

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060102.D
 Acq On : 14 Feb 2020 11:39
 Operator : JC/MD
 Sample : VN0214WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 02:42:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	179113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	288164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117644	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.57	113	91255	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	10.08	98	353563	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	128648	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	37826	21.128	ug/l 98
3) Chloromethane	2.04	50	45240	21.234	ug/l 100
4) Vinyl Chloride	2.17	62	50525	20.805	ug/l 99
5) Bromomethane	2.55	94	29896	20.077	ug/l 99
6) Chloroethane	2.69	64	25480	20.744	ug/l 98
7) Trichlorofluoromethane	3.00	101	60909	19.453	ug/l 98
8) Diethyl Ether	3.38	74	22842	21.916	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35081	20.181	ug/l 97
10) Methyl Iodide	3.93	142	46031	21.212	ug/l 99
11) Tert butyl alcohol	4.73	59	35814	109.808	ug/l 98
12) 1,1-Dichloroethene	3.72	96	34169	20.177	ug/l 98
13) Acrolein	3.58	56	23951	74.294	ug/l 94
14) Allyl chloride	4.30	41	58403	23.432	ug/l 88
15) Acrylonitrile	4.94	53	91315	114.645	ug/l 98
16) Acetone	3.78	43	93526	98.377	ug/l 97
17) Carbon Disulfide	4.03	76	101647	19.914	ug/l 100
18) Methyl Acetate	4.29	43	42820	23.977	ug/l 96
19) Methyl tert-butyl Ether	5.00	73	120856	21.222	ug/l 99
20) Methylene Chloride	4.52	84	39495	20.823	ug/l 93
21) trans-1,2-Dichloroethene	5.01	96	36699	19.880	ug/l 97
22) Diisopropyl ether	5.91	45	121504	22.243	ug/l 98
23) Vinyl Acetate	5.86	43	507384	110.607	ug/l 97
24) 1,1-Dichloroethane	5.82	63	69832	21.103	ug/l 98
25) 2-Butanone	6.80	43	128990	107.882	ug/l 98
26) 2,2-Dichloropropane	6.80	77	62282	19.816	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	43497	20.134	ug/l 97
28) Bromochloromethane	7.17	49	27524	21.157	ug/l 94
29) Tetrahydrofuran	7.18	42	81746	111.445	ug/l 96
30) Chloroform	7.35	83	71711	20.687	ug/l 99
31) Cyclohexane	7.63	56	64383	20.886	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	62818	19.831	ug/l 99
36) 1,1-Dichloropropene	7.77	75	53245	19.949	ug/l 98
37) Ethyl Acetate	6.90	43	51560	21.374	ug/l 99
38) Carbon Tetrachloride	7.75	117	54773	18.895	ug/l 96

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Instrument :
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 ClientSampleId :

Quant Time: Feb 15 02:42:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64735	19.538	ug/l	98
40) Benzene	8.02	78	158601	20.032	ug/l	100
41) Methacrylonitrile	7.18	41	76077	75.203	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58545	21.097	ug/l	98
43) Isopropyl Acetate	8.14	43	89819	21.782	ug/l	97
44) Trichloroethene	8.82	130	41685	19.014	ug/l	94
45) 1,2-Dichloropropane	9.10	63	41954	21.403	ug/l	97
46) Dibromomethane	9.19	93	28871	20.842	ug/l	97
47) Bromodichloromethane	9.39	83	57669	20.477	ug/l	98
48) Methyl methacrylate	9.18	41	38678	20.906	ug/l	98
49) 1,4-Dioxane	9.18	88	14418	456.112	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	259088	108.551	ug/l	98
52) Toluene	10.14	92	99598	19.617	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	63574	19.999	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	66962	20.004	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39726	20.056	ug/l	96
56) Ethyl methacrylate	10.42	69	57592	20.554	ug/l	95
57) 1,3-Dichloropropane	10.70	76	67041	20.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	142251	108.973	ug/l	98
59) 2-Hexanone	10.74	43	194240	105.352	ug/l	98
60) Dibromochloromethane	10.89	129	43168	18.992	ug/l	95
61) 1,2-Dibromoethane	10.99	107	41408	19.942	ug/l	99
64) Tetrachloroethene	10.62	164	37709	18.225	ug/l	99
65) Chlorobenzene	11.43	112	106598	19.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	39993	19.065	ug/l	98
67) Ethyl Benzene	11.50	91	192184	19.216	ug/l	100
68) m/p-Xylenes	11.62	106	143673	38.275	ug/l	99
69) o-Xylene	11.94	106	70106	19.398	ug/l	99
70) Styrene	11.96	104	110627	18.982	ug/l	99
71) Bromoform	12.12	173	32195	19.081	ug/l #	97
73) Isopropylbenzene	12.25	105	186477	19.457	ug/l	100
74) N-amyl acetate	12.07	43	74369	21.519	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	57778	20.945	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	76319	31.081	ug/l #	100
77) Bromobenzene	12.52	156	46091	19.379	ug/l	94
78) n-propylbenzene	12.59	91	213730	19.574	ug/l	100
79) 2-Chlorotoluene	12.67	91	125747	19.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	157649	19.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20413	20.355	ug/l	98
82) 4-Chlorotoluene	12.77	91	130346	19.795	ug/l	98
83) tert-Butylbenzene	12.99	119	133224	18.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	156484	19.894	ug/l	100
85) sec-Butylbenzene	13.17	105	179429	19.220	ug/l	99
86) p-Isopropyltoluene	13.28	119	162710	19.236	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81107	19.265	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81780	19.428	ug/l	99
89) n-Butylbenzene	13.61	91	143603	19.302	ug/l	99
90) Hexachloroethane	13.87	117	29865	18.900	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	78899	19.149	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12226	20.387	ug/l	92

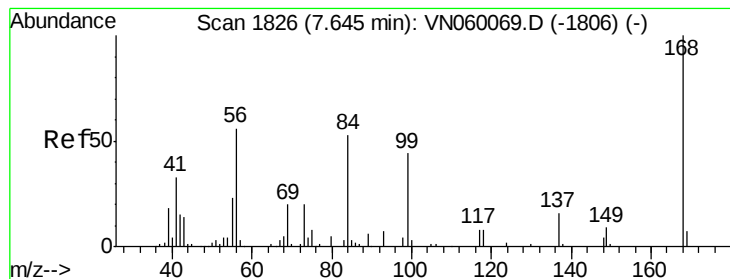
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
Data File : VN060102.D
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47895	19.784	ug/l	99
94) Hexachlorobutadiene	15.01	225	26115	18.426	ug/l	99
95) Naphthalene	15.13	128	132554	20.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47972	19.898	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

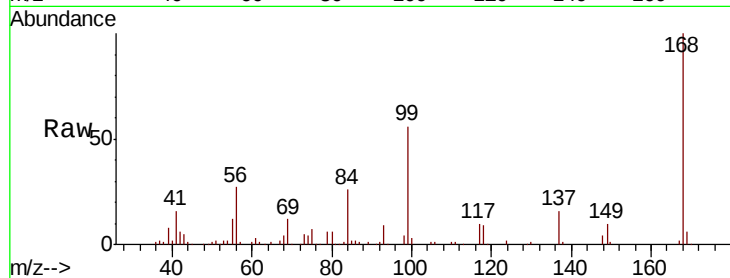
ClientSampleId :

Tot Ion:168 Resp: 179113

Ion Ratio Lower Upper

168 100

99 55.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

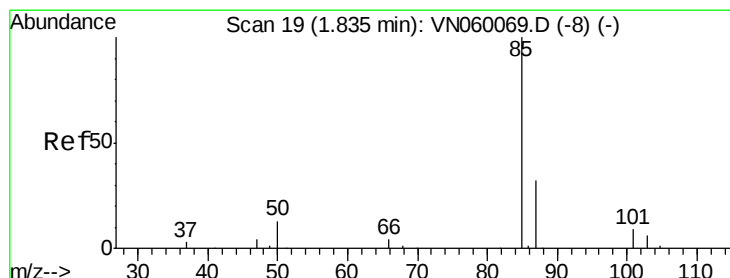
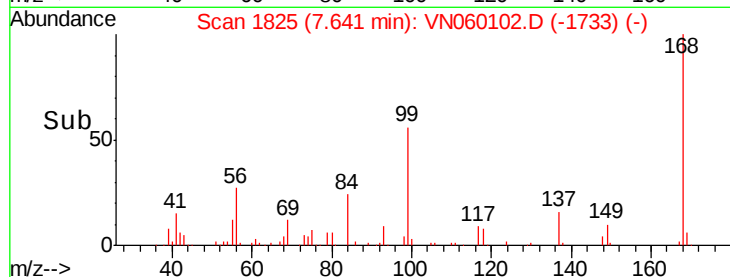
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.128 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060102.D

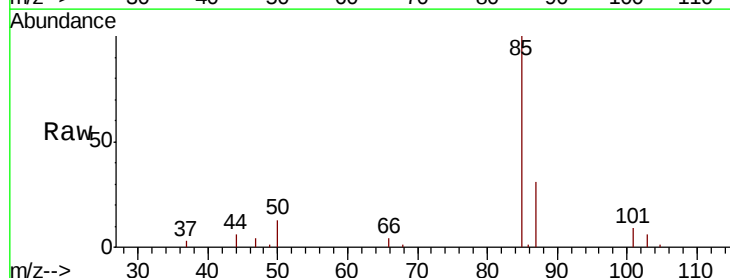
Acq: 14 Feb 2020 11:39

Tgt Ion: 85 Resp: 37826

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

10000

5000

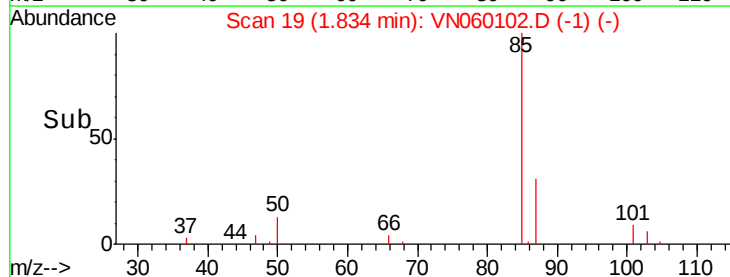
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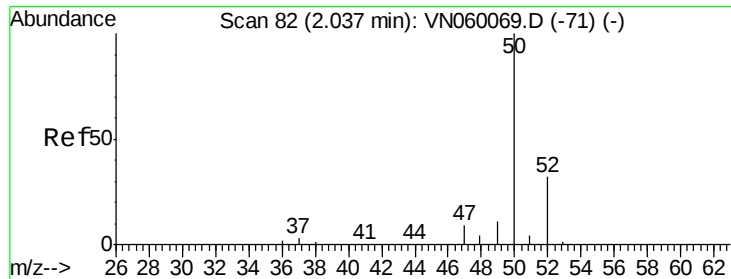
1.80

1.85

1.90

Time-->

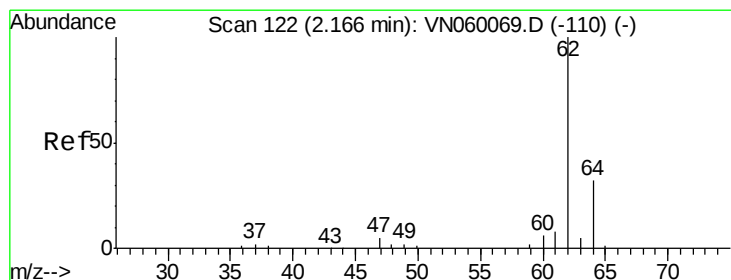
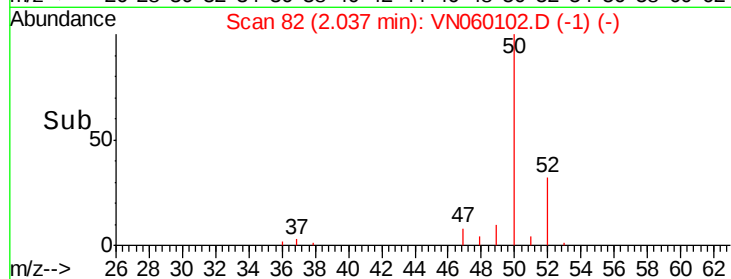
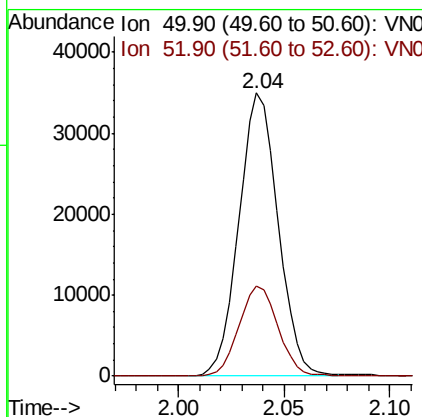
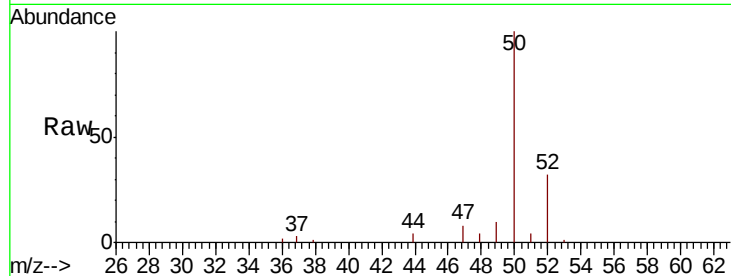




#3
Chloromethane
Concen: 21.234 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

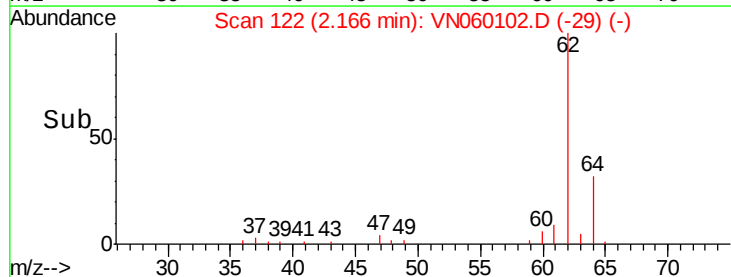
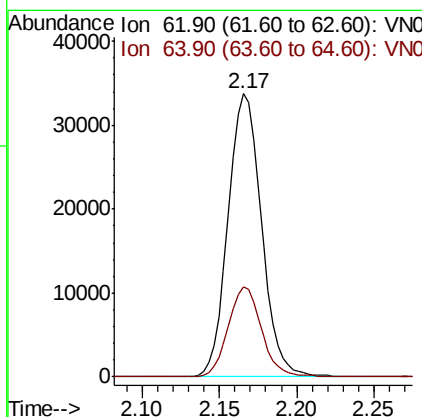
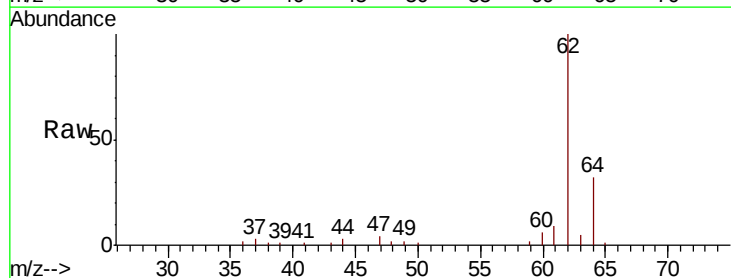
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 45240
Ion Ratio Lower Upper
50 100
52 31.9 25.6 38.4



#4
Vinyl Chloride
Concen: 20.805 ug/l
RT: 2.17 min Scan# 122
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 62 Resp: 50525
Ion Ratio Lower Upper
62 100
64 31.8 25.9 38.9

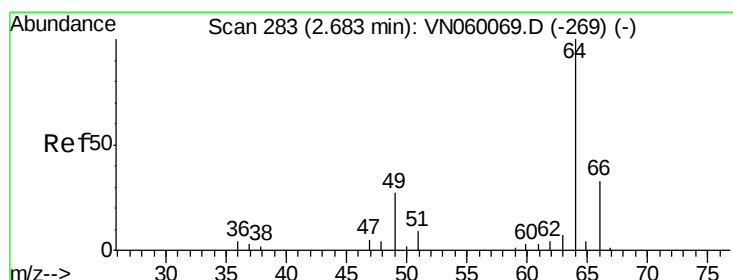
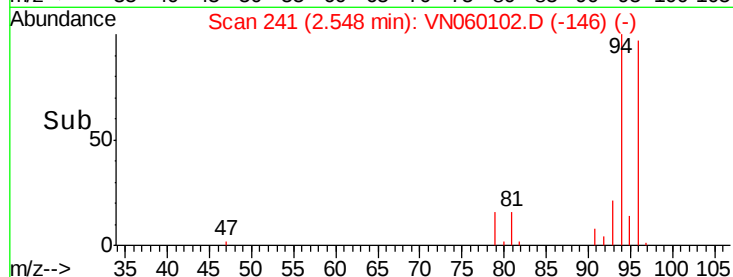
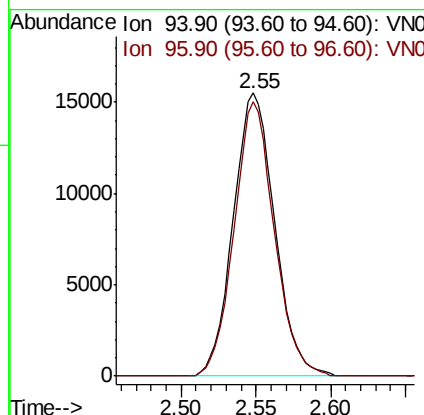
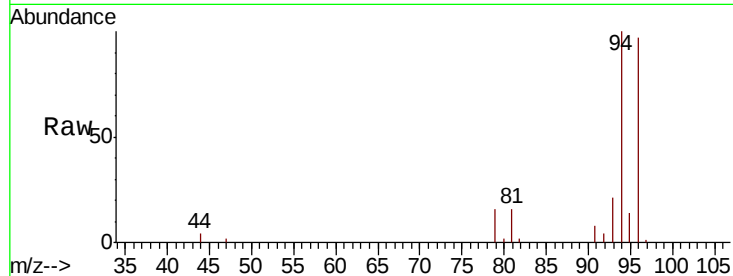




#5
Bromomethane
Concen: 20.077 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

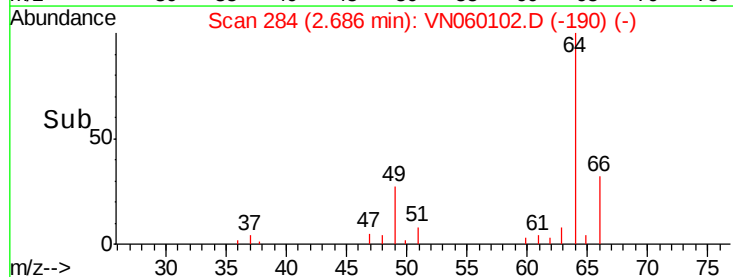
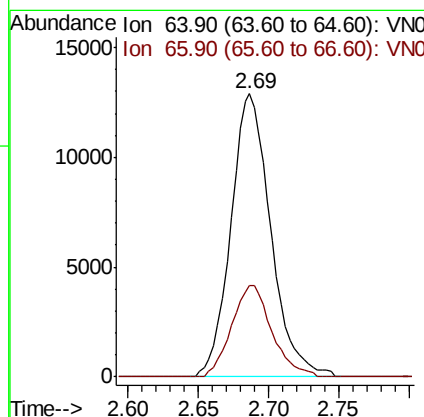
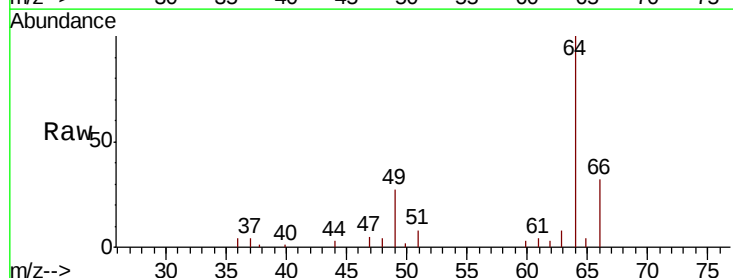
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 29896
Ion Ratio Lower Upper
94 100
96 96.8 76.7 115.1



#6
Chloroethane
Concen: 20.744 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 64 Resp: 25480
Ion Ratio Lower Upper
64 100
66 32.1 26.6 40.0



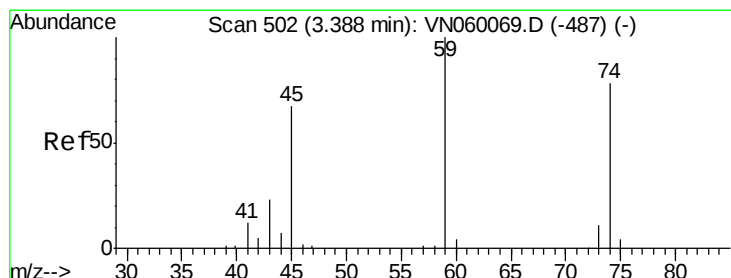
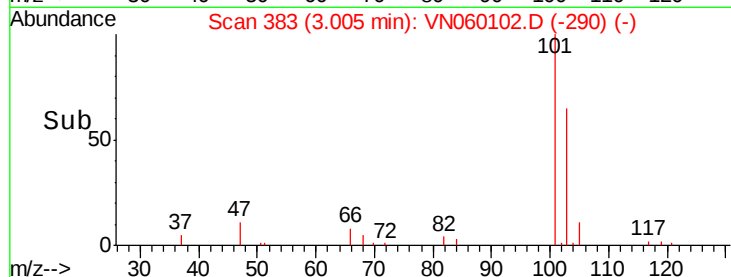
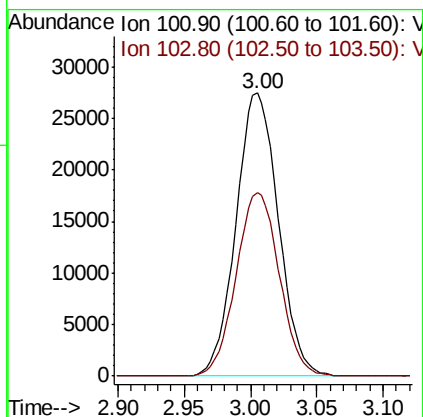
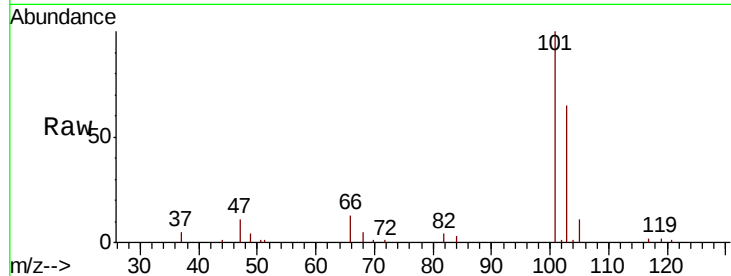


#7

Trichlorofluoromethane
 Concen: 19.453 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :

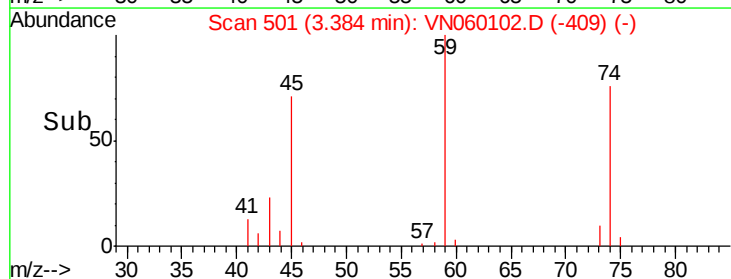
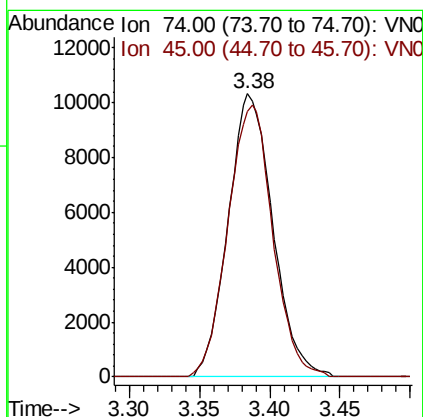
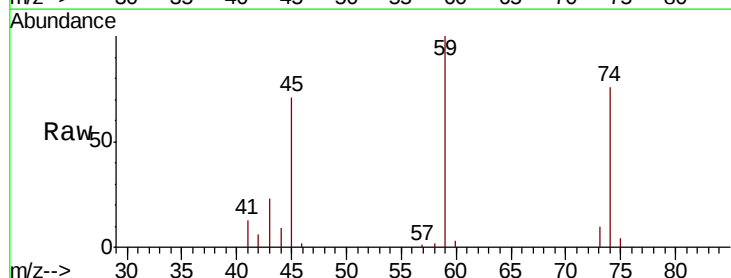
Tot Ion:101 Resp: 60909
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.6



#8

Diethyl Ether
 Concen: 21.916 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 74 Resp: 22842
 Ion Ratio Lower Upper
 74 100
 45 96.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.181 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

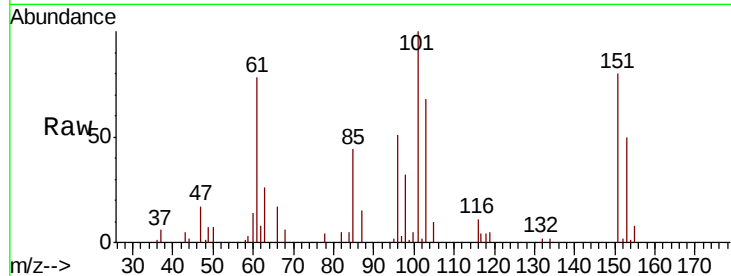
Tot Ion:101 Resp: 35081

Ion Ratio Lower Upper

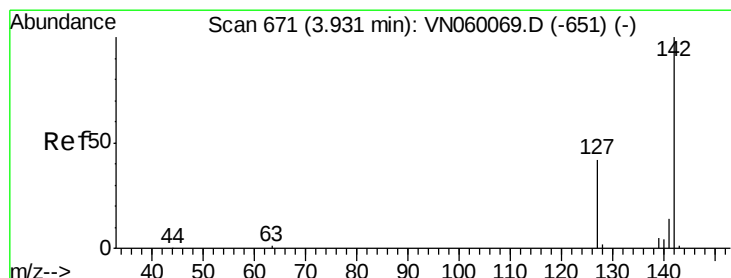
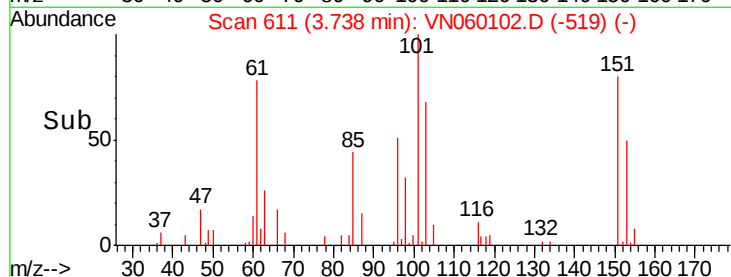
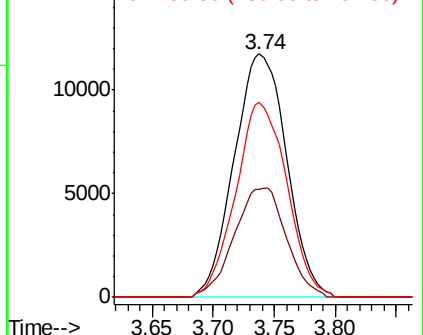
101 100

85 44.6 35.1 52.7

151 78.1 65.8 98.6



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: 21.212 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

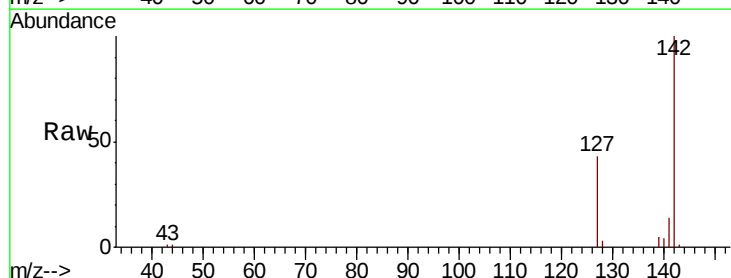
Tgt Ion:142 Resp: 46031

Ion Ratio Lower Upper

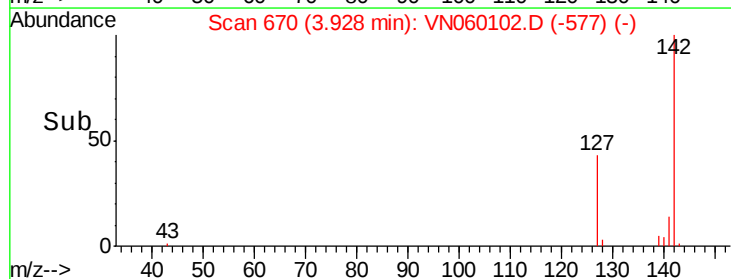
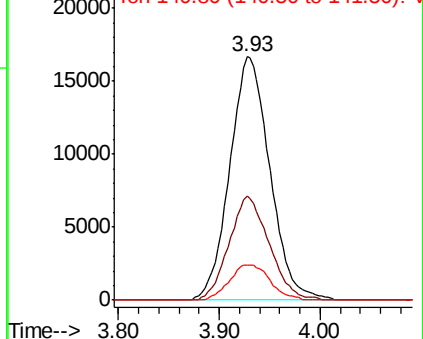
142 100

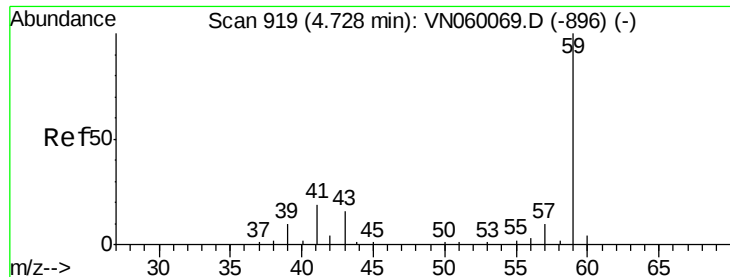
127 42.6 33.6 50.4

141 14.6 11.4 17.2



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

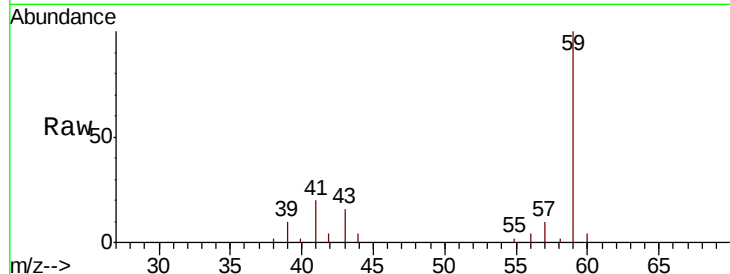




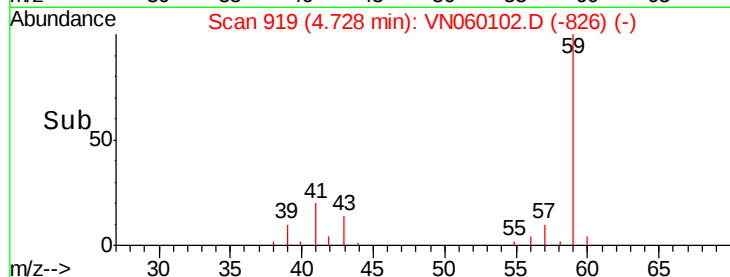
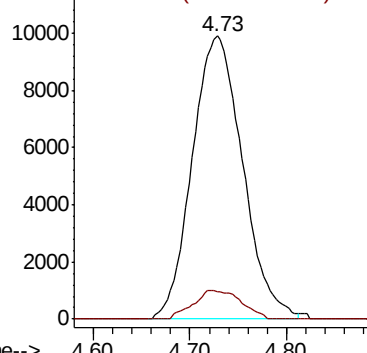
#11
Tert butyl alcohol
Concen: 109.808 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :

