

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060082.D
 Acq On : 13 Feb 2020 9:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:53:00 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	216320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	336675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164224	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	125096	47.52	ug/l	0.00
Spiked Amount						
			Recovery	=	95.04%	
35) Dibromofluoromethane	7.56	113	100576	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	
50) Toluene-d8	10.08	98	396962	48.71	ug/l	0.00
Spiked Amount						
			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	149082	49.78	ug/l	0.00
Spiked Amount						
			Recovery	=	99.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	106115	49.076	ug/l	100
3) Chloromethane	2.04	50	119311	46.368	ug/l	98
4) Vinyl Chloride	2.17	62	136734	46.620	ug/l	99
5) Bromomethane	2.54	94	83479	46.418	ug/l	99
6) Chloroethane	2.68	64	68336	46.065	ug/l	98
7) Trichlorofluoromethane	3.00	101	174946	46.264	ug/l	99
8) Diethyl Ether	3.38	74	61372	48.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	101351	48.275	ug/l	99
10) Methyl Iodide	3.93	142	126773	45.183	ug/l	99
11) Tert butyl alcohol	4.73	59	95389	242.164	ug/l	100
12) 1,1-Dichloroethene	3.72	96	99487	48.644	ug/l	98
13) Acrolein	3.57	56	59135	151.882	ug/l	98
14) Allyl chloride	4.29	41	138614	46.047	ug/l	98
15) Acrylonitrile	4.94	53	239496	248.966	ug/l	99
16) Acetone	3.78	43	289941	252.524	ug/l	100
17) Carbon Disulfide	4.03	76	291733	47.324	ug/l	100
18) Methyl Acetate	4.28	43	104065	48.249	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	326554	47.478	ug/l	99
20) Methylene Chloride	4.52	84	107408	46.889	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	107720	48.317	ug/l	97
22) Diisopropyl ether	5.91	45	318108	48.218	ug/l	96
23) Vinyl Acetate	5.86	43	1369666	247.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	190327	47.623	ug/l	99
25) 2-Butanone	6.80	43	376919	261.019	ug/l	98
26) 2,2-Dichloropropane	6.79	77	182684	48.126	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	123335	47.270	ug/l	99
28) Bromochloromethane	7.17	49	76803	48.882	ug/l #	100
29) Tetrahydrofuran	7.18	42	213728	241.260	ug/l	99
30) Chloroform	7.35	83	198982	47.530	ug/l	100
31) Cyclohexane	7.63	56	173421	46.582	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	183533	47.973	ug/l	100
36) 1,1-Dichloropropene	7.77	75	152075	48.767	ug/l	99
37) Ethyl Acetate	6.89	43	138909	49.288	ug/l	100
38) Carbon Tetrachloride	7.75	117	163010	48.132	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	191739	49.532	ug/l	99
40) Benzene	8.02	78	442261	47.810	ug/l	100
41) Methacrylonitrile	7.18	41	197816	167.367	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	158329	48.835	ug/l	100
43) Isopropyl Acetate	8.14	43	238769	49.561	ug/l	100
44) Trichloroethene	8.82	130	123669	48.282	ug/l	98
45) 1,2-Dichloropropane	9.10	63	114037	49.794	ug/l	98
46) Dibromomethane	9.19	93	79397	49.059	ug/l	98
47) Bromodichloromethane	9.38	83	162628	49.426	ug/l	98
48) Methyl methacrylate	9.18	41	107133	49.563	ug/l	100
49) 1,4-Dioxane	9.18	88	39958	1081.931	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	700779	251.303	ug/l	100
52) Toluene	10.14	92	291722	49.178	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	188255	50.688	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	195068	49.878	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	112594	48.653	ug/l	99
56) Ethyl methacrylate	10.42	69	171255	52.312	ug/l	100
57) 1,3-Dichloropropane	10.70	76	185264	48.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	323067	211.828	ug/l	100
59) 2-Hexanone	10.74	43	572357	265.706	ug/l	100
60) Dibromochloromethane	10.89	129	132007	49.708	ug/l	98
61) 1,2-Dibromoethane	10.99	107	120917	49.843	ug/l	100
64) Tetrachloroethene	10.62	164	111416	46.147	ug/l	99
65) Chlorobenzene	11.43	112	316370	48.893	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	120865	49.376	ug/l	100
67) Ethyl Benzene	11.50	91	576812	49.426	ug/l	100
68) m/p-Xylenes	11.62	106	438671	100.152	ug/l	99
69) o-Xylene	11.94	106	207741	49.259	ug/l	99
70) Styrene	11.96	104	348155	51.194	ug/l	100
71) Bromoform	12.12	173	100780	51.188	ug/l #	98
73) Isopropylbenzene	12.24	105	576849	47.038	ug/l	99
74) N-amyl acetate	12.06	43	222844	50.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168507	47.738	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	223796	71.228	ug/l #	100
77) Bromobenzene	12.52	156	143769	47.240	ug/l	100
78) n-propylbenzene	12.59	91	666221	47.682	ug/l	99
79) 2-Chlorotoluene	12.67	91	384484	46.818	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	483503	47.419	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63723	49.659	ug/l	100
82) 4-Chlorotoluene	12.77	91	405247	48.097	ug/l	100
83) tert-Butylbenzene	12.99	119	417040	46.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	484640	48.150	ug/l	99
85) sec-Butylbenzene	13.17	105	567154	47.478	ug/l	100
86) p-Isopropyltoluene	13.28	119	525443	48.548	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	264588	49.114	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	261203	48.496	ug/l	99
89) n-Butylbenzene	13.61	91	479420	50.361	ug/l	100
90) Hexachloroethane	13.87	117	95751	47.355	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	251199	47.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35583	47.370	ug/l	98

