

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060113.D
 Acq On : 17 Feb 2020 12:51
 Operator : JC/MD
 Sample : VN0217WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 13:59:00 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	206233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146711	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	133068	53.03	ug/l	0.00
Spiked Amount						
			Recovery	=	106.06%	
35) Dibromofluoromethane	7.57	113	100926	49.27	ug/l	0.00
Spiked Amount						
			Recovery	=	98.54%	
50) Toluene-d8	10.08	98	400304	49.63	ug/l	0.00
Spiked Amount						
			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	145096	48.95	ug/l	0.00
Spiked Amount						
			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	39795	19.305	ug/l	99
3) Chloromethane	2.04	50	50857	20.731	ug/l	99
4) Vinyl Chloride	2.17	62	56188	20.094	ug/l	99
5) Bromomethane	2.55	94	33213	19.371	ug/l	98
6) Chloroethane	2.69	64	28022	19.813	ug/l	94
7) Trichlorofluoromethane	3.00	101	68097	18.889	ug/l	95
8) Diethyl Ether	3.39	74	24284	20.235	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38883	19.426	ug/l	97
10) Methyl Iodide	3.93	142	48660	19.679	ug/l	99
11) Tert butyl alcohol	4.73	59	44452	118.370	ug/l	98
12) 1,1-Dichloroethene	3.72	96	38211	19.597	ug/l	96
13) Acrolein	3.58	56	34252	92.275	ug/l	96
14) Allyl chloride	4.30	41	61654	21.483	ug/l	92
15) Acrylonitrile	4.95	53	103161	112.485	ug/l	100
16) Acetone	3.78	43	116601	106.521	ug/l	99
17) Carbon Disulfide	4.03	76	110283	18.765	ug/l	99
18) Methyl Acetate	4.29	43	48012	23.349	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	131502	20.055	ug/l	100
20) Methylene Chloride	4.52	84	43390	19.868	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	40638	19.119	ug/l	95
22) Diisopropyl ether	5.92	45	132405	21.051	ug/l	97
23) Vinyl Acetate	5.86	43	565650	107.093	ug/l	98
24) 1,1-Dichloroethane	5.82	63	76536	20.087	ug/l	99
25) 2-Butanone	6.80	43	152514	110.783	ug/l	97
26) 2,2-Dichloropropane	6.80	77	71163	19.664	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	47780	19.208	ug/l	96
28) Bromochloromethane	7.17	49	33456	22.335	ug/l	95
29) Tetrahydrofuran	7.18	42	97394	115.317	ug/l	96
30) Chloroform	7.35	83	78560	19.683	ug/l	98
31) Cyclohexane	7.63	56	73392	20.678	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	70842	19.423	ug/l	99
36) 1,1-Dichloropropene	7.77	75	58241	18.869	ug/l	98
37) Ethyl Acetate	6.90	43	63241	22.671	ug/l	98
38) Carbon Tetrachloride	7.75	117	61814	18.440	ug/l	97

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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)
39) Methylcyclohexane	9.06	83	71354	18.623	ug/l	97
40) Benzene	8.02	78	173513	18.951	ug/l	100
41) Methacrylonitrile	7.18	41	89002	76.080	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62280	19.408	ug/l	100
43) Isopropyl Acetate	8.14	43	102314	21.456	ug/l	97
44) Trichloroethene	8.82	130	46083	18.177	ug/l	98
45) 1,2-Dichloropropane	9.10	63	46312	20.431	ug/l	98
46) Dibromomethane	9.19	93	30325	18.931	ug/l	97
47) Bromodichloromethane	9.39	83	61015	18.735	ug/l	97
48) Methyl methacrylate	9.18	41	42363	19.801	ug/l	99
49) 1,4-Dioxane	9.18	88	17458	477.588	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	302171	109.480	ug/l	98
52) Toluene	10.14	92	108814	18.533	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	70895	19.286	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	74773	19.317	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42619	18.606	ug/l	99
56) Ethyl methacrylate	10.42	69	63332	19.545	ug/l	95
57) 1,3-Dichloropropane	10.70	76	71882	19.019	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	160329	106.210	ug/l	97
59) 2-Hexanone	10.74	43	229679	107.725	ug/l	99
60) Dibromochloromethane	10.89	129	47820	18.193	ug/l	97
61) 1,2-Dibromoethane	10.99	107	44957	18.723	ug/l	100
64) Tetrachloroethene	10.62	164	41869	17.817	ug/l	98
65) Chlorobenzene	11.43	112	115574	18.351	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	43769	18.371	ug/l	98
67) Ethyl Benzene	11.50	91	212307	18.691	ug/l	99
68) m/p-Xylenes	11.62	106	157030	36.834	ug/l	98
69) o-Xylene	11.94	106	75601	18.418	ug/l	97
70) Styrene	11.96	104	120753	18.243	ug/l	99
71) Bromoform	12.12	173	34631	18.072	ug/l #	98
73) Isopropylbenzene	12.25	105	207324	18.924	ug/l	99
74) N-amyl acetate	12.06	43	83906	21.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	63880	20.257	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	85152	30.337	ug/l #	100
77) Bromobenzene	12.52	156	49910	18.357	ug/l	95
78) n-propylbenzene	12.59	91	234663	18.800	ug/l	99
79) 2-Chlorotoluene	12.67	91	140383	19.135	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	171747	18.854	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22860	19.941	ug/l	98
82) 4-Chlorotoluene	12.77	91	141105	18.746	ug/l	98
83) tert-Butylbenzene	12.99	119	147953	18.361	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	171614	19.086	ug/l	100
85) sec-Butylbenzene	13.17	105	198342	18.586	ug/l	100
86) p-Isopropyltoluene	13.28	119	177314	18.338	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	87315	18.143	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	87838	18.255	ug/l	98
89) n-Butylbenzene	13.61	91	156333	18.383	ug/l	99
90) Hexachloroethane	13.87	117	33059	18.302	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	84685	17.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13859	20.210	ug/l	92

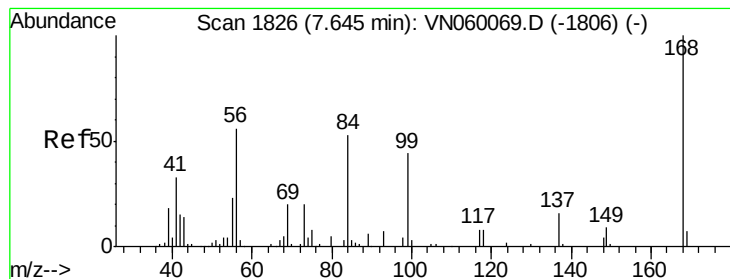
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49203	17.779	ug/l	99
94) Hexachlorobutadiene	15.01	225	27694	17.094	ug/l	99
95) Naphthalene	15.13	128	140877	18.845	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48293	17.523	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

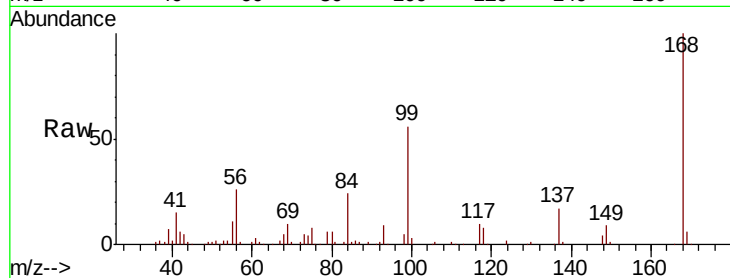
ClientSampleId :

Tot Ion:168 Resp: 206233

Ion Ratio Lower Upper

168 100

99 55.6 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

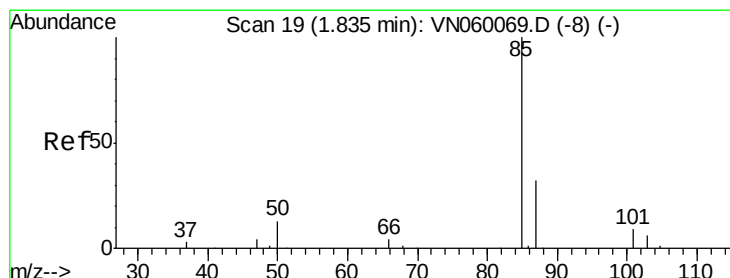
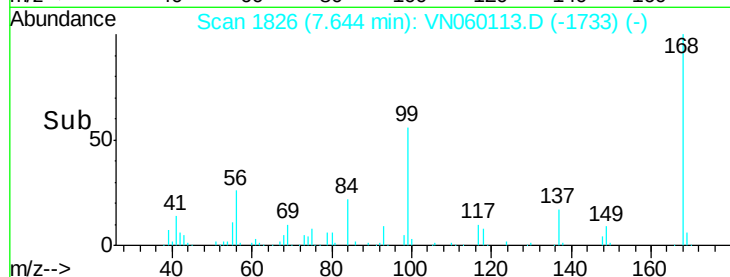
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.305 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060113.D

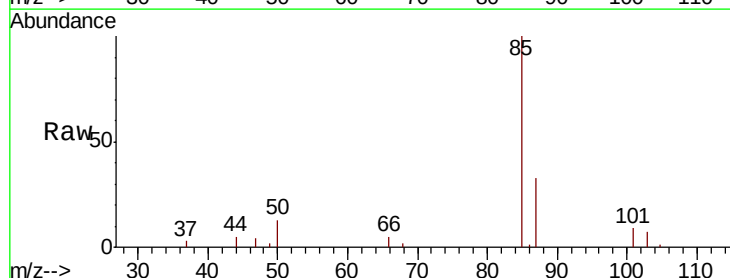
Acq: 17 Feb 2020 12:51

Tgt Ion: 85 Resp: 39795

Ion Ratio Lower Upper

85 100

87 32.9 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

20000

10000

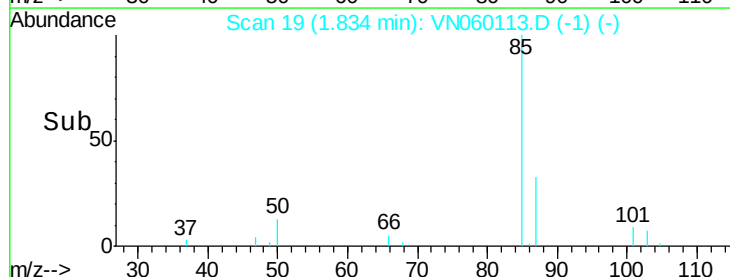
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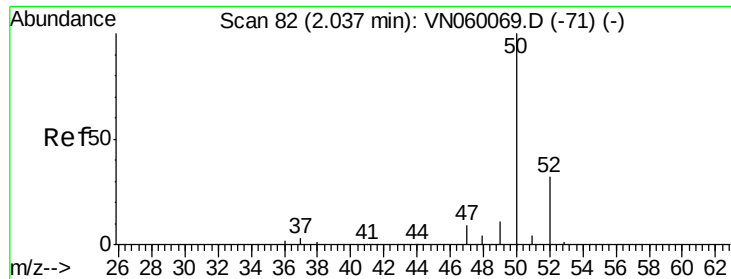
1.80

1.85

1.90

Time-->

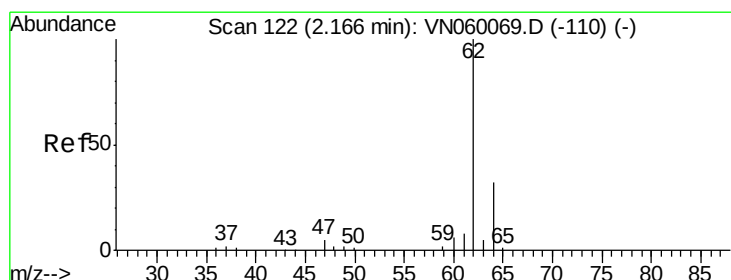
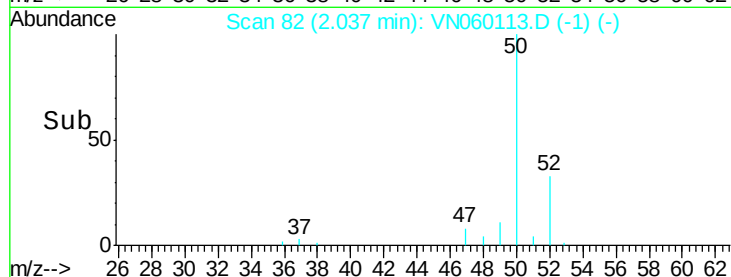
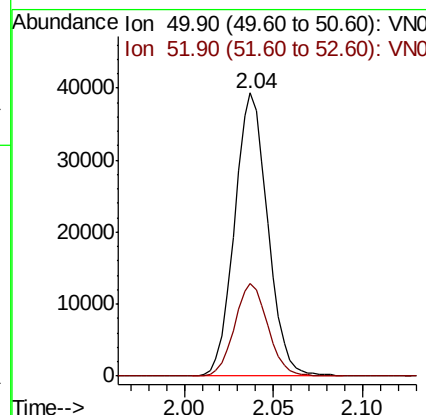
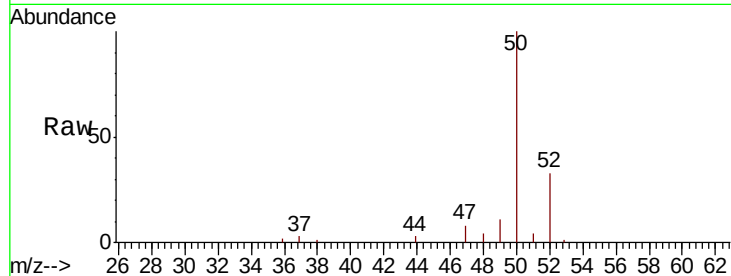




#3
Chloromethane
Concen: 20.731 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

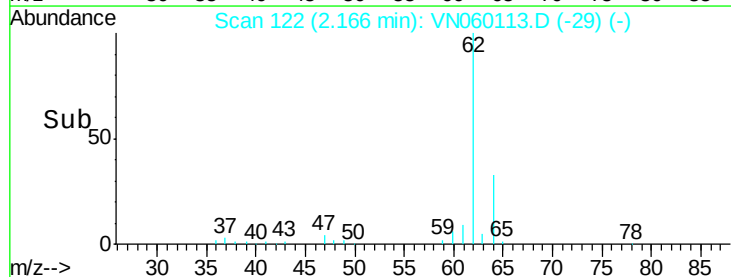
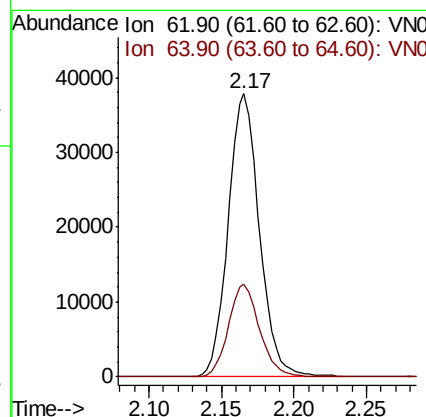
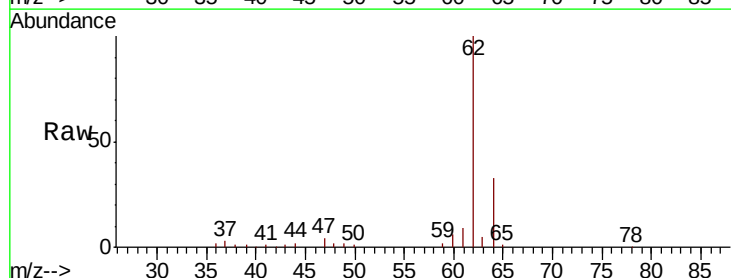
Instrument :
MSVOA_N
ClientSampleId :

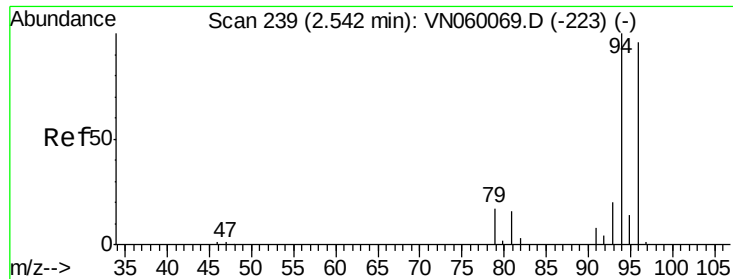
Tot Ion: 50 Resp: 50857
Ion Ratio Lower Upper
50 100
52 32.6 25.6 38.4



#4
Vinyl Chloride
Concen: 20.094 ug/l
RT: 2.17 min Scan# 122
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 62 Resp: 56188
Ion Ratio Lower Upper
62 100
64 32.9 25.9 38.9

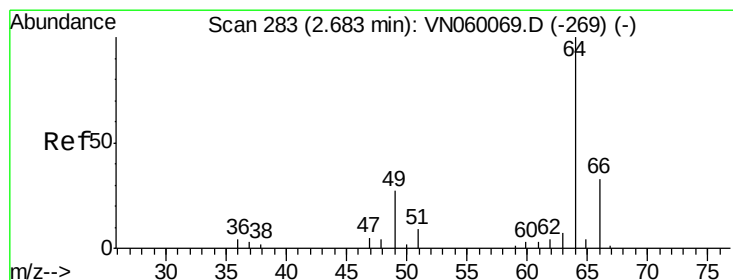
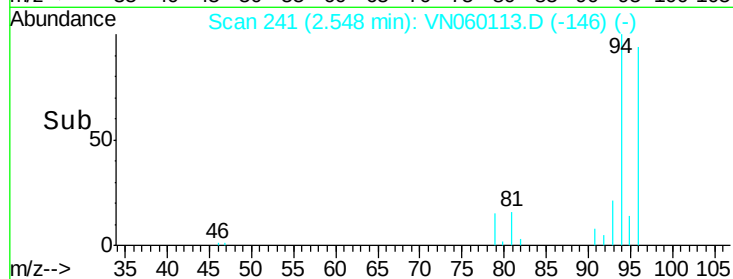
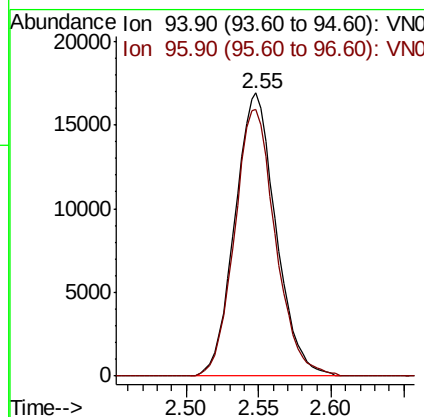
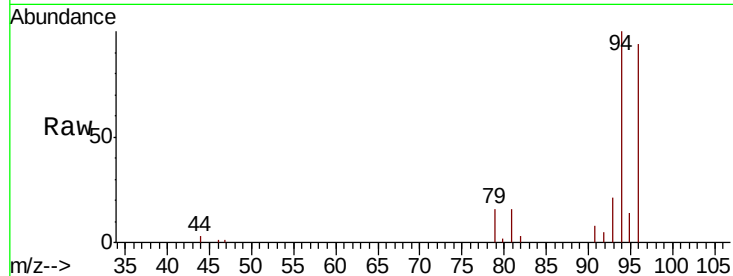




#5
Bromomethane
Concen: 19.371 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

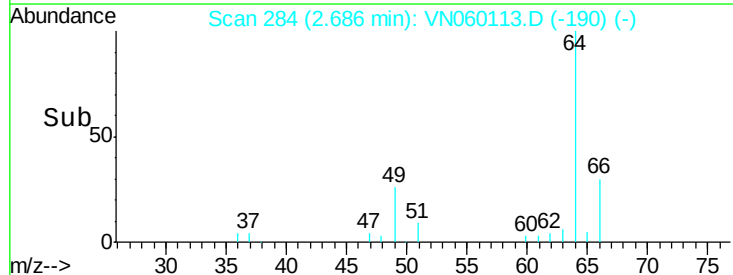
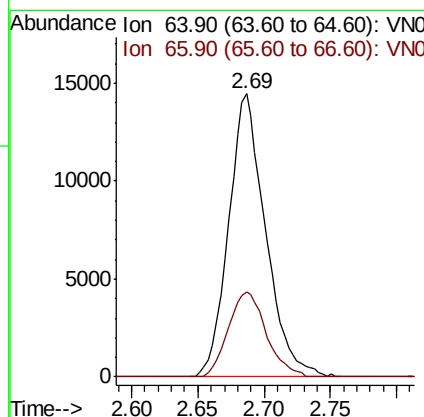
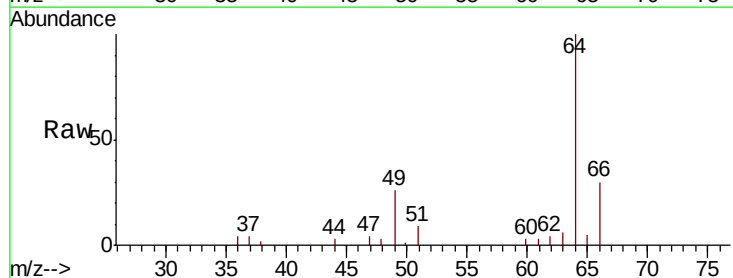
Instrument :
MSVOA_N
ClientSampleId :

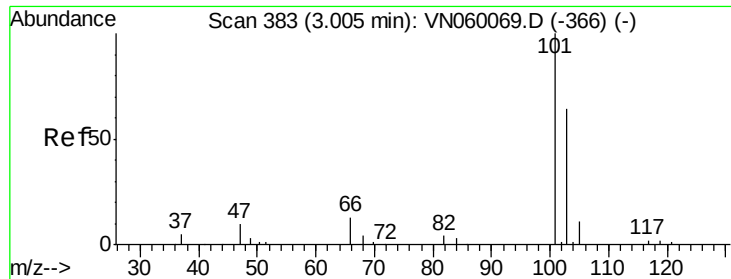
Tot Ion: 94 Resp: 33213
Ion Ratio Lower Upper
94 100
96 94.2 76.7 115.1



#6
Chloroethane
Concen: 19.813 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 64 Resp: 28022
Ion Ratio Lower Upper
64 100
66 29.9 26.6 40.0



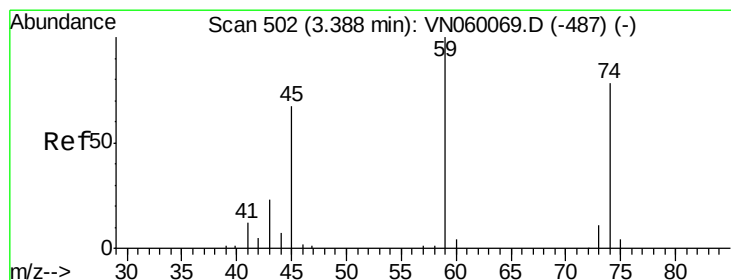
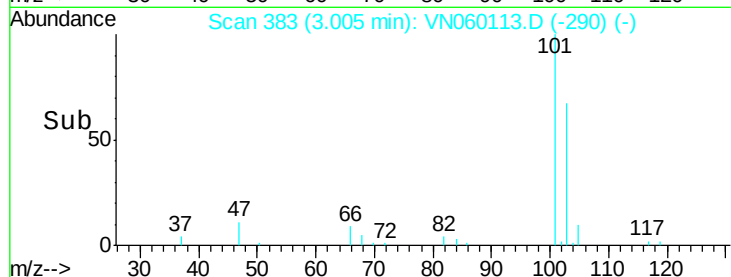
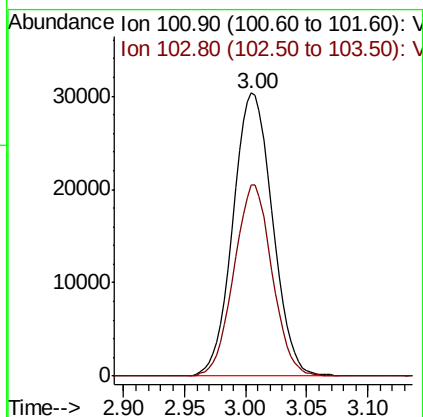
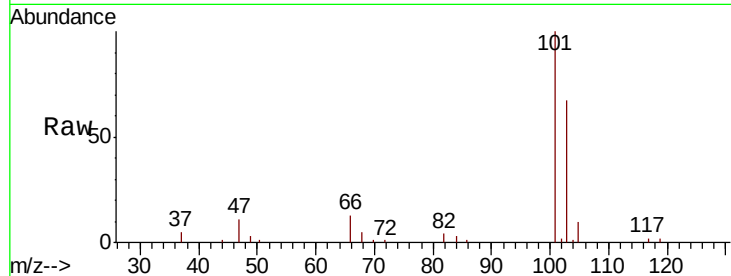


#7

Trichlorofluoromethane
 Concen: 18.889 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Instrument :
 MSVOA_N
 ClientSampled :

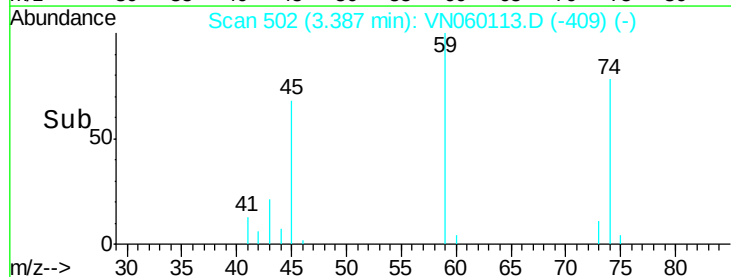
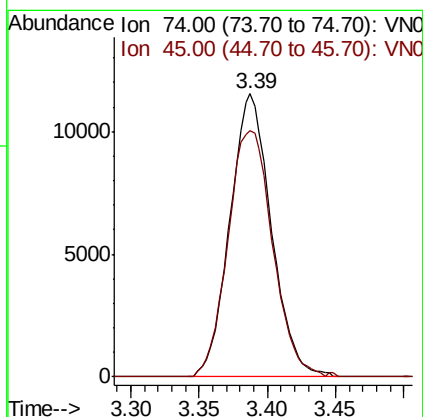
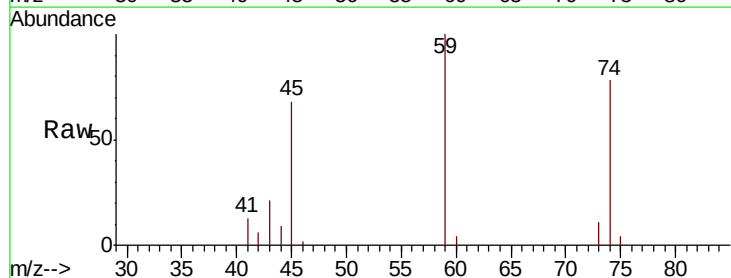
Tot Ion:101 Resp: 68097
 Ion Ratio Lower Upper
 101 100
 103 67.4 51.0 76.6

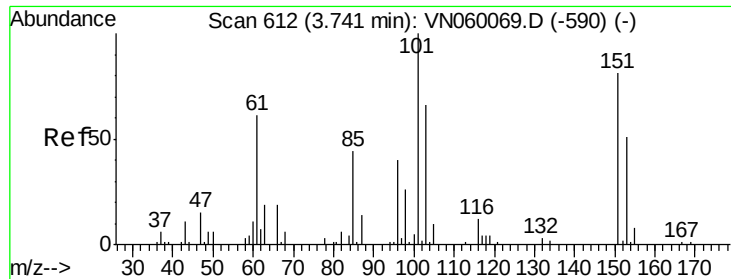


#8

Diethyl Ether
 Concen: 20.235 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion: 74 Resp: 24284
 Ion Ratio Lower Upper
 74 100
 45 94.0 44.7 134.1

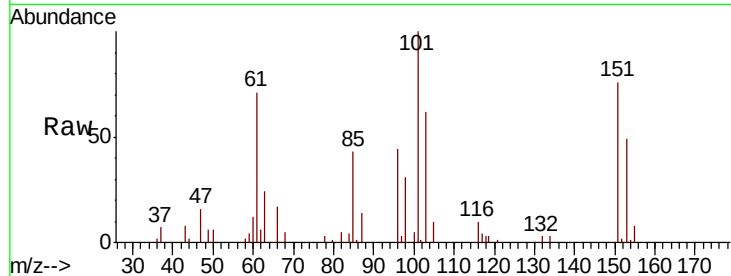




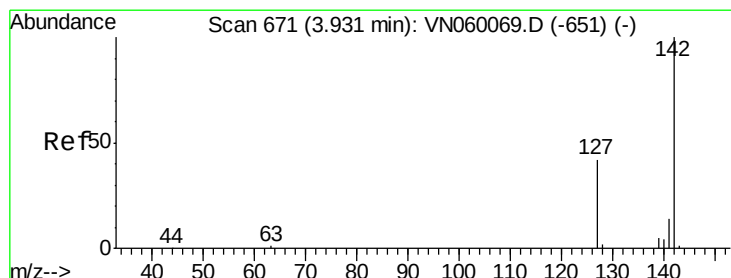
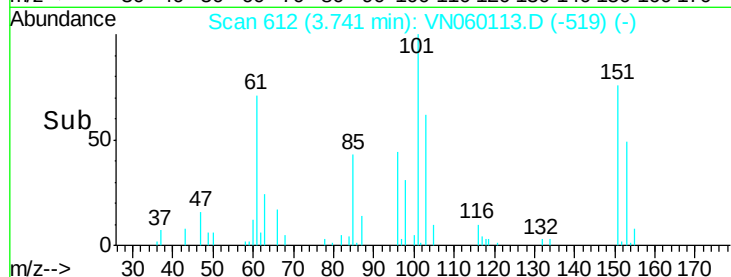
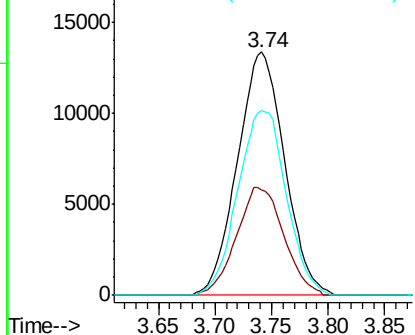
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.426 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 38883
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.1 52.7
 151 78.1 65.8 98.6

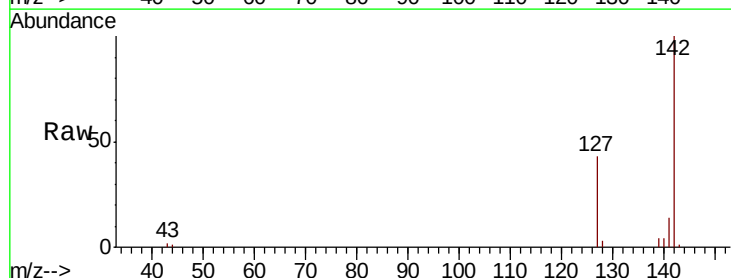


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

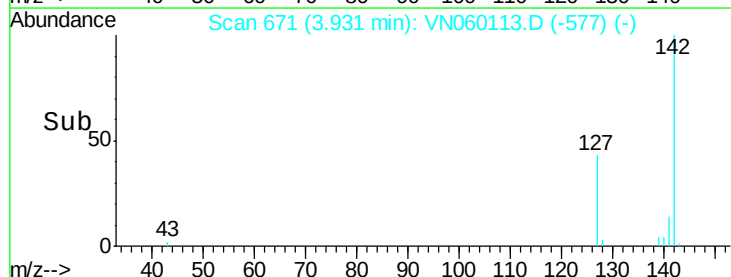
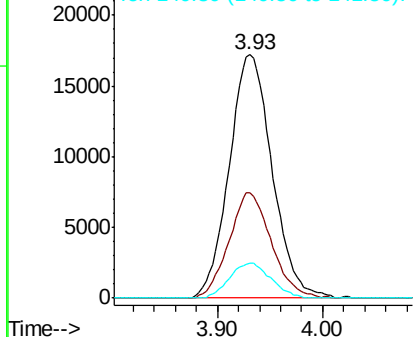


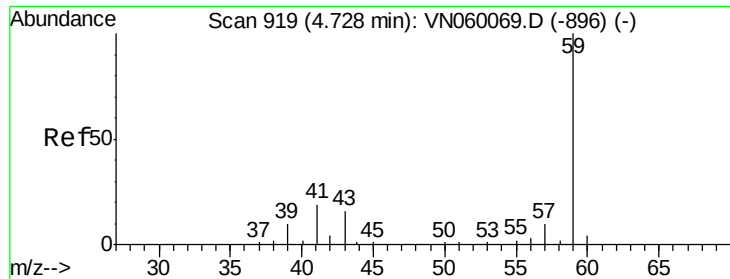
#10
 Methyl Iodide
 Concen: 19.679 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion:142 Resp: 48660
 Ion Ratio Lower Upper
 142 100
 127 42.5 33.6 50.4
 141 13.8 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

