

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060055.D
 Acq On : 11 Feb 2020 11:05
 Operator : JC/MD
 Sample : VN0211WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 04:20:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	278981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	254527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108826	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	7.57	113	89750	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	10.08	98	330540	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	123920	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33552	15.545	ug/l	99
3) Chloromethane	2.04	50	35128	17.148	ug/l	99
4) Vinyl Chloride	2.17	62	45941	19.601	ug/l	98
5) Bromomethane	2.55	94	27433	19.179	ug/l	98
6) Chloroethane	2.69	64	21436	19.331	ug/l	98
7) Trichlorofluoromethane	3.00	101	55813	19.828	ug/l	100
8) Diethyl Ether	3.38	74	21016	21.275	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33352	21.289	ug/l	93
10) Methyl Iodide	3.93	142	39039	15.417	ug/l	97
11) Tert butyl alcohol	4.73	59	33874	101.266	ug/l	97
12) 1,1-Dichloroethene	3.72	96	30631	18.712	ug/l	89
13) Acrolein	3.58	56	19925	84.146	ug/l	97
14) Allyl chloride	4.30	41	50031	22.675	ug/l	94
15) Acrylonitrile	4.95	53	83748	109.756	ug/l	98
16) Acetone	3.78	43	86943	123.211	ug/l	96
17) Carbon Disulfide	4.03	76	68237	14.633	ug/l	97
18) Methyl Acetate	4.29	43	52380	22.568	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	117674	22.047	ug/l	94
20) Methylene Chloride	4.52	84	37077	19.844	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	33493	19.248	ug/l	85
22) Diisopropyl ether	5.91	45	110869	22.173	ug/l #	89
23) Vinyl Acetate	5.86	43	414298	107.014	ug/l	96
24) 1,1-Dichloroethane	5.81	63	65931	21.579	ug/l	99
25) 2-Butanone	6.80	43	116572	103.597	ug/l	92
26) 2,2-Dichloropropane	6.80	77	62530	21.288	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	42241	21.105	ug/l	90
28) Bromochloromethane	7.17	49	27523	22.539	ug/l #	77
29) Tetrahydrofuran	7.18	42	72762	104.512	ug/l	91
30) Chloroform	7.35	83	71267	22.513	ug/l	96
31) Cyclohexane	7.63	56	53162	18.083	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	63029	21.534	ug/l	96
36) 1,1-Dichloropropene	7.77	75	47691	19.630	ug/l	96
37) Ethyl Acetate	6.89	43	46455	20.387	ug/l	96
38) Carbon Tetrachloride	7.75	117	54221	20.517	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56490	18.858	ug/l	93
40) Benzene	8.02	78	147797	20.398	ug/l	99
41) Methacrylonitrile	7.18	41	68871	61.363	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	55023	22.398	ug/l	99
43) Isopropyl Acetate	8.14	43	82752	21.114	ug/l	92
44) Trichloroethene	8.82	130	40987	20.722	ug/l	97
45) 1,2-Dichloropropane	9.10	63	39975	22.296	ug/l	99
46) Dibromomethane	9.19	93	27854	22.024	ug/l	94
47) Bromodichloromethane	9.39	83	57010	22.369	ug/l	96
48) Methyl methacrylate	9.18	41	35166	20.059	ug/l	91
49) 1,4-Dioxane	9.18	88	13743	428.223	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	243440	107.448	ug/l	97
52) Toluene	10.14	92	95419	20.849	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	62647	22.014	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65399	21.841	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	40311	22.239	ug/l	98
56) Ethyl methacrylate	10.42	69	55641	20.089	ug/l	94
57) 1,3-Dichloropropane	10.70	76	64566	22.436	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	105425	126.373	ug/l	93
59) 2-Hexanone	10.74	43	177649	106.433	ug/l	95
60) Dibromochloromethane	10.89	129	45852	22.214	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41070	21.618	ug/l	98
64) Tetrachloroethene	10.62	164	41207	19.864	ug/l	96
65) Chlorobenzene	11.43	112	105411	21.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42178	21.819	ug/l	97
67) Ethyl Benzene	11.51	91	187556	20.652	ug/l	97
68) m/p-Xylenes	11.62	106	139882	40.776	ug/l	96
69) o-Xylene	11.94	106	67725	20.165	ug/l	100
70) Styrene	11.96	104	108356	19.281	ug/l	97
71) Bromoform	12.12	173	32719	21.130	ug/l #	96
73) Isopropylbenzene	12.25	105	189382	20.927	ug/l	99
74) N-amyl acetate	12.07	43	68480	19.502	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	56502	21.537	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	75658	36.434	ug/l #	100
77) Bromobenzene	12.52	156	46672	20.366	ug/l	86
78) n-propylbenzene	12.59	91	210577	20.732	ug/l	98
79) 2-Chlorotoluene	12.67	91	125394	20.752	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	157874	20.744	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19479	20.144	ug/l	94
82) 4-Chlorotoluene	12.77	91	127330	21.009	ug/l	97
83) tert-Butylbenzene	12.99	119	139687	21.222	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	154998	20.586	ug/l	98
85) sec-Butylbenzene	13.17	105	184204	21.300	ug/l	100
86) p-Isopropyltoluene	13.29	119	165220	20.647	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82050	20.612	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81996	20.648	ug/l	98
89) n-Butylbenzene	13.61	91	142651	20.908	ug/l	99
90) Hexachloroethane	13.87	117	31260	20.879	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	81727	20.767	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11808	19.704	ug/l	90

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QLast Update : Sat Jan 18 03:09:32 2020
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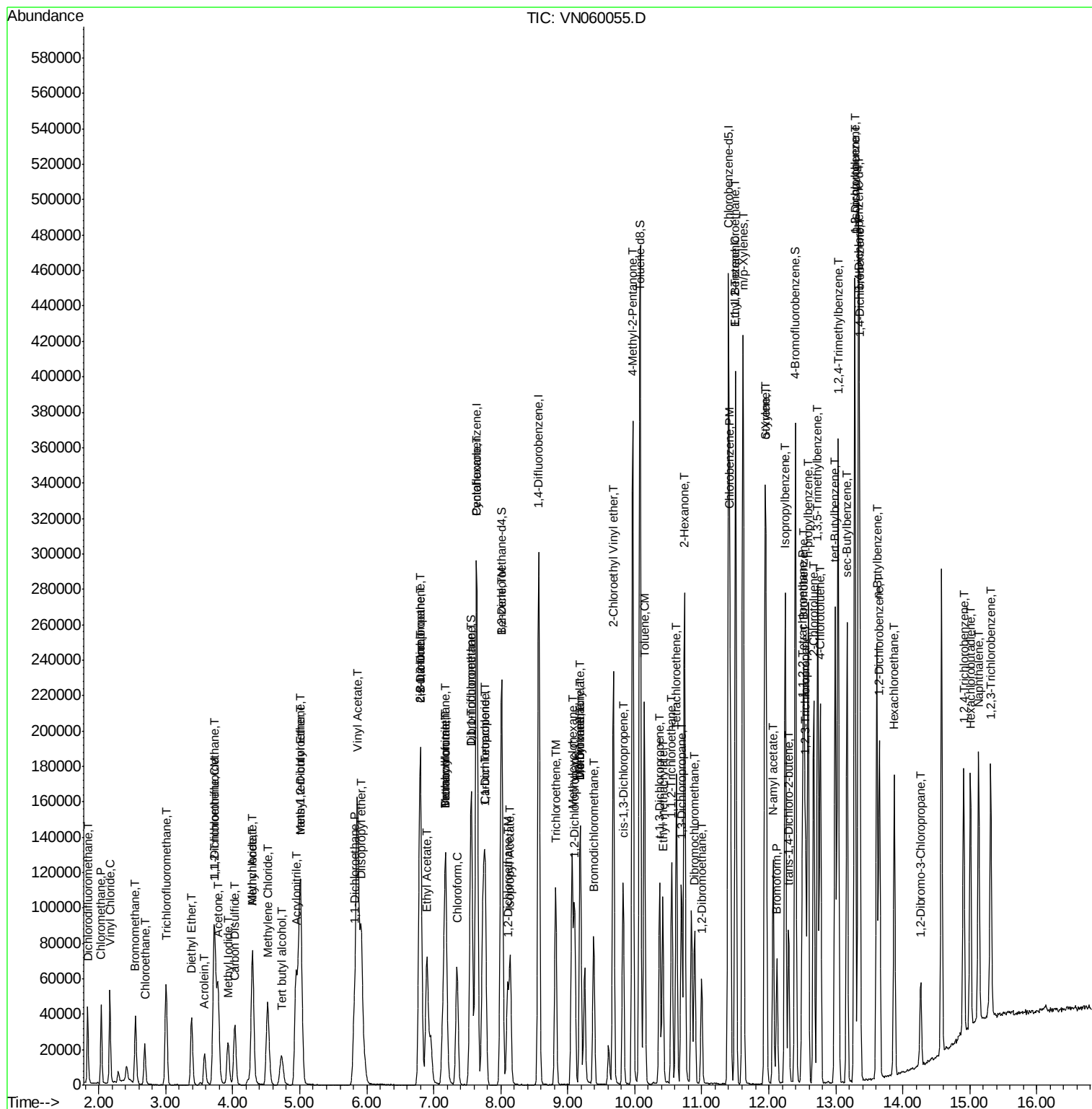
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47773	20.202	ug/l	97
94) Hexachlorobutadiene	15.01	225	27971	21.465	ug/l	99
95) Naphthalene	15.13	128	129077	19.190	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47887	20.805	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021120\
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Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Feb 12 04:20:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

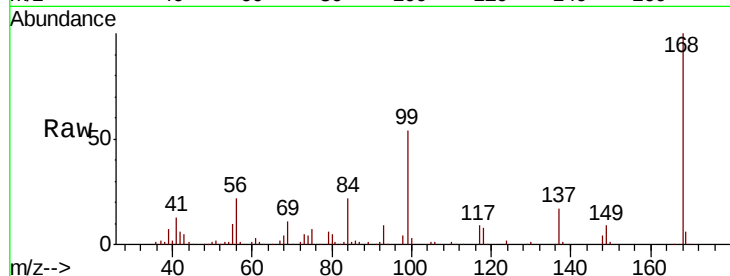
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 178927

Ion Ratio Lower Upper

168 100

99 54.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

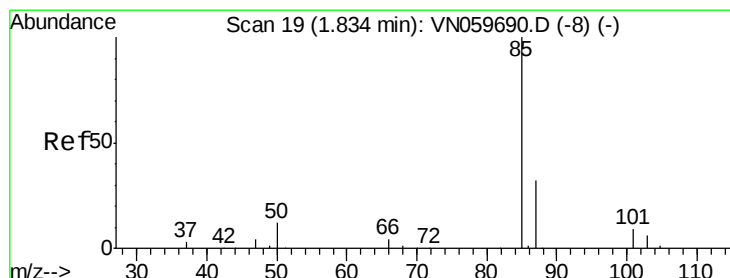
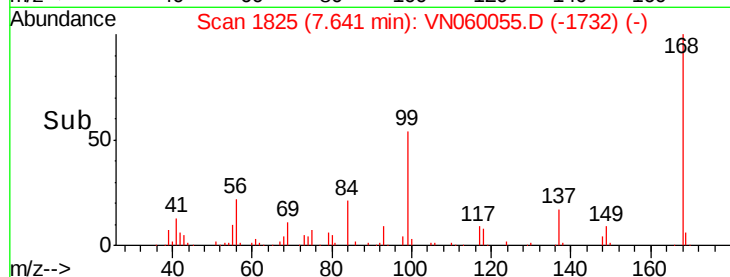
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.545 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060055.D

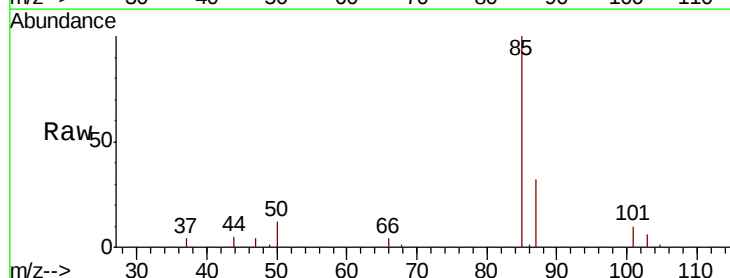
Acq: 11 Feb 2020 11:05

Tgt Ion: 85 Resp: 33552

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

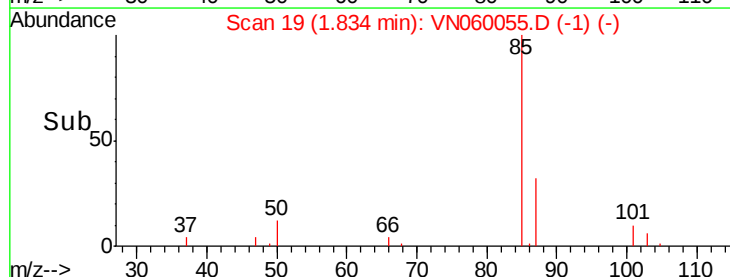
10000

5000

0

1.80 1.85 1.90

Time-->

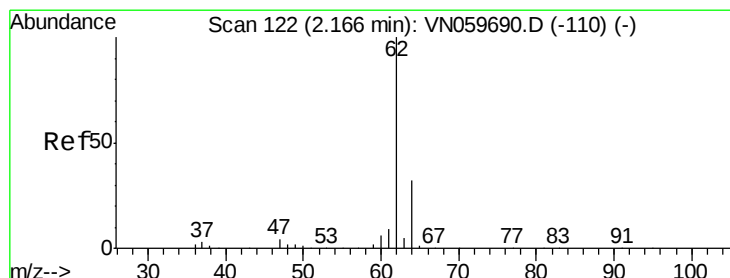
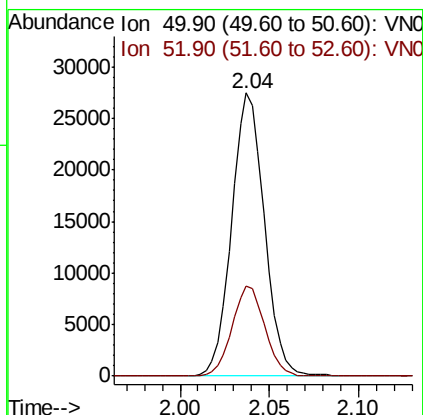
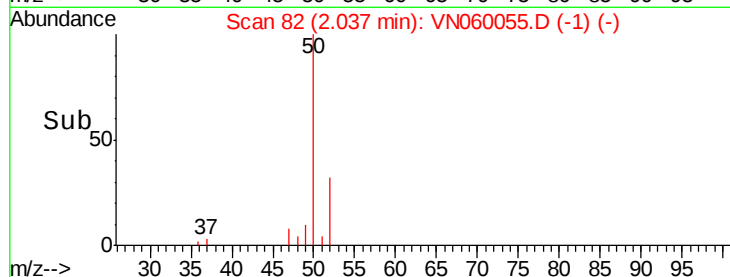
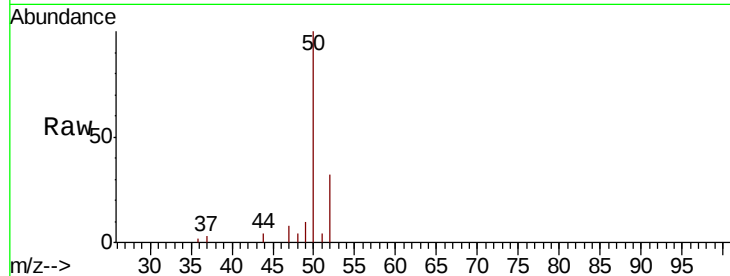




#3
Chloromethane
Concen: 17.148 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

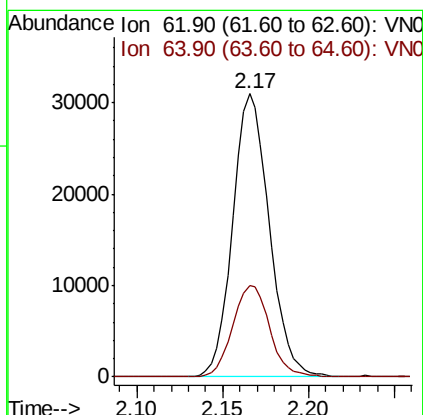
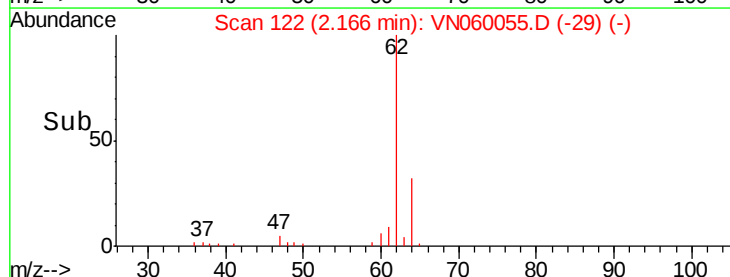
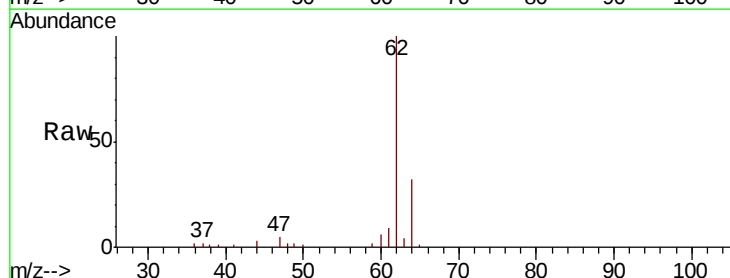
Instrument :
MSVOA_N
ClientSampled :

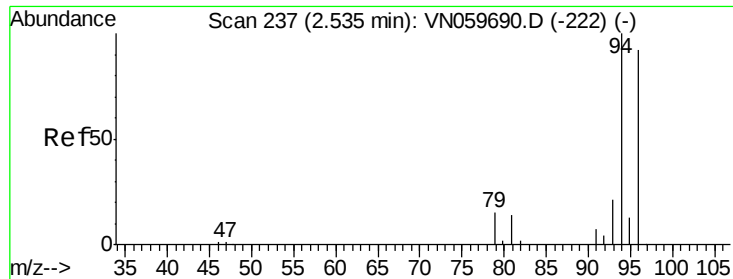
Tot Ion: 50 Resp: 35128
Ion Ratio Lower Upper
50 100
52 31.6 25.9 38.9



#4
Vinyl Chloride
Concen: 19.601 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 62 Resp: 45941
Ion Ratio Lower Upper
62 100
64 32.2 24.6 37.0

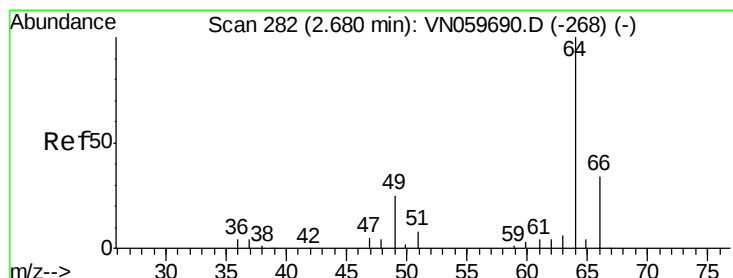
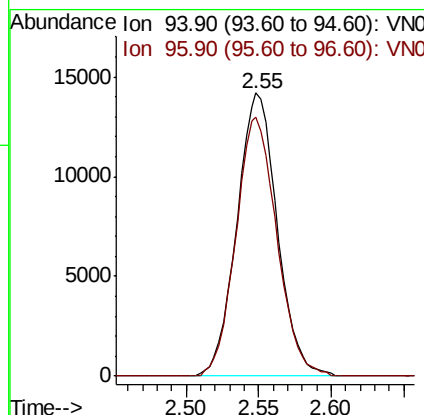
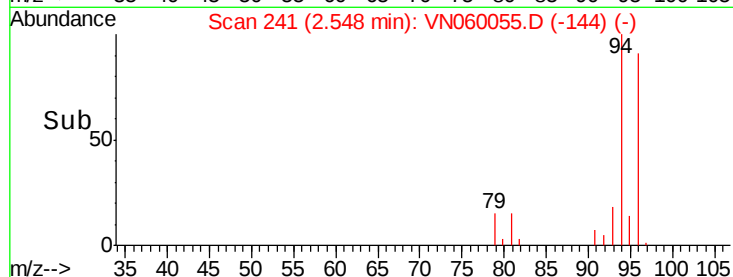
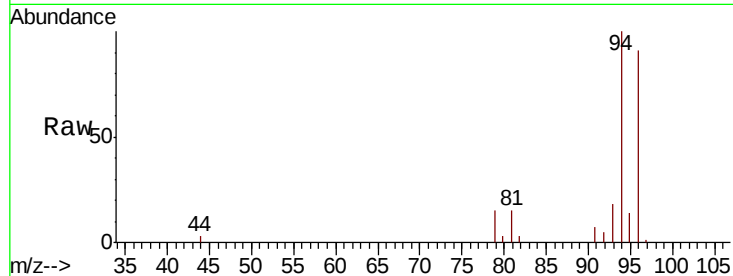




#5
Bromomethane
Concen: 19.179 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

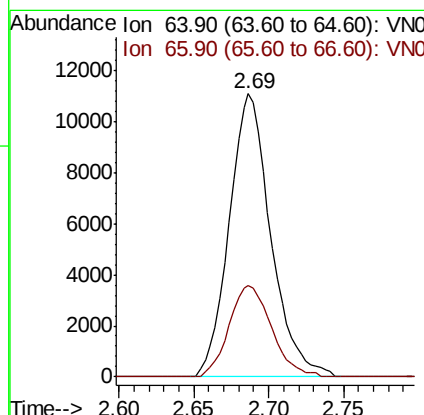
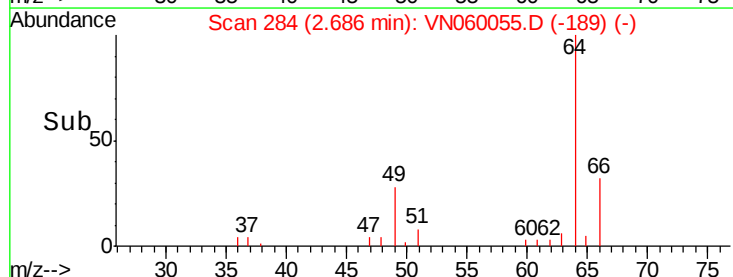
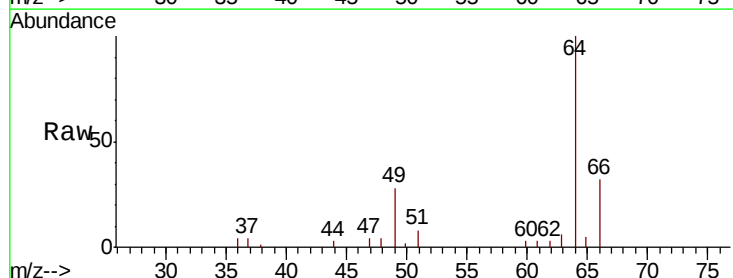
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 27433
Ion Ratio Lower Upper
94 100
96 91.5 74.7 112.1



#6
Chloroethane
Concen: 19.331 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 64 Resp: 21436
Ion Ratio Lower Upper
64 100
66 32.4 25.1 37.7



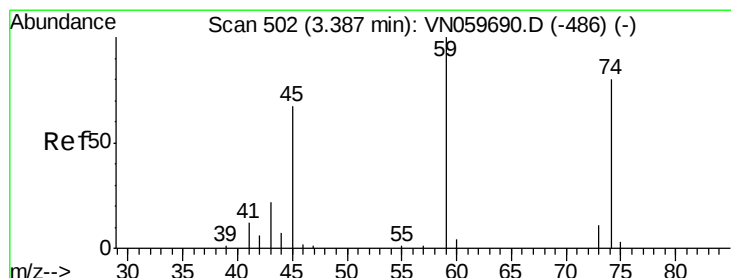
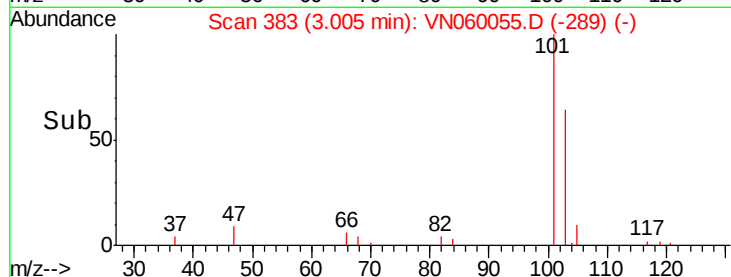
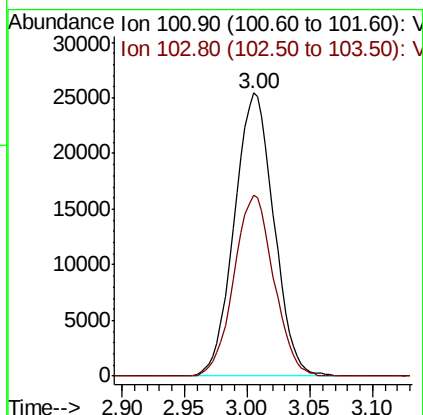
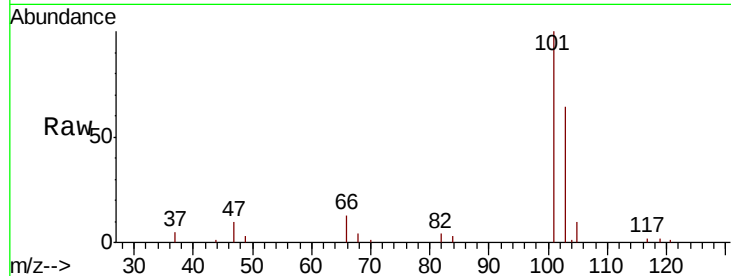


#7

Trichlorofluoromethane
 Concen: 19.828 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Instrument :
 MSVOA_N
 ClientSampled :

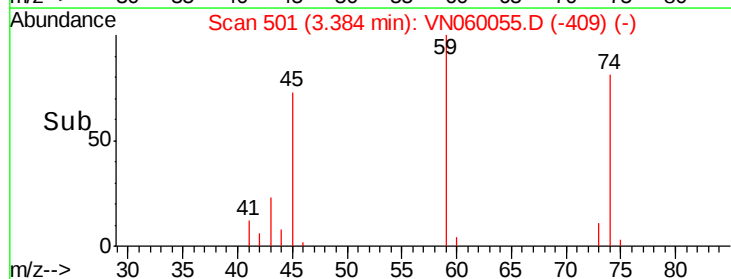
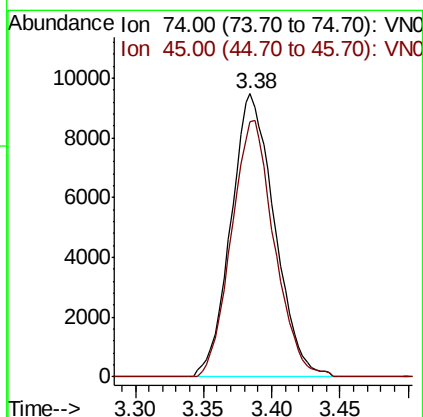
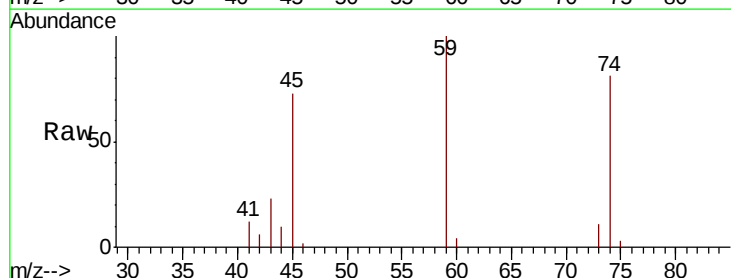
Tot Ion:101 Resp: 55813
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.6



#8

Diethyl Ether
 Concen: 21.275 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion: 74 Resp: 21016
 Ion Ratio Lower Upper
 74 100
 45 88.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.289 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampled :

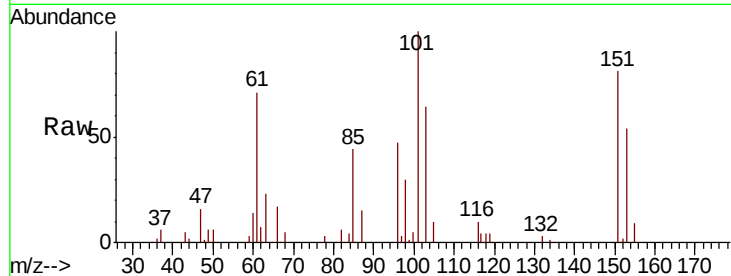
Tot Ion:101 Resp: 33352

Ion Ratio Lower Upper

101 100

85 43.7 36.6 54.8

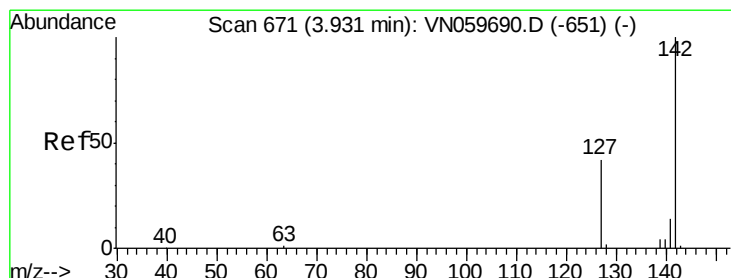
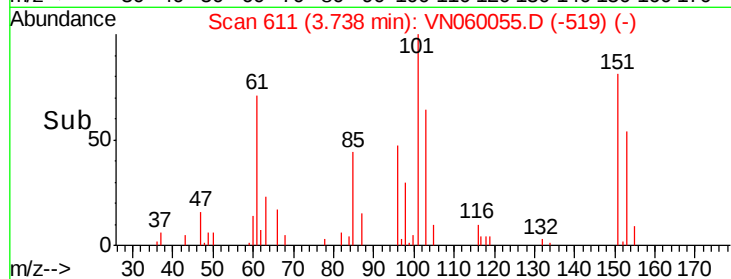
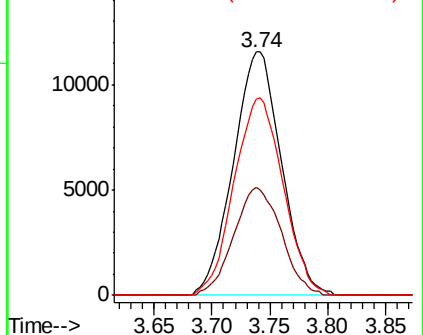
151 82.6 59.7 89.5



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: 15.417 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