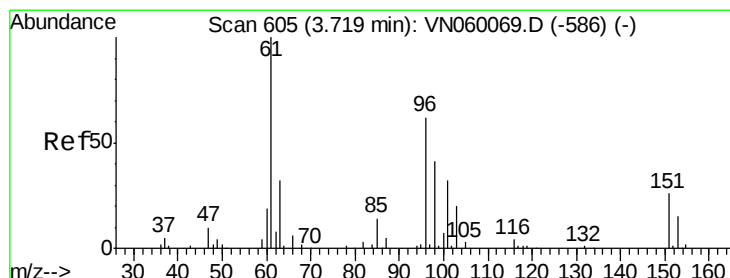
Tot Ion: 59 Resp: 35814
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

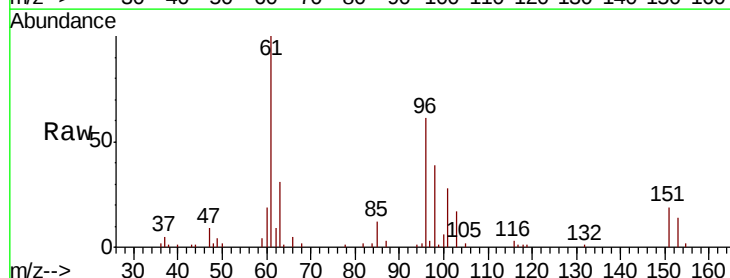


Time-->

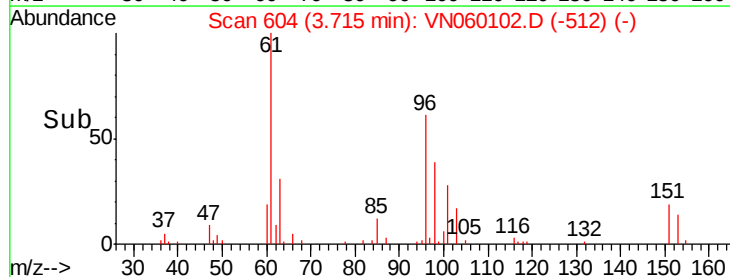
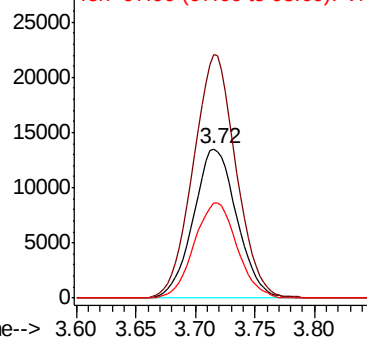


#12
1,1-Dichloroethene
Concen: 20.177 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

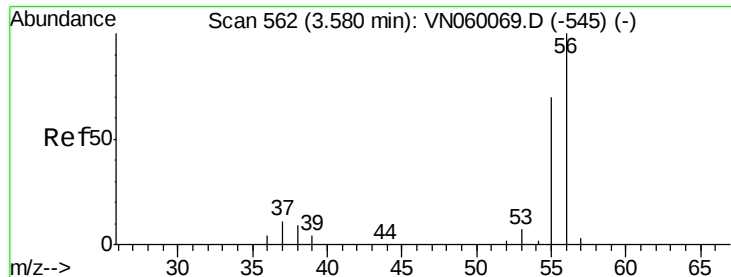
Tgt Ion: 96 Resp: 34169
Ion Ratio Lower Upper
96 100
61 163.0 128.3 192.5
98 63.5 52.2 78.4



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



Time-->



#13

Acrolein

Concen: 74.294 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

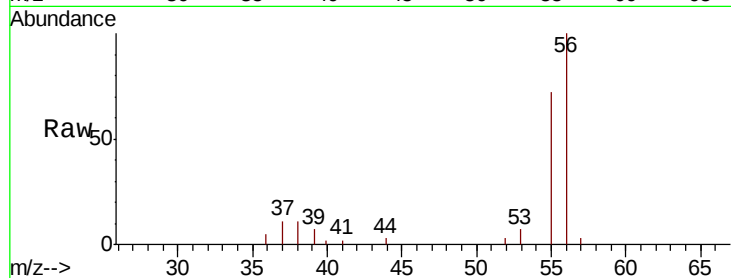
ClientSampled :

Tot Ion: 56 Resp: 23951

Ion Ratio Lower Upper

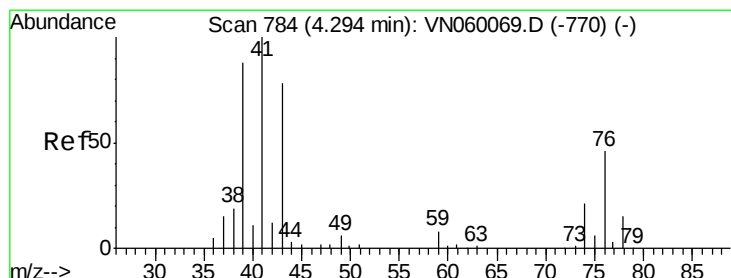
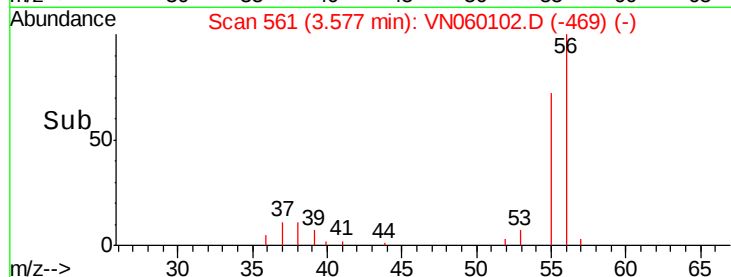
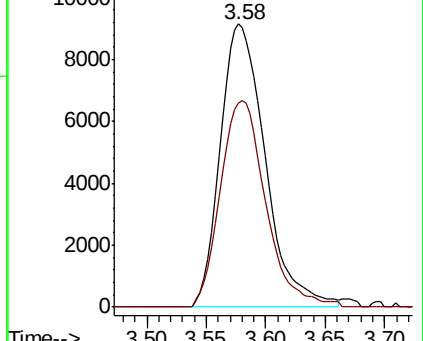
56 100

55 73.2 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060102.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060102.D (-545) (-)



#14

Allyl chloride

Concen: 23.432 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

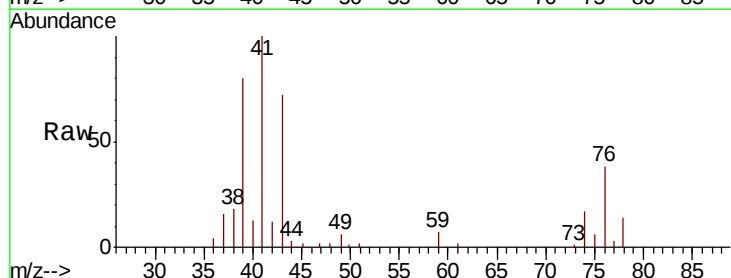
Tgt Ion: 41 Resp: 58403

Ion Ratio Lower Upper

41 100

39 73.4 67.8 101.8

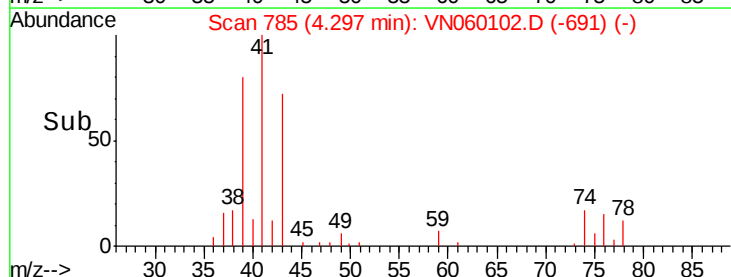
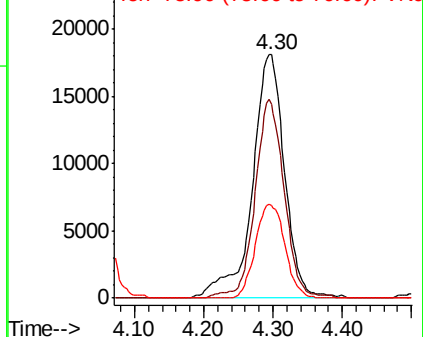
76 35.2 33.9 50.9

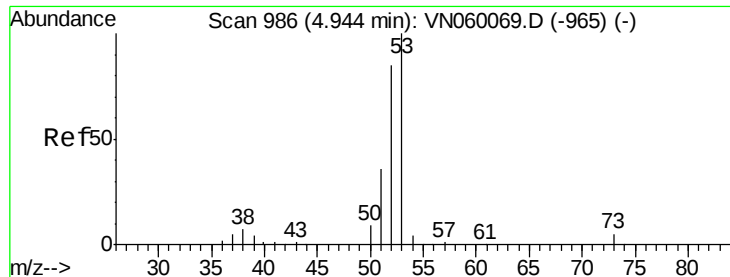


Abundance Ion 41.00 (40.70 to 41.70): VN060102.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060102.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060102.D (-691) (-)

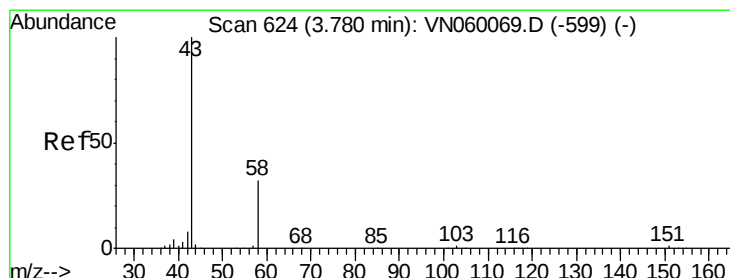
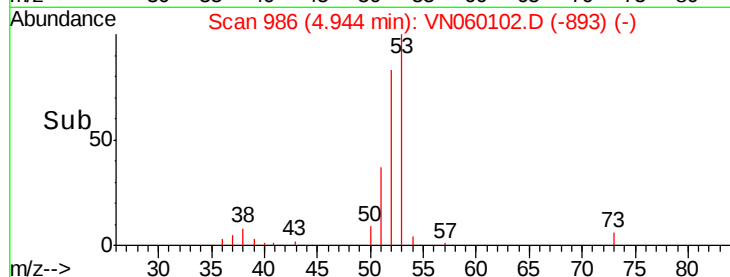
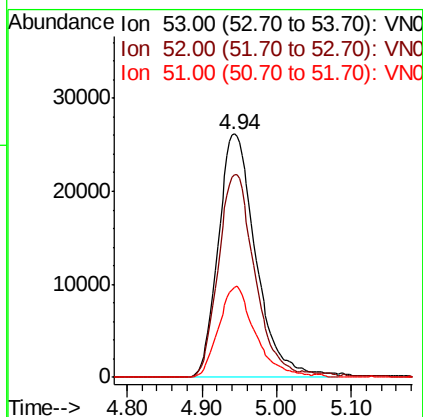
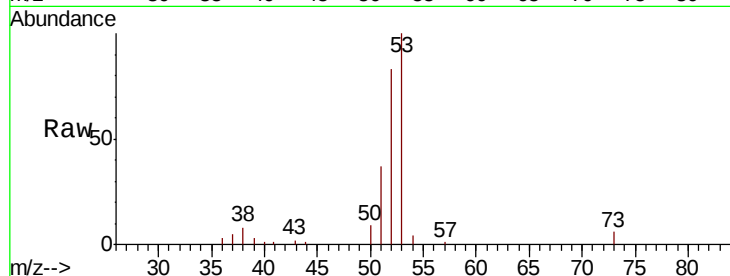




#15
 Acrylonitrile
 Concen: 114.645 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

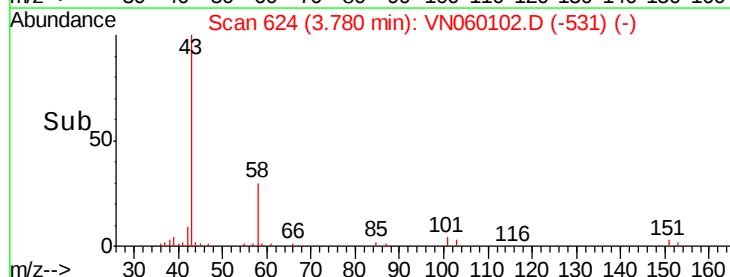
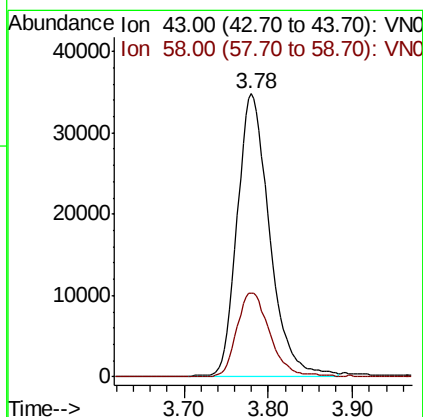
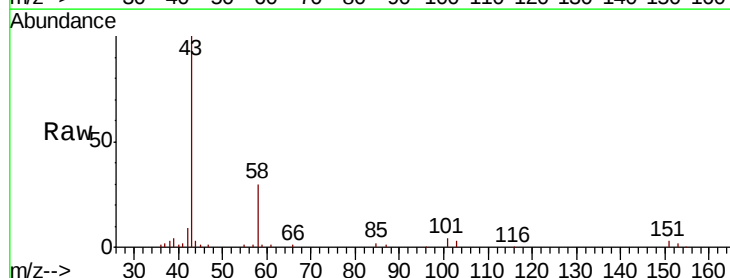
Instrument :
 MSVOA_N
 ClientSampleId :

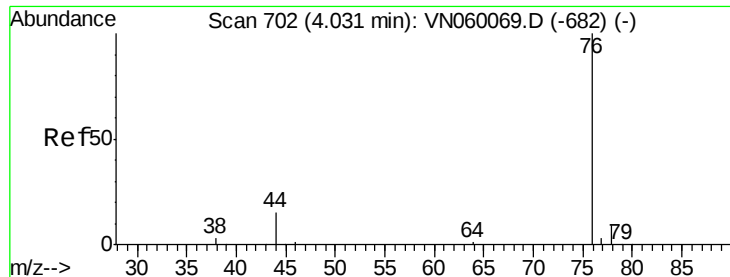
Tot Ion: 53 Resp: 91315
 Ion Ratio Lower Upper
 53 100
 52 81.3 66.8 100.2
 51 36.3 29.4 44.0



#16
 Acetone
 Concen: 98.377 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 43 Resp: 93526
 Ion Ratio Lower Upper
 43 100
 58 29.7 25.2 37.8

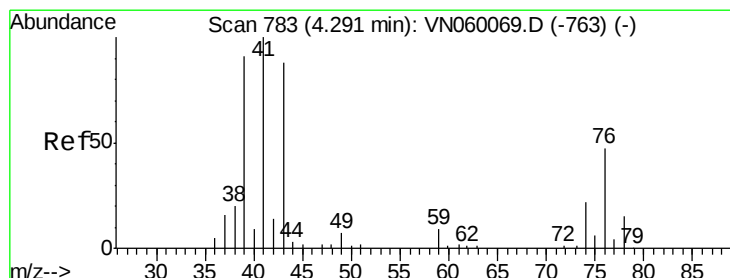
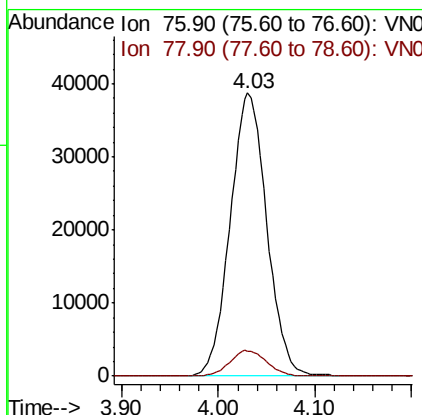
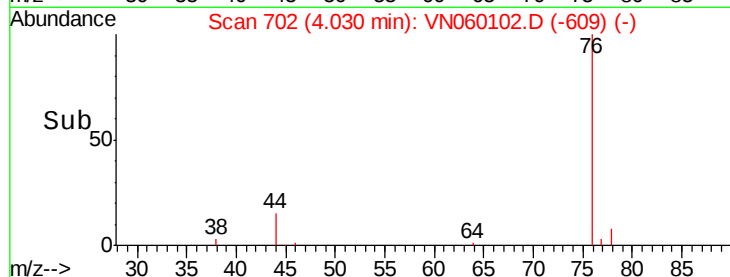
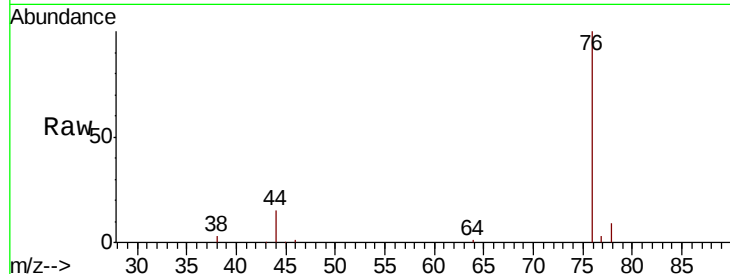




#17
Carbon Disulfide
Concen: 19.914 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

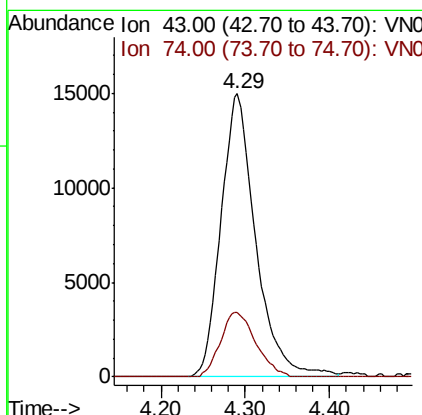
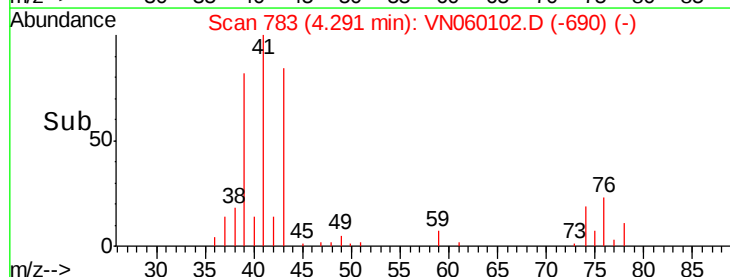
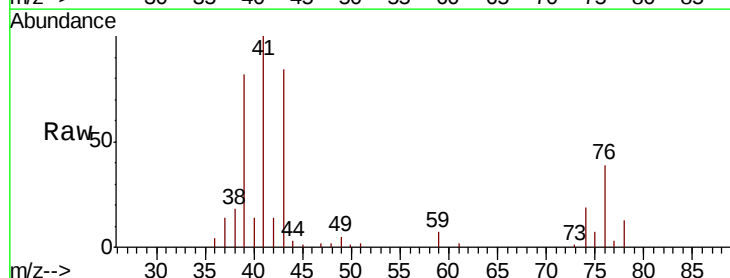
Instrument :
MSVOA_N
ClientSampled :

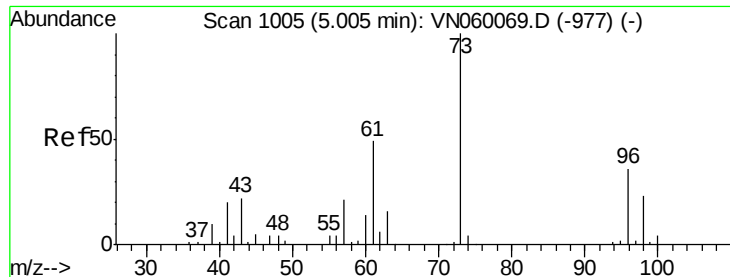
Tot Ion: 76 Resp: 101647
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 23.977 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 43 Resp: 42820
Ion Ratio Lower Upper
43 100
74 23.2 20.3 30.5

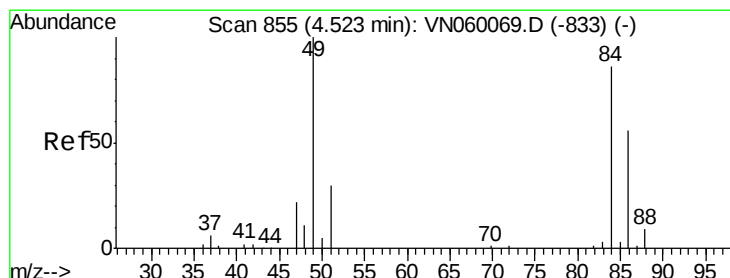
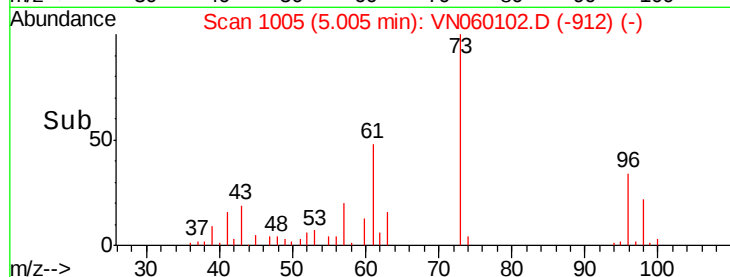
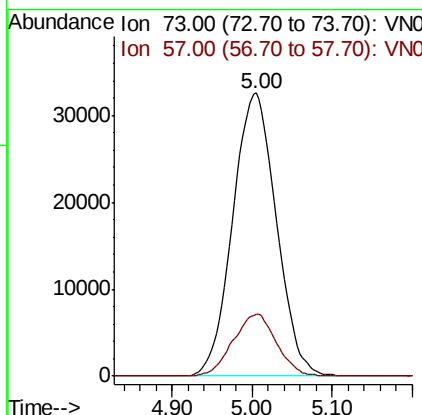
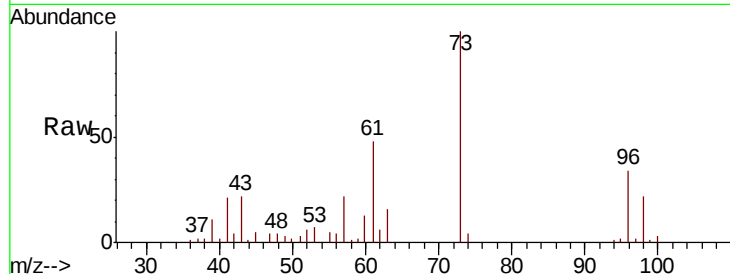




#19
Methvl tert-butvl Ether
Concen: 21.222 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

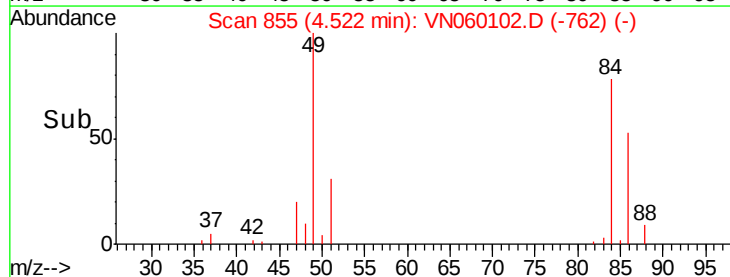
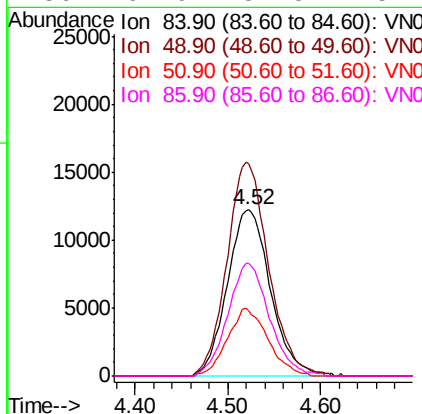
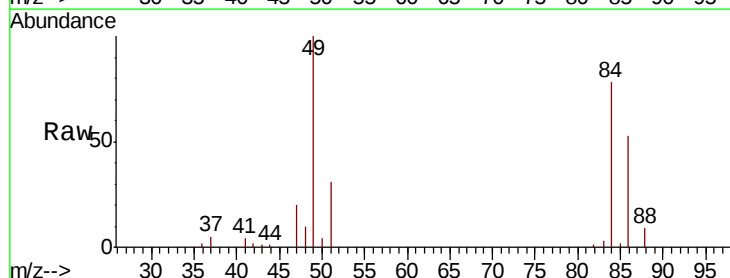
Instrument :
MSVOA_N
ClientSampled :

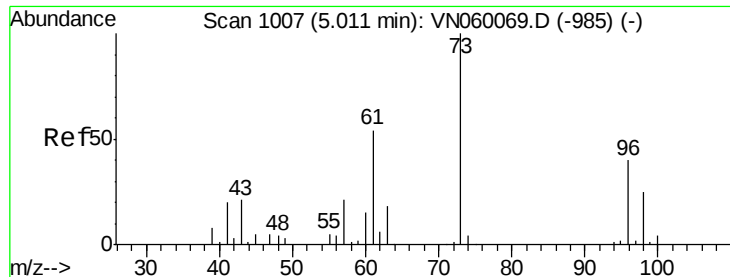
Tot Ion: 73 Resp: 120856
Ion Ratio Lower Upper
73 100
57 22.0 17.2 25.8



#20
Methylene Chloride
Concen: 20.823 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 84 Resp: 39495
Ion Ratio Lower Upper
84 100
49 127.8 93.4 140.0
51 39.4 28.4 42.6
86 67.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.880 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

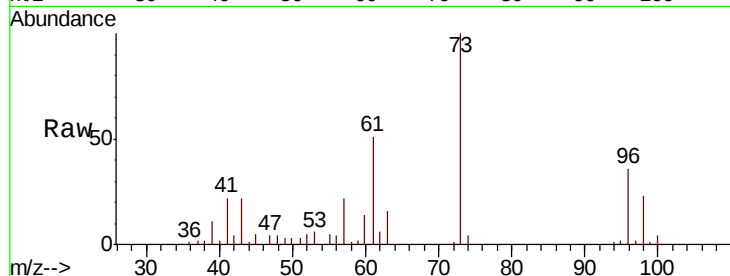
Tot Ion: 96 Resp: 36699

Ion Ratio Lower Upper

96 100

61 142.5 109.3 163.9

98 63.8 51.0 76.6

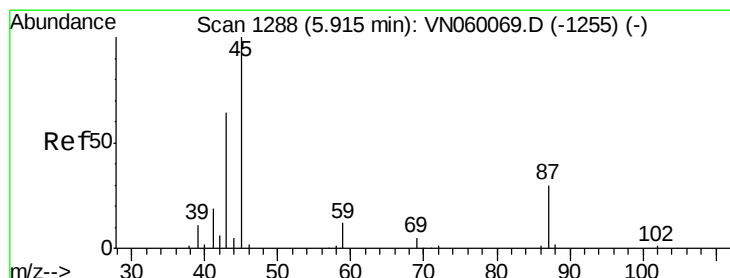
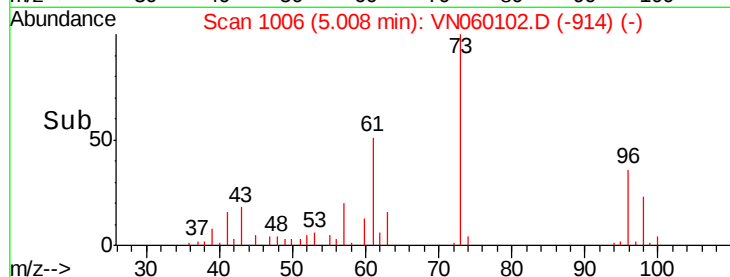
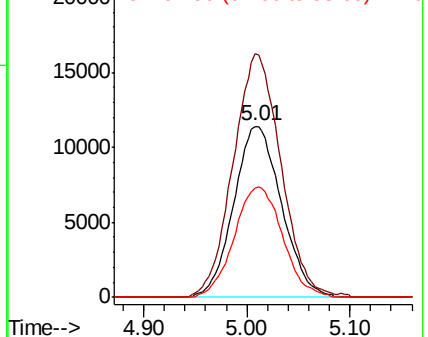


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 22.243 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion: 45 Resp: 121504

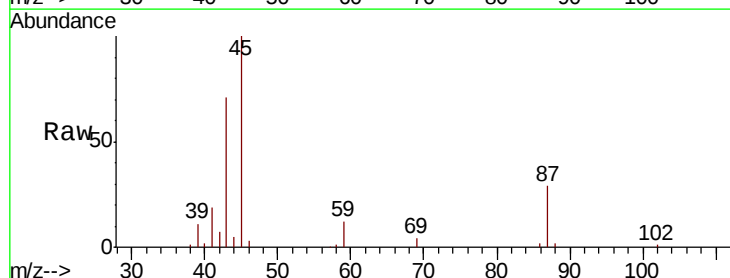
Ion Ratio Lower Upper

45 100

43 68.2 55.9 83.9

87 29.4 24.5 36.7

59 11.6 9.9 14.9



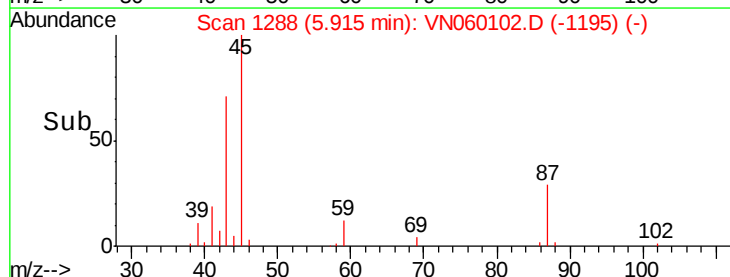
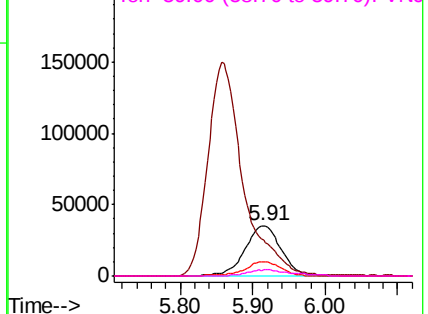
Abundance

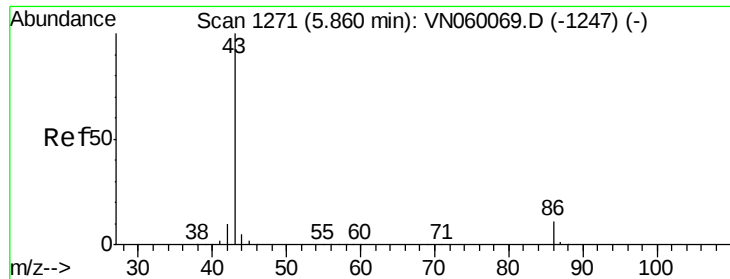
Ion 45.00 (44.70 to 45.70): VN0

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: 110.607 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

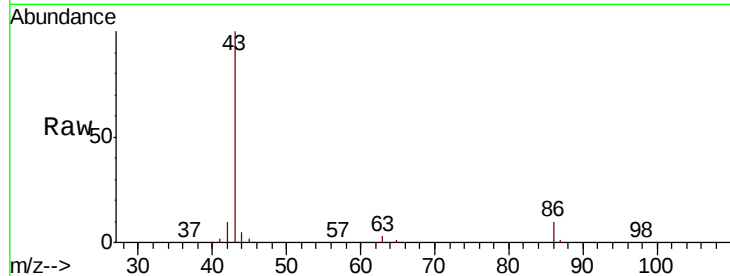
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 507384