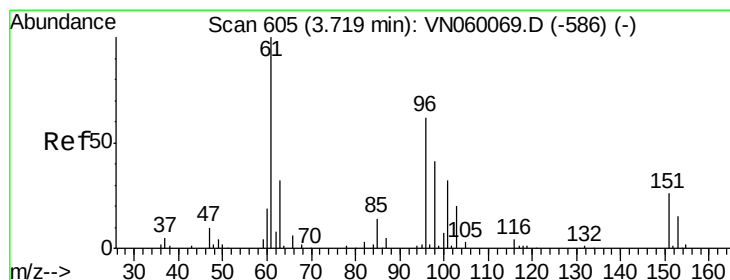
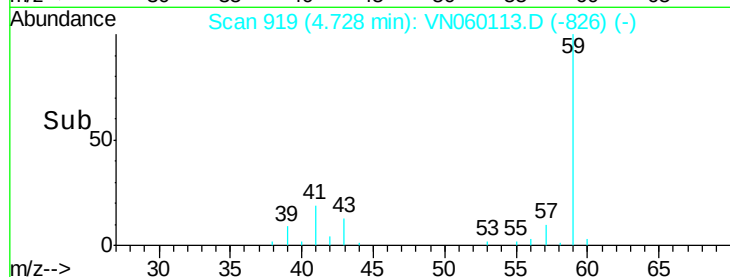
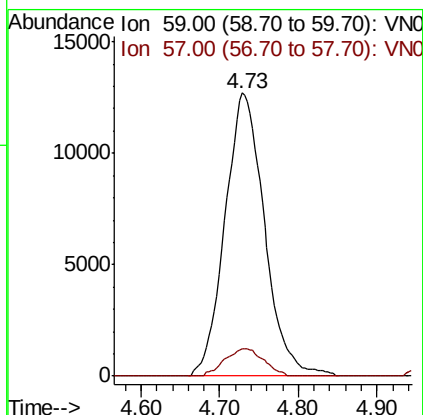
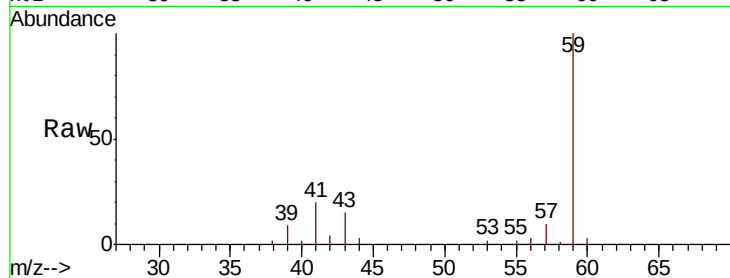




#11
Tert butyl alcohol
Concen: 118.370 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

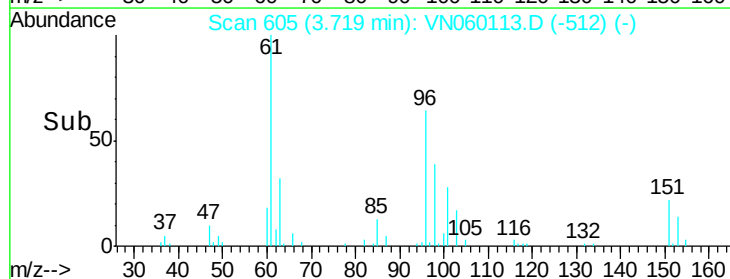
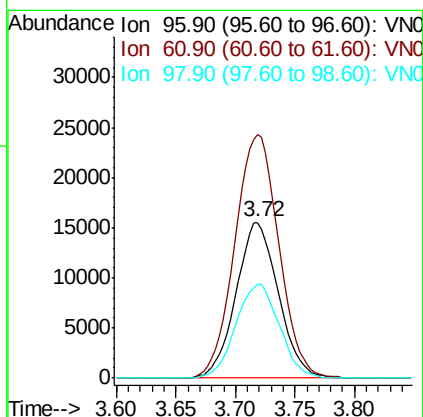
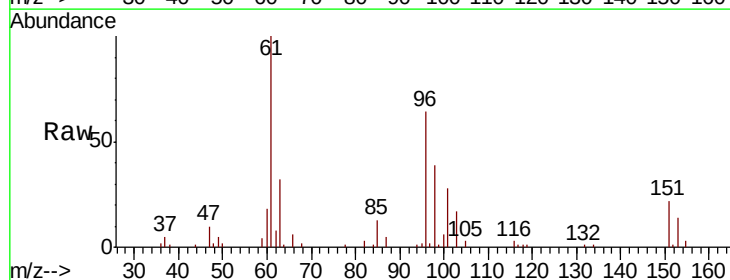
Instrument :
MSVOA_N
ClientSampled :

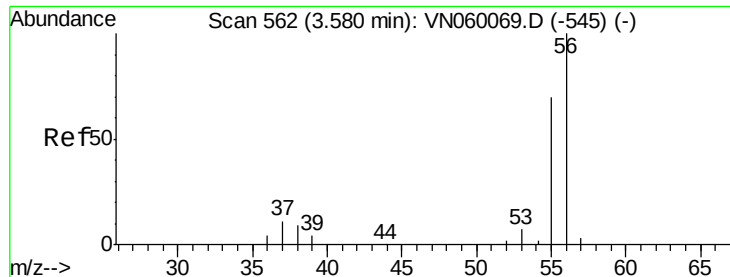
Tot Ion: 59 Resp: 44452
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.597 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 96 Resp: 38211
Ion Ratio Lower Upper
96 100
61 156.1 128.3 192.5
98 60.2 52.2 78.4





#13

Acrolein

Concen: 92.275 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

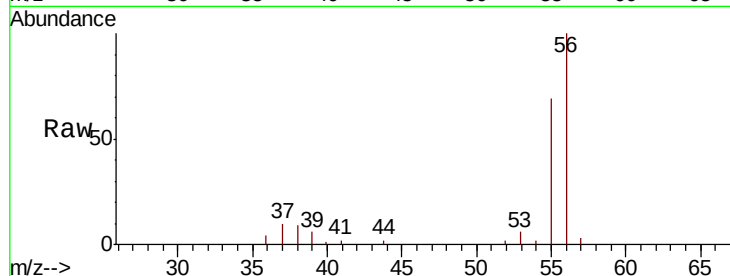
ClientSampleId :

Tot Ion: 56 Resp: 34252

Ion Ratio Lower Upper

56 100

55 71.3 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060113.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN060113.D (-469) (-)

3.58

15000

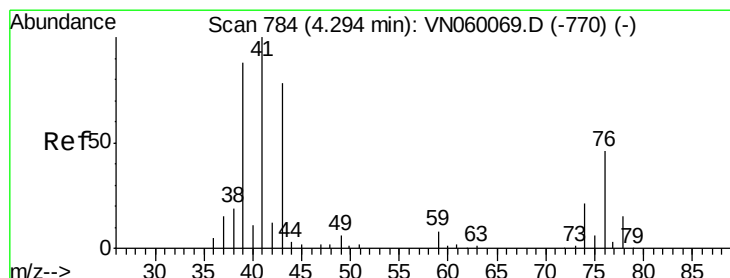
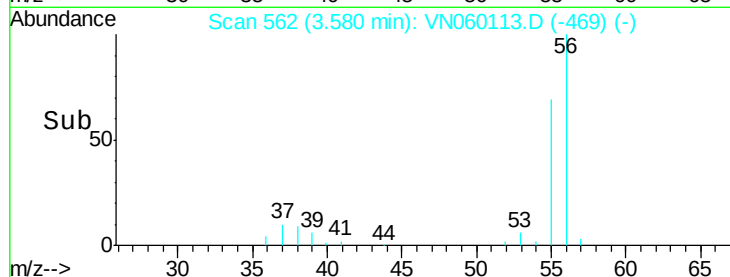
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 21.483 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

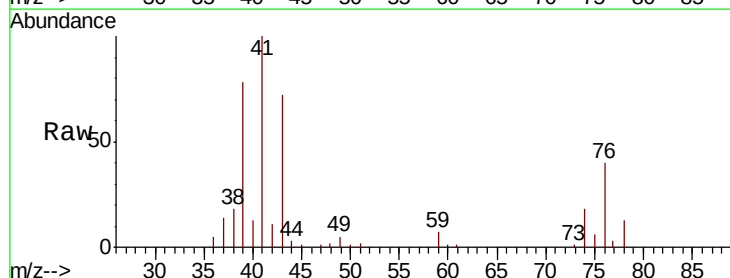
Tgt Ion: 41 Resp: 61654

Ion Ratio Lower Upper

41 100

39 77.4 67.8 101.8

76 37.3 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060113.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060113.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060113.D (-691) (-)

4.30

25000

20000

15000

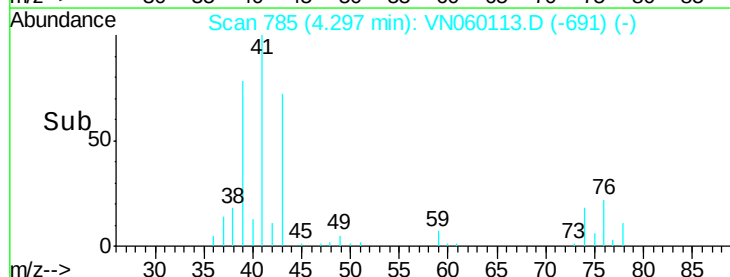
10000

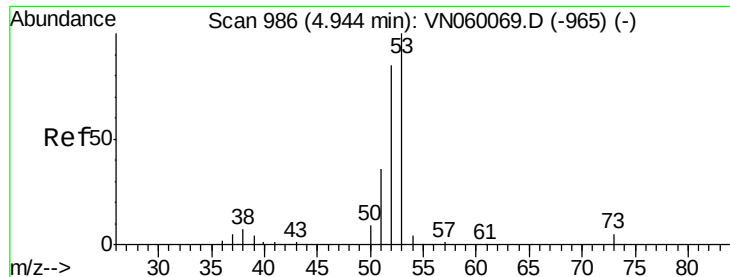
5000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 112.485 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampled :

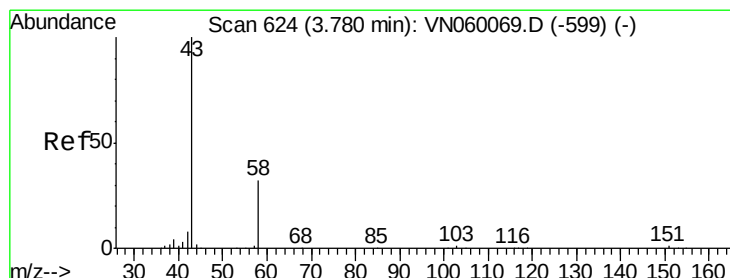
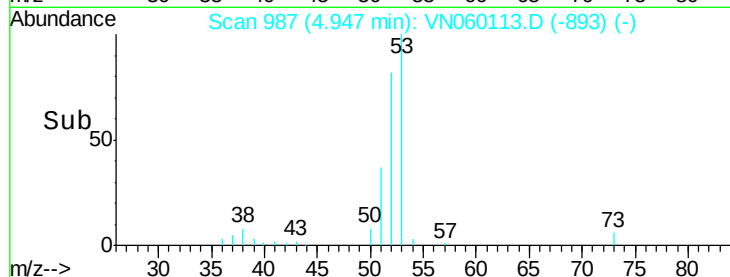
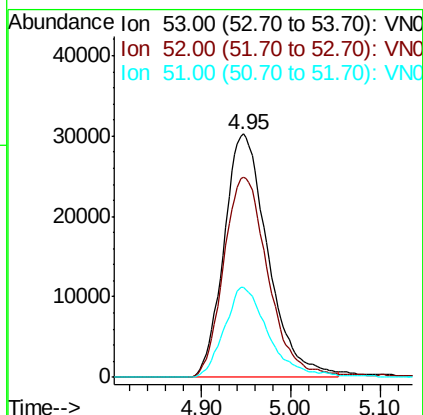
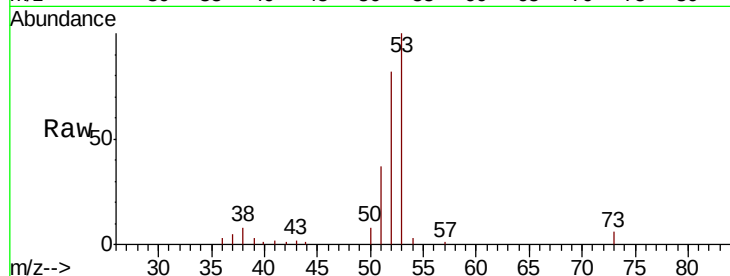
Tot Ion: 53 Resp: 103161

Ion Ratio Lower Upper

53 100

52 83.2 66.8 100.2

51 37.2 29.4 44.0



#16

Acetone

Concen: 106.521 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060113.D

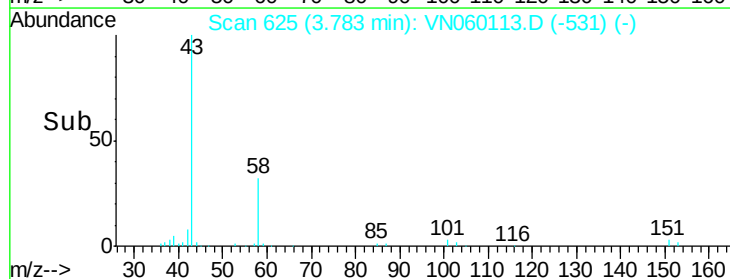
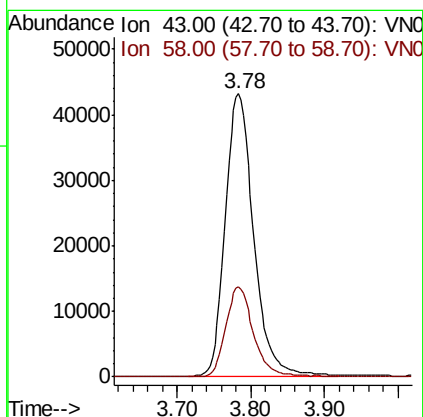
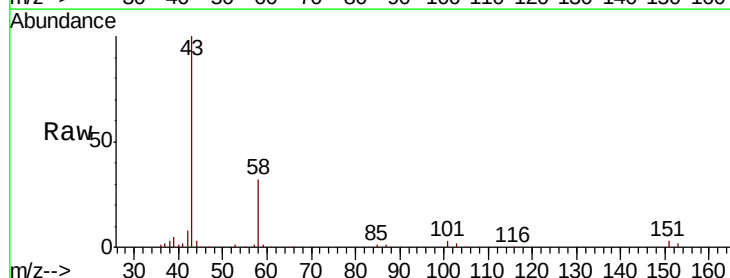
Acq: 17 Feb 2020 12:51

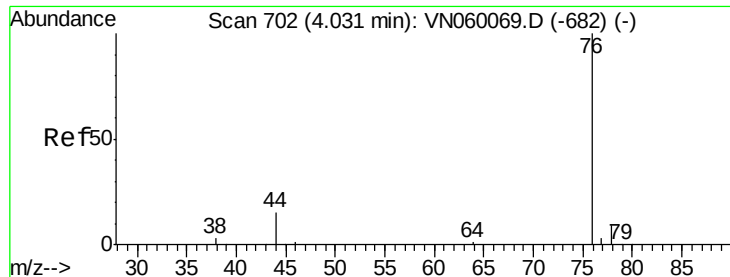
Tgt Ion: 43 Resp: 116601

Ion Ratio Lower Upper

43 100

58 31.8 25.2 37.8

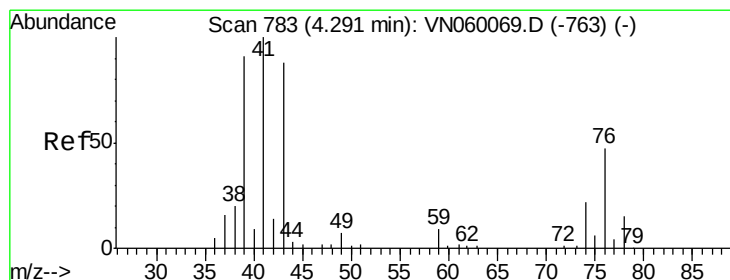
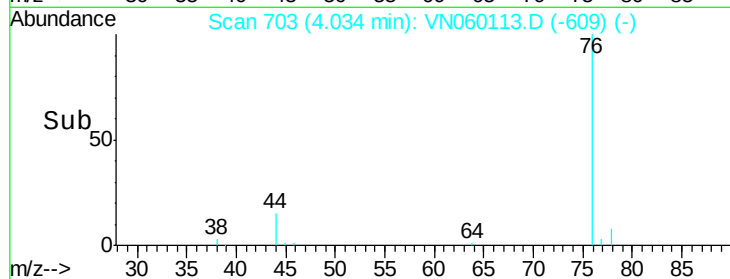
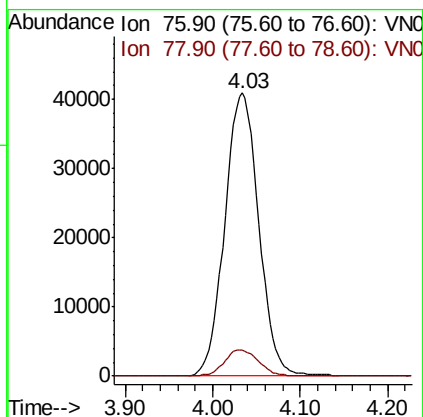
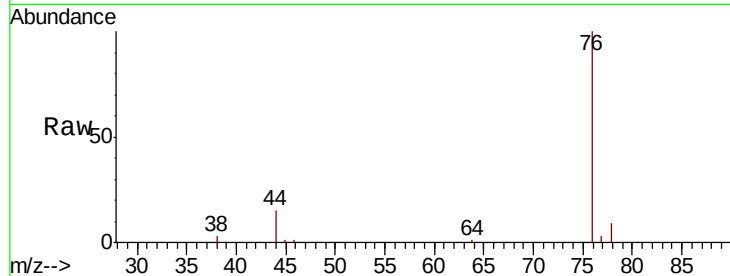




#17
Carbon Disulfide
Concen: 18.765 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

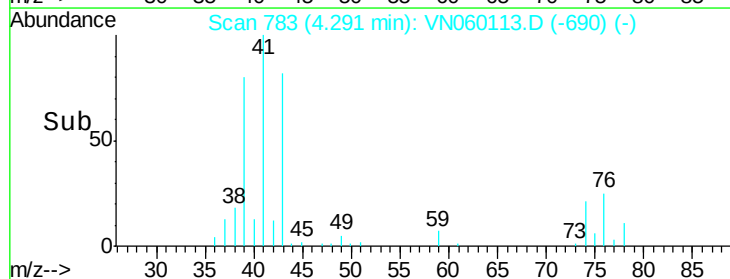
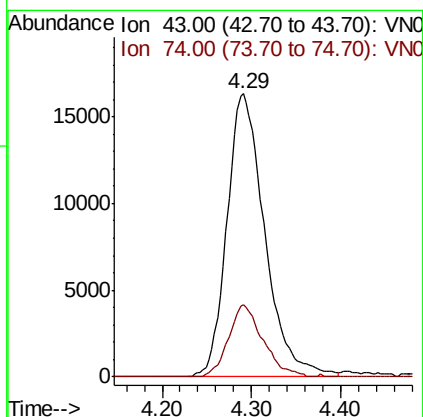
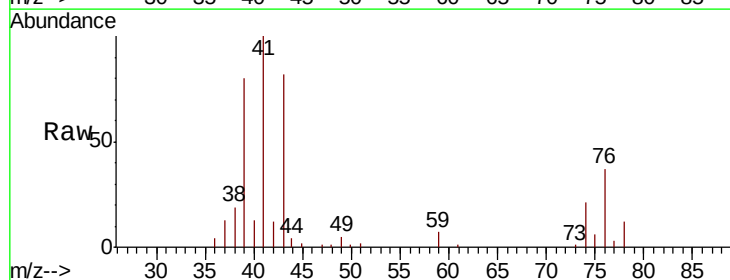
Instrument :
MSVOA_N
ClientSampled :

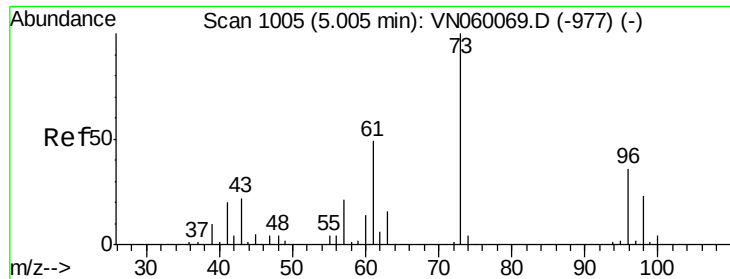
Tot Ion: 76 Resp: 110283
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 23.349 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 43 Resp: 48012
Ion Ratio Lower Upper
43 100
74 23.1 20.3 30.5

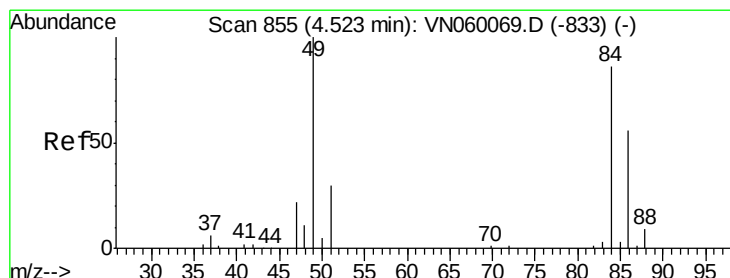
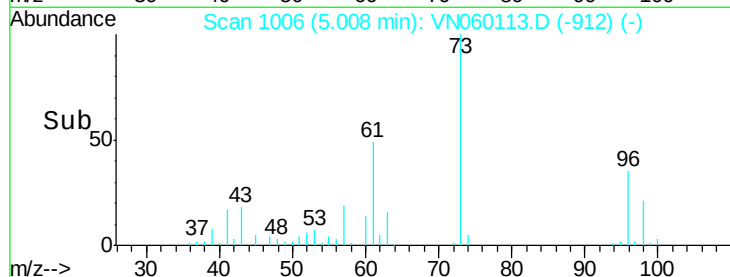
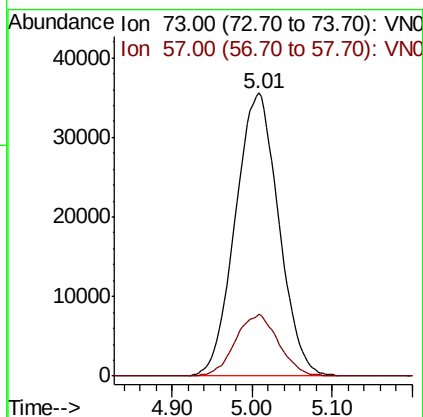
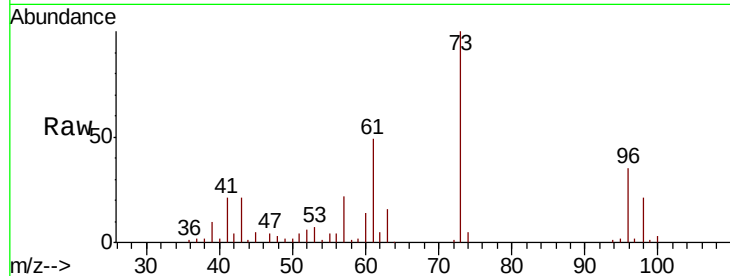




#19
Methyl tert-butyl Ether
Concen: 20.055 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

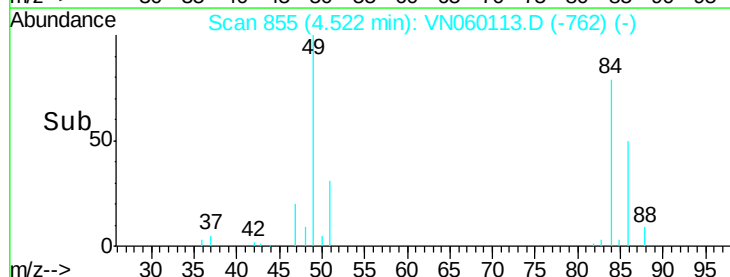
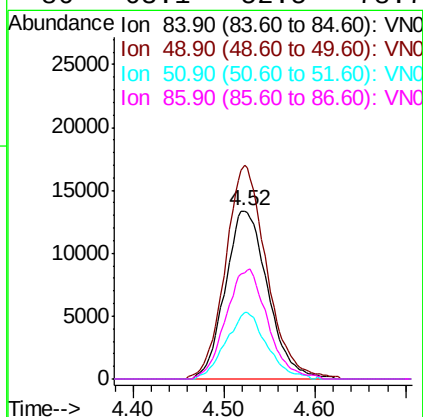
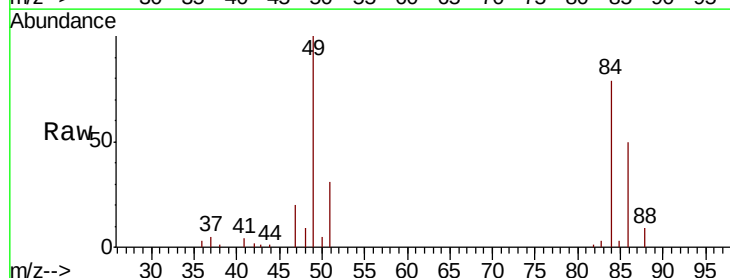
Instrument :
MSVOA_N
ClientSampled :

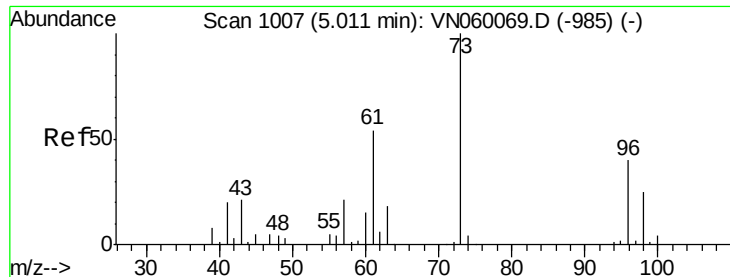
Tot Ion: 73 Resp: 131502
Ion Ratio Lower Upper
73 100
57 21.7 17.2 25.8



#20
Methylene Chloride
Concen: 19.868 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 84 Resp: 43390
Ion Ratio Lower Upper
84 100
49 125.7 93.4 140.0
51 39.3 28.4 42.6
86 63.1 52.5 78.7

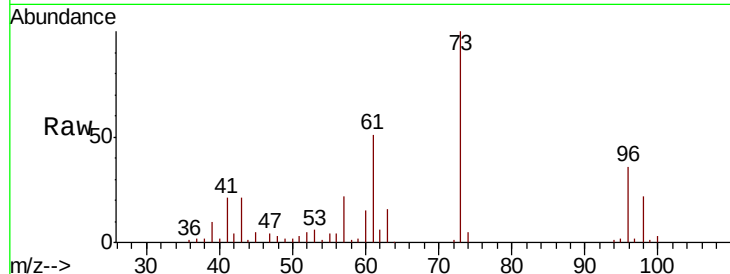




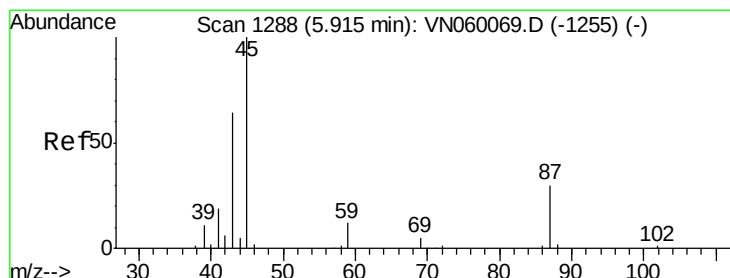
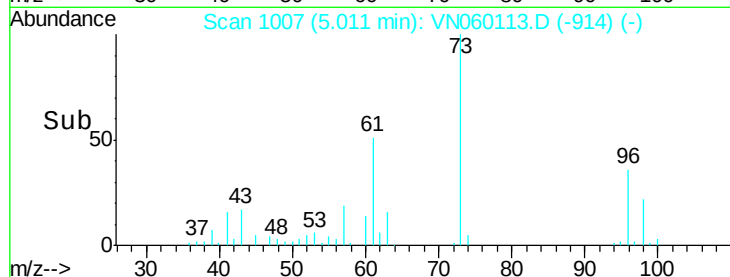
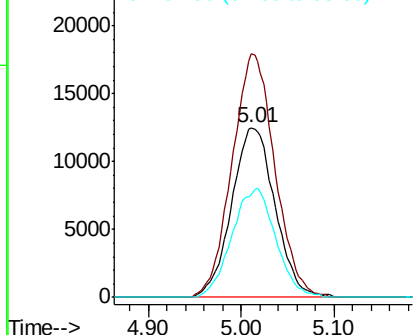
#21
trans-1,2-Dichloroethene
Concen: 19.119 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 40638
Ion Ratio Lower Upper
96 100
61 143.3 109.3 163.9
98 60.8 51.0 76.6

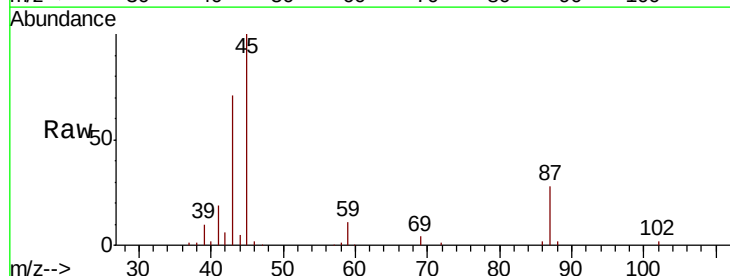


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

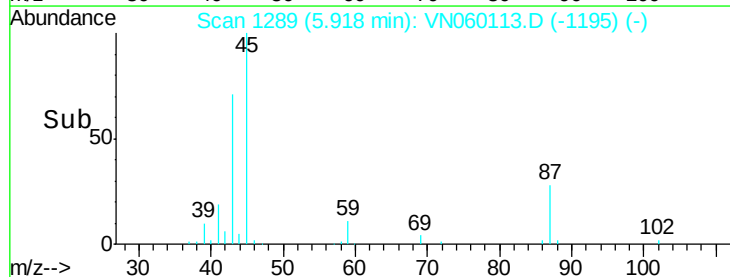
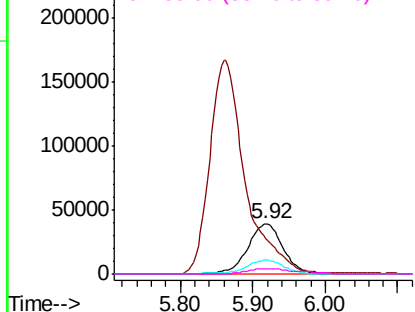


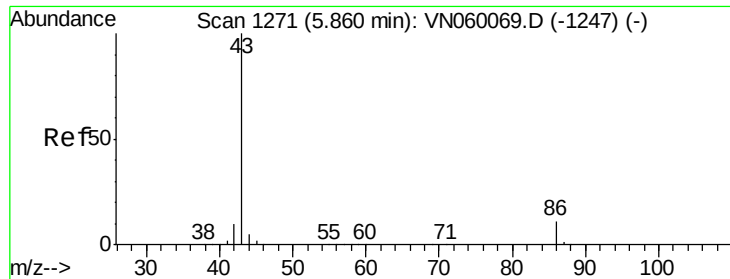
#22
Diisopropyl ether
Concen: 21.051 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 45 Resp: 132405
Ion Ratio Lower Upper
45 100
43 68.5 55.9 83.9
87 28.1 24.5 36.7
59 10.5 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

