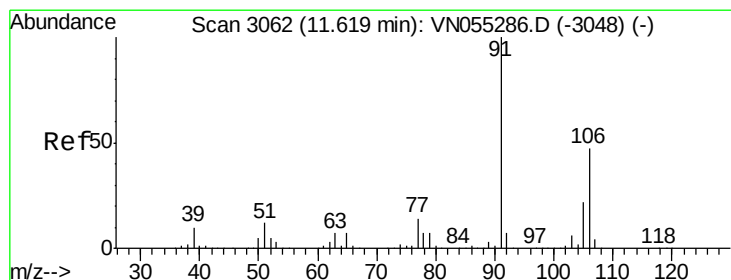
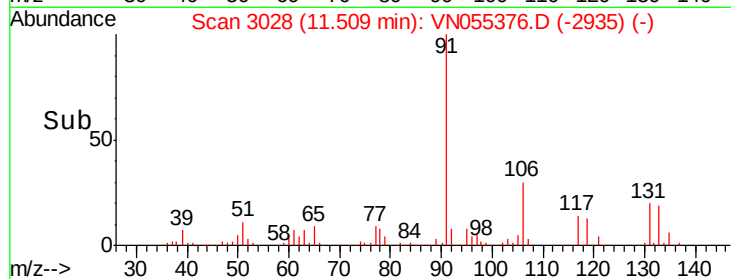
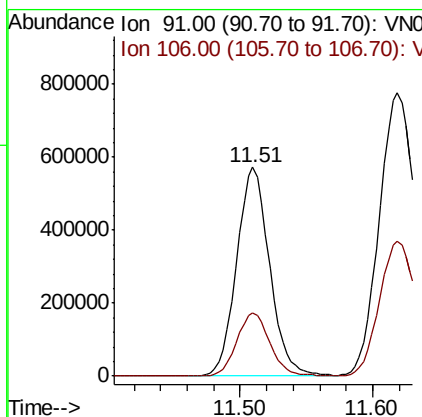
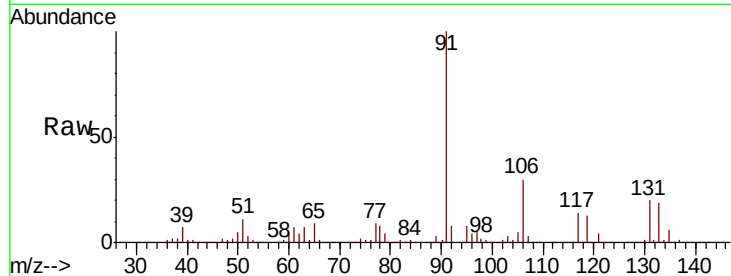




#67
Ethyl Benzene
Concen: 50.041 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

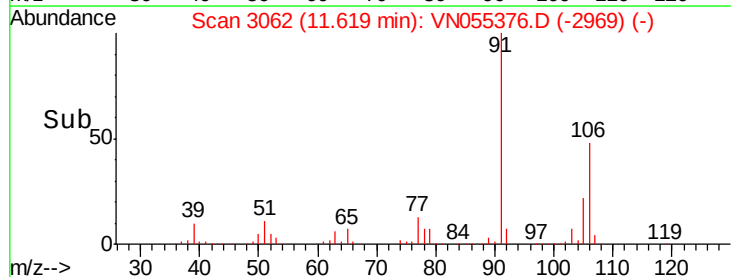
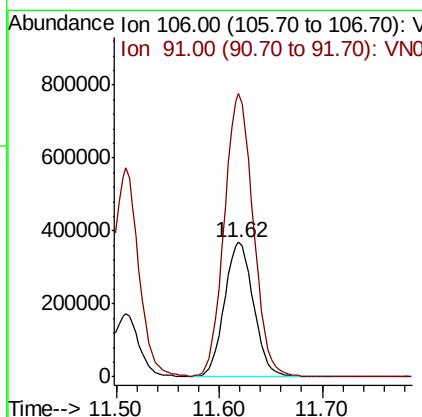
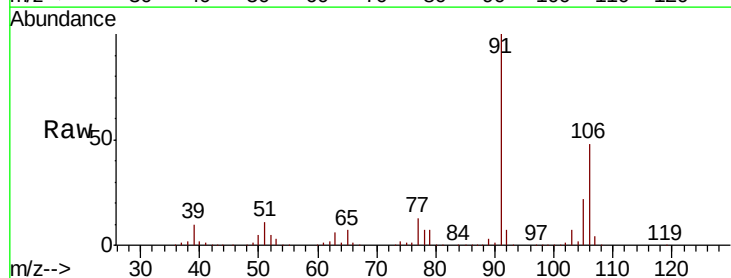
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

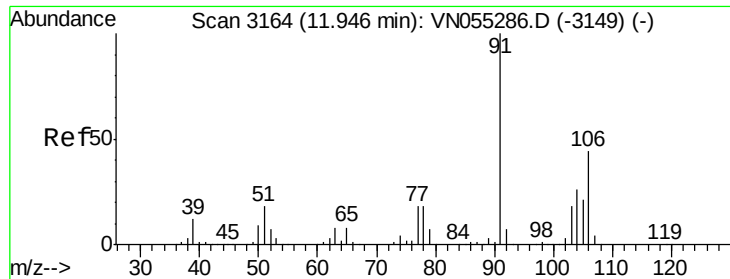
Tot Ion: 91 Resp: 987574
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8



#68
m/p-Xylenes
Concen: 102.950 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 106 Resp: 725215
Ion Ratio Lower Upper
106 100
91 209.2 169.5 254.3

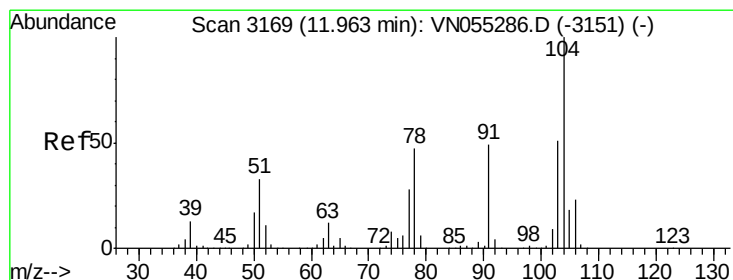
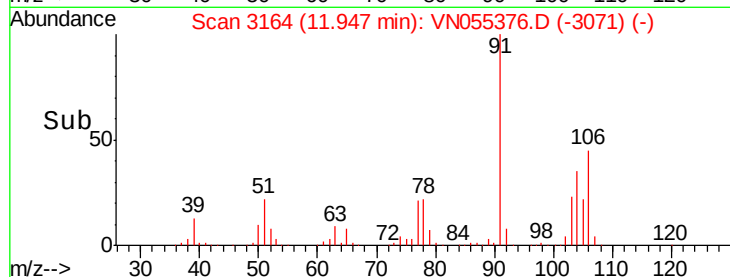
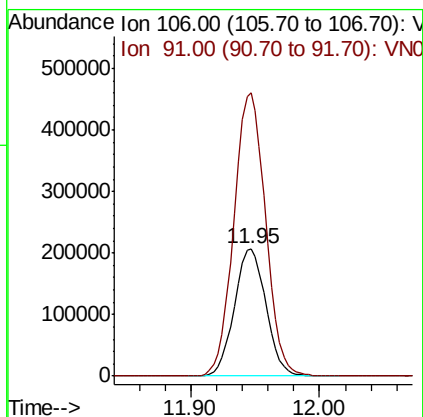
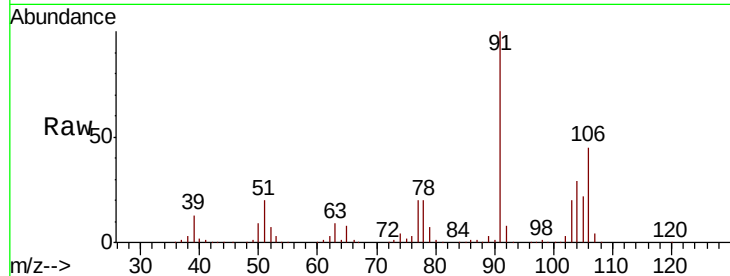




#69
o-Xylene
Concen: 50.482 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

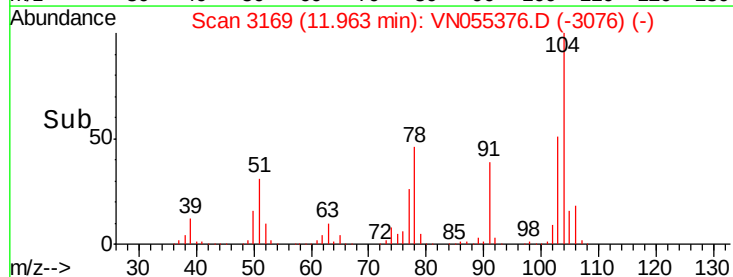
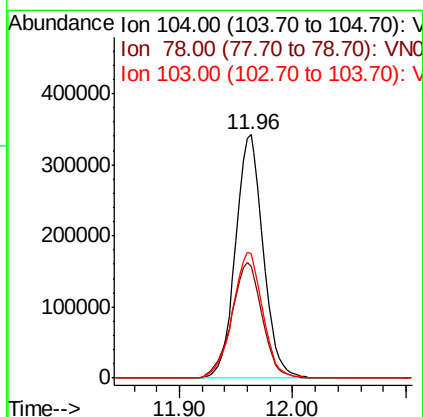
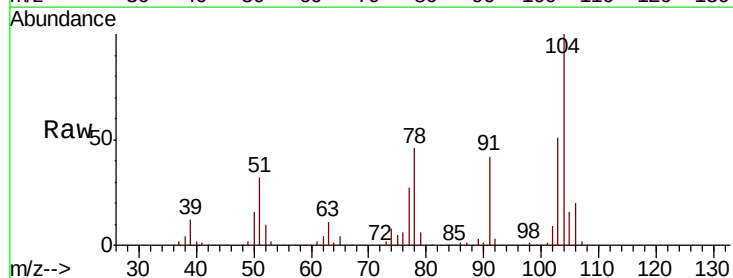
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