Ion Ratio Lower Upper

43 100

86 10.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN060102.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060102.D (-1178) (-)

5.86

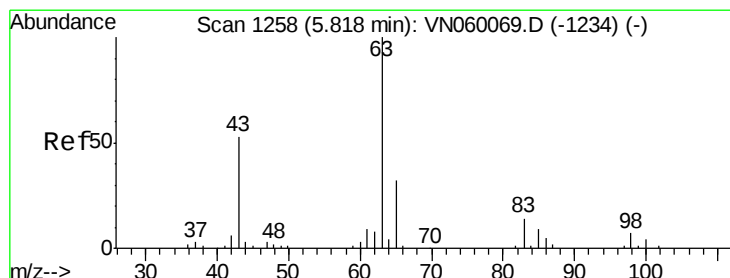
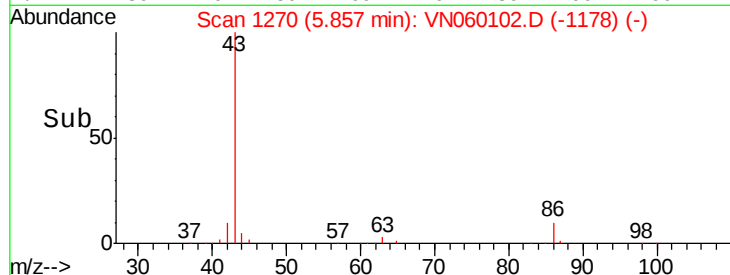
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.103 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

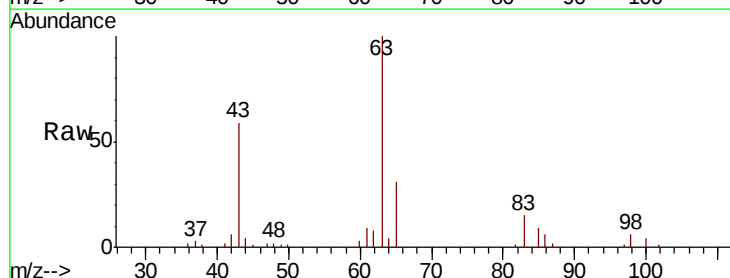
Tgt Ion: 63 Resp: 69832

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060102.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060102.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060102.D (-1165) (-)

5.82

30000

25000

20000

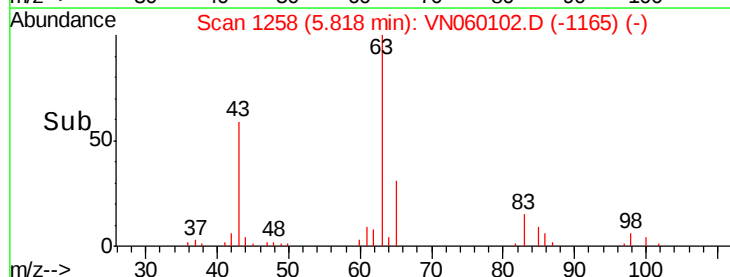
15000

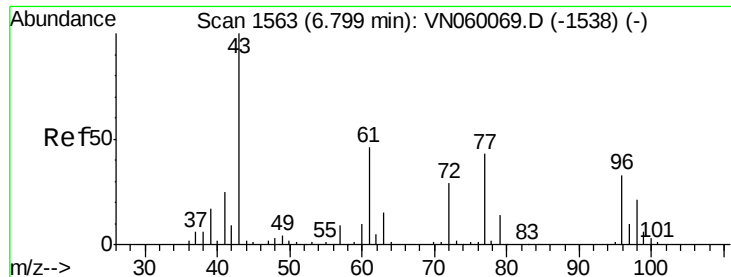
10000

5000

0

Time-->





#25

2-Butanone

Concen: 107.882 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

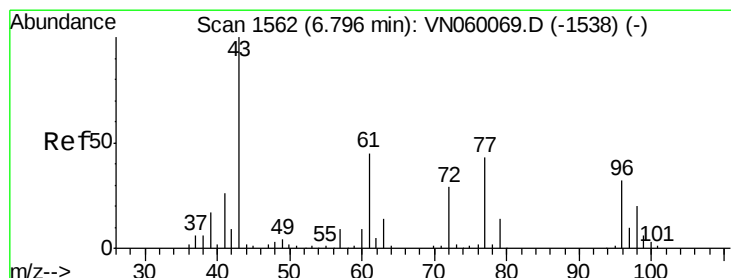
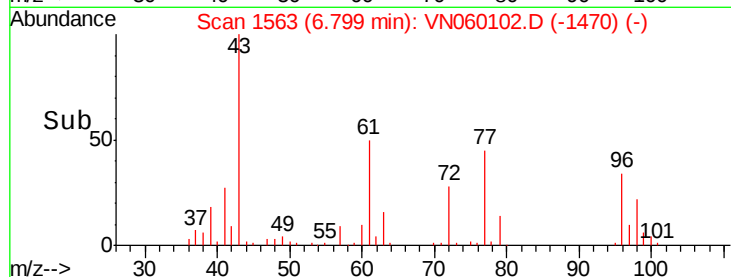
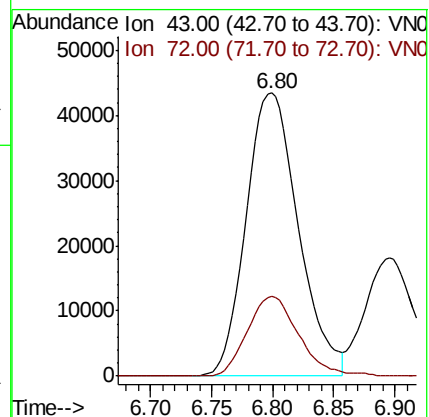
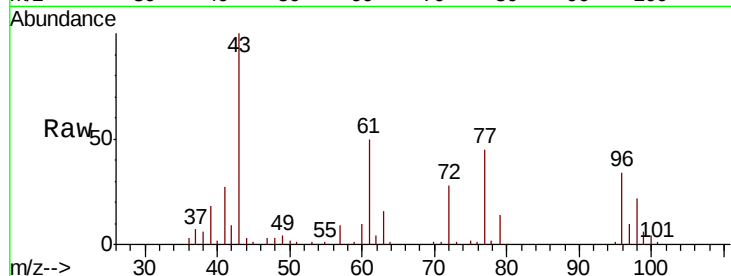
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 128990

Ion Ratio Lower Upper

43 100

72 28.1 23.3 34.9



#26

2,2-Dichloropropane

Concen: 19.816 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060102.D

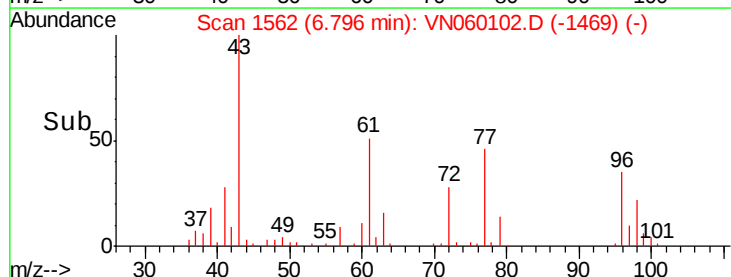
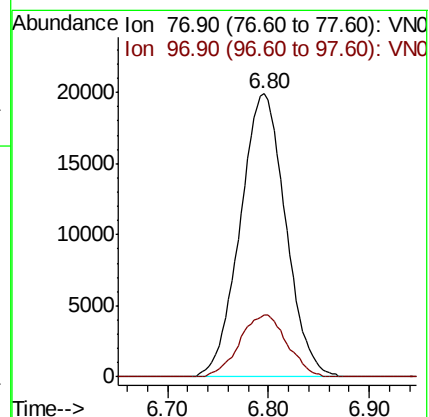
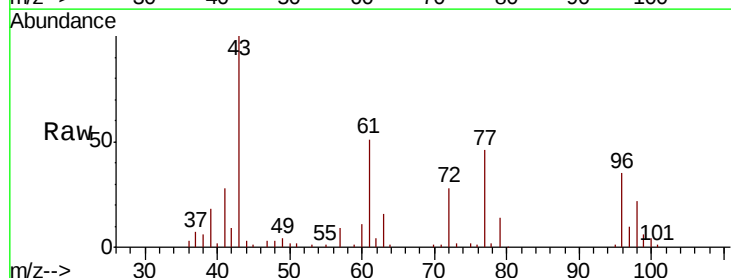
Acq: 14 Feb 2020 11:39

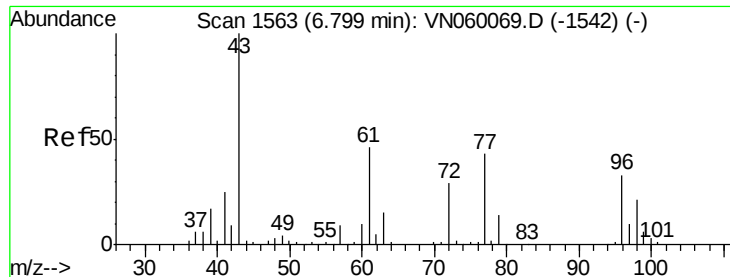
Tgt Ion: 77 Resp: 62282

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

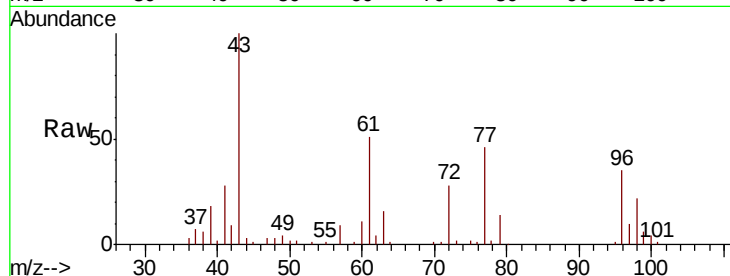
Tot Ion: 96 Resp: 43497

Ion Ratio Lower Upper

96 100

61 146.8 0.0 285.8

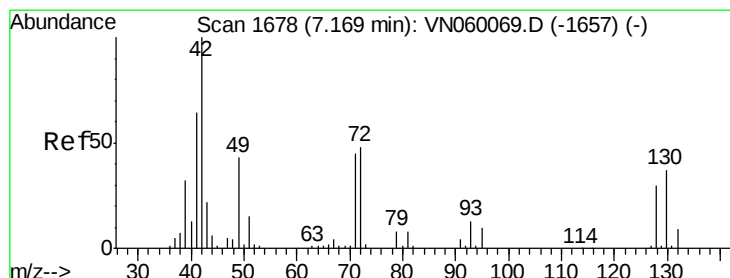
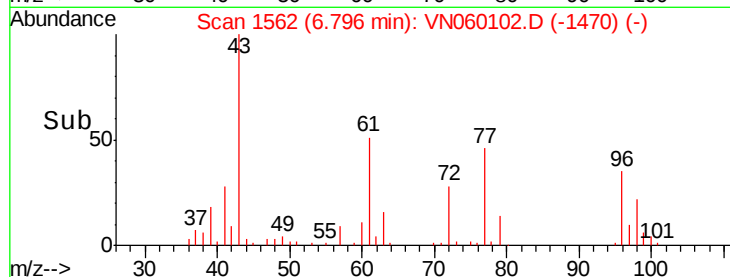
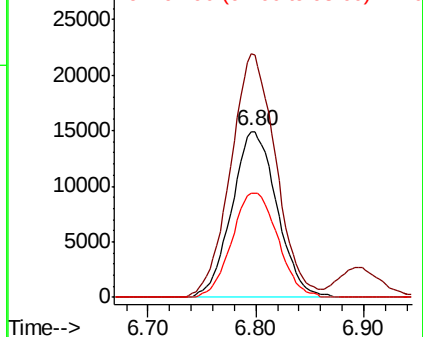
98 63.8 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN060102.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN060102.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN060102.D (-1470) (-)



#28

Bromochloromethane

Concen: 21.157 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

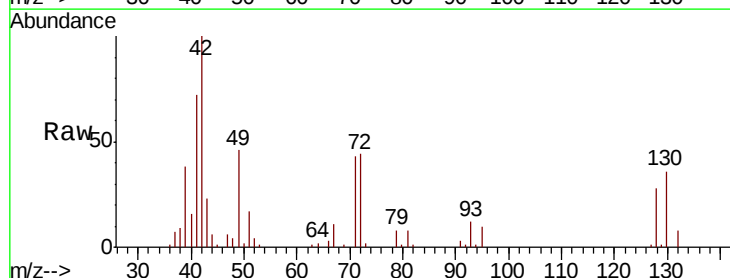
Tgt Ion: 49 Resp: 27524

Ion Ratio Lower Upper

49 100

129 1.0 0.0 2.2

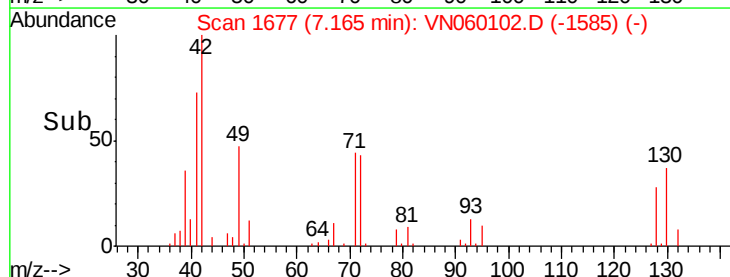
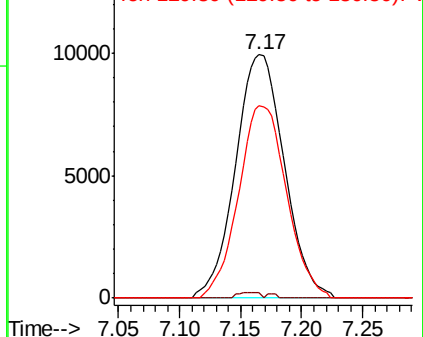
130 78.0 66.8 100.2

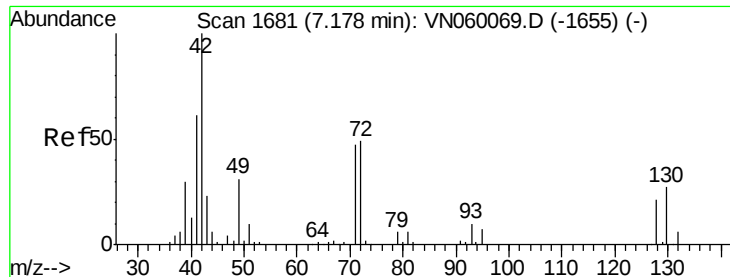


Abundance Ion 48.90 (48.60 to 49.60): VN060102.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060102.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060102.D (-1585) (-)

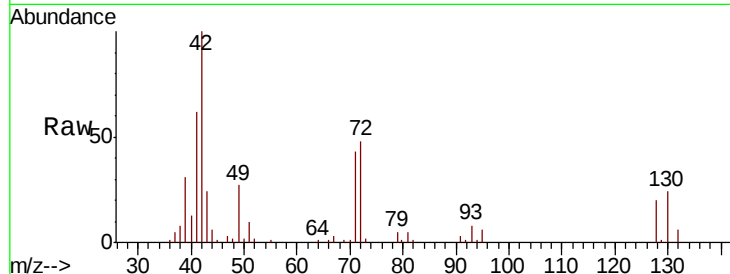




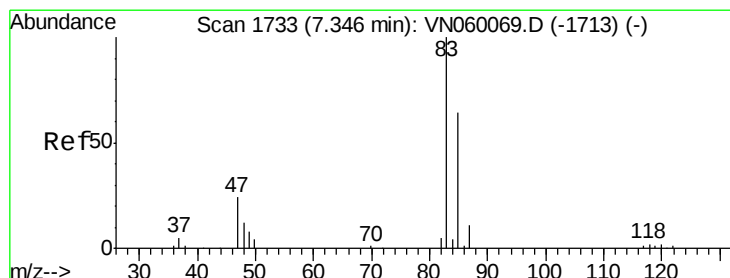
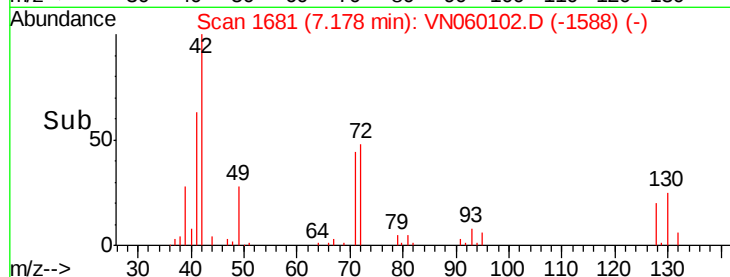
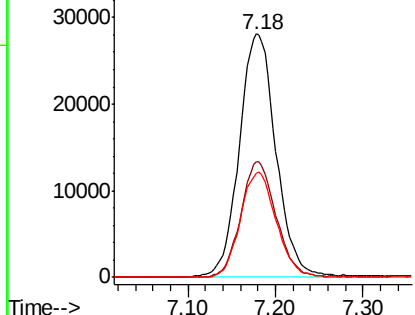
#29
Tetrahydrofuran
Concen: 111.445 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 81746
Ion Ratio Lower Upper
42 100
72 45.6 38.2 57.4
71 42.3 36.6 54.8

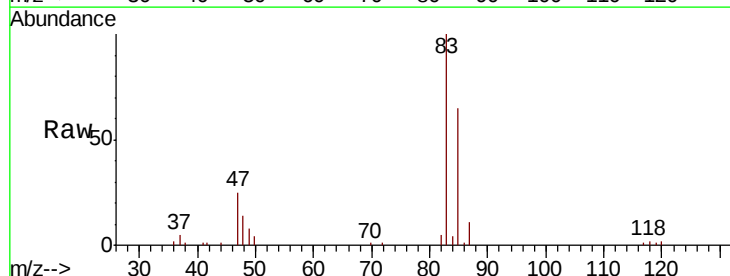


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

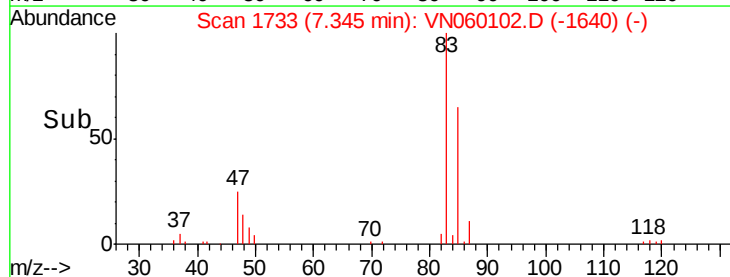
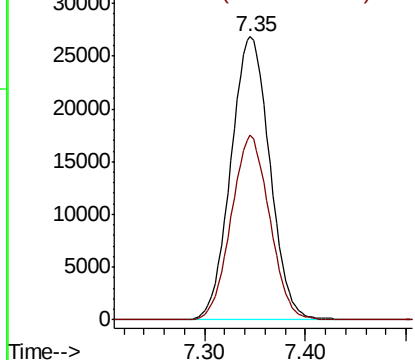


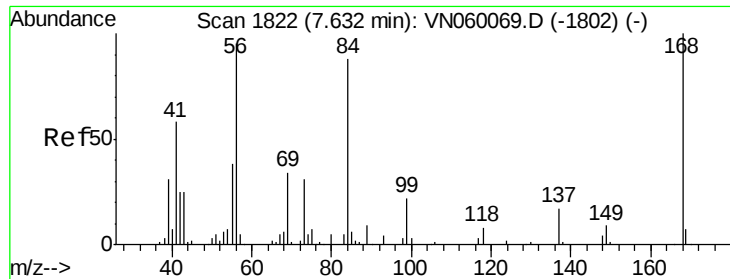
#30
Chloroform
Concen: 20.687 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 83 Resp: 71711
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0



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

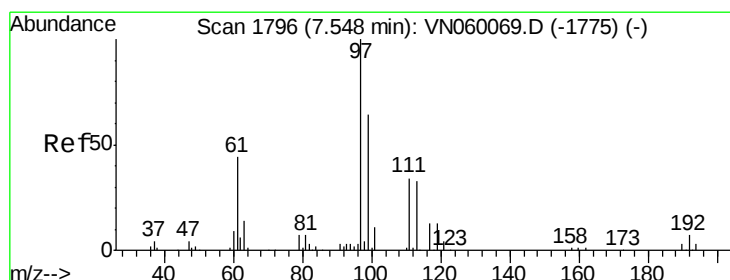
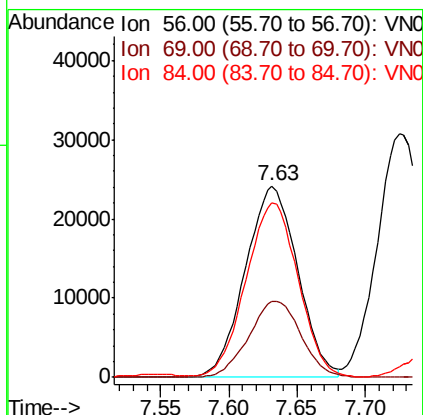
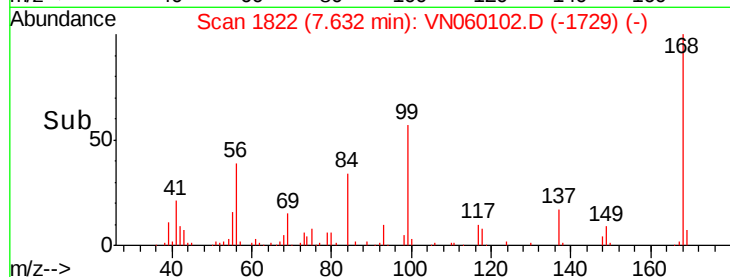
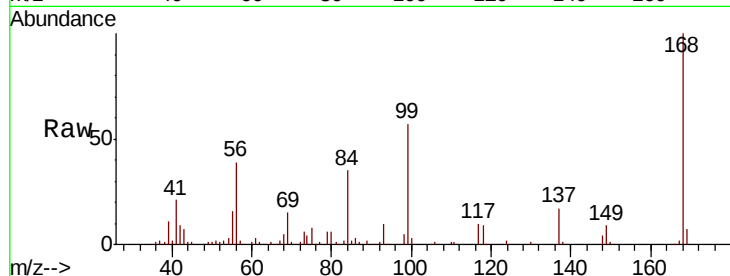




#31
Cyclohexane
Concen: 20.886 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

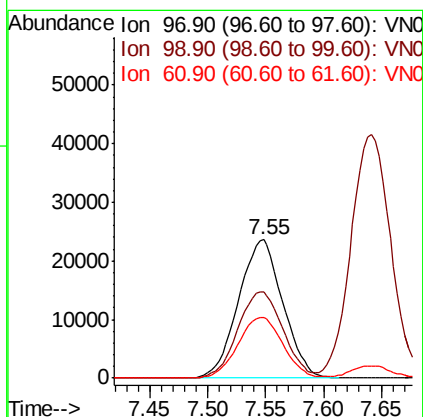
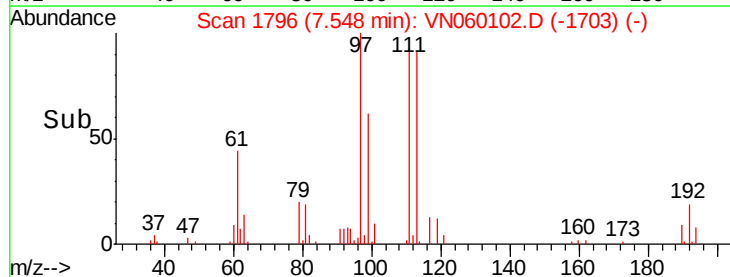
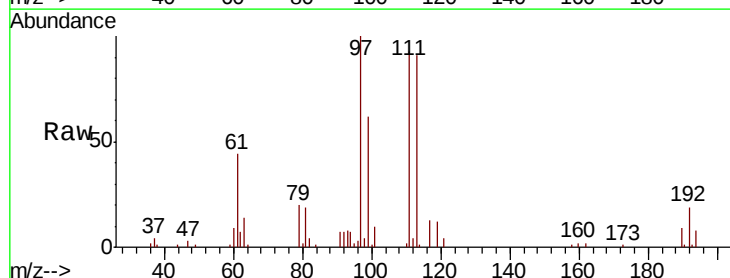
Instrument :
MSVOA_N
ClientSampleId :

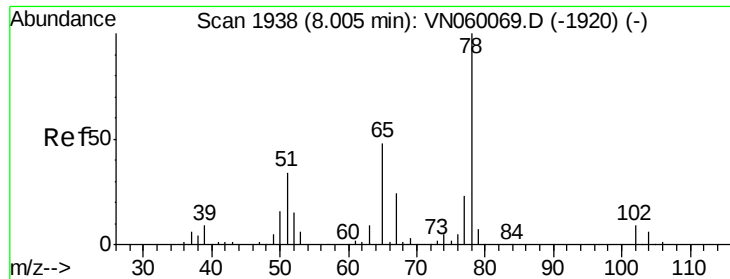
Tot Ion: 56 Resp: 64383
Ion Ratio Lower Upper
56 100
69 39.5 28.3 42.5
84 89.9 72.6 108.8



#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 97 Resp: 62818
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 44.6 34.9 52.3

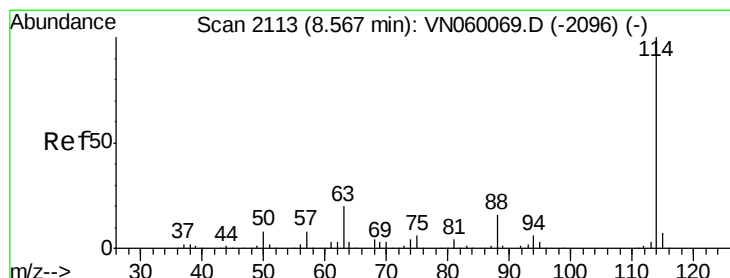
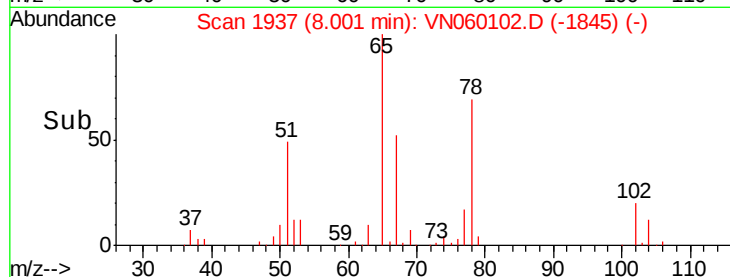
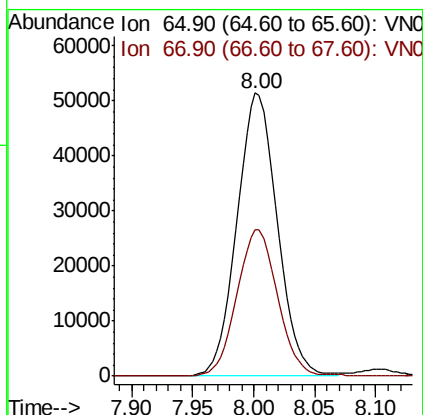
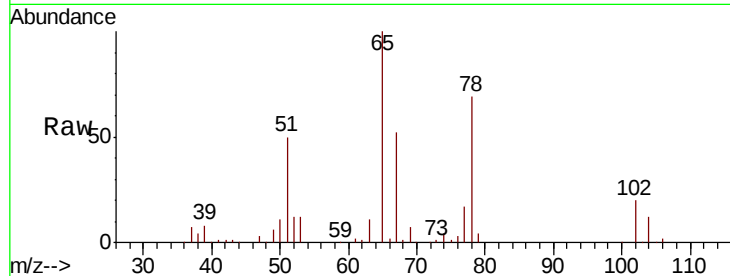




#33
 1,2-Dichloroethane-d4
 Concen: 53.978 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

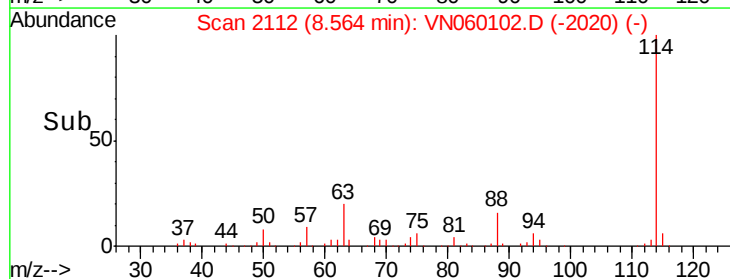
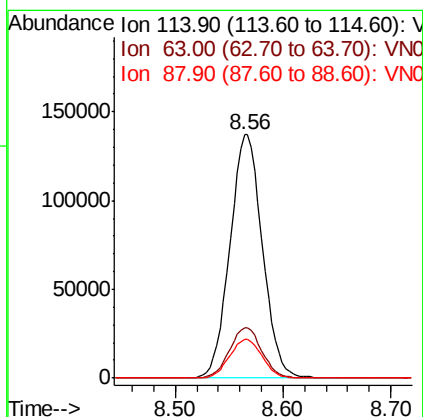
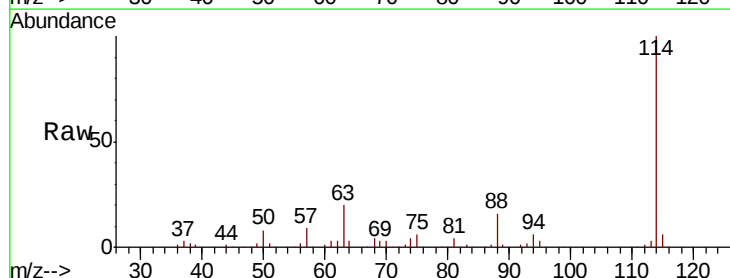
Instrument :
 MSVOA_N
 ClientSampled :

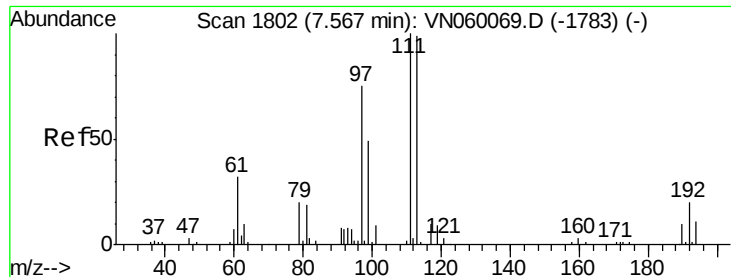
Tot Ion: 65 Resp: 117644
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 114 Resp: 288164
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.9 0.0 31.6