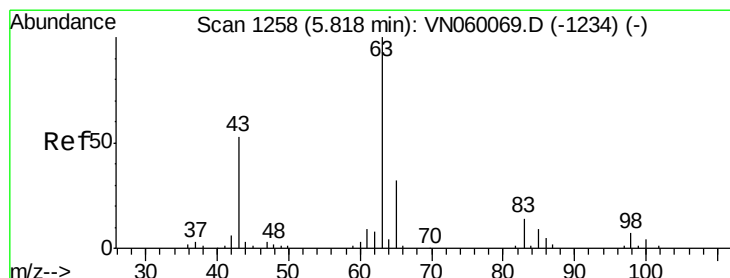
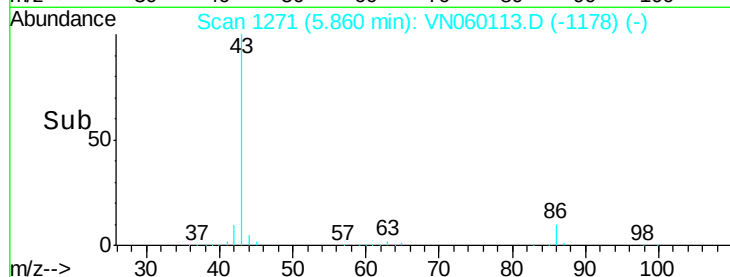
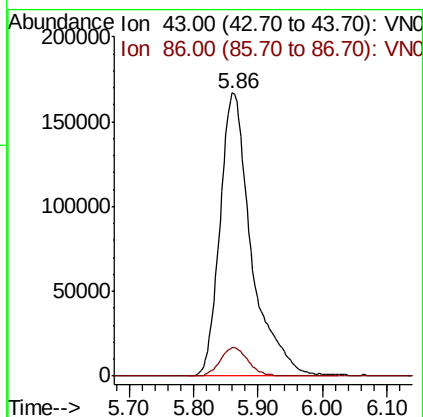
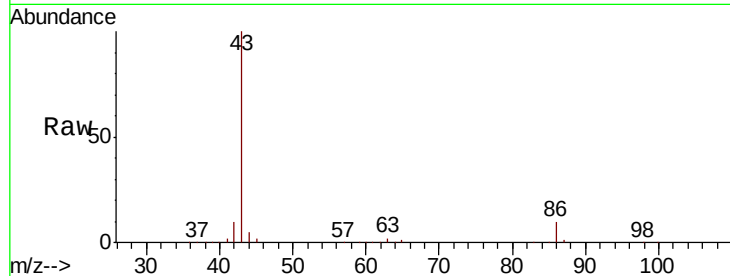




#23
 Vinyl Acetate
 Concen: 107.093 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

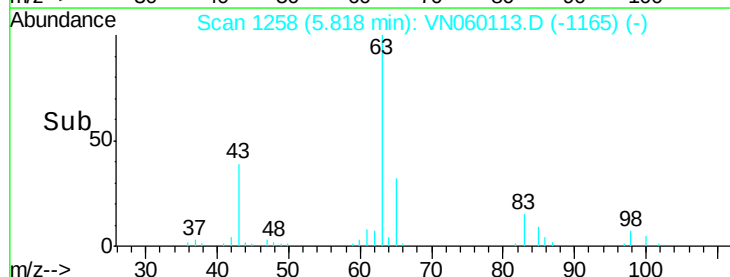
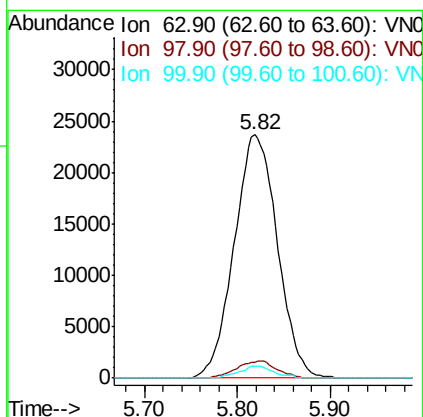
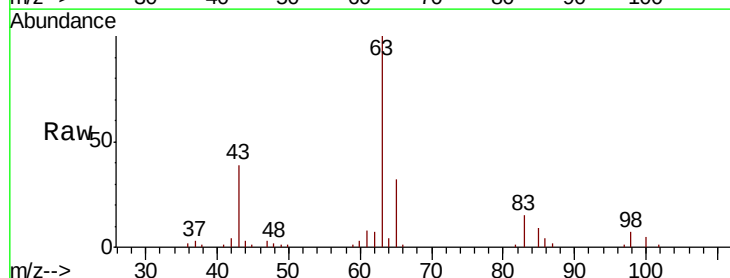
Instrument :
 MSVOA_N
 ClientSampleId :

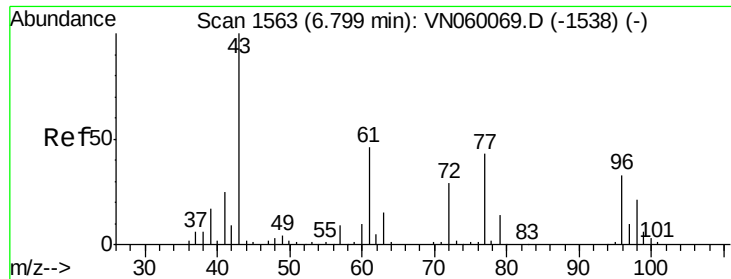
Tot Ion: 43 Resp: 565650
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 20.087 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion: 63 Resp: 76536
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.5
 100 5.0 2.2 6.6





#25

2-Butanone

Concen: 110.783 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

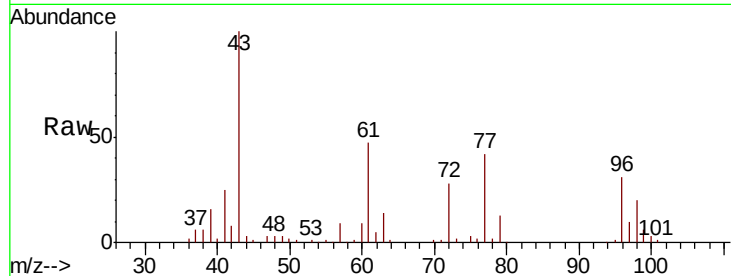
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 152514

Ion Ratio Lower Upper

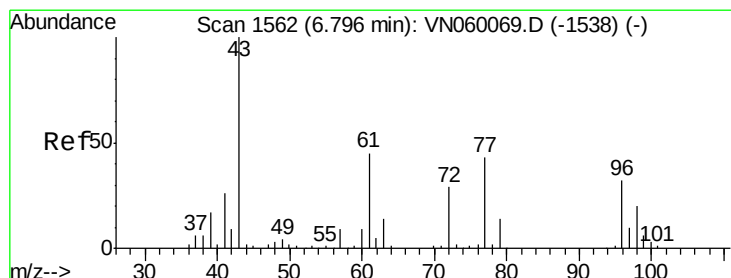
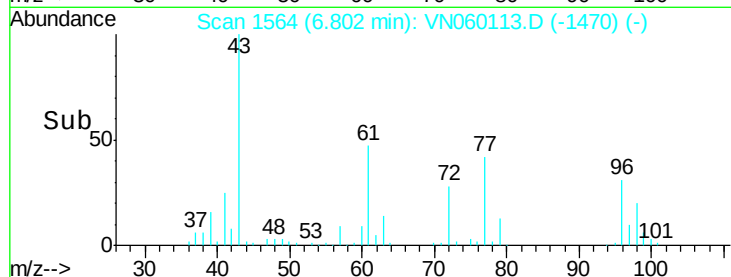
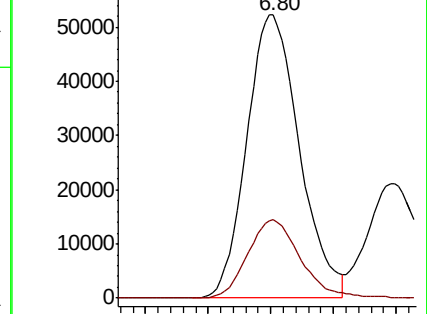
43 100

72 27.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)



#26

2,2-Dichloropropane

Concen: 19.664 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060113.D

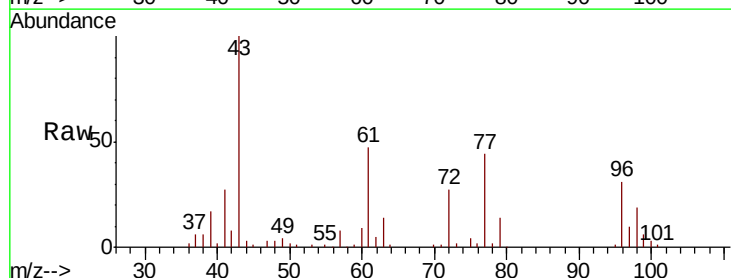
Acq: 17 Feb 2020 12:51

Tgt Ion: 77 Resp: 71163

Ion Ratio Lower Upper

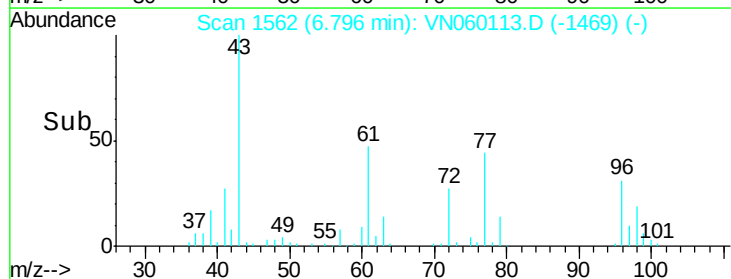
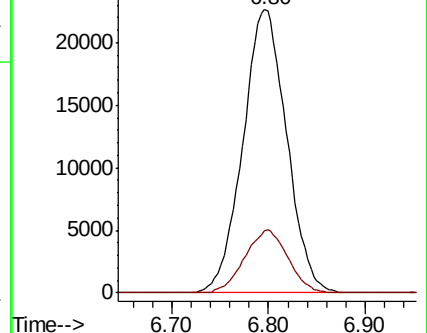
77 100

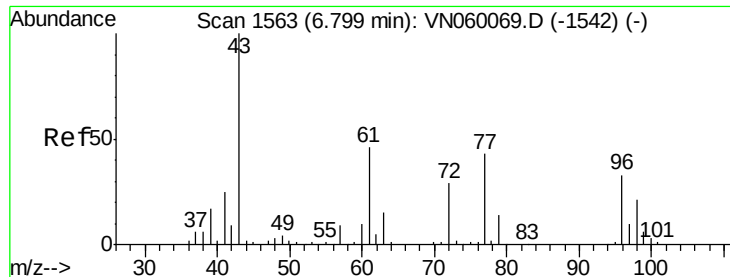
97 21.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.208 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampleId :

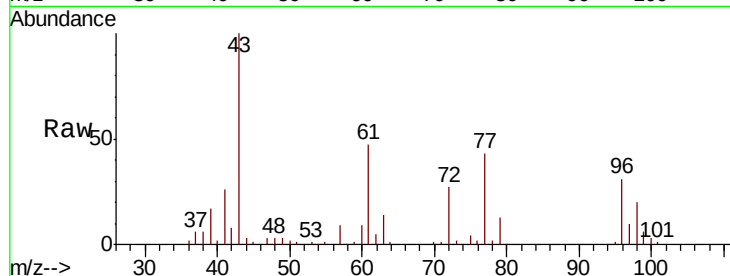
Tot Ion: 96 Resp: 47780

Ion Ratio Lower Upper

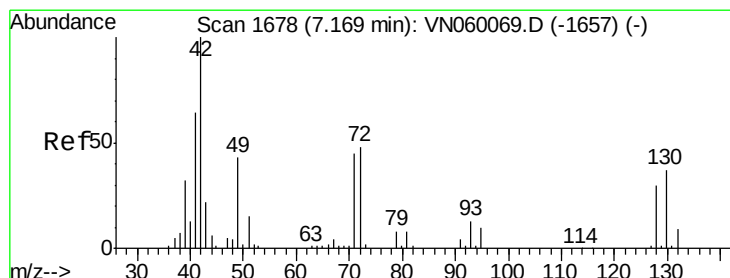
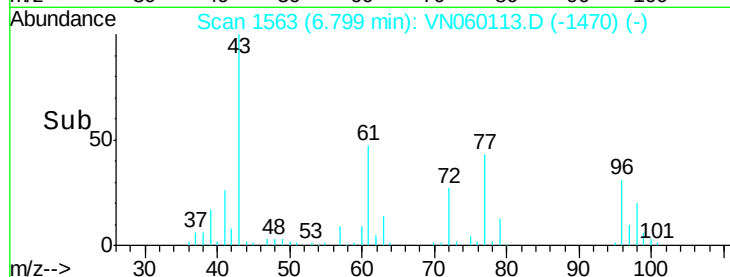
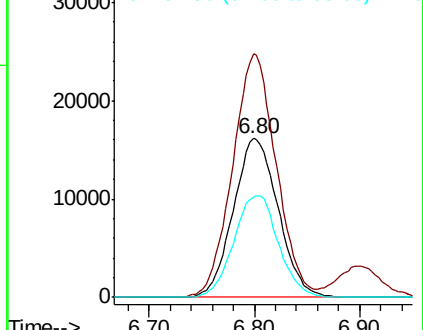
96 100

61 148.8 0.0 285.8

98 63.7 0.0 129.6



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



#28

Bromochloromethane

Concen: 22.335 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

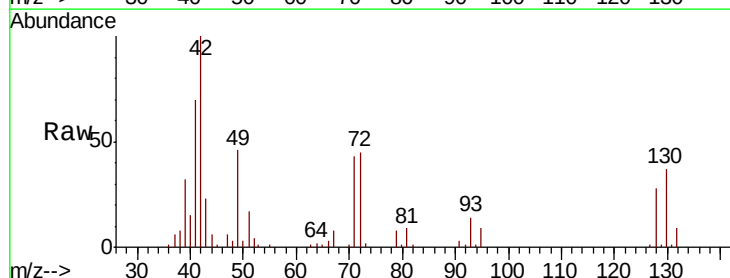
Tgt Ion: 49 Resp: 33456

Ion Ratio Lower Upper

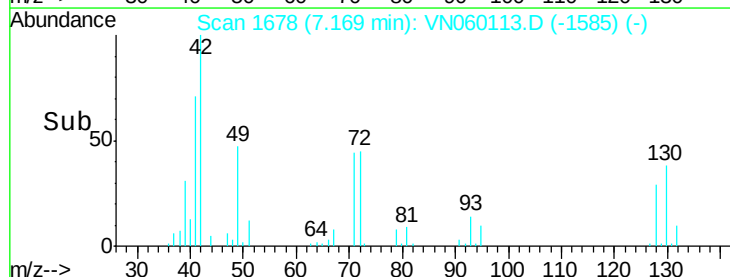
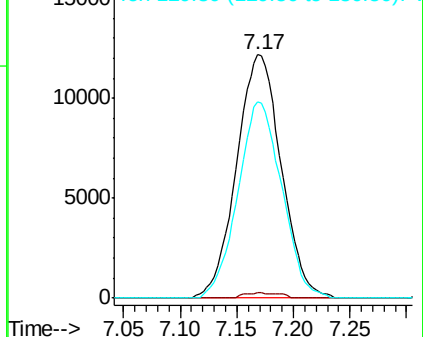
49 100

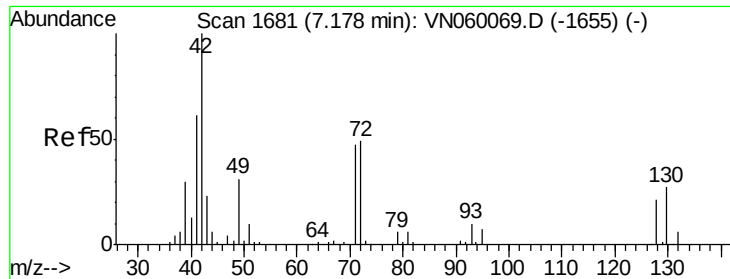
129 1.3 0.0 2.2

130 79.0 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

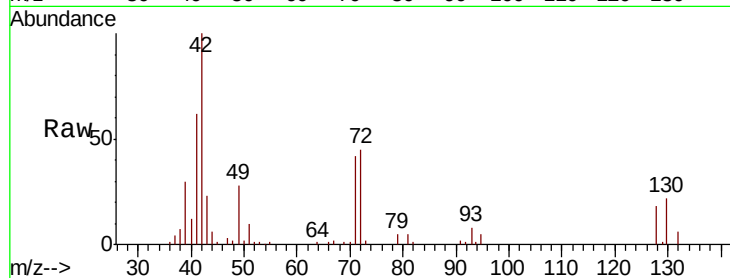




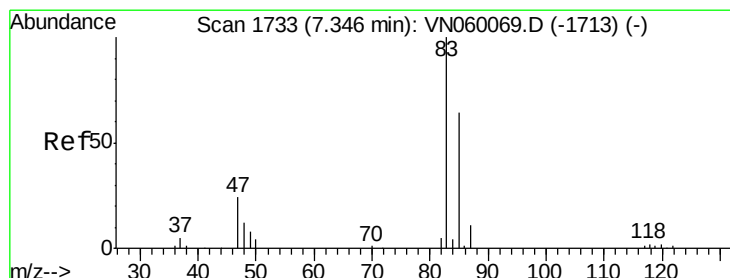
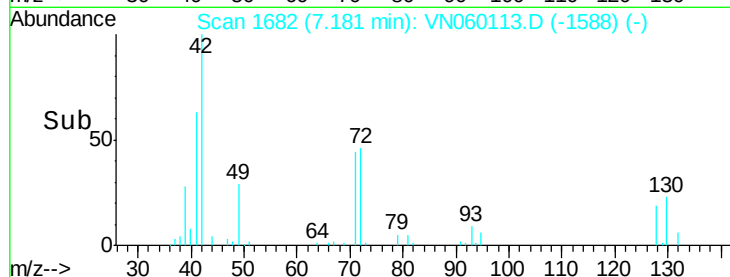
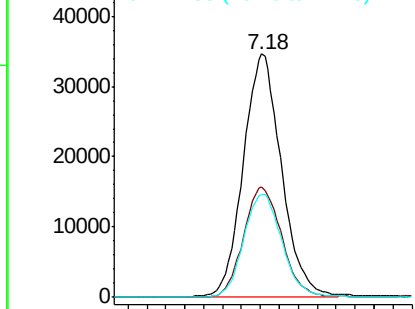
#29
Tetrahydrofuran
Concen: 115.317 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 97394
Ion Ratio Lower Upper
42 100
72 45.3 38.2 57.4
71 42.5 36.6 54.8

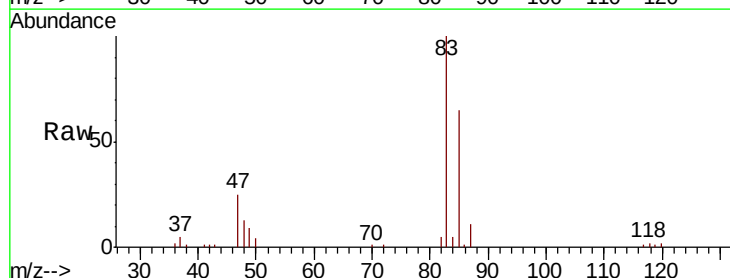


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

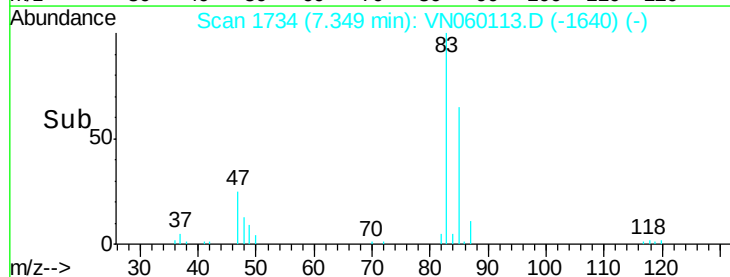
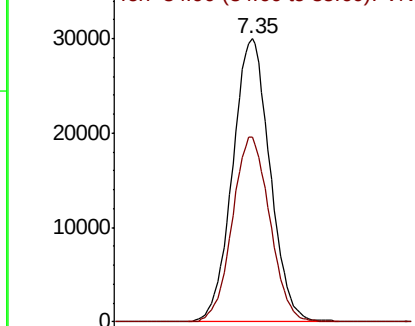


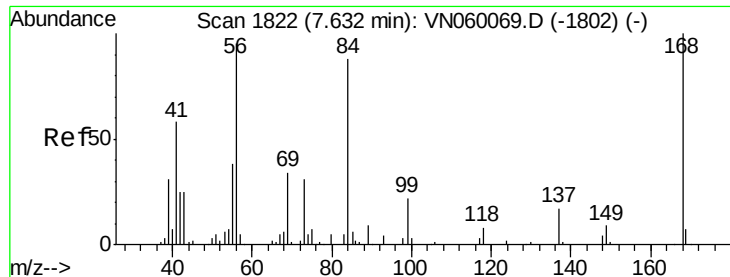
#30
Chloroform
Concen: 19.683 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 83 Resp: 78560
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.0



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

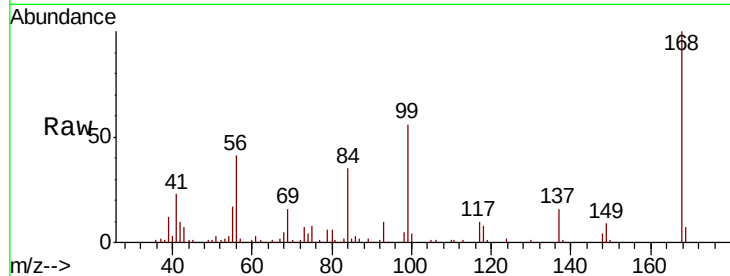




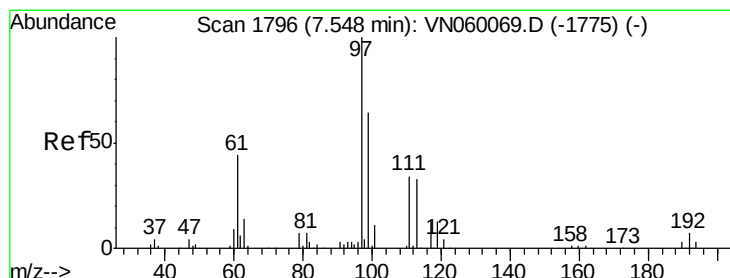
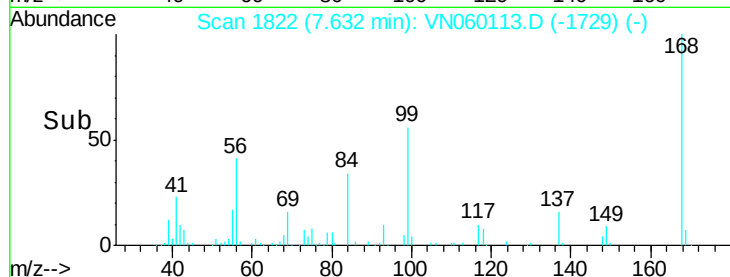
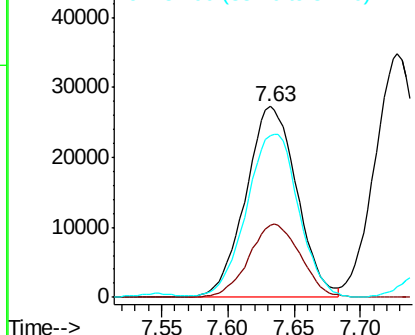
#31
Cyclohexane
Concen: 20.678 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 73392
Ion Ratio Lower Upper
56 100
69 38.1 28.3 42.5
84 84.1 72.6 108.8

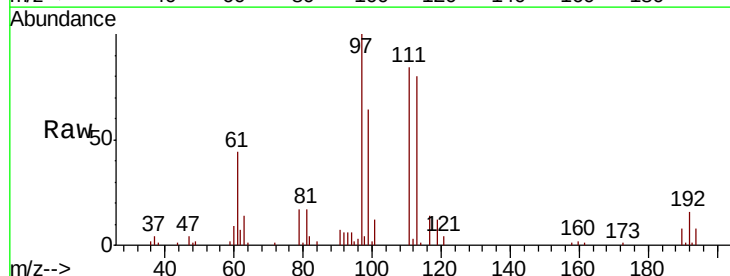


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

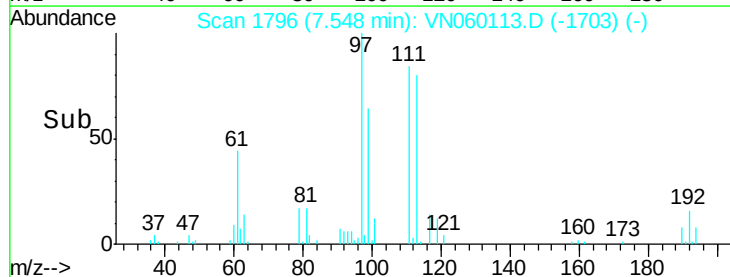
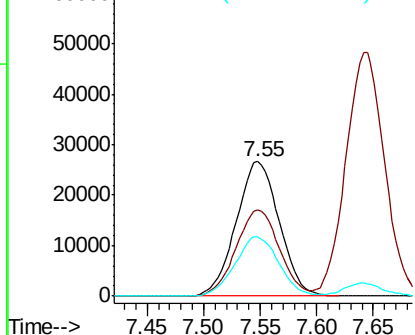


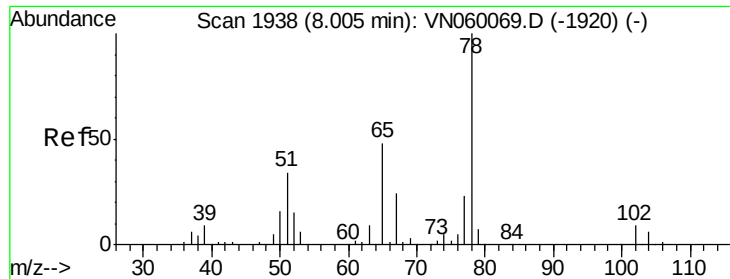
#32
1,1,1-Trichloroethane
Concen: 19.423 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 97 Resp: 70842
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.0
61 44.7 34.9 52.3



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

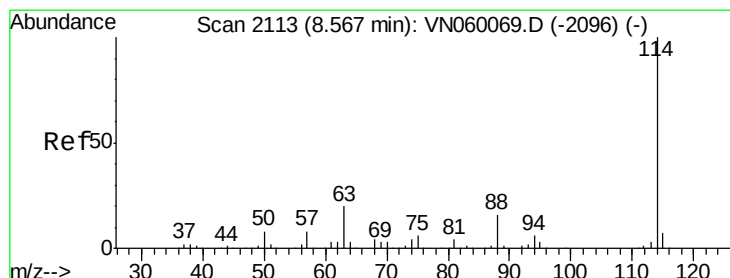
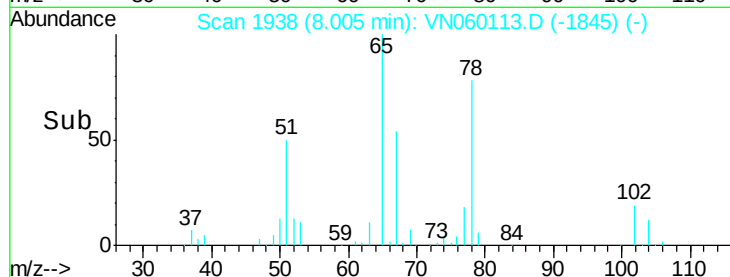
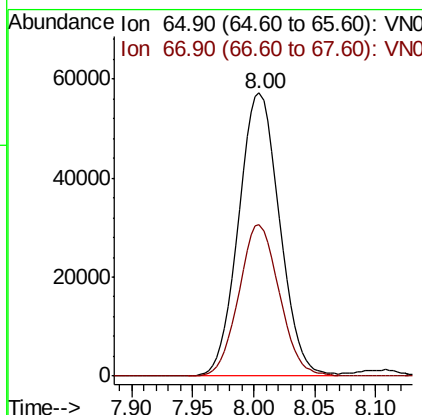
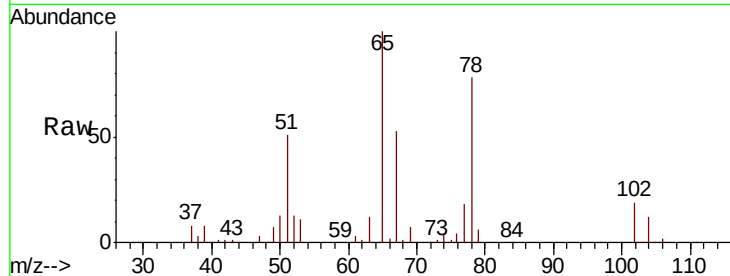




#33
 1,2-Dichloroethane-d4
 Concen: 53.026 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

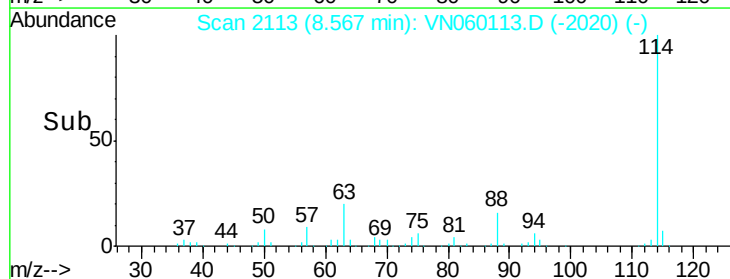
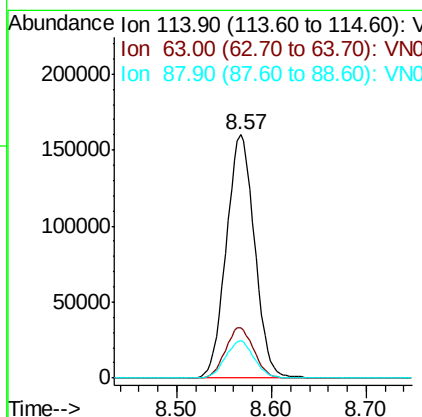
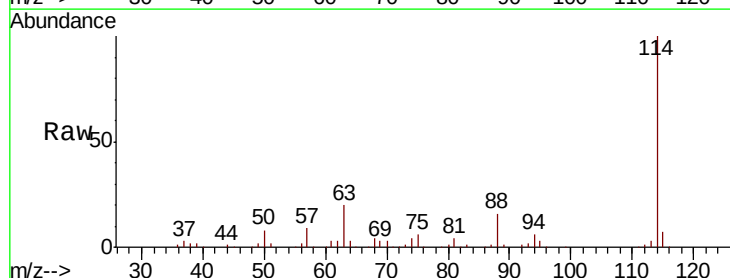
Instrument :
 MSVOA_N
 ClientSampleId :

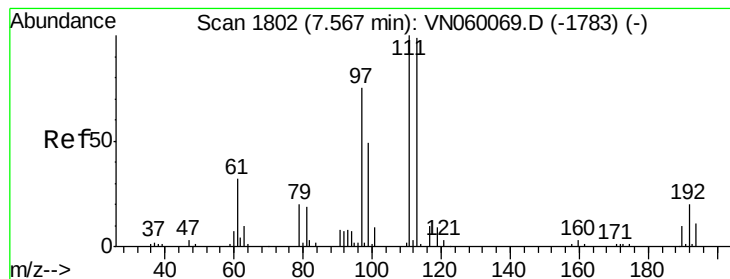
Tot Ion: 65 Resp: 133068
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion: 114 Resp: 333233
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.7 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.271 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampled :