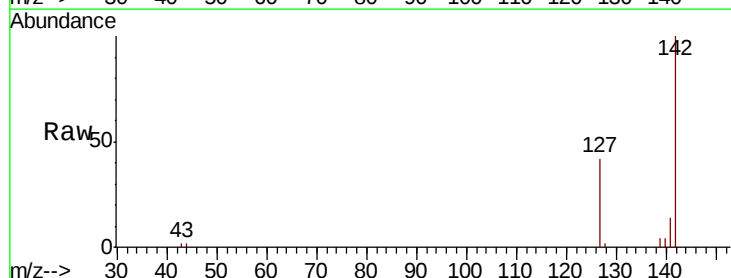
Tgt Ion:142 Resp: 39039

Ion Ratio Lower Upper

142 100

127 43.1 36.7 55.1

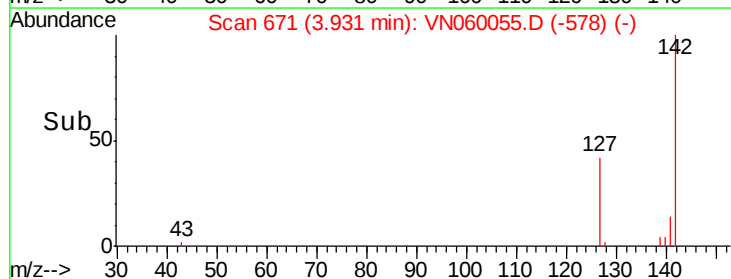
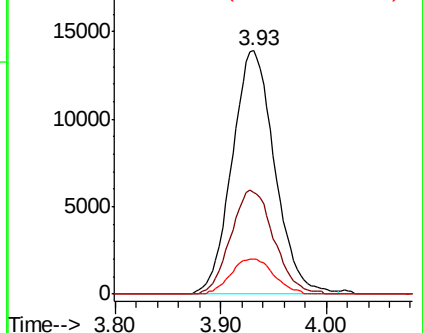
141 14.6 11.7 17.5



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

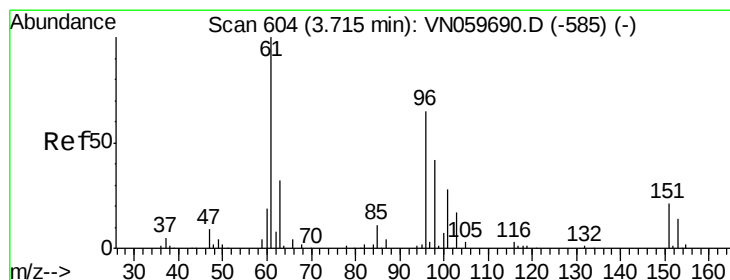
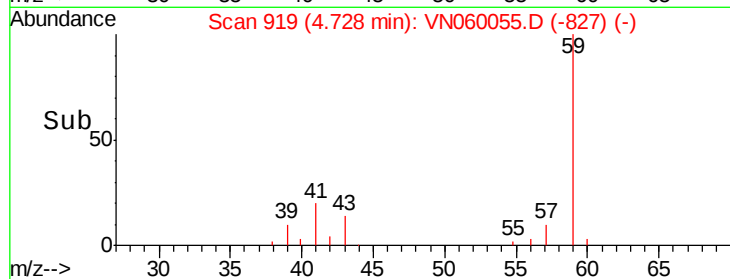
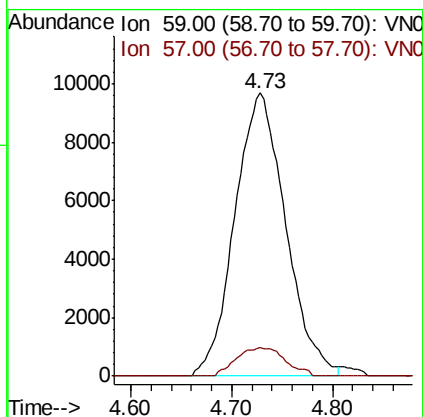
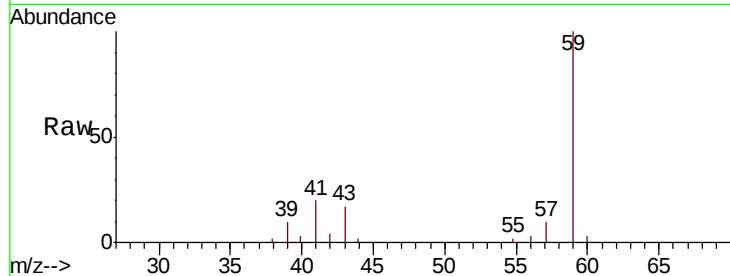




#11
Tert butyl alcohol
Concen: 101.266 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

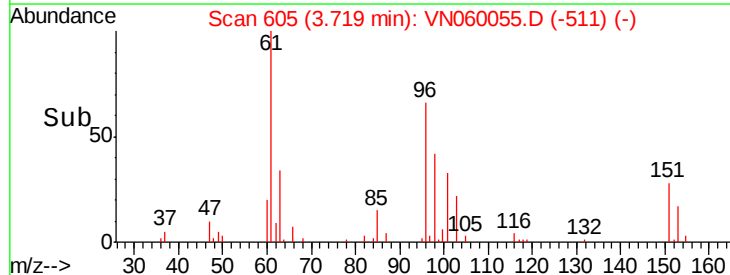
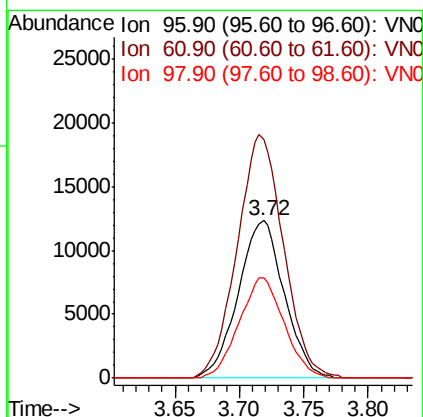
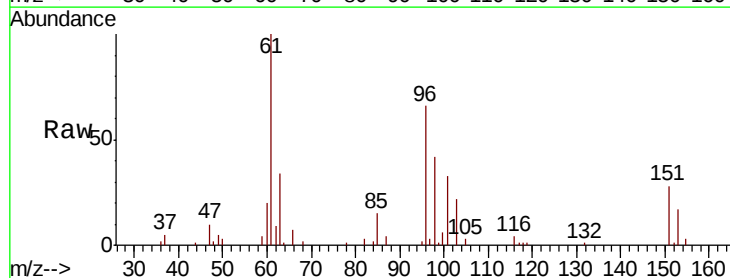
Instrument :
MSVOA_N
ClientSampled :

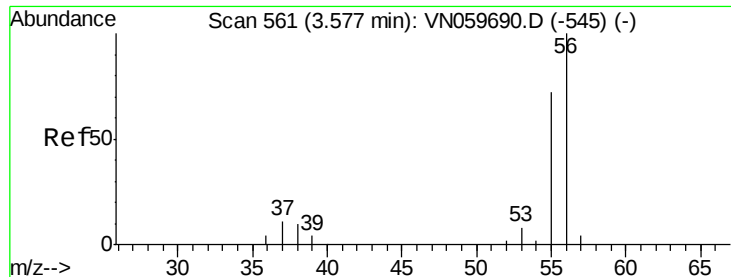
Tot Ion: 59 Resp: 33874
Ion Ratio Lower Upper
59 100
57 9.6 8.6 12.8



#12
1,1-Dichloroethene
Concen: 18.712 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 96 Resp: 30631
Ion Ratio Lower Upper
96 100
61 151.7 137.5 206.3
98 63.7 50.2 75.4





#13

Acrolein

Concen: 84.146 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

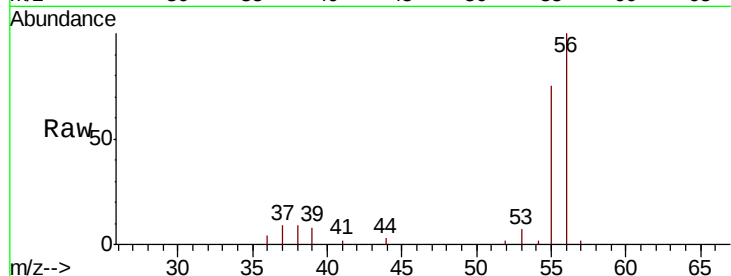
ClientSampled :

Tot Ion: 56 Resp: 19925

Ion Ratio Lower Upper

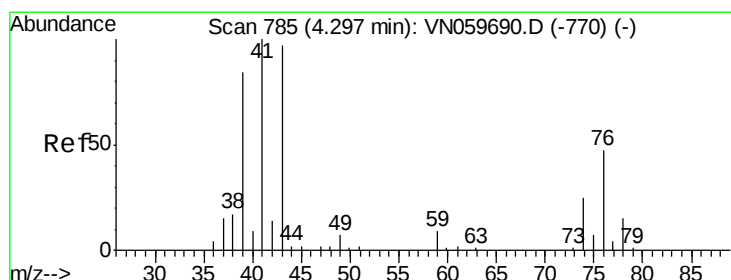
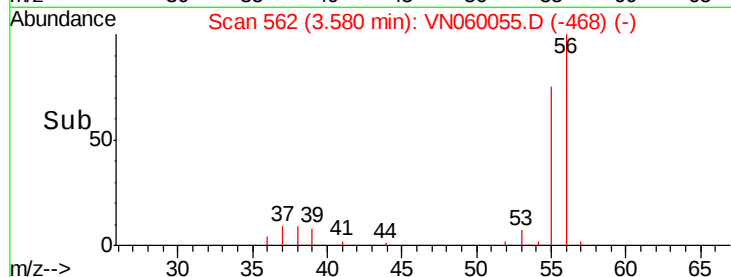
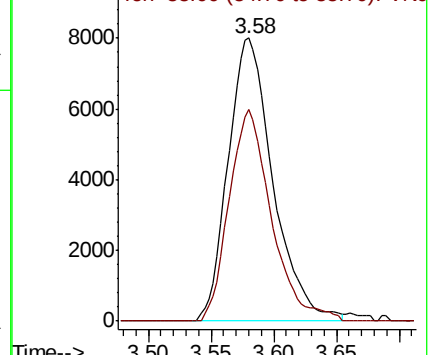
56 100

55 70.4 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.675 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

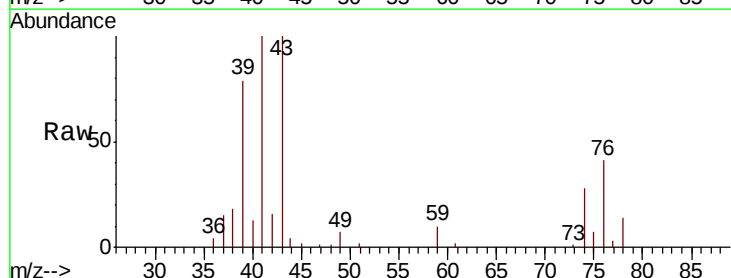
Tgt Ion: 41 Resp: 50031

Ion Ratio Lower Upper

41 100

39 75.4 57.8 86.8

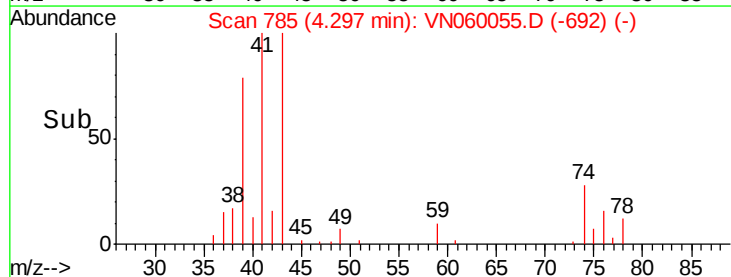
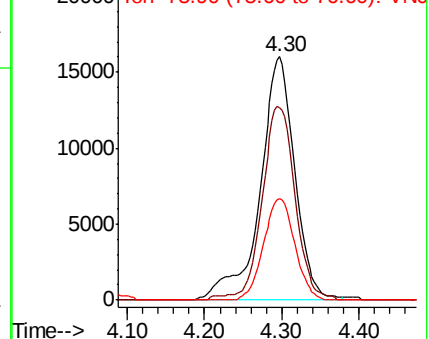
76 37.5 25.4 38.0

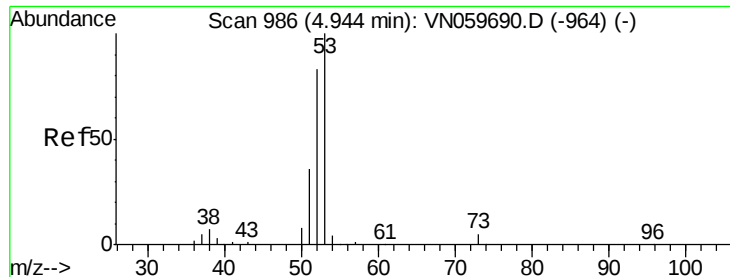


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 109.756 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

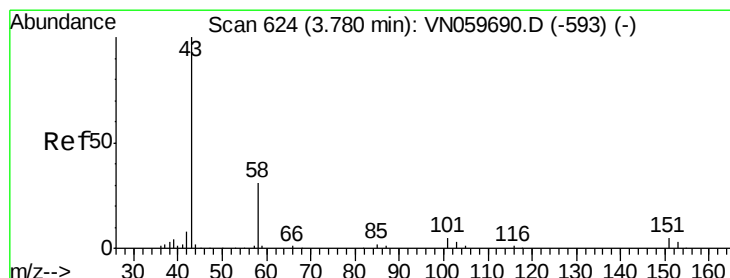
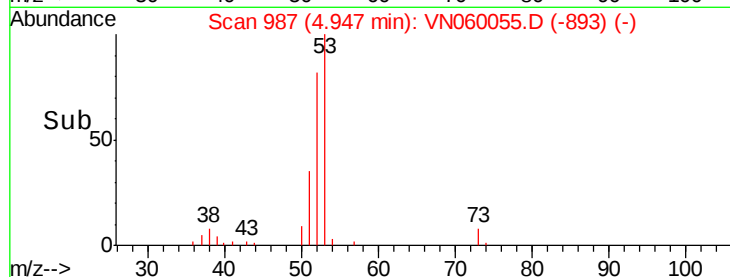
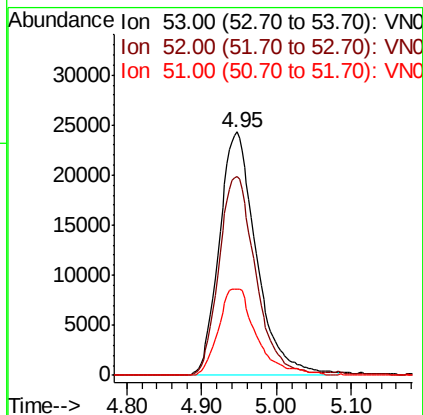
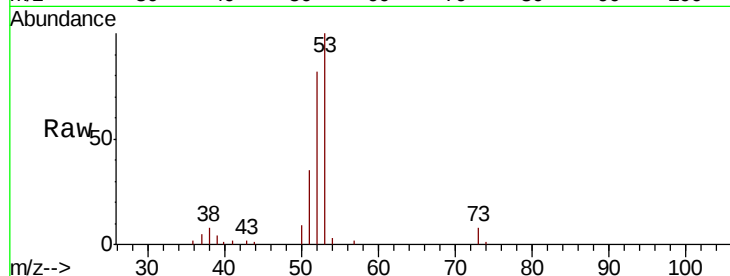
Tot Ion: 53 Resp: 83748

Ion Ratio Lower Upper

53 100

52 80.5 66.3 99.5

51 36.4 29.7 44.5



#16

Acetone

Concen: 123.211 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060055.D

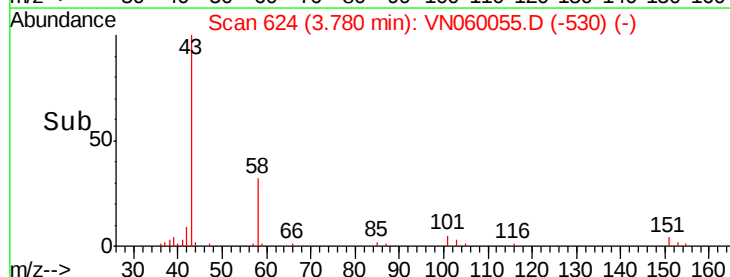
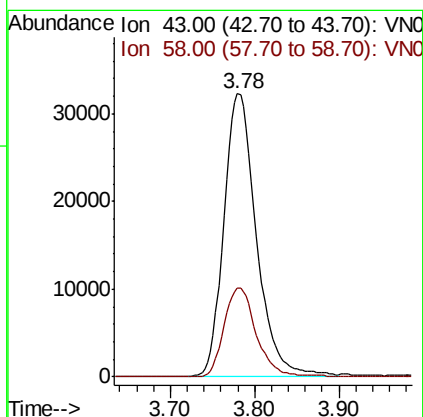
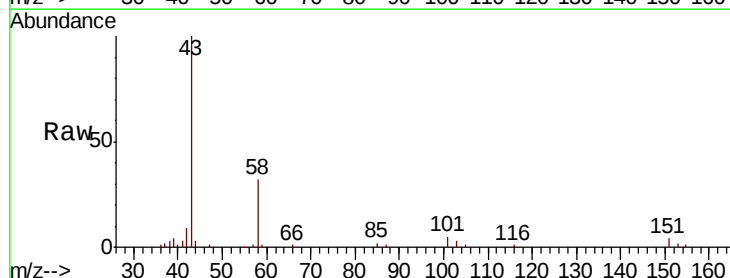
Acq: 11 Feb 2020 11:05

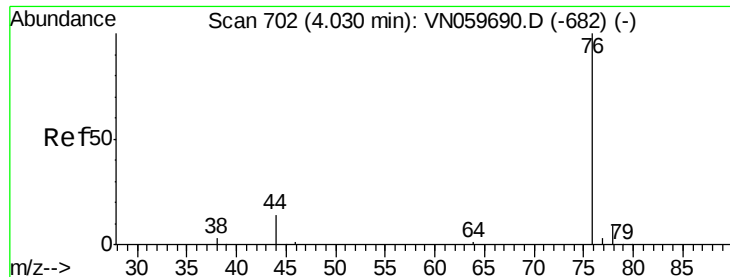
Tgt Ion: 43 Resp: 86943

Ion Ratio Lower Upper

43 100

58 31.5 23.6 35.4

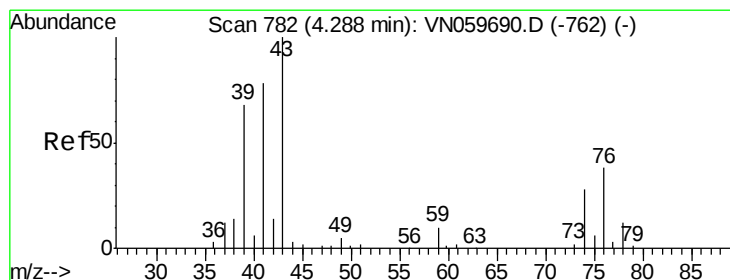
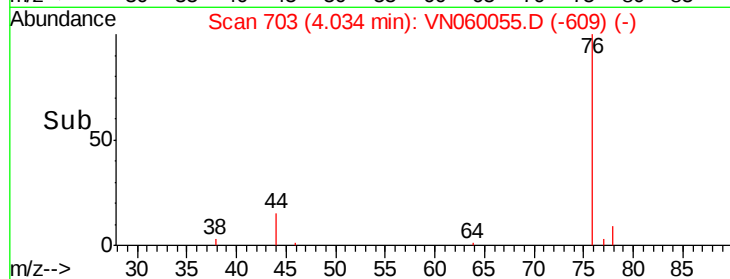
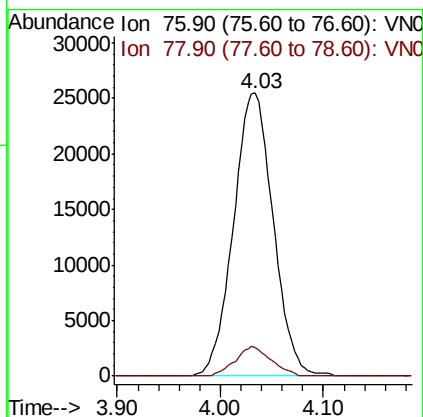
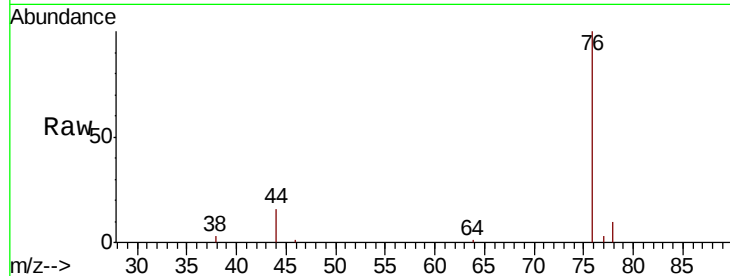




#17
Carbon Disulfide
Concen: 14.633 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

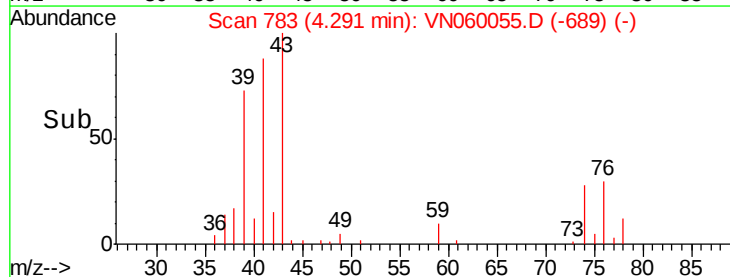
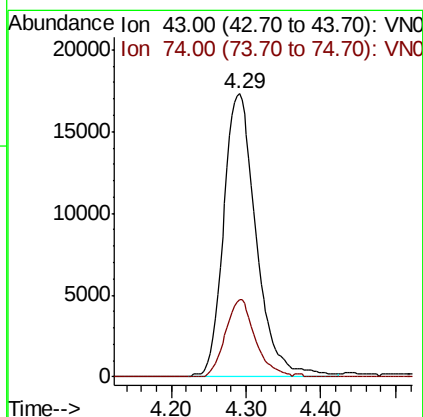
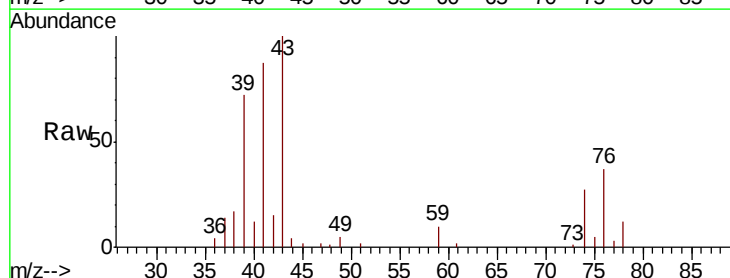
Instrument :
MSVOA_N
ClientSampled :

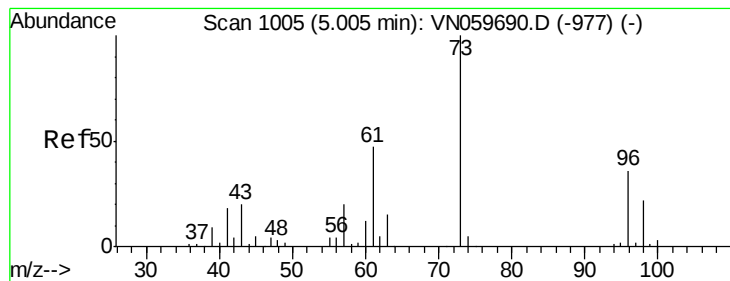
Tot Ion: 76 Resp: 68237
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0



#18
Methyl Acetate
Concen: 22.568 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 43 Resp: 52380
Ion Ratio Lower Upper
43 100
74 25.0 17.5 26.3



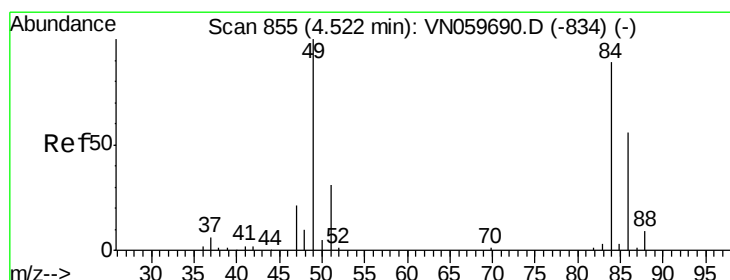
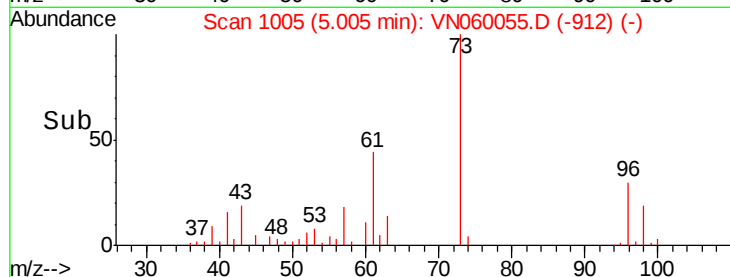
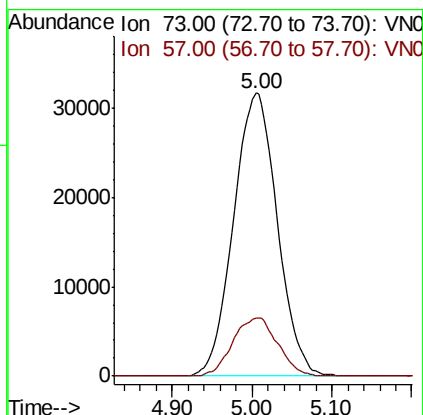
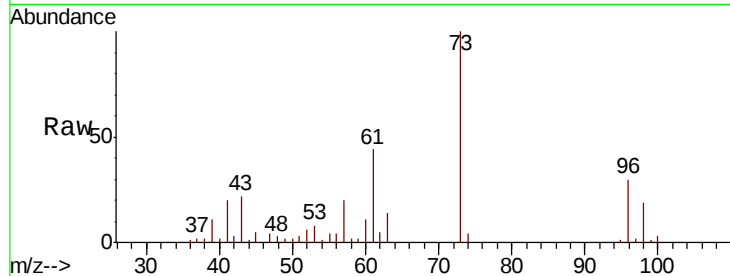


#19

Methyl tert-butyl Ether
 Concen: 22.047 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :

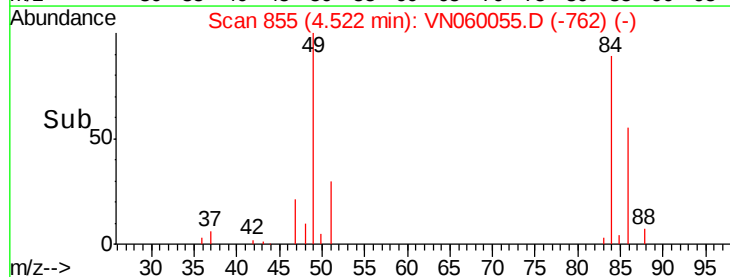
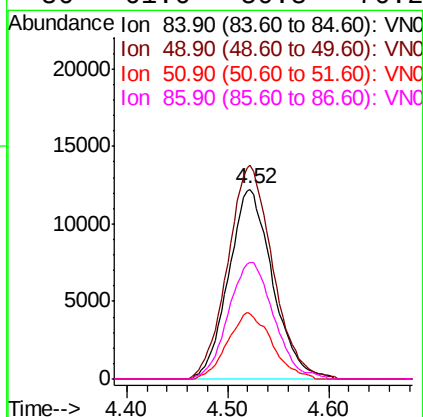
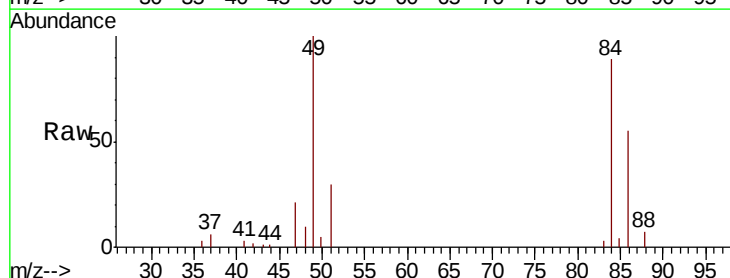
Tot Ion: 73 Resp: 117674
 Ion Ratio Lower Upper
 73 100
 57 20.5 18.6 27.8

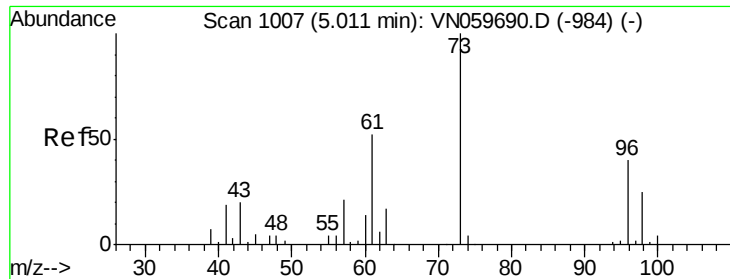


#20

Methylene Chloride
 Concen: 19.844 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion: 84 Resp: 37077
 Ion Ratio Lower Upper
 84 100
 49 112.4 106.6 160.0
 51 34.1 31.9 47.9
 86 61.6 50.8 76.2

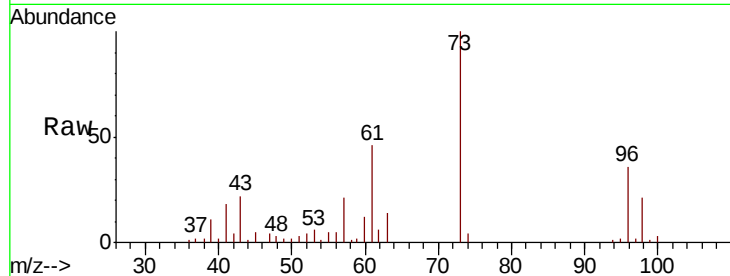




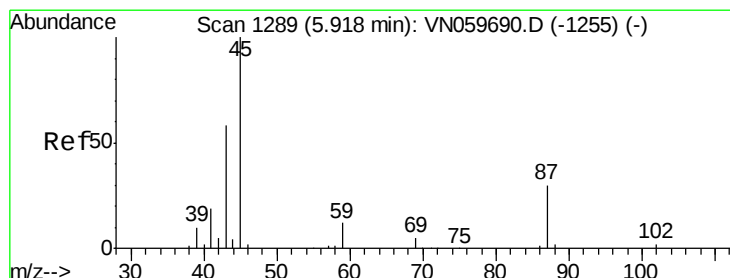
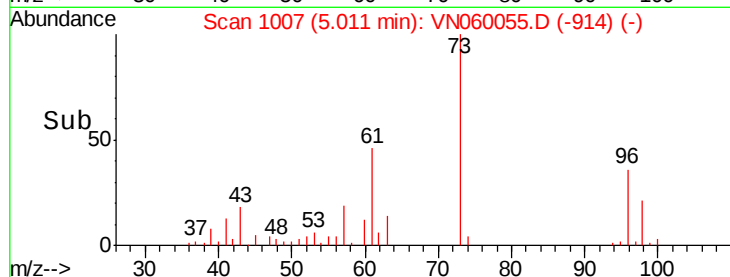
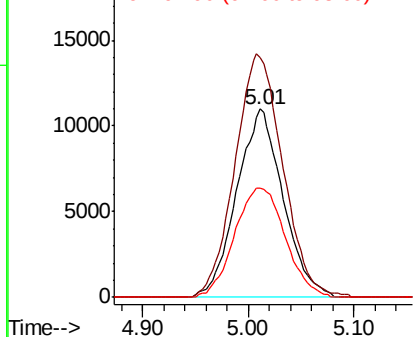
#21
trans-1,2-Dichloroethene
Concen: 19.248 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 33493
Ion Ratio Lower Upper
96 100
61 127.8 120.4 180.6
98 58.0 50.6 75.8