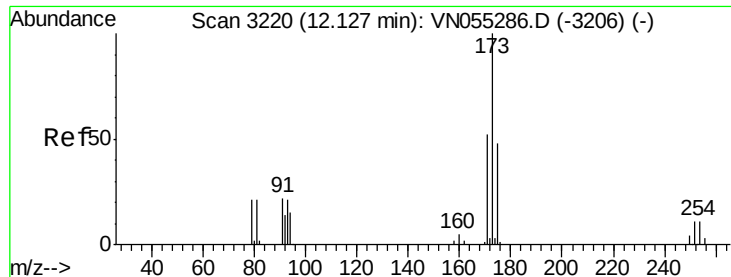
Tot Ion:106 Resp: 352471
Ion Ratio Lower Upper
106 100
91 222.5 111.5 334.5



#70
Styrene
Concen: 54.228 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion:104 Resp: 581343
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 56.2 44.6 67.0





#71

Bromoform

Concen: 51.200 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

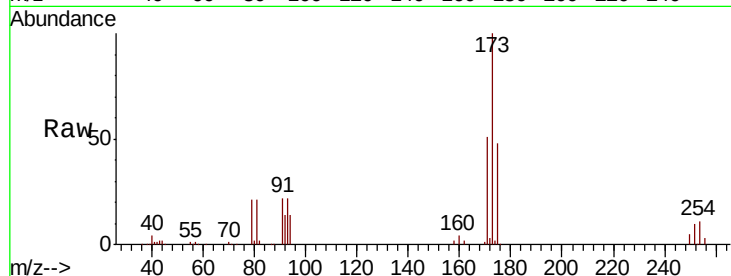
Tot Ion:173 Resp: 121577

Ion Ratio Lower Upper

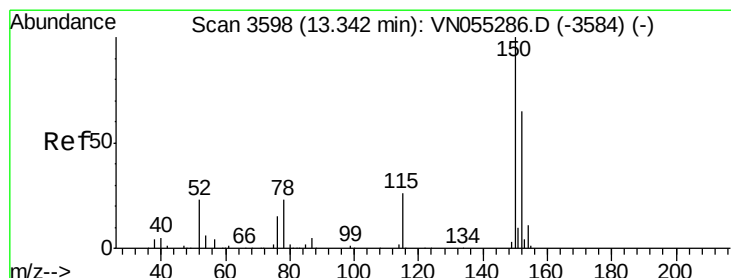
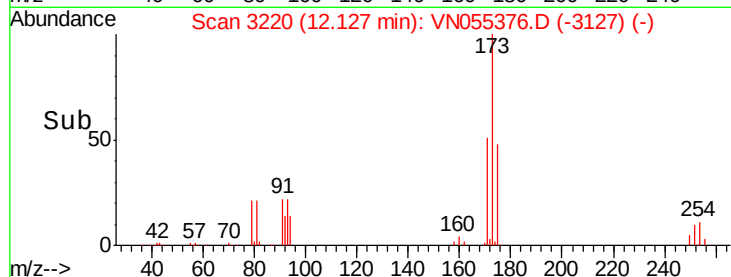
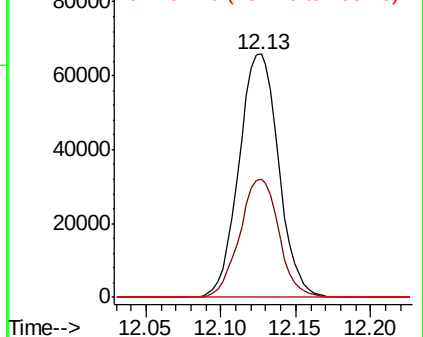
173 100

175 47.8 23.6 71.0

254 0.0 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# 3598

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

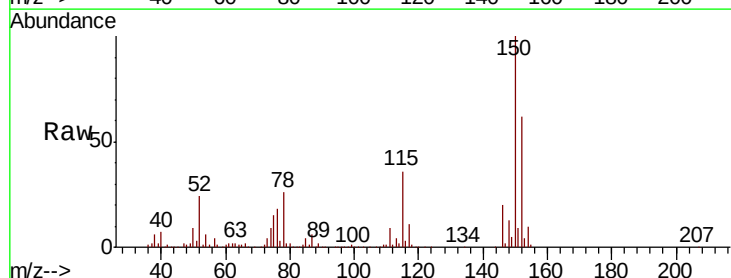
Tgt Ion:152 Resp: 230623

Ion Ratio Lower Upper

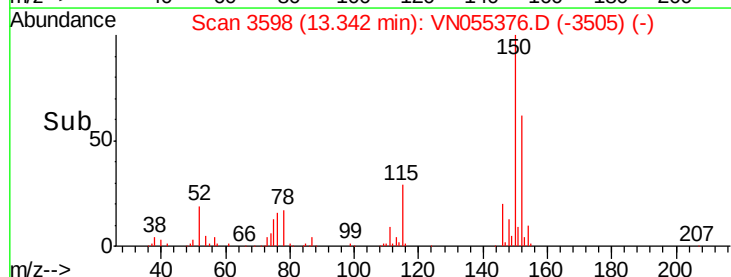
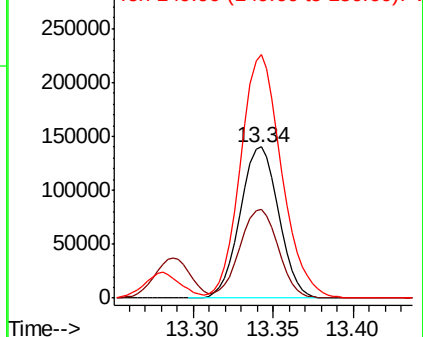
152 100

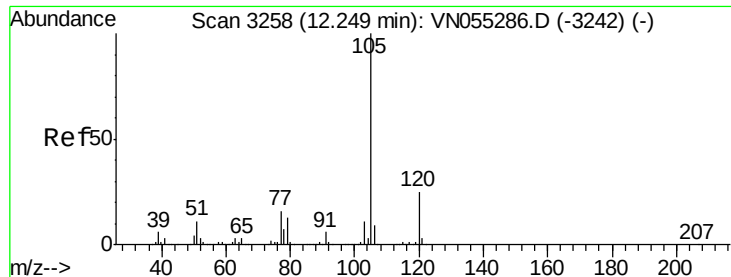
115 59.0 29.0 87.0

150 171.5 0.0 345.6



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: 52.357 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

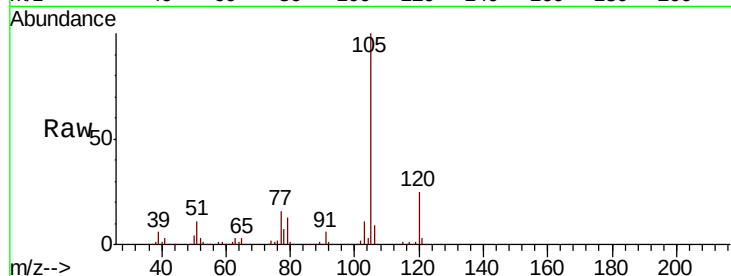
VSTDCCC050

Tot Ion:105 Resp: 958050

Ion Ratio Lower Upper

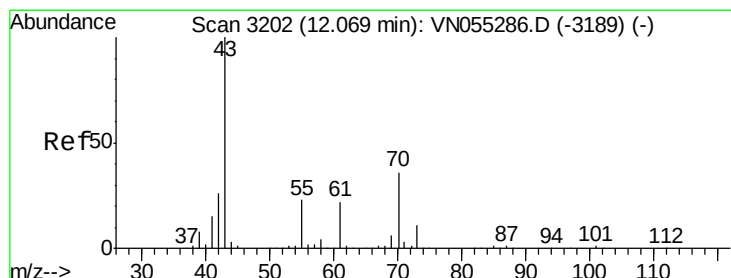
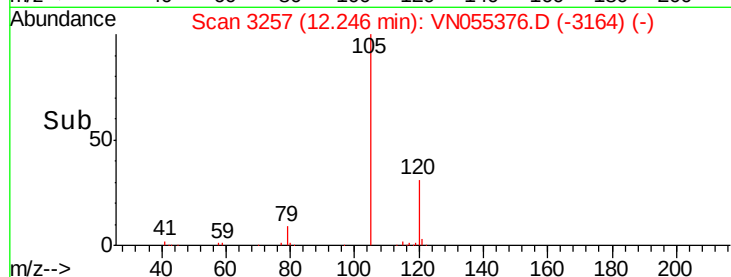
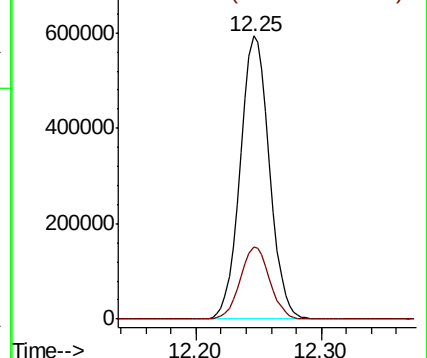
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.900 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Tgt Ion: 43 Resp: 265746