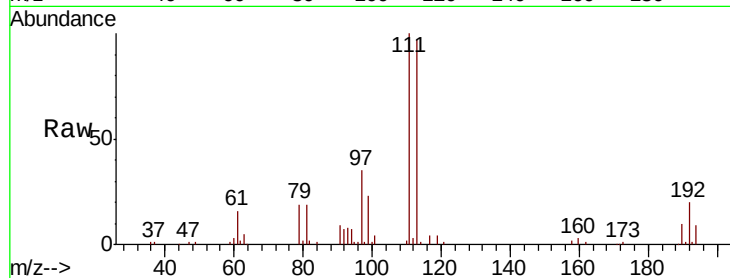
Tot Ion:113 Resp: 100926

Ion Ratio Lower Upper

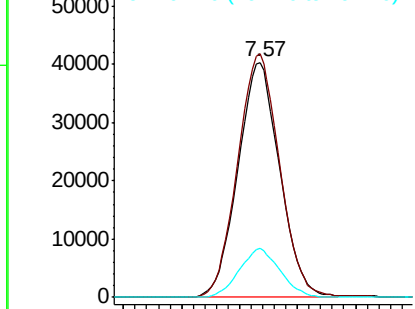
113 100

111 104.6 81.4 122.2

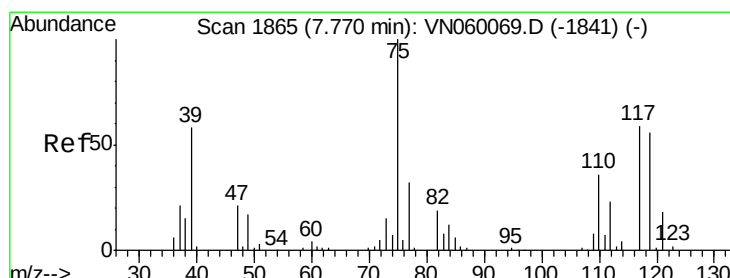
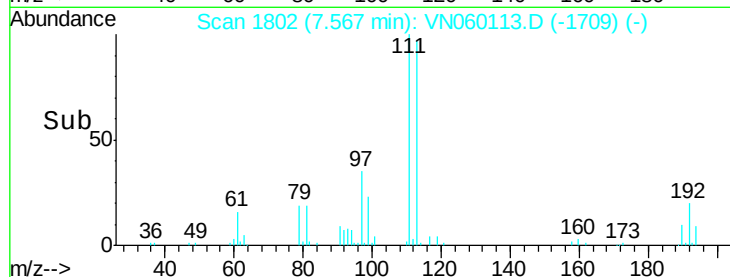
192 20.3 16.2 24.2



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



Time--> 7.45 7.50 7.55 7.60 7.65



#36

1,1-Dichloropropene

Concen: 18.869 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

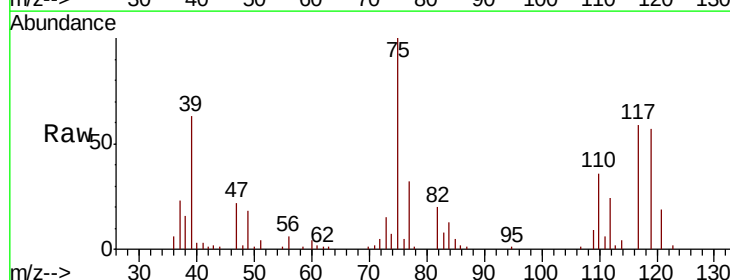
Tgt Ion: 75 Resp: 58241

Ion Ratio Lower Upper

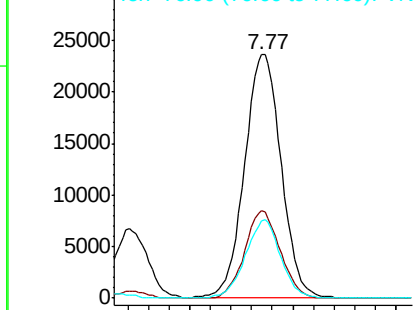
75 100

110 34.6 18.1 54.3

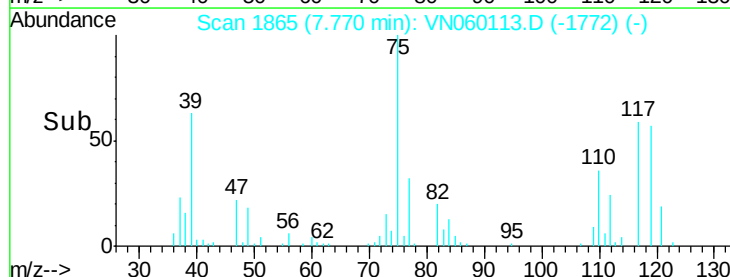
77 30.7 25.1 37.7

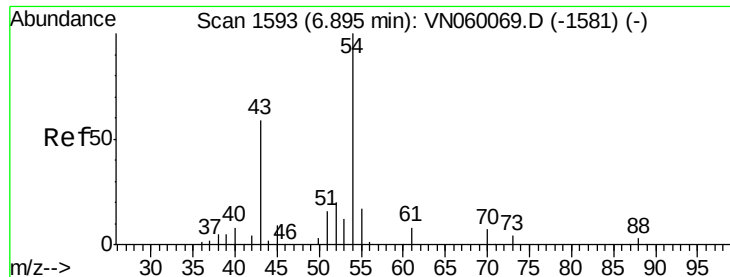


Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V



Time--> 7.70 7.80

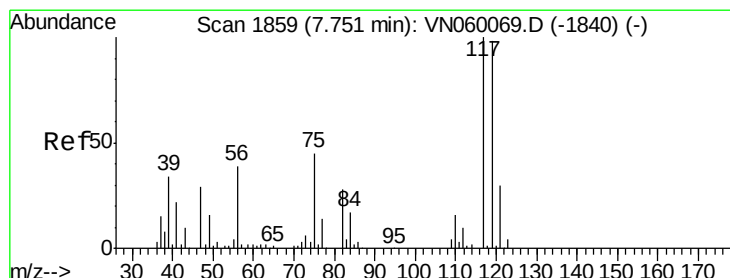
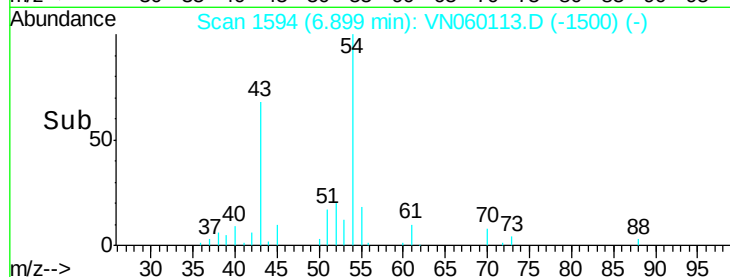
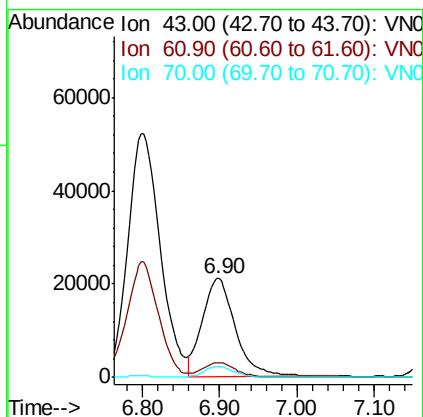
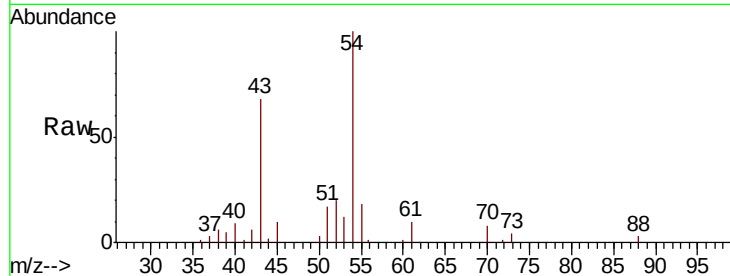




#37
Ethyl Acetate
Concen: 22.671 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

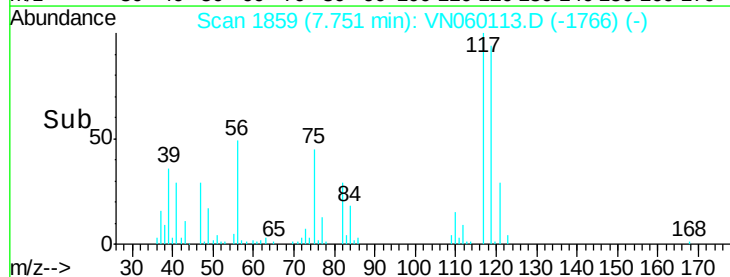
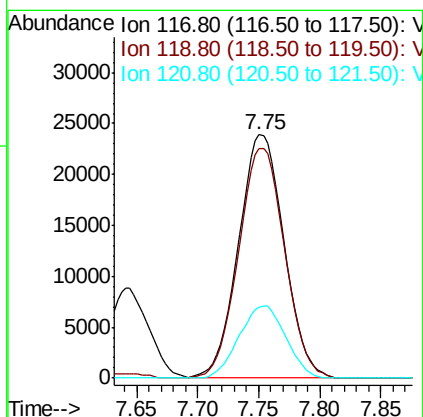
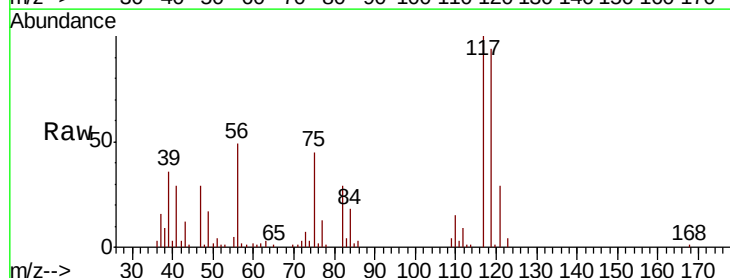
Instrument :
MSVOA_N
ClientSampleId :

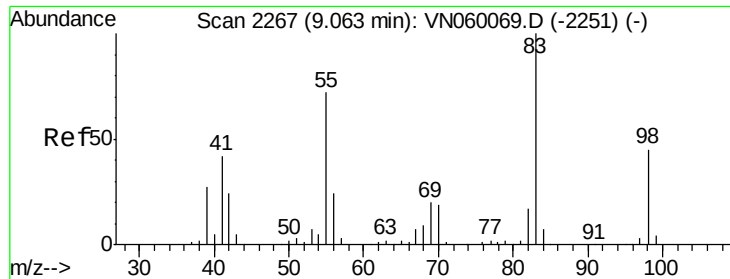
Tot Ion: 43 Resp: 63241
Ion Ratio Lower Upper
43 100
61 13.7 11.4 17.2
70 10.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.440 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 117 Resp: 61814
Ion Ratio Lower Upper
117 100
119 94.2 78.2 117.4
121 29.2 24.2 36.2

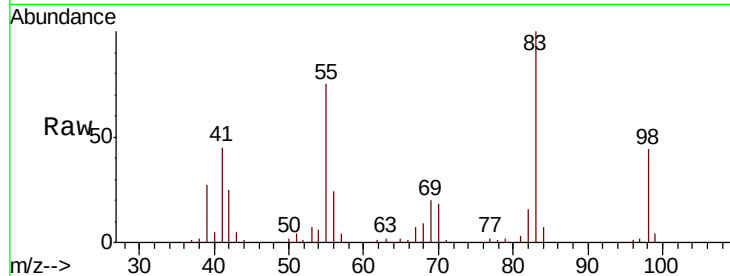




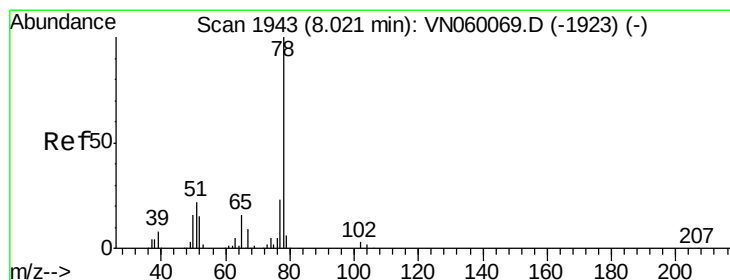
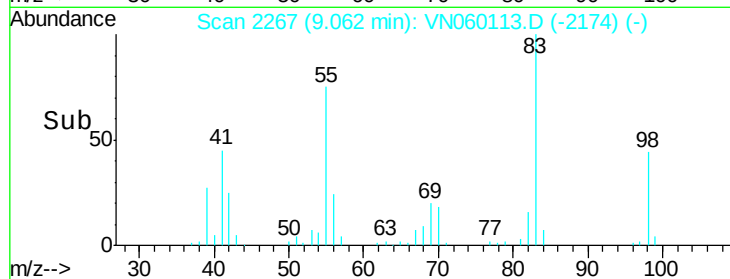
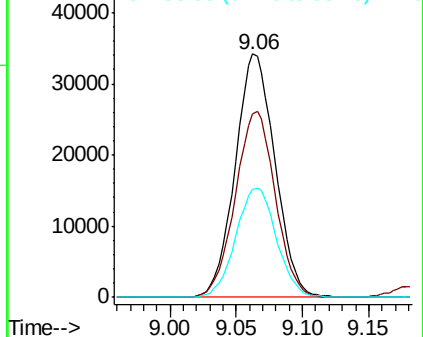
#39
Methylvlcyclohexane
Concen: 18.623 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 71354
Ion Ratio Lower Upper
83 100
55 75.2 57.8 86.8
98 44.1 36.4 54.6

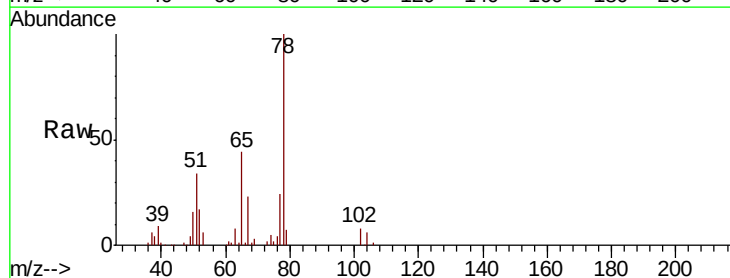


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

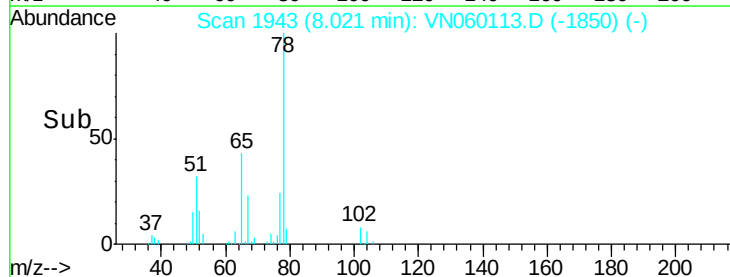
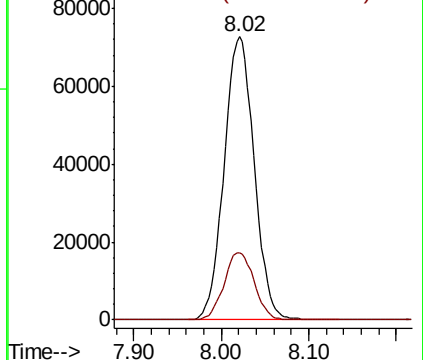


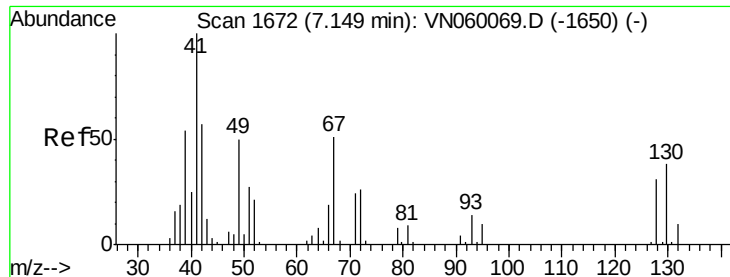
#40
Benzene
Concen: 18.951 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 78 Resp: 173513
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

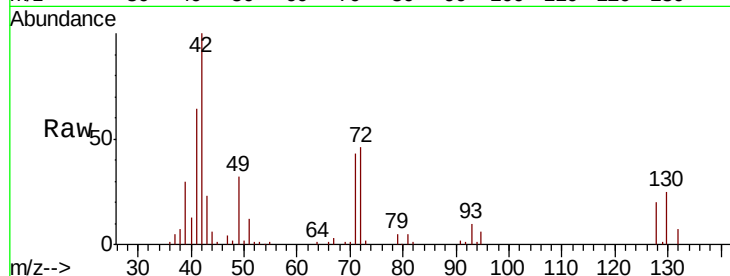




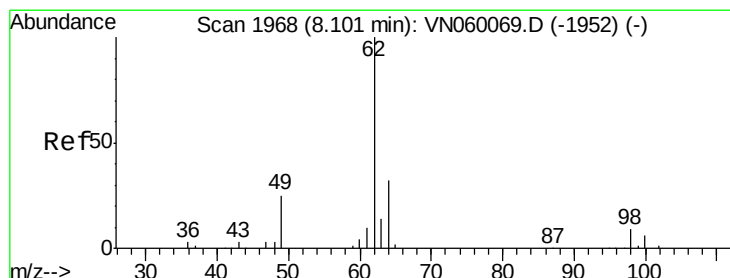
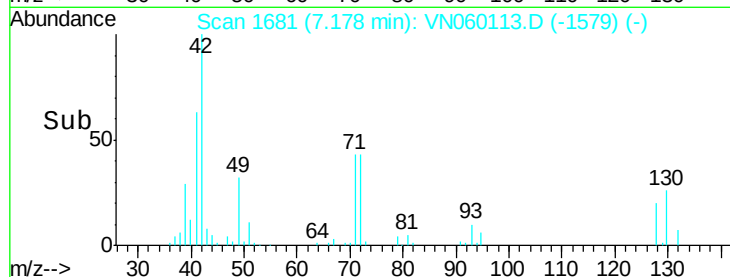
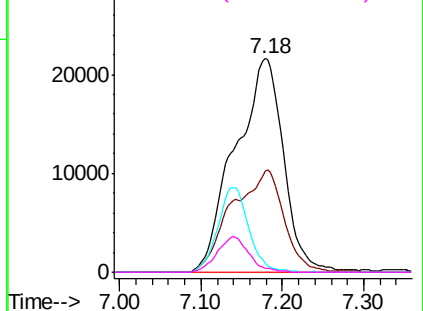
#41
Methacrylonitrile
Concen: 76.080 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	89002
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

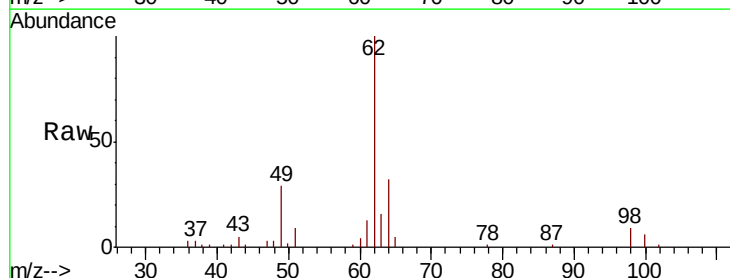


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

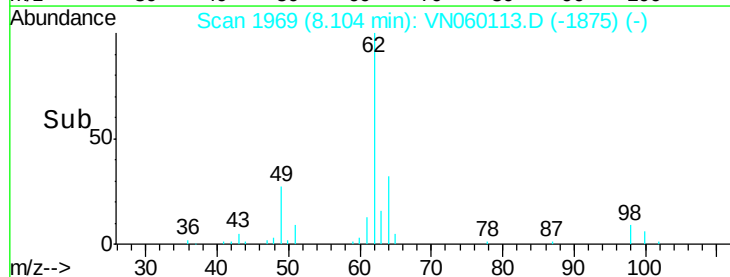
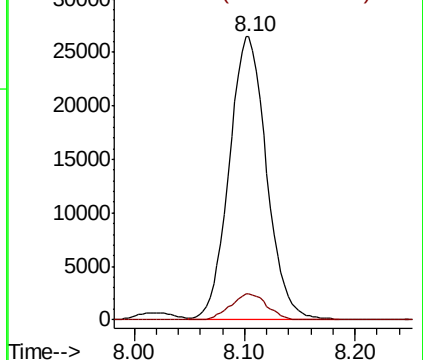


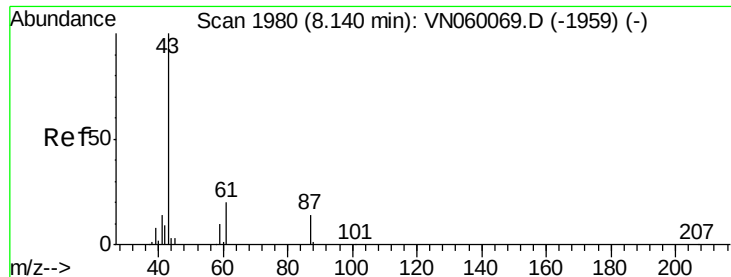
#42
1,2-Dichloroethane
Concen: 19.408 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion:	62	Resp:	62280
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.456 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampleId :

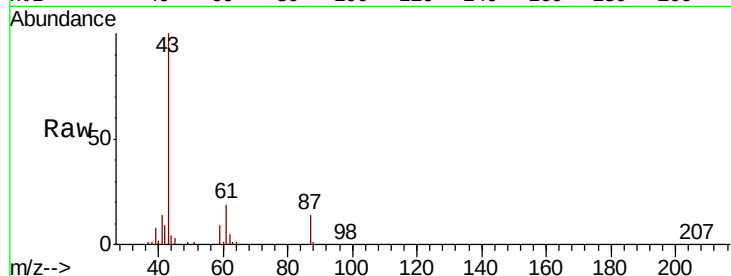
Tot Ion: 43 Resp: 102314

Ion Ratio Lower Upper

43 100

61 25.4 21.8 32.6

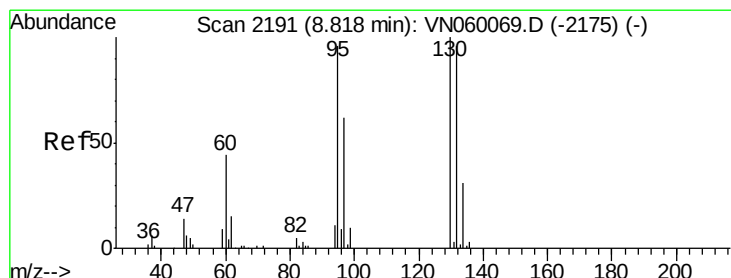
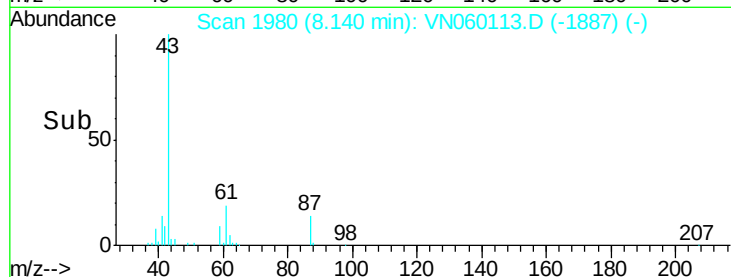
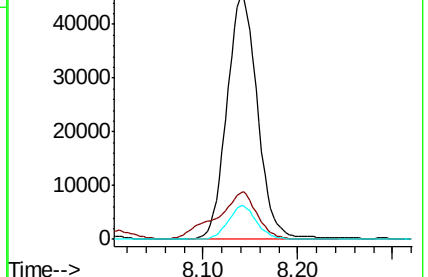
87 12.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060113.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060113.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060113.D (-1887) (-)



#44

Trichloroethene

Concen: 18.177 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060113.D

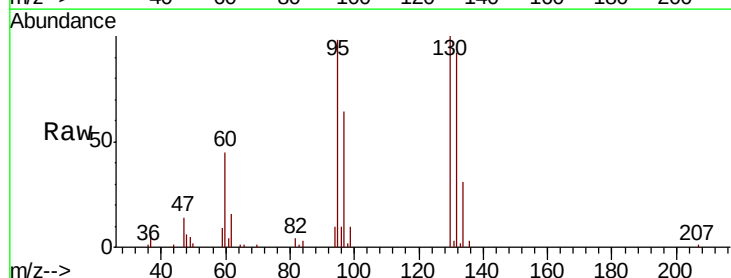
Acq: 17 Feb 2020 12:51

Tgt Ion: 130 Resp: 46083

Ion Ratio Lower Upper

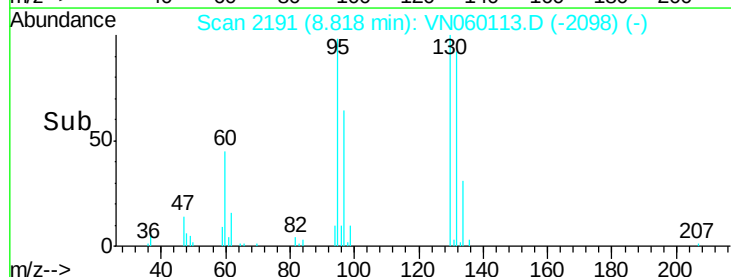
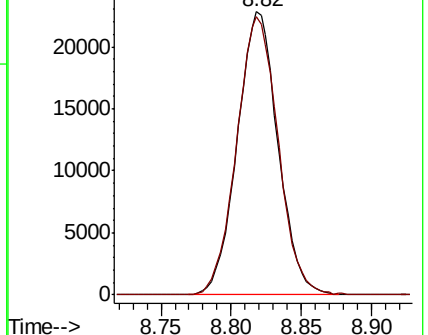
130 100

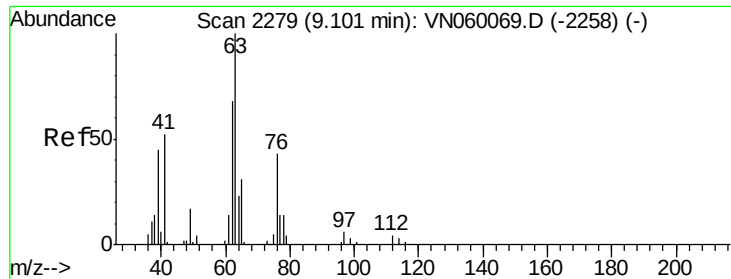
95 98.2 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060113.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060113.D (-2098) (-)

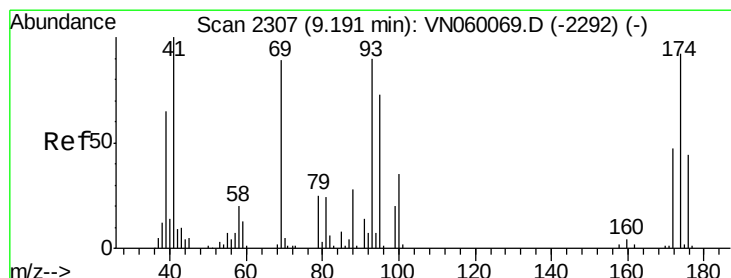
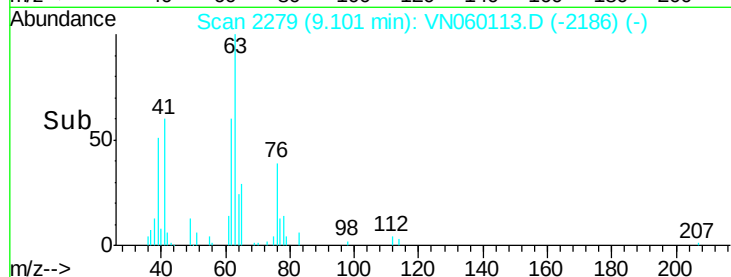
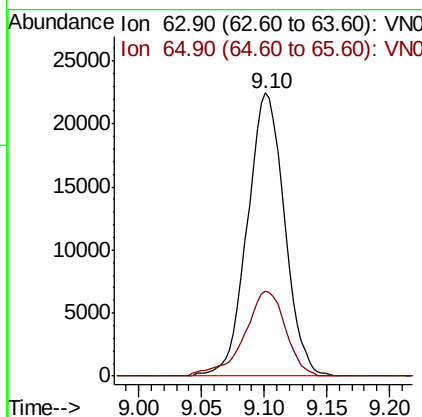
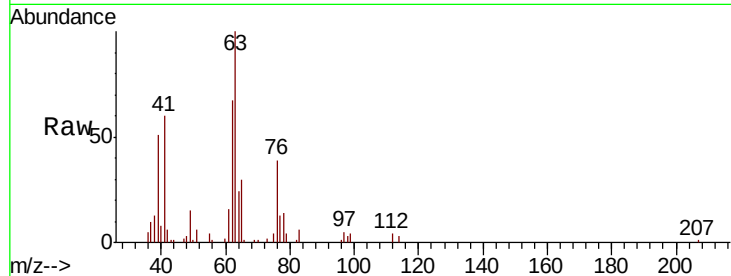




#45
 1,2-Dichloropropane
 Concen: 20.431 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

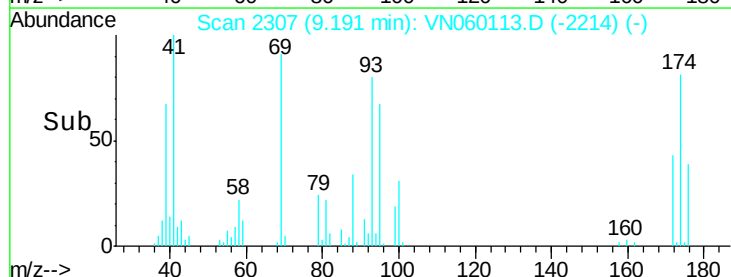
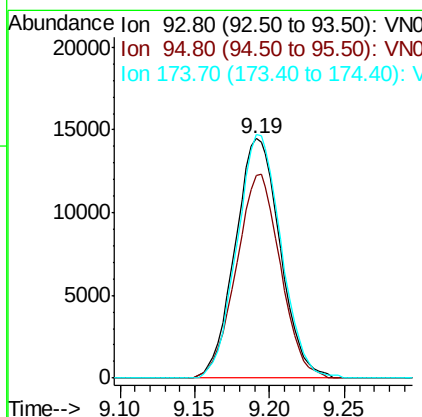
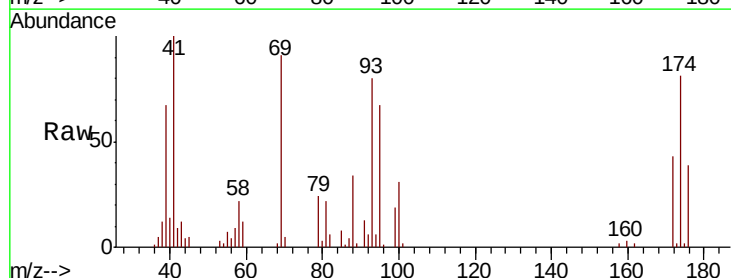
Instrument :
 MSVOA_N
 ClientSampled :

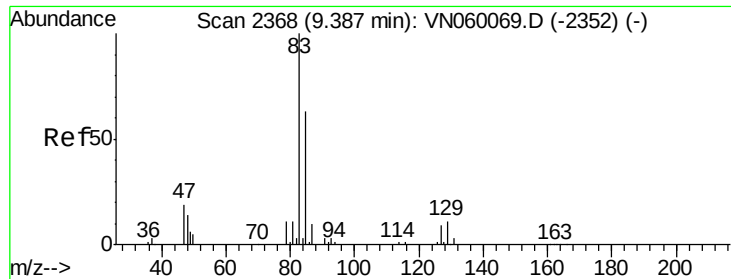
Tot Ion: 63 Resp: 46312
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.4



#46
 Dibromomethane
 Concen: 18.931 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion: 93 Resp: 30325
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.0 97.6
 174 99.6 82.3 123.5





#47

Bromodichloromethane

Concen: 18.735 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampled :

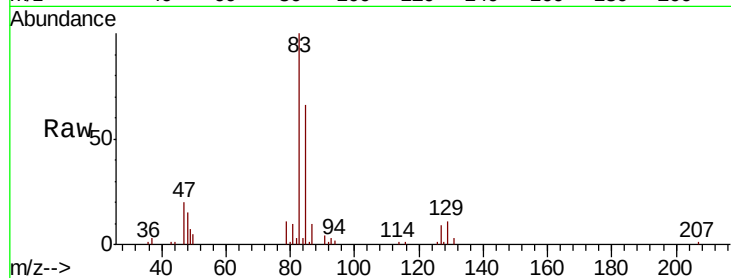
Tot Ion: 83 Resp: 61015

Ion Ratio Lower Upper

83 100

85 65.6 50.6 75.8

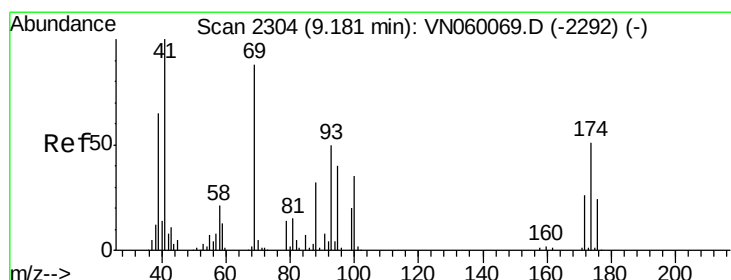
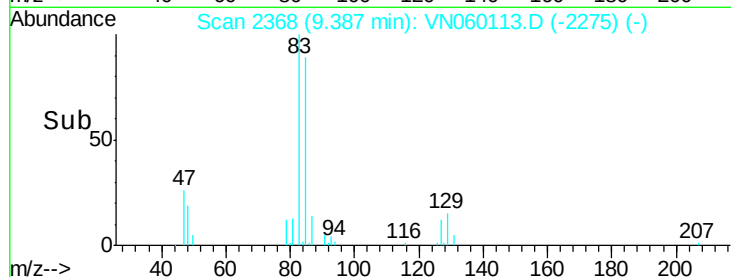
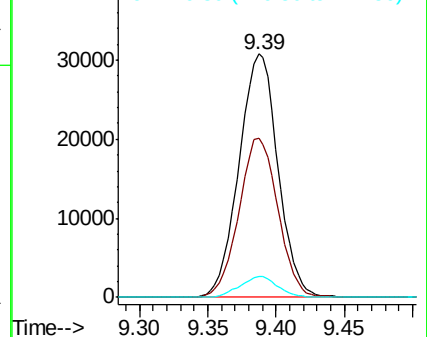
127 8.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN060113.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060113.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060113.D (-2275) (-)