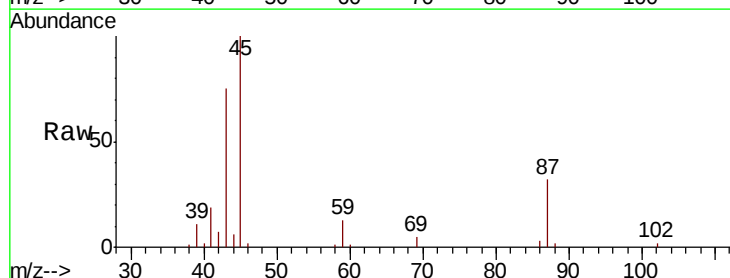


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

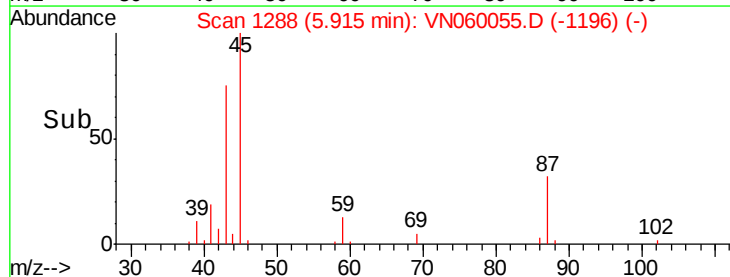
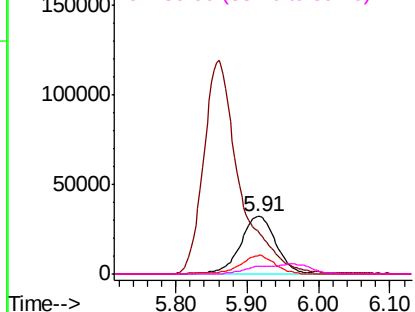


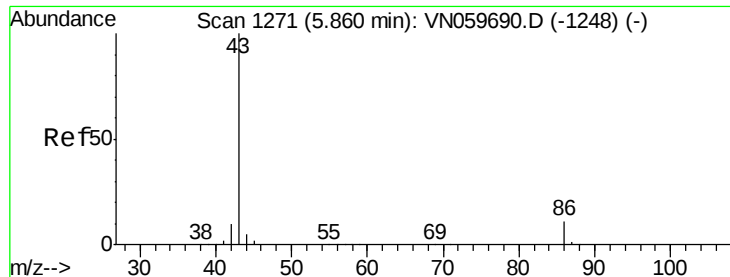
#22
Diisopropyl ether
Concen: 22.173 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 45 Resp: 110869
Ion Ratio Lower Upper
45 100
43 72.8 50.8 76.2
87 32.1 21.0 31.6#
59 13.0 9.1 13.7



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

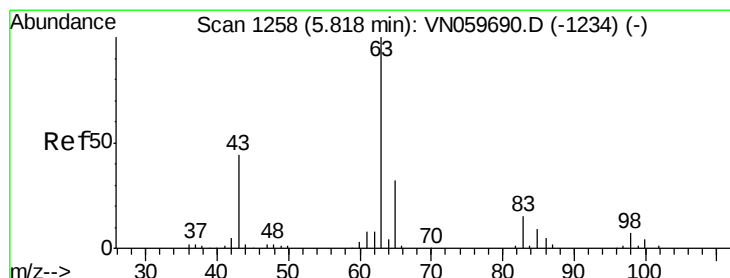
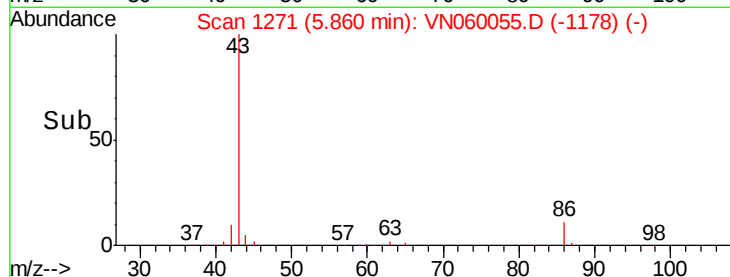
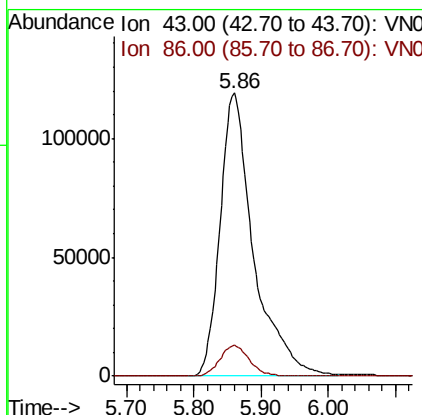
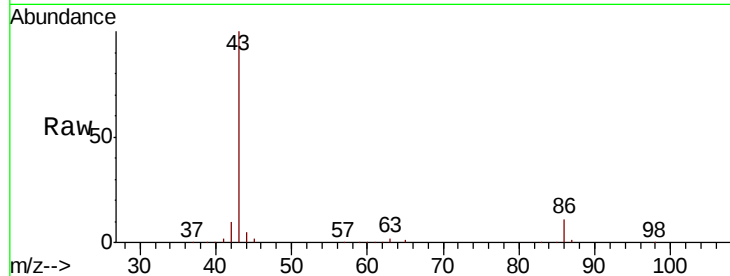




#23
 Vinyl Acetate
 Concen: 107.014 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

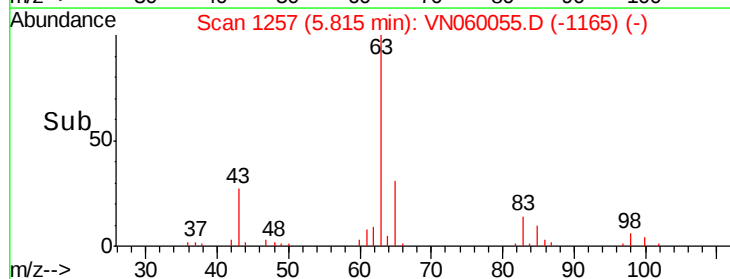
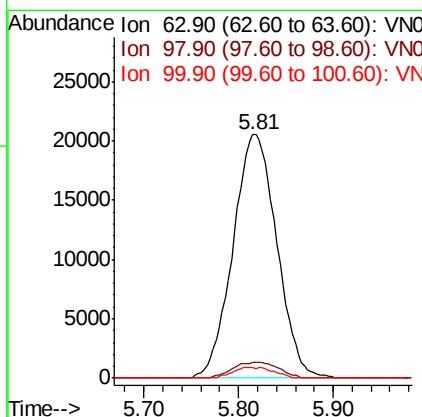
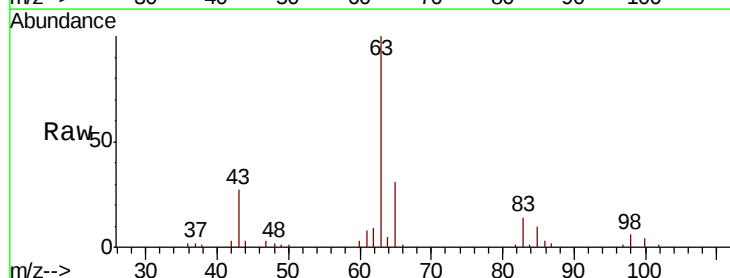
Instrument :
 MSVOA_N
 ClientSampleId :

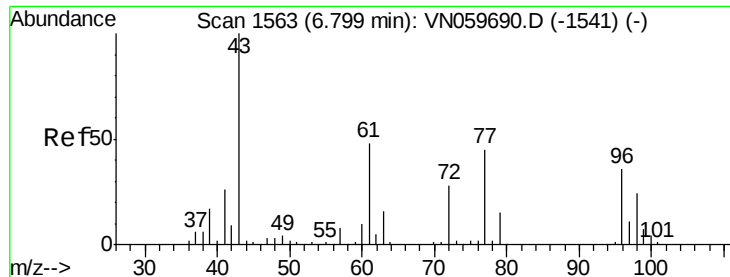
Tot Ion: 43 Resp: 414298
 Ion Ratio Lower Upper
 43 100
 86 10.9 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 21.579 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion: 63 Resp: 65931
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.7
 100 4.1 2.0 6.0

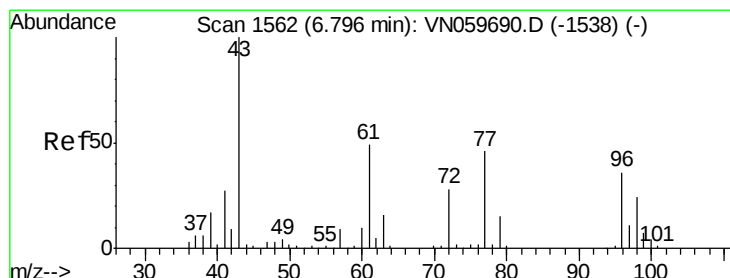
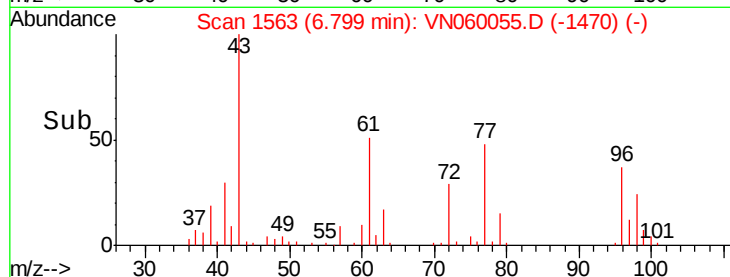
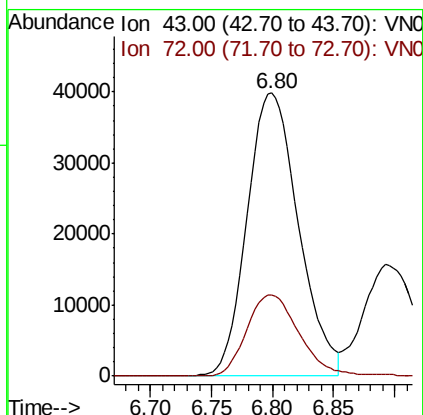
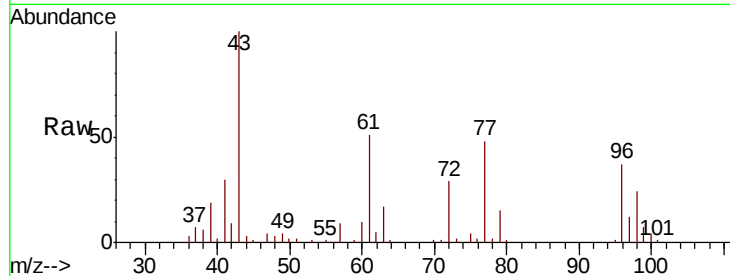




#25
2-Butanone
Concen: 103.597 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

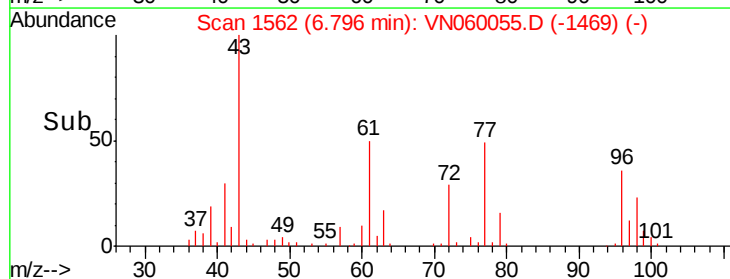
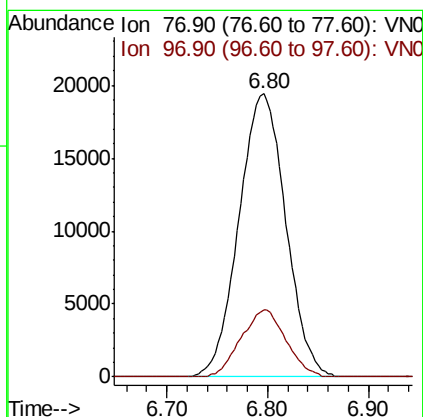
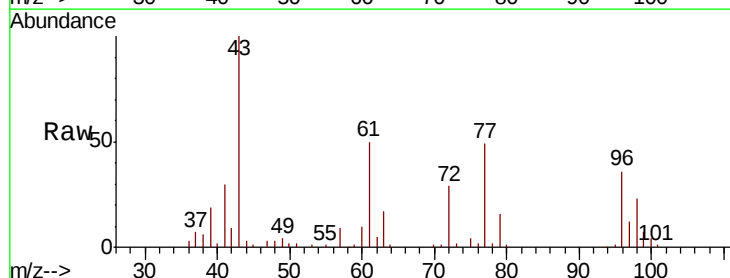
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 116572
Ion Ratio Lower Upper
43 100
72 28.8 19.9 29.9



#26
2,2-Dichloropropane
Concen: 21.288 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 77 Resp: 62530
Ion Ratio Lower Upper
77 100
97 22.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 21.105 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

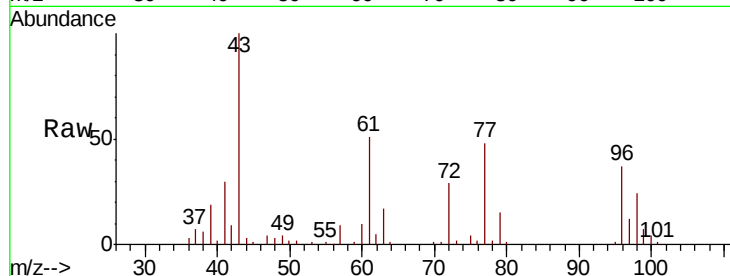
Tot Ion: 96 Resp: 42241

Ion Ratio Lower Upper

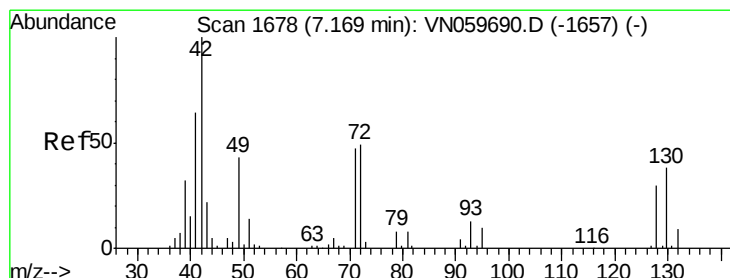
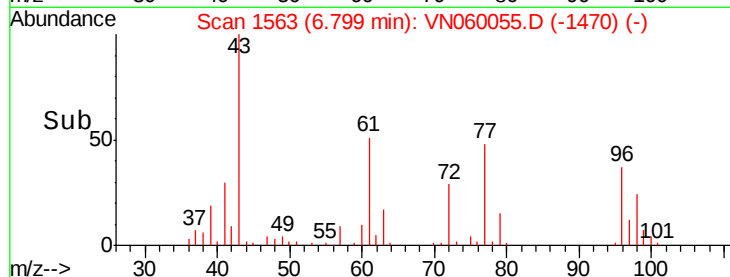
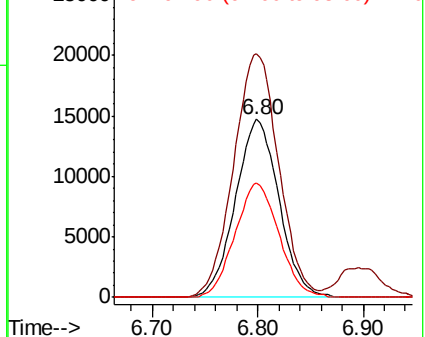
96 100

61 141.9 0.0 317.6

98 64.6 0.0 127.0



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: 22.539 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

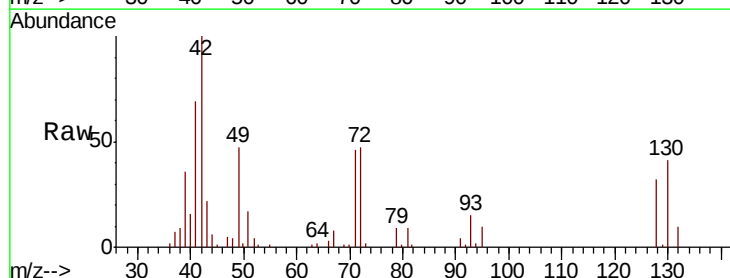
Tgt Ion: 49 Resp: 27523

Ion Ratio Lower Upper

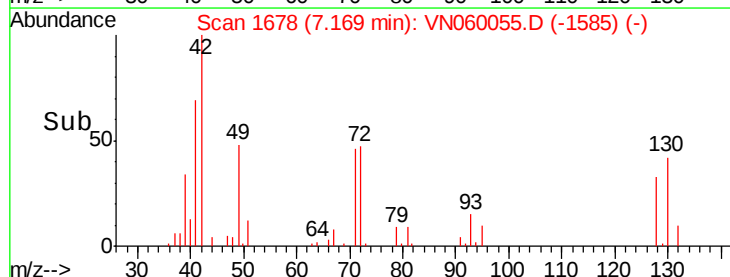
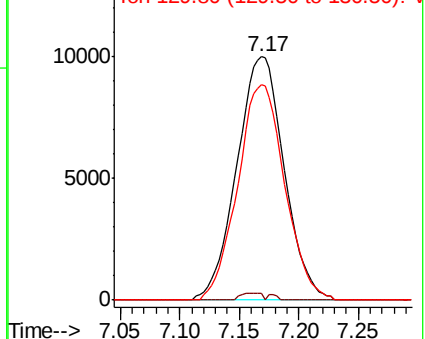
49 100

129 1.3 0.0 3.4

130 87.8 54.7 82.1#



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

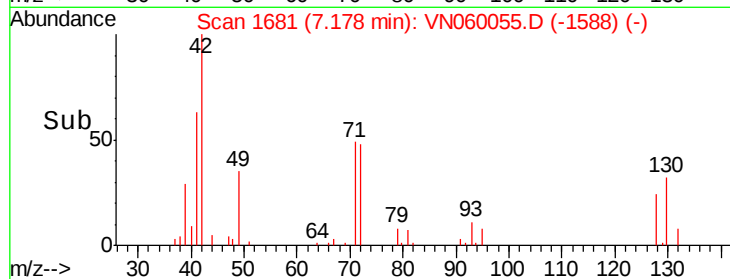
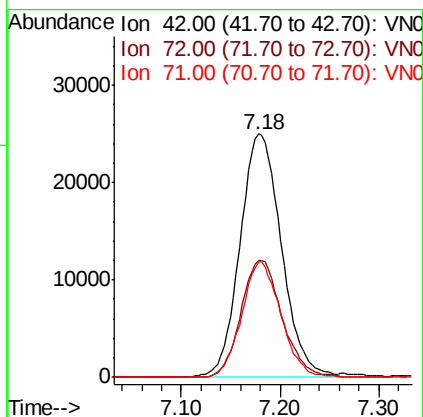
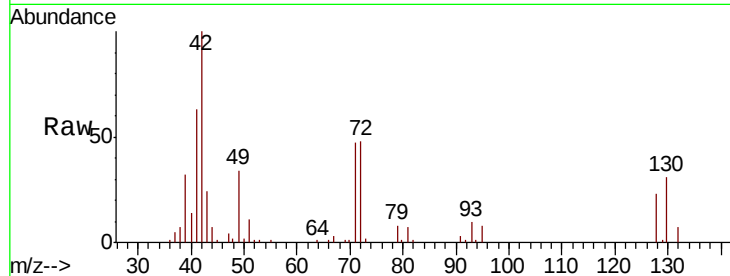




#29
Tetrahydrofuran
Concen: 104.512 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

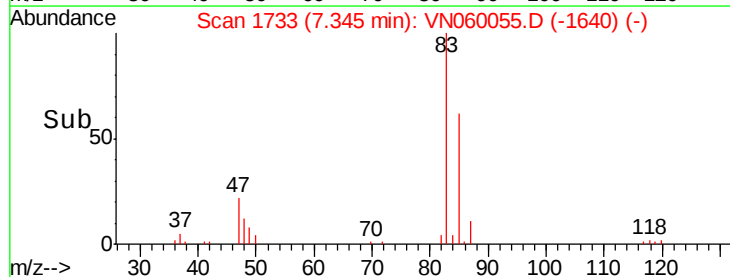
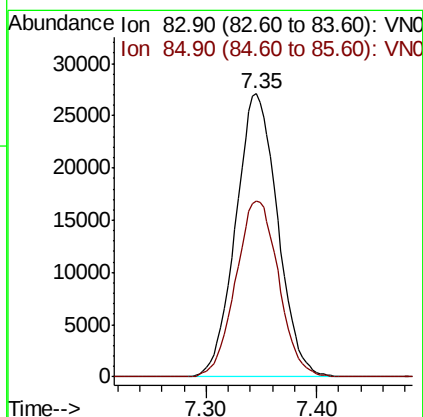
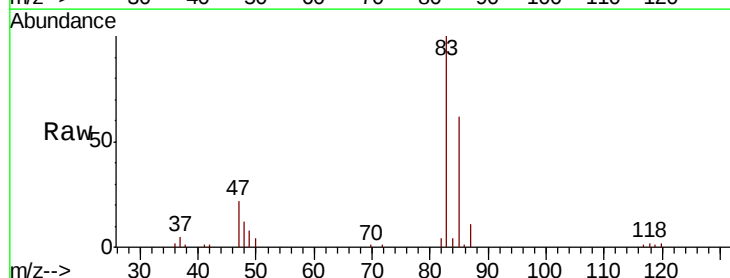
Instrument :
MSVOA_N
ClientSampled :

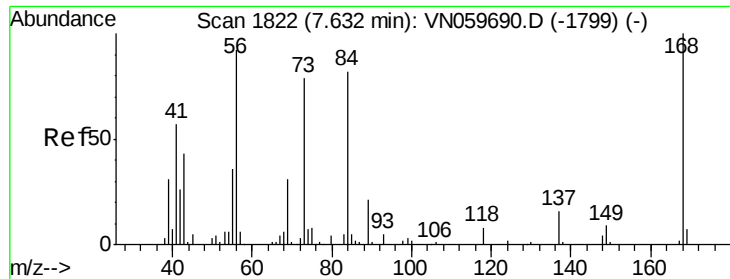
Tot Ion: 42 Resp: 72762
Ion Ratio Lower Upper
42 100
72 47.3 33.1 49.7
71 44.8 31.4 47.0



#30
Chloroform
Concen: 22.513 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 83 Resp: 71267
Ion Ratio Lower Upper
83 100
85 62.2 52.4 78.6

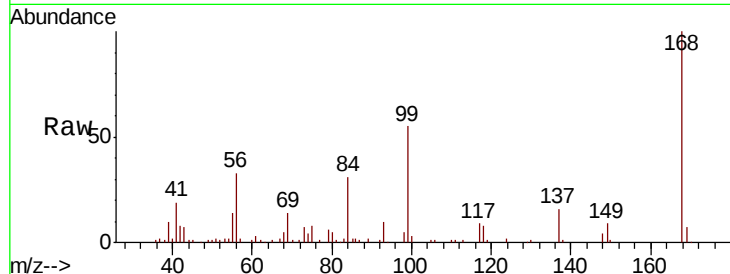




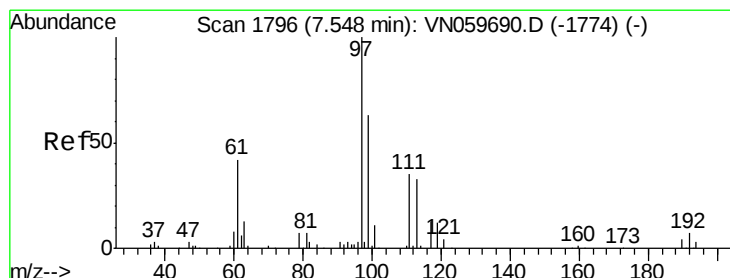
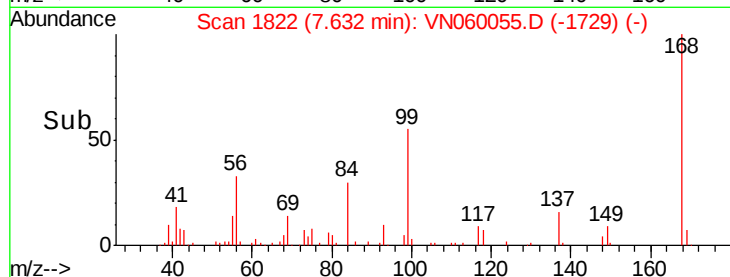
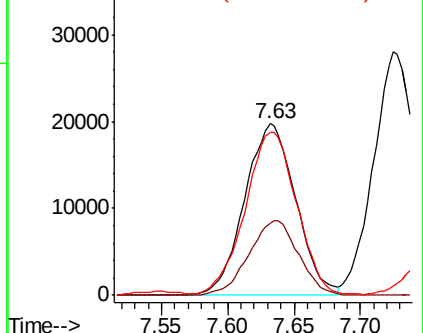
#31
Cyclohexane
Concen: 18.083 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 53162
Ion Ratio Lower Upper
56 100
69 42.3 26.5 39.7#
84 94.4 65.3 97.9

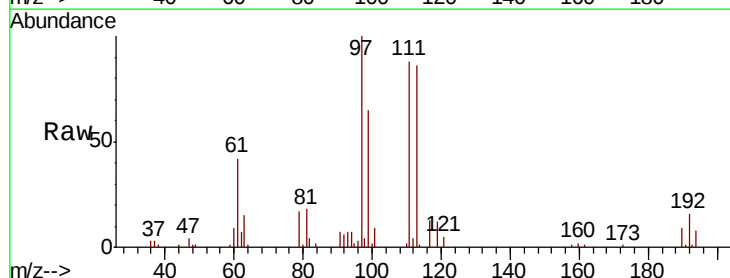


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

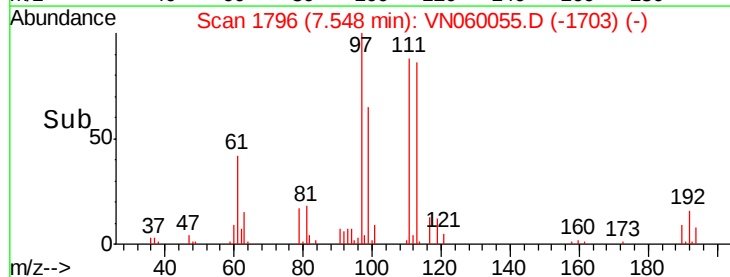
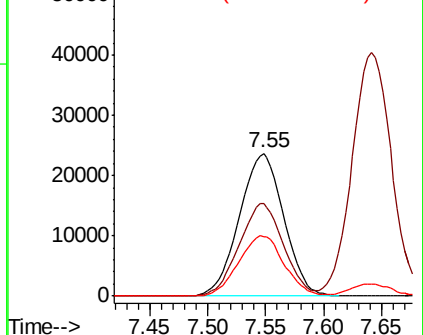


#32
1,1,1-Trichloroethane
Concen: 21.534 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 97 Resp: 63029
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.4
61 43.3 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

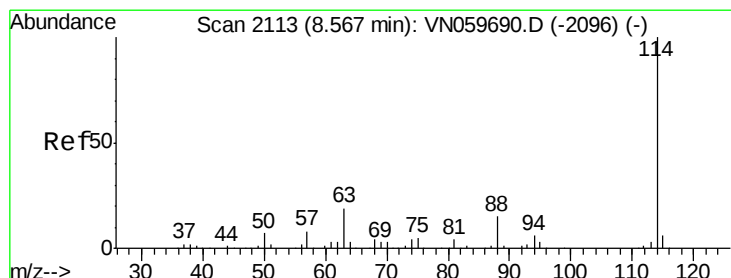
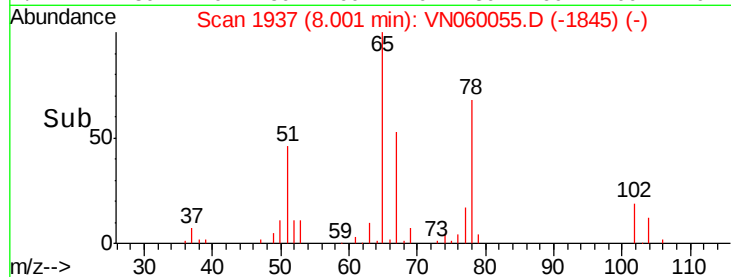
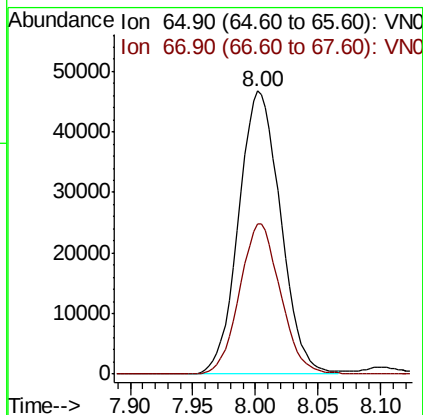
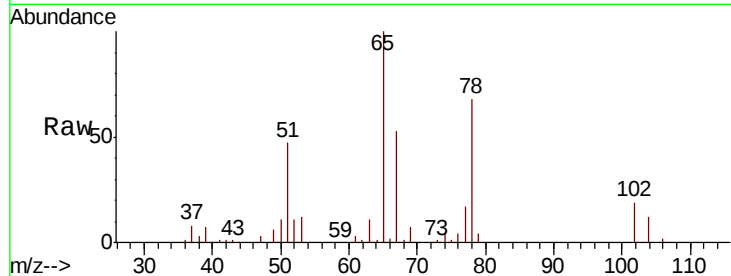




#33
 1,2-Dichloroethane-d4
 Concen: 54.768 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