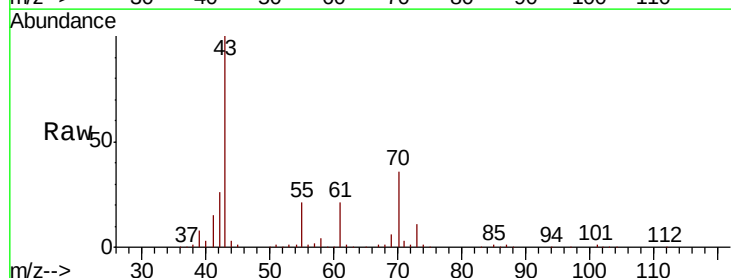
Ion Ratio Lower Upper

43 100

70 35.9 27.9 41.9

55 21.9 18.2 27.2

61 20.9 16.9 25.3

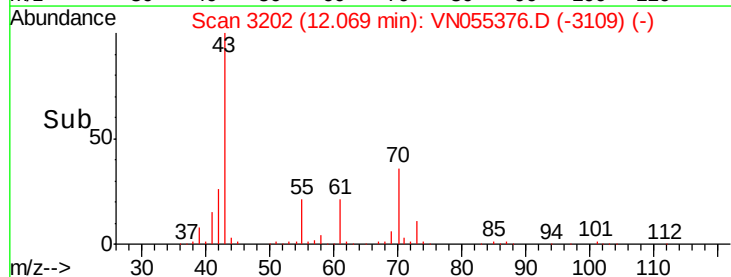
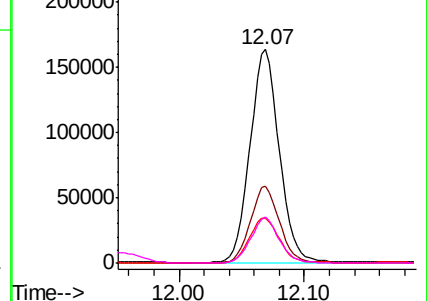


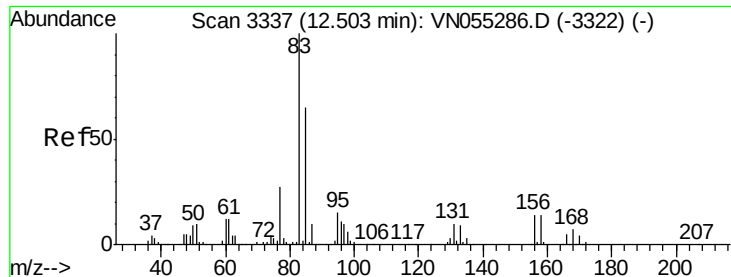
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.126 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

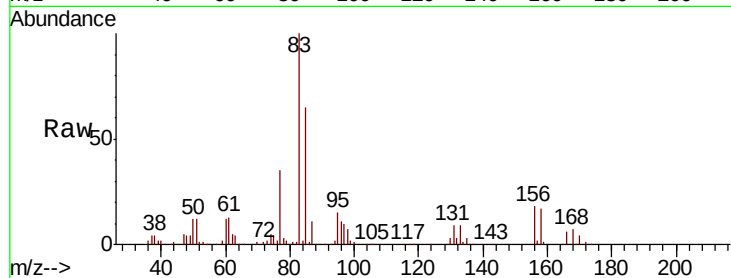
Tot Ion: 83 Resp: 211896

Ion Ratio Lower Upper

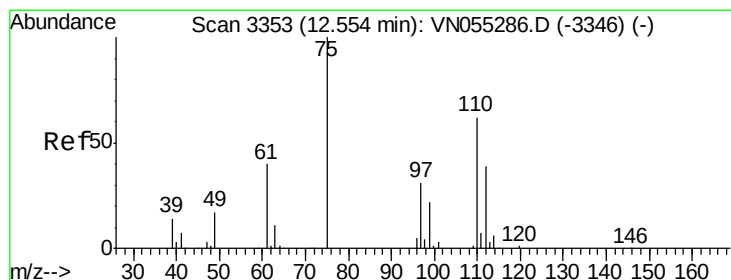
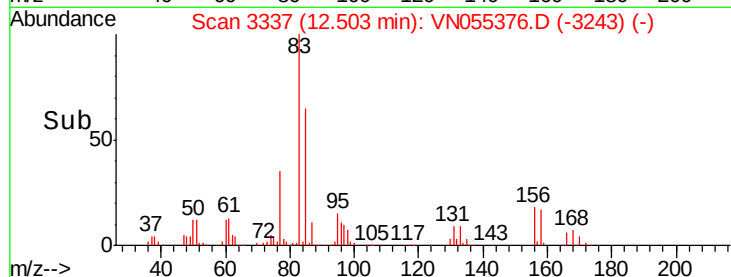
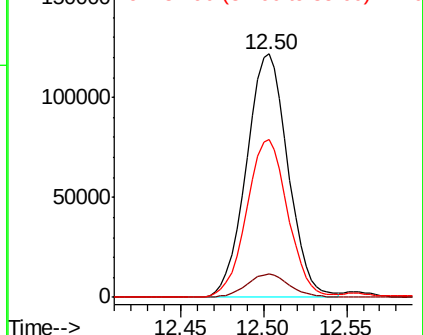
83 100

131 9.8 5.1 15.2

85 64.1 32.3 96.8



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: 62.224 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055376.D

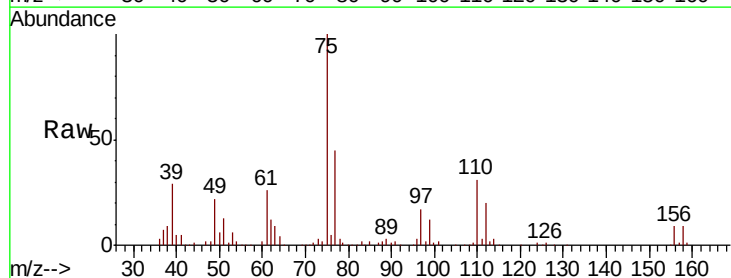
Acq: 3 May 2019 9:24

Tgt Ion: 75 Resp: 264097

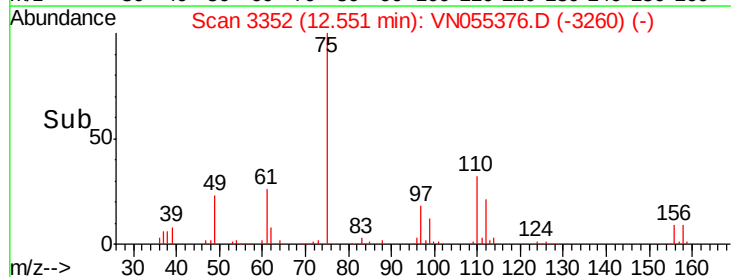
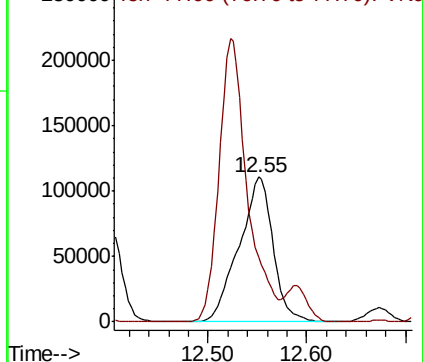
Ion Ratio Lower Upper

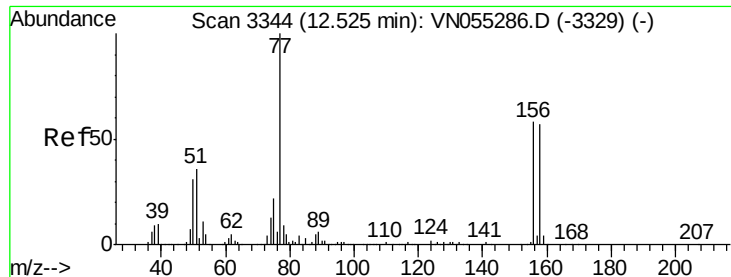
75 100

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: 50.297 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

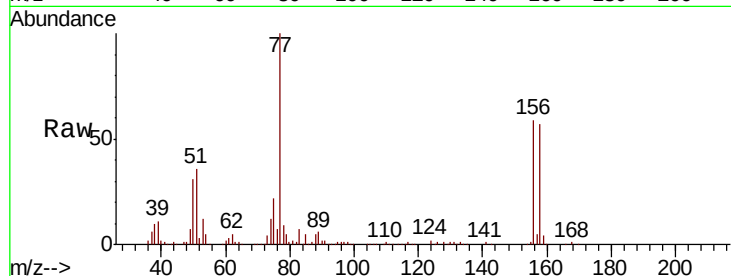
Tot Ion:156 Resp: 221221

Ion Ratio Lower Upper

156 100

77 198.3 99.6 298.8

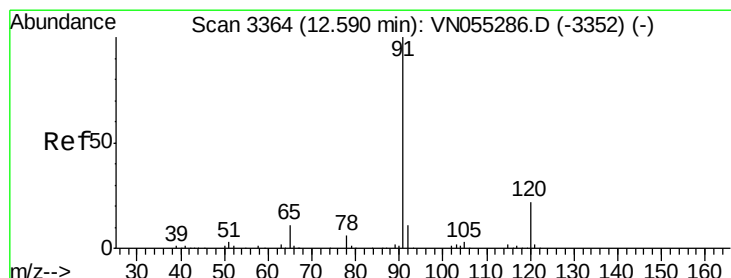
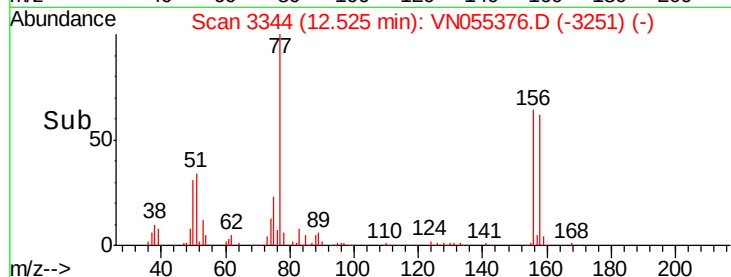
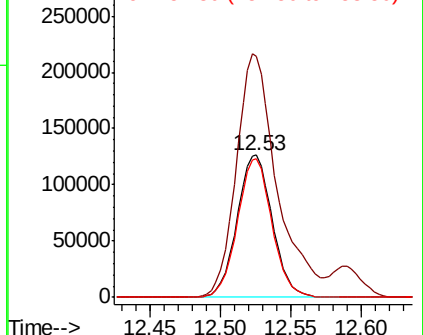
158 95.4 49.3 147.8