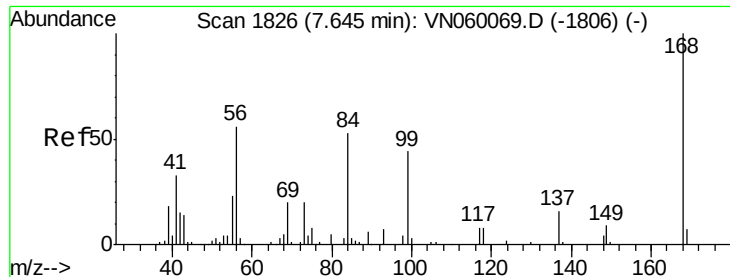
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	164202	53.007	ug/l	99
94) Hexachlorobutadiene	15.01	225	87262	48.118	ug/l	100
95) Naphthalene	15.13	128	424855	50.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152616	49.472	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

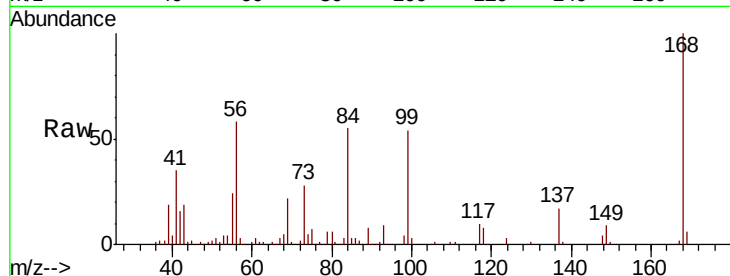
ClientSampleId :

Tot Ion:168 Resp: 216320

Ion Ratio Lower Upper

168 100

99 53.6 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

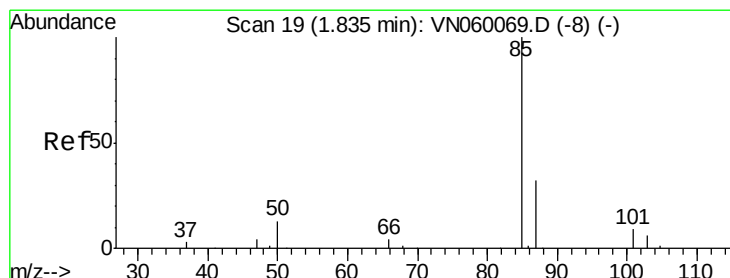
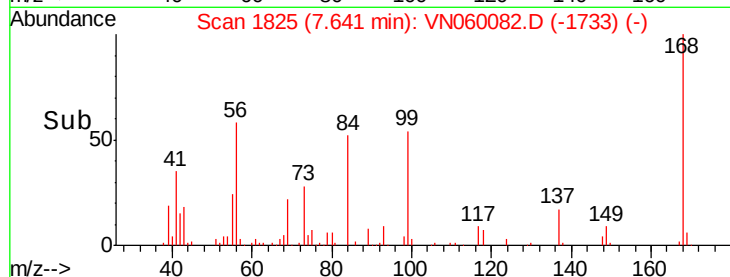
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060082.D