#48

Methyl methacrylate

Concen: 19.801 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

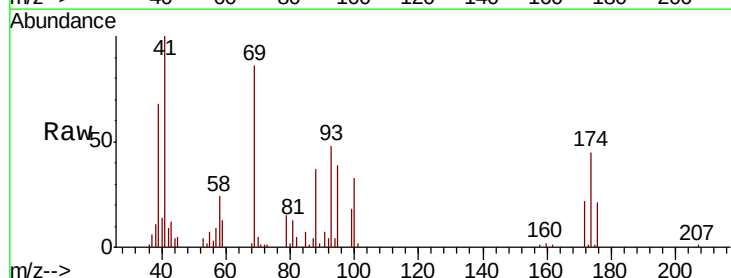
Tgt Ion: 41 Resp: 42363

Ion Ratio Lower Upper

41 100

69 89.6 72.0 108.0

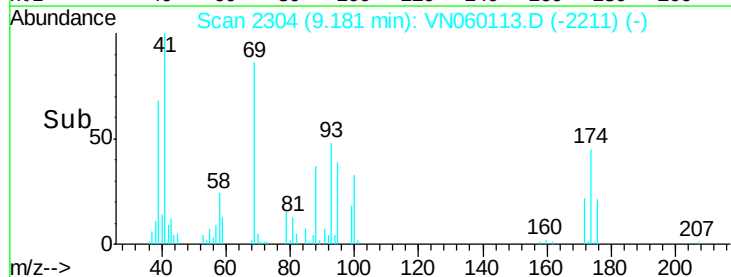
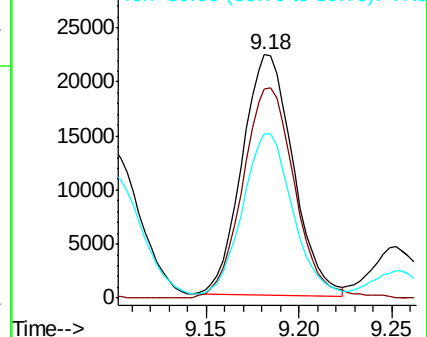
39 65.7 54.1 81.1

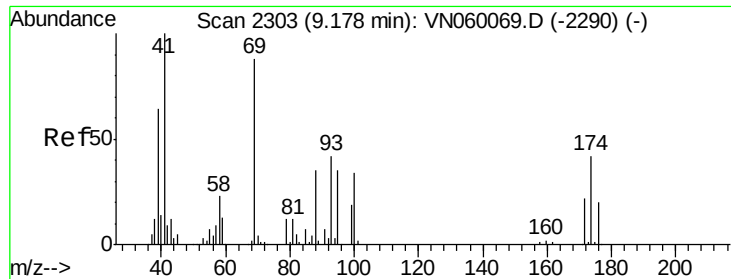


Abundance Ion 41.00 (40.70 to 41.70): VN060113.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060113.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060113.D (-2211) (-)

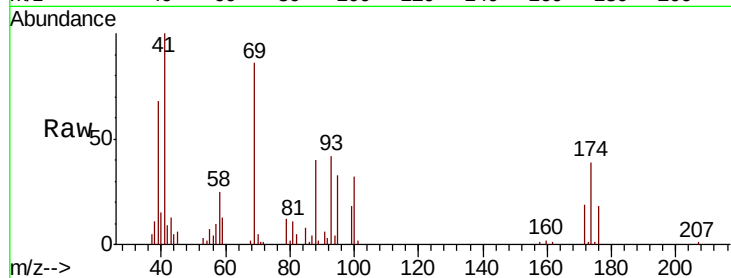




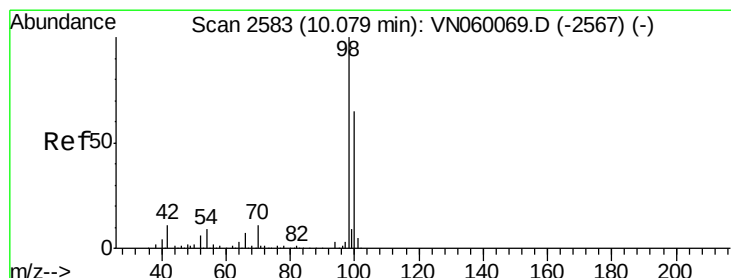
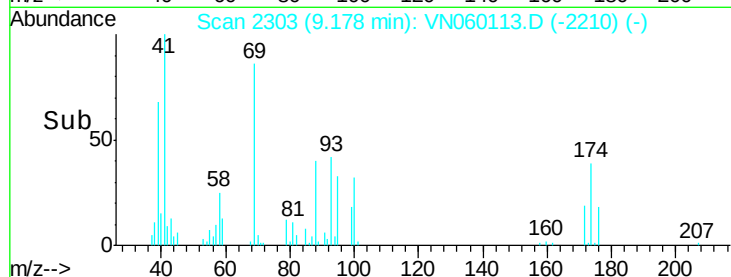
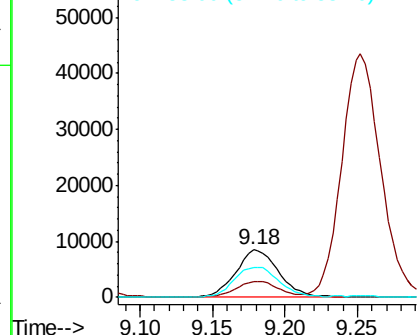
#49
1,4-Dioxane
Concen: 477.588 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 17458
Ion Ratio Lower Upper
88 100
43 34.3 26.2 39.2
58 67.0 53.2 79.8

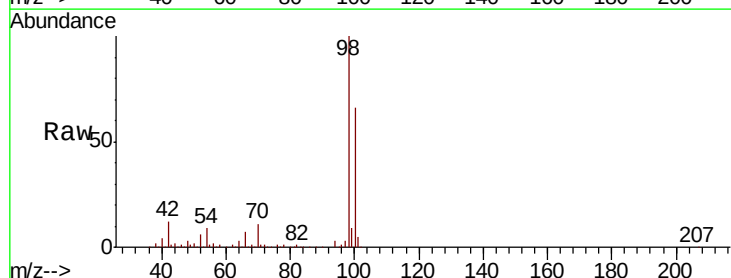


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

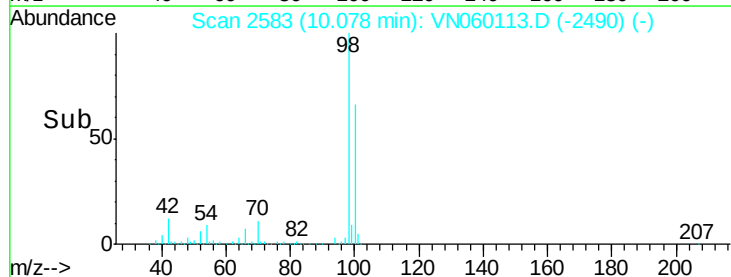
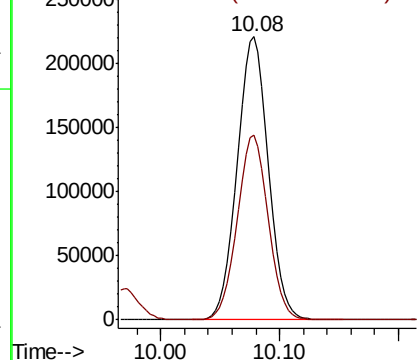


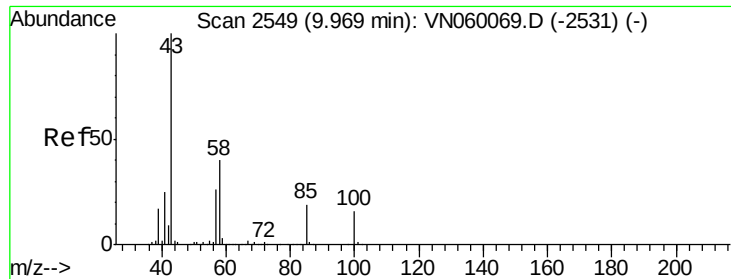
#50
Toluene-d8
Concen: 49.626 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion: 98 Resp: 400304
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



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

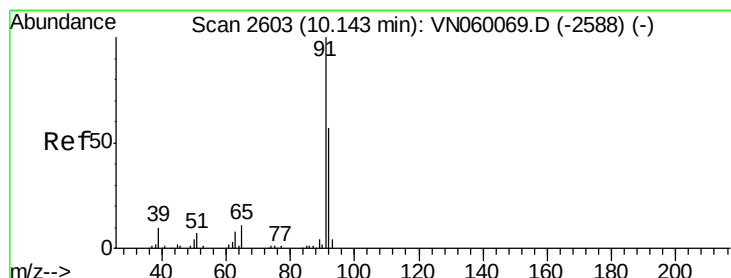
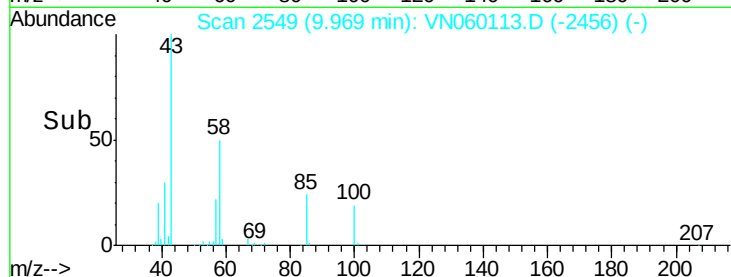
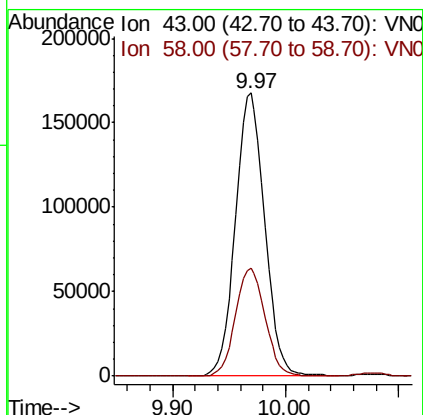
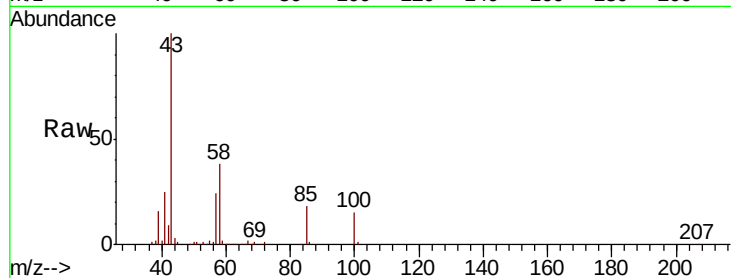




#51
 4-Methyl-2-Pentanone
 Concen: 109.480 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

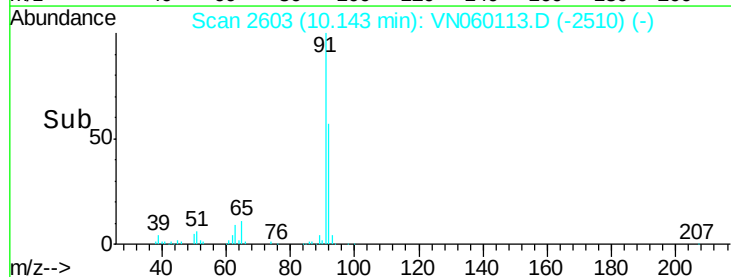
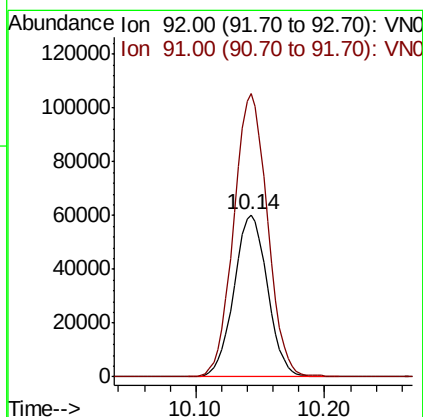
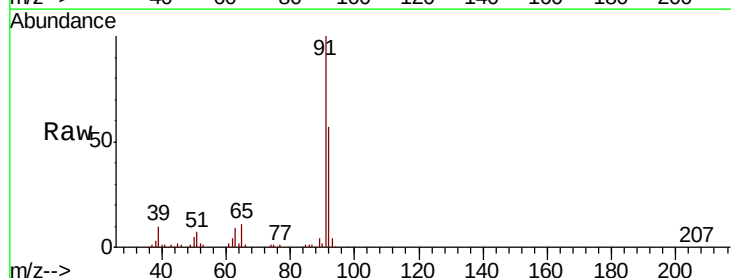
Instrument :
 MSVOA_N
 ClientSampled :

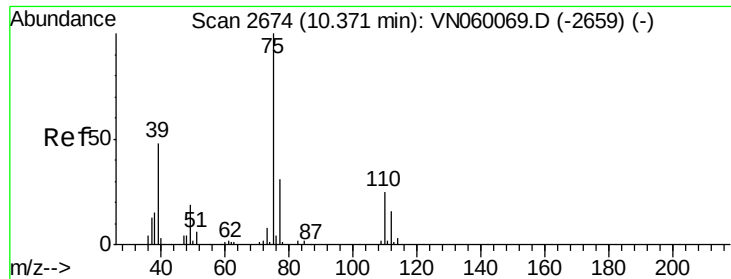
Tot Ion: 43 Resp: 302171
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.8 47.8



#52
 Toluene
 Concen: 18.533 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion: 92 Resp: 108814
 Ion Ratio Lower Upper
 92 100
 91 176.2 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 19.286 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

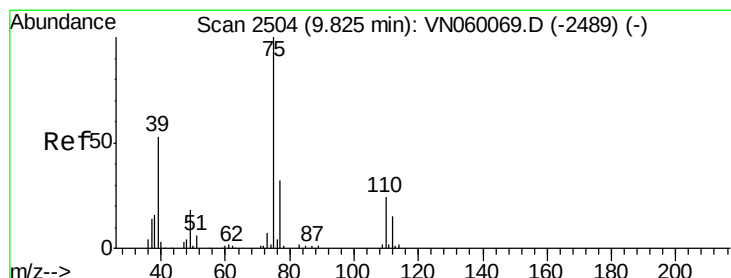
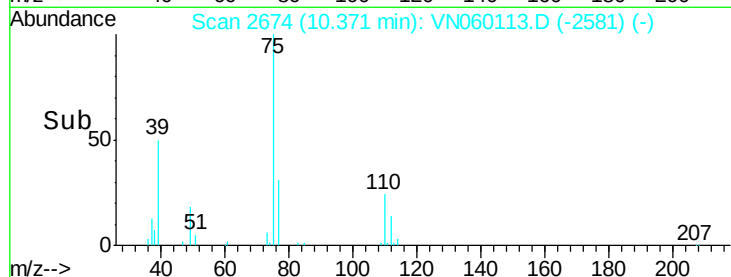
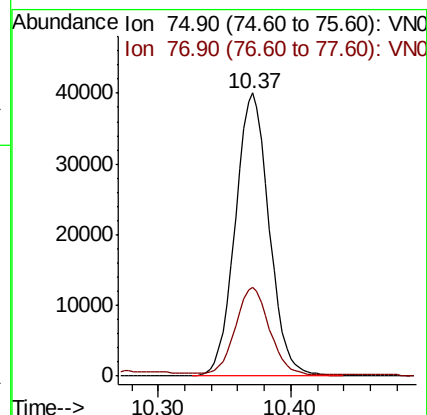
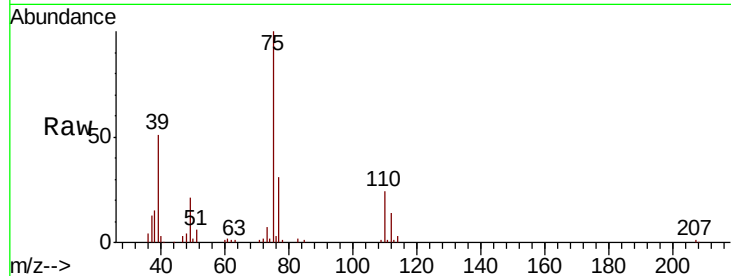
ClientSampleId :

Tot Ion: 75 Resp: 70895

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.317 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

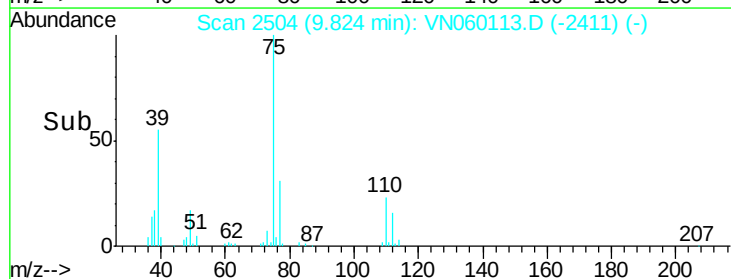
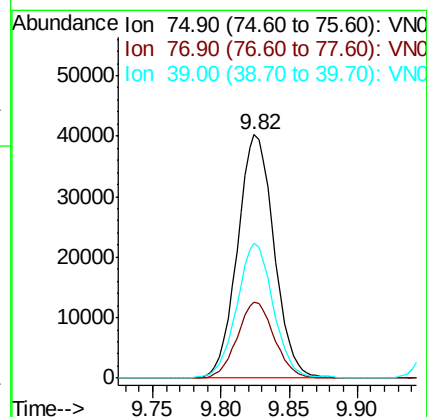
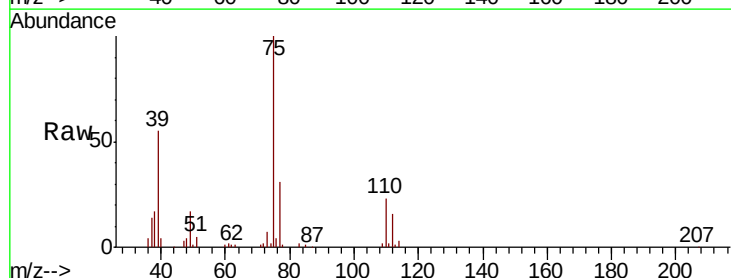
Tgt Ion: 75 Resp: 74773

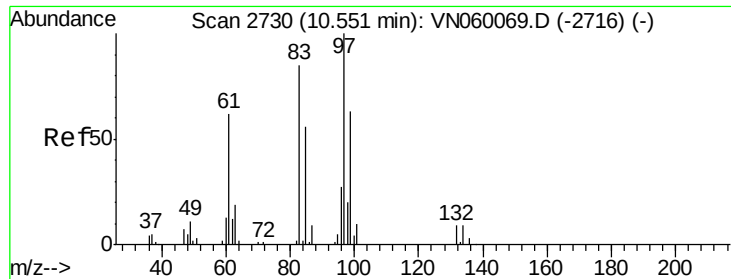
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 55.3 42.2 63.4

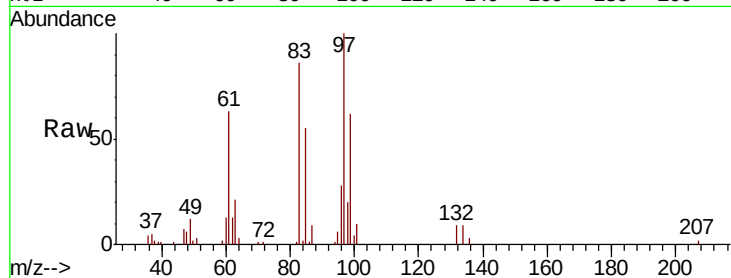




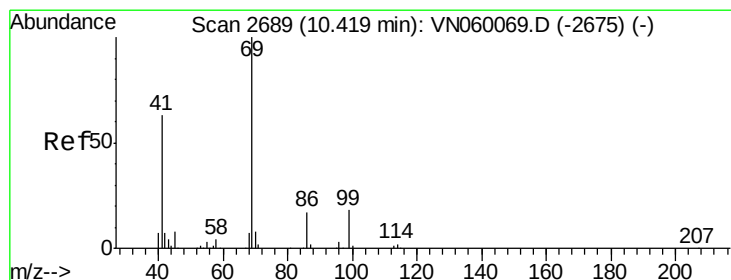
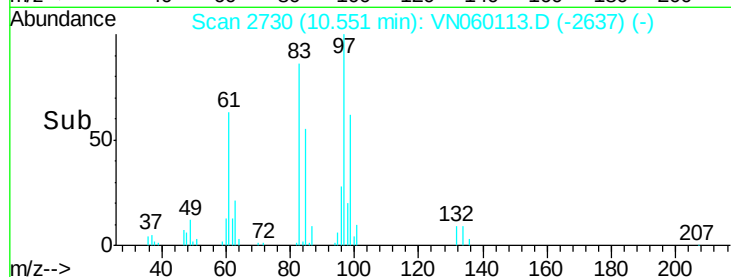
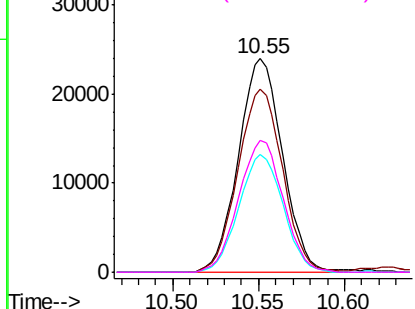
#55
 1,1,2-Trichloroethane
 Concen: 18.606 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	42619
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.9	101.9
85	55.1	44.6	67.0
99	61.8	50.1	75.1

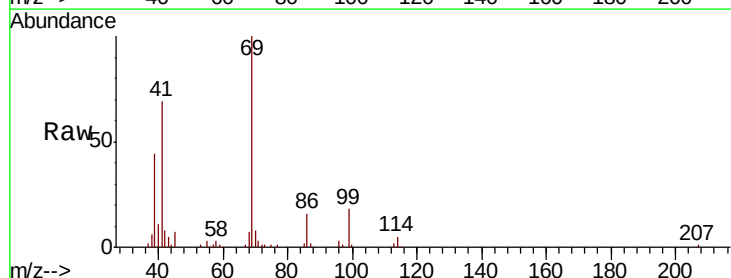


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

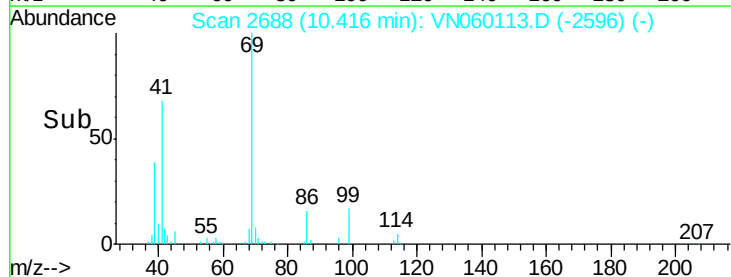
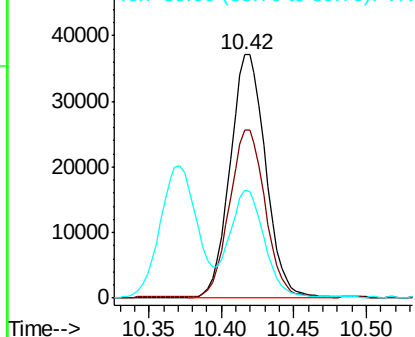


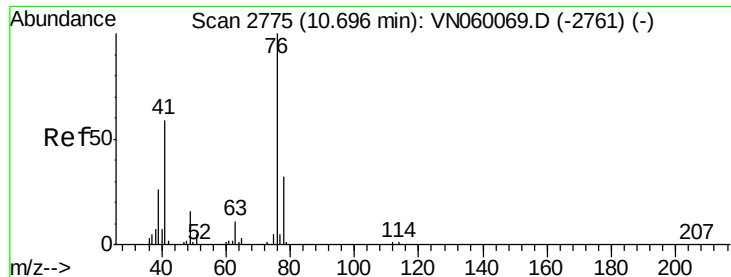
#56
 Ethyl methacrylate
 Concen: 19.545 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion:	69	Resp:	63332
Ion	Ratio	Lower	Upper
69	100		
41	70.5	51.1	76.7
39	42.3	33.8	50.8



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





#57

1,3-Dichloropropane

Concen: 19.019 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

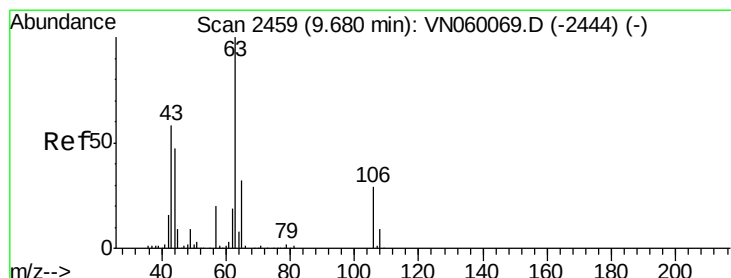
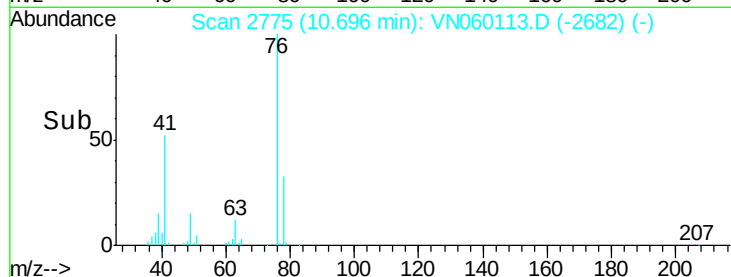
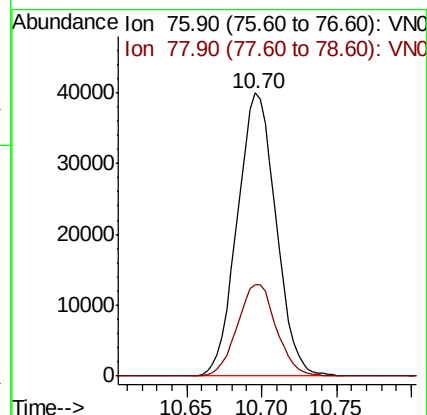
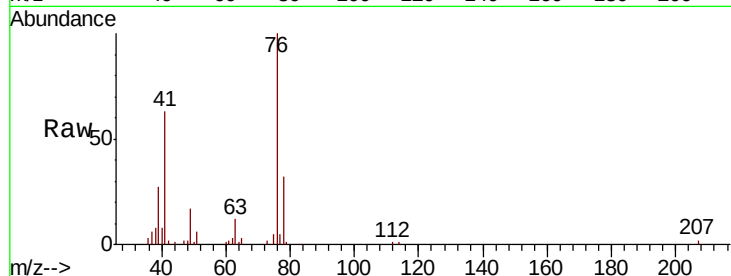
ClientSampled :

Tot Ion: 76 Resp: 71882

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 106.210 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060113.D

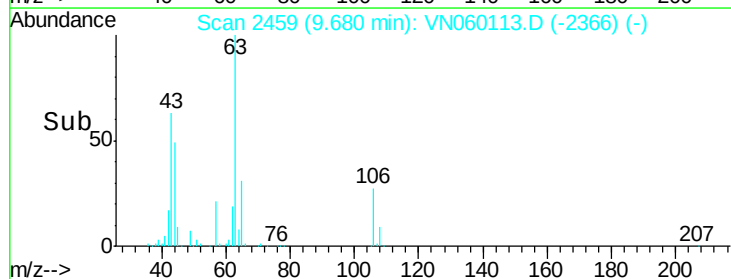
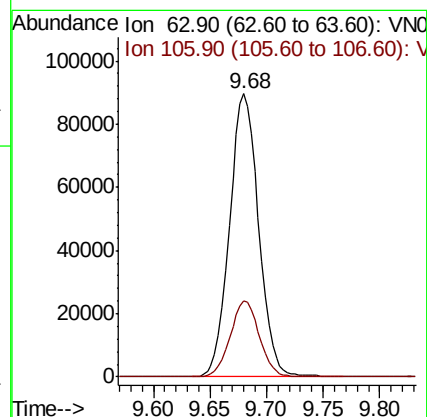
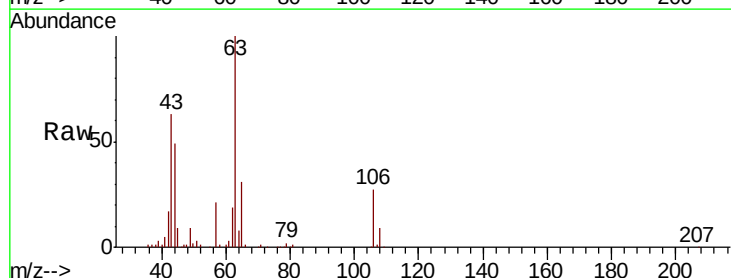
Acq: 17 Feb 2020 12:51

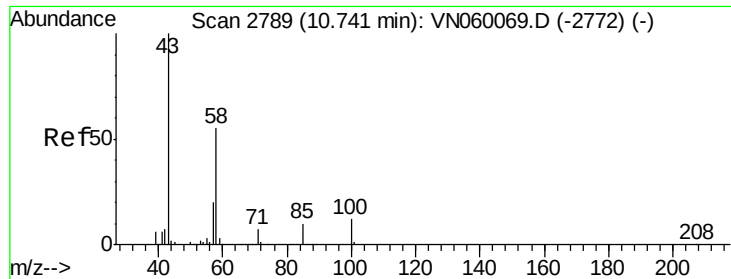
Tgt Ion: 63 Resp: 160329

Ion Ratio Lower Upper

63 100

106 26.9 22.9 34.3

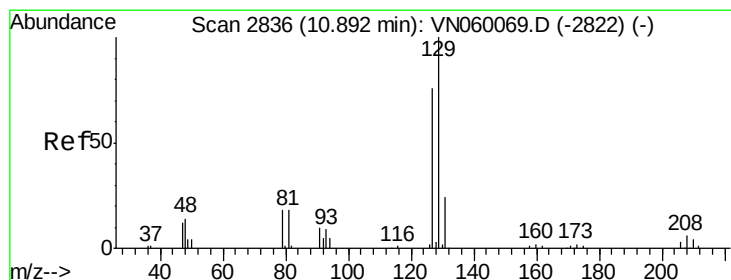
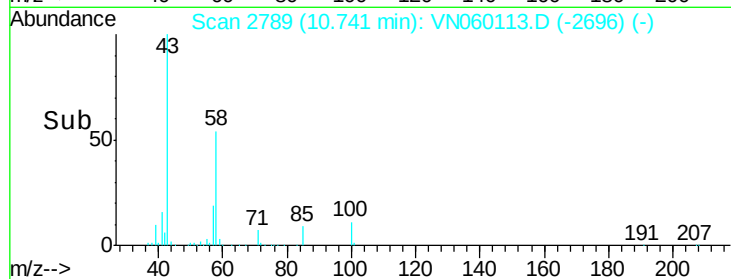
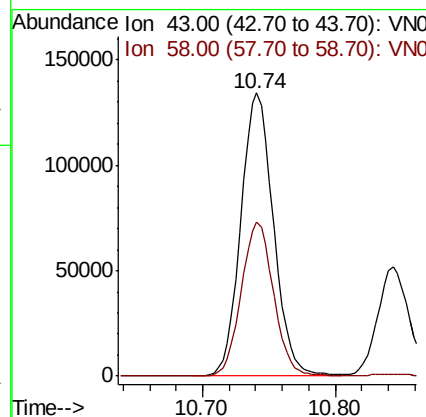
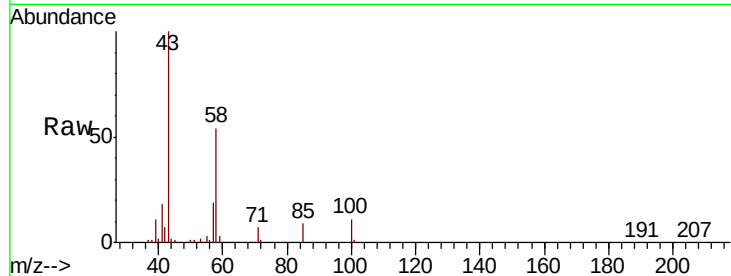