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: 45.543 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055376.D

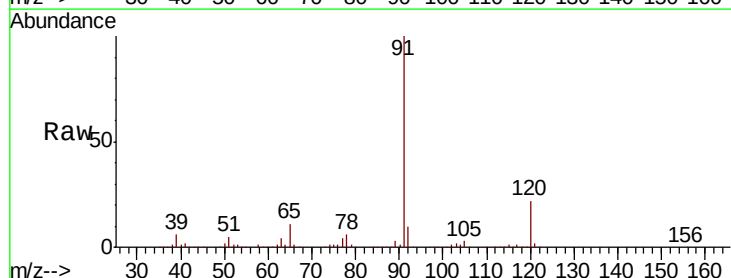
Acq: 3 May 2019 9:24

Tgt Ion: 91 Resp: 1078914

Ion Ratio Lower Upper

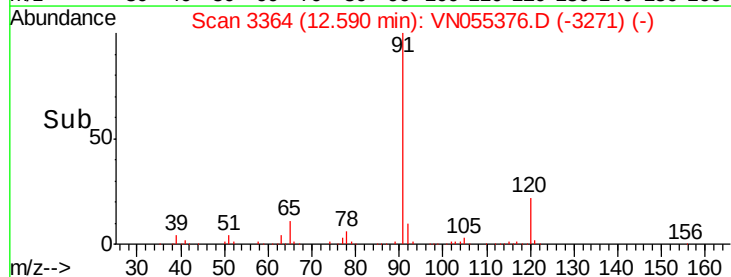
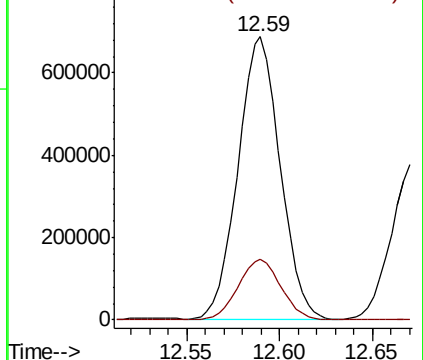
91 100

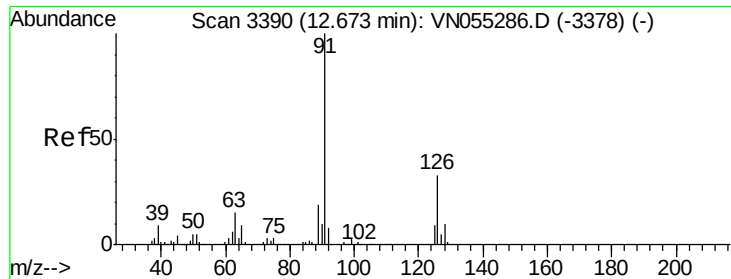
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

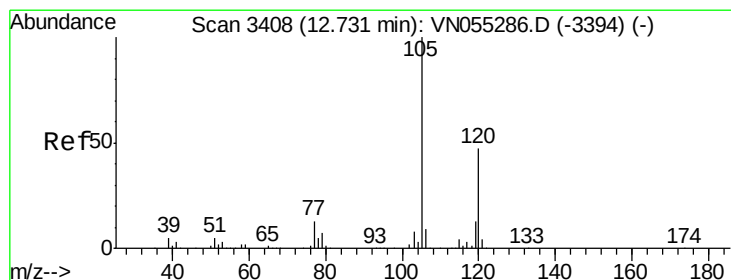
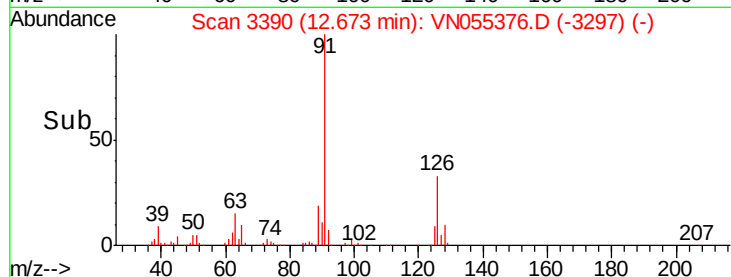
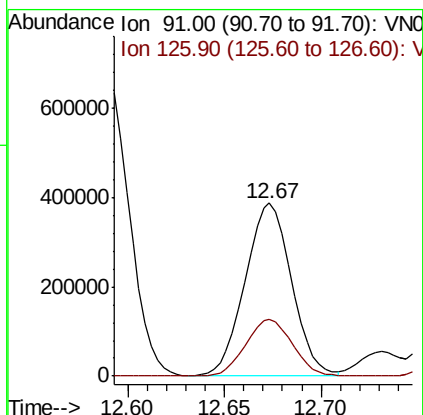
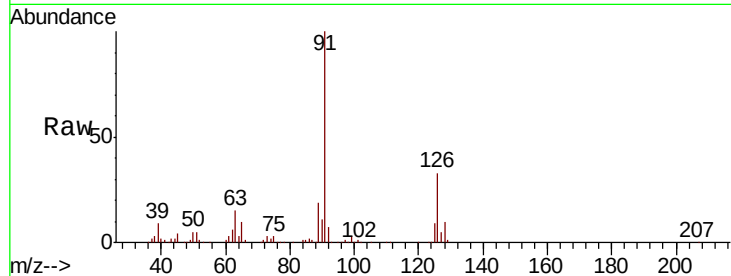




#79
 2-Chlorotoluene
 Concen: 51.651 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

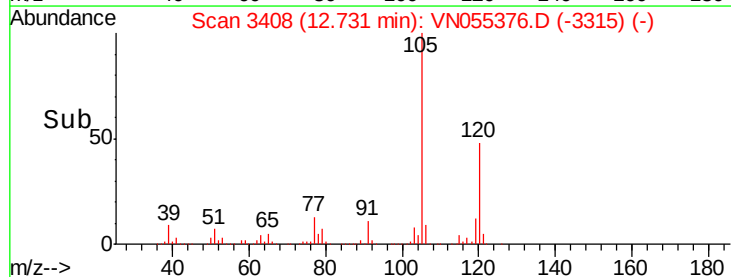
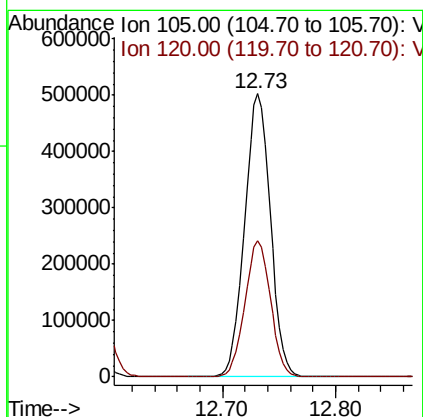
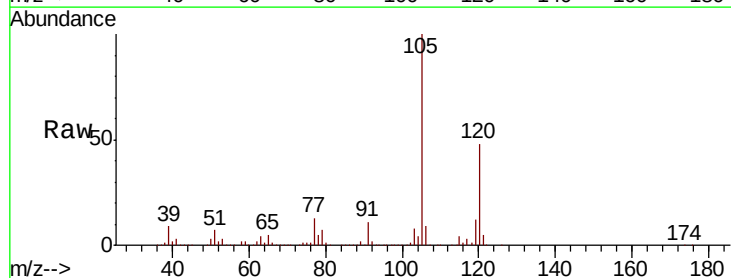
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

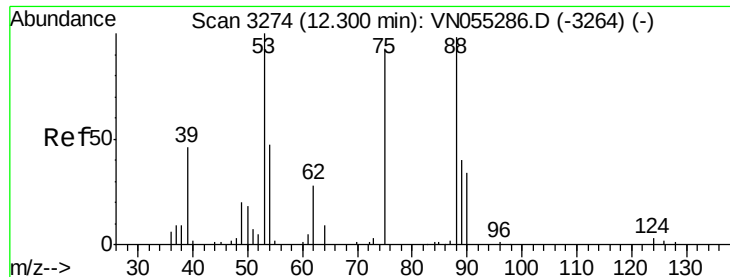
Tot Ion: 91 Resp: 644474
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 44.045 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion: 105 Resp: 796344
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.884 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

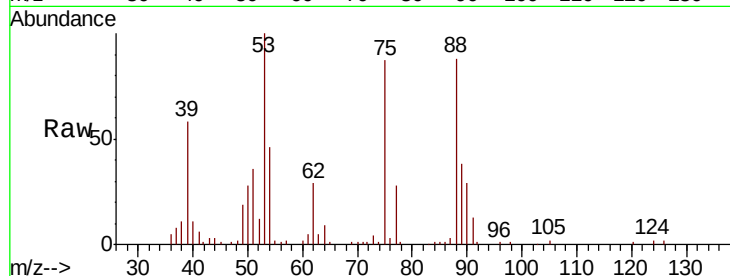
Tot Ion: 75 Resp: 50971

Ion Ratio Lower Upper

75 100

53 114.1 86.3 129.5

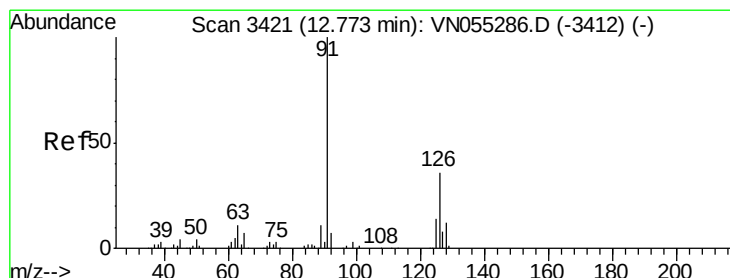
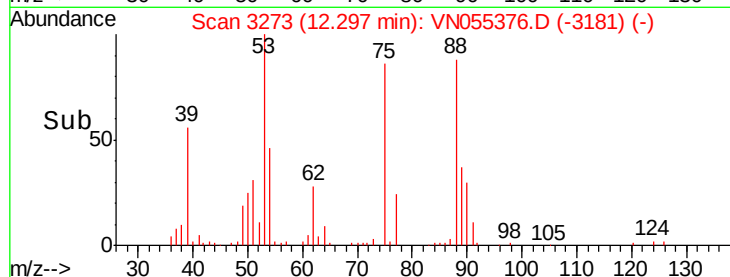
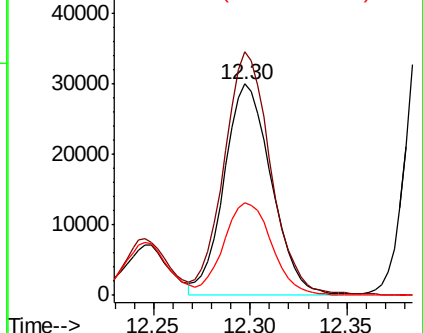
89 44.6 34.6 51.8