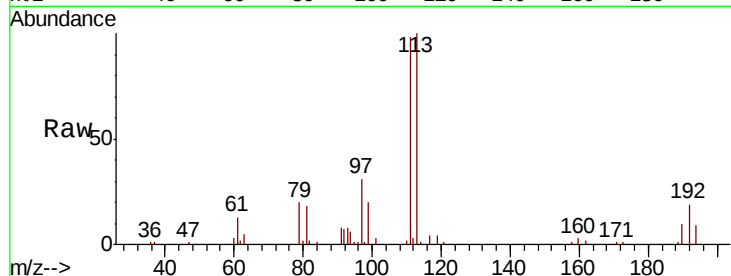




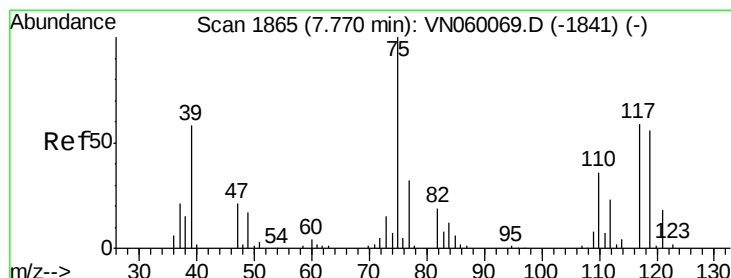
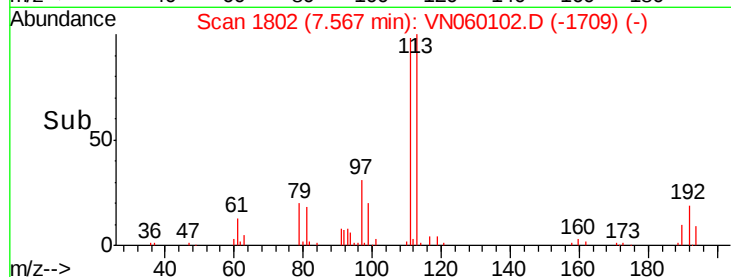
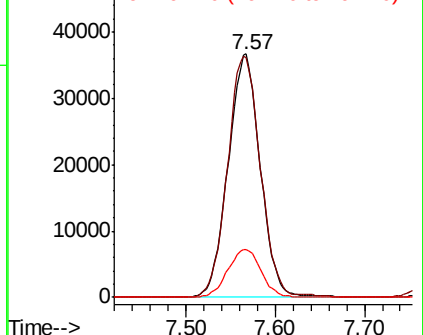
#35
 Dibromofluoromethane
 Concen: 51.517 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 91255
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.4 122.2
 192 20.3 16.2 24.2

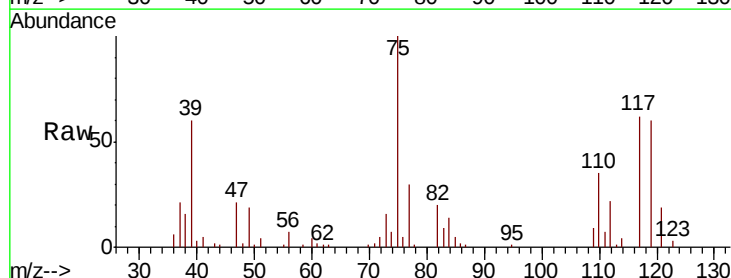


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

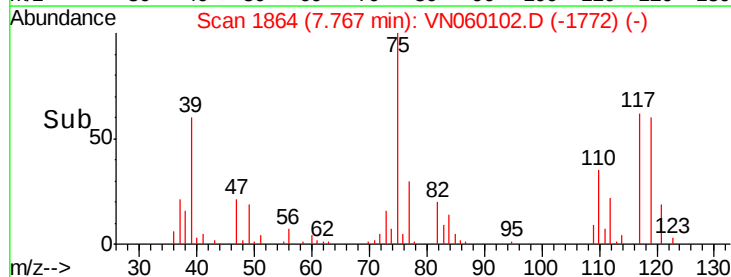
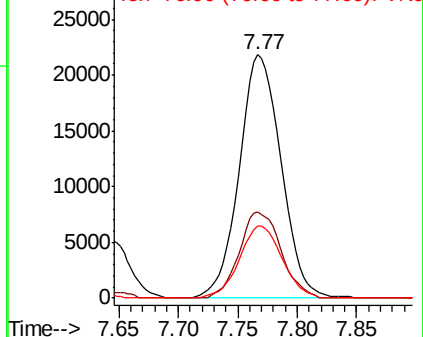


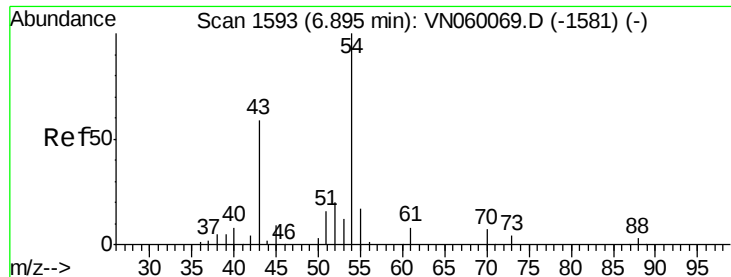
#36
 1,1-Dichloropropene
 Concen: 19.949 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 75 Resp: 53245
 Ion Ratio Lower Upper
 75 100
 110 35.2 18.1 54.3
 77 30.2 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

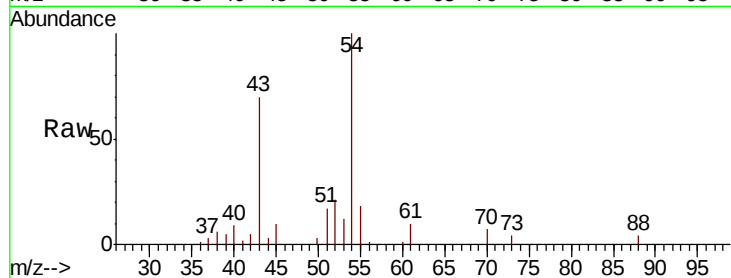




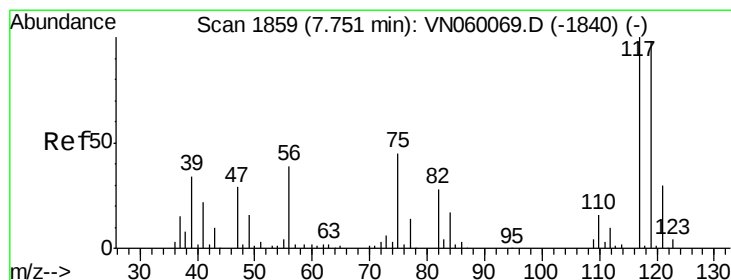
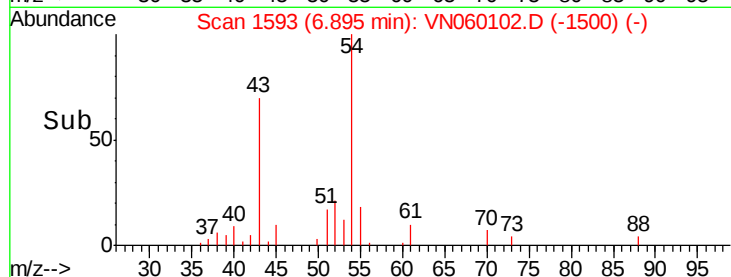
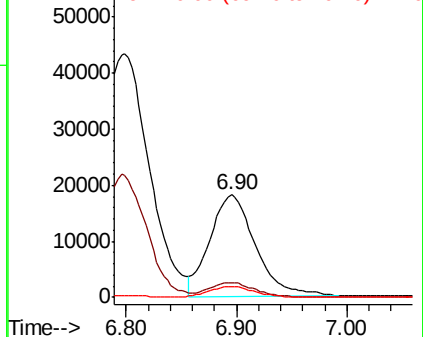
#37
Ethyl Acetate
Concen: 21.374 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 51560
Ion Ratio Lower Upper
43 100
61 14.7 11.4 17.2
70 10.8 8.7 13.1

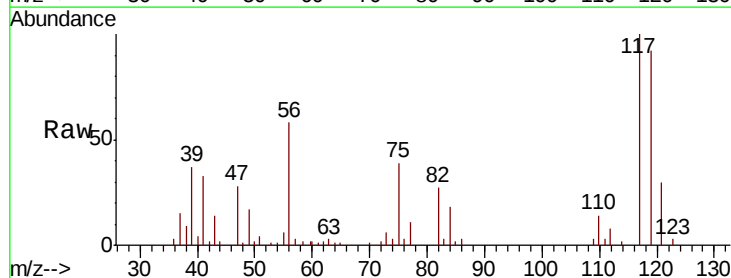


Abundance Ion 43.00 (42.70 to 43.70): VN060102.D (-1581) (-)
Ion 60.90 (60.60 to 61.60): VN060102.D (-1581) (-)
Ion 70.00 (69.70 to 70.70): VN060102.D (-1581) (-)

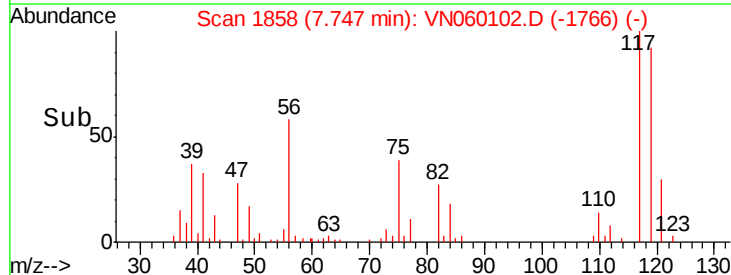
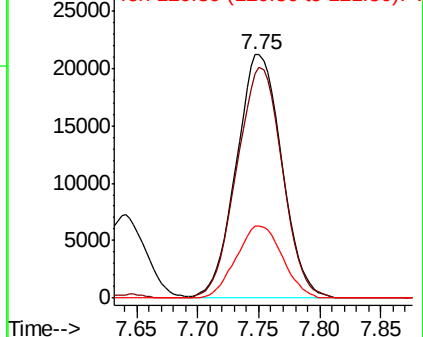


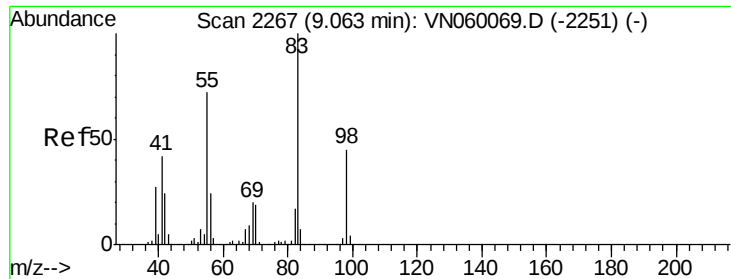
#38
Carbon Tetrachloride
Concen: 18.895 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 117 Resp: 54773
Ion Ratio Lower Upper
117 100
119 92.3 78.2 117.4
121 29.7 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): VN060102.D (-1840) (-)
Ion 118.80 (118.50 to 119.50): VN060102.D (-1840) (-)
Ion 120.80 (120.50 to 121.50): VN060102.D (-1840) (-)

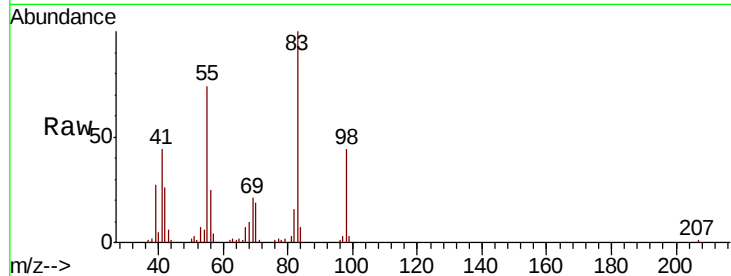




#39
Methvlcvclohexane
Concen: 19.538 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	83	Resp	64735
Ion	Ratio	Lower	Upper
83	100		
55	74.0	57.8	86.8
98	44.4	36.4	54.6

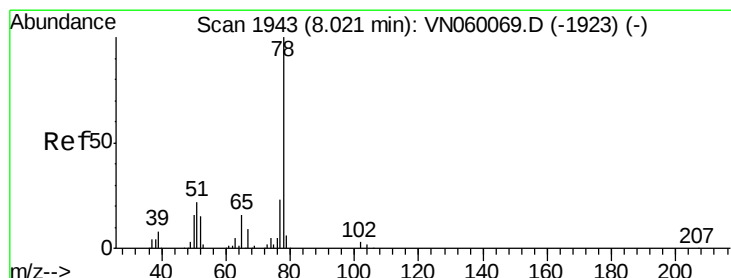
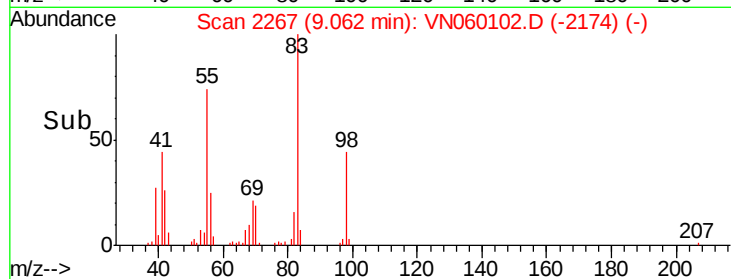
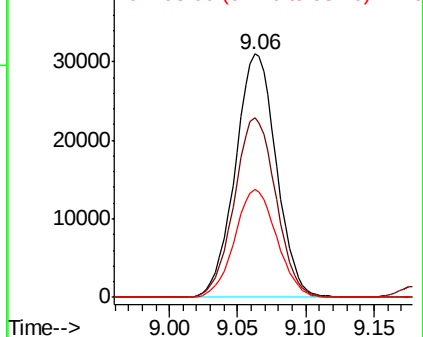


Abundance

Ion 83.00 (82.70 to 83.70): VN0

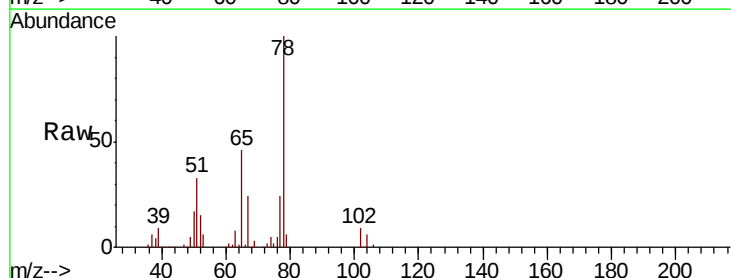
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.032 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

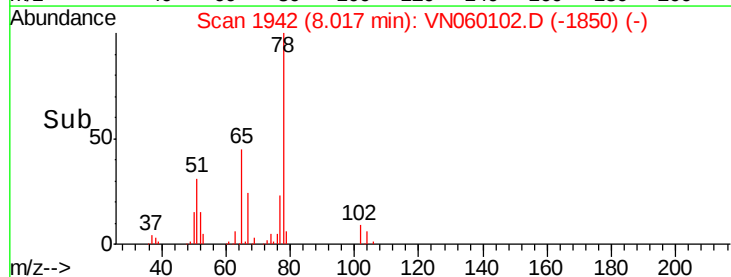
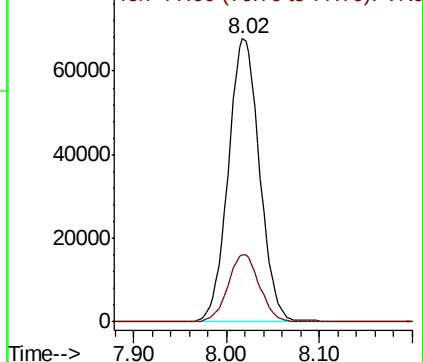
Tgt Ion	78	Resp	158601
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

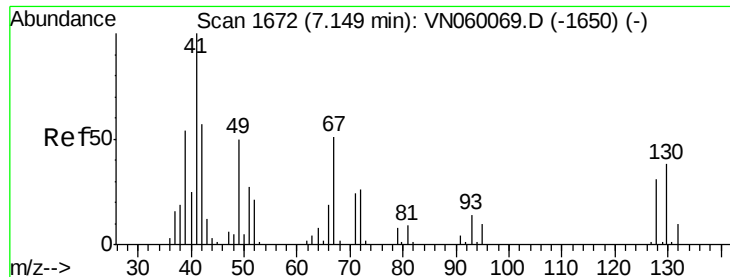


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

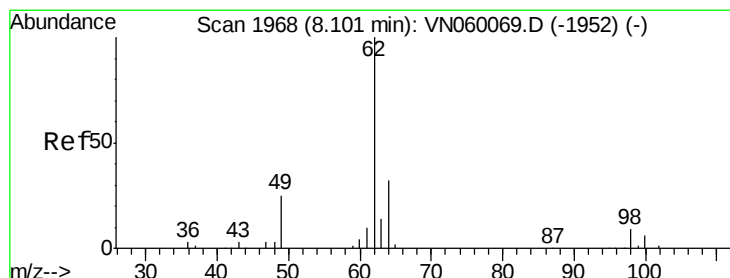
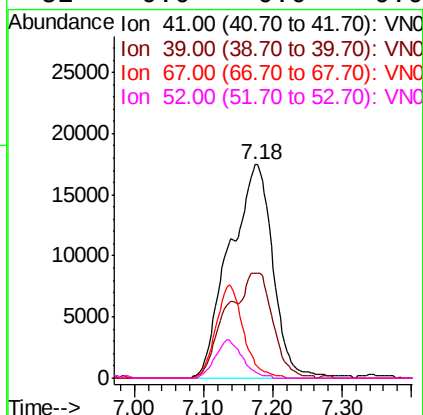
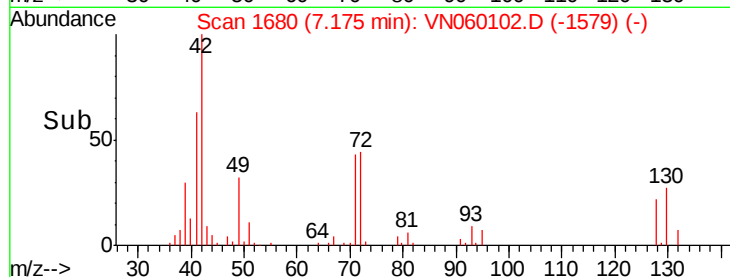
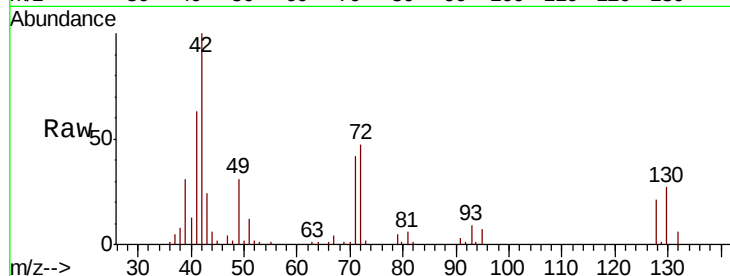




#41
Methacrylonitrile
Concen: 75.203 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

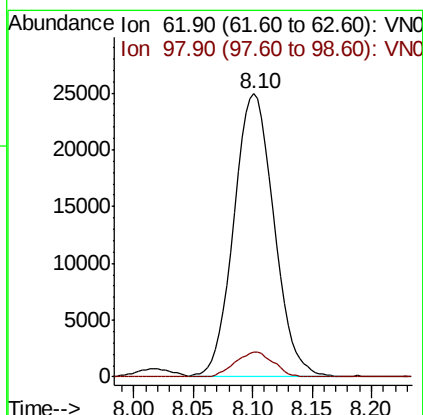
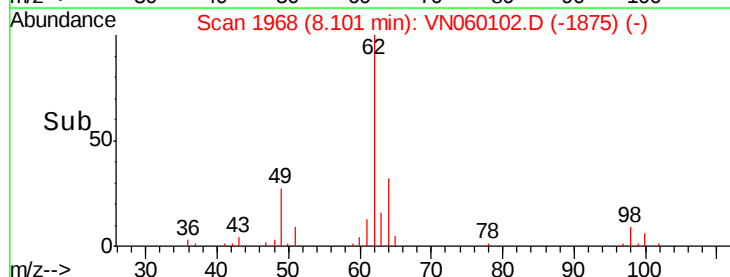
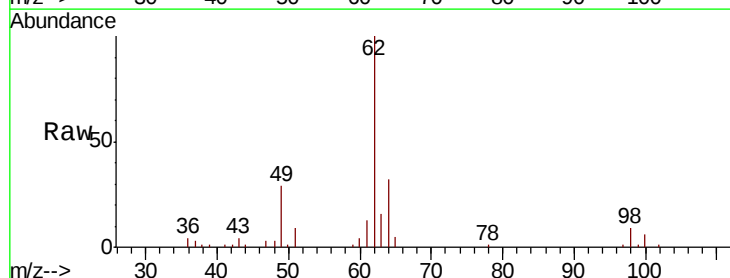
Instrument :
MSVOA_N
ClientSampleId :

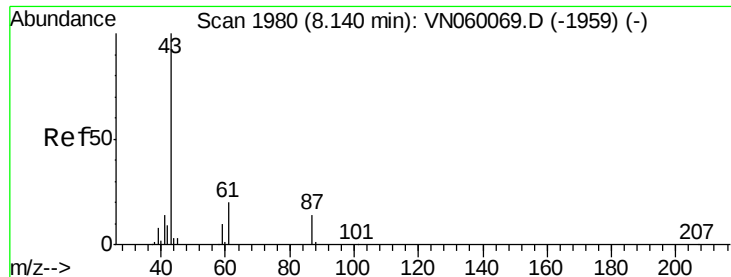
Tot Ion: 41 Resp: 76077
Ion Ratio Lower Upper
41 100
39 29.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 21.097 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 62 Resp: 58545
Ion Ratio Lower Upper
62 100
98 8.3 0.0 18.2





#43

Isopropyl Acetate

Concen: 21.782 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

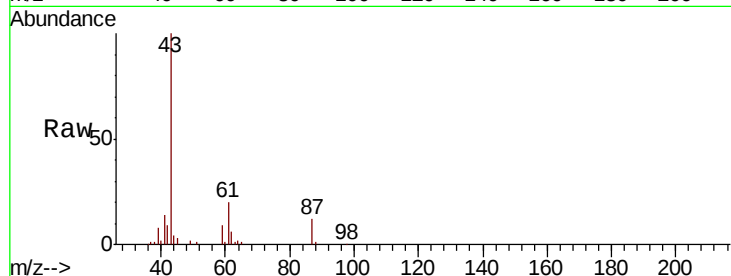
Tot Ion: 43 Resp: 89819

Ion Ratio Lower Upper

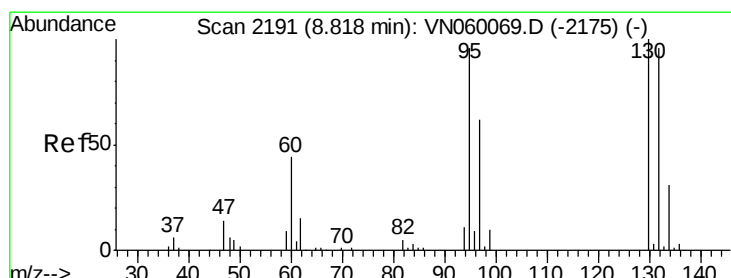
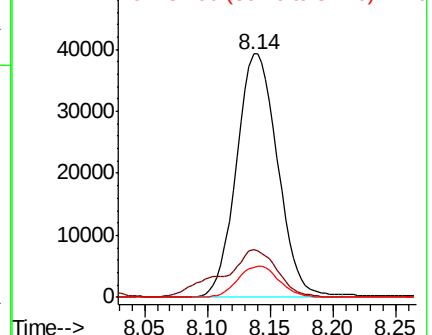
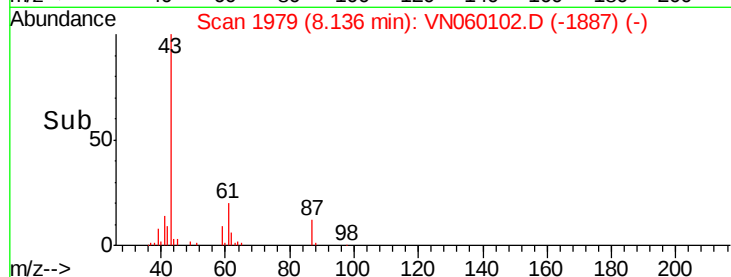
43 100

61 26.1 21.8 32.6

87 12.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)



#44

Trichloroethene

Concen: 19.014 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060102.D

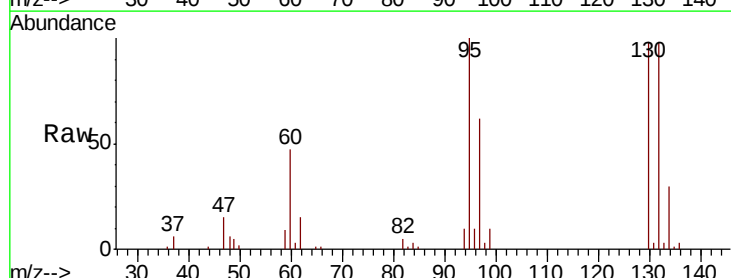
Acq: 14 Feb 2020 11:39

Tgt Ion:130 Resp: 41685

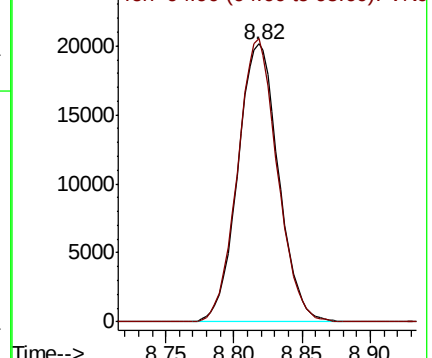
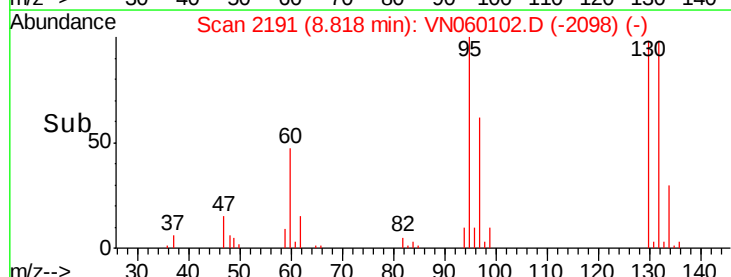
Ion Ratio Lower Upper

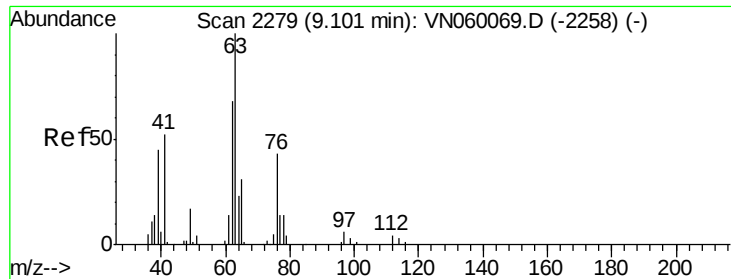
130 100

95 101.9 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)

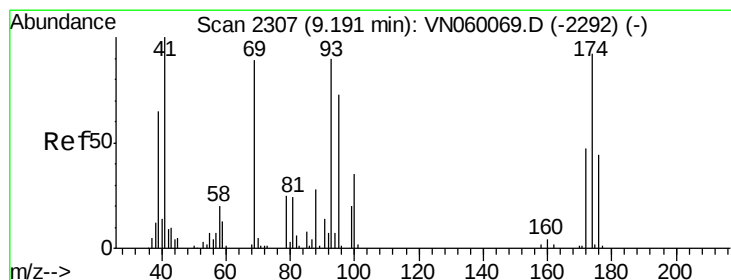
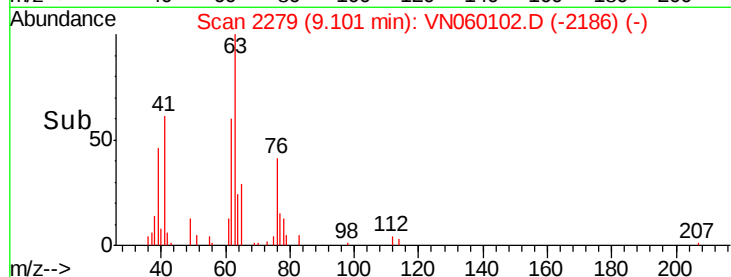
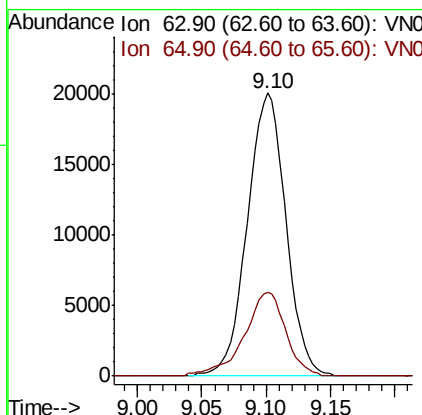
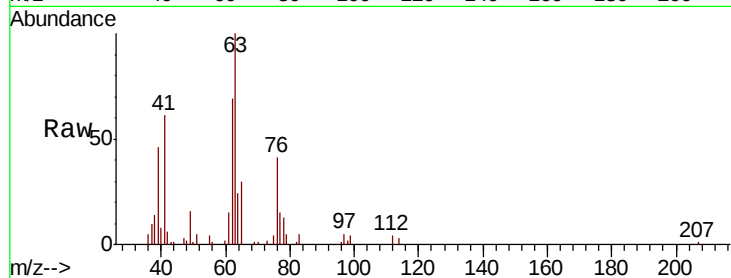




#45
 1,2-Dichloropropane
 Concen: 21.403 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

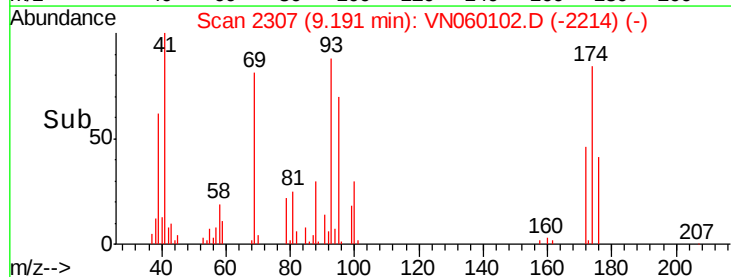
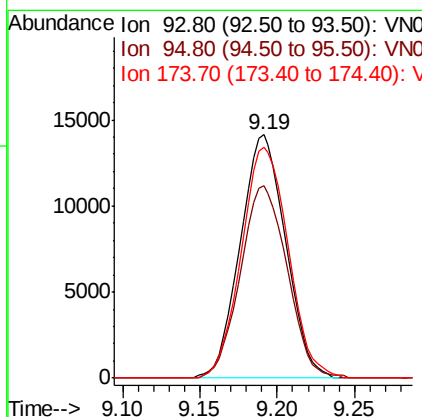
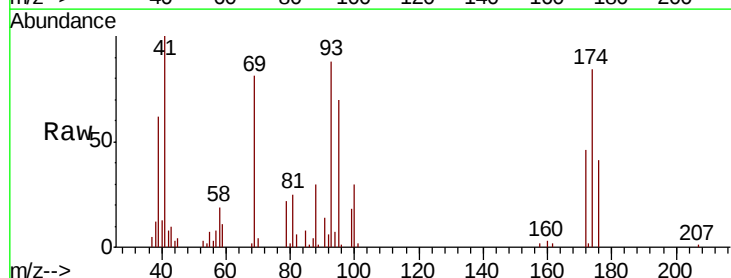
Instrument :
 MSVOA_N
 ClientSampled :

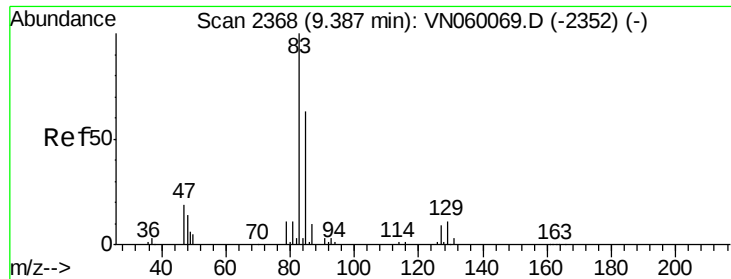
Tot Ion: 63 Resp: 41954
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.4



#46
 Dibromomethane
 Concen: 20.842 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 93 Resp: 28871
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.0 97.6
 174 97.9 82.3 123.5