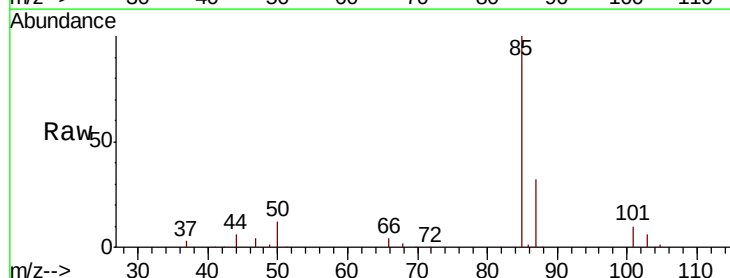
Acq: 13 Feb 2020 9:48

Tgt Ion: 85 Resp: 106115

Ion Ratio Lower Upper

85 100

87 32.0 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

80000

60000

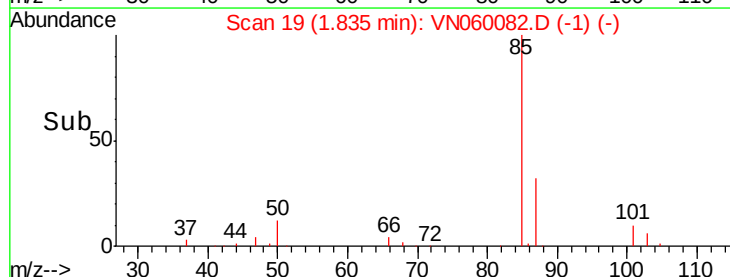
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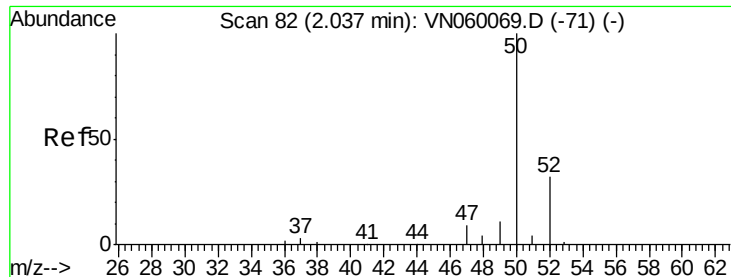
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.368 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

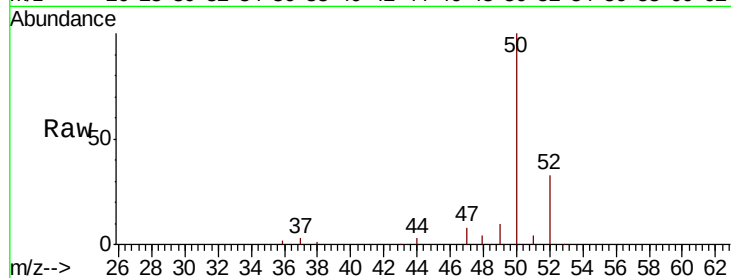
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 119311

Ion Ratio Lower Upper

50 100

52 33.2 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060069.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN060069.D (-71) (-)

2.04

100000

80000

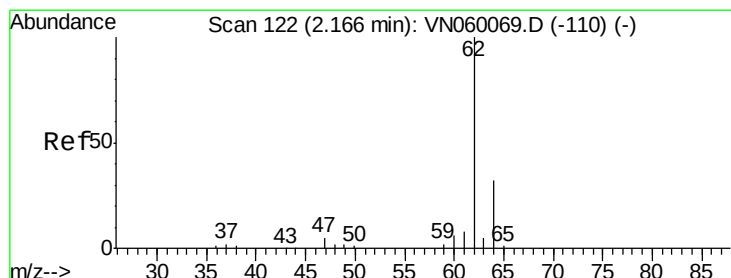
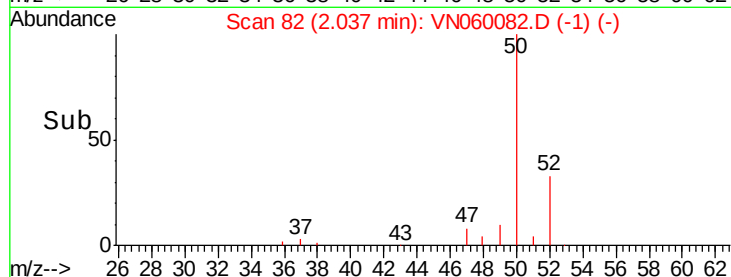
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 46.620 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060082.D

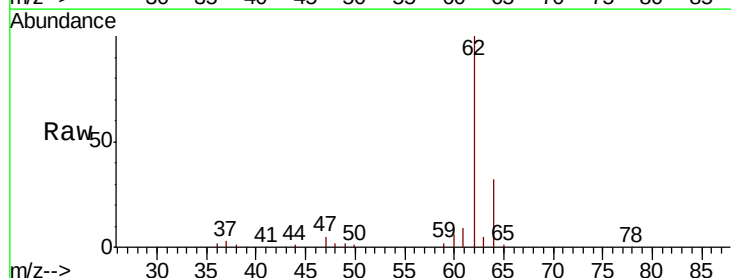
Acq: 13 Feb 2020 9:48

Tgt Ion: 62 Resp: 136734

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN060069.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN060069.D (-110) (-)

2.17

100000

80000

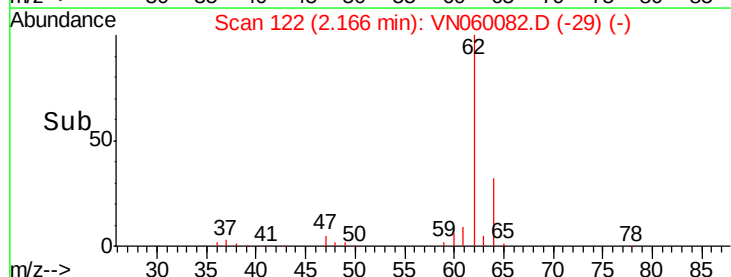
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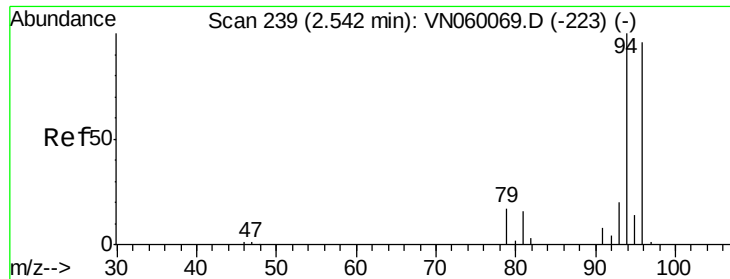
40000