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: 45.663 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055376.D

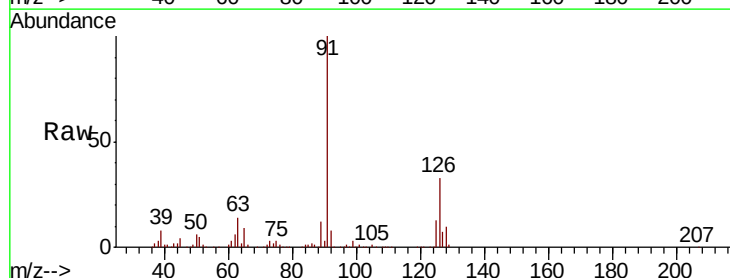
Acq: 3 May 2019 9:24

Tgt Ion: 91 Resp: 628961

Ion Ratio Lower Upper

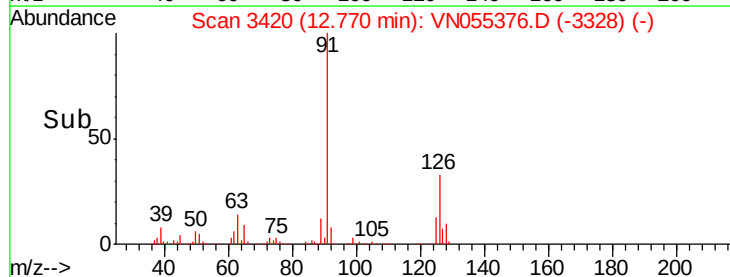
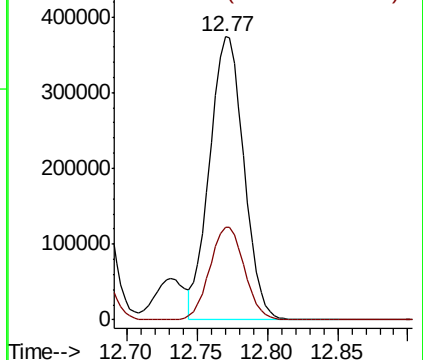
91 100

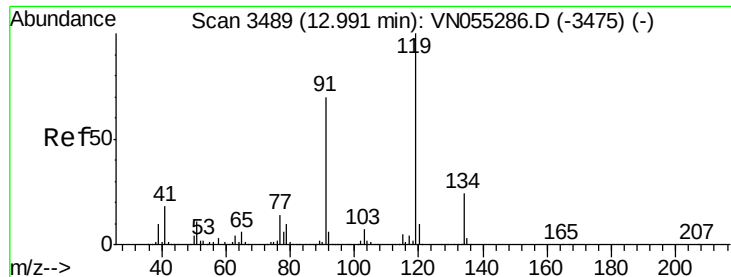
126 33.1 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

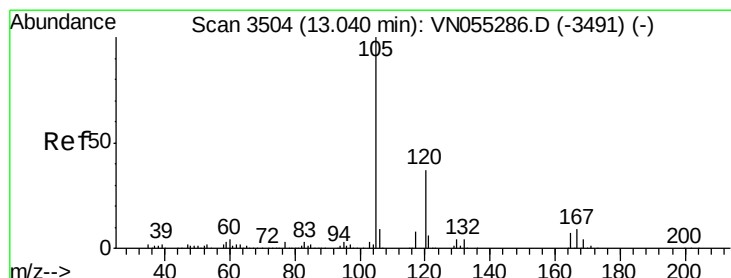
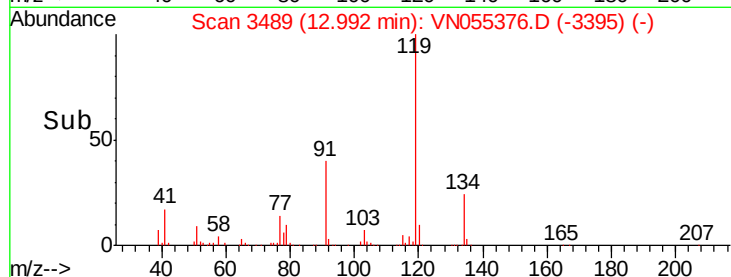
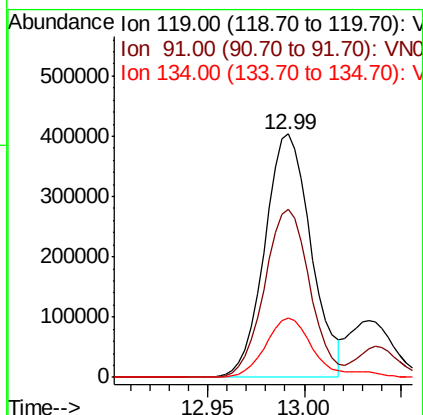
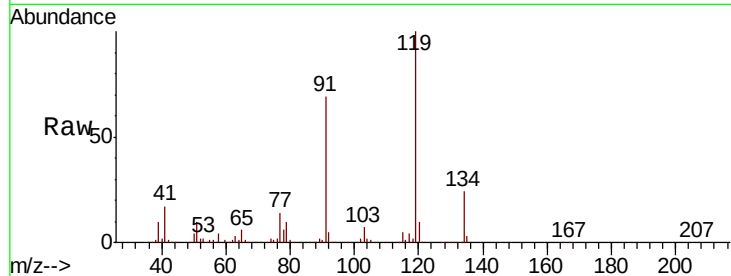




#83
 tert-Butylbenzene
 Concen: 52.563 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

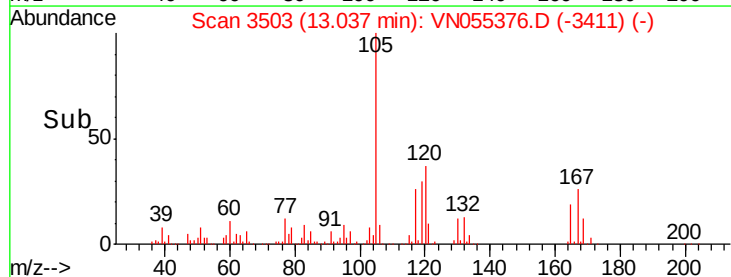
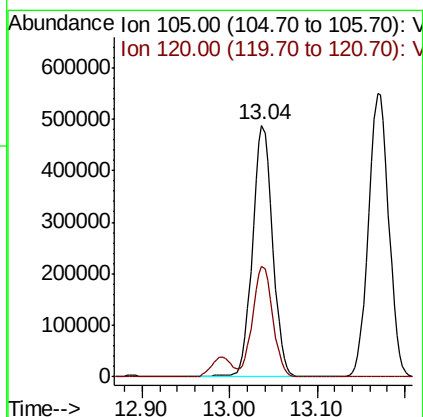
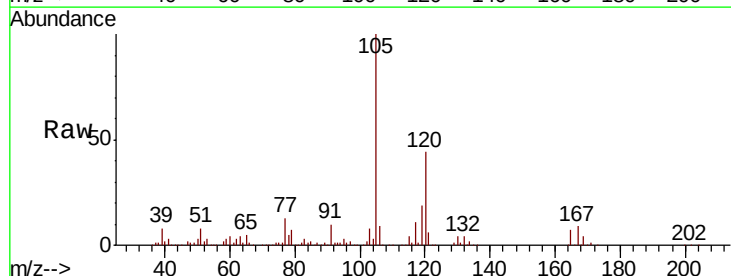
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

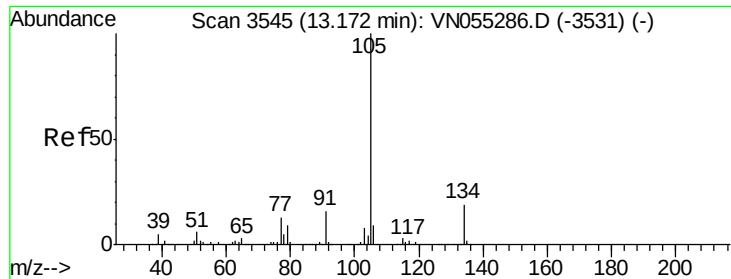
Tot Ion:119 Resp: 670761
 Ion Ratio Lower Upper
 119 100
 91 68.0 34.3 102.9
 134 25.8 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 48.047 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion:105 Resp: 776909
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 45.020 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