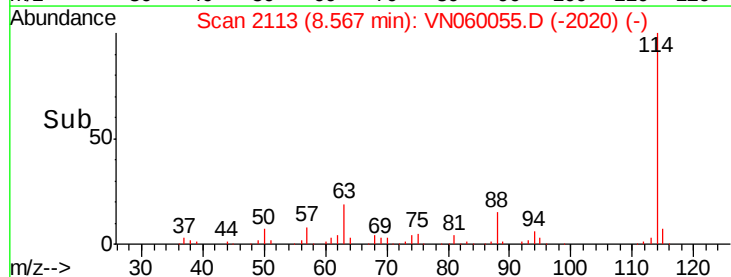
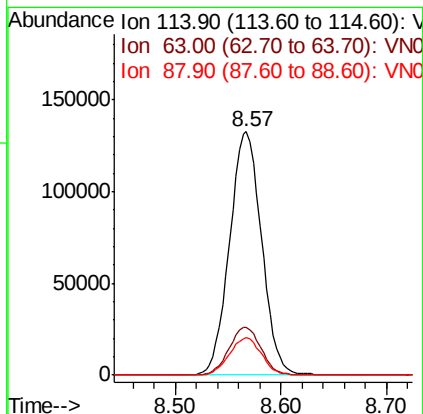
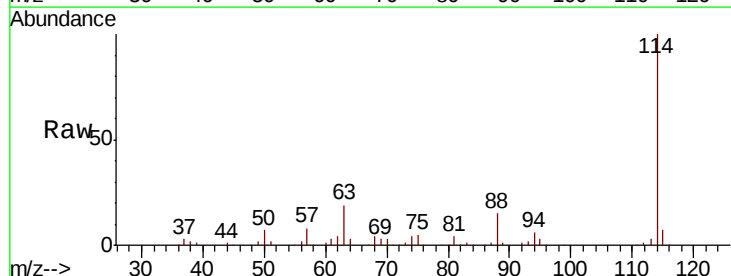
Instrument :
 MSVOA_N
 ClientSampled :

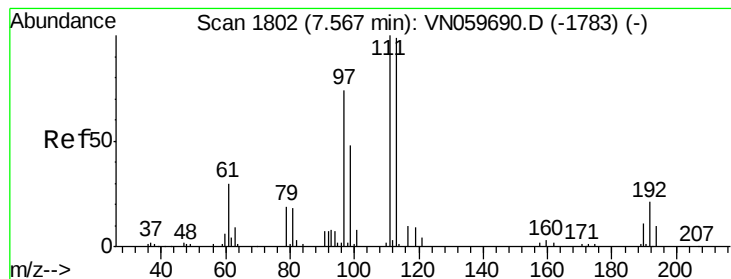
Tot Ion: 65 Resp: 108826
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion: 114 Resp: 278981
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.6
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.946 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

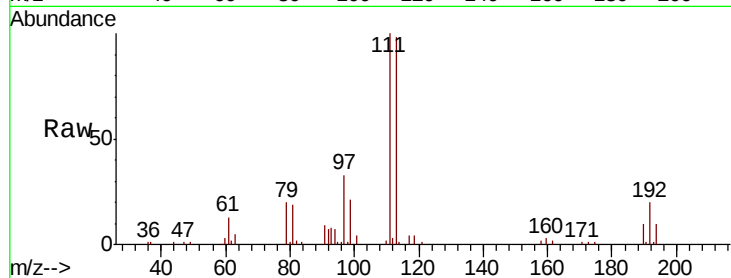
Tot Ion:113 Resp: 89750

Ion Ratio Lower Upper

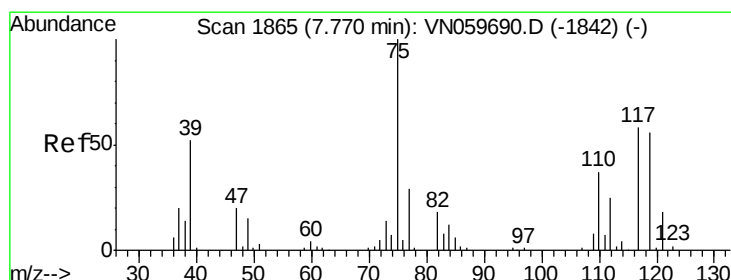
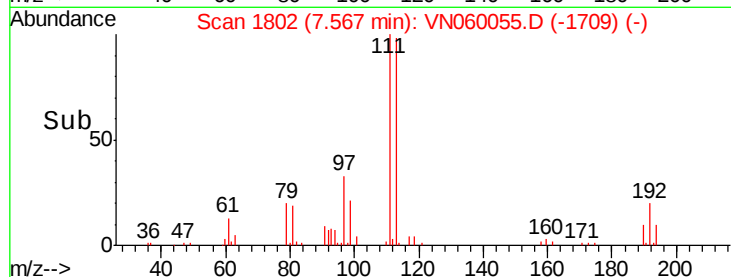
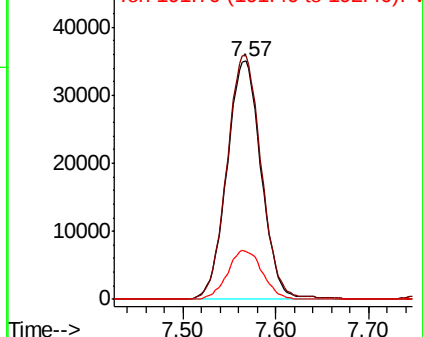
113 100

111 103.1 83.5 125.3

192 20.7 15.4 23.2



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: 19.630 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

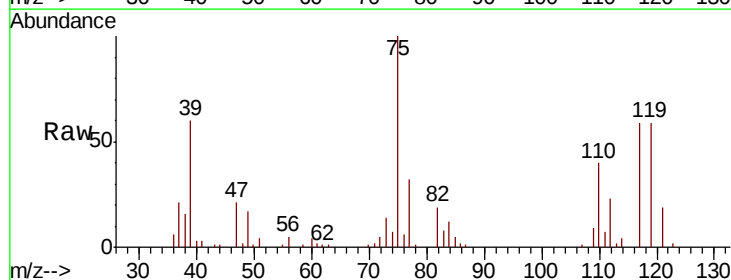
Tgt Ion: 75 Resp: 47691

Ion Ratio Lower Upper

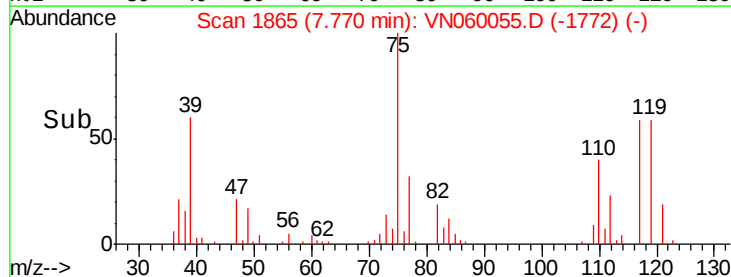
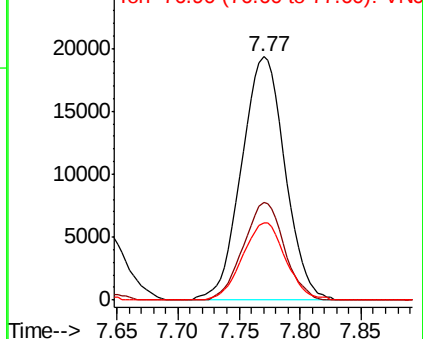
75 100

110 37.8 16.6 49.7

77 31.5 25.1 37.7



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

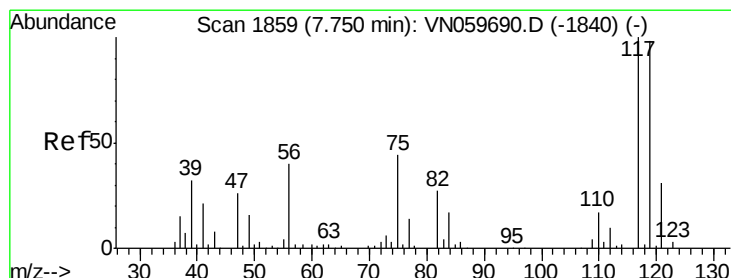
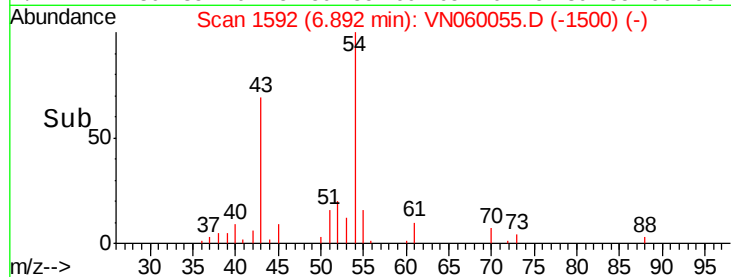
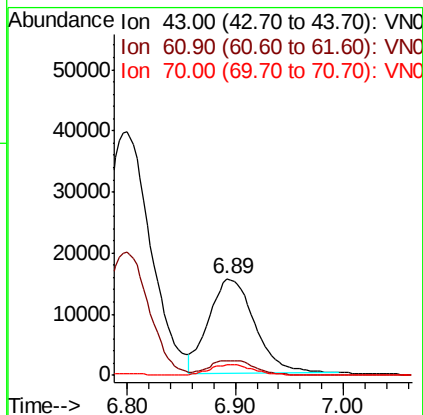
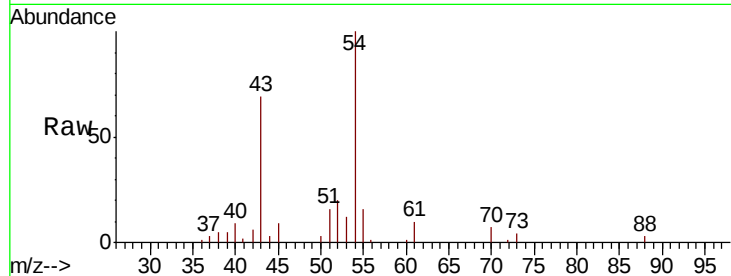




#37
Ethyl Acetate
Concen: 20.387 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

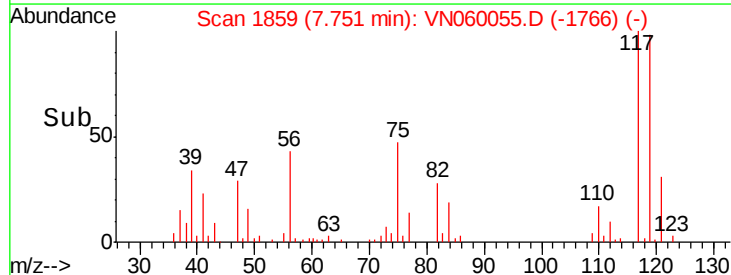
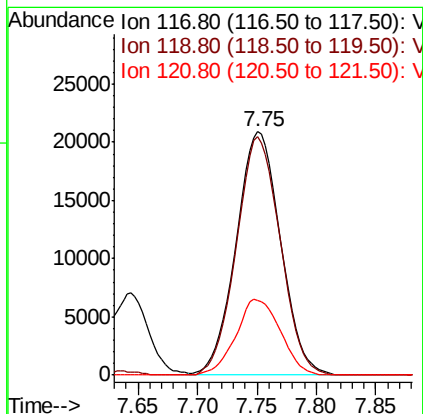
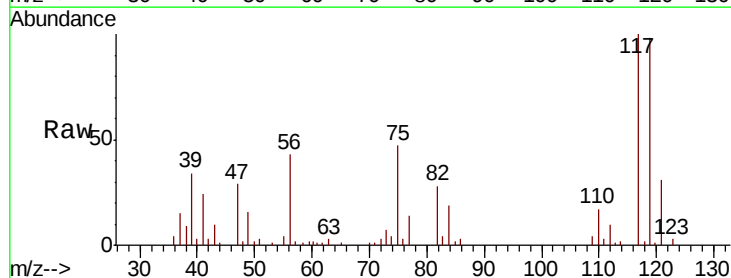
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 46455
Ion Ratio Lower Upper
43 100
61 15.4 10.9 16.3
70 10.6 7.7 11.5



#38
Carbon Tetrachloride
Concen: 20.517 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 117 Resp: 54221
Ion Ratio Lower Upper
117 100
119 97.8 76.5 114.7
121 30.7 25.1 37.7

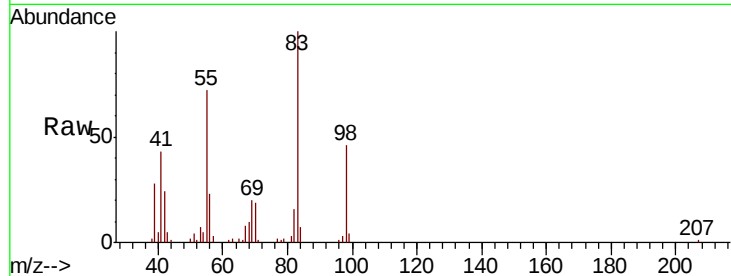




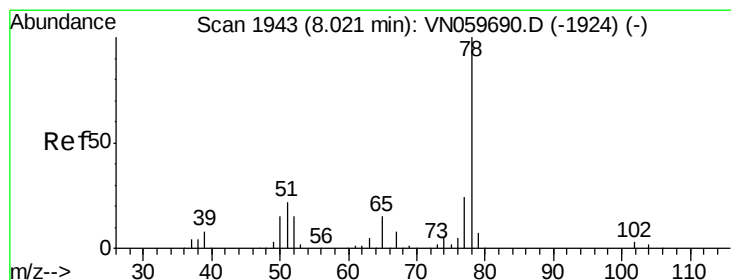
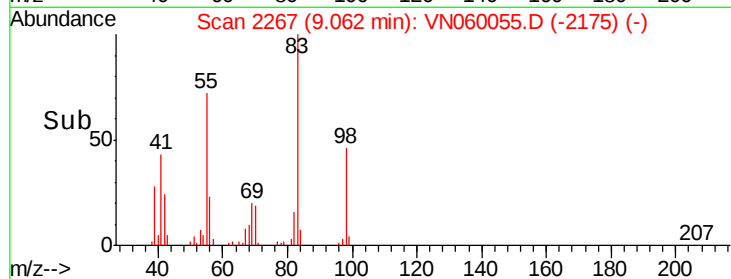
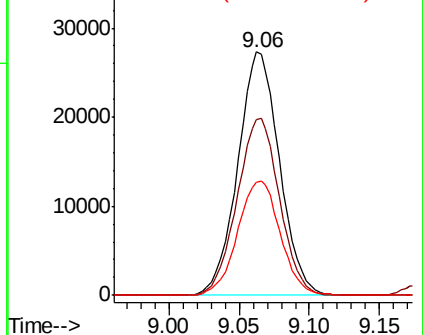
#39
Methvlcvclohexane
Concen: 18.858 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 56490
Ion Ratio Lower Upper
83 100
55 72.3 64.2 96.2
98 46.4 35.9 53.9

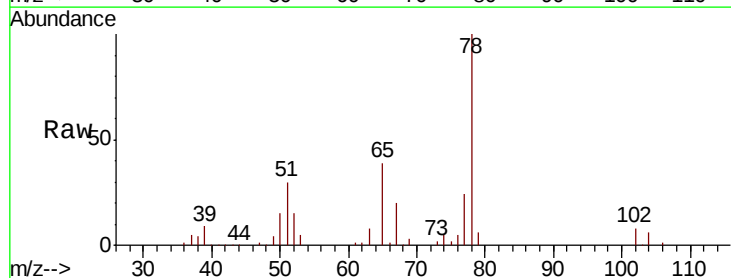


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

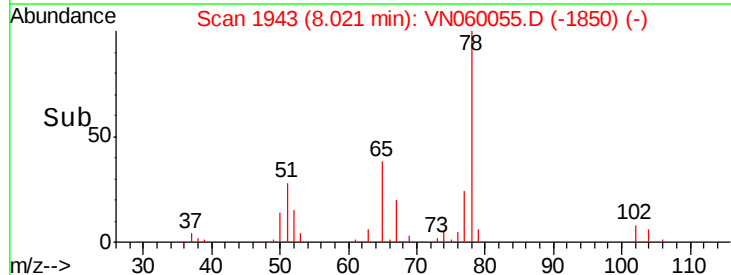
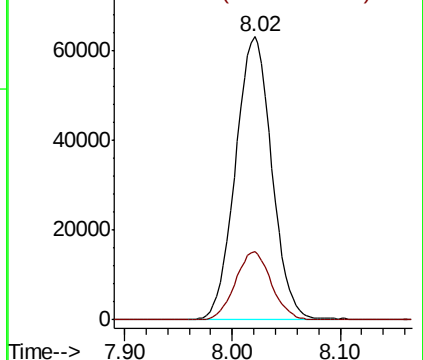


#40
Benzene
Concen: 20.398 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 78 Resp: 147797
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

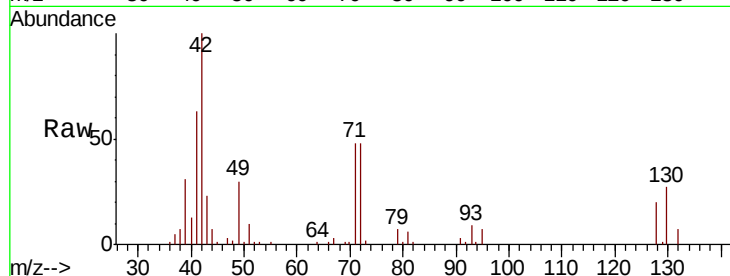




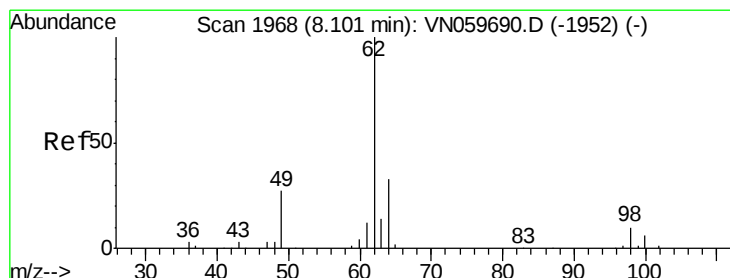
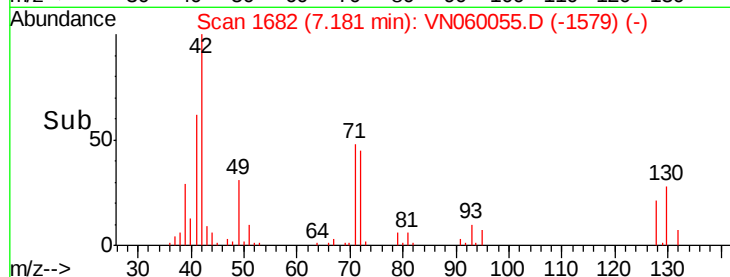
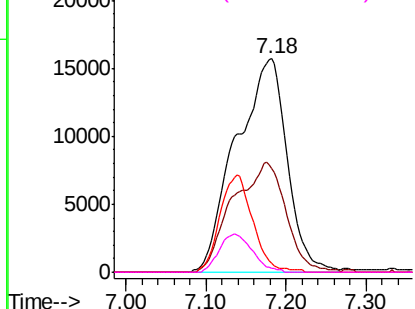
#41
Methacrylonitrile
Concen: 61.363 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 68871
Ion Ratio Lower Upper
41 100
39 53.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

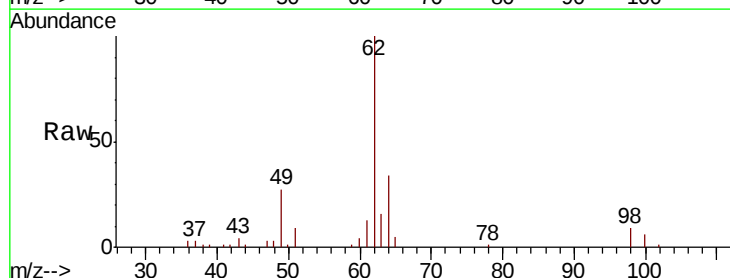


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

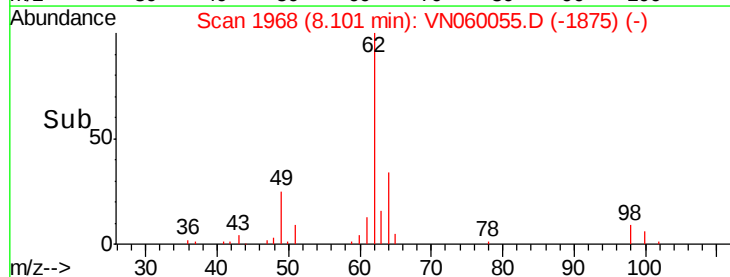
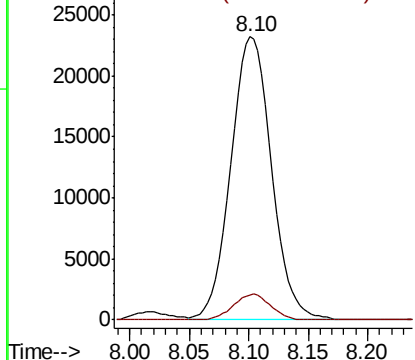


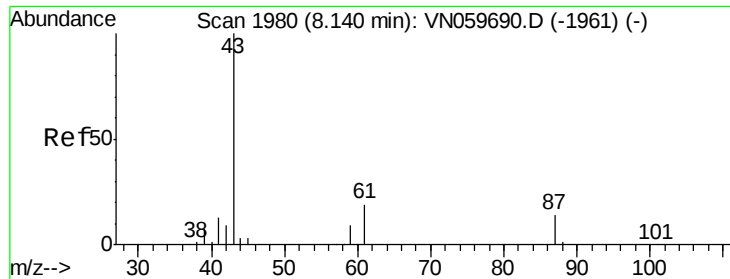
#42
1,2-Dichloroethane
Concen: 22.398 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 62 Resp: 55023
Ion Ratio Lower Upper
62 100
98 8.3 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 21.114 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

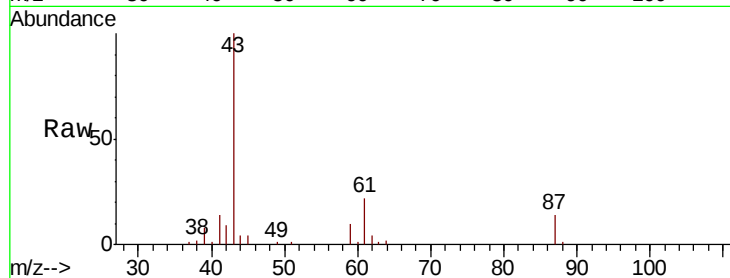
Tot Ion: 43 Resp: 82752

Ion Ratio Lower Upper

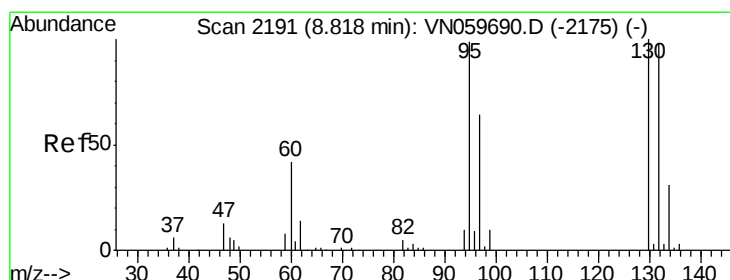
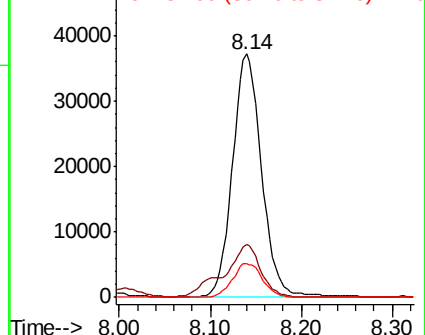
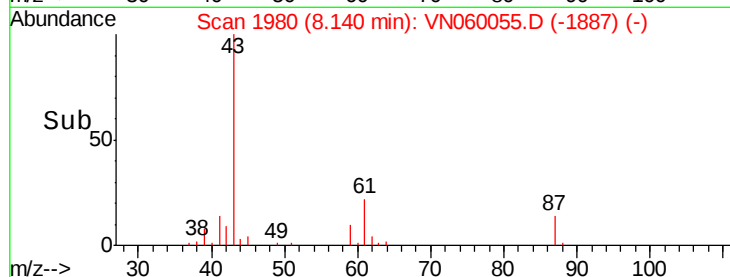
43 100

61 20.6 20.2 30.2

87 14.1 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN060055.D (-1987) (-)



#44

Trichloroethene

Concen: 20.722 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060055.D

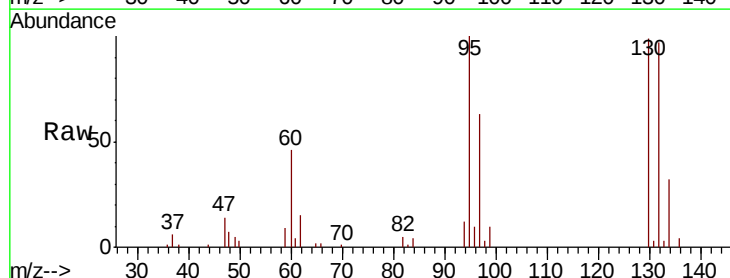
Acq: 11 Feb 2020 11:05

Tgt Ion:130 Resp: 40987

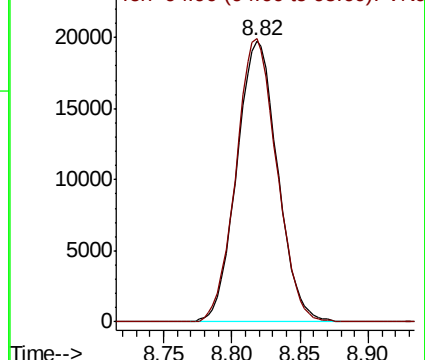
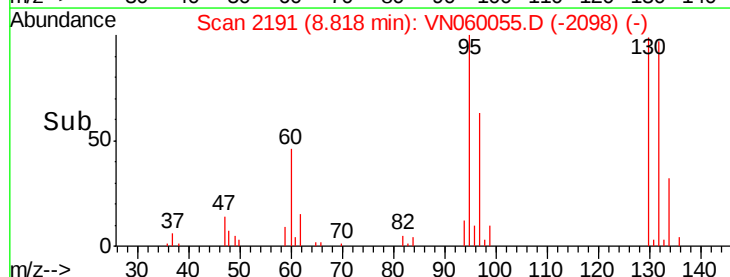
Ion Ratio Lower Upper

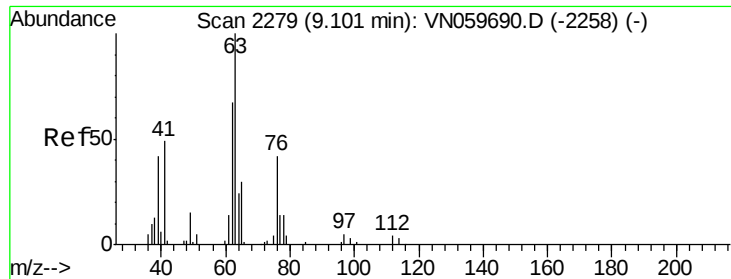
130 100

95 100.8 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN060055.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 22.296 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

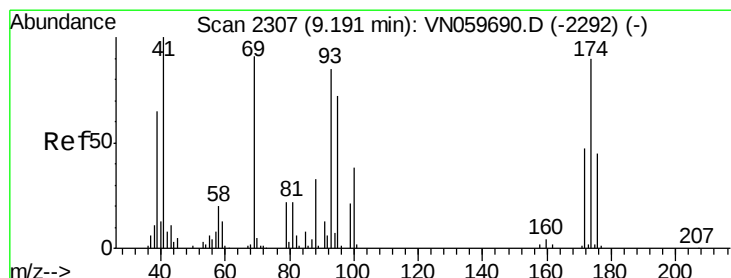
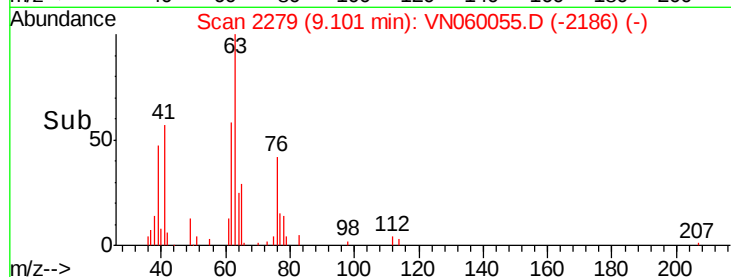
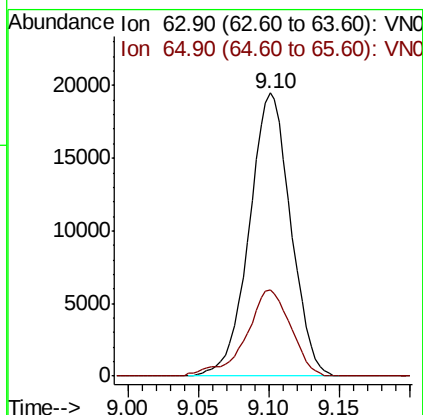
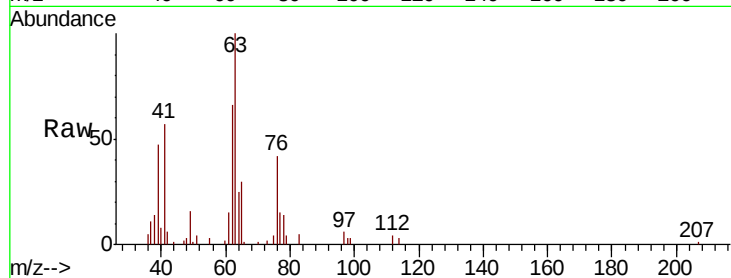
ClientSampled :