20000

0

Time-->

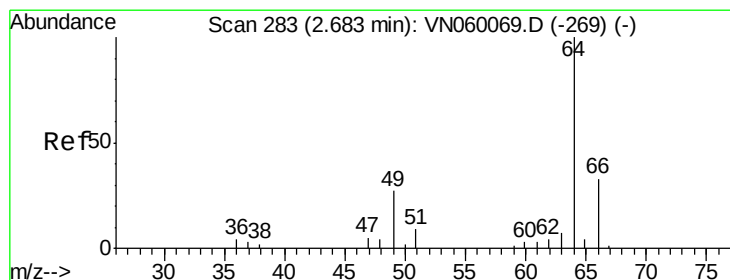
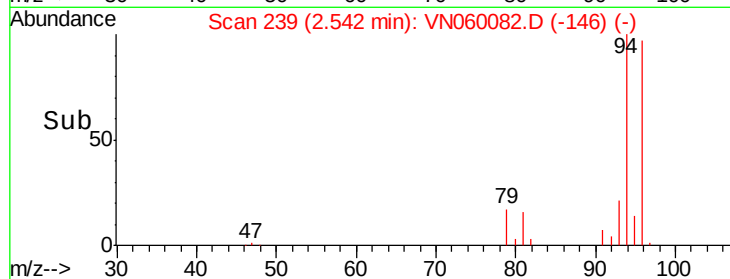
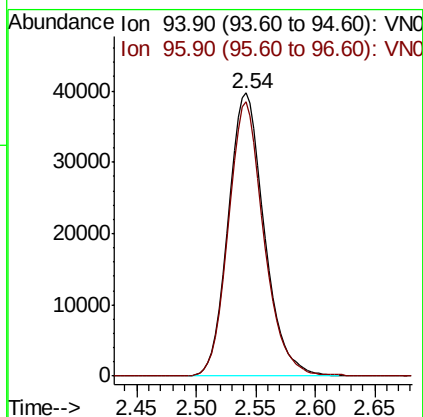
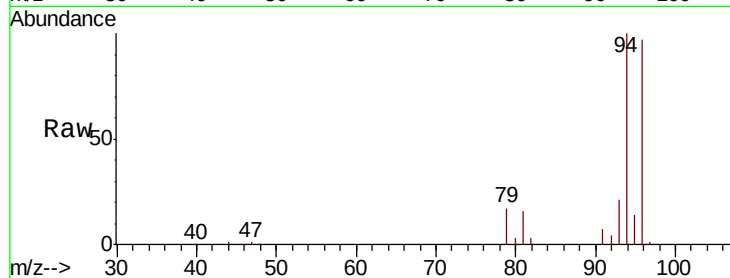




#5
Bromomethane
Concen: 46.418 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

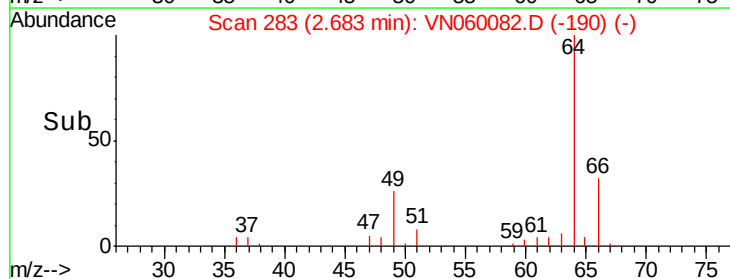
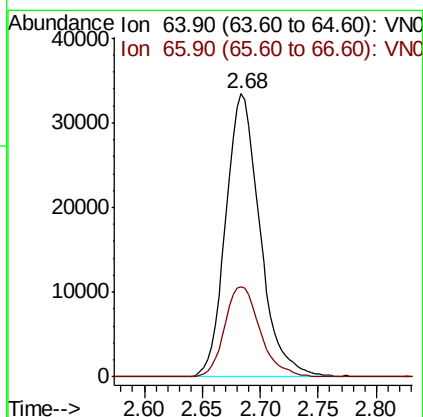
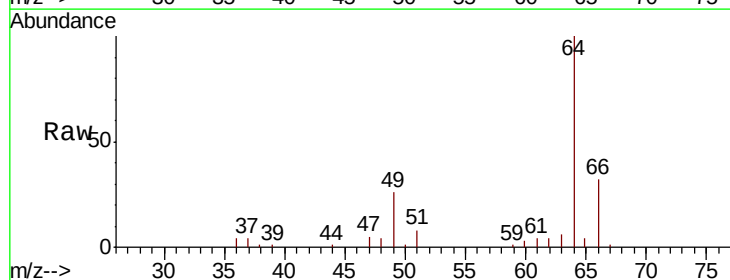
Instrument :
MSVOA_N
ClientSampled :