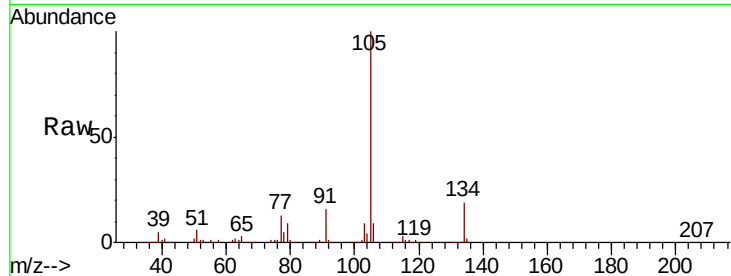
VSTDCCC050

Tot Ion:105 Resp: 884707

Ion Ratio Lower Upper

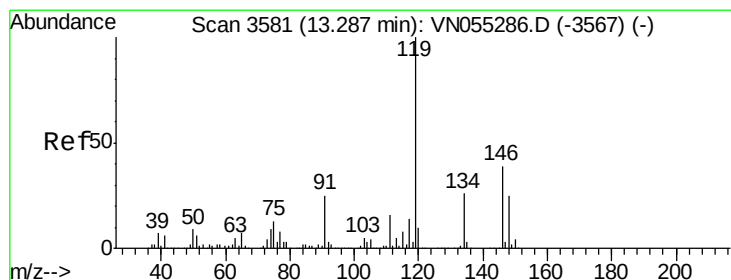
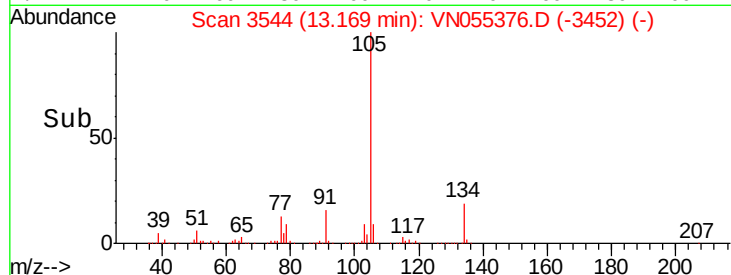
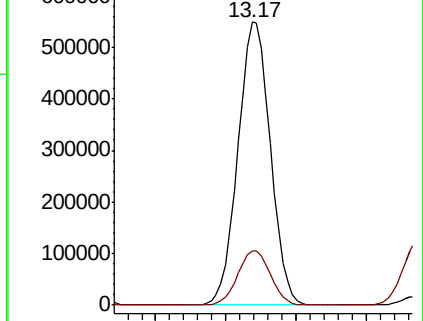
105 100

134 19.4 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.249 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

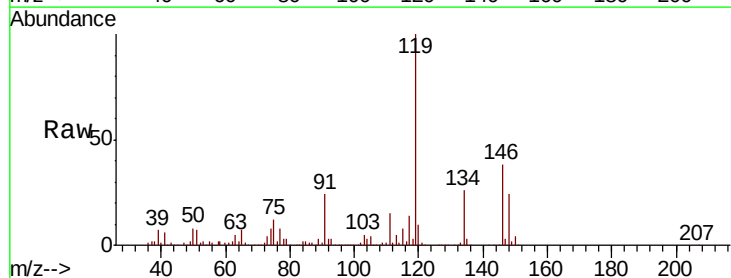
Tgt Ion:119 Resp: 763154

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

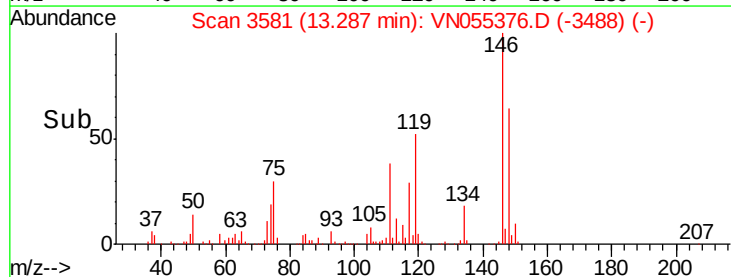
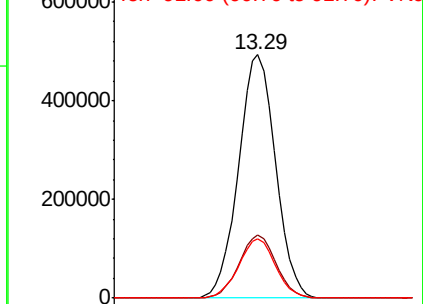
91 24.2 12.2 36.6

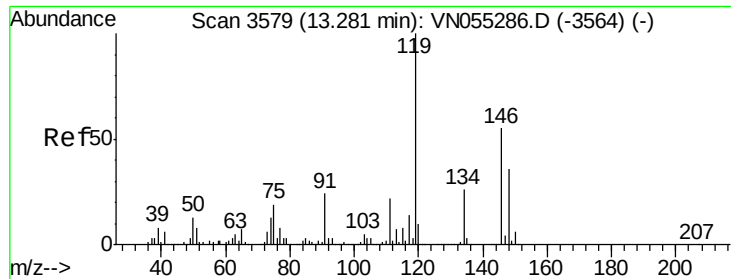


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 47.624 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

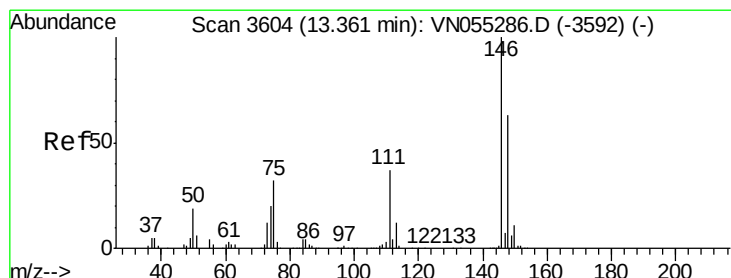
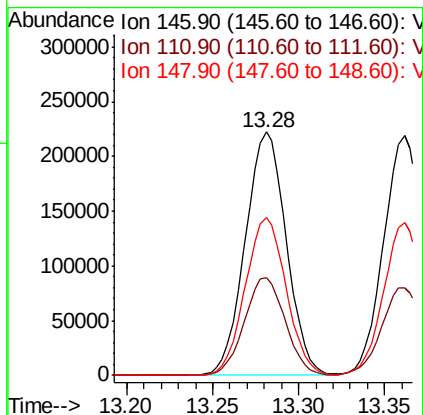
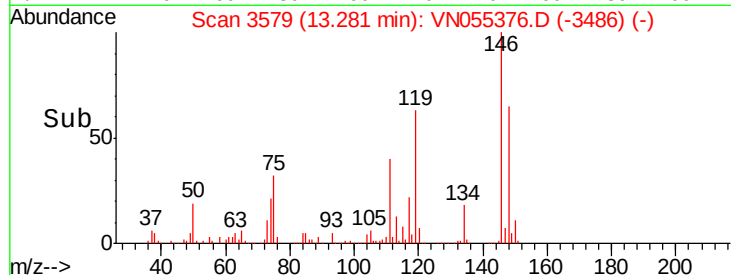
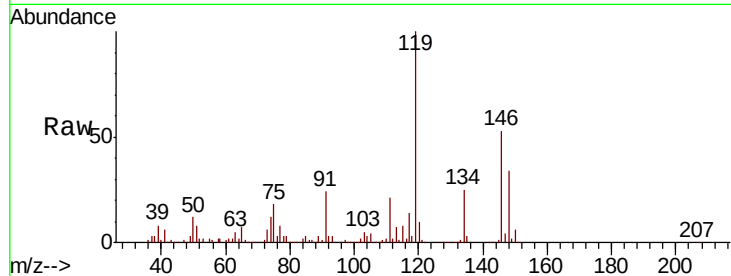
Tot Ion:146 Resp: 367525

Ion Ratio Lower Upper

146 100

111 40.0 20.3 60.8

148 64.7 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 49.191 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055376.D

Acq: 3 May 2019 9:24

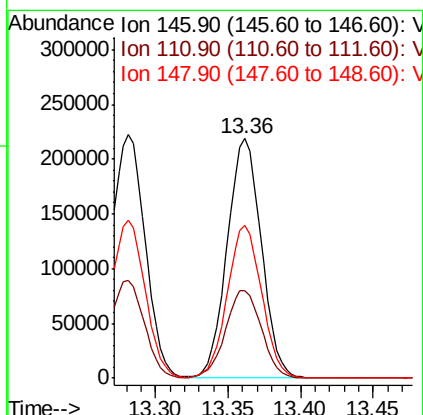
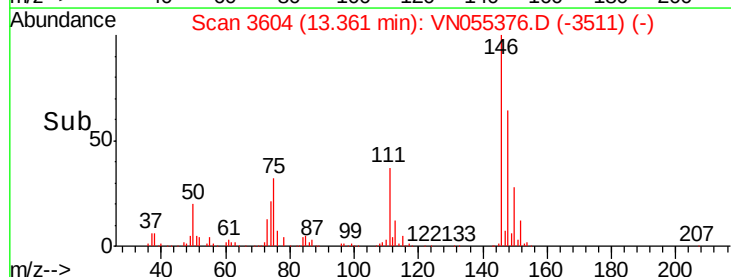
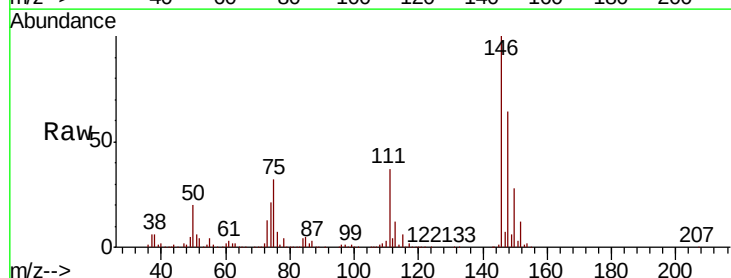
Tgt Ion:146 Resp: 357497