Tot Ion: 63 Resp: 39975

Ion Ratio Lower Upper

63 100

65 30.3 24.9 37.3



#46

Dibromomethane

Concen: 22.024 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

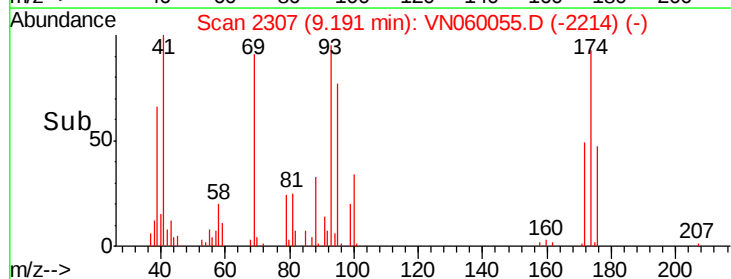
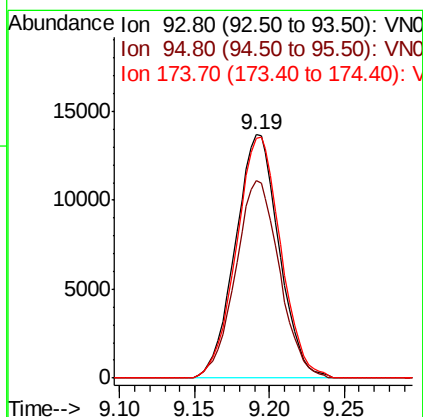
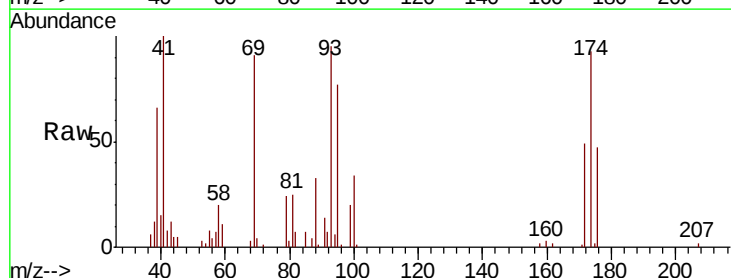
Tgt Ion: 93 Resp: 27854

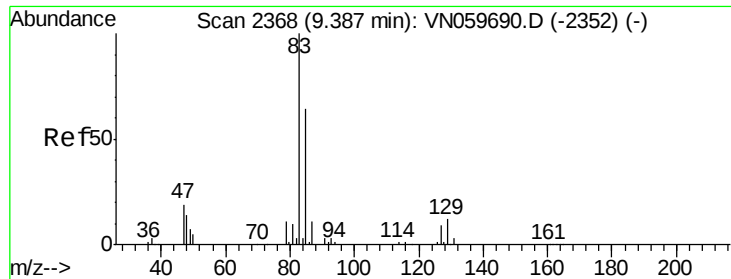
Ion Ratio Lower Upper

93 100

95 81.4 67.0 100.6

174 100.5 73.4 110.2

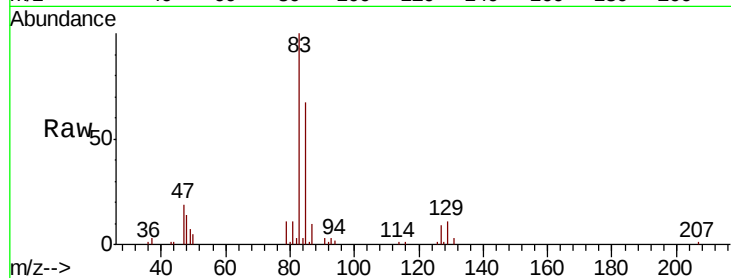




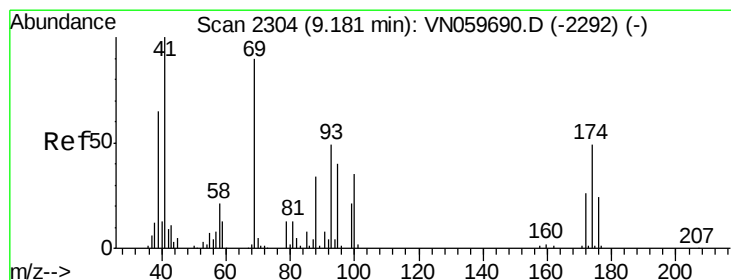
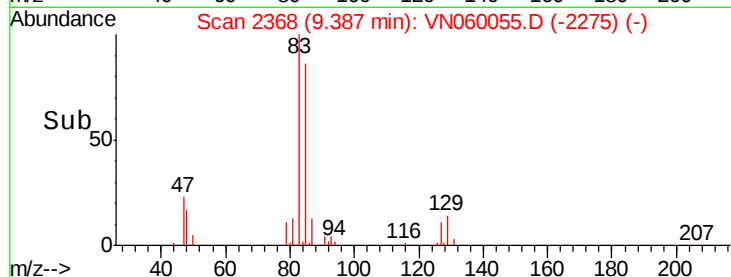
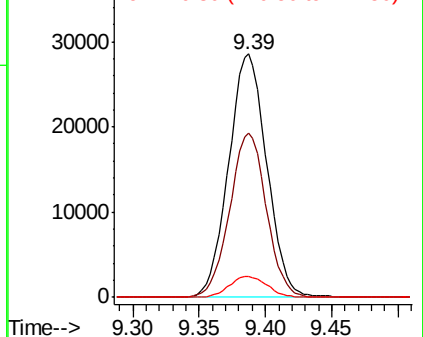
#47
Bromodichloromethane
Concen: 22.369 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 57010
Ion Ratio Lower Upper
83 100
85 67.5 51.1 76.7
127 8.8 6.6 9.8

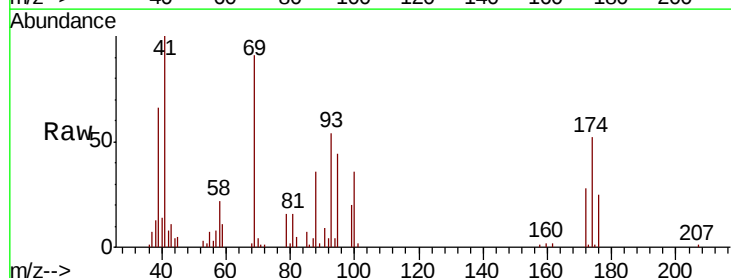


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

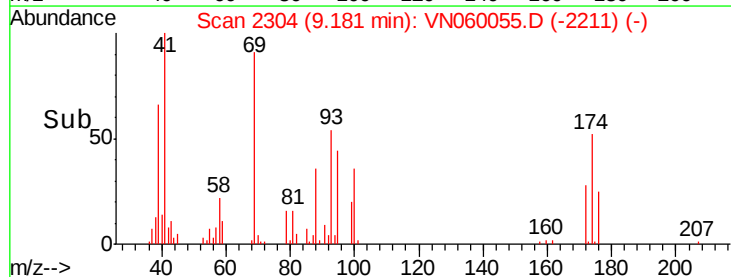
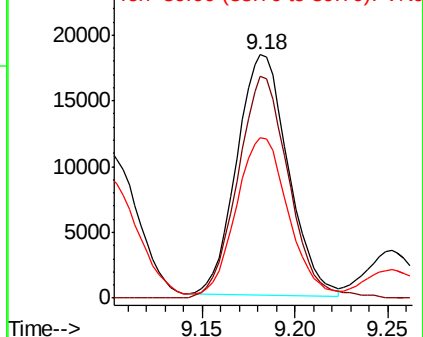


#48
Methyl methacrylate
Concen: 20.059 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 41 Resp: 35166
Ion Ratio Lower Upper
41 100
69 91.8 64.4 96.6
39 68.2 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

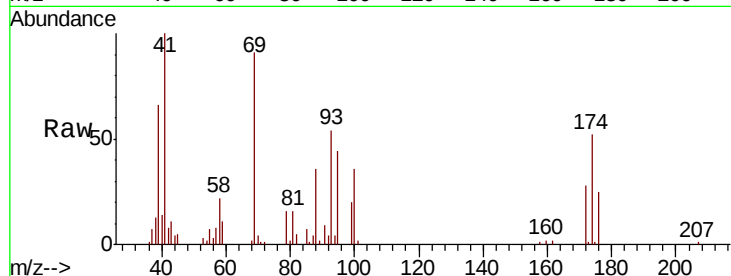




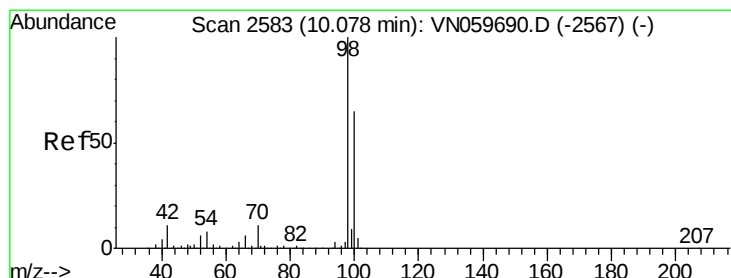
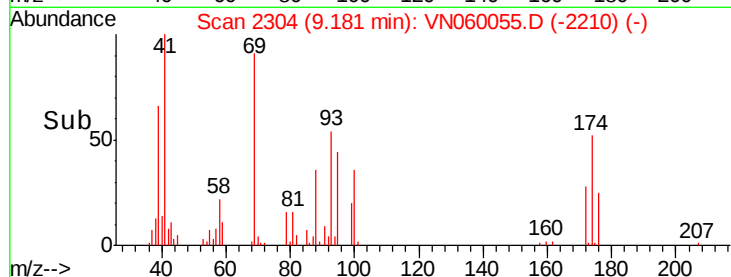
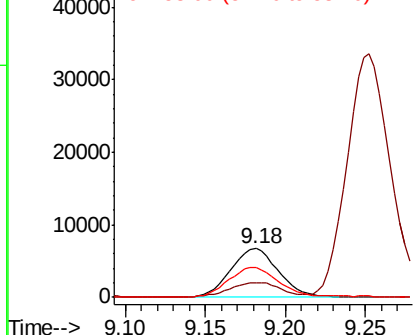
#49
1,4-Dioxane
Concen: 428.223 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 13743
Ion Ratio Lower Upper
88 100
43 32.1 29.7 44.5
58 64.3 56.6 85.0

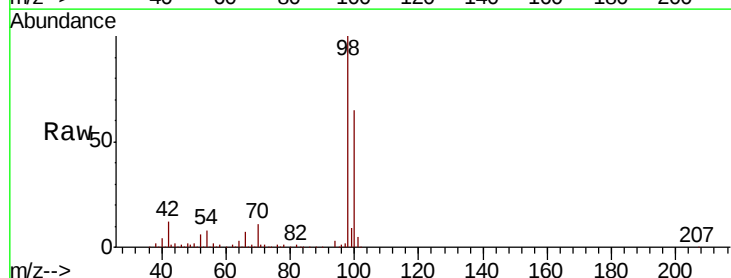


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

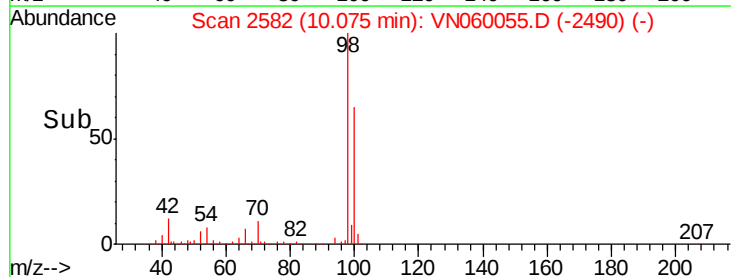
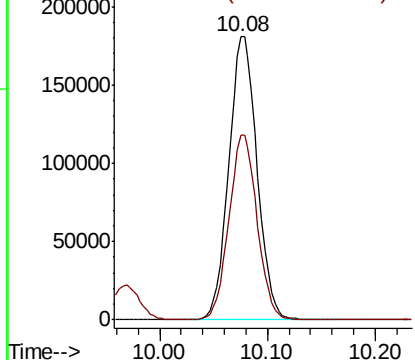


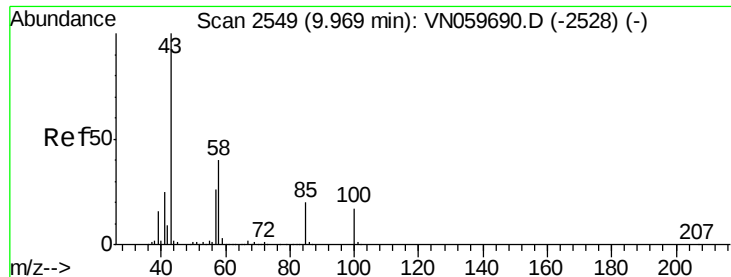
#50
Toluene-d8
Concen: 51.279 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 98 Resp: 330540
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 107.448 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

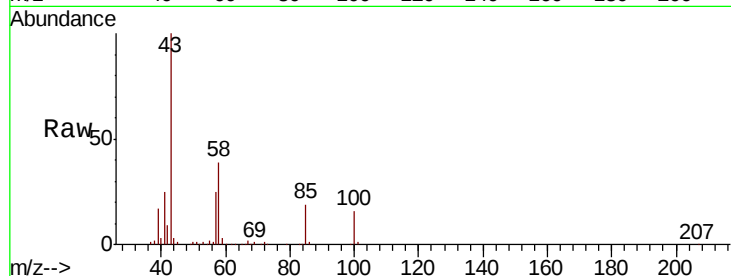
ClientSampled :

Tot Ion: 43 Resp: 243440

Ion Ratio Lower Upper

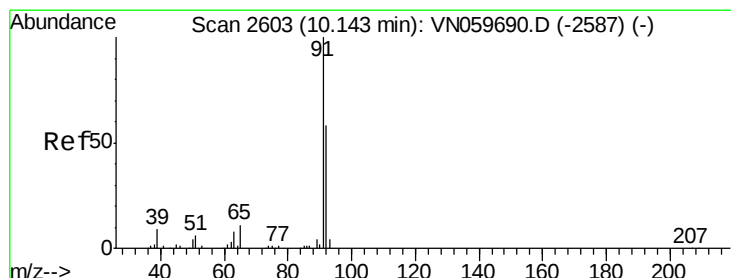
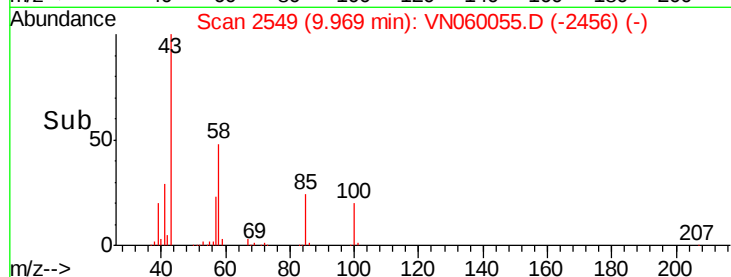
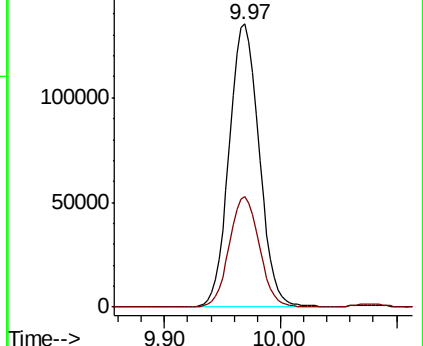
43 100

58 38.9 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.849 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060055.D

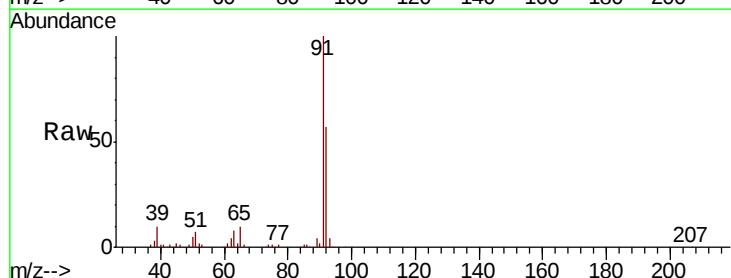
Acq: 11 Feb 2020 11:05

Tgt Ion: 92 Resp: 95419

Ion Ratio Lower Upper

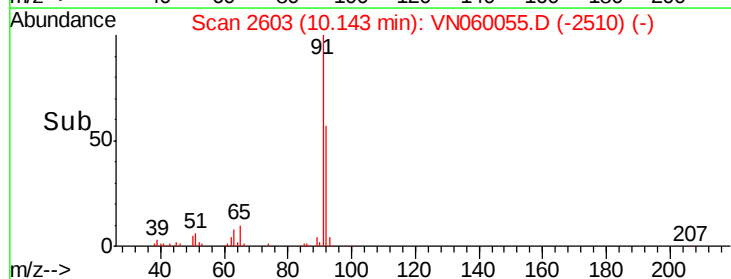
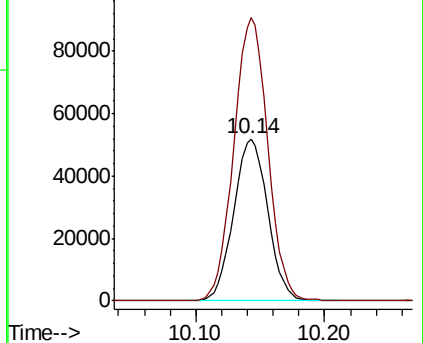
92 100

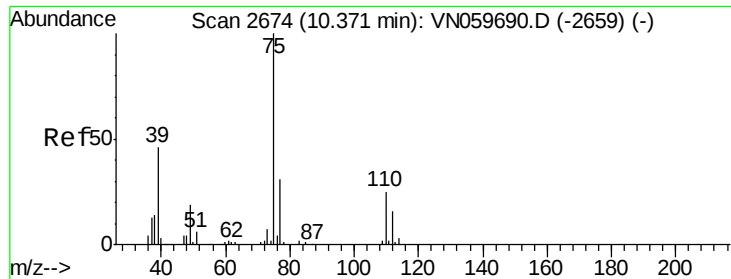
91 174.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 22.014 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

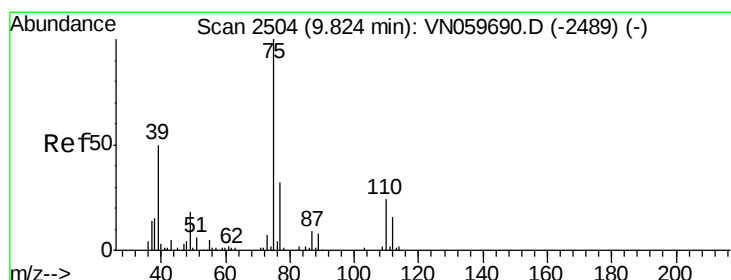
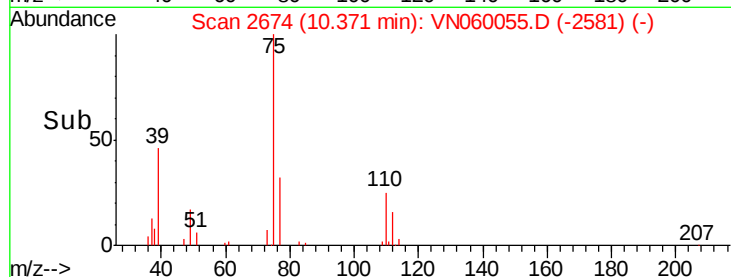
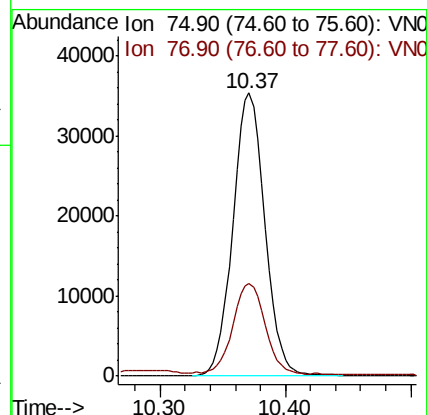
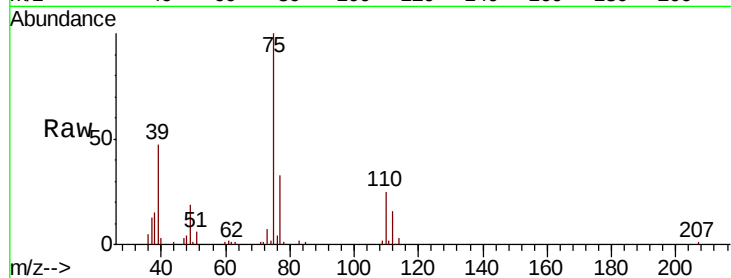
ClientSampleId :

Tot Ion: 75 Resp: 62647

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.841 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

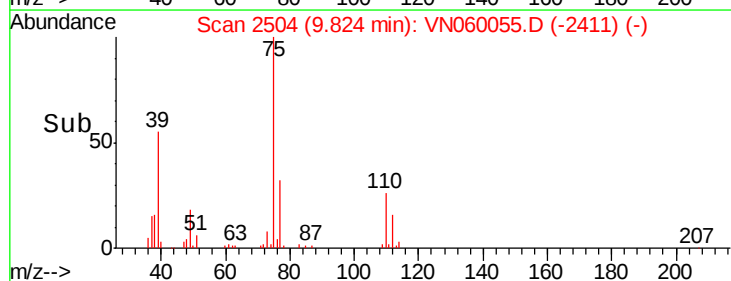
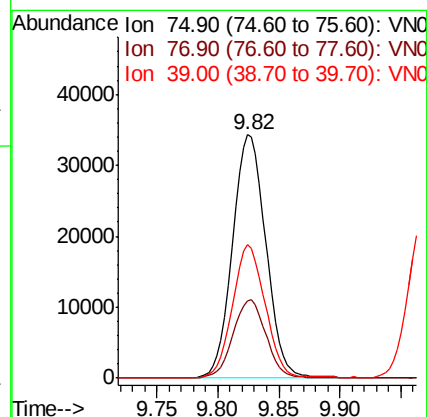
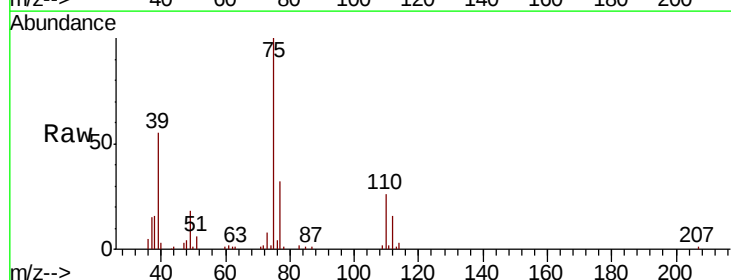
Tgt Ion: 75 Resp: 65399

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 54.9 46.1 69.1

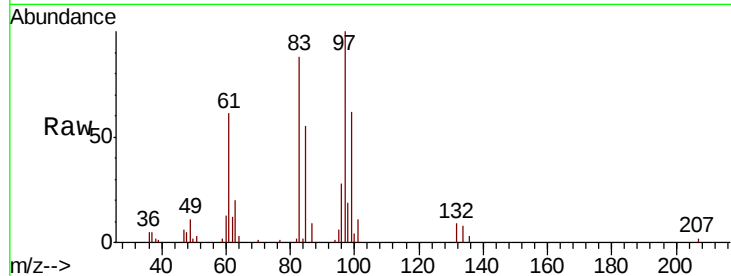




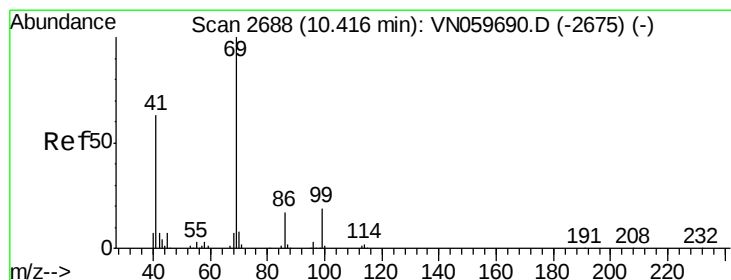
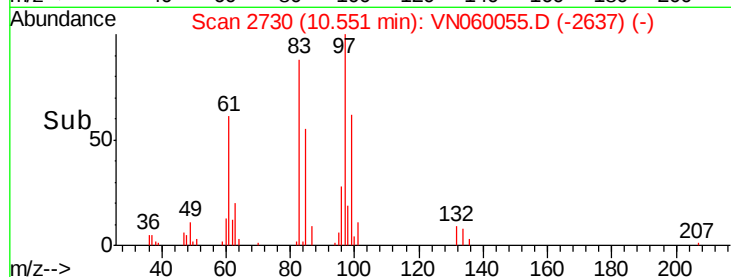
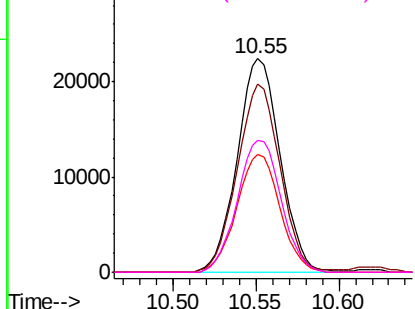
#55
 1,1,2-Trichloroethane
 Concen: 22.239 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	40311
Ion	Ratio	Lower	Upper
97	100		
83	88.0	71.3	106.9
85	55.0	45.8	68.8
99	61.7	50.0	75.0

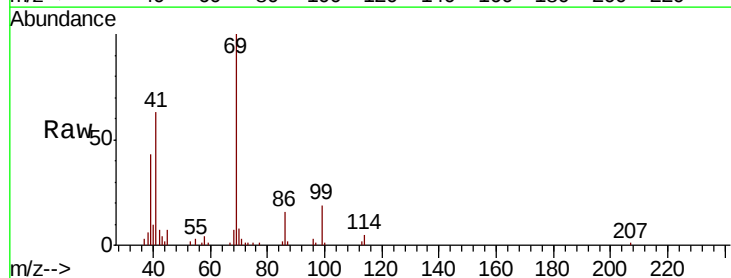


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

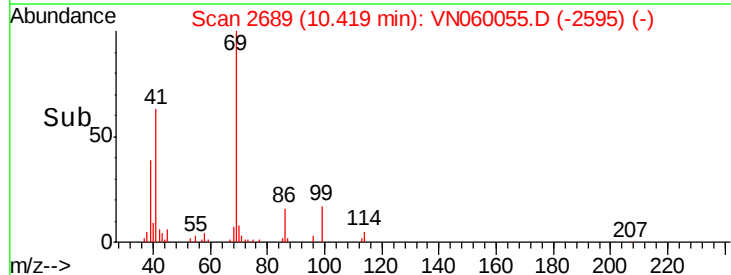
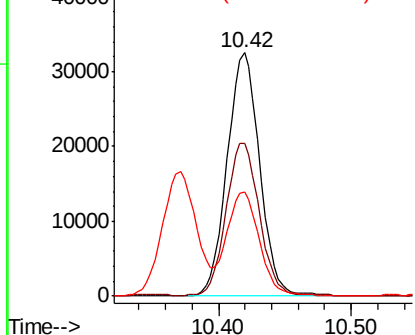


#56
 Ethyl methacrylate
 Concen: 20.089 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion:	69	Resp:	55641
Ion	Ratio	Lower	Upper
69	100		
41	64.6	57.1	85.7
39	42.5	34.7	52.1



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





#57

1,3-Dichloropropane

Concen: 22.436 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

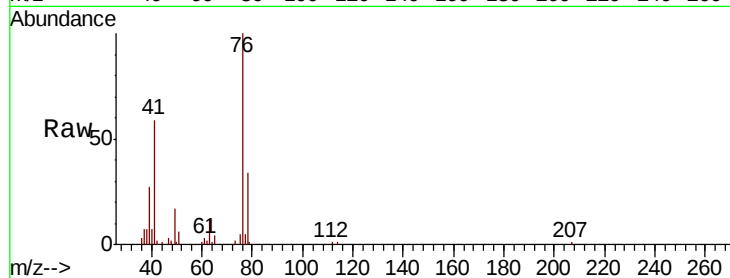
ClientSampled :

Tot Ion: 76 Resp: 64566

Ion Ratio Lower Upper

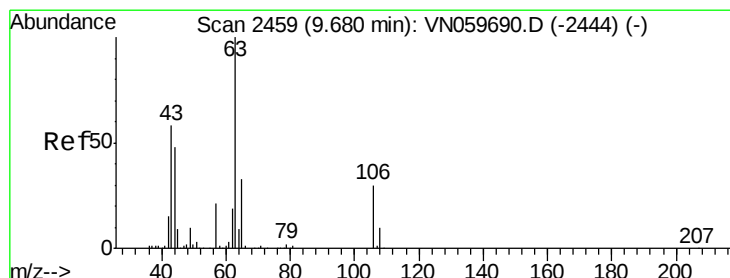
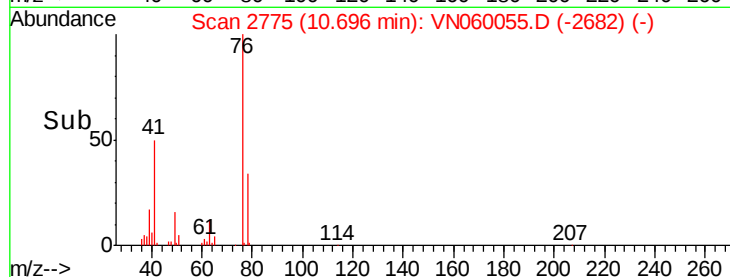
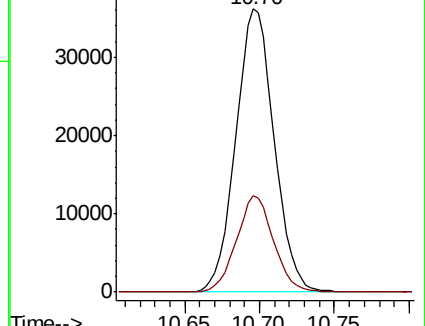
76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN060055.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060055.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 126.373 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060055.D

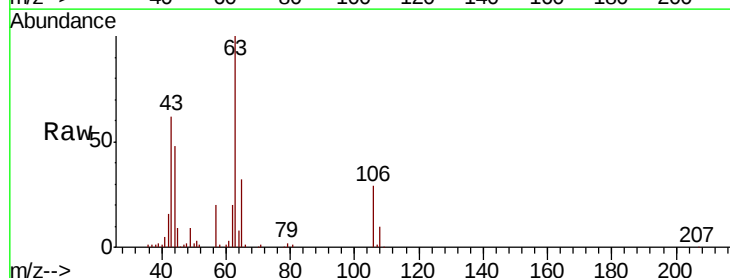
Acq: 11 Feb 2020 11:05

Tgt Ion: 63 Resp: 105425

Ion Ratio Lower Upper

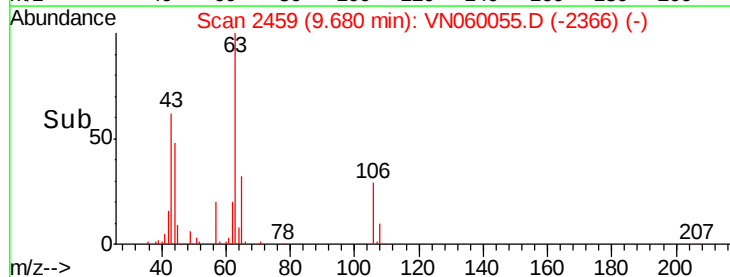
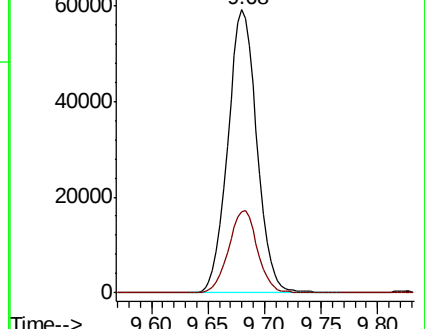
63 100