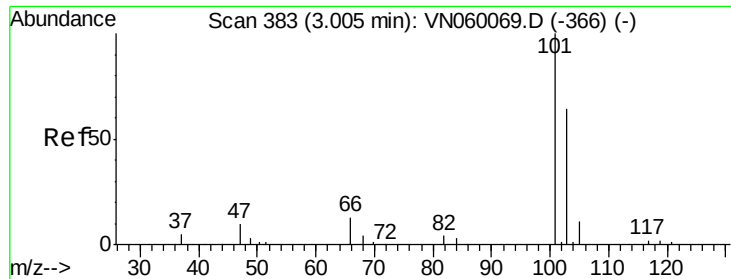
Tot Ion: 94 Resp: 83479
Ion Ratio Lower Upper
94 100
96 96.9 76.7 115.1



#6
Chloroethane
Concen: 46.065 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 64 Resp: 68336
Ion Ratio Lower Upper
64 100
66 32.0 26.6 40.0



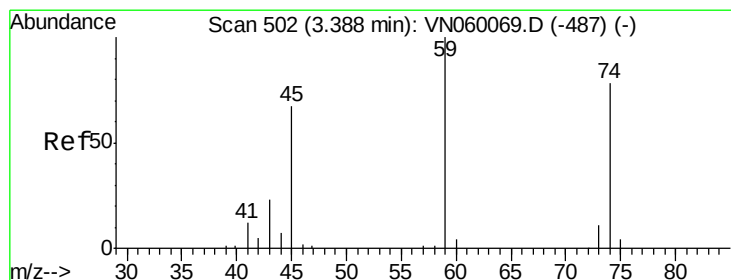
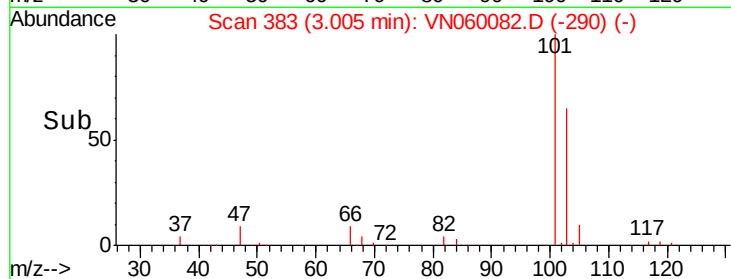
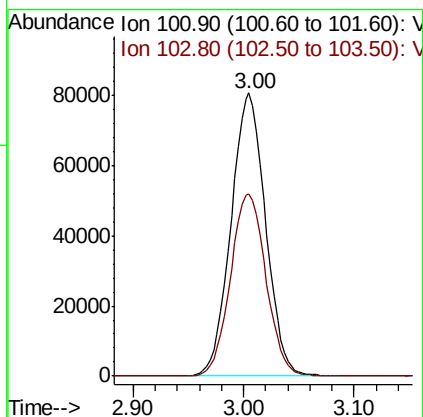
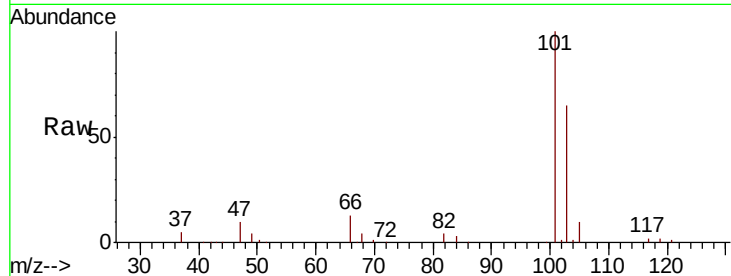


#7

Trichlorofluoromethane
 Concen: 46.264 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampled :

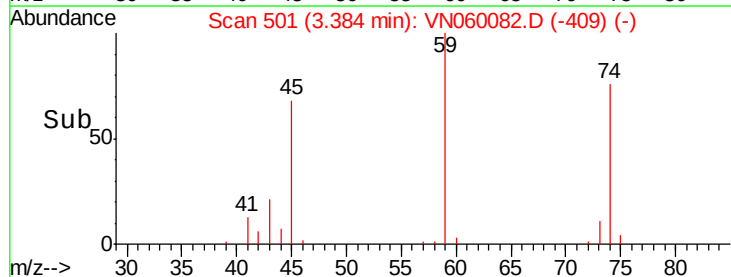
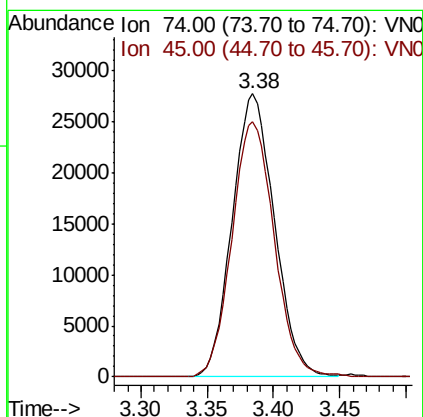
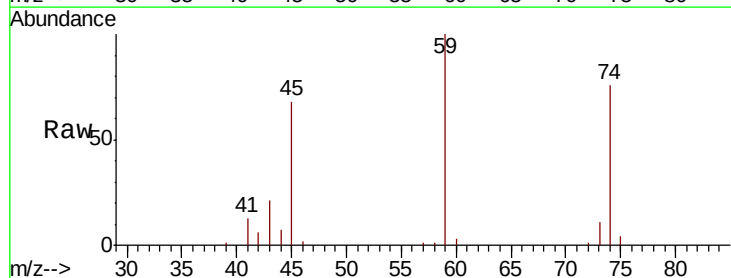
Tot Ion:101 Resp: 174946
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.0 76.6