#59
2-Hexanone
Concen: 107.725 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

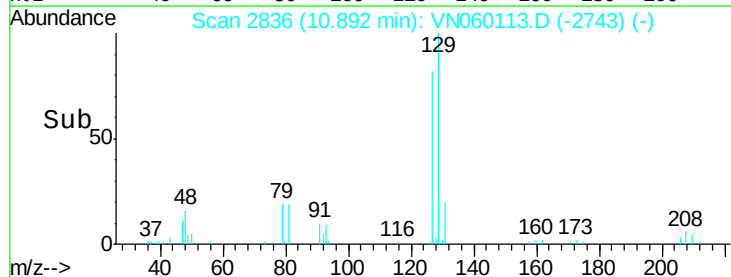
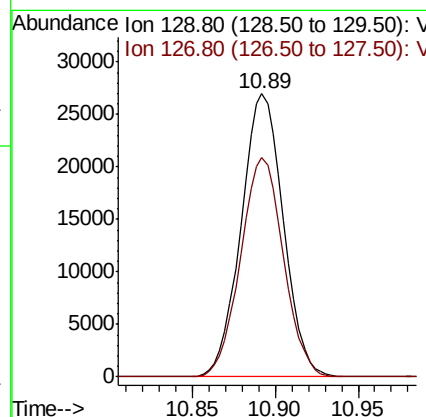
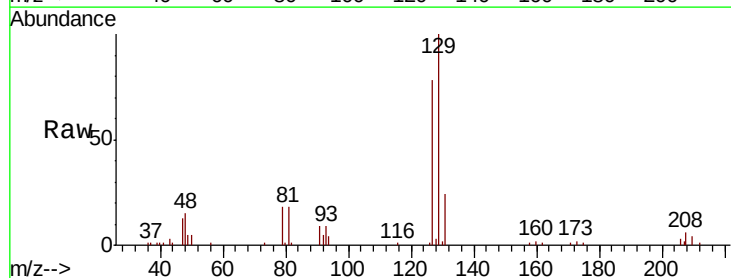
Instrument :
MSVOA_N
ClientSampleId :

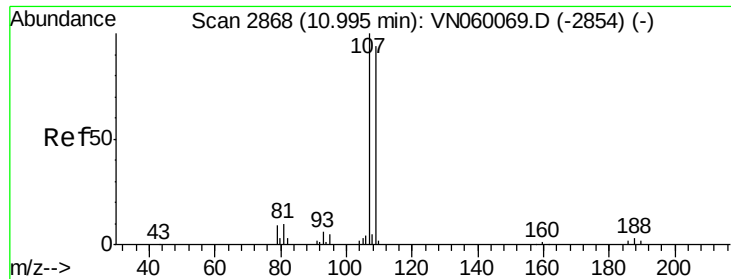
Tot Ion: 43 Resp: 229679
Ion Ratio Lower Upper
43 100
58 53.9 27.5 82.4



#60
Dibromochloromethane
Concen: 18.193 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion:129 Resp: 47820
Ion Ratio Lower Upper
129 100
127 78.3 38.0 114.1

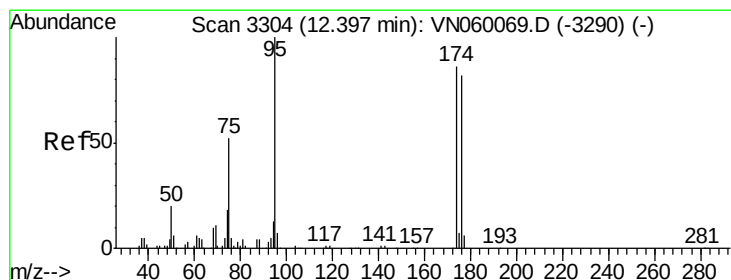
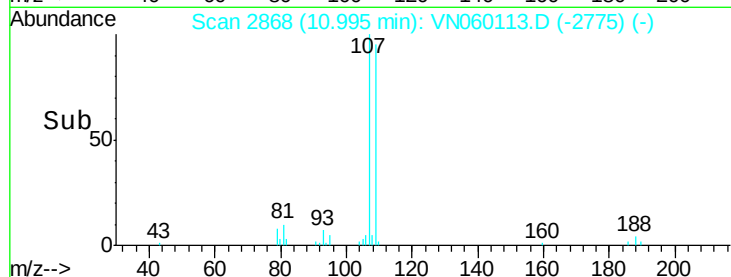
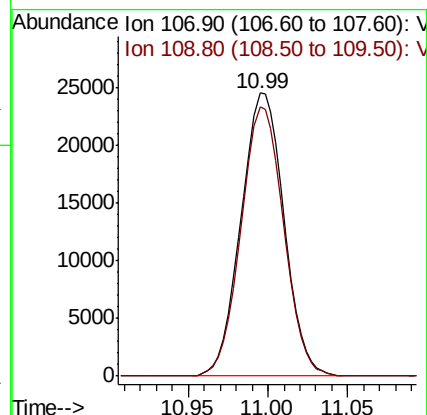
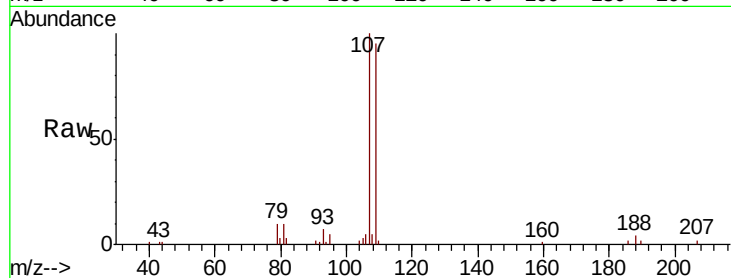




#61
 1,2-Dibromoethane
 Concen: 18.723 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

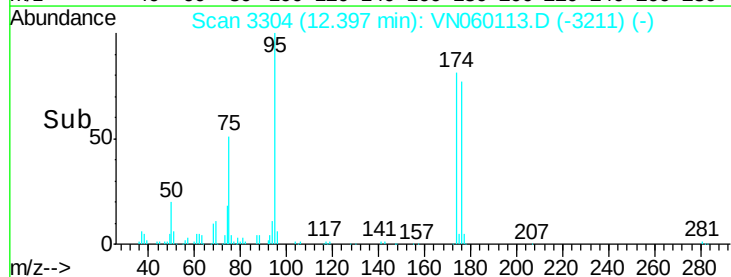
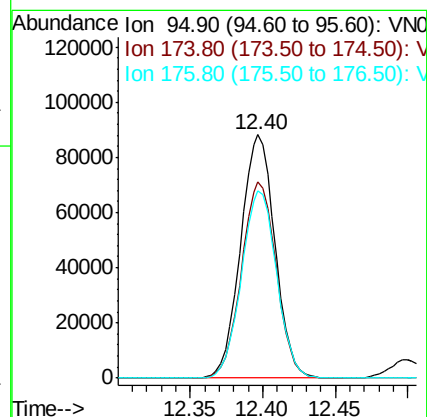
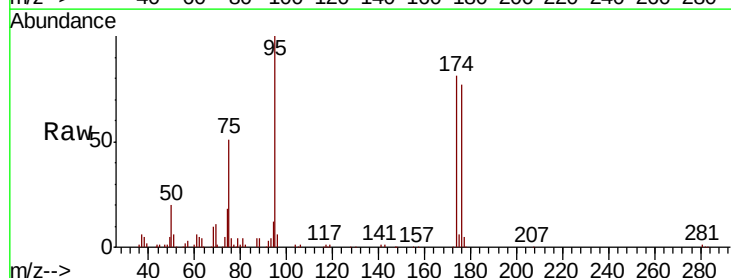
Instrument :
 MSVOA_N
 ClientSampled :

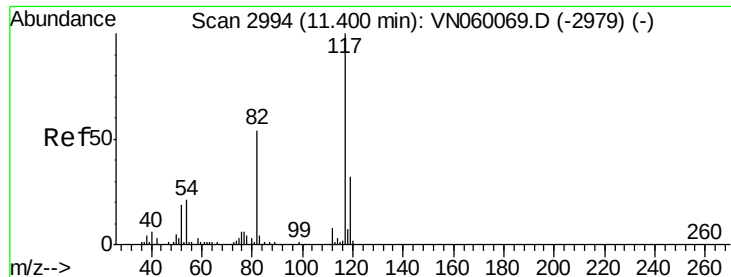
Tot Ion: 107 Resp: 44957
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 48.952 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion: 95 Resp: 145096
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 169.8
 176 78.7 0.0 164.8

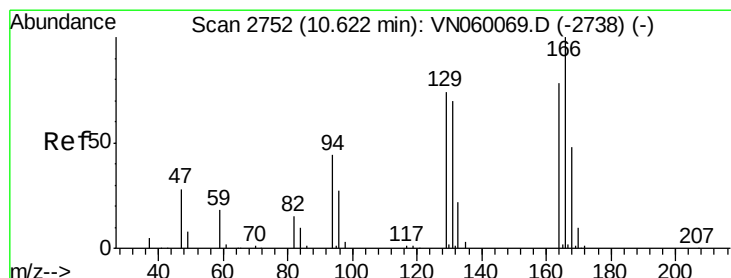
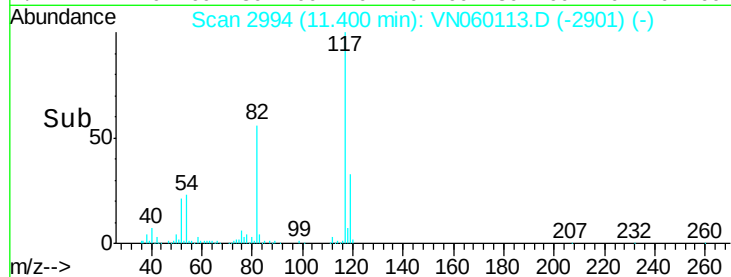
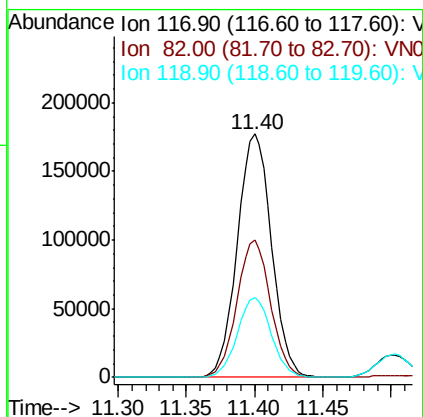
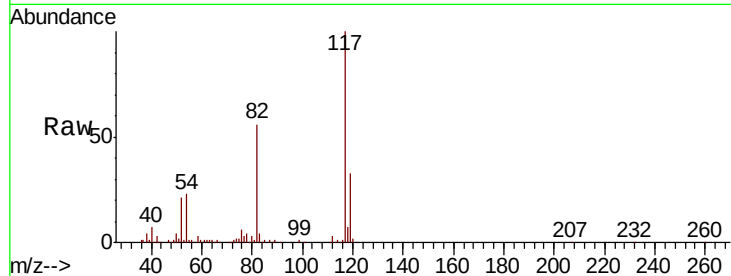




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

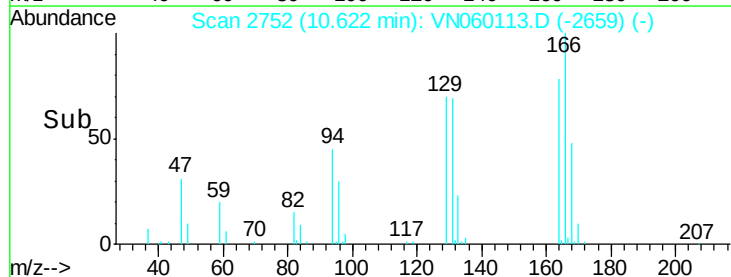
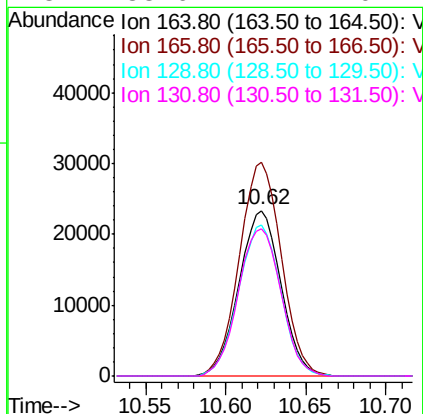
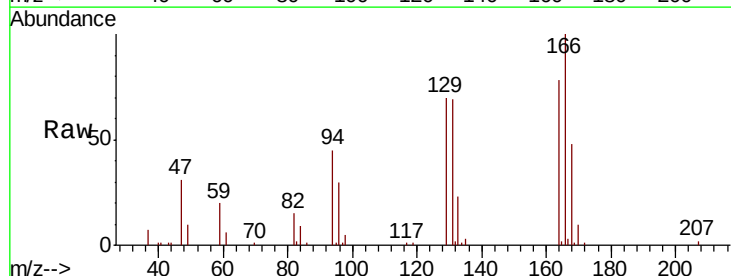
Instrument :
MSVOA_N
ClientSampleId :

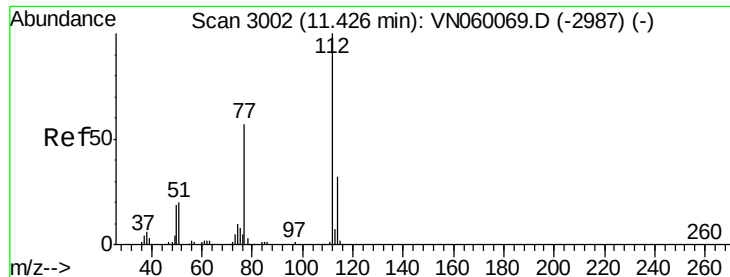
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	43.4	65.0
119	32.7	25.8	38.6



#64
Tetrachloroethene
Concen: 17.817 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.9	152.9
129	90.9	75.4	113.0
131	88.6	71.4	107.2





#65

Chlorobenzene

Concen: 18.351 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

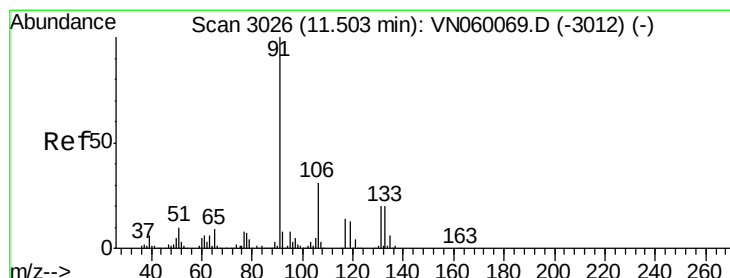
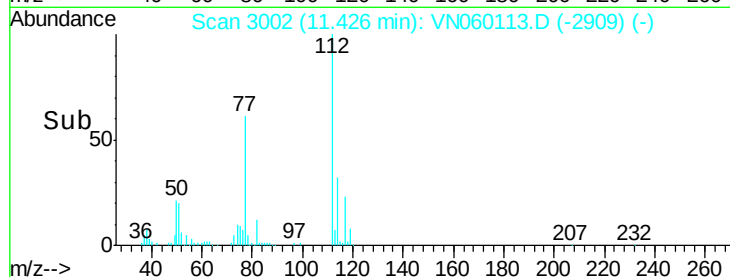
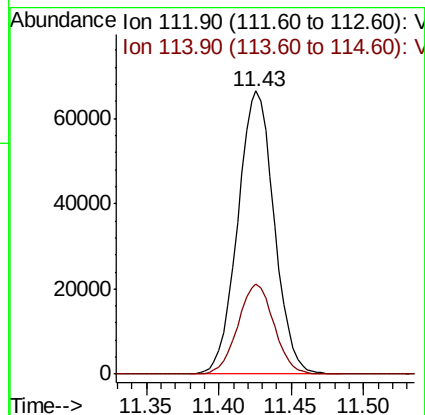
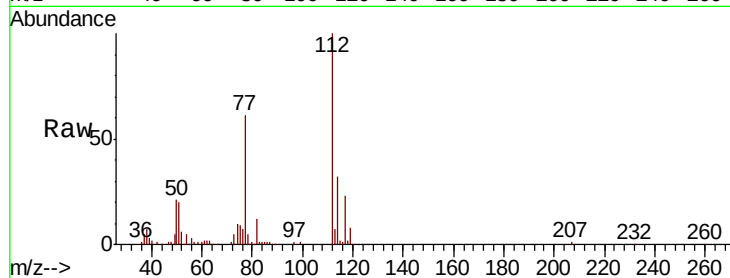
ClientSampleId :

Tot Ion:112 Resp: 115574

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 18.371 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

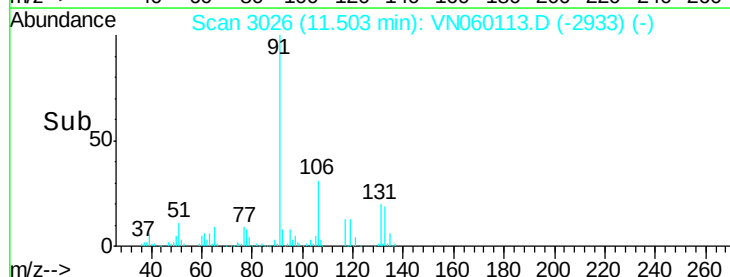
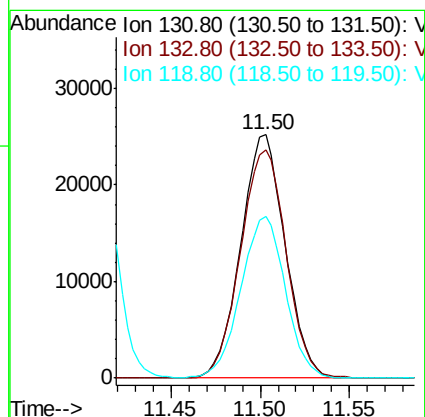
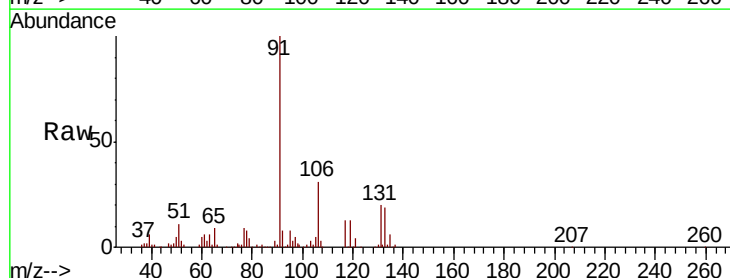
Tgt Ion:131 Resp: 43769

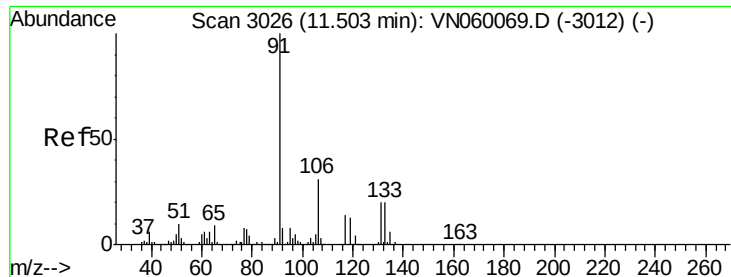
Ion Ratio Lower Upper

131 100

133 96.7 47.9 143.7

119 67.0 32.6 97.7





#67

Ethyl Benzene

Concen: 18.691 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

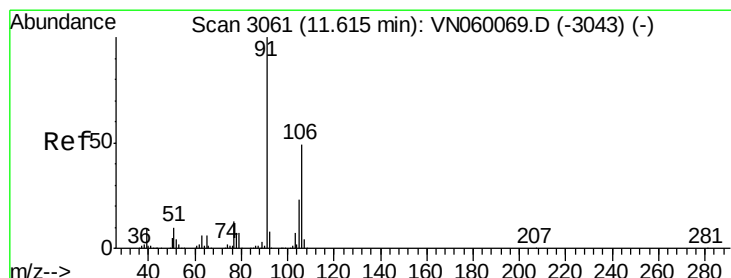
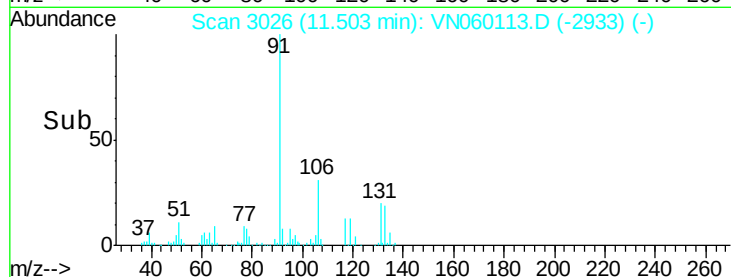
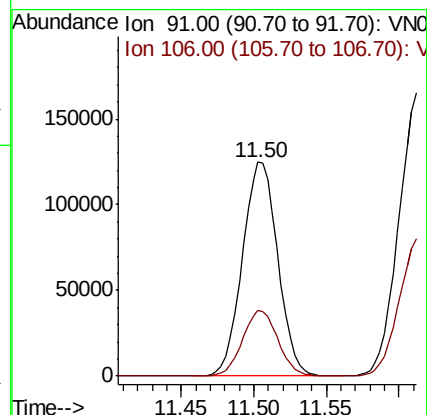
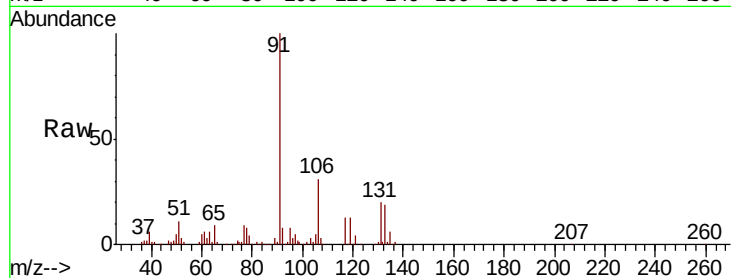
ClientSampled :

Tot Ion: 91 Resp: 212307

Ion Ratio Lower Upper

91 100

106 30.7 25.1 37.7



#68

m/p-Xylenes

Concen: 36.834 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060113.D

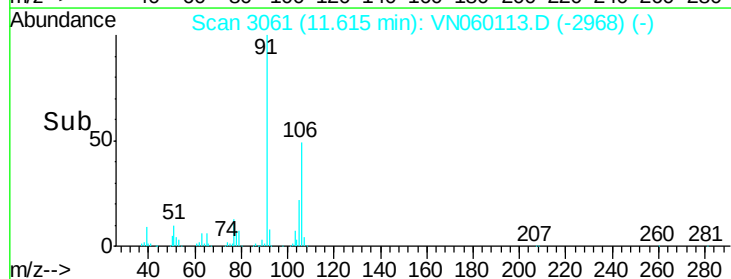
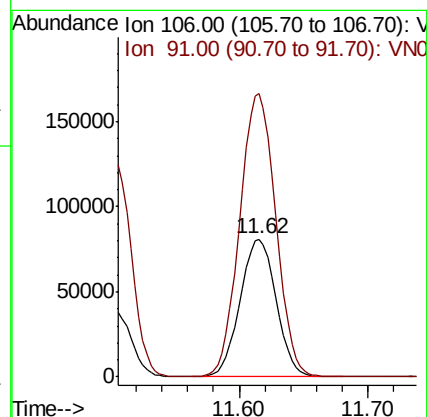
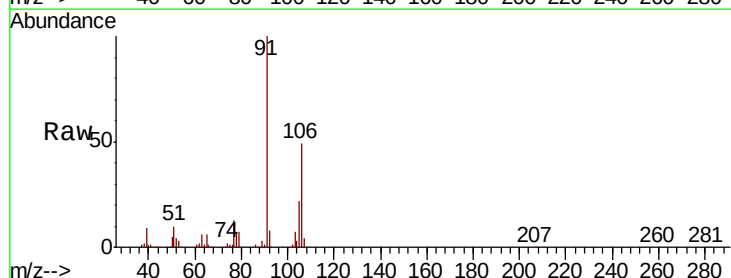
Acq: 17 Feb 2020 12:51

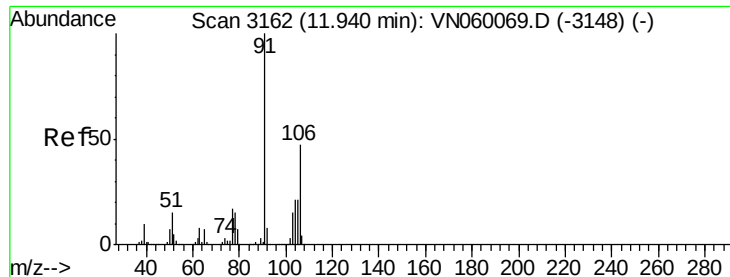
Tgt Ion: 106 Resp: 157030

Ion Ratio Lower Upper

106 100

91 205.7 162.7 244.1

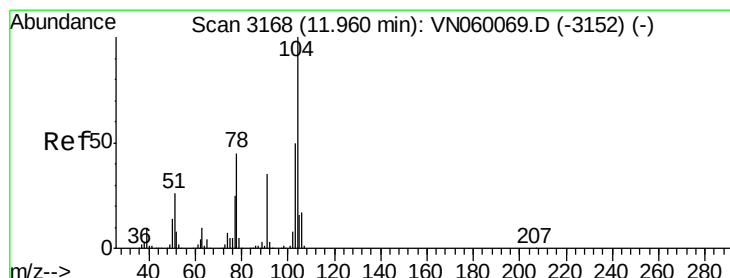
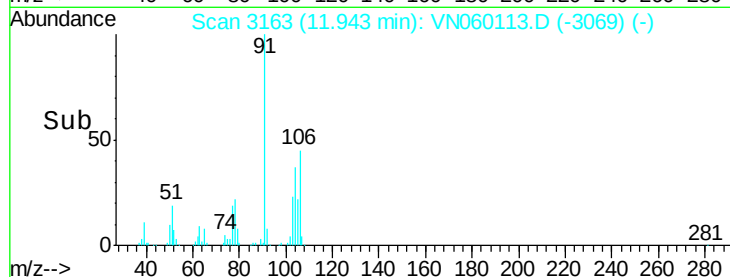
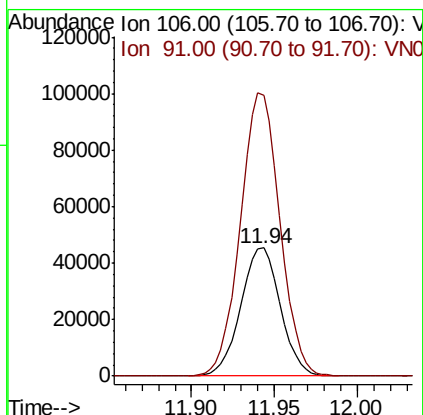
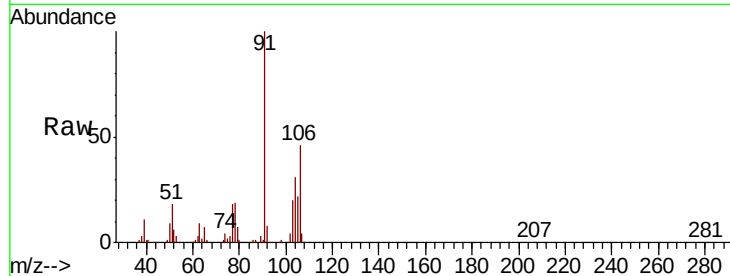




#69
o-Xylene
Concen: 18.418 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

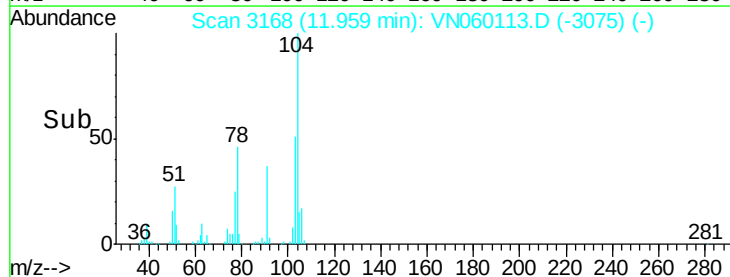
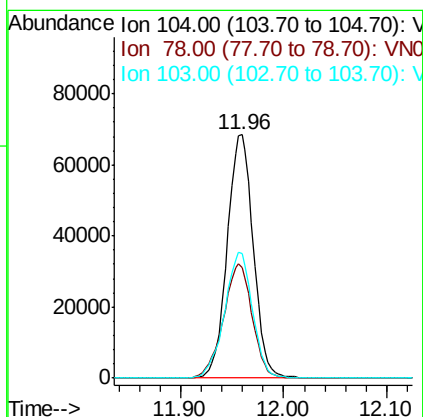
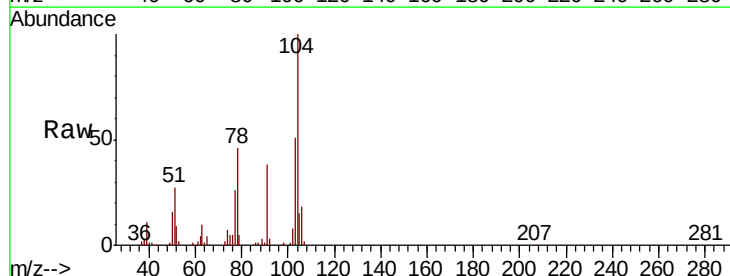
Instrument :
MSVOA_N
ClientSampled :

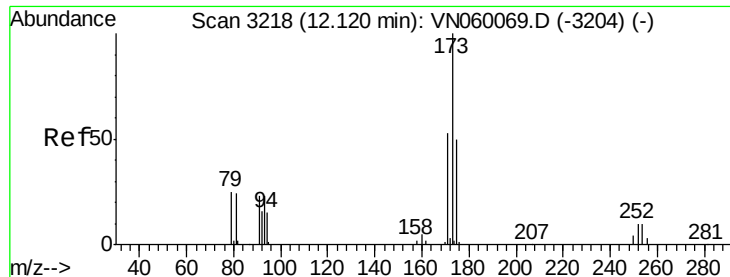
Tot Ion:106 Resp: 75601
Ion Ratio Lower Upper
106 100
91 219.4 107.2 321.6



#70
Styrene
Concen: 18.243 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion:104 Resp: 120753
Ion Ratio Lower Upper
104 100
78 51.7 40.2 60.2
103 55.3 44.3 66.5





#71

Bromoform

Concen: 18.072 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampled :