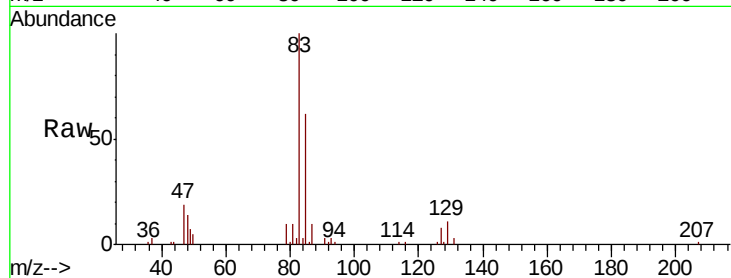




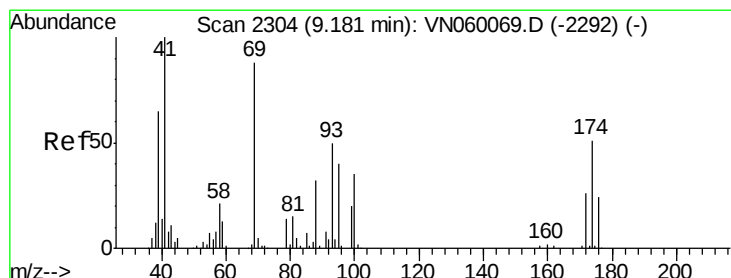
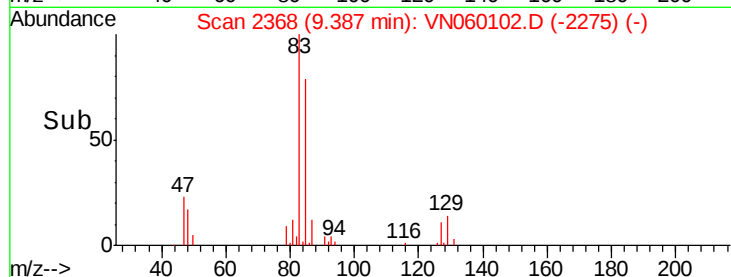
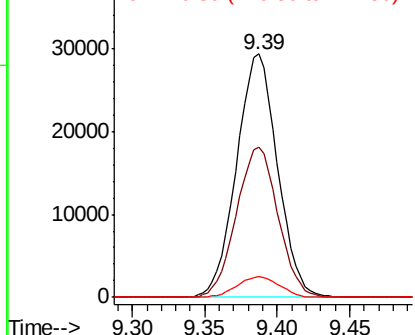
#47
 Bromodichloromethane
 Concen: 20.477 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 57669
 Ion Ratio Lower Upper
 83 100
 85 61.8 50.6 75.8
 127 8.4 7.0 10.6

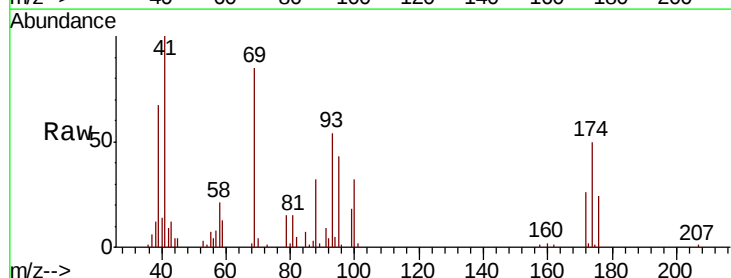


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

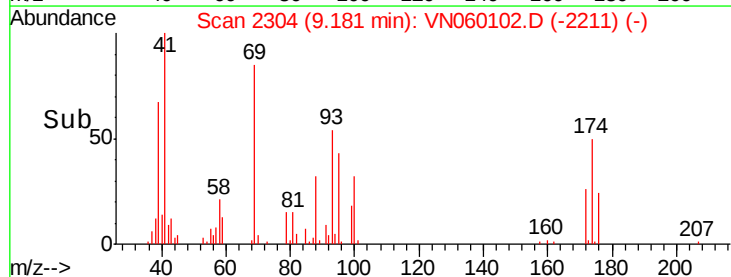
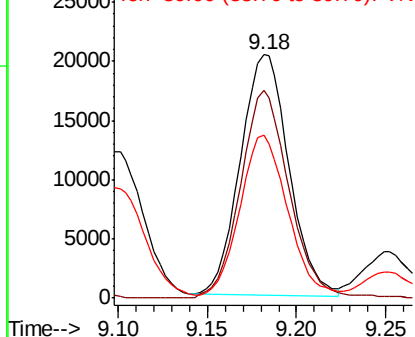


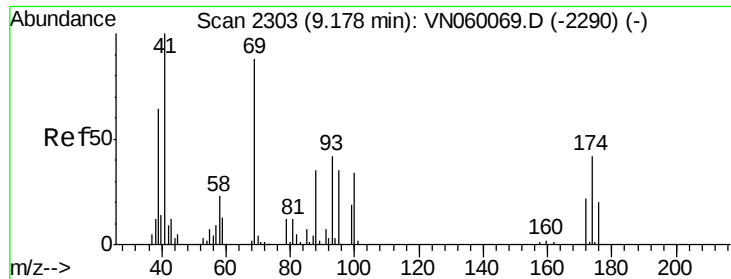
#48
 Methyl methacrylate
 Concen: 20.906 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 41 Resp: 38678
 Ion Ratio Lower Upper
 41 100
 69 86.6 72.0 108.0
 39 68.0 54.1 81.1



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

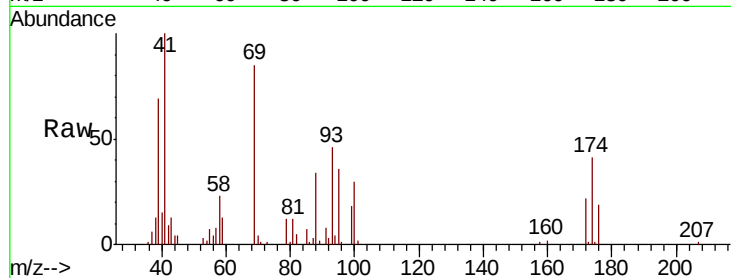




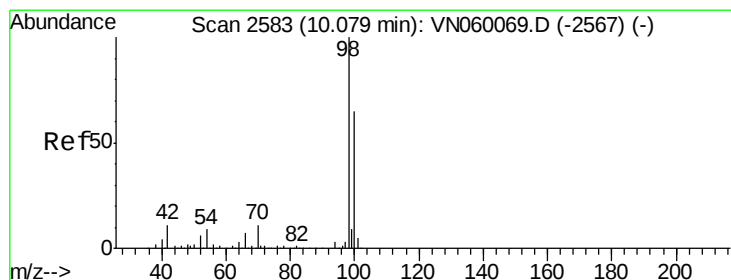
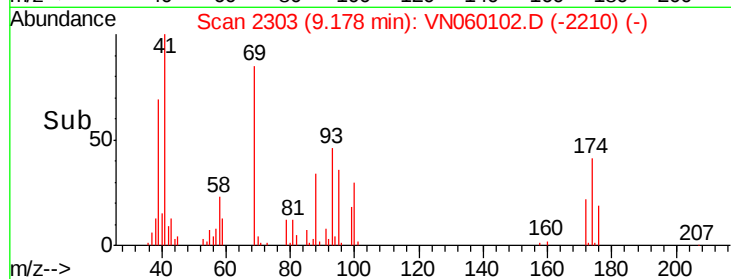
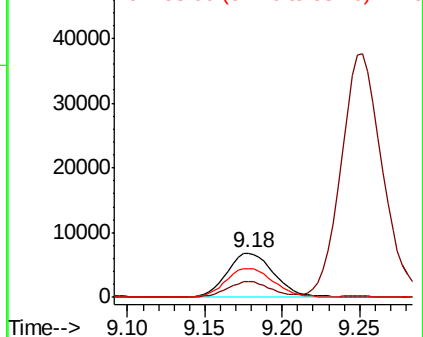
#49
1,4-Dioxane
Concen: 456.112 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 14418
Ion Ratio Lower Upper
88 100
43 33.0 26.2 39.2
58 66.2 53.2 79.8

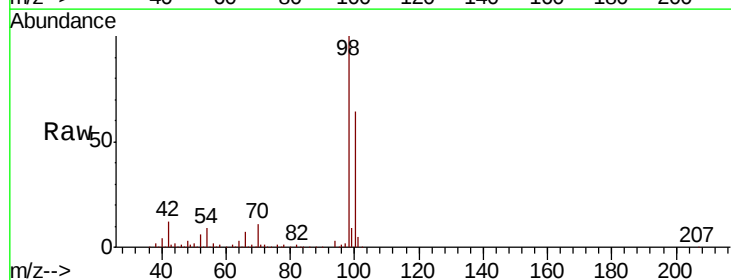


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

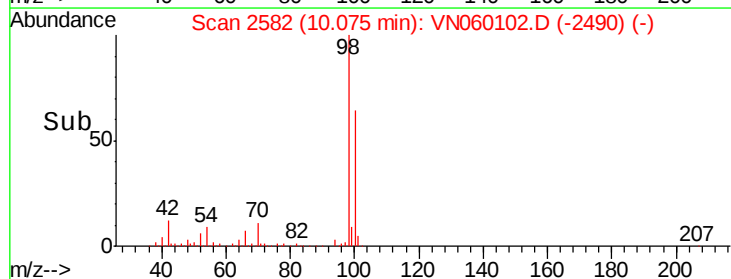
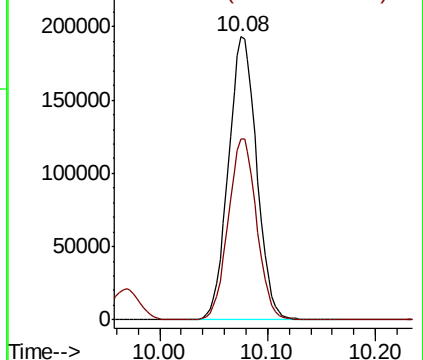


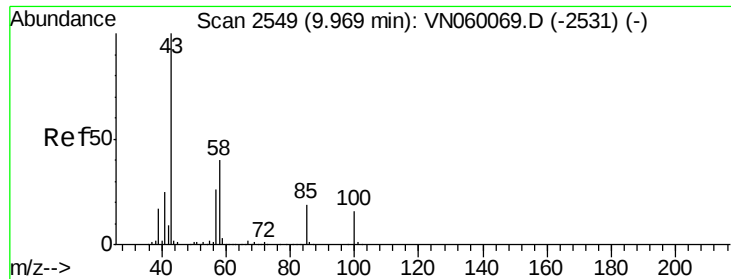
#50
Toluene-d8
Concen: 50.687 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 98 Resp: 353563
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



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: 108.551 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

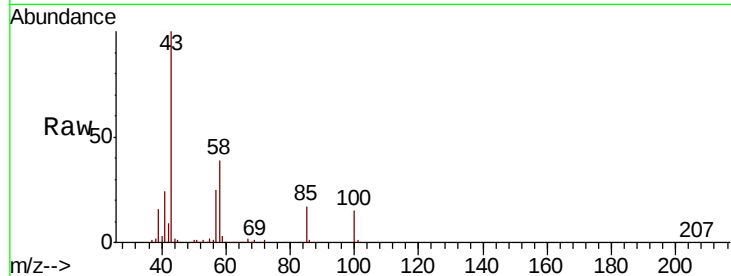
ClientSampleId :

Tot Ion: 43 Resp: 259088

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

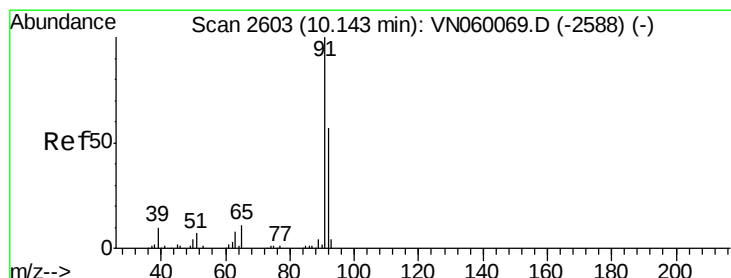
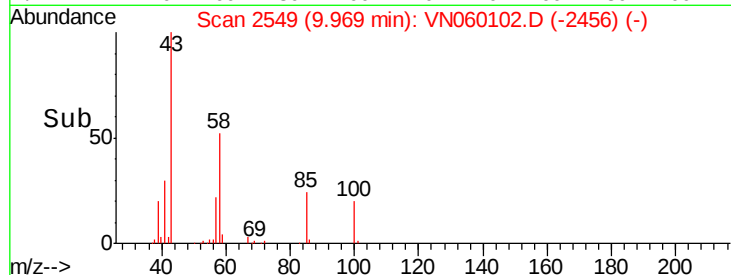
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.617 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060102.D

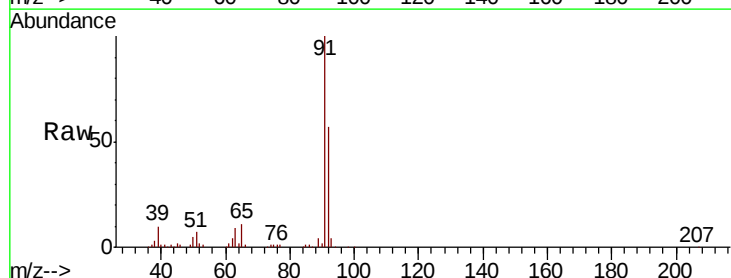
Acq: 14 Feb 2020 11:39

Tgt Ion: 92 Resp: 99598

Ion Ratio Lower Upper

92 100

91 175.2 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

100000

80000

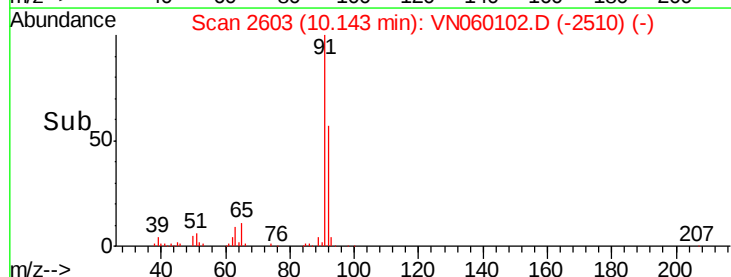
60000

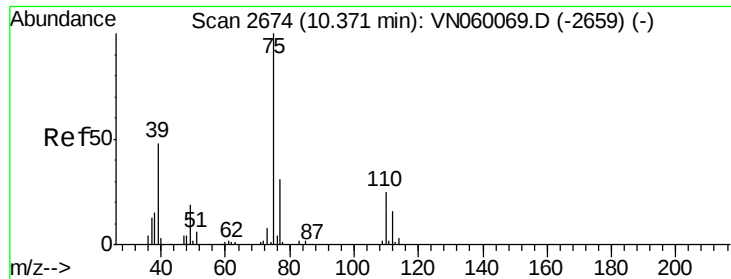
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.999 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

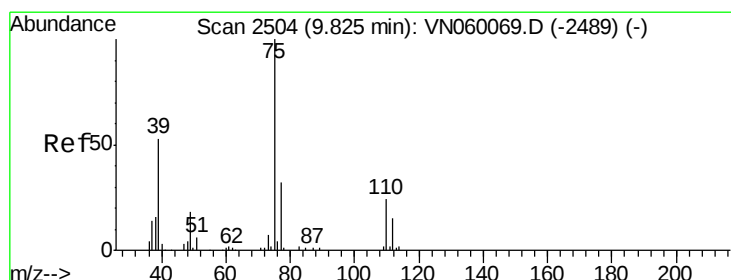
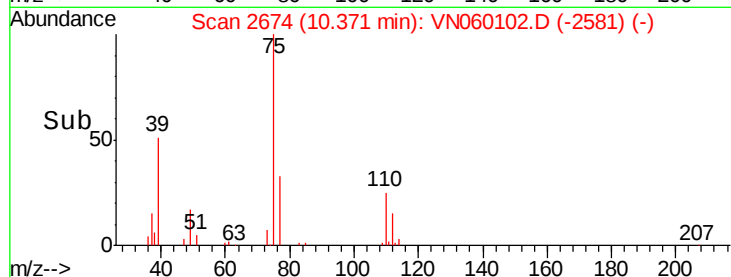
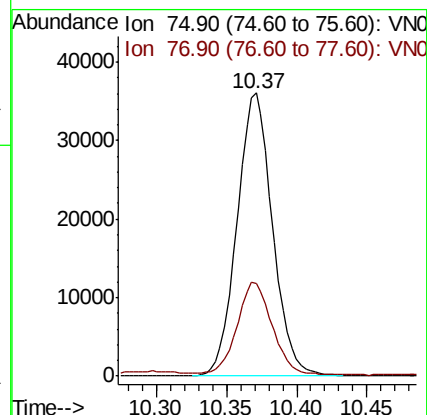
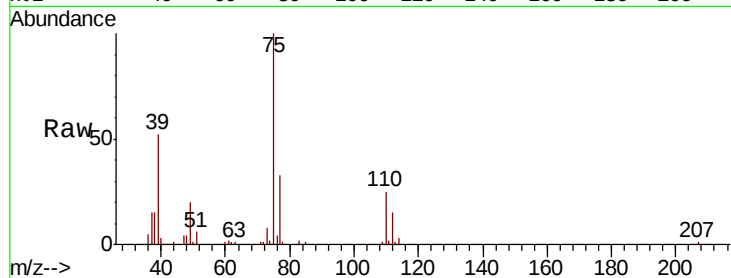
ClientSampleId :

Tot Ion: 75 Resp: 63574

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.004 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

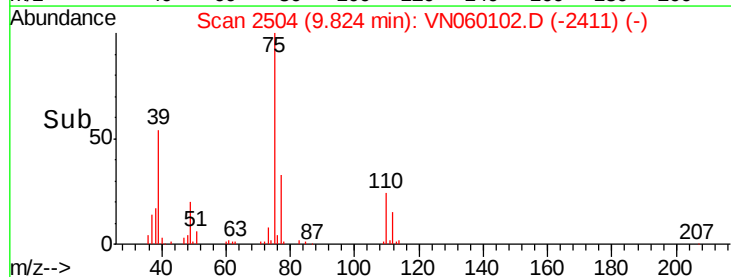
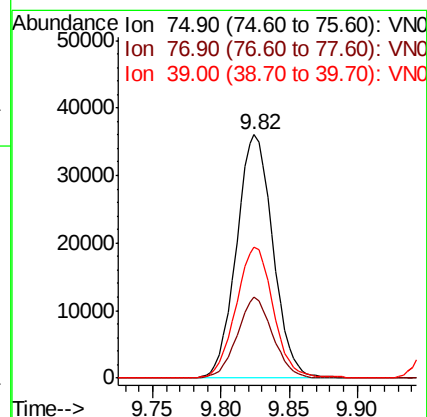
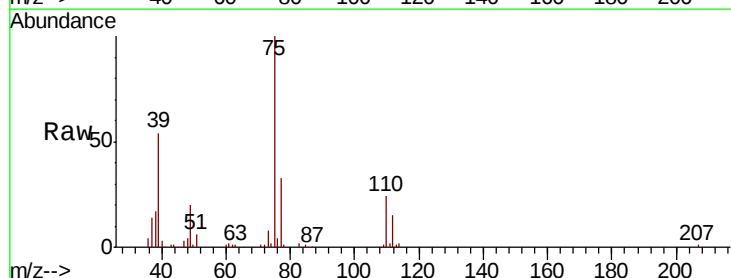
Tgt Ion: 75 Resp: 66962

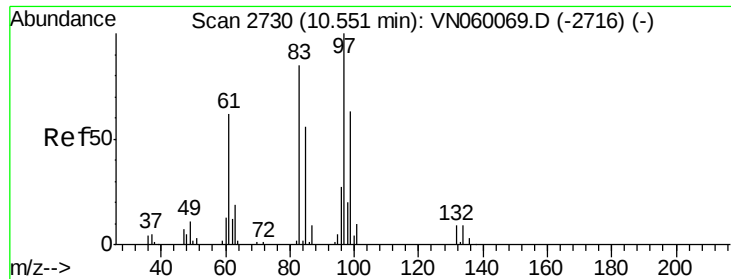
Ion Ratio Lower Upper

75 100

77 33.1 25.6 38.4

39 54.0 42.2 63.4

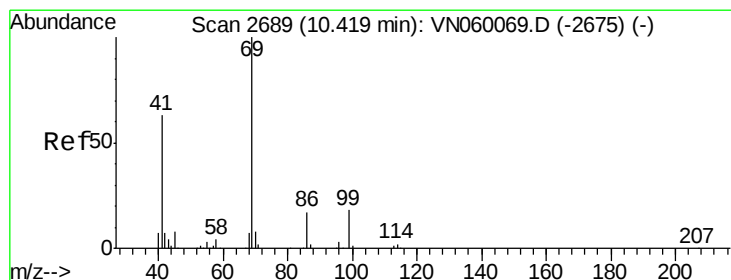
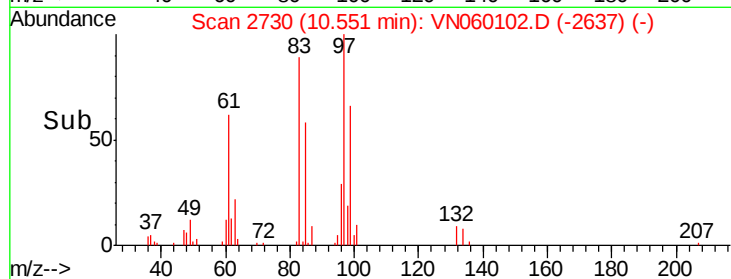
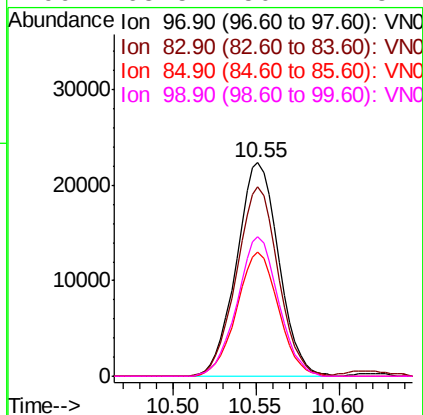
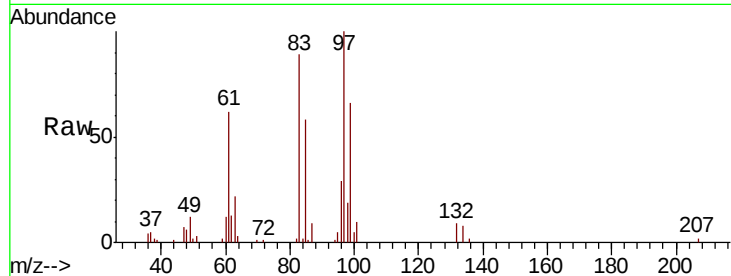




#55
 1,1,2-Trichloroethane
 Concen: 20.056 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

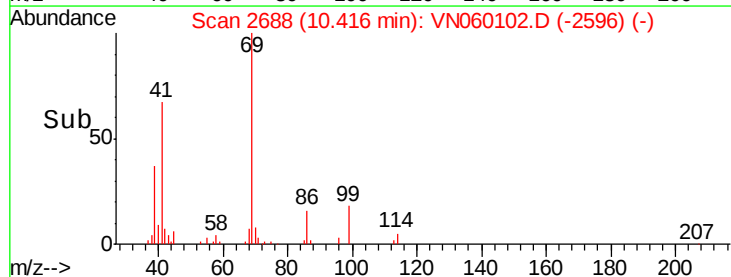
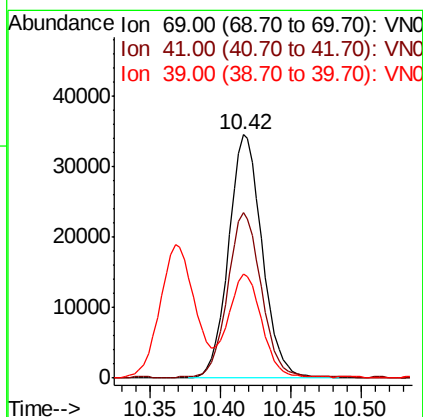
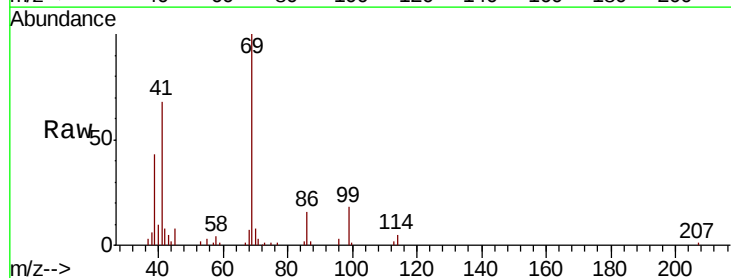
Instrument :
 MSVOA_N
 ClientSampleId :

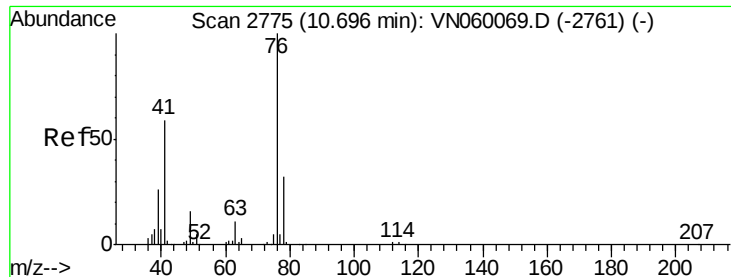
Tot Ion:	97	Resp:	39726
Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.9	101.9
85	58.4	44.6	67.0
99	65.5	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 20.554 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion:	69	Resp:	57592
Ion	Ratio	Lower	Upper
69	100		
41	68.9	51.1	76.7
39	43.8	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.512 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

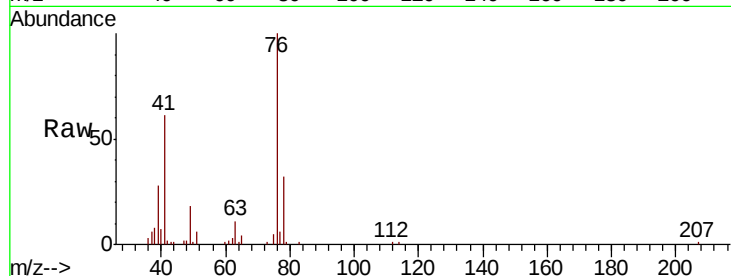
ClientSampled :

Tot Ion: 76 Resp: 67041

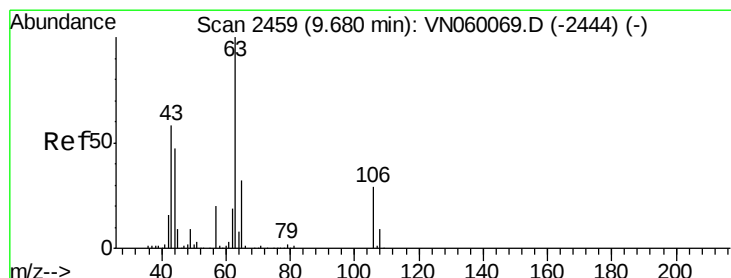
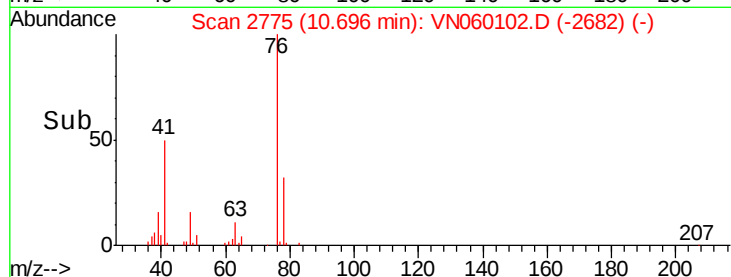
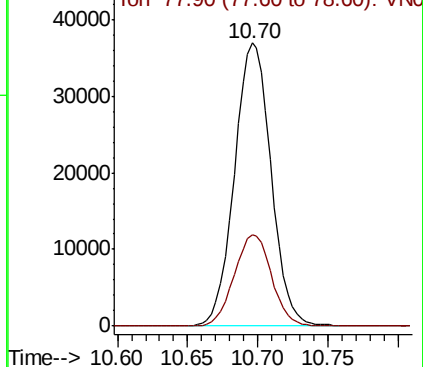
Ion Ratio Lower Upper

76 100

78 32.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060102.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 108.973 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060102.D

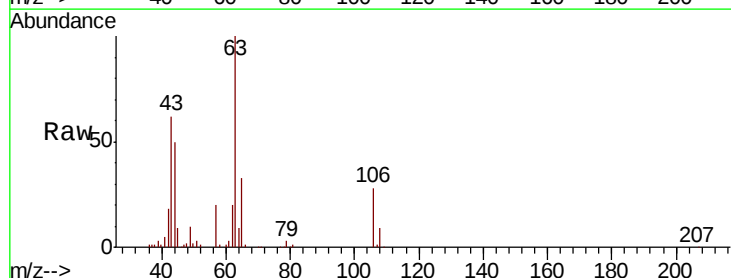
Acq: 14 Feb 2020 11:39

Tgt Ion: 63 Resp: 142251

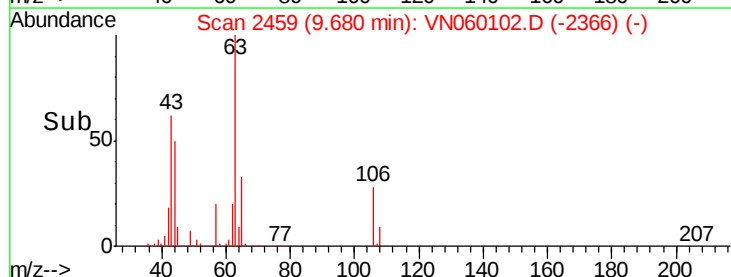
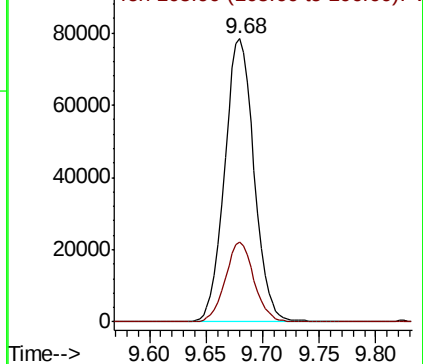
Ion Ratio Lower Upper

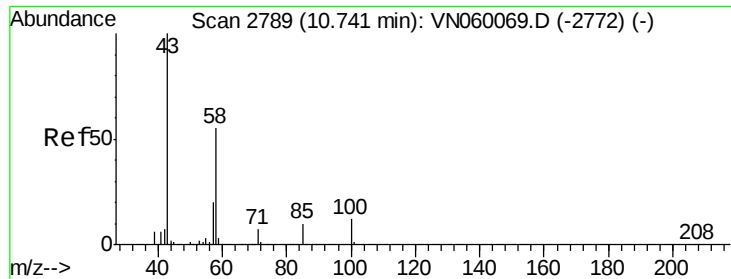
63 100

106 27.4 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060102.D (-2366) (-)