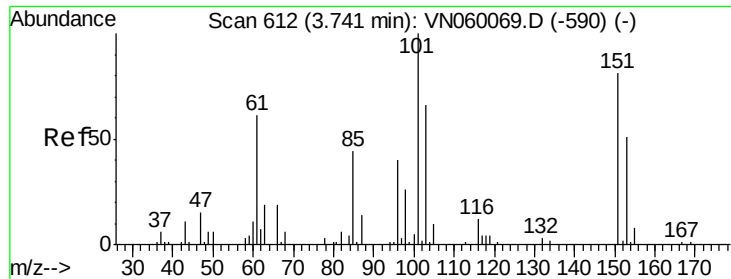


#8

Diethyl Ether
 Concen: 48.756 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion: 74 Resp: 61372
 Ion Ratio Lower Upper
 74 100
 45 90.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.275 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

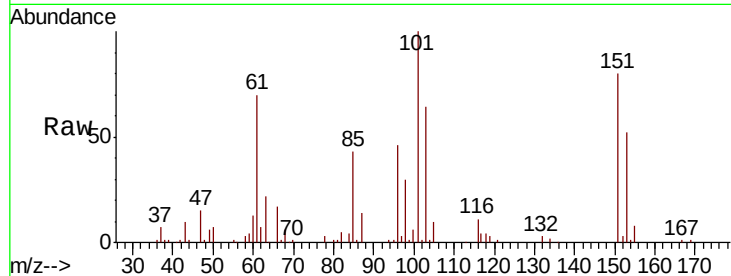
Tot Ion:101 Resp: 101351

Ion Ratio Lower Upper

101 100

85 43.8 35.1 52.7

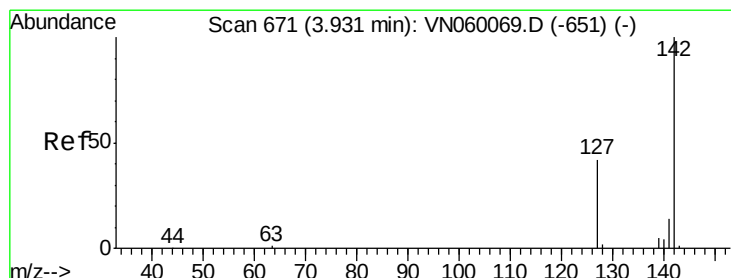
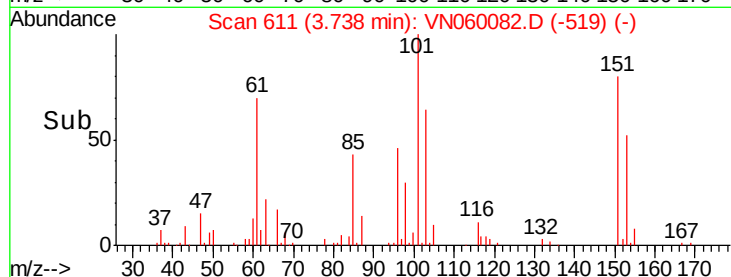
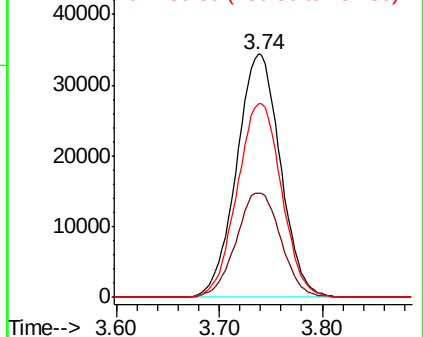
151 80.8 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.183 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