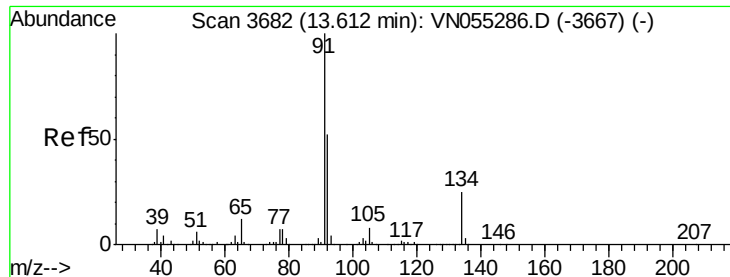
Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

148 64.0 32.5 97.4

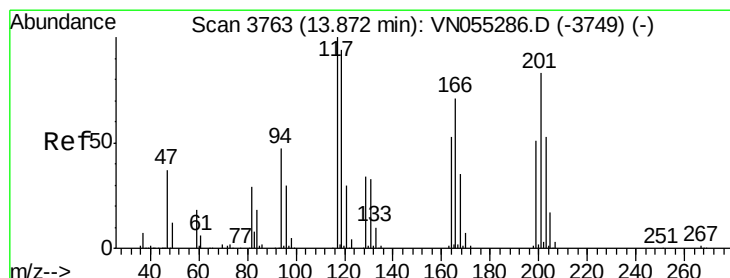
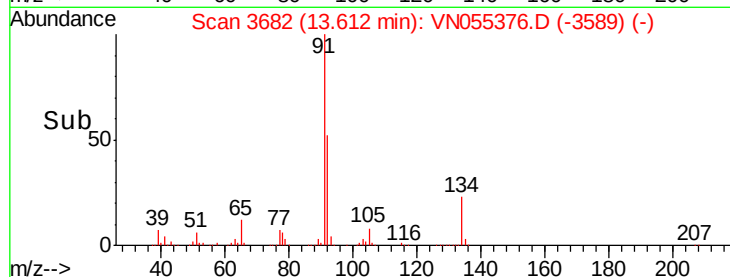
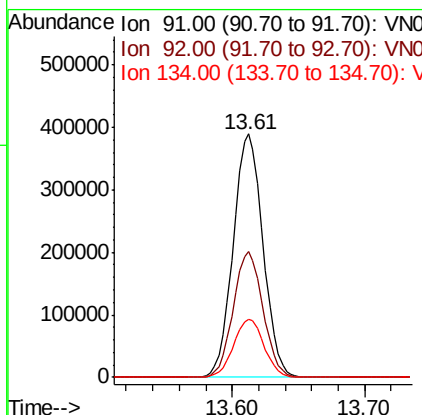
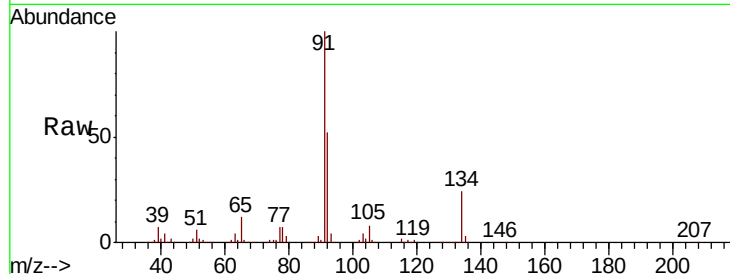




#89
n-Butylbenzene
Concen: 52.727 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

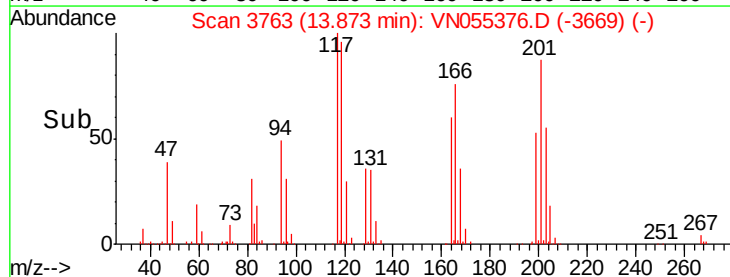
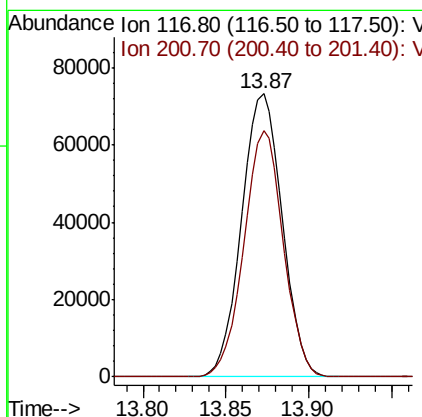
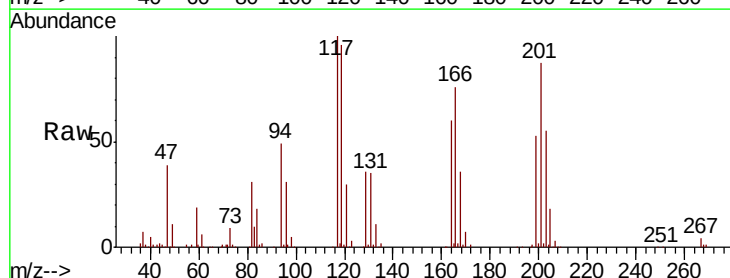
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

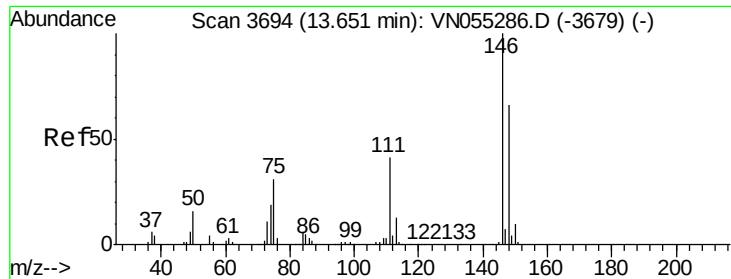
Tot Ion: 91 Resp: 605158
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.3
134 24.5 12.4 37.4



#90
Hexachloroethane
Concen: 48.857 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion: 117 Resp: 125039
Ion Ratio Lower Upper
117 100
201 83.9 41.9 125.8

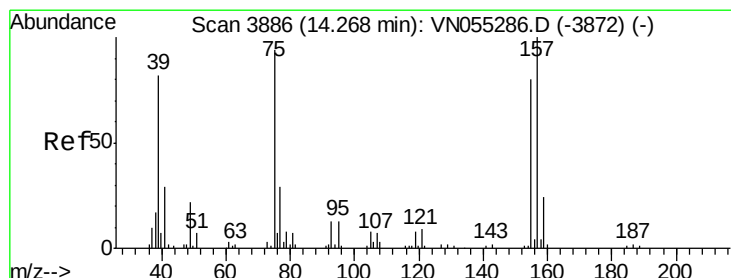
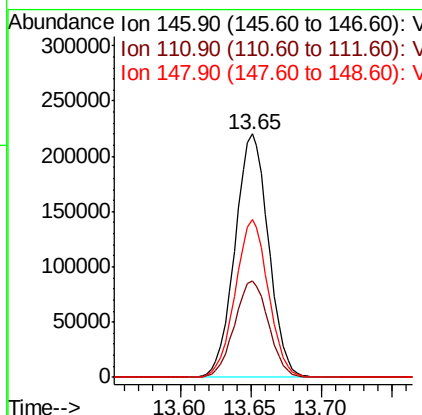
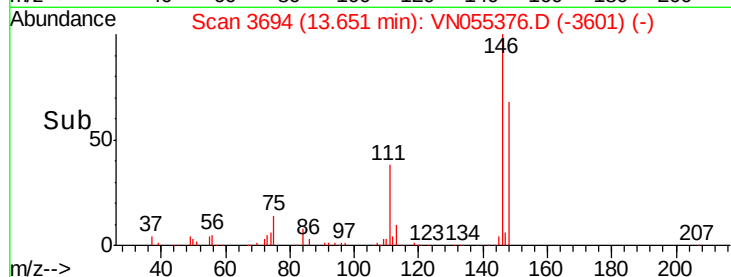
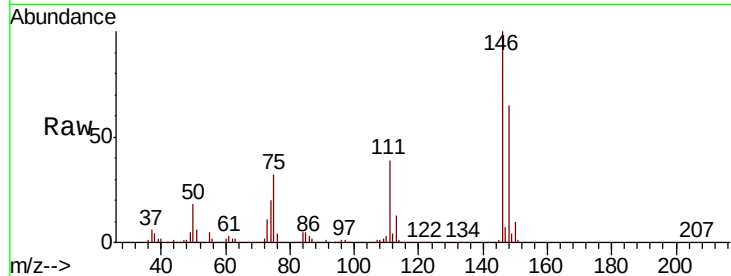




#91
 1,2-Dichlorobenzene
 Concen: 47.951 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

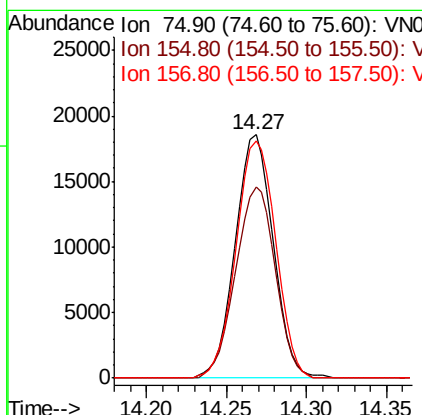
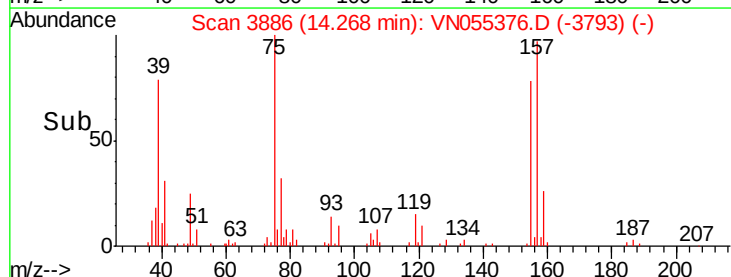
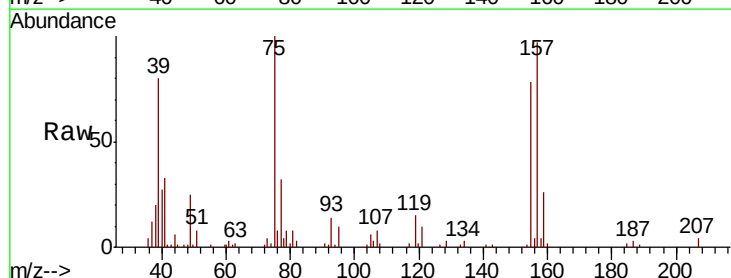
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