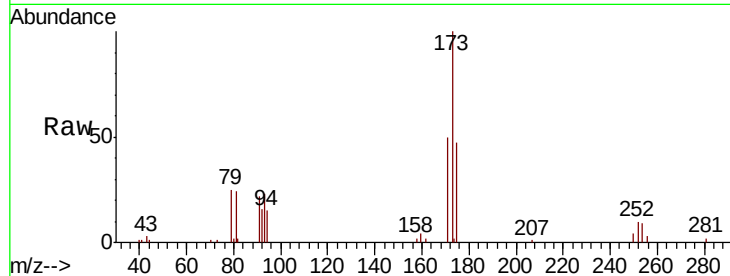
Tot Ion:173 Resp: 34631

Ion Ratio Lower Upper

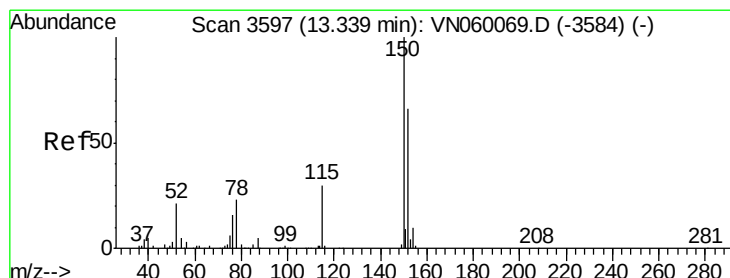
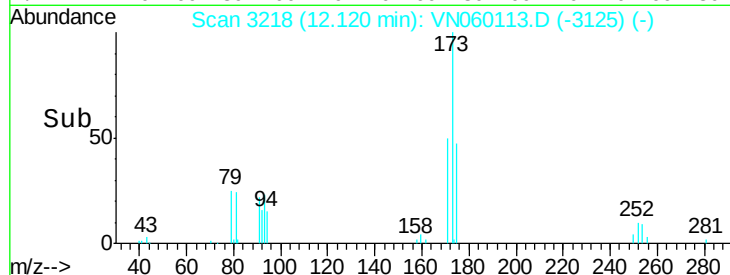
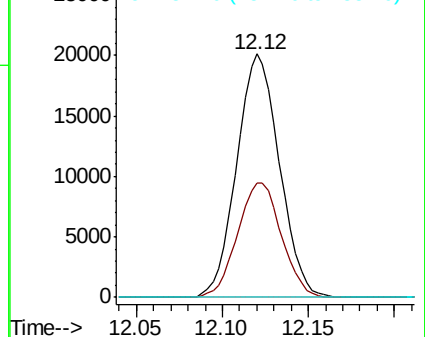
173 100

175 48.2 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: VN060113.D

Acq: 17 Feb 2020 12:51

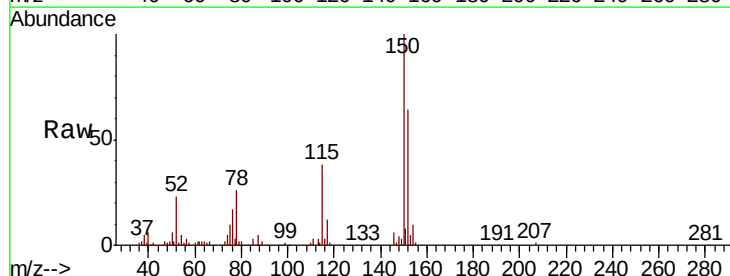
Tgt Ion:152 Resp: 146711

Ion Ratio Lower Upper

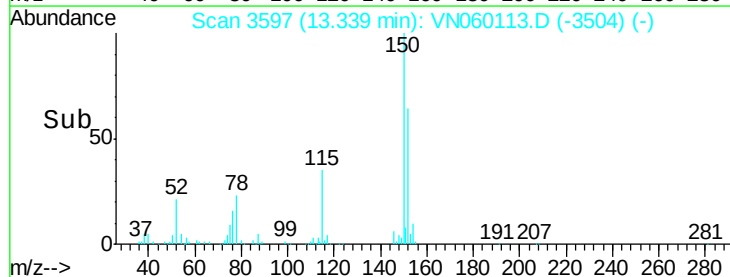
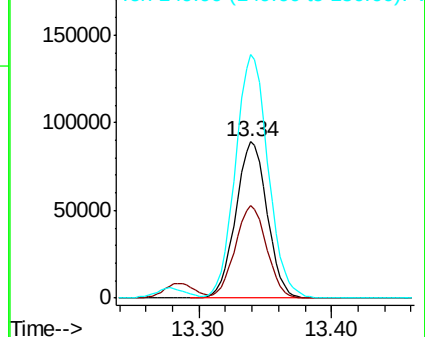
152 100

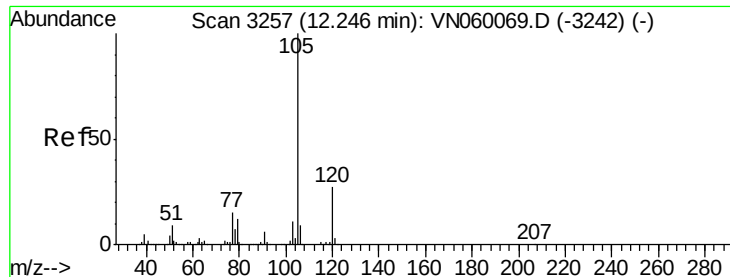
115 59.1 28.9 86.8

150 162.6 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: 18.924 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

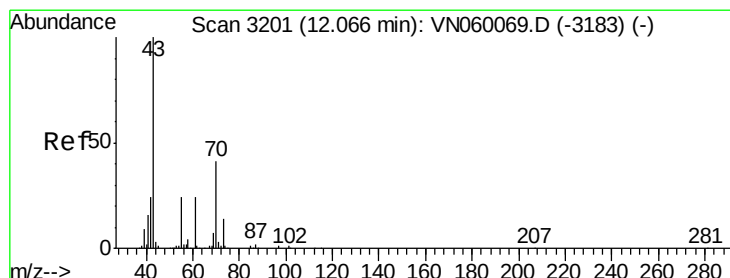
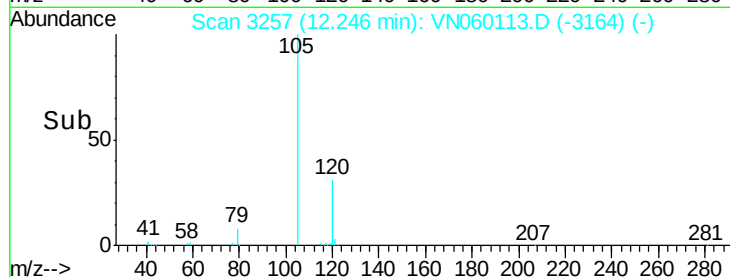
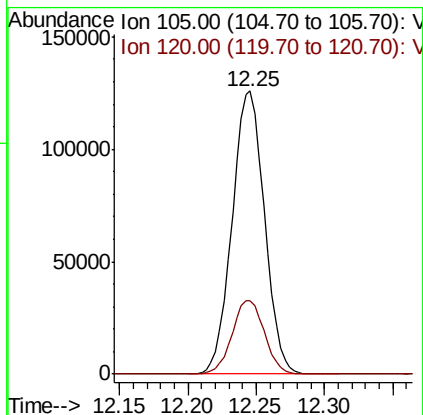
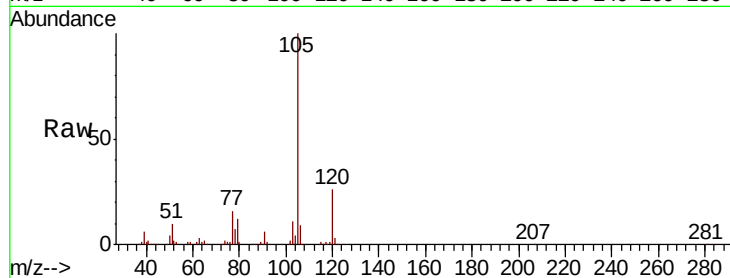
ClientSampleId :

Tot Ion:105 Resp: 207324

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.8



#74

N-ethyl acetate

Concen: 21.239 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Tgt Ion: 43 Resp: 83906

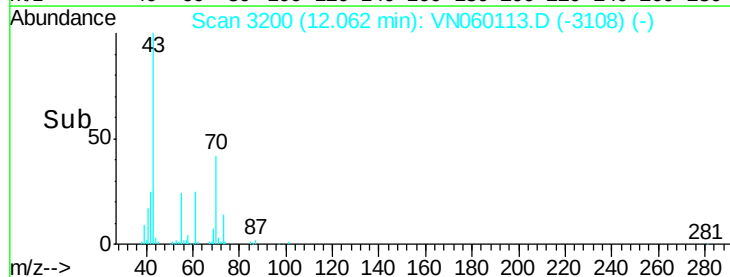
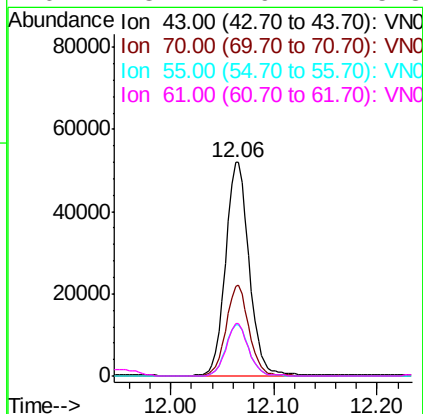
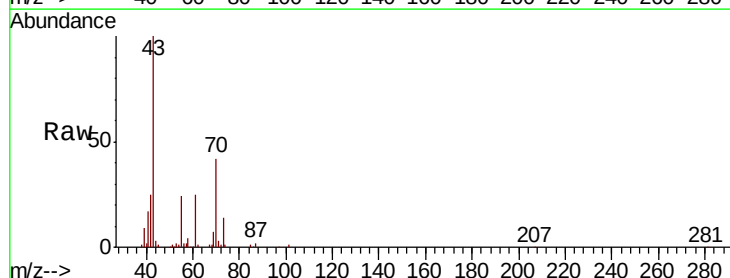
Ion Ratio Lower Upper

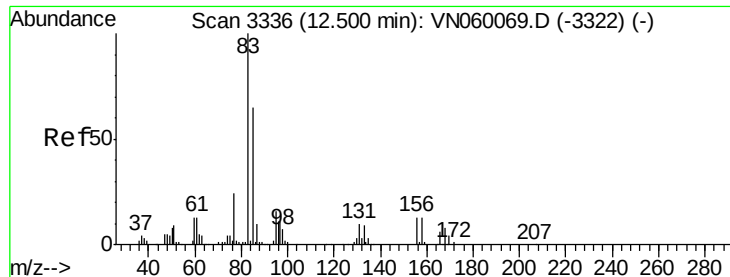
43 100

70 40.7 33.4 50.0

55 23.3 18.8 28.2

61 23.2 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.257 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampleId :

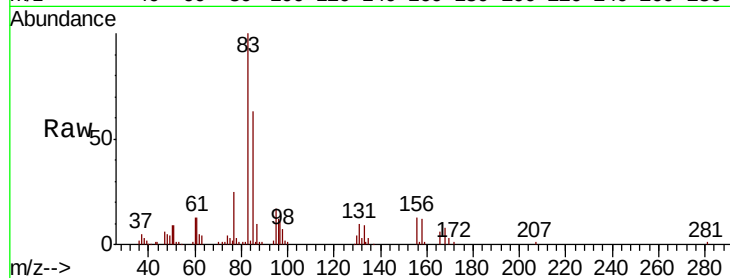
Tot Ion: 83 Resp: 63880

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

85 63.5 32.3 96.9



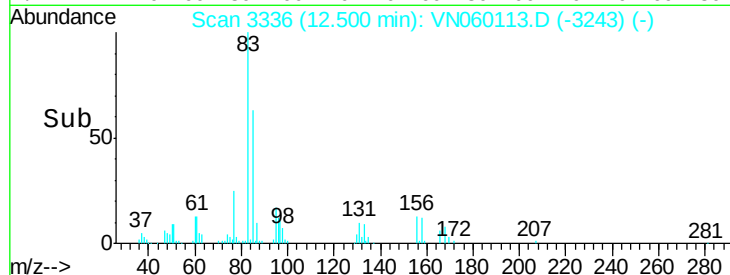
Abundance Ion 82.90 (82.60 to 83.60): VN060113.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060113.D (-3243) (-)

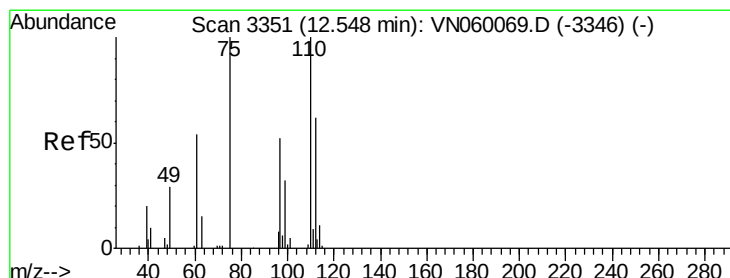
Ion 84.90 (84.60 to 85.60): VN060113.D (-3243) (-)

12.50

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 30.337 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060113.D

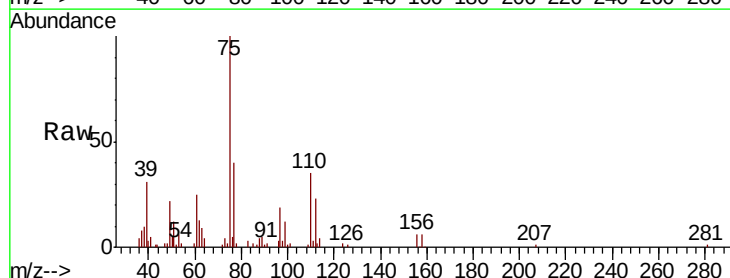
Acq: 17 Feb 2020 12:51

Tgt Ion: 75 Resp: 85152

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

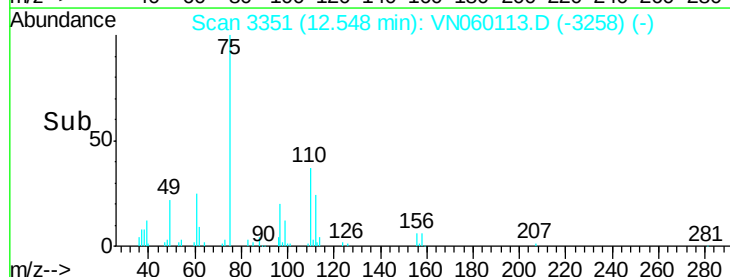


Abundance Ion 74.90 (74.60 to 75.60): VN060113.D (-3258) (-)

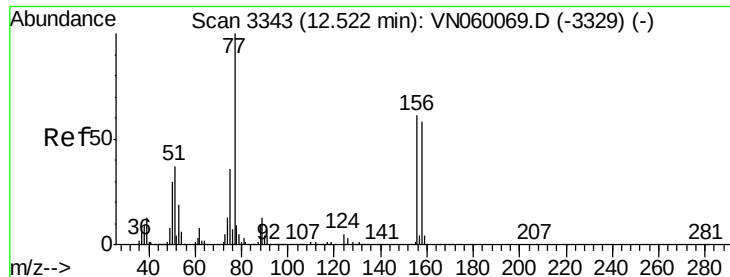
Ion 77.00 (76.70 to 77.70): VN060113.D (-3258) (-)

12.55

Time-->



Time-->



#77

Bromobenzene

Concen: 18.357 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampled :

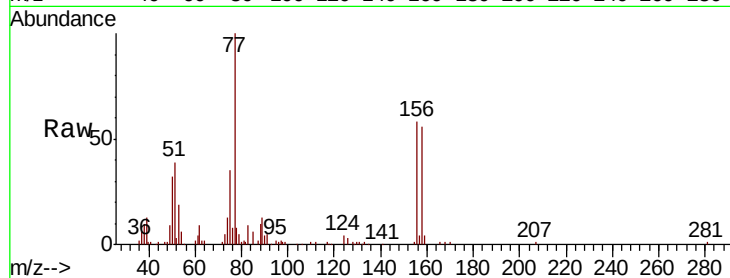
Tot Ion:156 Resp: 49910

Ion Ratio Lower Upper

156 100

77 208.2 98.7 296.1

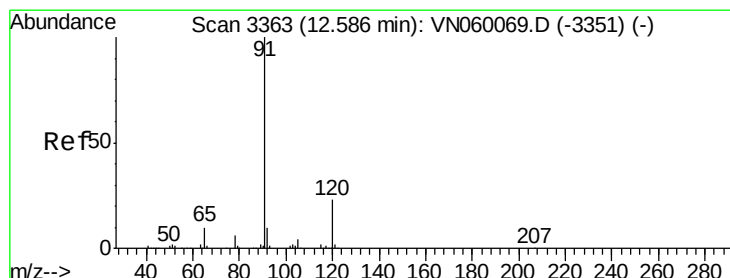
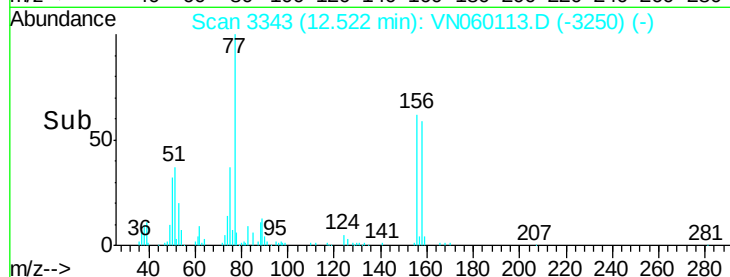
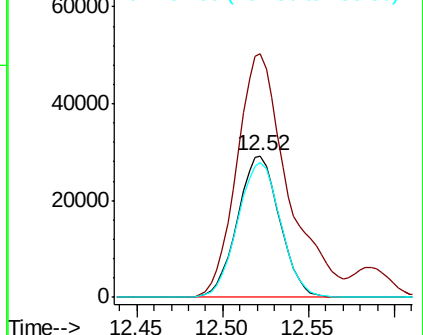
158 97.4 48.1 144.4



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: 18.800 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060113.D

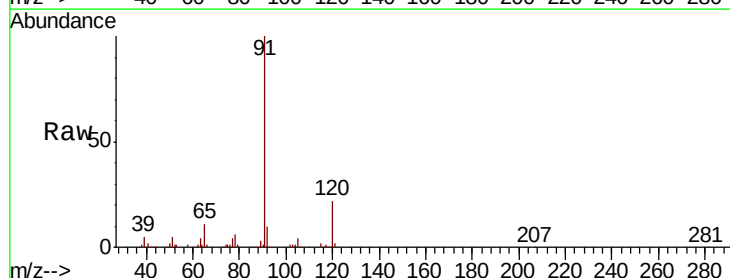
Acq: 17 Feb 2020 12:51

Tgt Ion: 91 Resp: 234663

Ion Ratio Lower Upper

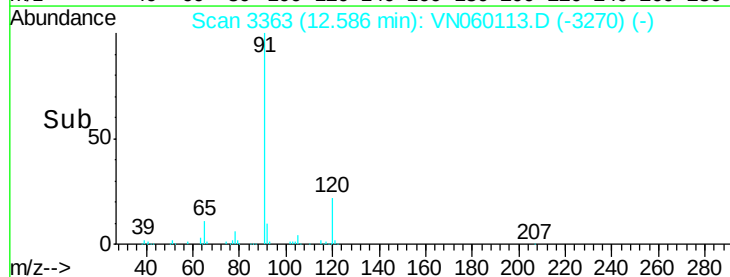
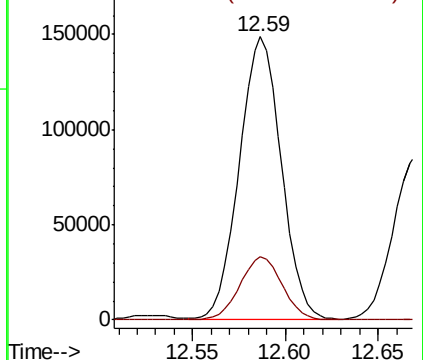
91 100

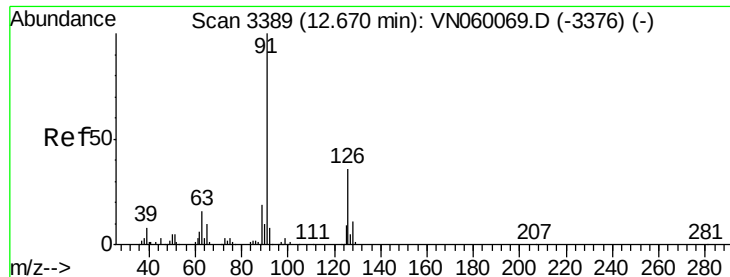
120 22.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

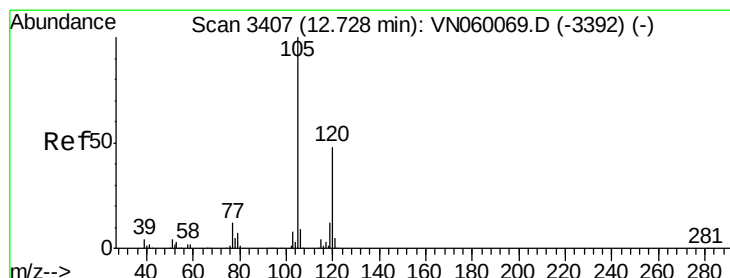
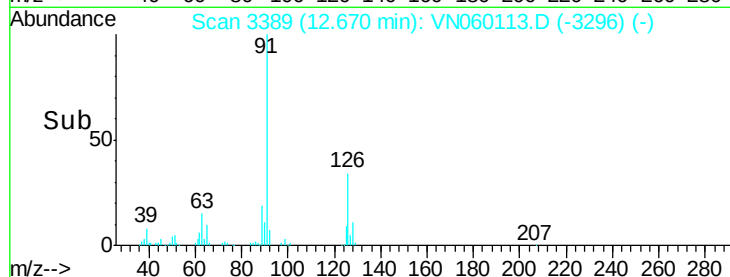
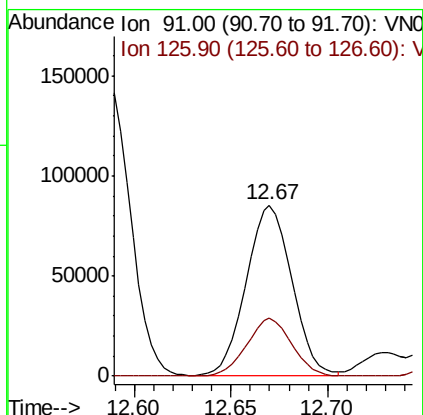
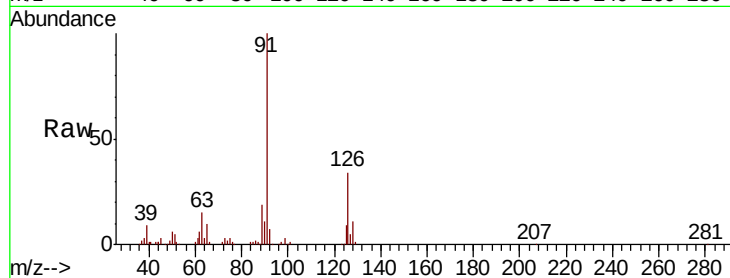




#79
 2-Chlorotoluene
 Concen: 19.135 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

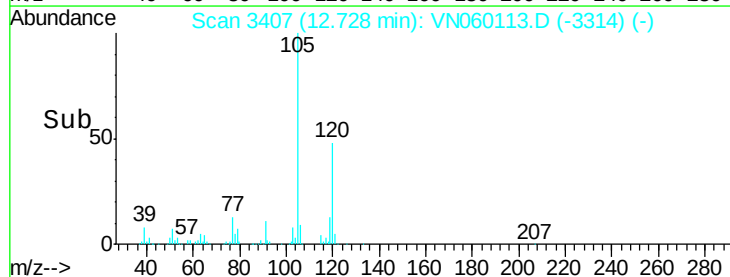
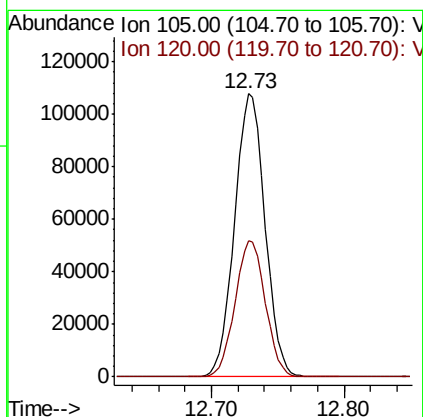
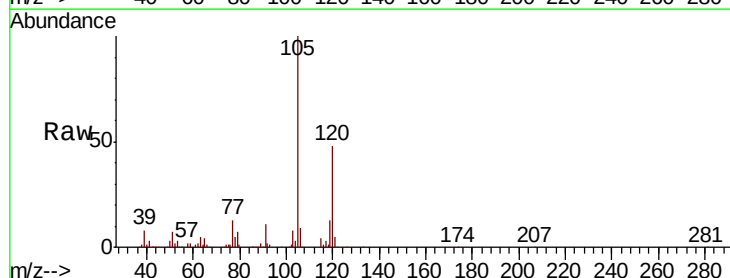
Instrument :
 MSVOA_N
 ClientSampled :

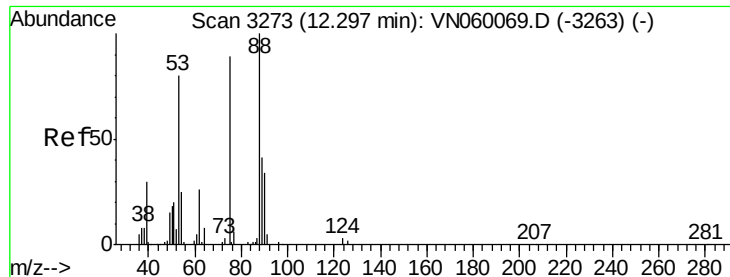
Tot Ion: 91 Resp: 140383
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 18.854 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion: 105 Resp: 171747
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.941 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampleId :

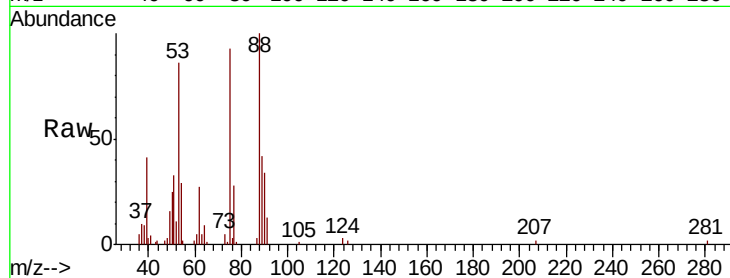
Tot Ion: 75 Resp: 22860

Ion Ratio Lower Upper

75 100

53 95.4 73.9 110.9

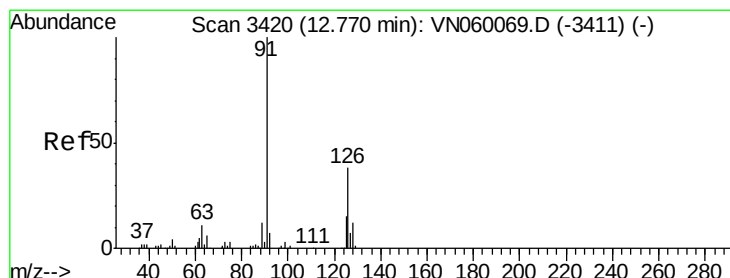
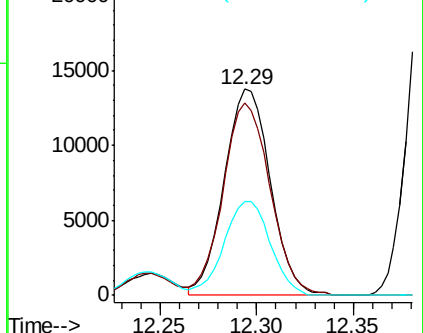
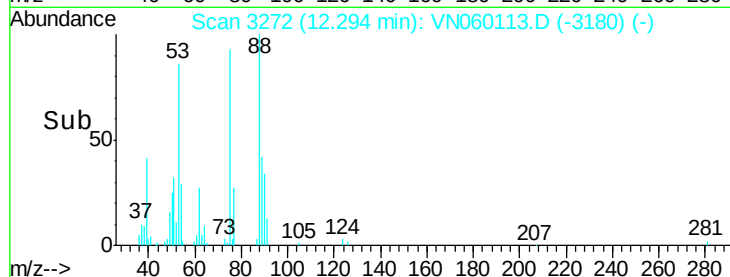
89 45.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060113.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060113.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060113.D (-3180) (-)



#82

4-Chlorotoluene

Concen: 18.746 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060113.D

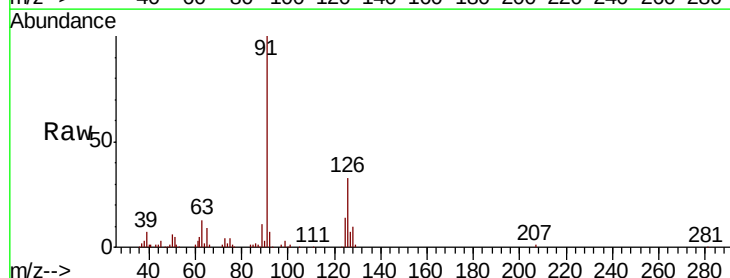
Acq: 17 Feb 2020 12:51

Tgt Ion: 91 Resp: 141105

Ion Ratio Lower Upper

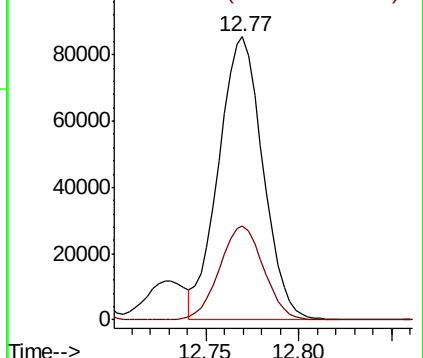
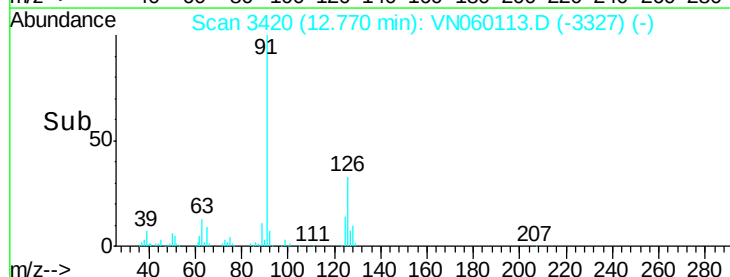
91 100

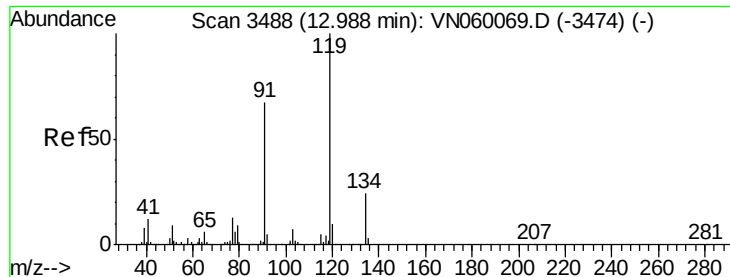
126 33.3 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060113.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060113.D (-3327) (-)

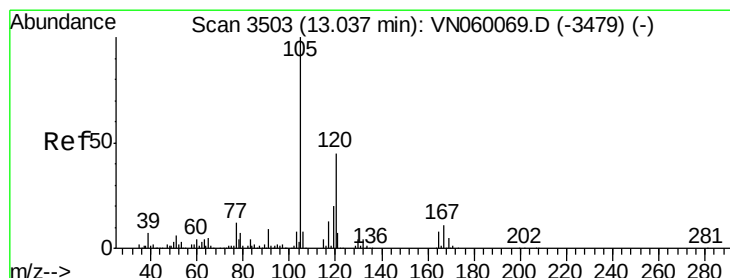
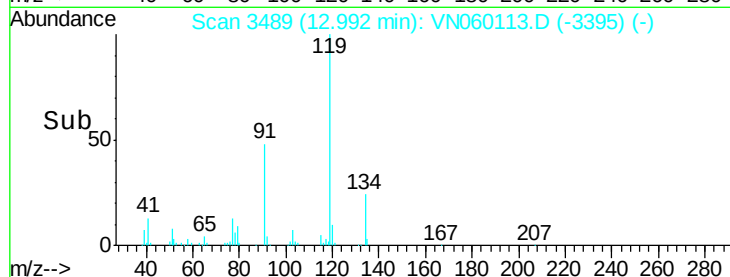
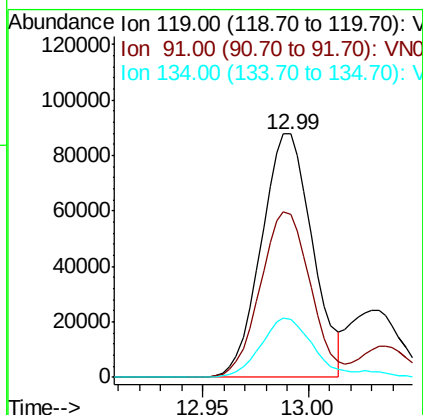
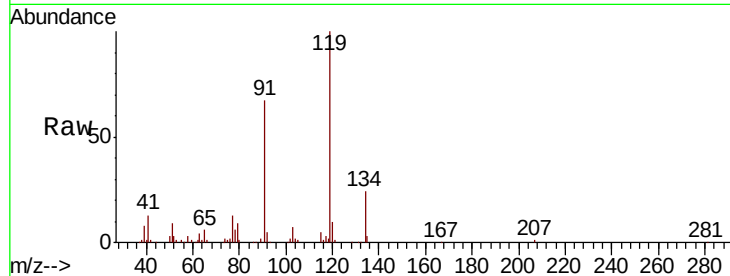