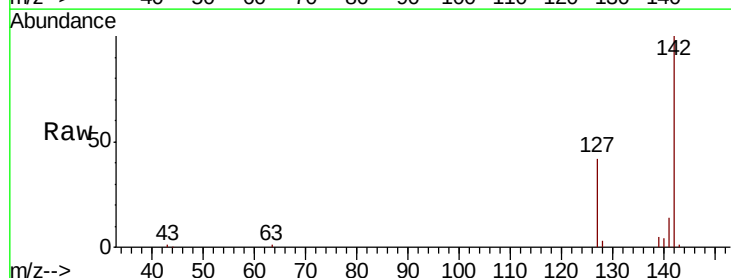
Tgt Ion:142 Resp: 126773

Ion Ratio Lower Upper

142 100

127 42.3 33.6 50.4

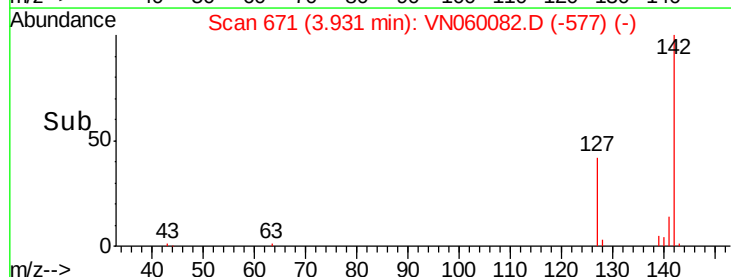
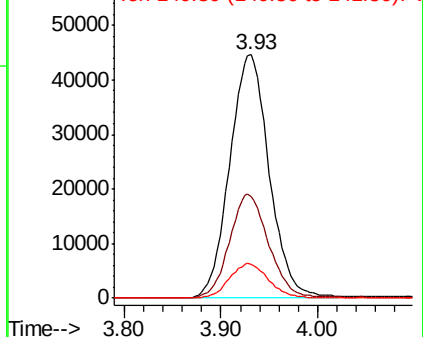
141 14.0 11.4 17.2

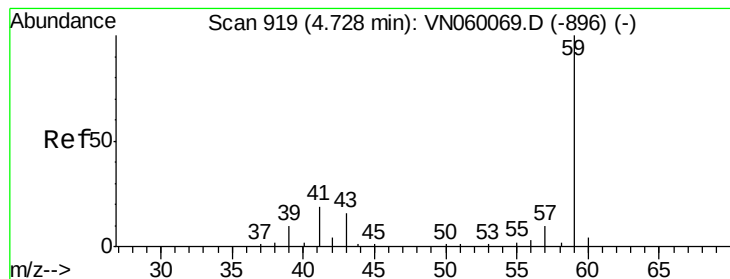


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



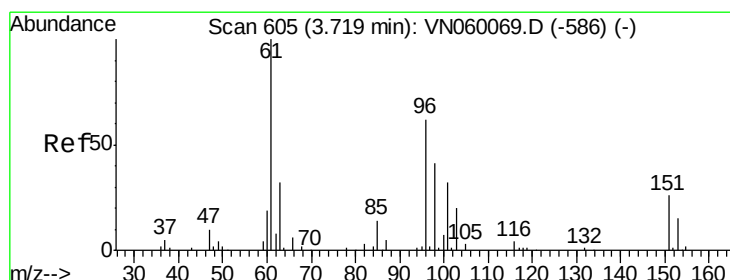
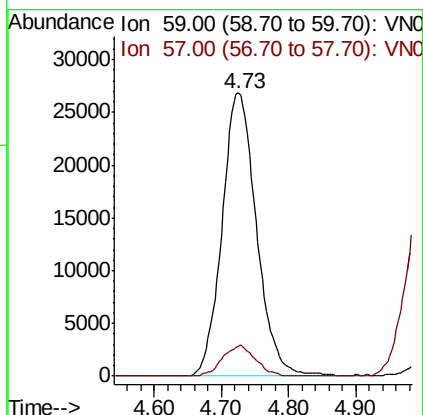
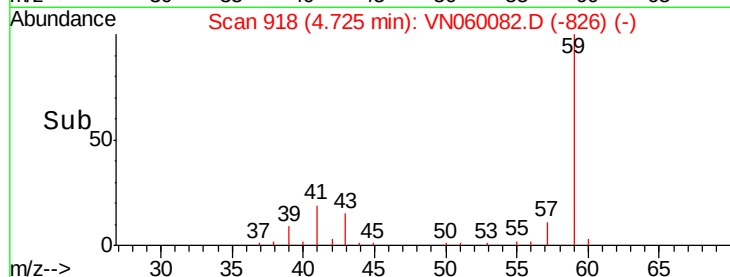
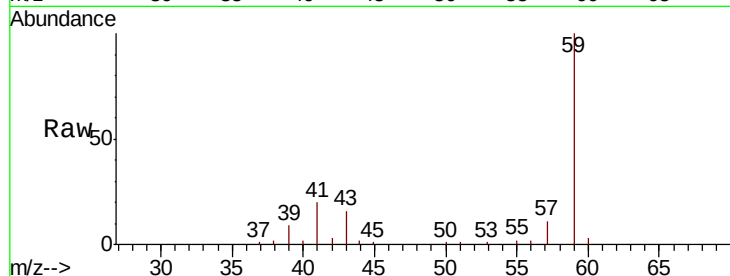


#11

Tert butyl alcohol
Concen: 242.164 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampled :