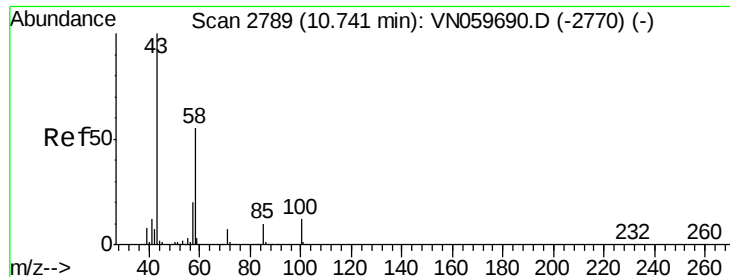
106 28.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN060055.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060055.D (-2366) (-)

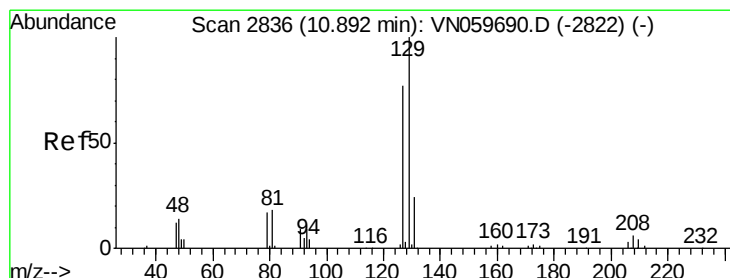
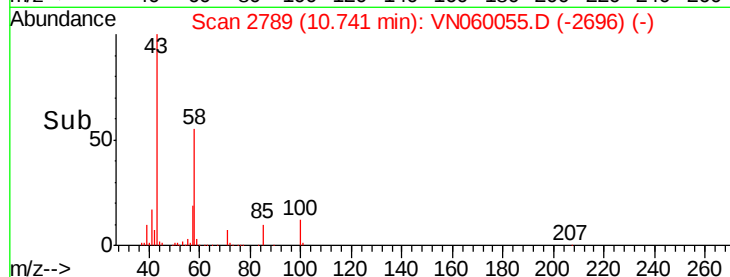
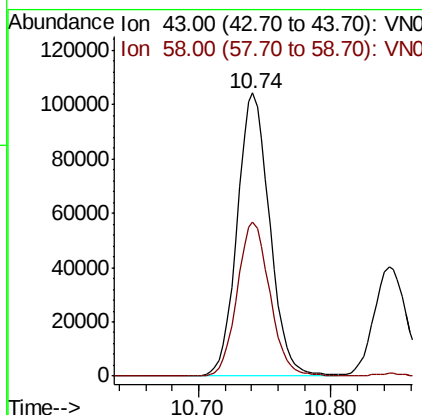
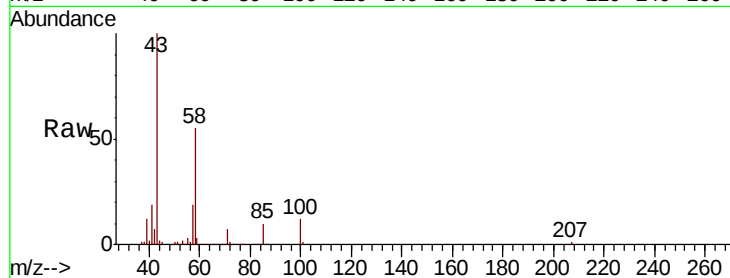




#59
2-Hexanone
Concen: 106.433 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

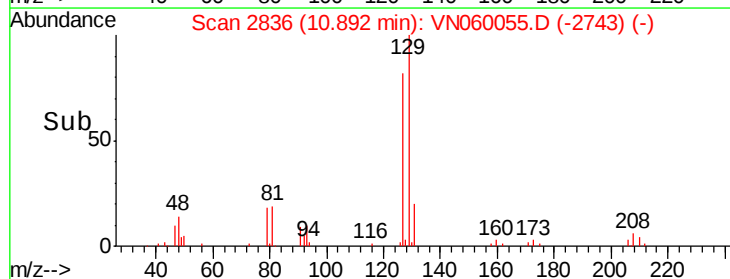
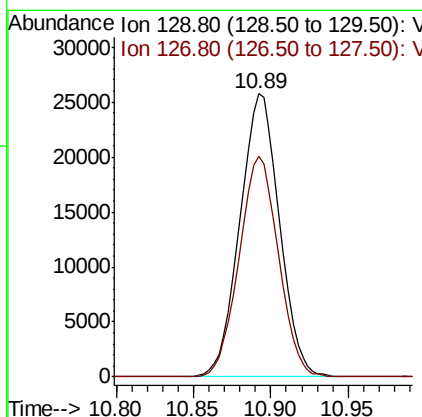
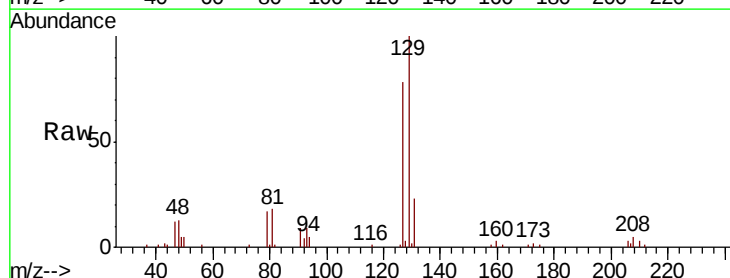
Instrument :
MSVOA_N
ClientSampled :

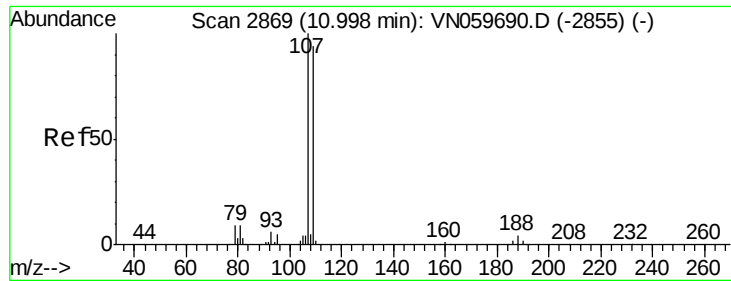
Tot Ion: 43 Resp: 177649
Ion Ratio Lower Upper
43 100
58 54.7 25.8 77.3



#60
Dibromochloromethane
Concen: 22.214 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 129 Resp: 45852
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5

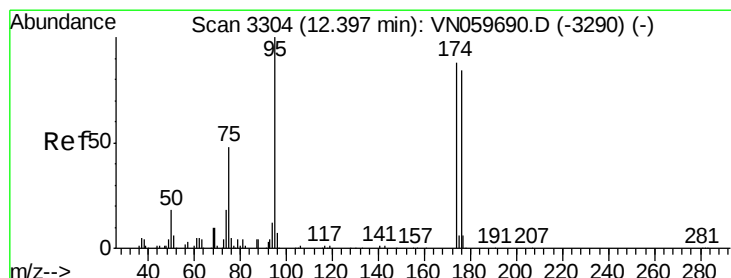
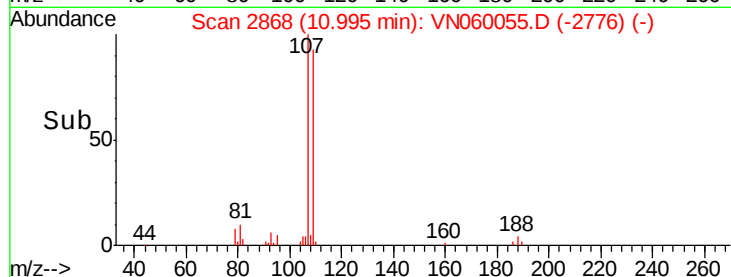
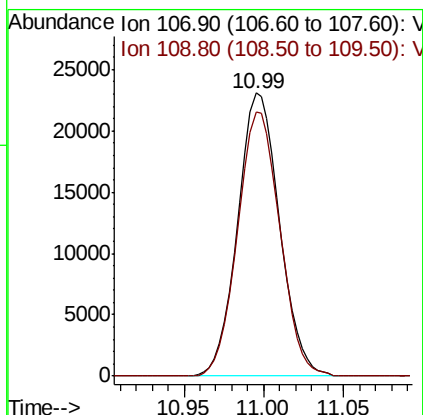
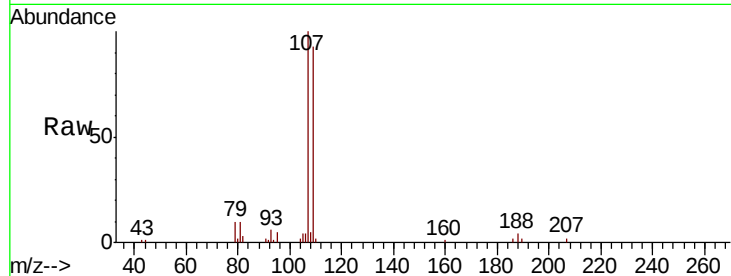




#61
 1,2-Dibromoethane
 Concen: 21.618 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

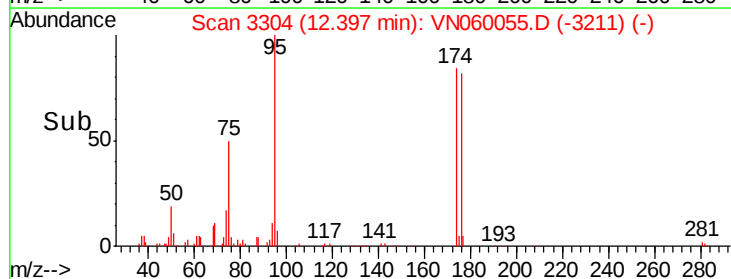
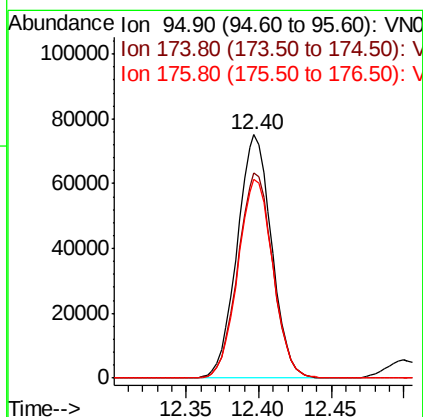
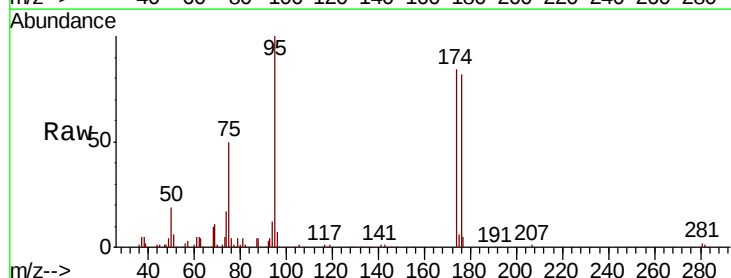
Instrument :
 MSVOA_N
 ClientSampled :

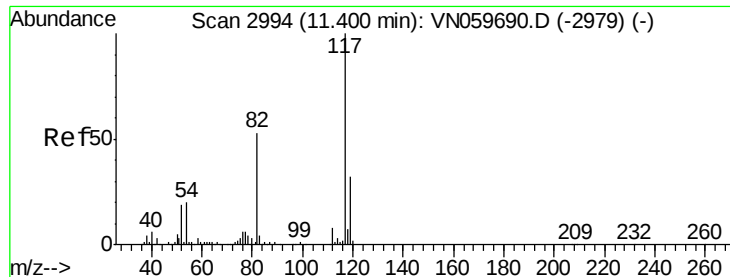
Tot Ion:107 Resp: 41070
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 53.327 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion: 95 Resp: 123920
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 151.4
 176 83.2 0.0 146.0

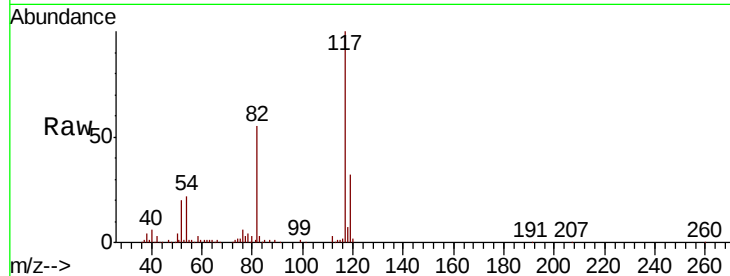




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.9	68.9
119	32.3	25.5	38.3

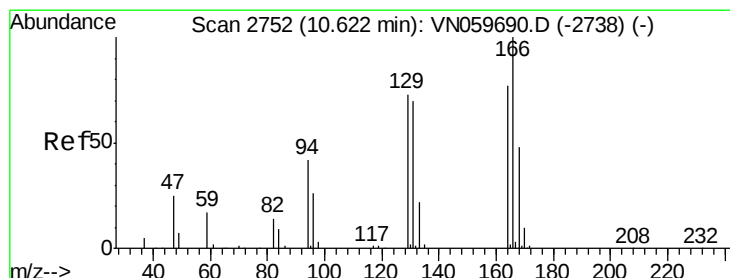
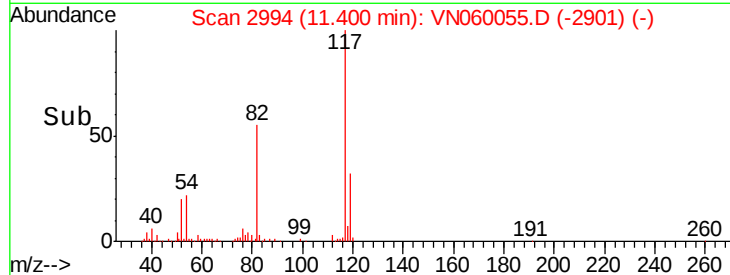
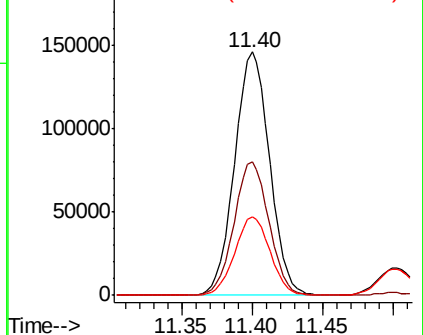


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.864 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	101.4	152.0
129	91.5	80.2	120.4
131	89.0	75.0	112.4

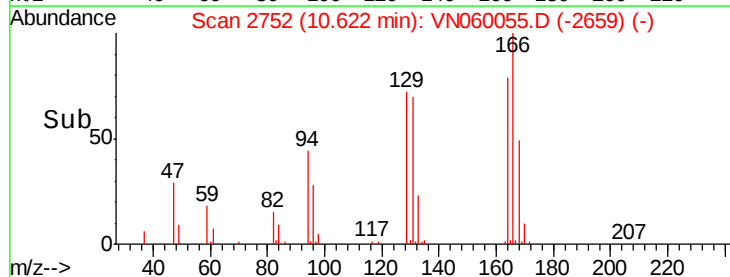
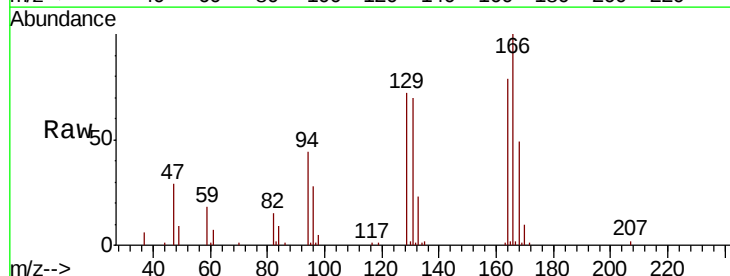
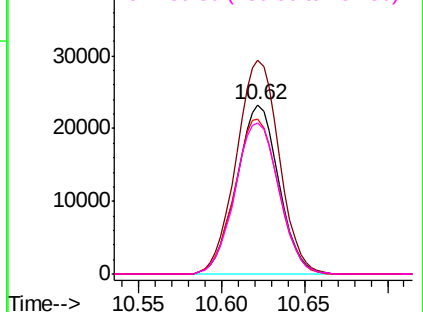
Abundance

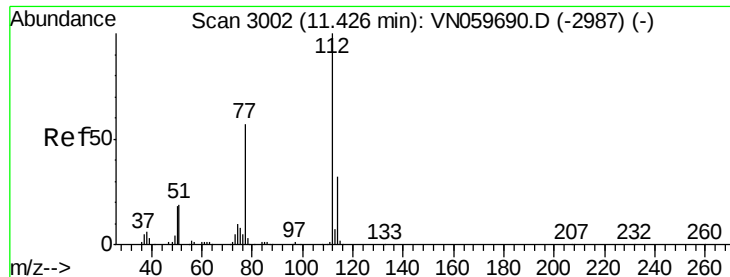
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

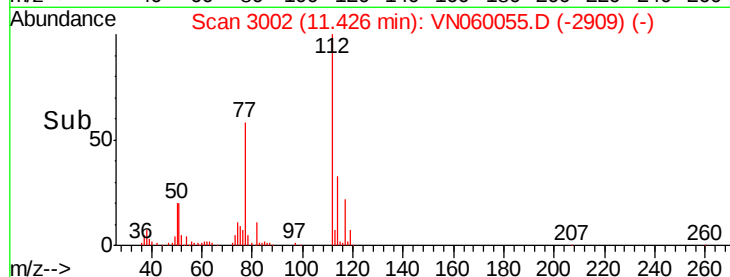
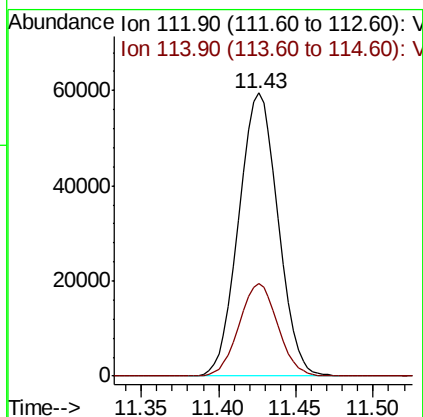
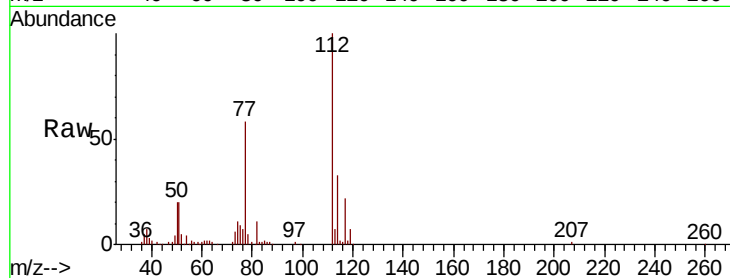




#65
Chlorobenzene
Concen: 21.070 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

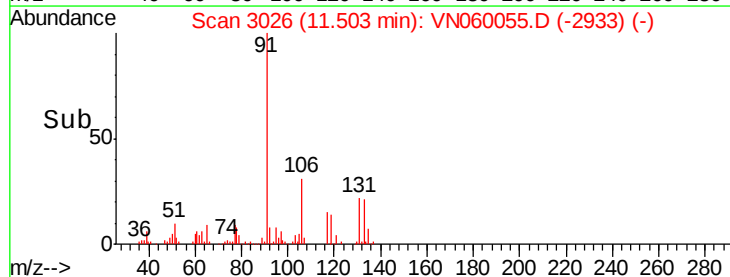
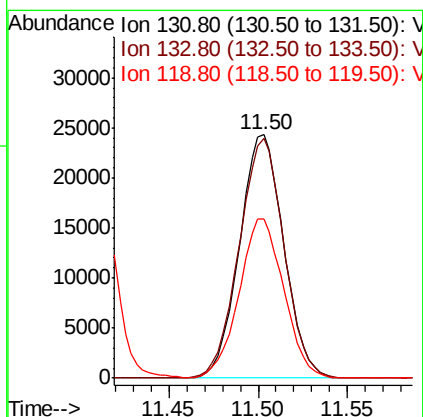
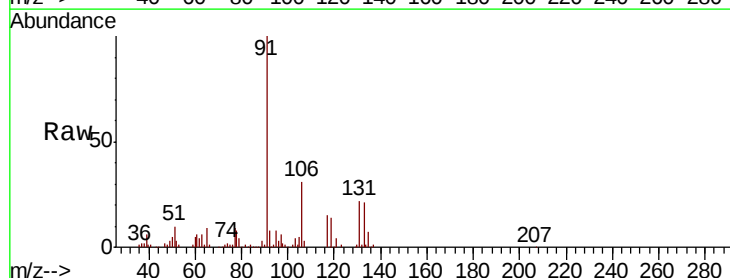
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 105411
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.819 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion:131 Resp: 42178
Ion Ratio Lower Upper
131 100
133 99.9 47.4 142.2
119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 20.652 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

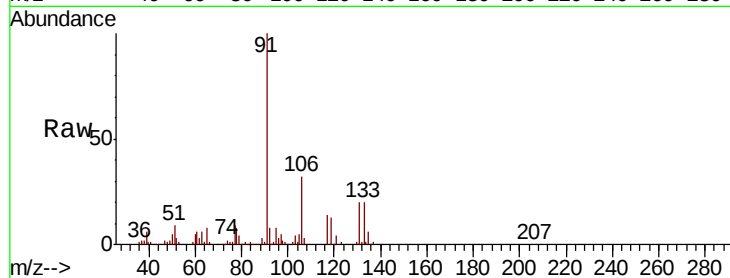
ClientSampled :

Tot Ion: 91 Resp: 187556

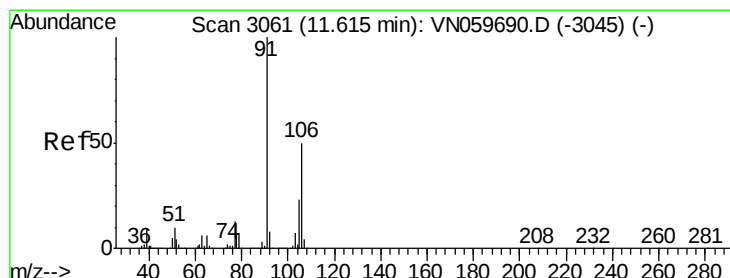
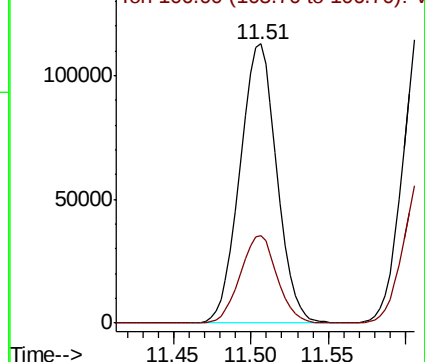
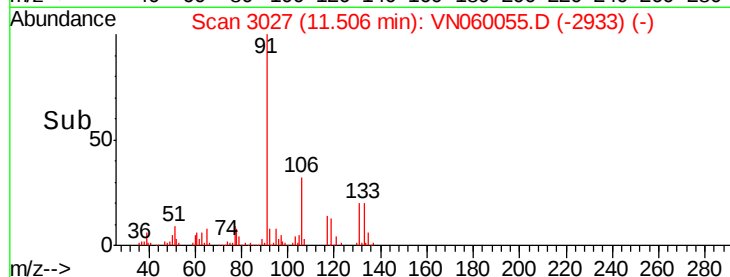
Ion Ratio Lower Upper

91 100

106 31.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN060055.D (-2933) (-)



#68

m/p-Xylenes

Concen: 40.776 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060055.D

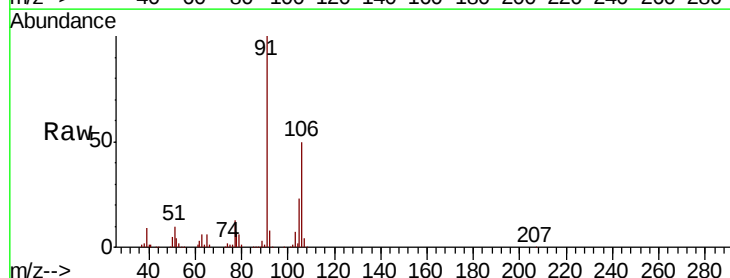
Acq: 11 Feb 2020 11:05

Tgt Ion: 106 Resp: 139882

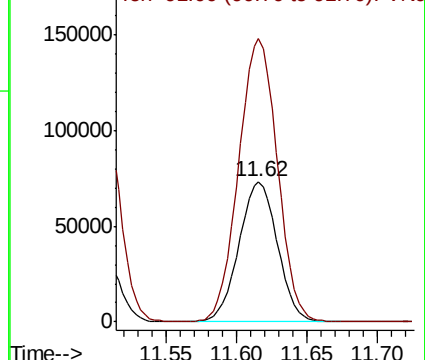
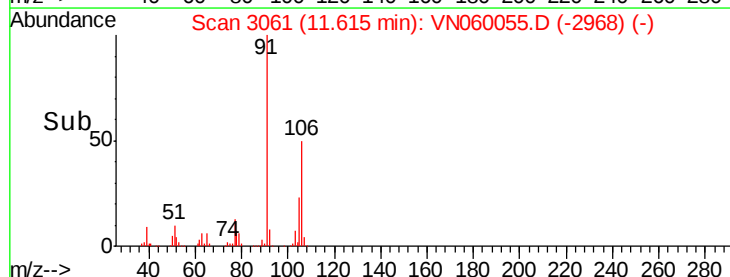
Ion Ratio Lower Upper

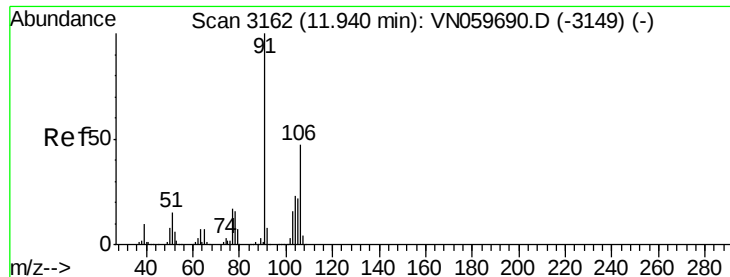
106 100

91 203.5 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN060055.D (-2968) (-)

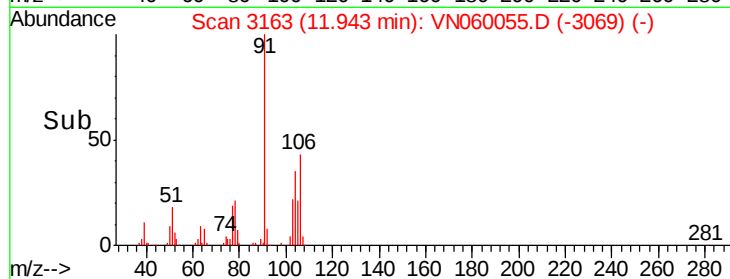
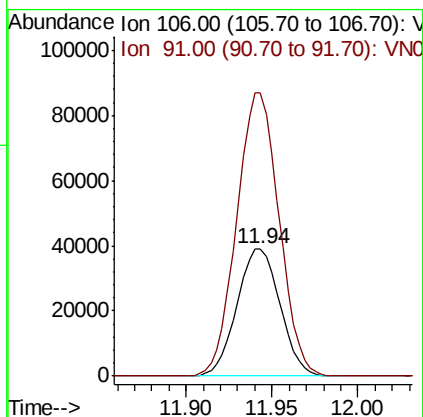
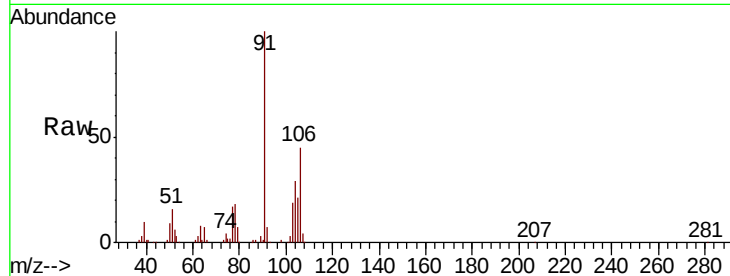




#69
o-Xylene
Concen: 20.165 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

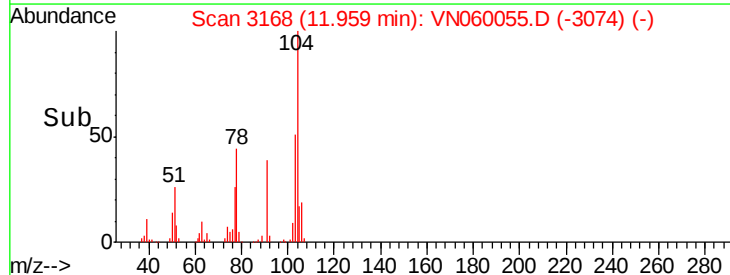
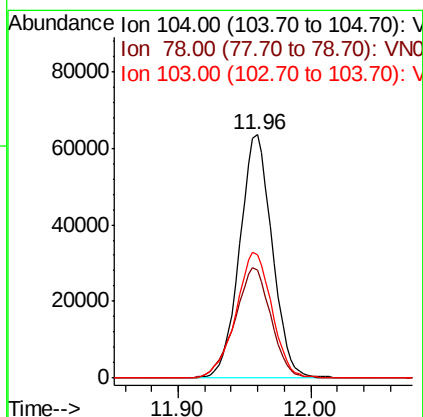
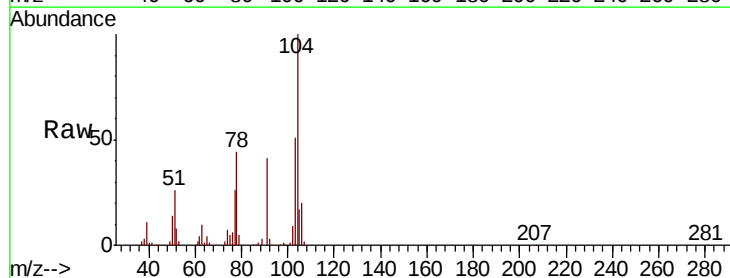
Instrument :
MSVOA_N
ClientSampled :

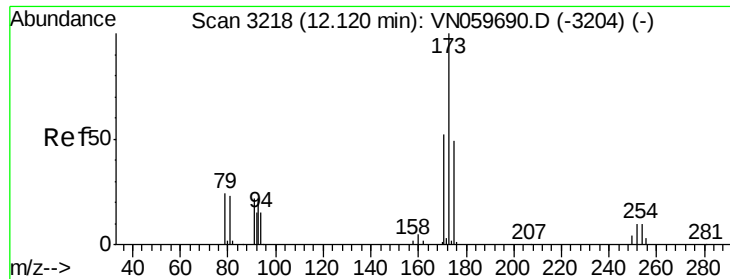
Tot Ion:106 Resp: 67725
Ion Ratio Lower Upper
106 100
91 219.9 110.3 330.9