#83
tert-Butylbenzene
Concen: 18.361 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

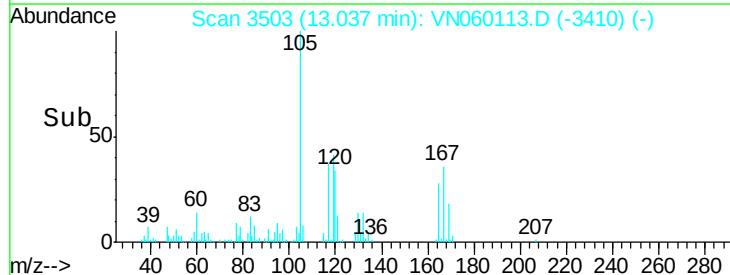
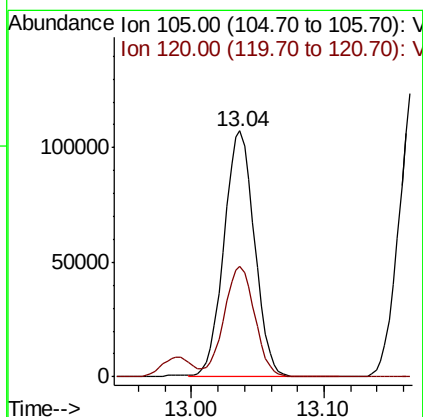
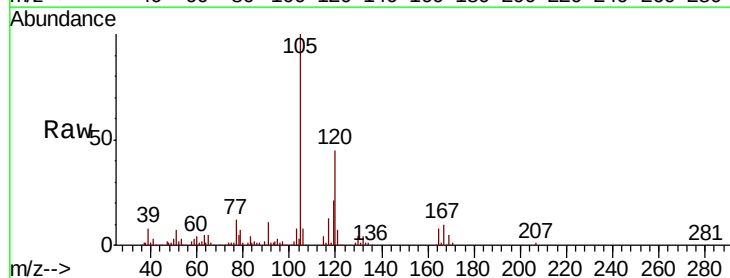
Instrument :
MSVOA_N
ClientSampled :

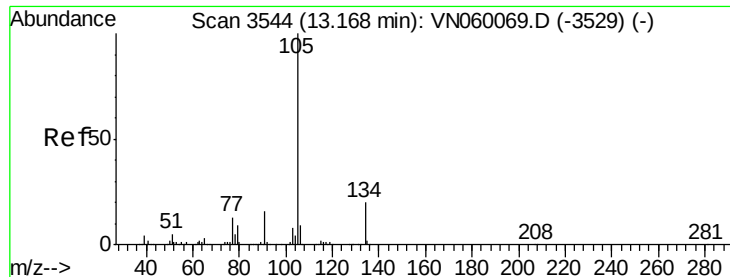
Tot Ion:119 Resp: 147953
Ion Ratio Lower Upper
119 100
91 66.7 32.7 98.1
134 26.1 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.086 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion:105 Resp: 171614
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3





#85

sec-Butylbenzene

Concen: 18.586 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

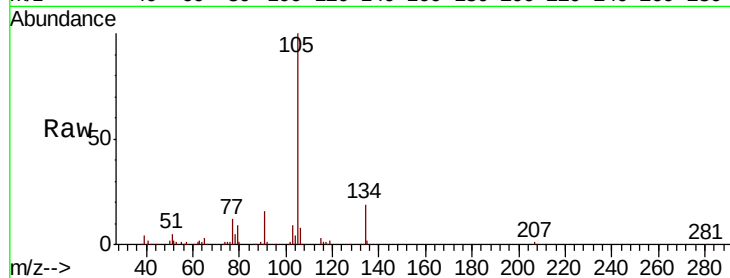
ClientSampled :

Tot Ion:105 Resp: 198342

Ion Ratio Lower Upper

105 100

134 19.7 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

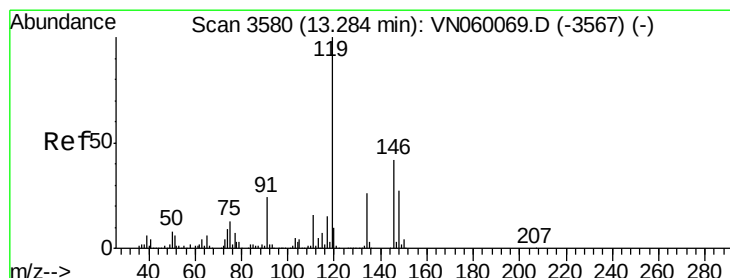
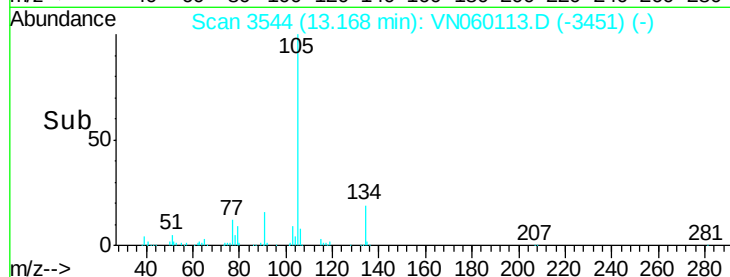
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.338 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

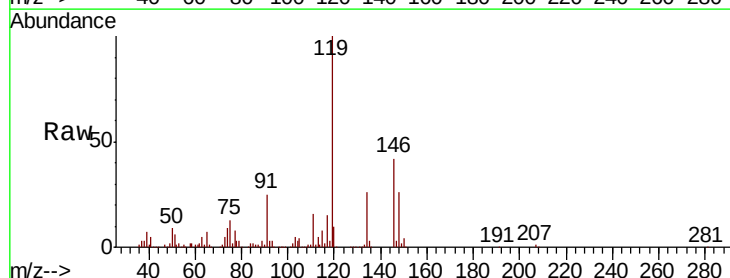
Tgt Ion:119 Resp: 177314

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.8

91 24.3 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

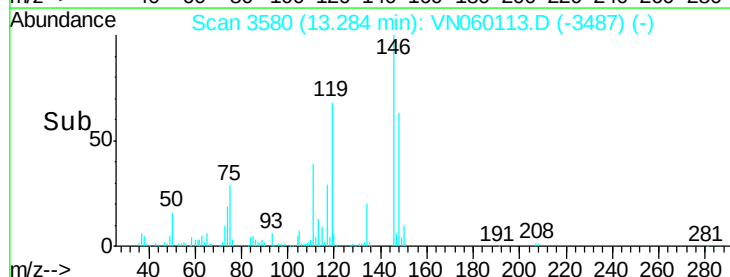
150000

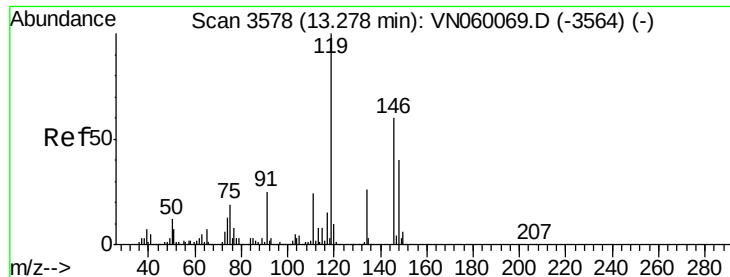
100000

50000

0

Time-->

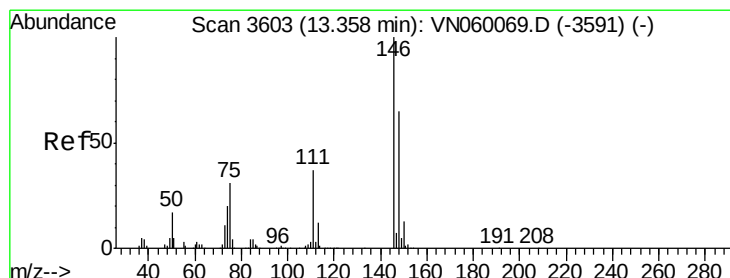
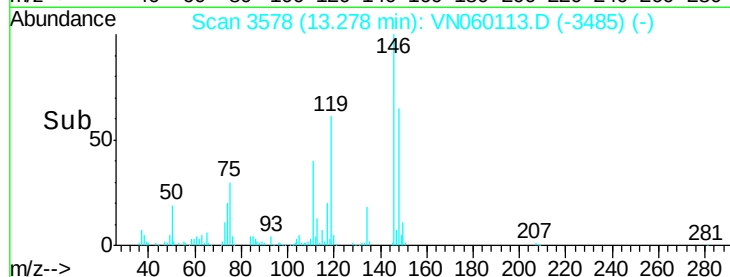
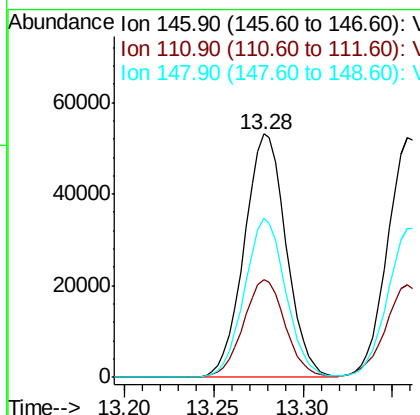
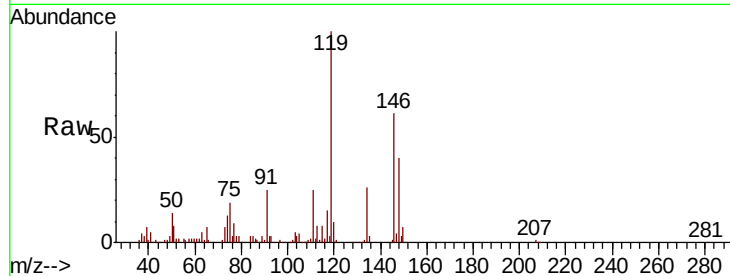




#87
 1,3-Dichlorobenzene
 Concen: 18.143 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

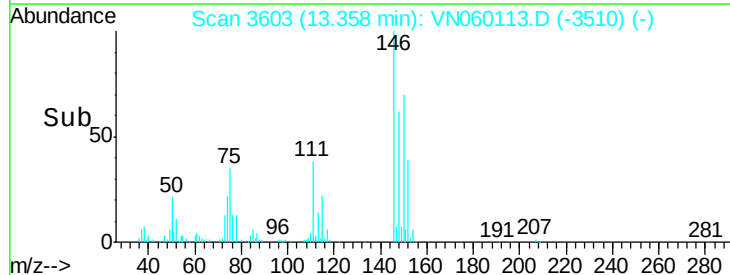
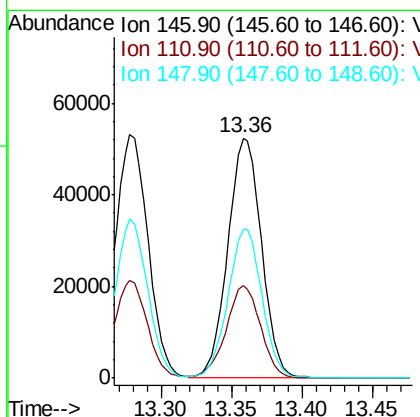
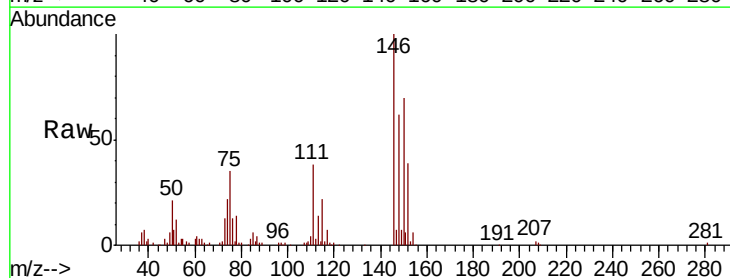
Instrument :
 MSVOA_N
 ClientSampleId :

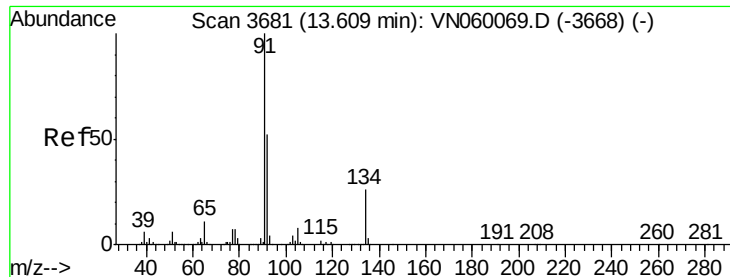
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	64.2	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.255 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.5
148	62.7	32.0	96.0





#89

n-Butylbenzene

Concen: 18.383 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampleId :

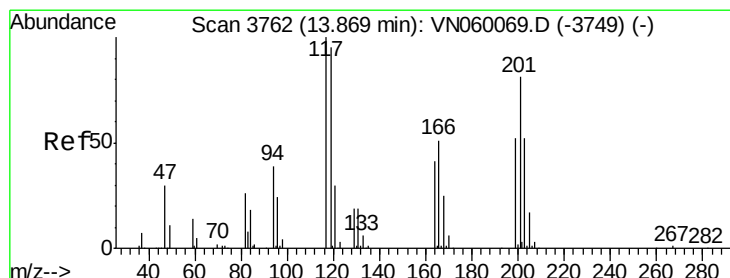
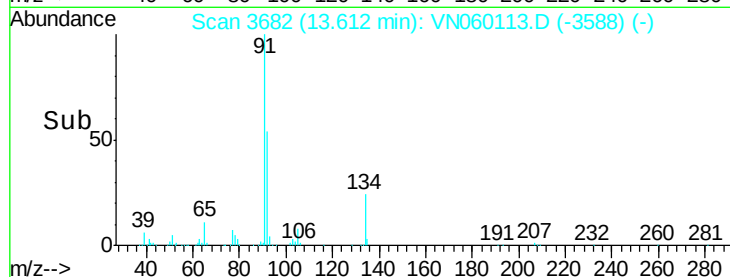
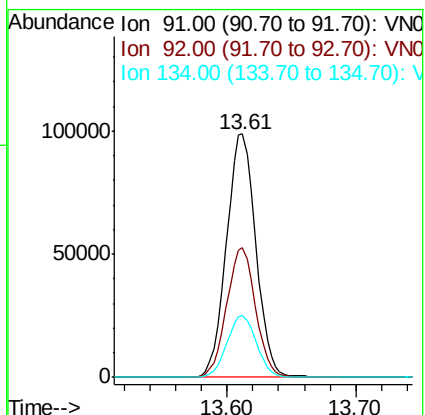
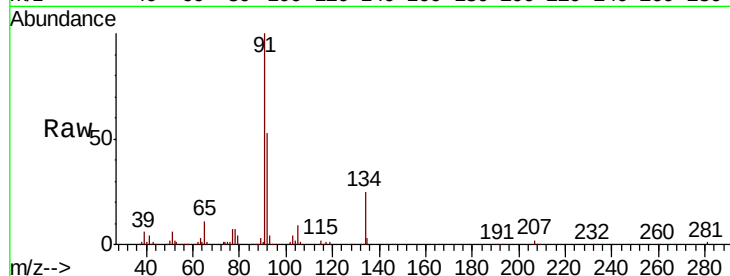
Tot Ion: 91 Resp: 156333

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

134 25.4 13.1 39.3



#90

Hexachloroethane

Concen: 18.302 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060113.D

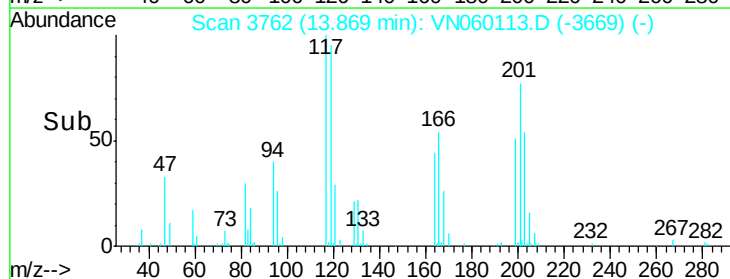
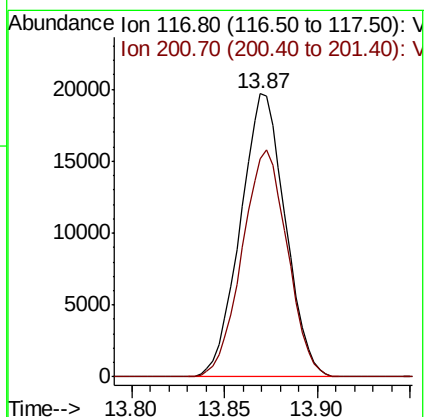
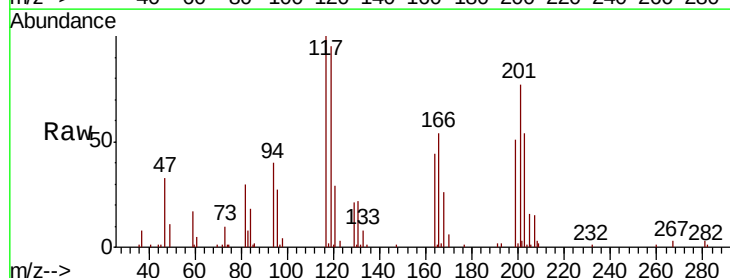
Acq: 17 Feb 2020 12:51

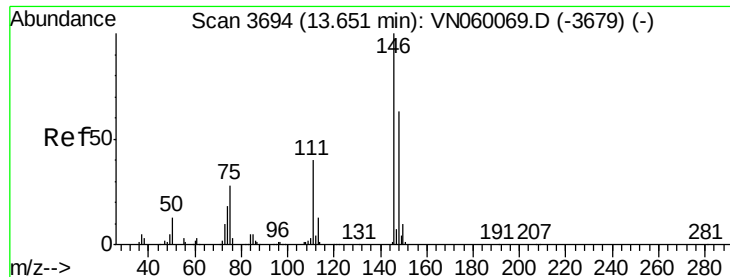
Tgt Ion: 117 Resp: 33059

Ion Ratio Lower Upper

117 100

201 80.6 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 17.980 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060113.D

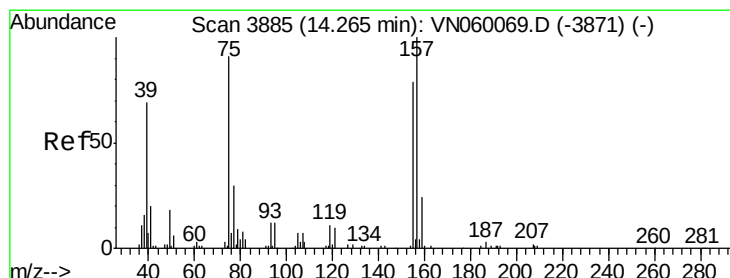
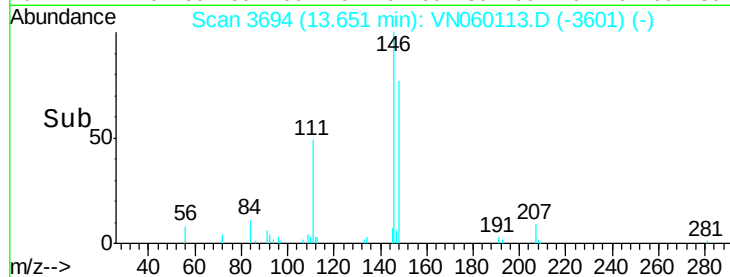
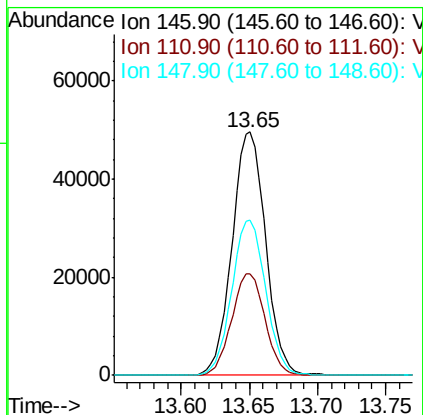
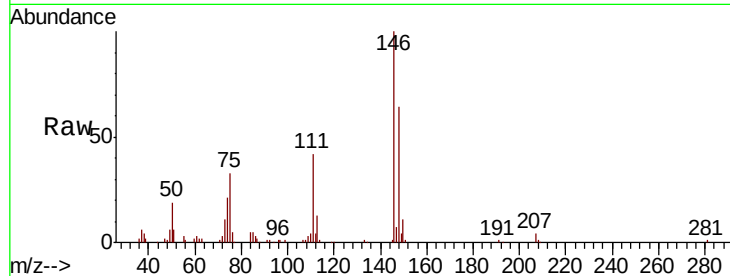
Acq: 17 Feb 2020 12:51

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	84685
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.2
148	64.5	31.9	95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.210 ug/l

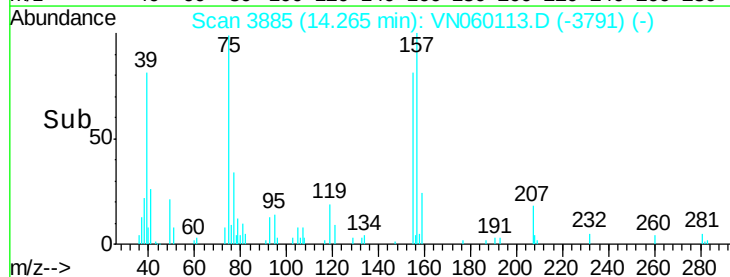
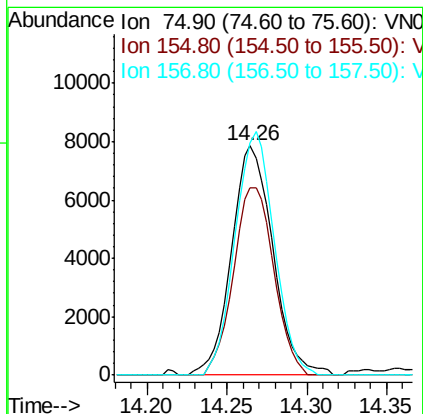
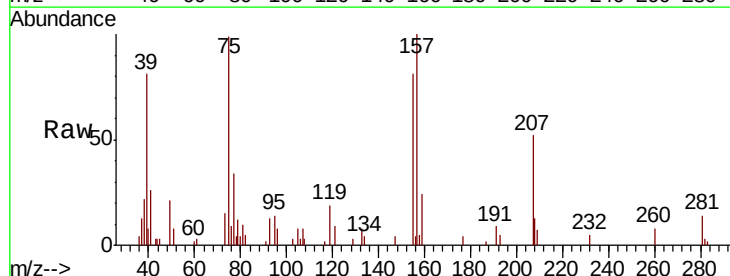
RT: 14.26 min Scan# 3885

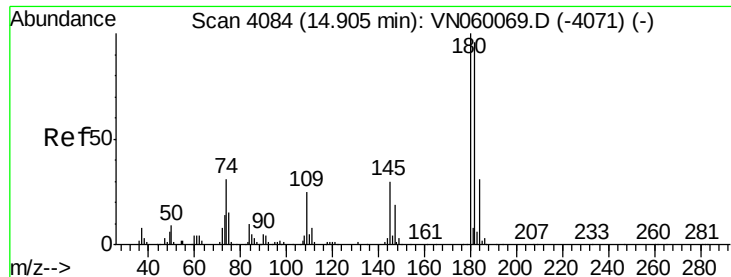
Delta R.T. 0.00 min

Lab File: VN060113.D

Acq: 17 Feb 2020 12:51

Tgt Ion:	75	Resp:	13859
Ion	Ratio	Lower	Upper
75	100		
155	79.4	43.0	129.0
157	100.1	54.9	164.5

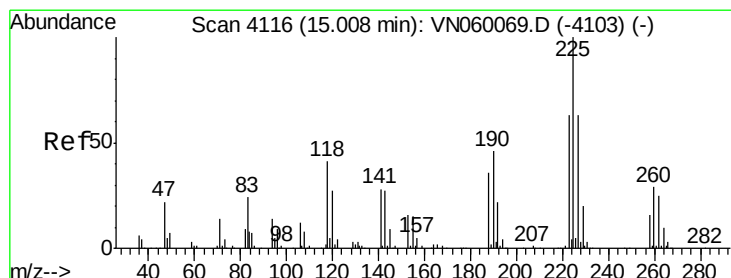
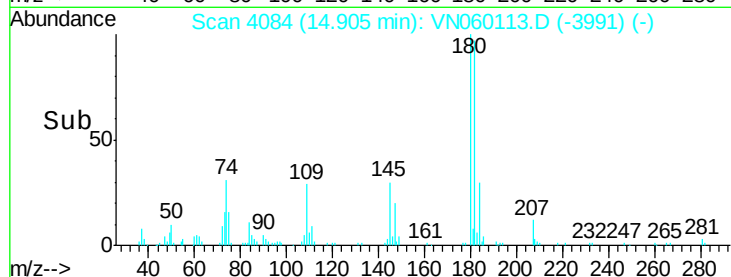
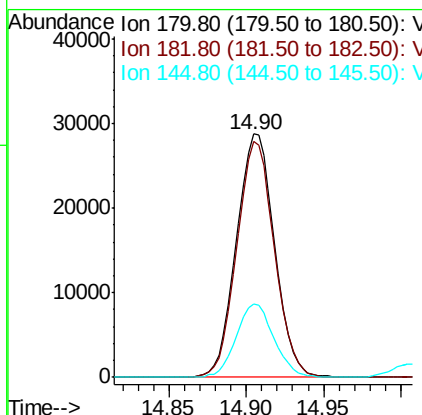
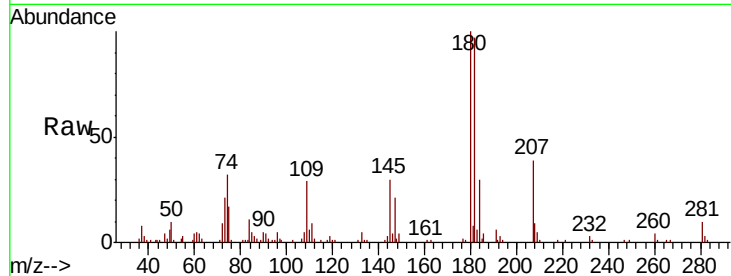




#93
 1,2,4-Trichlorobenzene
 Concen: 17.779 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

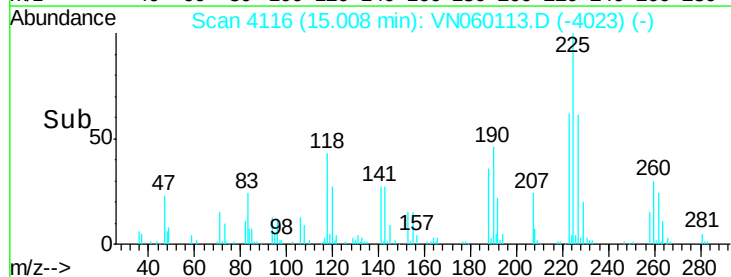
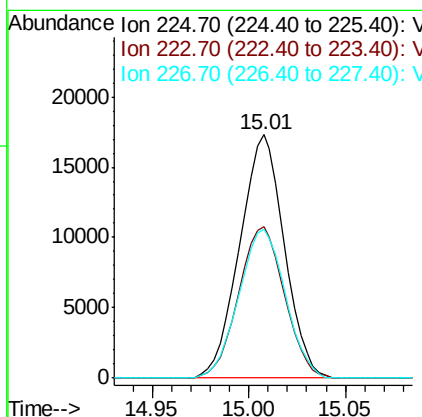
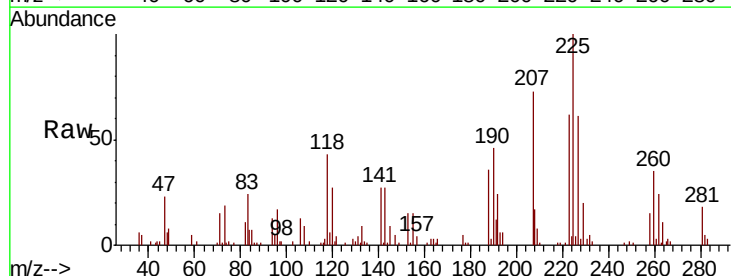
Instrument :
 MSVOA_N
 ClientSampleId :

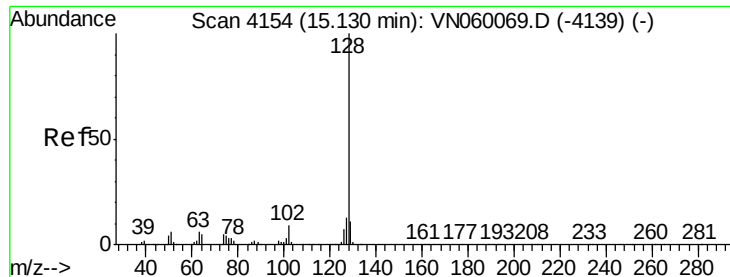
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	29.8	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 17.094 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060113.D
 Acq: 17 Feb 2020 12:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.5	94.5
227	63.8	31.8	95.4

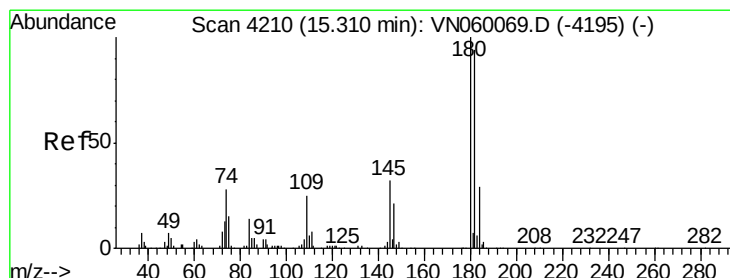
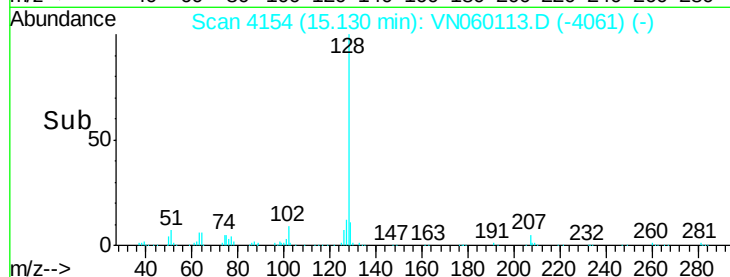
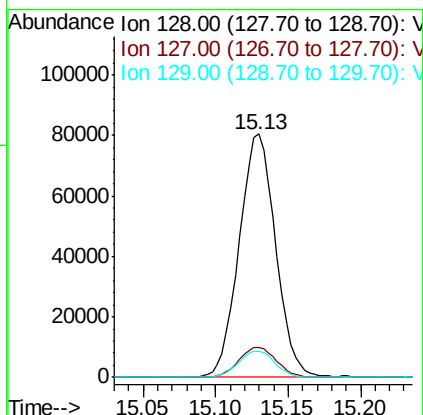
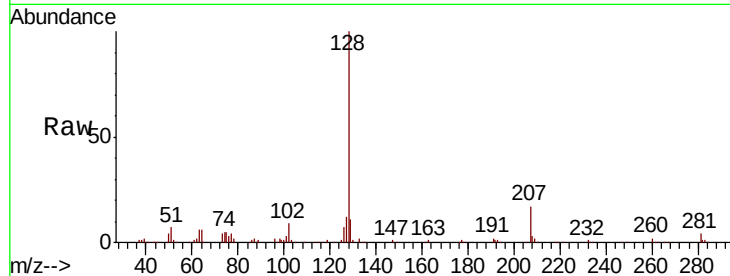




#95
Naphthalene
Concen: 18.845 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 140877
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.523 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060113.D
Acq: 17 Feb 2020 12:51

Tgt Ion:180 Resp: 48293
Ion Ratio Lower Upper
180 100
182 98.3 47.5 142.5
145 34.0 16.1 48.3