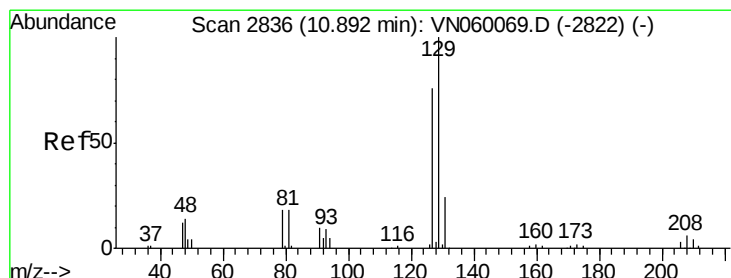
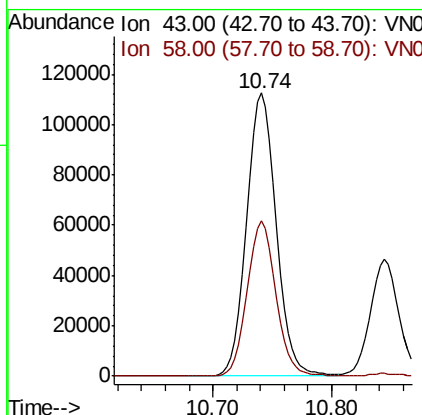
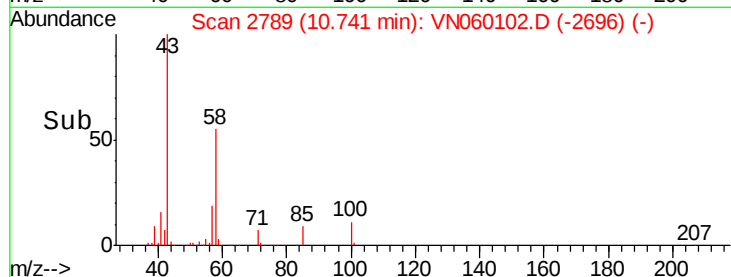
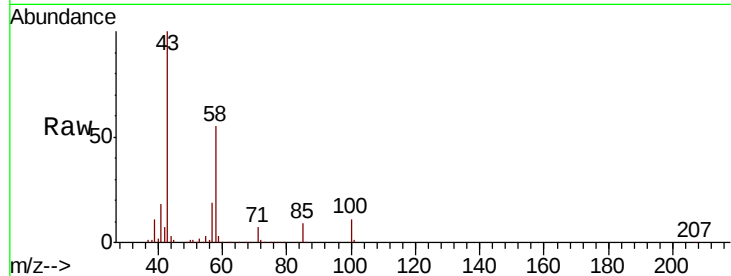




#59
2-Hexanone
Concen: 105.352 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

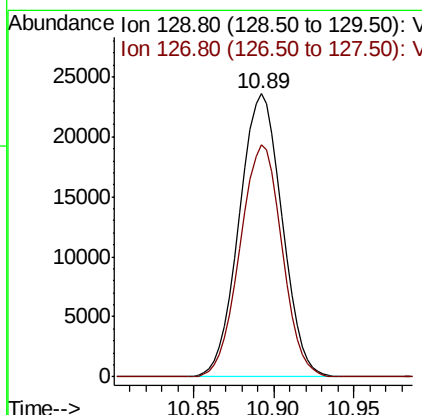
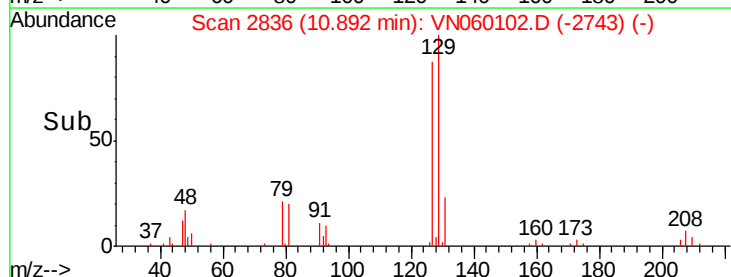
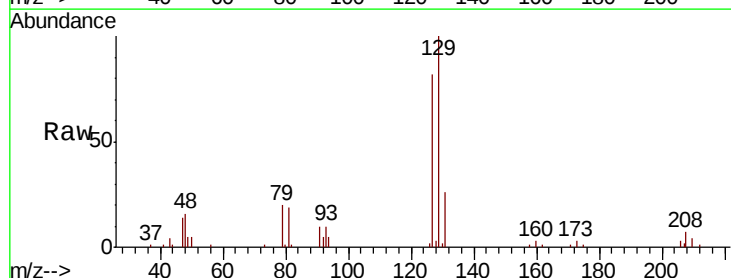
Instrument :
MSVOA_N
ClientSampleId :

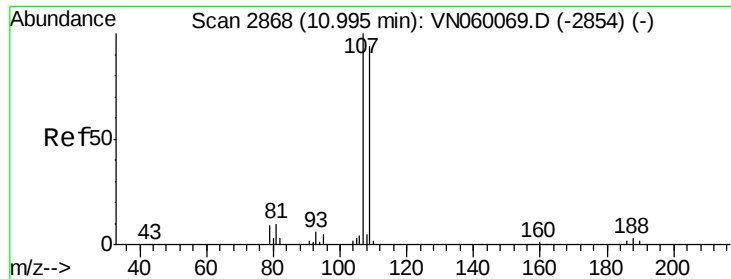
Tot Ion: 43 Resp: 194240
Ion Ratio Lower Upper
43 100
58 53.4 27.5 82.4



#60
Dibromochloromethane
Concen: 18.992 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 129 Resp: 43168
Ion Ratio Lower Upper
129 100
127 80.2 38.0 114.1

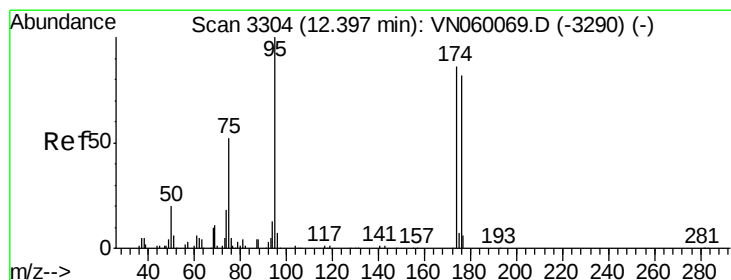
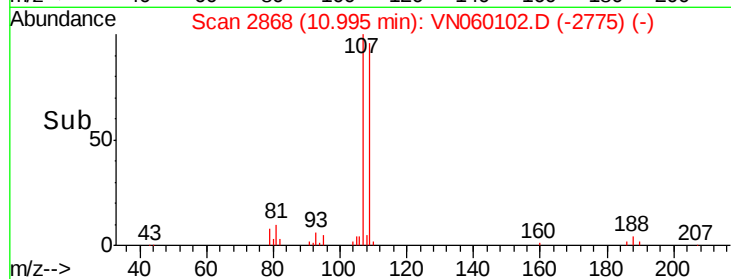
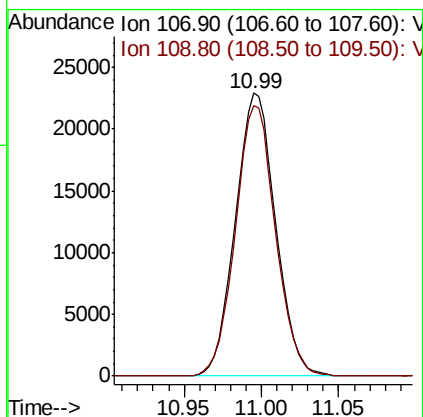
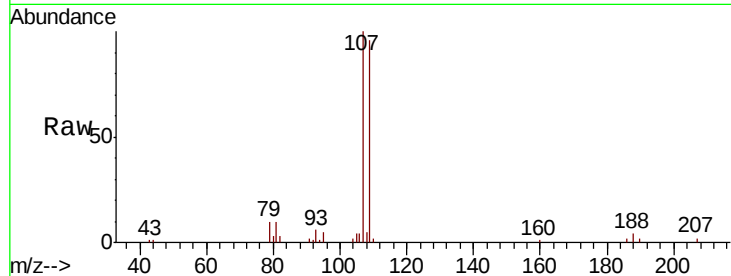




#61
 1,2-Dibromoethane
 Concen: 19.942 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

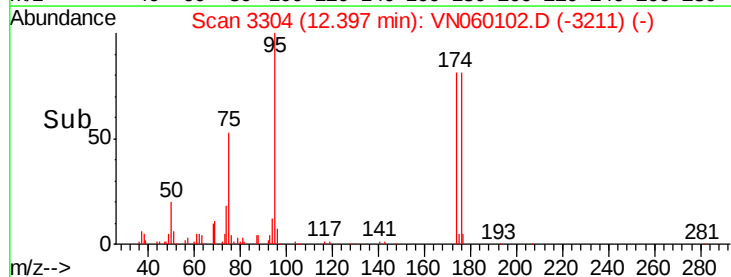
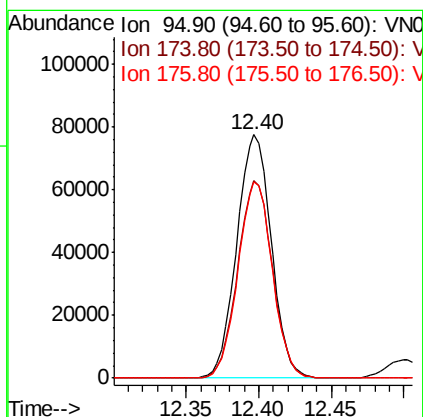
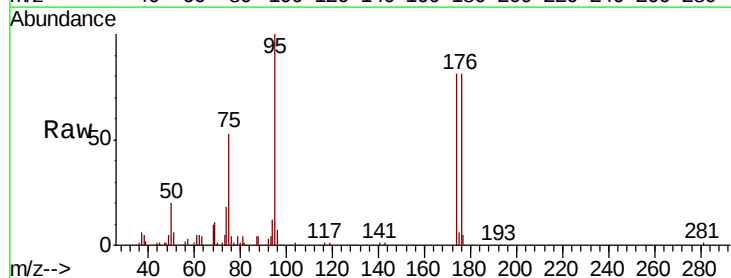
Instrument :
 MSVOA_N
 ClientSampled :

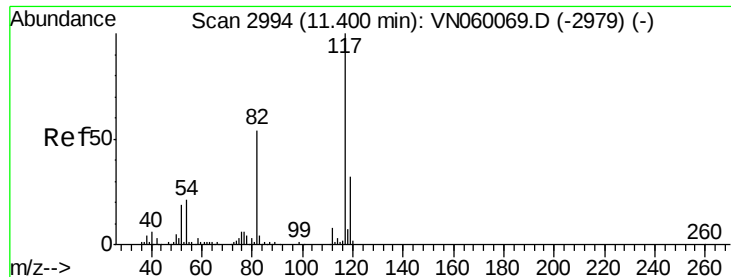
Tot Ion:107 Resp: 41408
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.191 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 95 Resp: 128648
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 169.8
 176 80.2 0.0 164.8

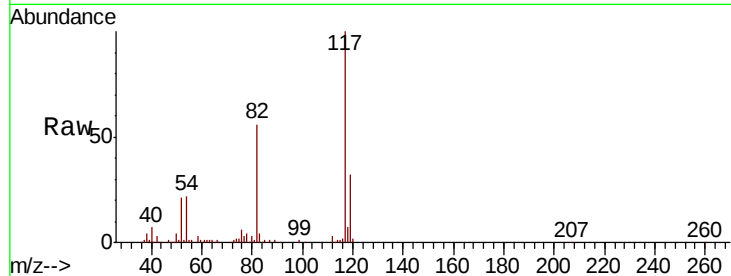




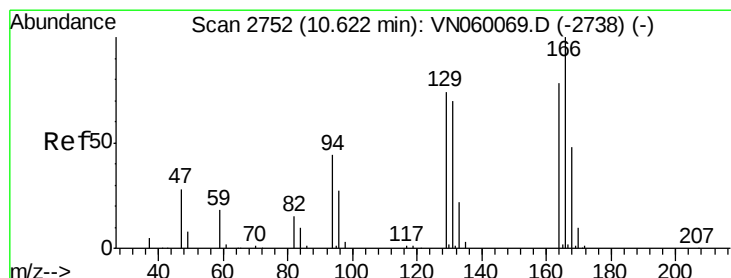
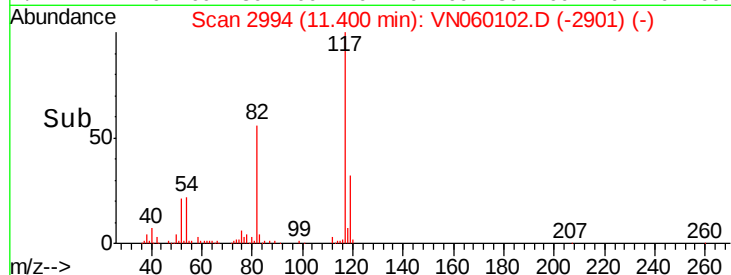
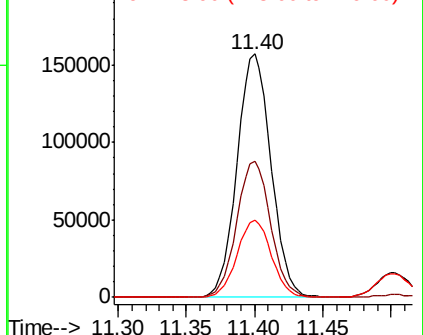
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 272182
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 31.8 25.8 38.6

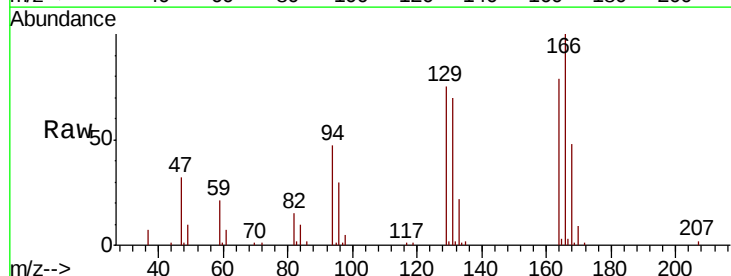


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

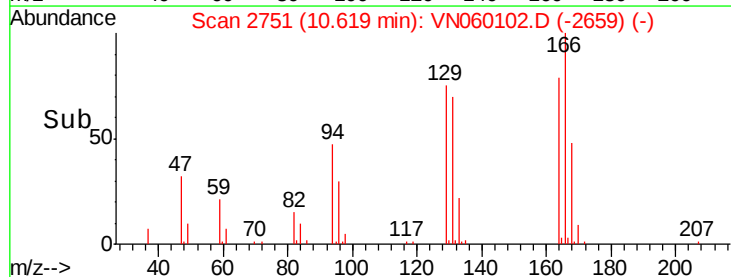
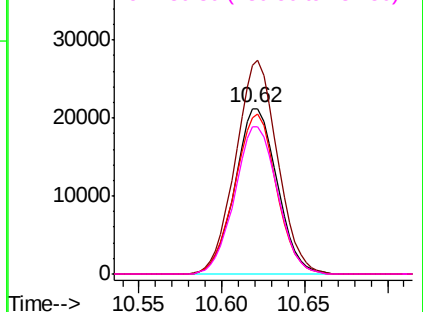


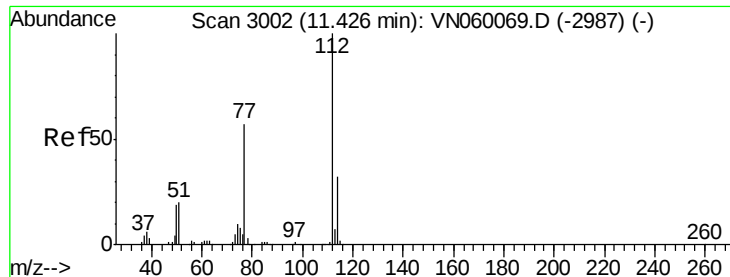
#64
Tetrachloroethene
Concen: 18.225 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion:164 Resp: 37709
Ion Ratio Lower Upper
164 100
166 126.0 101.9 152.9
129 94.5 75.4 113.0
131 88.7 71.4 107.2



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

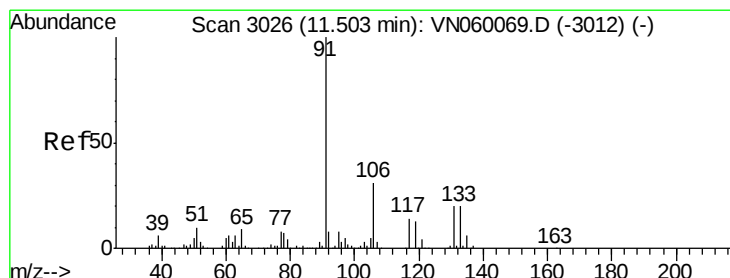
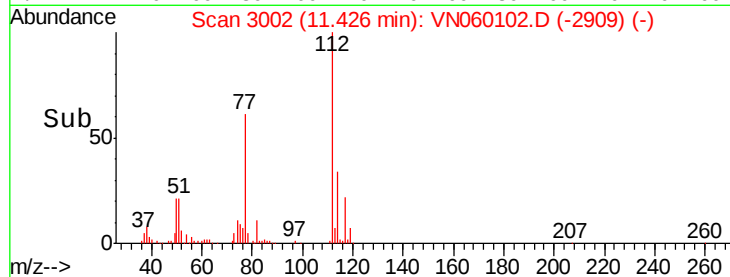
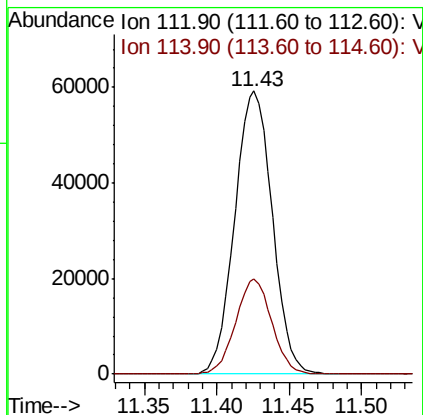
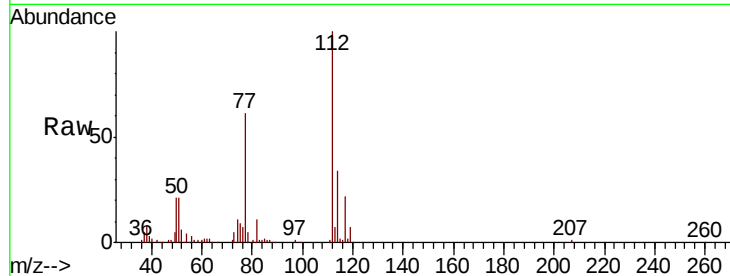




#65
Chlorobenzene
Concen: 19.223 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

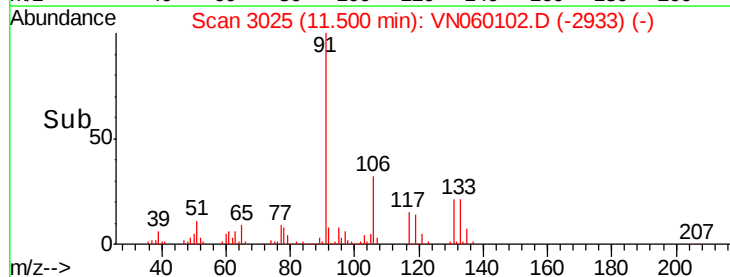
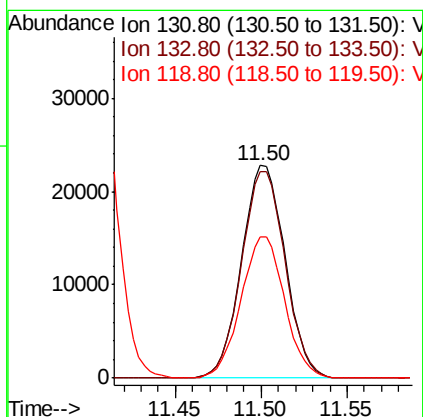
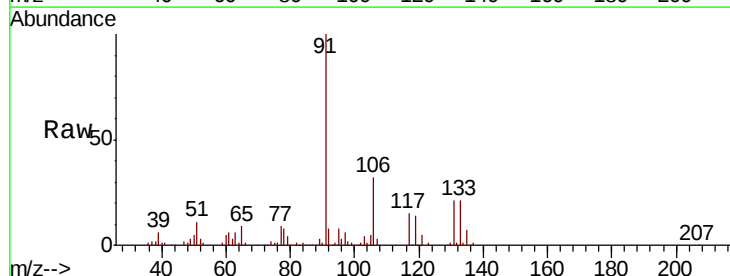
Instrument :
MSVOA_N
ClientSampleId :

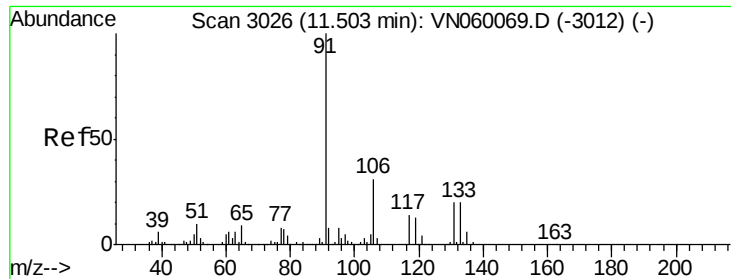
Tot Ion:112 Resp: 106598
Ion Ratio Lower Upper
112 100
114 33.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.065 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion:131 Resp: 39993
Ion Ratio Lower Upper
131 100
133 97.7 47.9 143.7
119 66.5 32.6 97.7





#67

Ethyl Benzene

Concen: 19.216 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

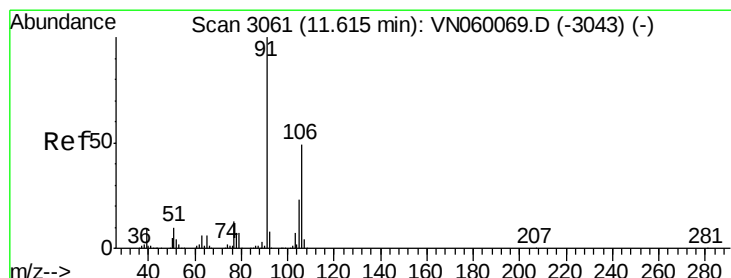
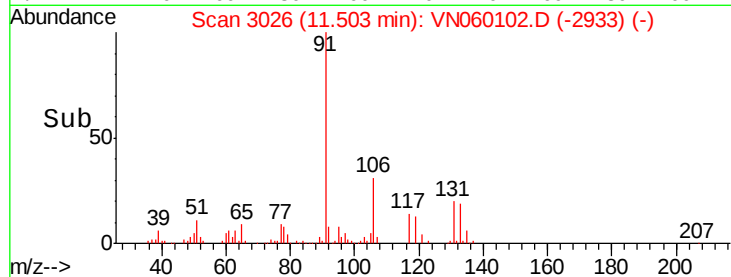
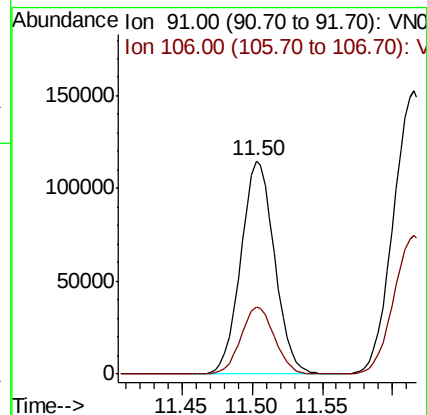
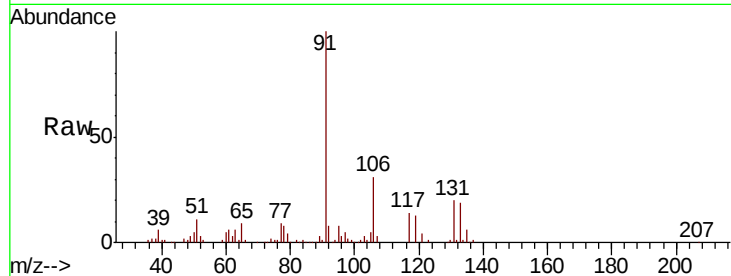
ClientSampleId :

Tot Ion: 91 Resp: 192184

Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7



#68

m/p-Xylenes

Concen: 38.275 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060102.D

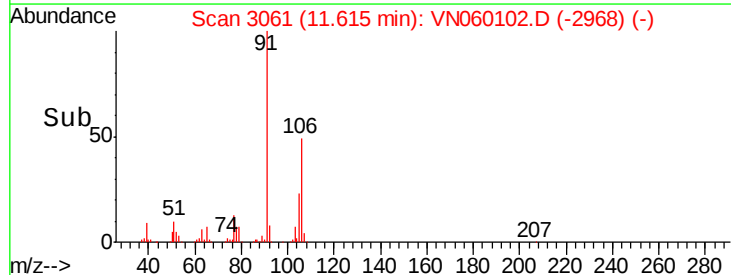
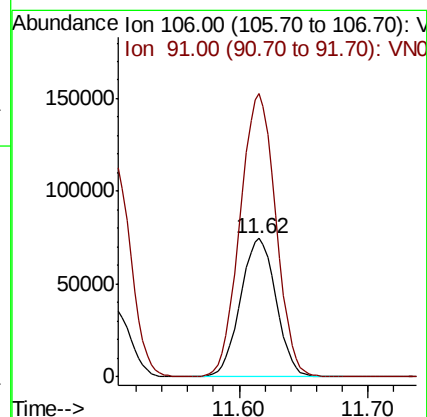
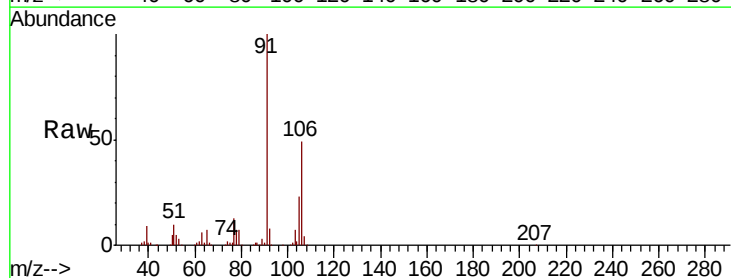
Acq: 14 Feb 2020 11:39

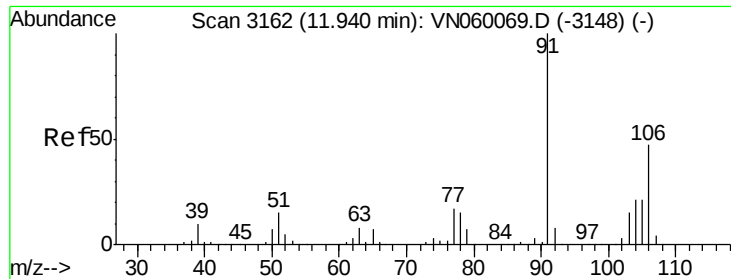
Tgt Ion: 106 Resp: 143673

Ion Ratio Lower Upper

106 100

91 204.2 162.7 244.1

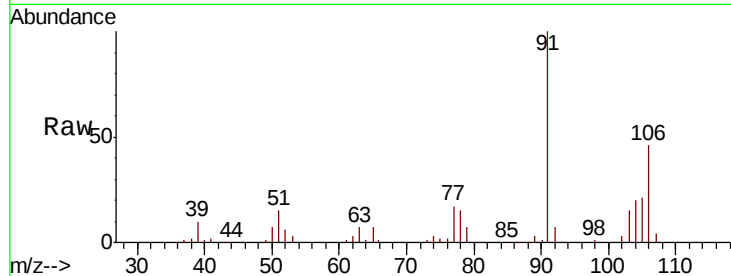




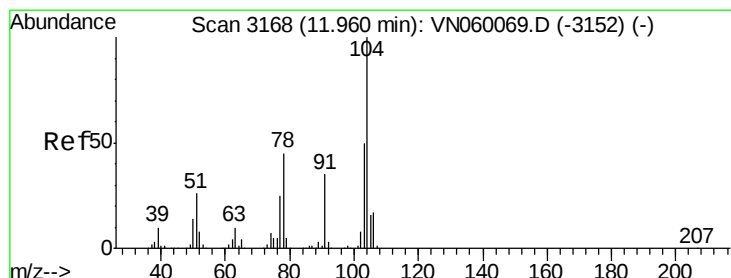
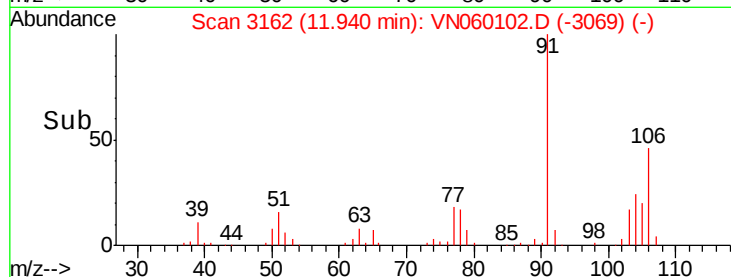
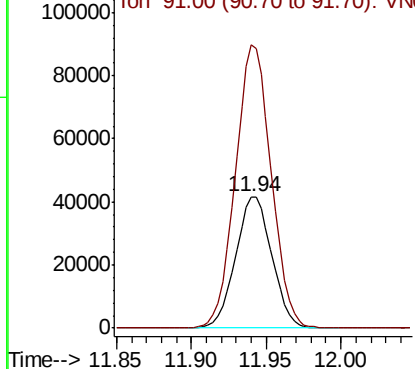
#69
o-Xylene
Concen: 19.398 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 70106
Ion Ratio Lower Upper
106 100
91 212.7 107.2 321.6

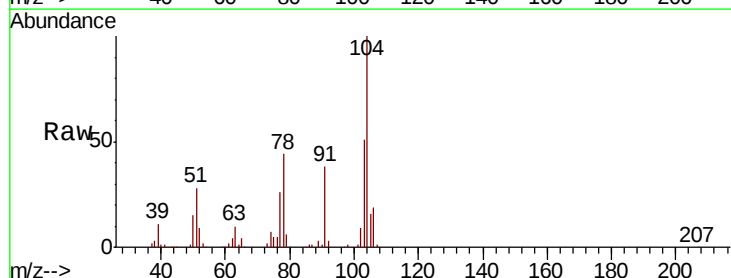


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

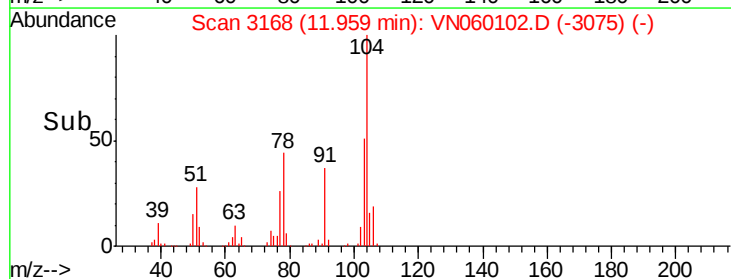
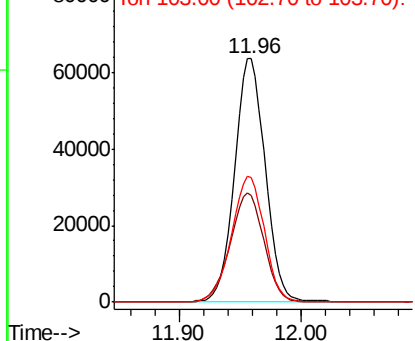


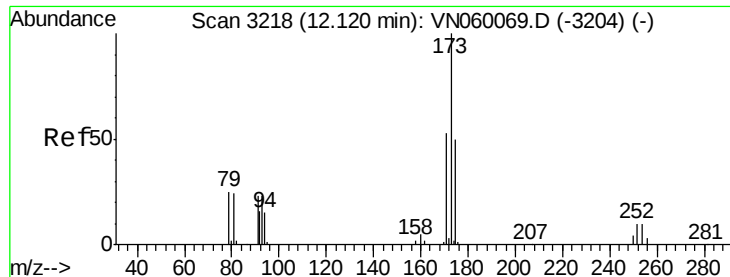
#70
Styrene
Concen: 18.982 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion:104 Resp: 110627
Ion Ratio Lower Upper
104 100
78 49.4 40.2 60.2
103 55.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.081 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