#70
Styrene
Concen: 19.281 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion:104 Resp: 108356
Ion Ratio Lower Upper
104 100
78 50.4 42.4 63.6
103 56.9 43.9 65.9

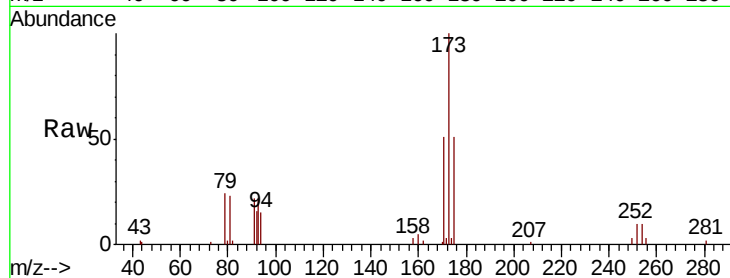




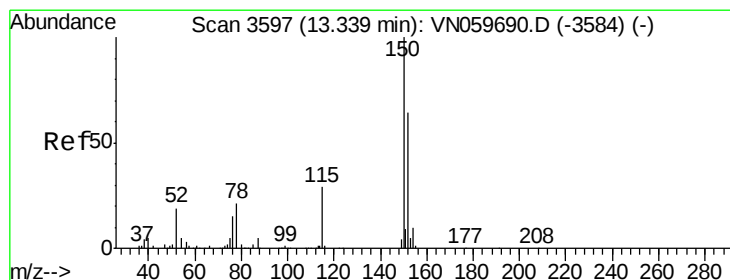
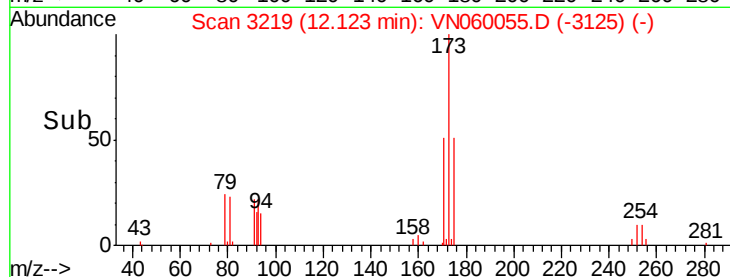
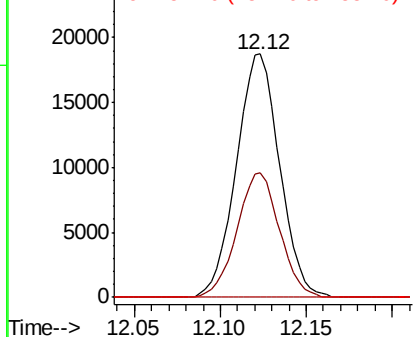
#71
Bromoform
Concen: 21.130 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 32719
Ion Ratio Lower Upper
173 100
175 50.3 23.8 71.4
254 0.0 0.0 0.0

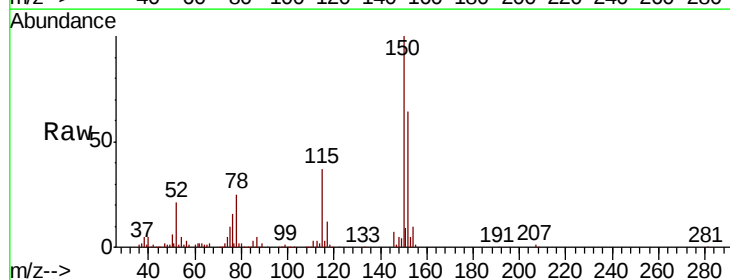


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

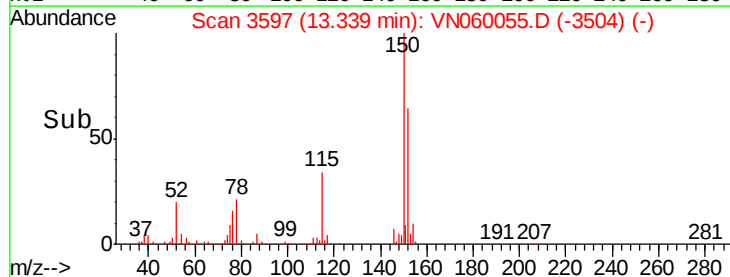
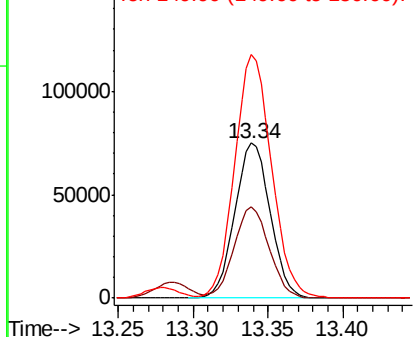


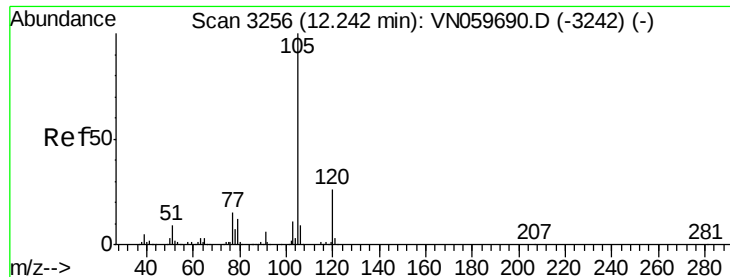
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion:152 Resp: 123392
Ion Ratio Lower Upper
152 100
115 58.8 30.3 90.9
150 163.3 0.0 345.2



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





#73

Isopropylbenzene

Concen: 20.927 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

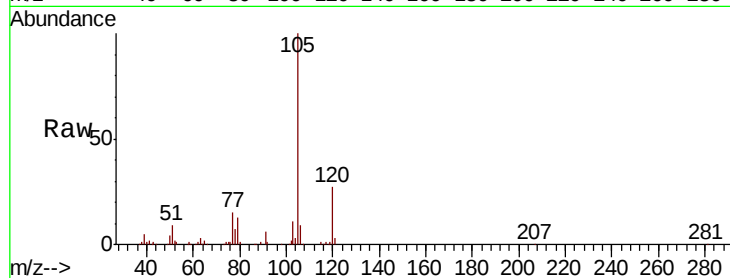
ClientSampled :

Tot Ion:105 Resp: 189382

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

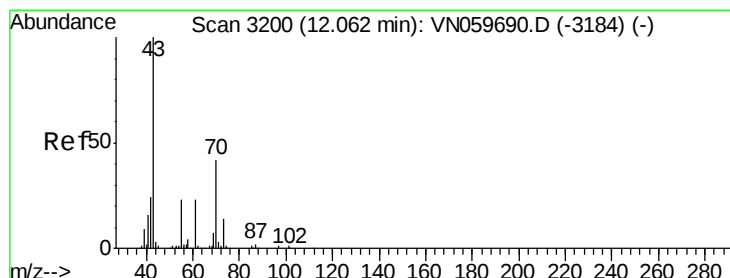
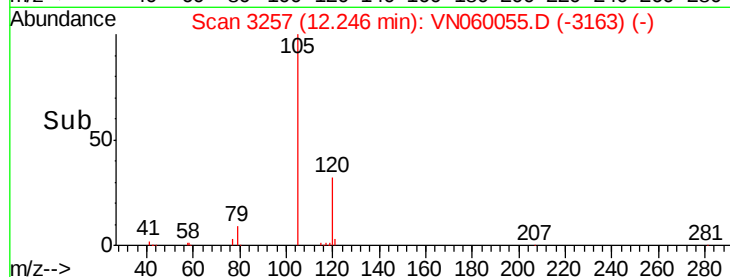
12.25

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.502 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Tgt Ion: 43 Resp: 68480

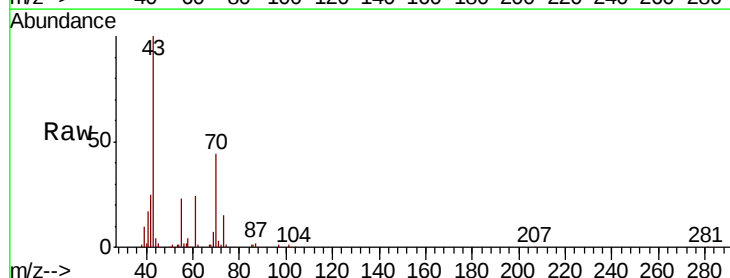
Ion Ratio Lower Upper

43 100

70 43.0 31.3 46.9

55 24.2 19.8 29.6

61 24.0 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

60000

50000

40000

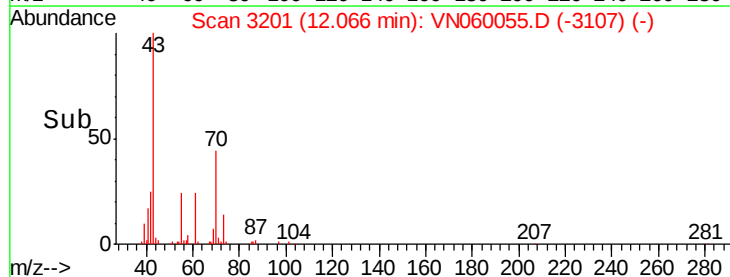
30000

20000

10000

0

Time--> 12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.537 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

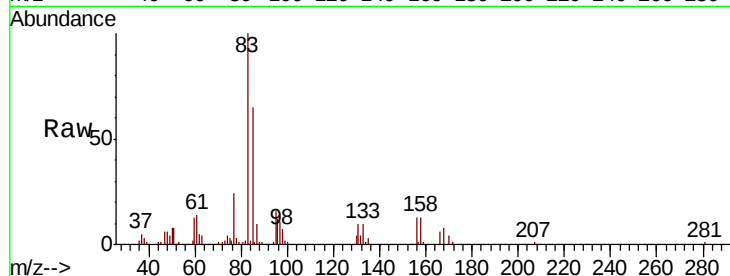
Tot Ion: 83 Resp: 56502

Ion Ratio Lower Upper

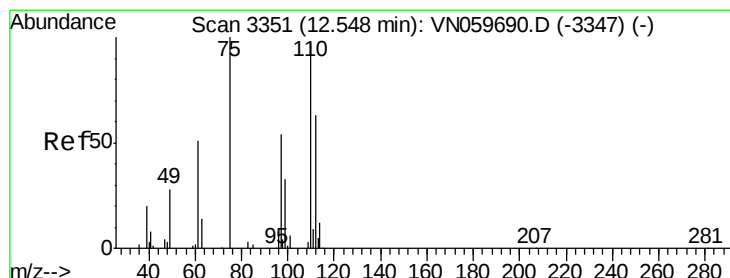
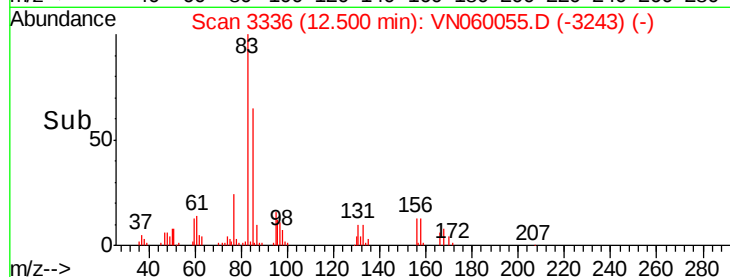
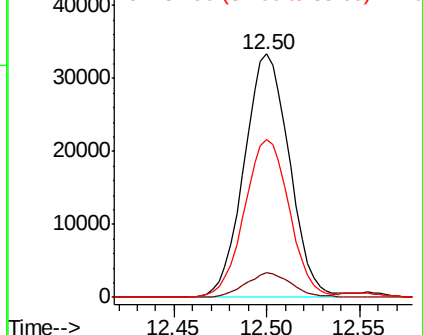
83 100

131 10.1 5.0 14.9

85 64.6 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 36.434 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060055.D

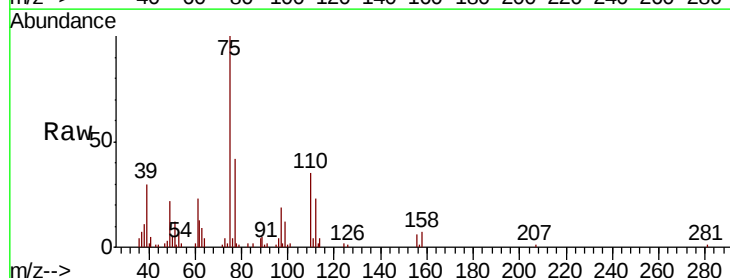
Acq: 11 Feb 2020 11:05

Tgt Ion: 75 Resp: 75658

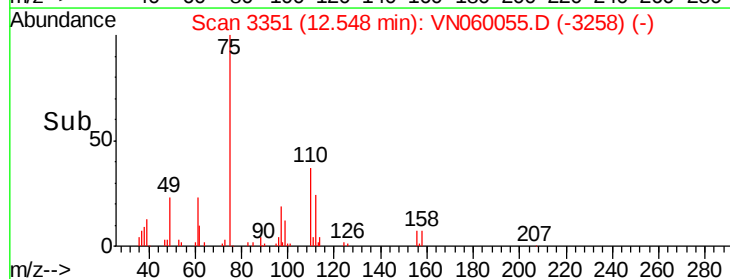
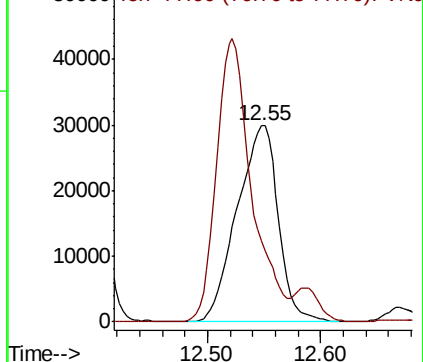
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 20.366 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampled :

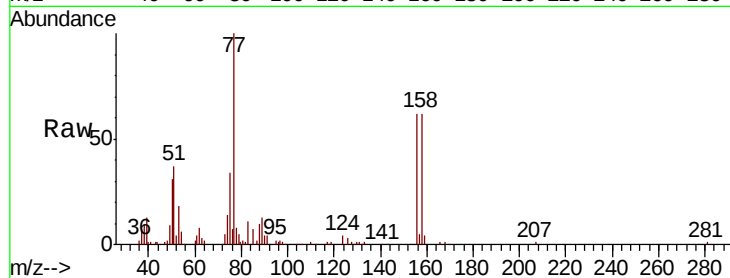
Tot Ion:156 Resp: 46672

Ion Ratio Lower Upper

156 100

77 198.8 115.8 347.4

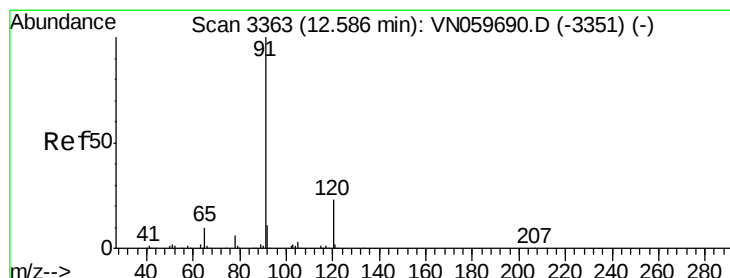
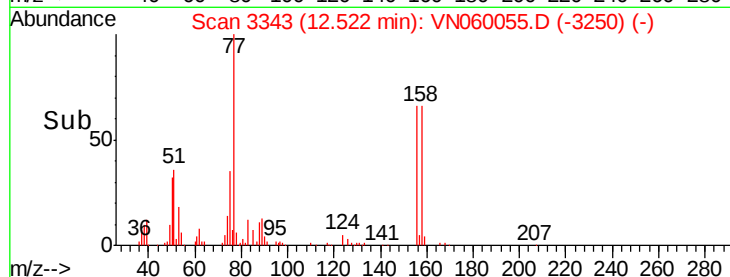
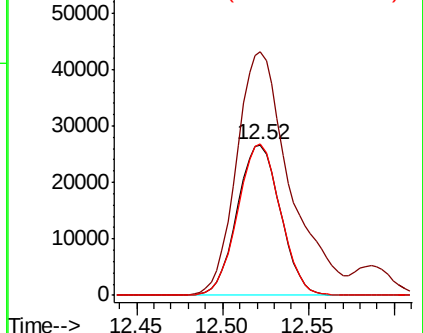
158 99.5 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.732 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060055.D

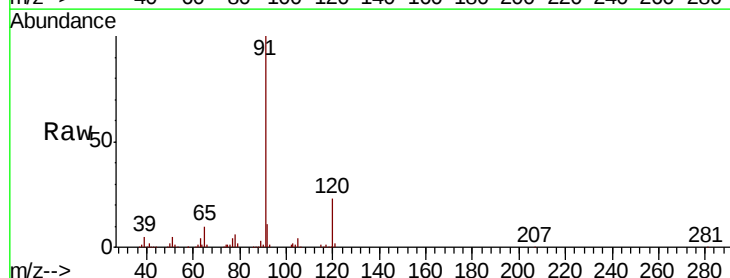
Acq: 11 Feb 2020 11:05

Tgt Ion: 91 Resp: 210577

Ion Ratio Lower Upper

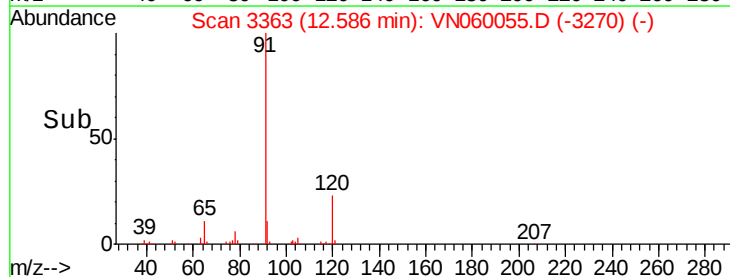
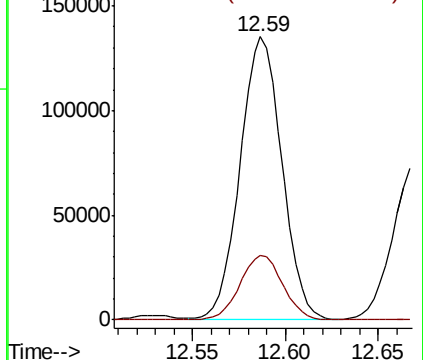
91 100

120 23.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.752 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

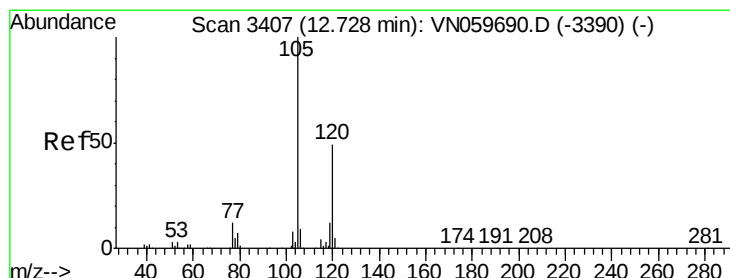
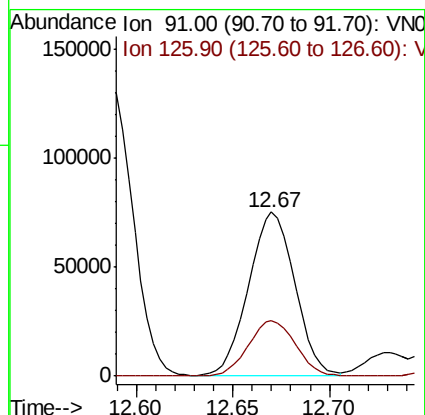
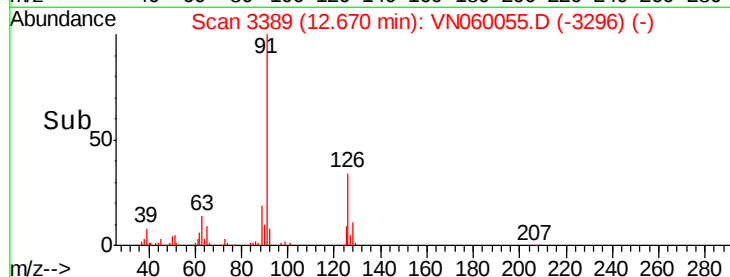
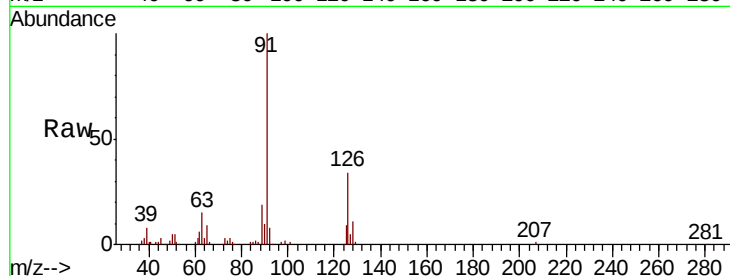
ClientSampleId :

Tot Ion: 91 Resp: 125394

Ion Ratio Lower Upper

91 100

126 34.6 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 20.744 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060055.D

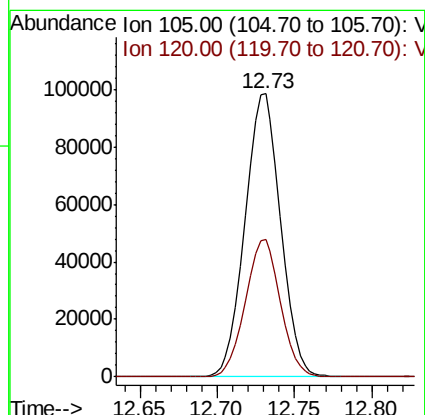
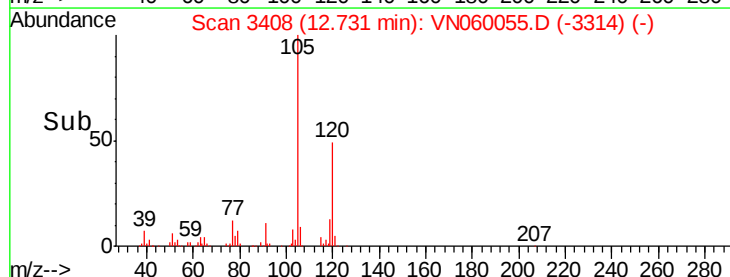
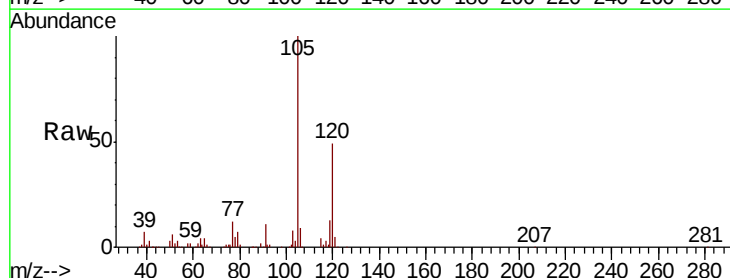
Acq: 11 Feb 2020 11:05

Tgt Ion: 105 Resp: 157874

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4

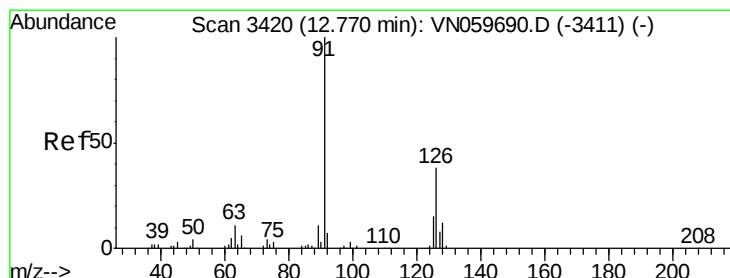
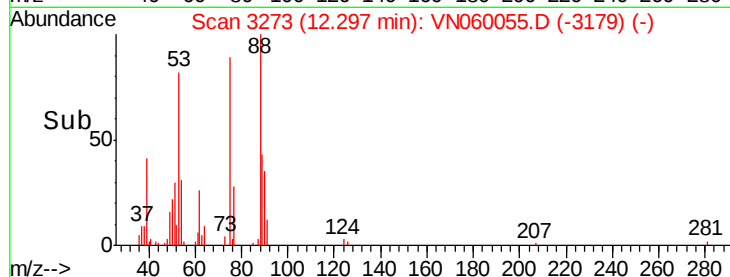
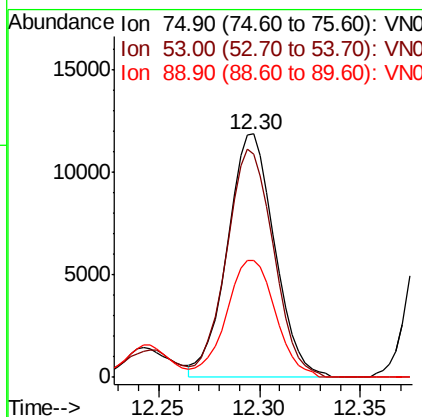
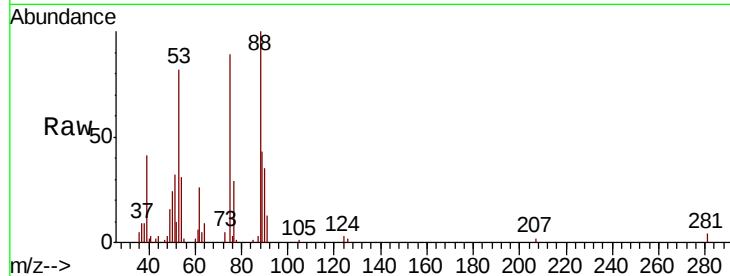




#81
trans-1,4-Dichloro-2-butene
Concen: 20.144 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

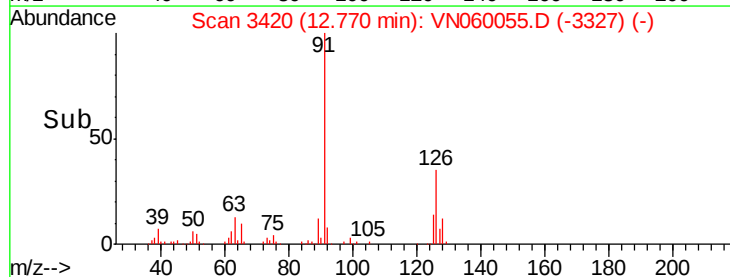
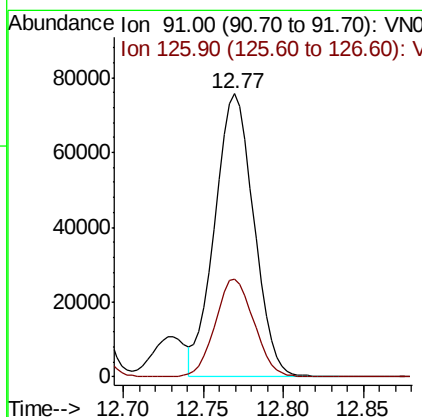
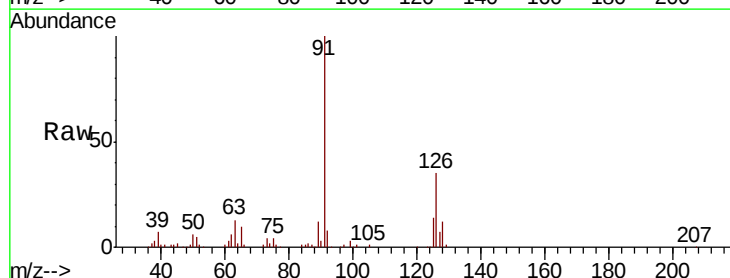
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 19479
Ion Ratio Lower Upper
75 100
53 93.3 78.1 117.1
89 49.8 35.4 53.2



#82
4-Chlorotoluene
Concen: 21.009 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060055.D
Acq: 11 Feb 2020 11:05

Tgt Ion: 91 Resp: 127330
Ion Ratio Lower Upper
91 100
126 34.1 16.3 48.8

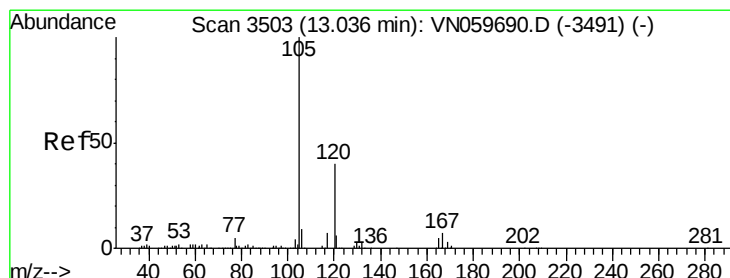
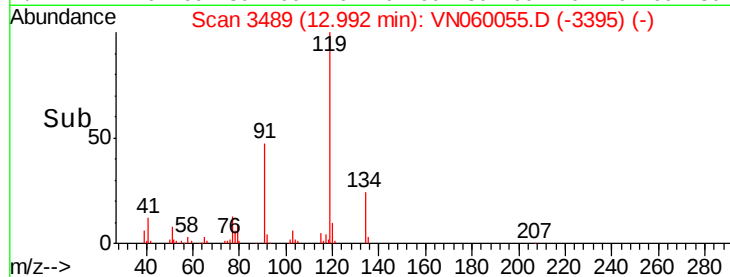
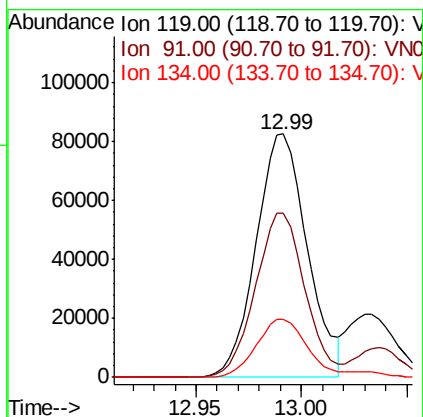
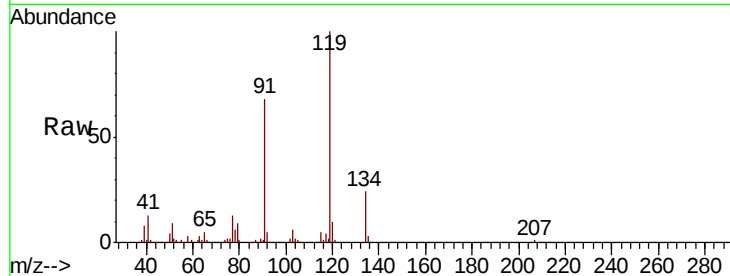




#83
 tert-Butylbenzene
 Concen: 21.222 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