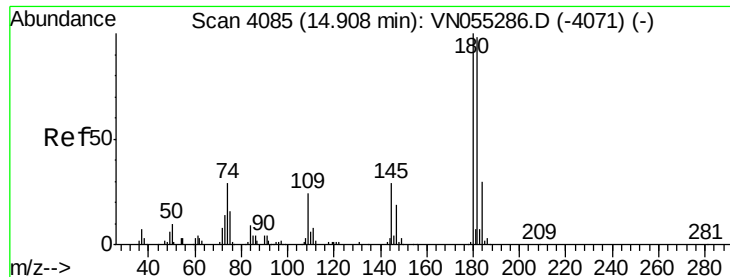
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	63.9	32.4	97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.552 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.5	124.6
157	101.5	54.0	162.2

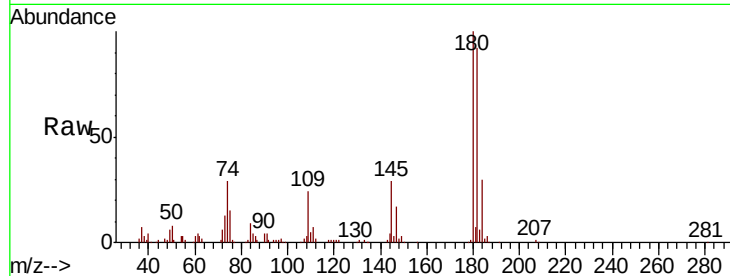




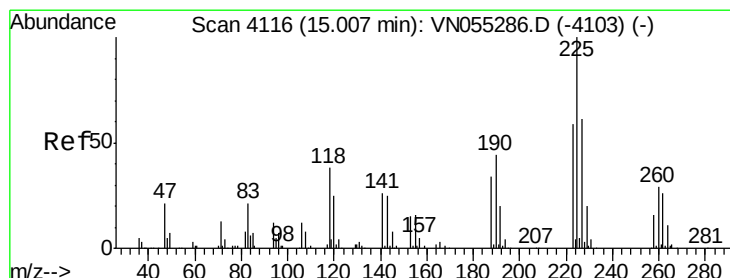
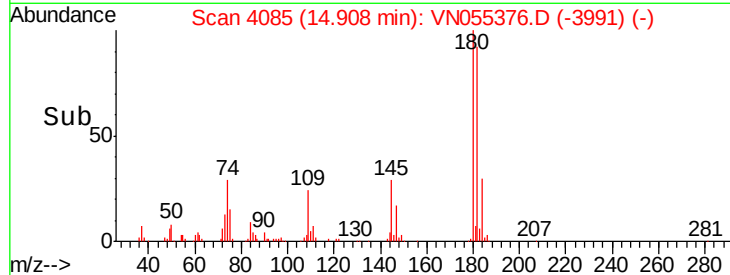
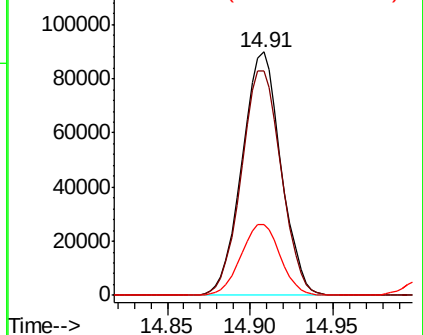
#93
 1,2,4-Trichlorobenzene
 Concen: 48.689 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 146536
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.3 144.9
 145 29.4 14.2 42.6

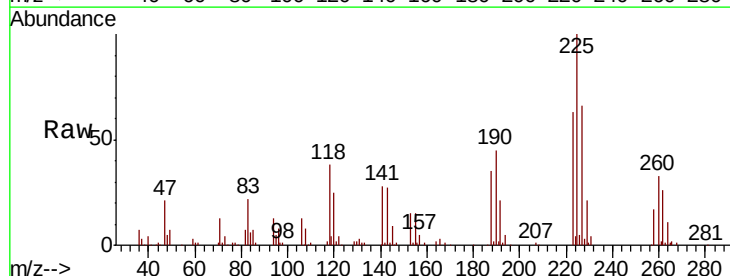


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

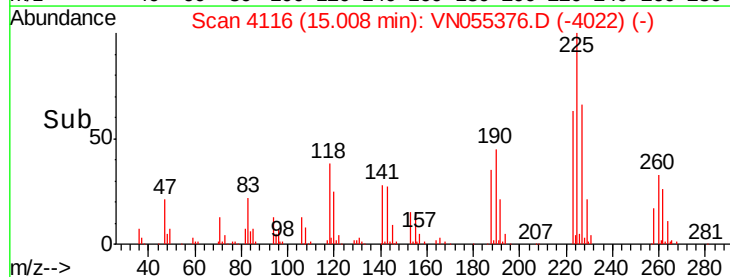
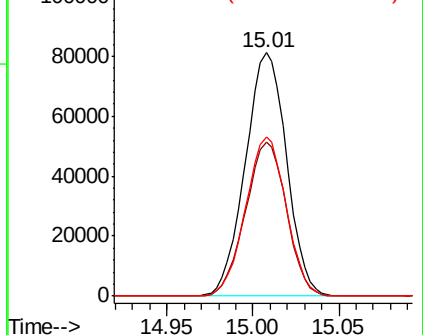


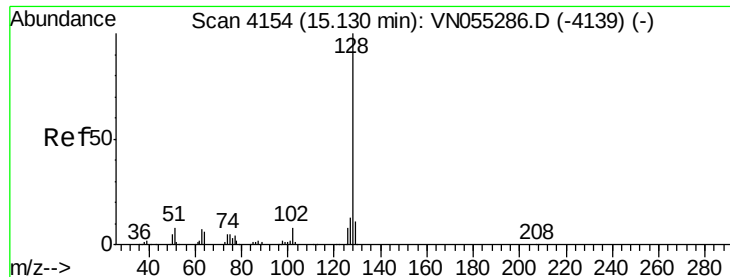
#94
 Hexachlorobutadiene
 Concen: 59.388 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055376.D
 Acq: 3 May 2019 9:24

Tgt Ion:225 Resp: 135477
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.3 90.8
 227 64.1 30.9 92.7



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

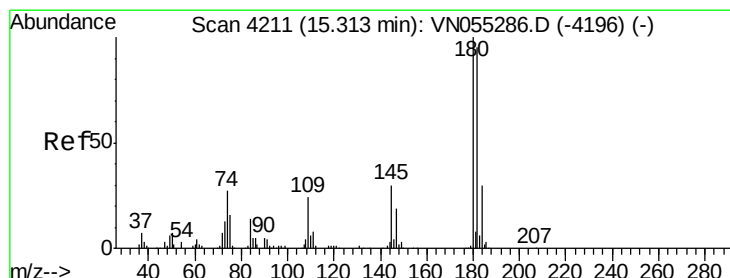
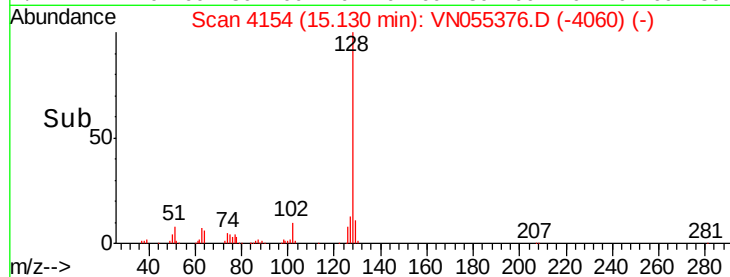
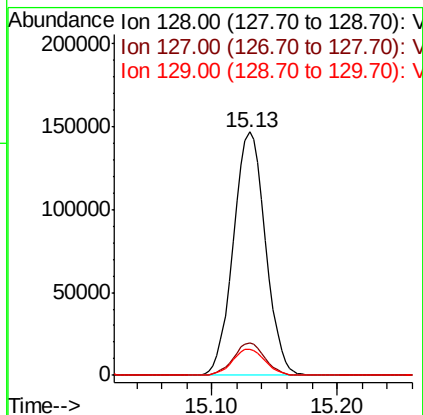
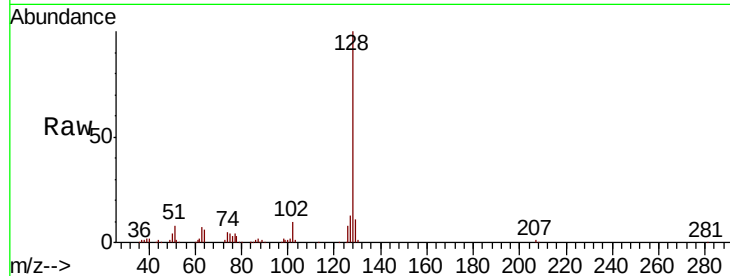




#95
Naphthalene
Concen: 41.342 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 261059
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.219 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055376.D
Acq: 3 May 2019 9:24

Tgt Ion:180 Resp: 146031
Ion Ratio Lower Upper
180 100
182 94.8 48.3 144.9
145 31.7 15.2 45.6