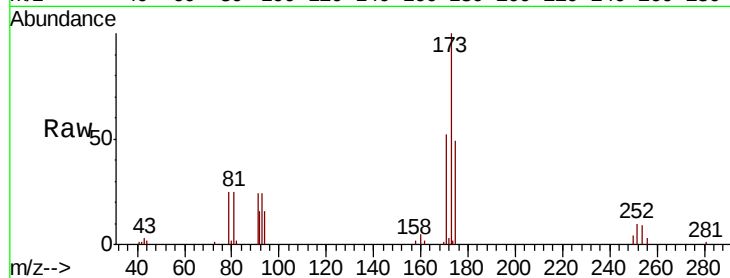
Tot Ion:173 Resp: 32195

Ion Ratio Lower Upper

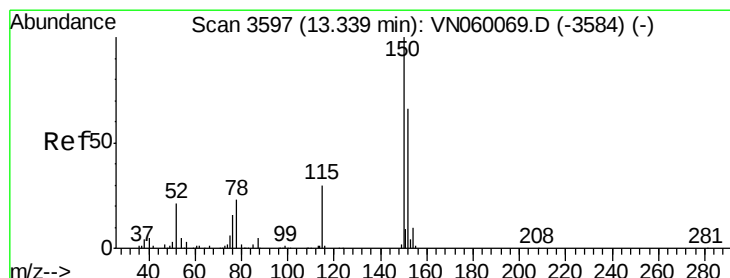
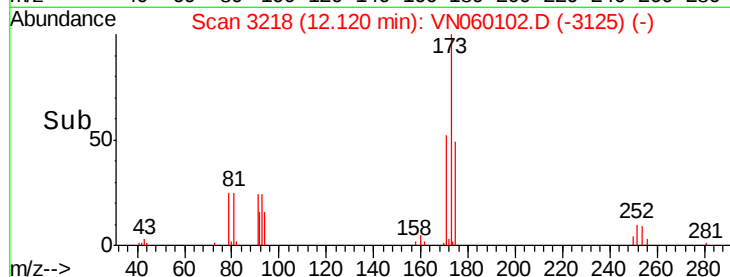
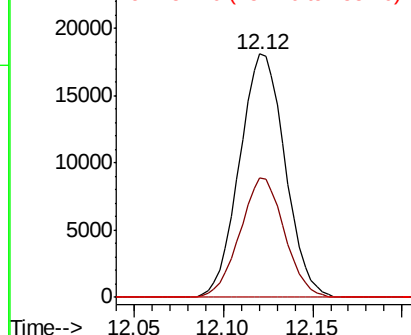
173 100

175 47.9 24.9 74.6

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: VN060102.D

Acq: 14 Feb 2020 11:39

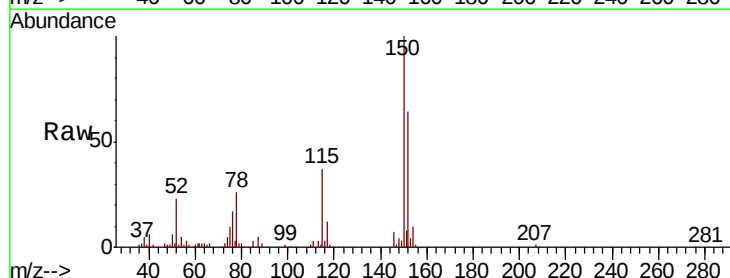
Tgt Ion:152 Resp: 128343

Ion Ratio Lower Upper

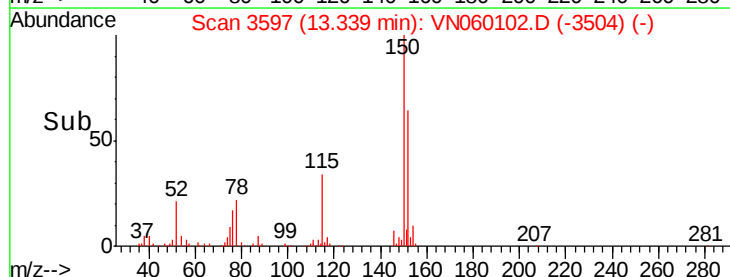
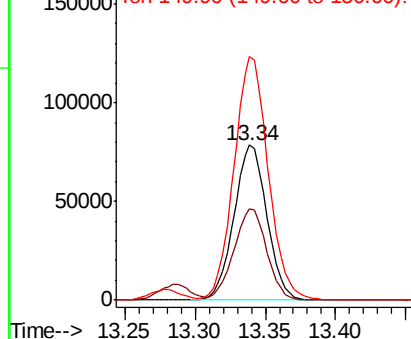
152 100

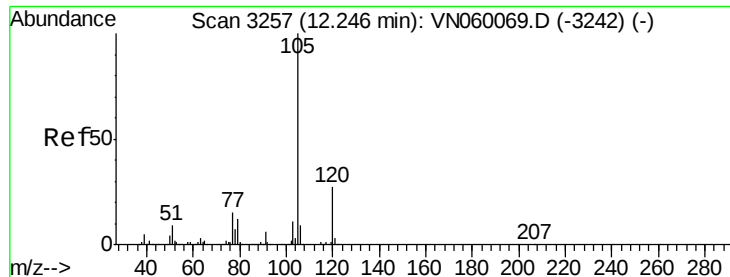
115 58.8 28.9 86.8

150 162.8 0.0 342.4



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





#73

Isopropylbenzene

Concen: 19.457 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

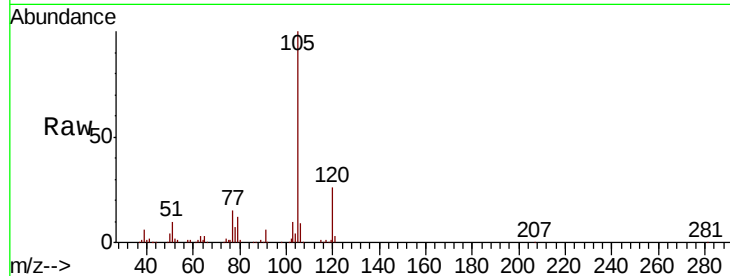
ClientSampleId :

Tot Ion:105 Resp: 186477

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

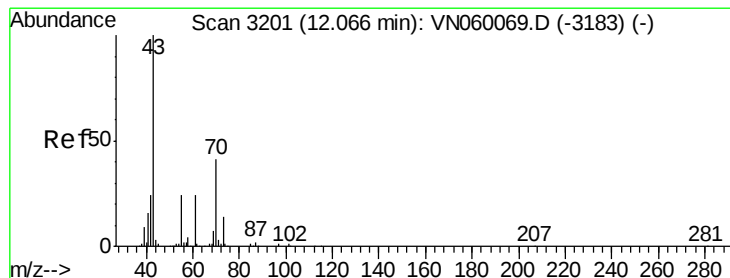
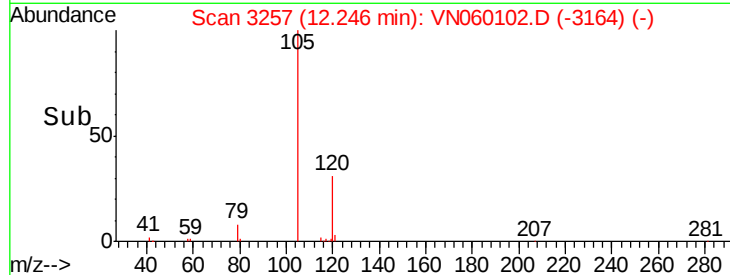
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.519 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion: 43 Resp: 74369

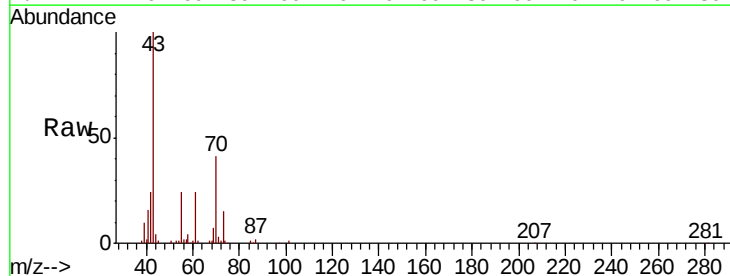
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 24.5 18.8 28.2

61 23.6 19.2 28.8



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

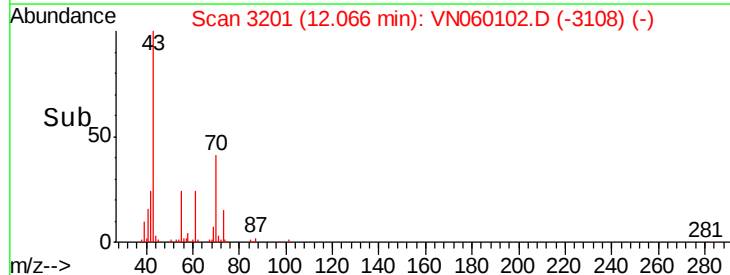
40000

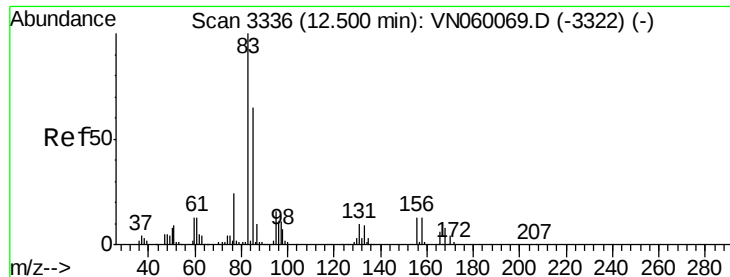
20000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.945 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

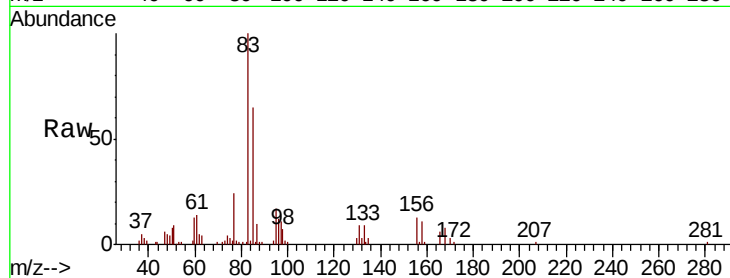
Tot Ion: 83 Resp: 57778

Ion Ratio Lower Upper

83 100

131 9.9 5.2 15.6

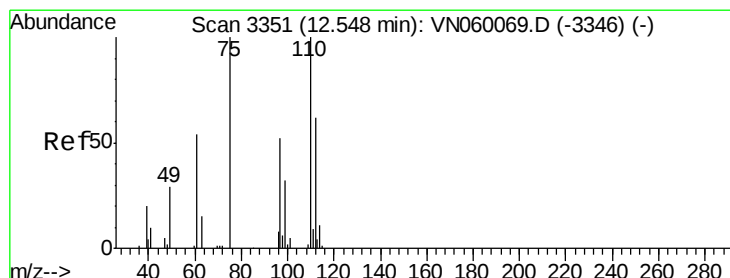
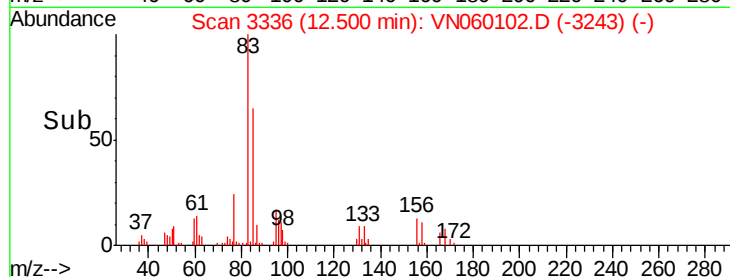
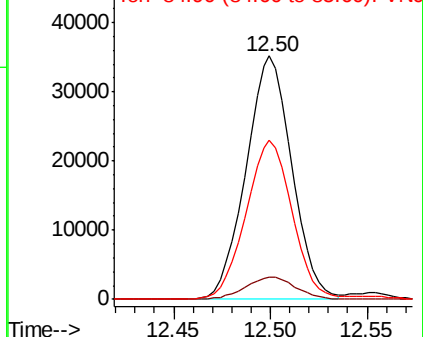
85 65.9 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060102.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060102.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060102.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 31.081 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060102.D

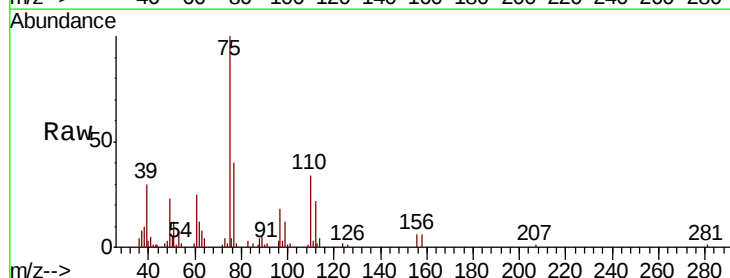
Acq: 14 Feb 2020 11:39

Tgt Ion: 75 Resp: 76319

Ion Ratio Lower Upper

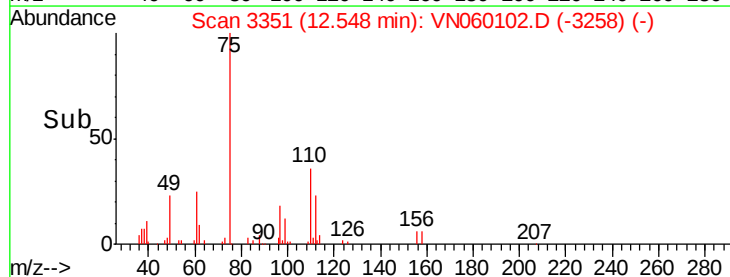
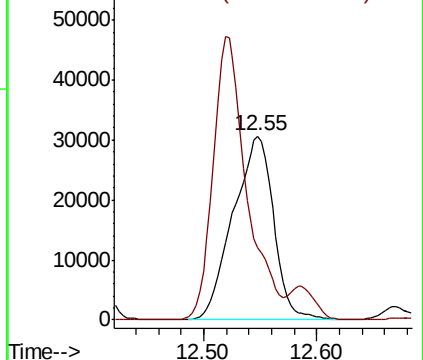
75 100

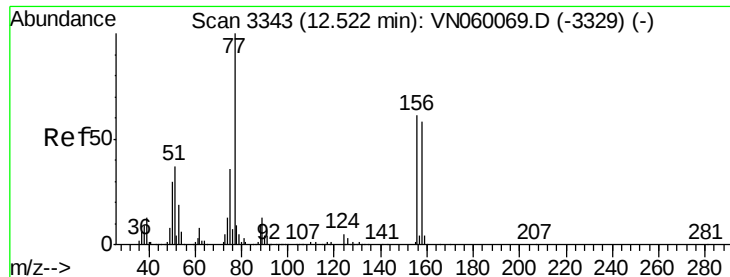
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060102.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060102.D (-3258) (-)





#77

Bromobenzene

Concen: 19.379 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

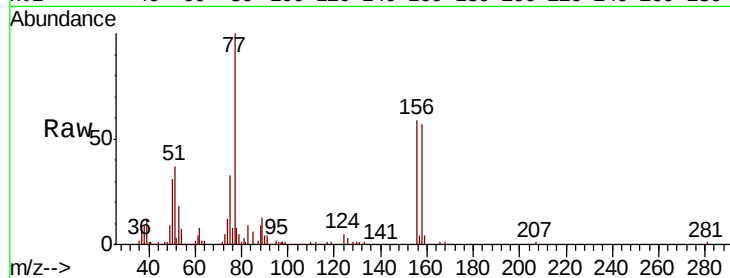
Tot Ion:156 Resp: 46091

Ion Ratio Lower Upper

156 100

77 210.7 98.7 296.1

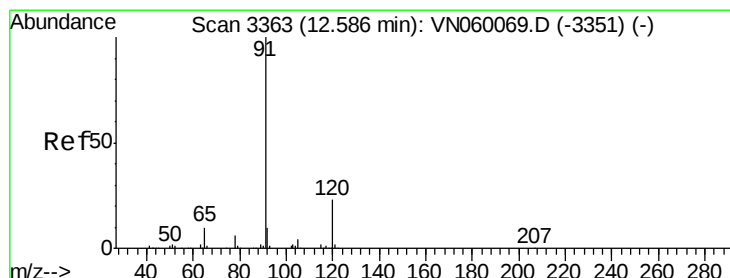
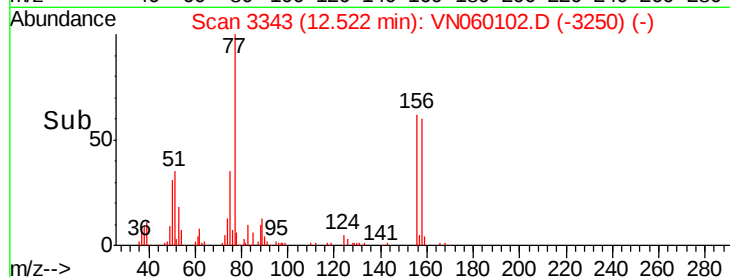
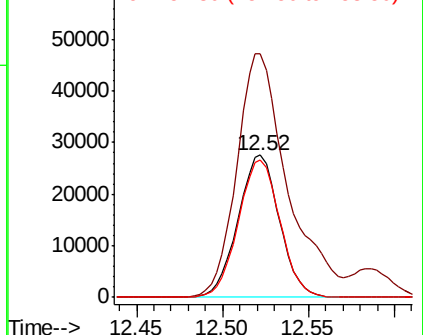
158 97.1 48.1 144.4



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: 19.574 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060102.D

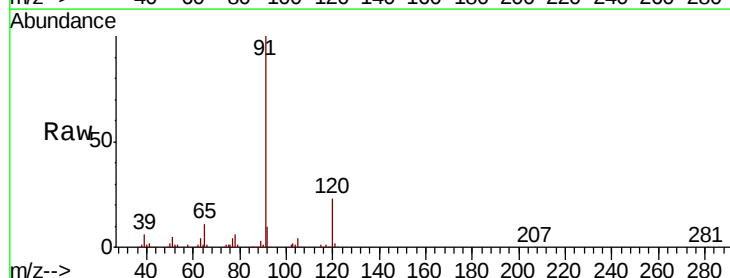
Acq: 14 Feb 2020 11:39

Tgt Ion: 91 Resp: 213730

Ion Ratio Lower Upper

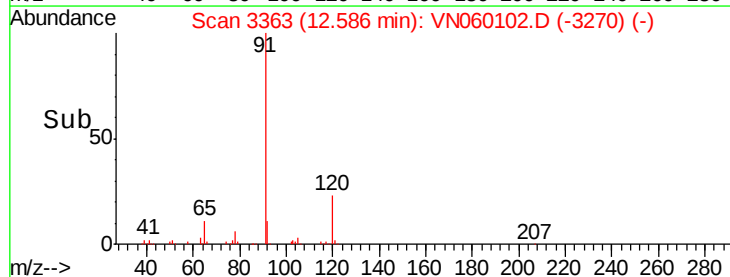
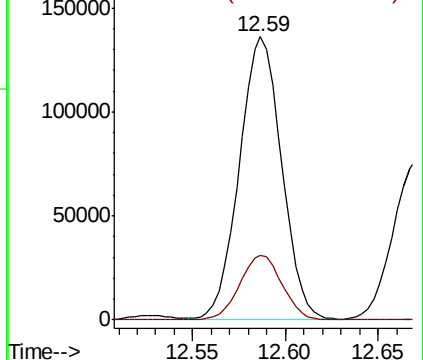
91 100

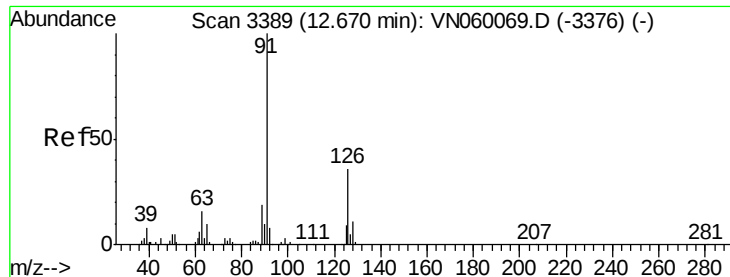
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.593 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

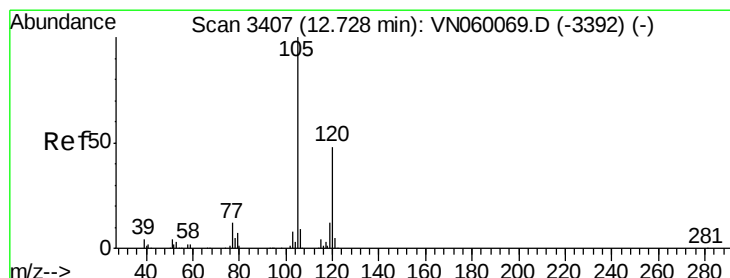
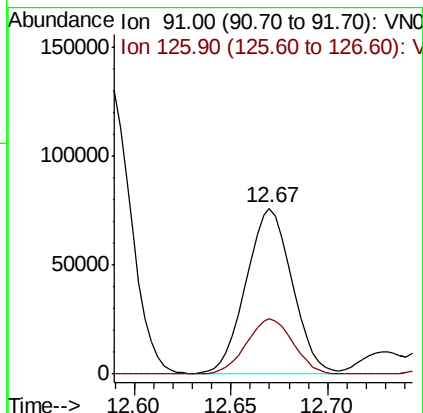
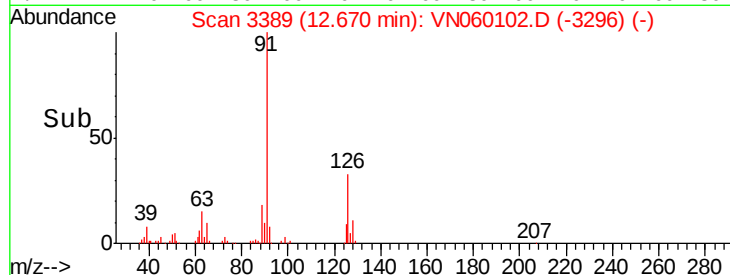
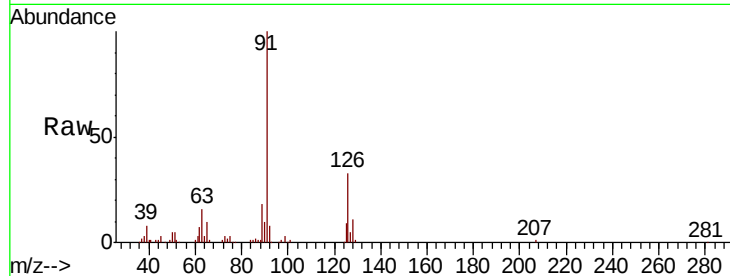
ClientSampleId :

Tot Ion: 91 Resp: 125747

Ion Ratio Lower Upper

91 100

126 34.0 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 19.784 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060102.D

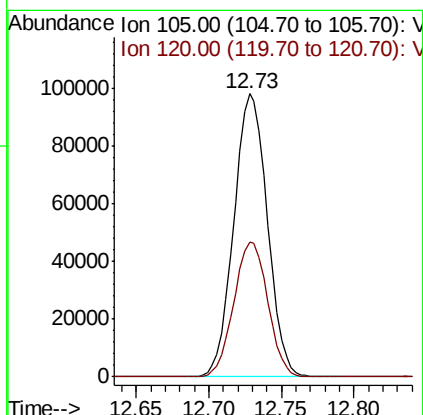
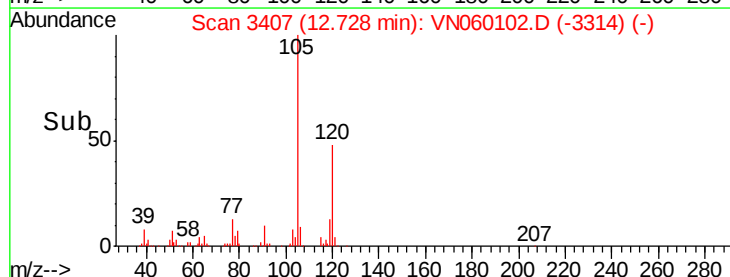
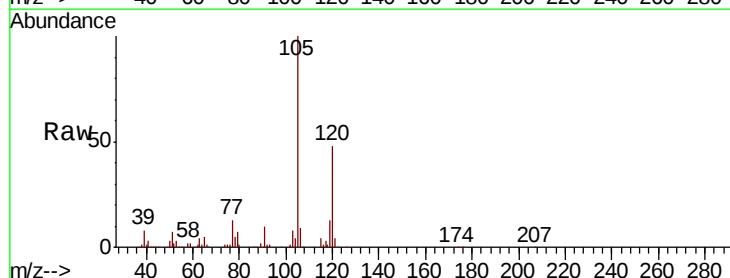
Acq: 14 Feb 2020 11:39

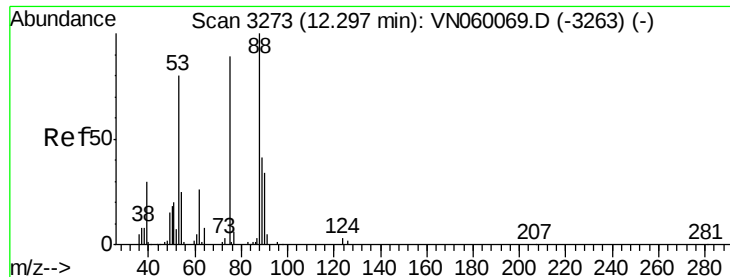
Tgt Ion: 105 Resp: 157649

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.355 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

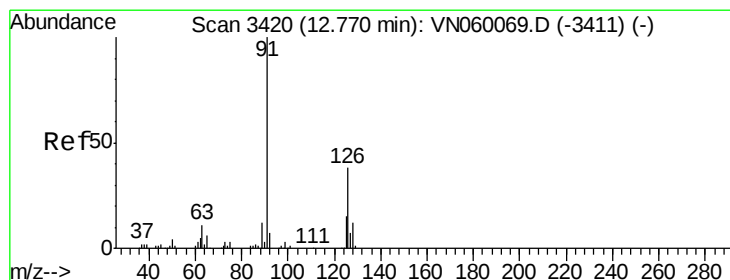
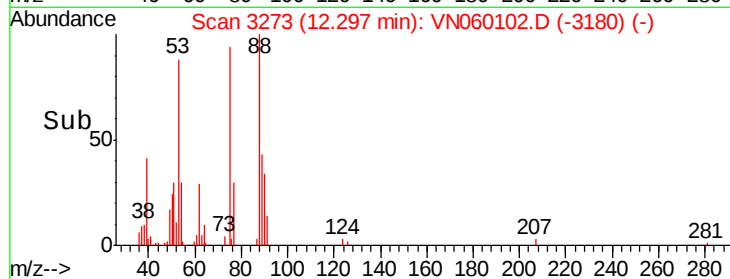
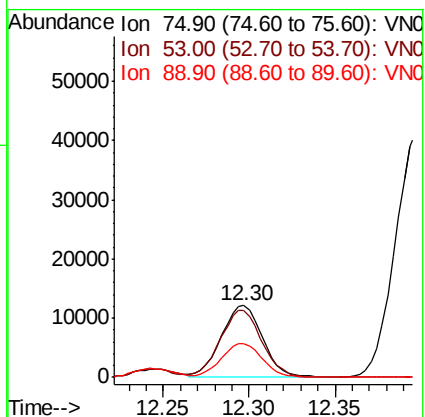
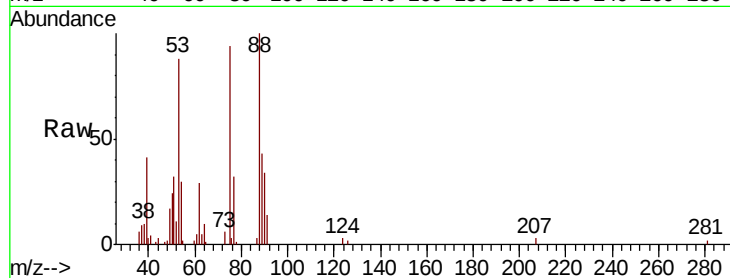
Tot Ion: 75 Resp: 20413

Ion Ratio Lower Upper

75 100

53 94.1 73.9 110.9

89 47.0 37.0 55.4



#82

4-Chlorotoluene

Concen: 19.795 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060102.D

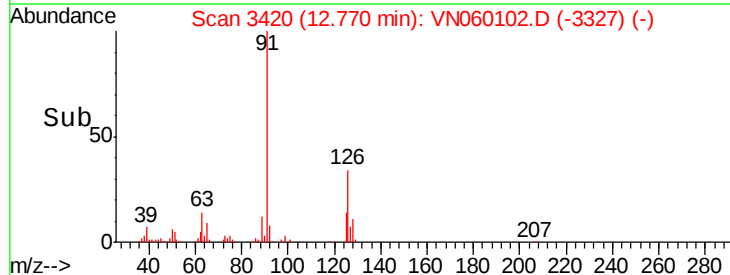
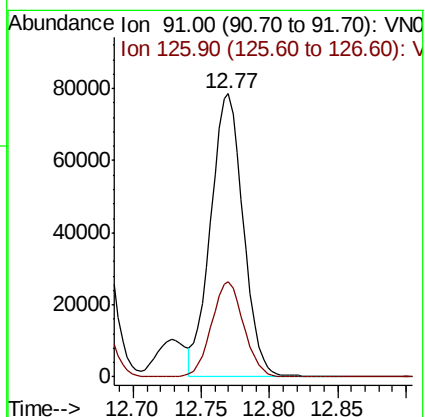
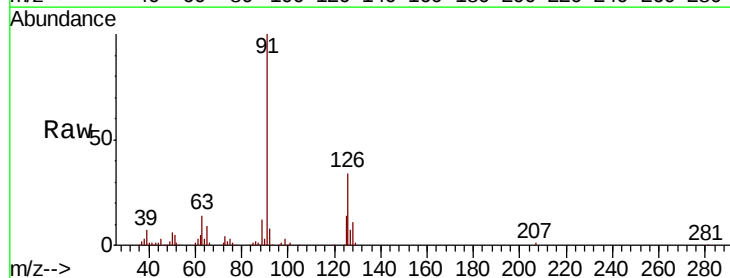
Acq: 14 Feb 2020 11:39

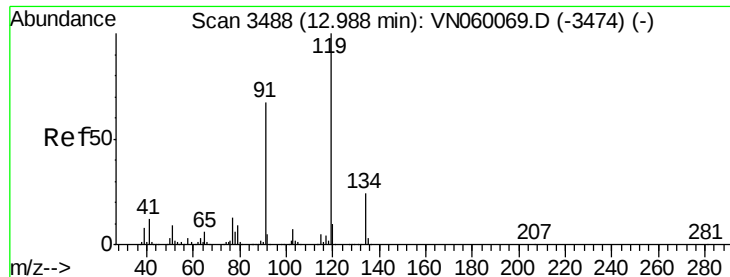
Tgt Ion: 91 Resp: 130346

Ion Ratio Lower Upper

91 100

126 33.3 17.1 51.3

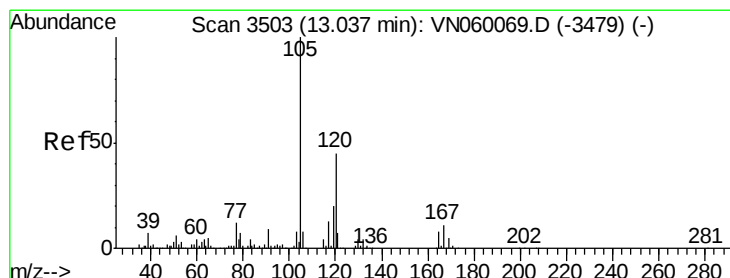
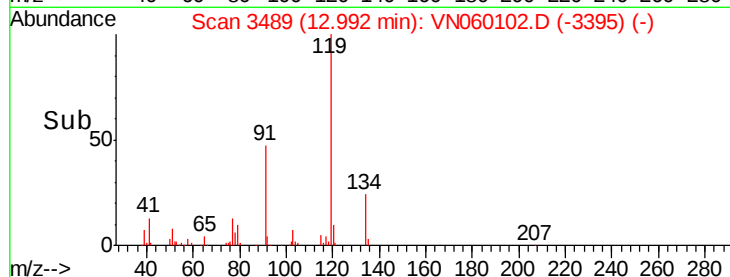
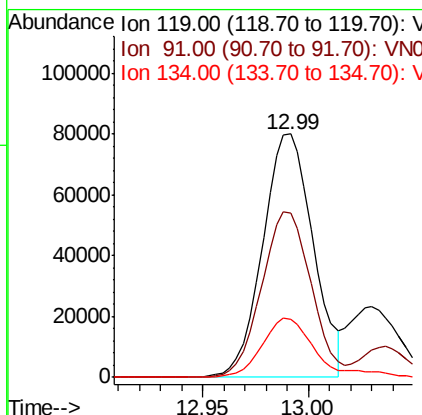
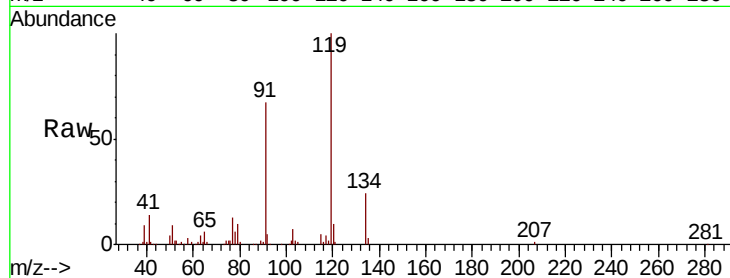