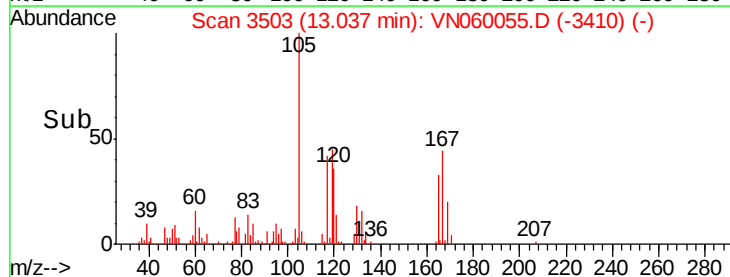
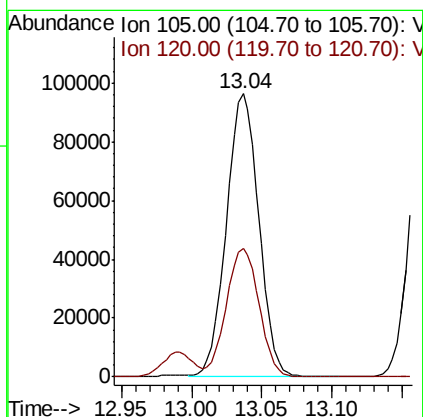
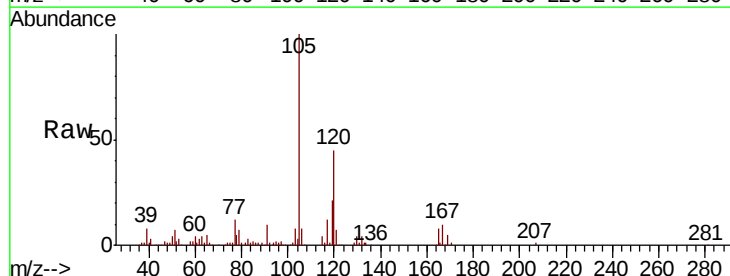
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 139687
 Ion Ratio Lower Upper
 119 100
 91 65.1 34.8 104.4
 134 25.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.586 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion:105 Resp: 154998
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.3 66.9





#85

sec-Butylbenzene

Concen: 21.300 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

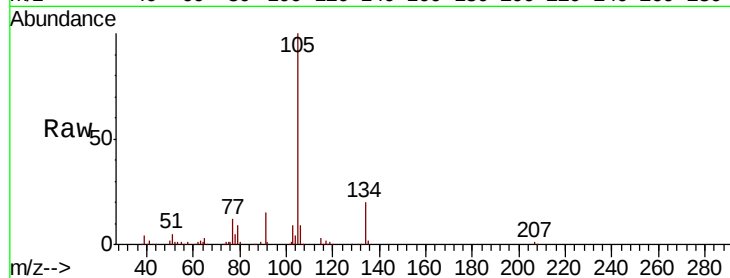
ClientSampled :

Tot Ion:105 Resp: 184204

Ion Ratio Lower Upper

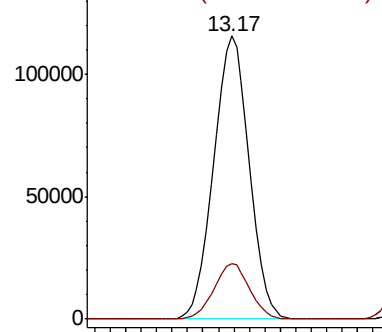
105 100

134 19.6 9.8 29.5

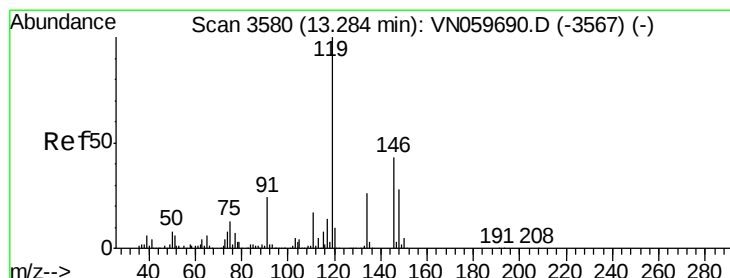
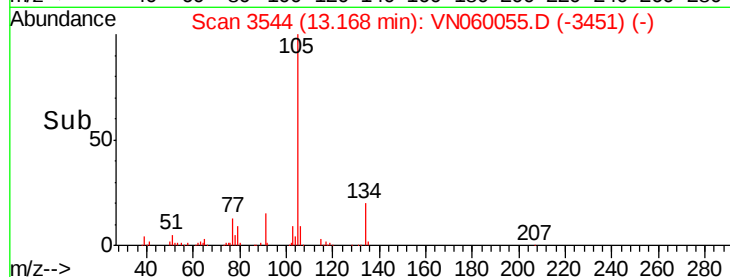


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 20.647 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

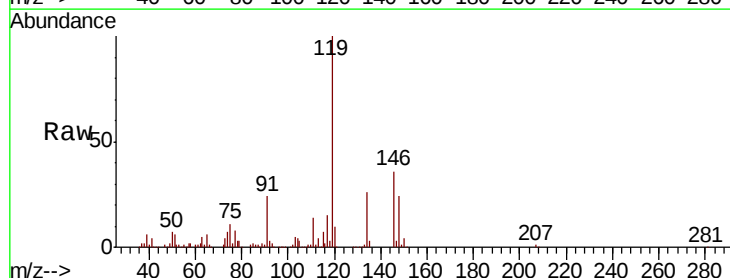
Tgt Ion:119 Resp: 165220

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

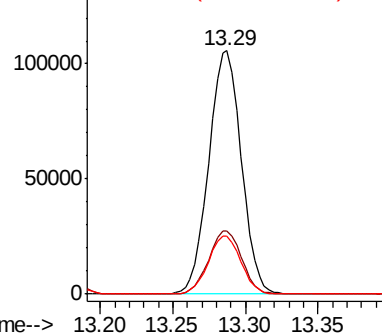
91 24.0 12.4 37.4



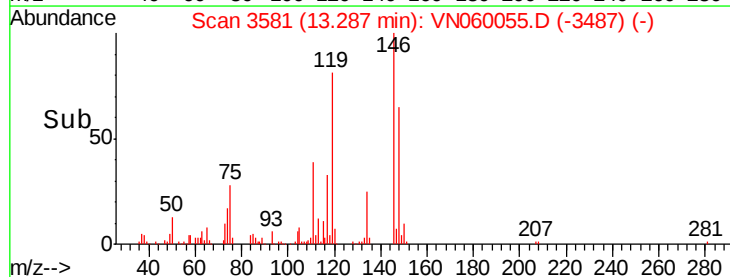
Abundance Ion 119.00 (118.70 to 119.70): V

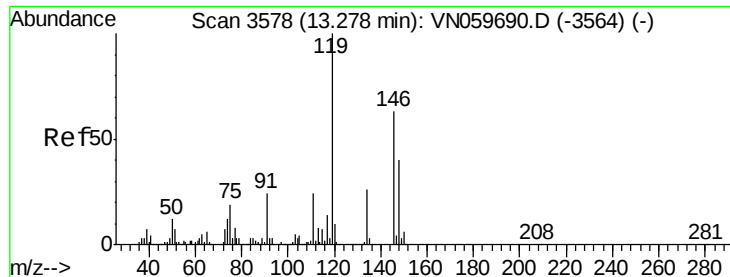
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 20.612 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

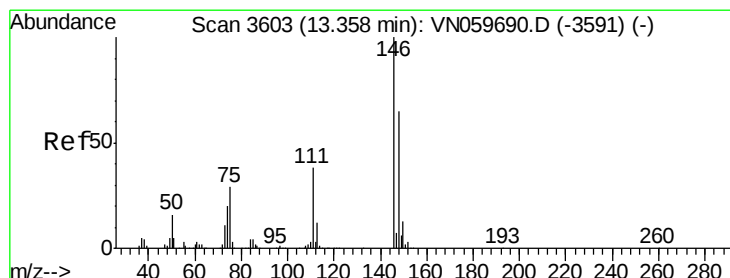
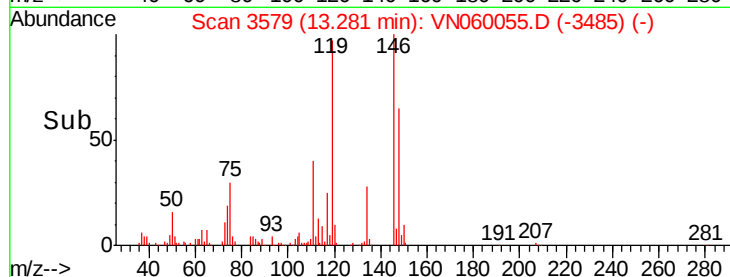
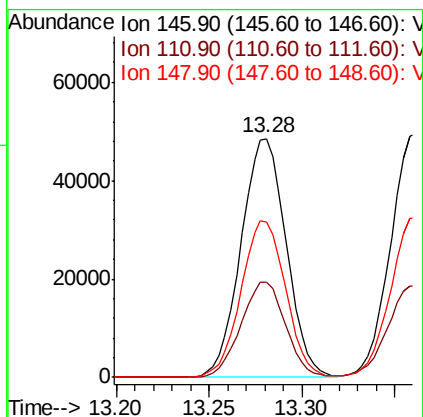
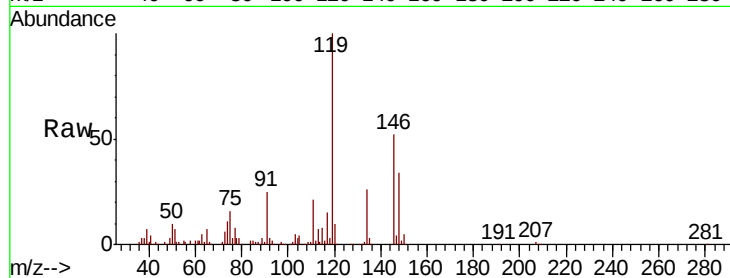
Tot Ion:146 Resp: 82050

Ion Ratio Lower Upper

146 100

111 39.5 20.8 62.2

148 64.8 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 20.648 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

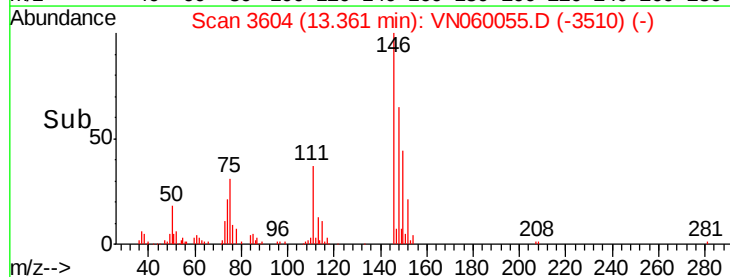
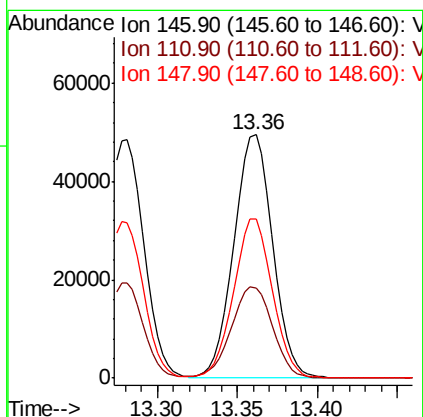
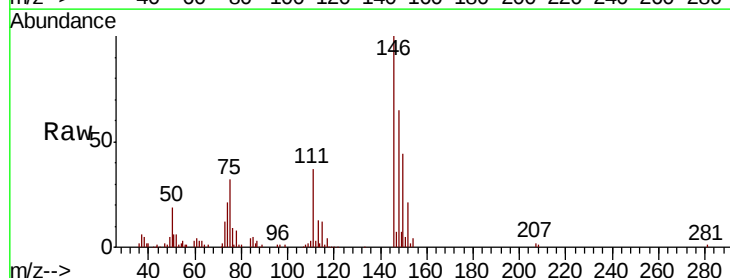
Tgt Ion:146 Resp: 81996

Ion Ratio Lower Upper

146 100

111 40.0 20.8 62.2

148 65.2 31.8 95.4





#89

n-Butylbenzene

Concen: 20.908 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Instrument :

MSVOA_N

ClientSampled :

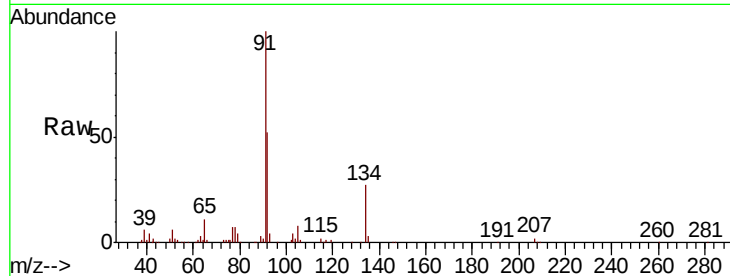
Tot Ion: 91 Resp: 142651

Ion Ratio Lower Upper

91 100

92 51.7 25.9 77.7

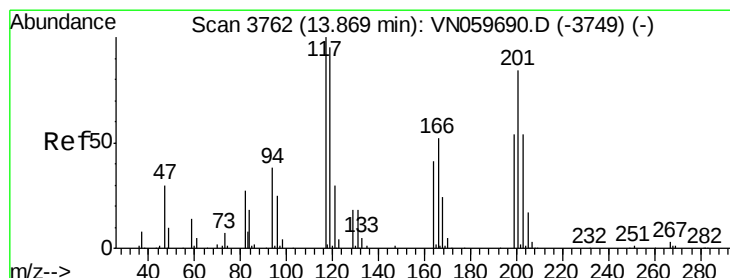
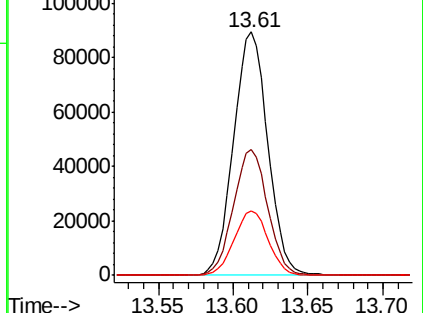
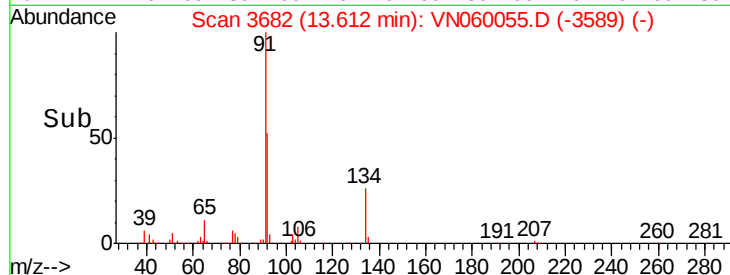
134 26.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN060055.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN060055.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN060055.D (-3669) (-)



#90

Hexachloroethane

Concen: 20.879 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060055.D

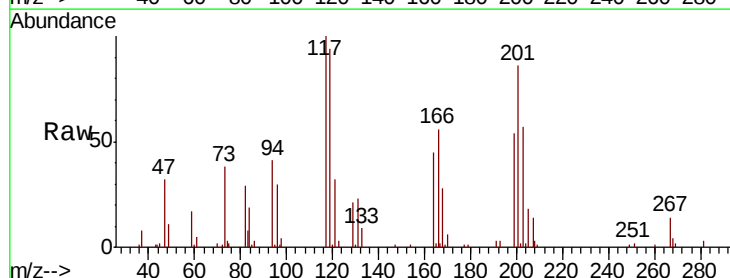
Acq: 11 Feb 2020 11:05

Tgt Ion: 117 Resp: 31260

Ion Ratio Lower Upper

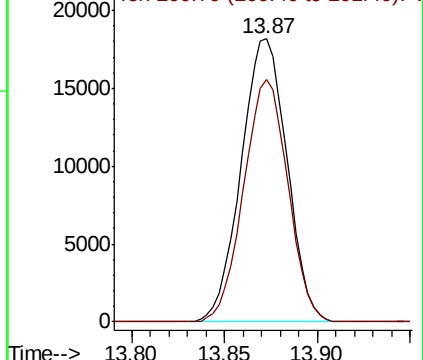
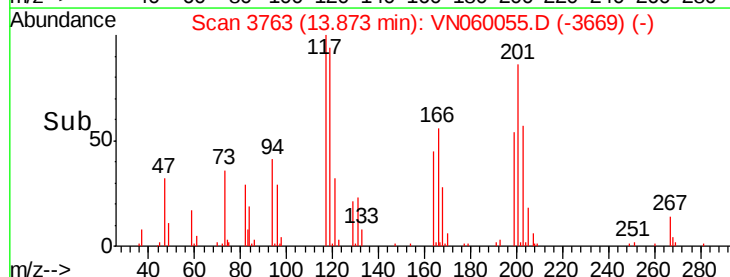
117 100

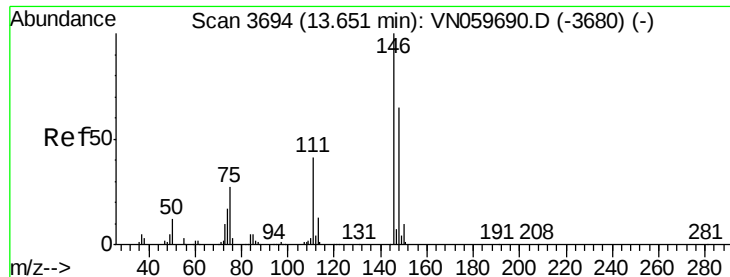
201 82.6 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN060055.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN060055.D (-3669) (-)

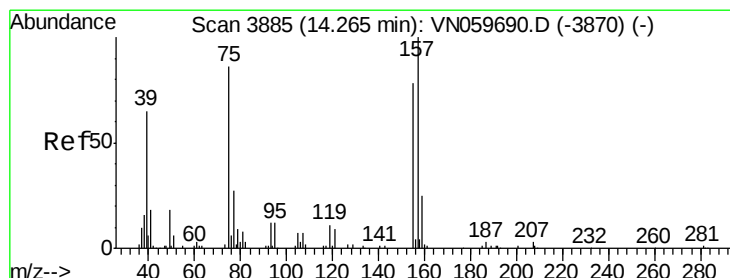
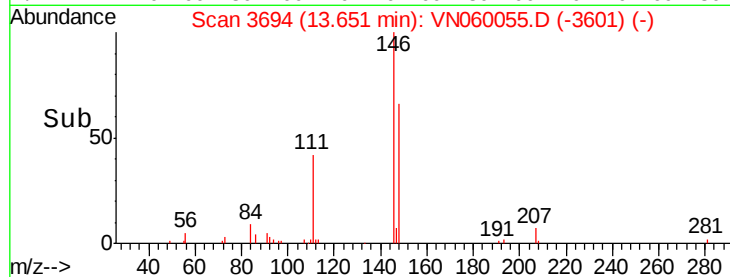
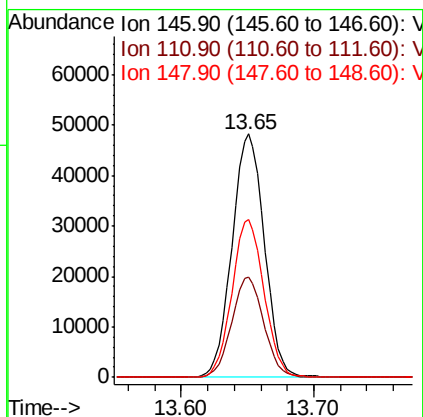
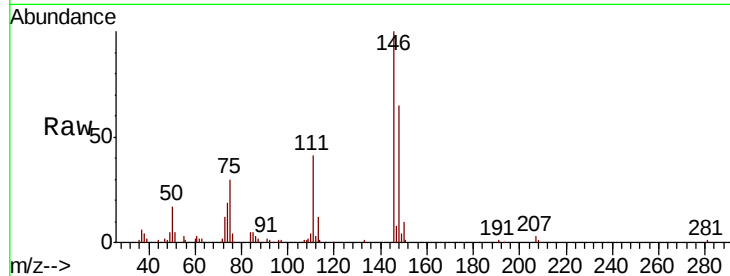




#91
 1,2-Dichlorobenzene
 Concen: 20.767 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

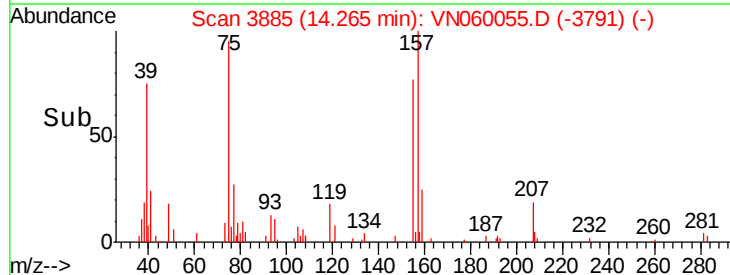
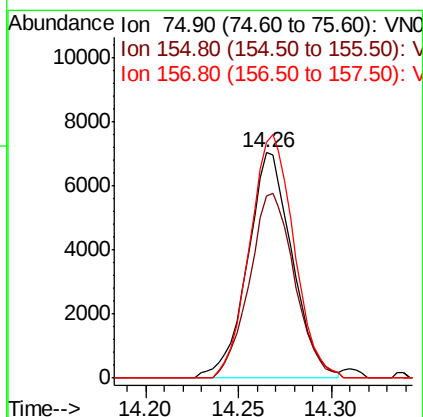
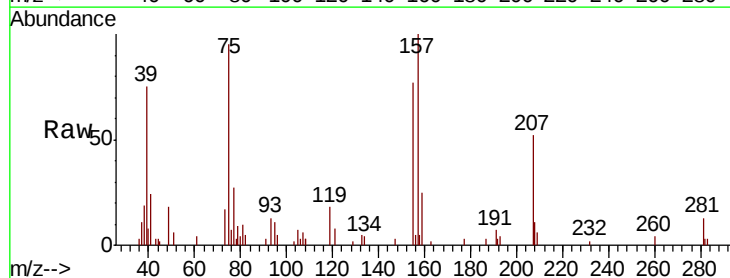
Instrument :
 MSVOA_N
 ClientSampleId :

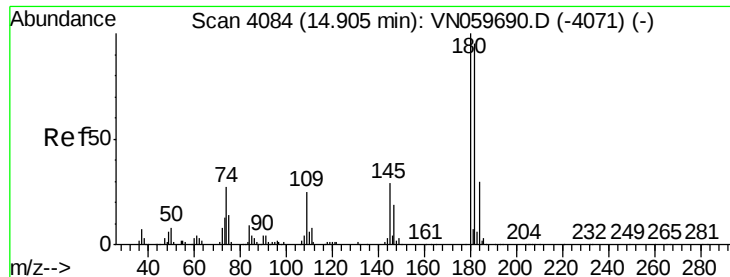
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.6	64.8
148	64.1	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.704 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	37.0	110.9
157	107.0	48.4	145.2

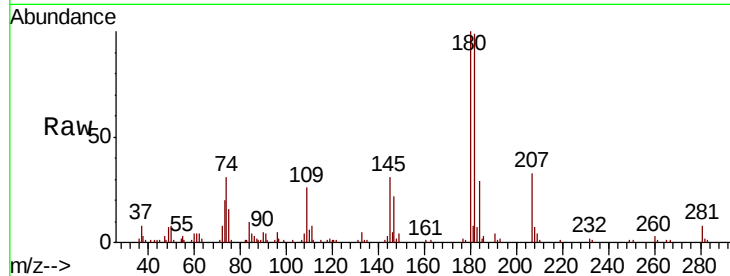




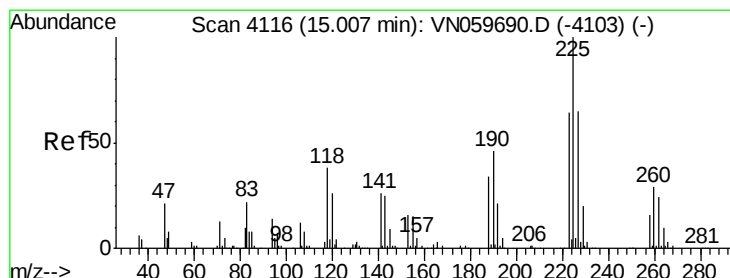
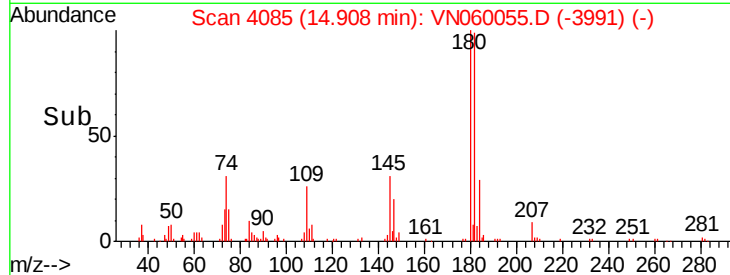
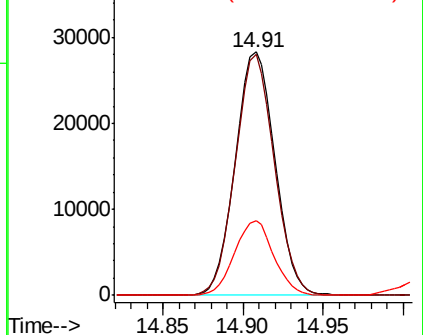
#93
 1,2,4-Trichlorobenzene
 Concen: 20.202 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 47773
 Ion Ratio Lower Upper
 180 100
 182 97.1 46.9 140.7
 145 30.3 15.0 45.1

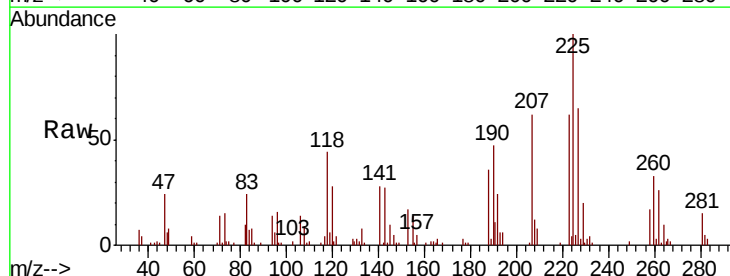


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

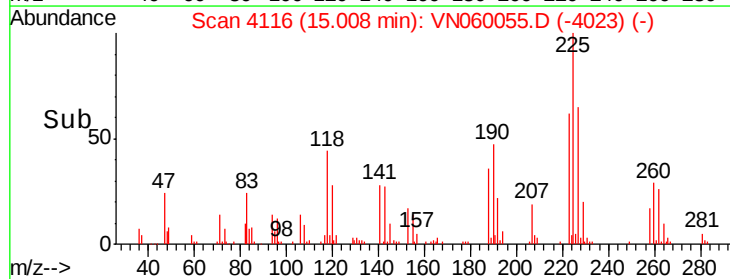
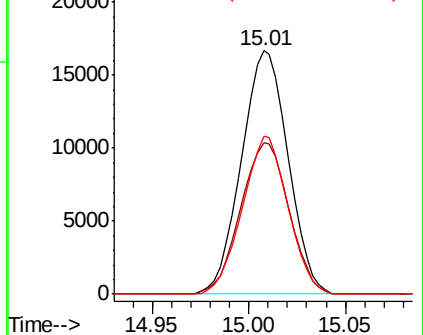


#94
 Hexachlorobutadiene
 Concen: 21.465 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060055.D
 Acq: 11 Feb 2020 11:05

Tgt Ion:225 Resp: 27971
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.8 95.3
 227 63.4 32.1 96.5



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: 19.190 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060055.D

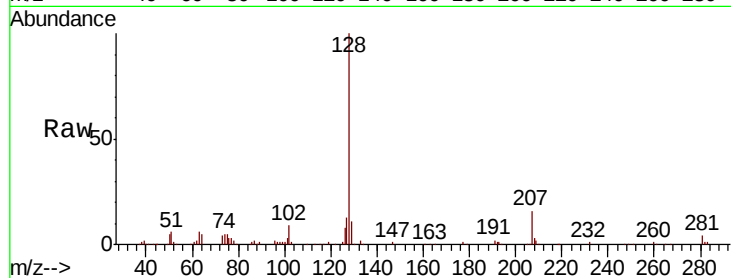
Acq: 11 Feb 2020 11:05

Instrument :

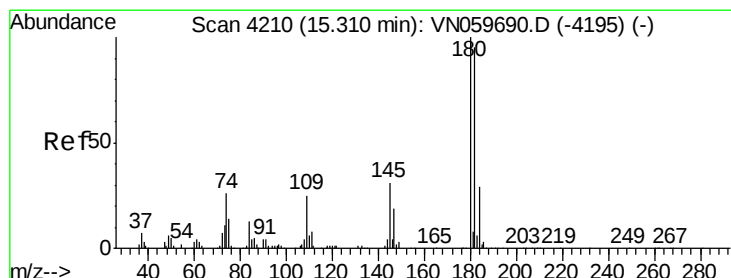
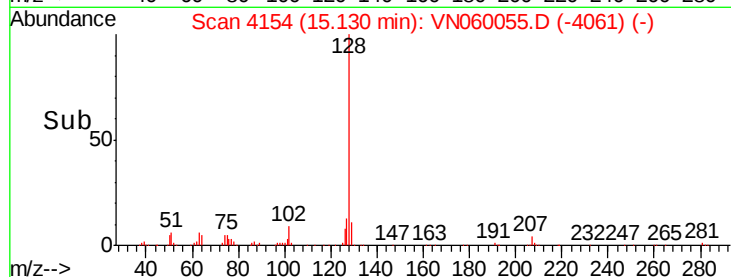
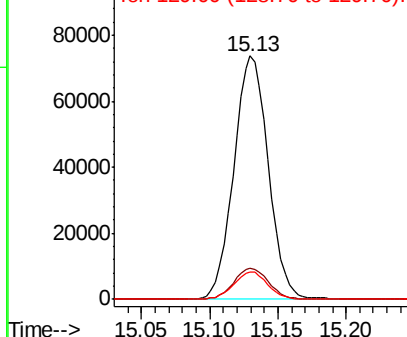
MSVOA_N

ClientSampleId :

Tot Ion:	128	Resp:	129077
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.1	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.805 ug/l

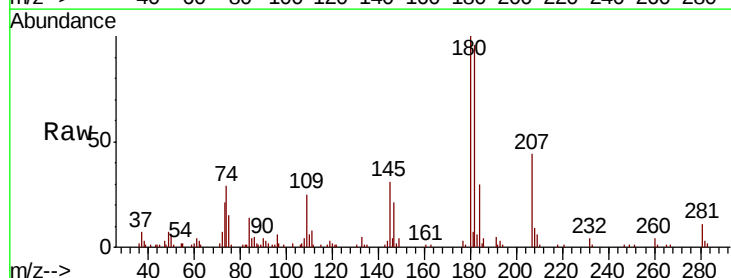
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060055.D

Acq: 11 Feb 2020 11:05

Tgt Ion:	180	Resp:	47887
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	32.0	16.3	48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