#83
tert-Butylbenzene
Concen: 18.899 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

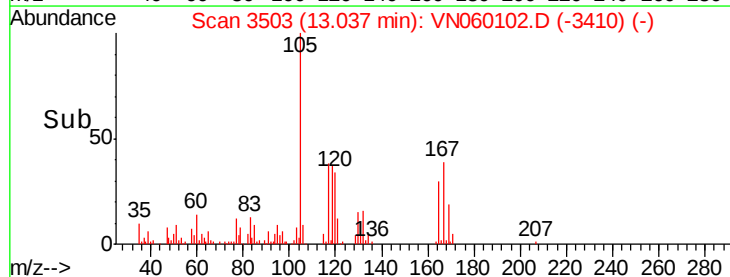
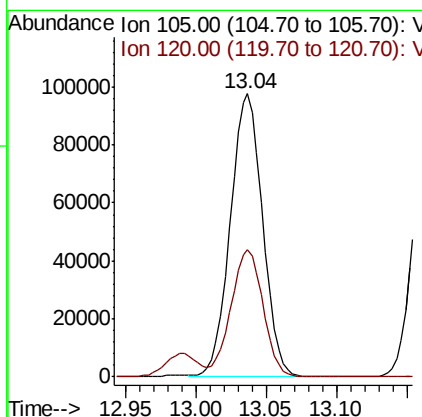
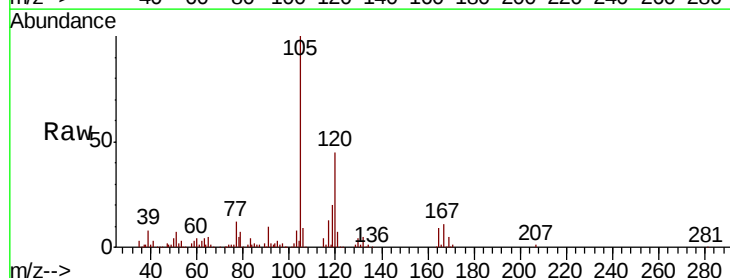
Instrument :
MSVOA_N
ClientSampled :

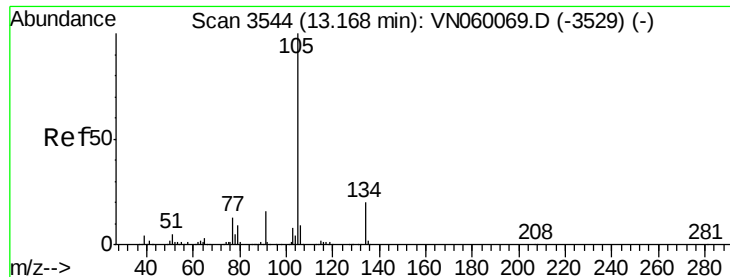
Tot Ion:119 Resp: 133224
Ion Ratio Lower Upper
119 100
91 66.8 32.7 98.1
134 25.8 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.894 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion:105 Resp: 156484
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.220 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

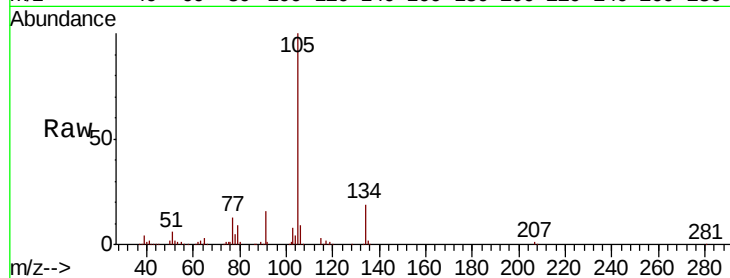
ClientSampled :

Tot Ion:105 Resp: 179429

Ion Ratio Lower Upper

105 100

134 19.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

120000

100000

80000

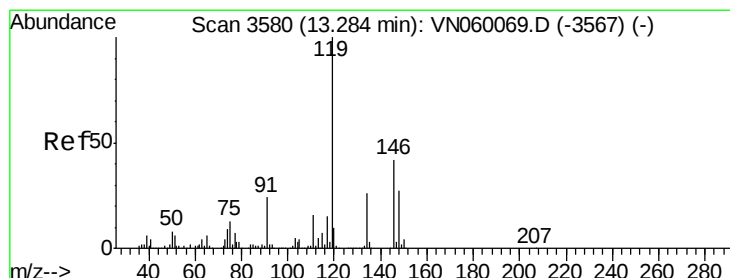
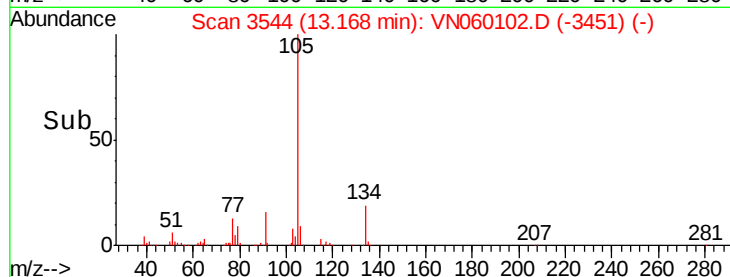
60000

40000

20000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.236 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

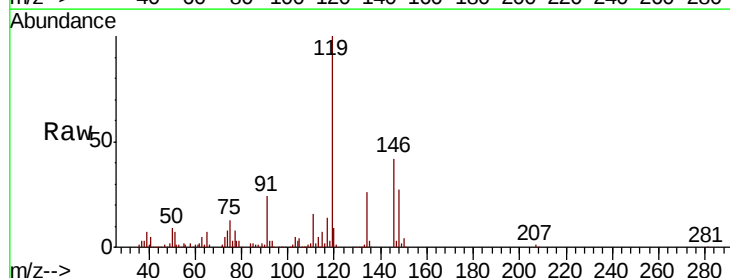
Tgt Ion:119 Resp: 162710

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 24.1 11.9 35.9



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

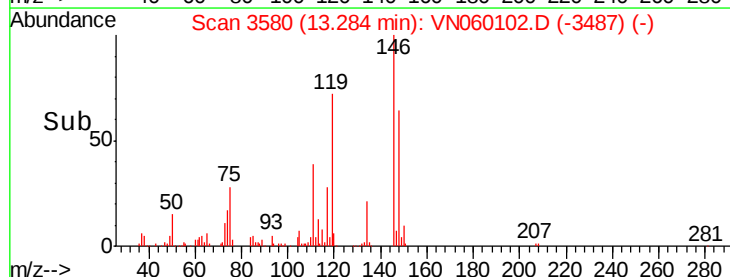
13.28

100000

50000

0

Time--> 13.20 13.25 13.30 13.35

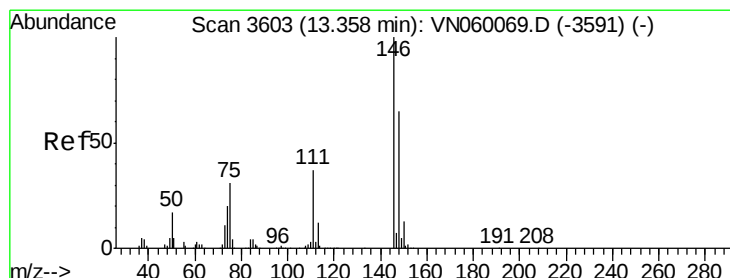
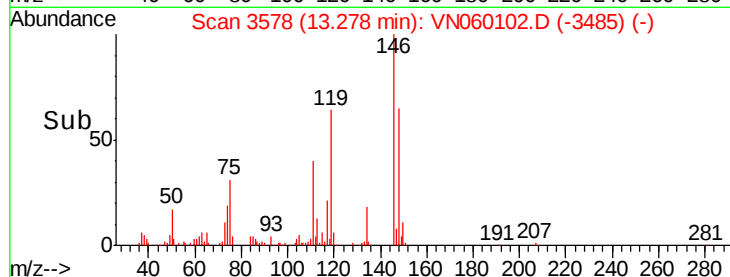
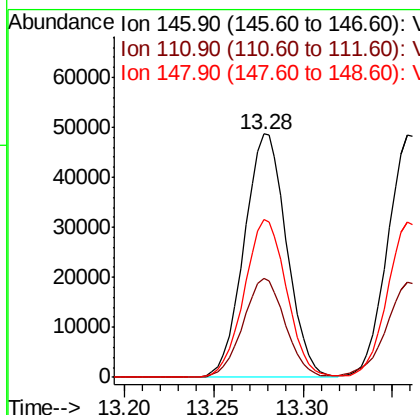
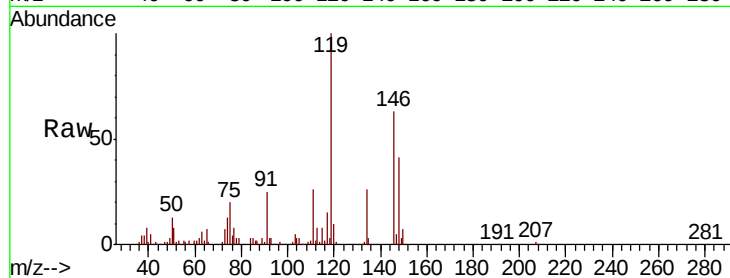




#87
 1,3-Dichlorobenzene
 Concen: 19.265 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

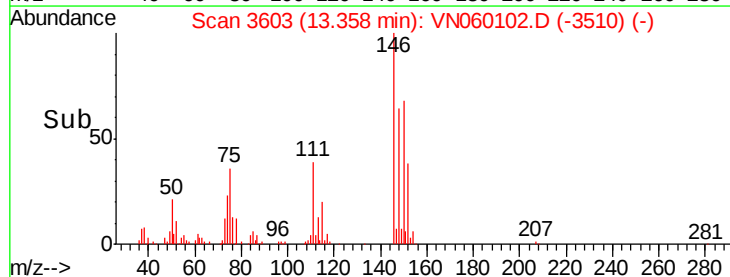
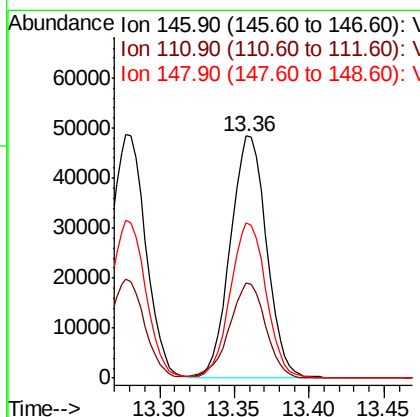
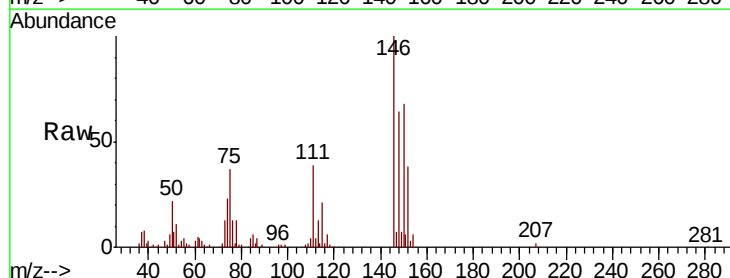
Instrument :
 MSVOA_N
 ClientSampleId :

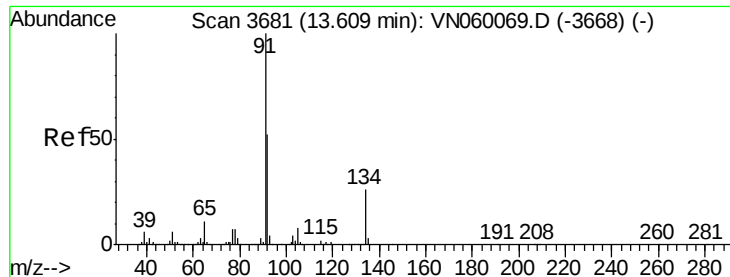
Tot Ion:146 Resp: 81107
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.8 59.3
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion:146 Resp: 81780
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.9 56.5
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 19.302 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampled :

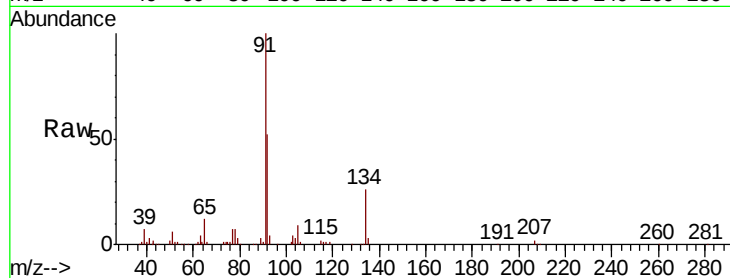
Tot Ion: 91 Resp: 143603

Ion Ratio Lower Upper

91 100

92 52.5 26.1 78.2

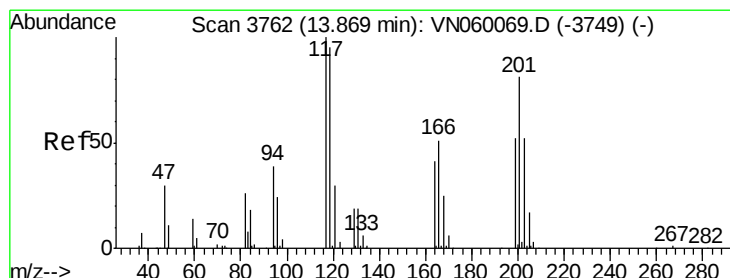
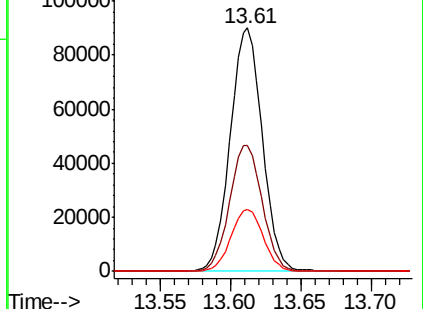
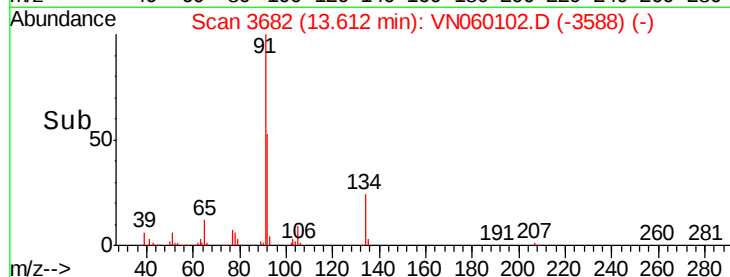
134 25.7 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN060102.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN060102.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN060102.D (-3682) (-)



#90

Hexachloroethane

Concen: 18.900 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060102.D

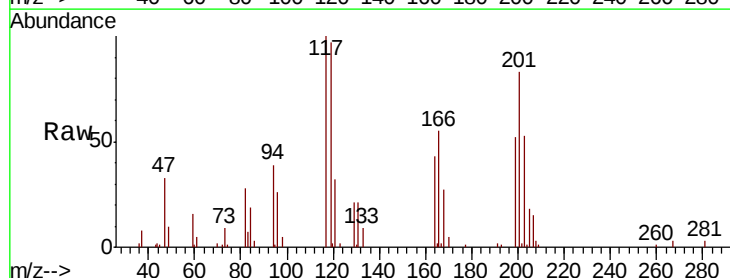
Acq: 14 Feb 2020 11:39

Tgt Ion: 117 Resp: 29865

Ion Ratio Lower Upper

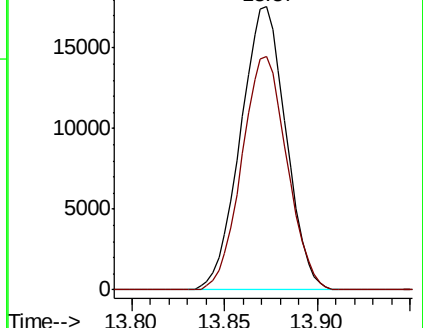
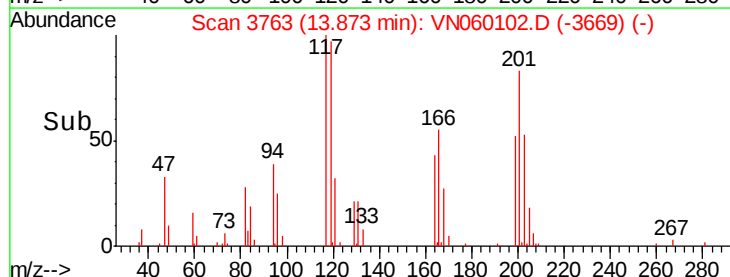
117 100

201 81.9 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060102.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN060102.D (-3763) (-)

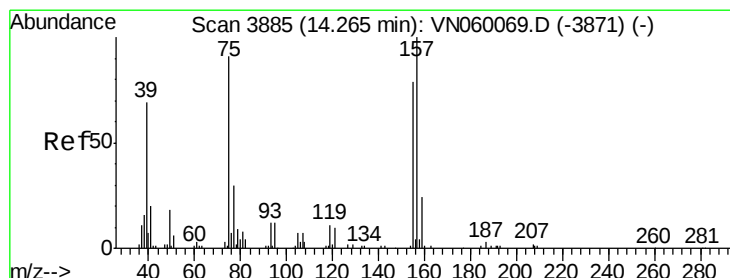
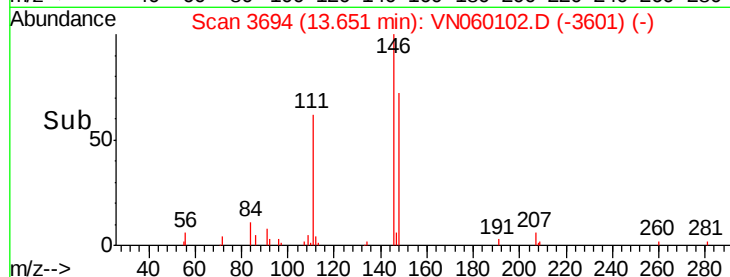
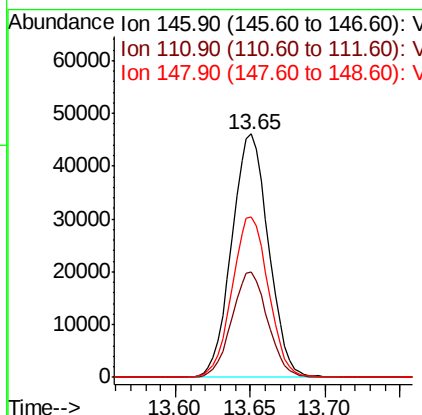
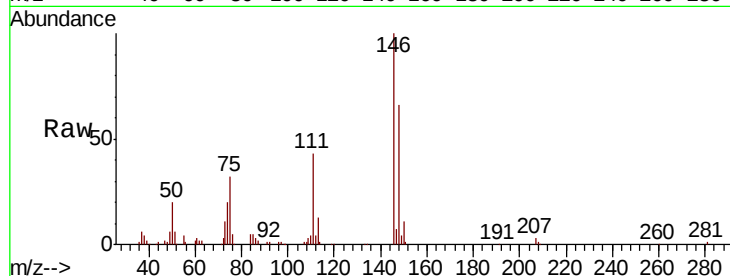




#91
 1,2-Dichlorobenzene
 Concen: 19.149 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

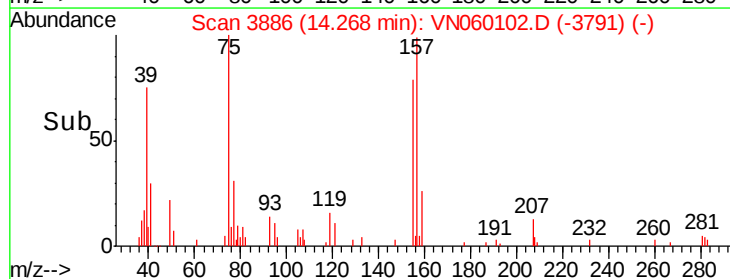
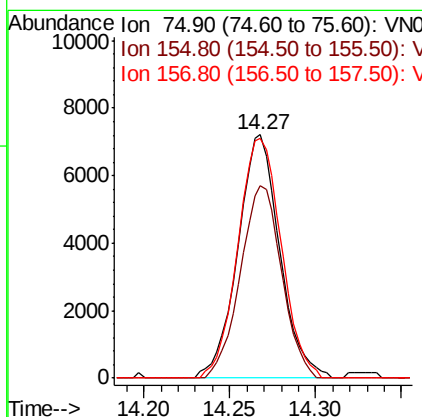
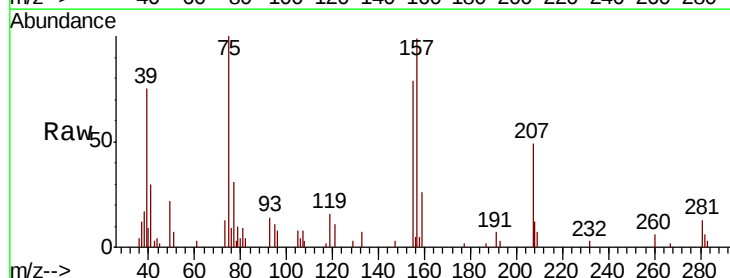
Instrument :
 MSVOA_N
 ClientSampleId :

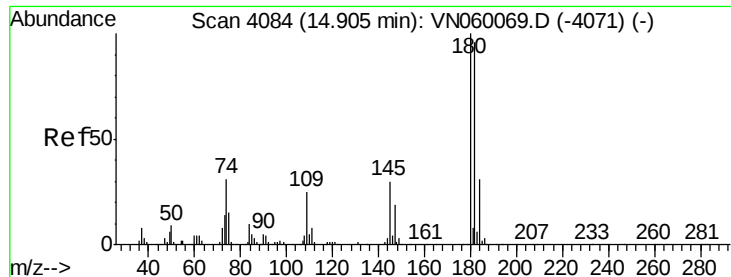
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.1	60.2
148	65.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.387 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	43.0	129.0
157	101.9	54.9	164.5





#93

1,2,4-Trichlorobenzene

Concen: 19.784 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

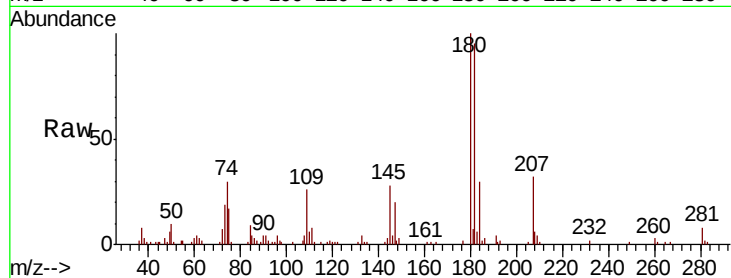
Tot Ion:180 Resp: 47895

Ion Ratio Lower Upper

180 100

182 94.9 47.9 143.8

145 30.3 15.2 45.5

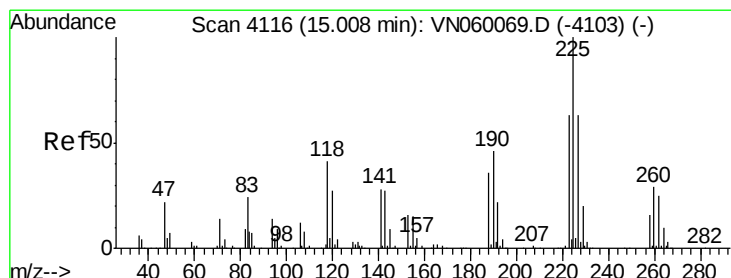
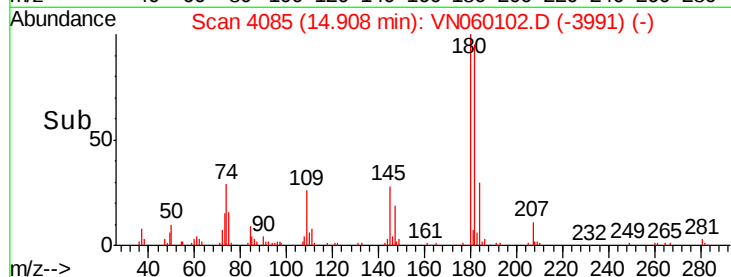
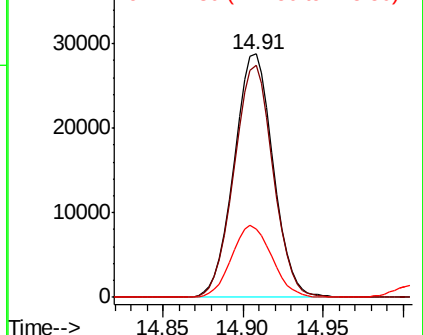


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.426 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

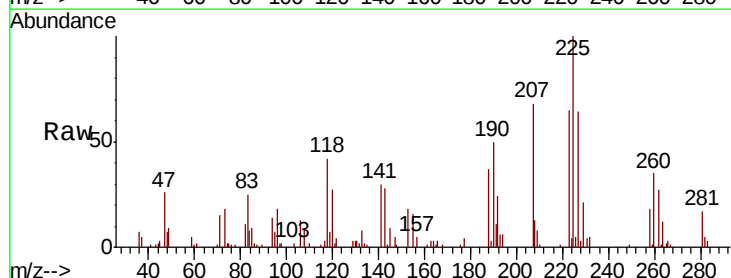
Tgt Ion:225 Resp: 26115

Ion Ratio Lower Upper

225 100

223 62.4 31.5 94.5

227 62.8 31.8 95.4

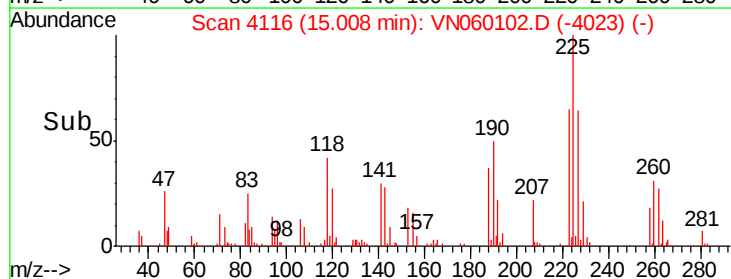
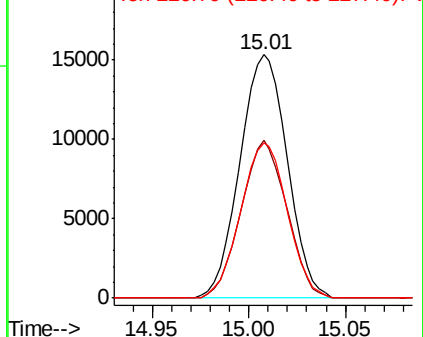


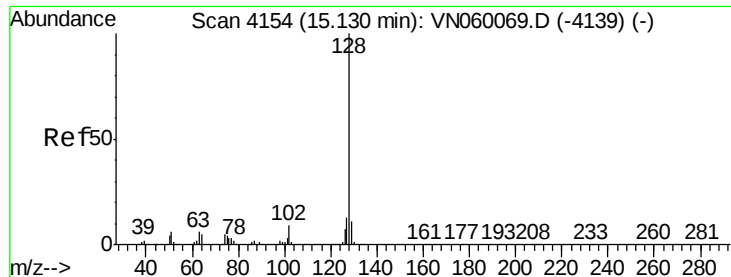
Abundance

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

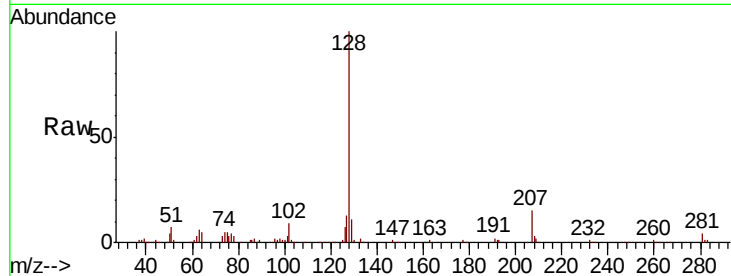




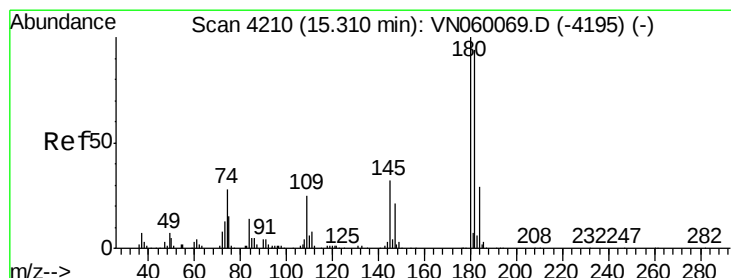
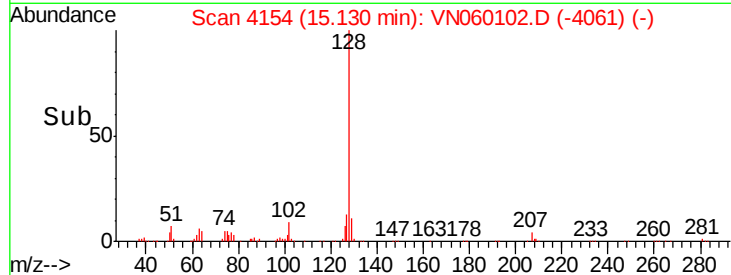
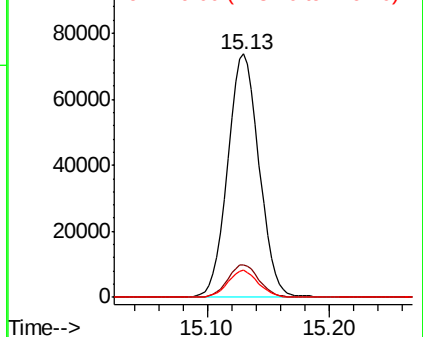
#95
Naphthalene
Concen: 20.269 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 132554
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.7 8.6 13.0

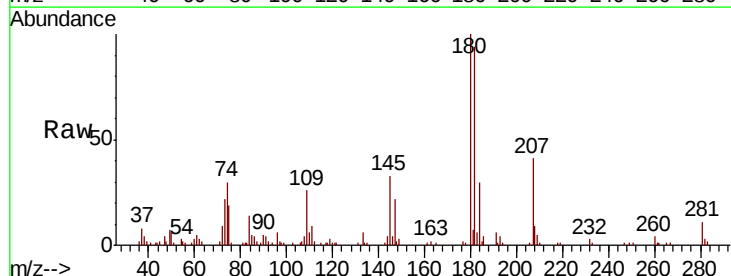


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.898 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion:180 Resp: 47972
Ion Ratio Lower Upper
180 100
182 93.2 47.5 142.5
145 32.8 16.1 48.3



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