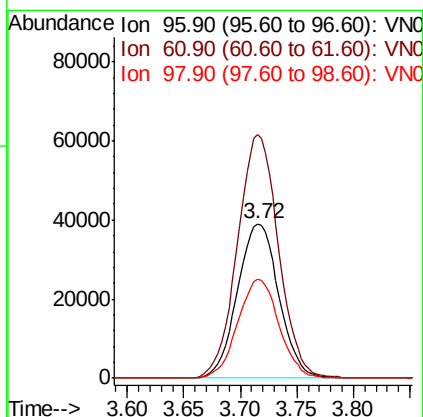
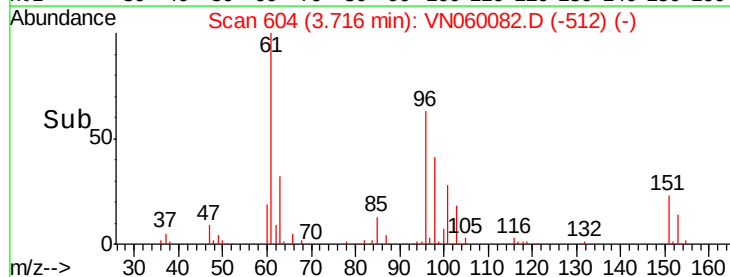
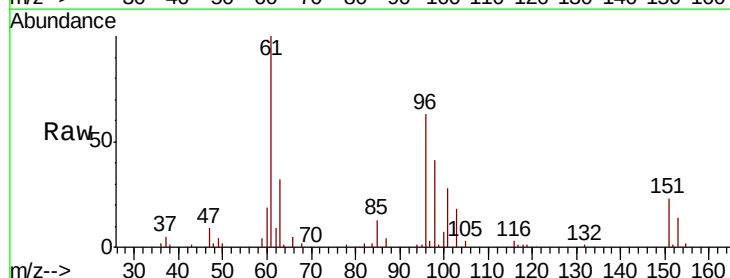
Tot Ion: 59 Resp: 95389
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

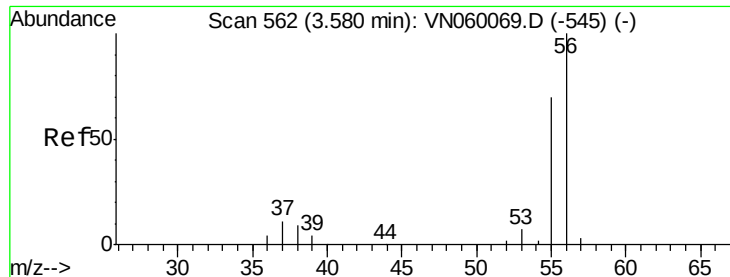


#12

1,1-Dichloroethene
Concen: 48.644 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 96 Resp: 99487
Ion Ratio Lower Upper
96 100
61 157.5 128.3 192.5
98 64.1 52.2 78.4





#13

Acrolein

Concen: 151.882 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

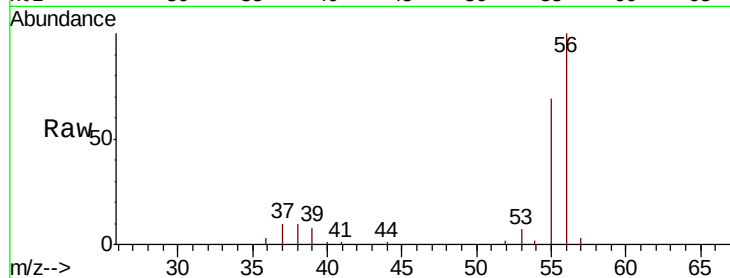
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 59135

Ion Ratio Lower Upper

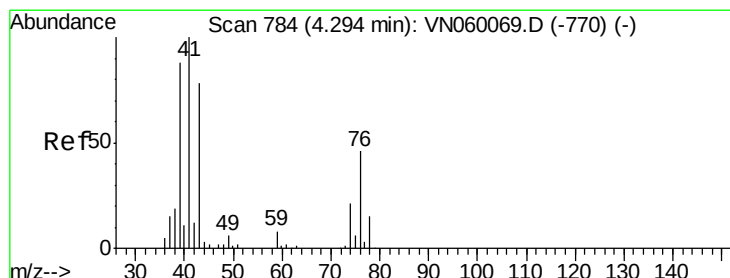
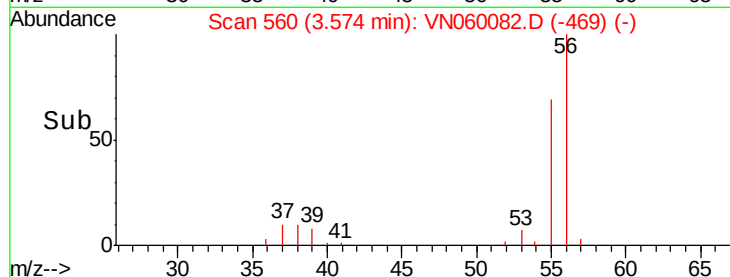
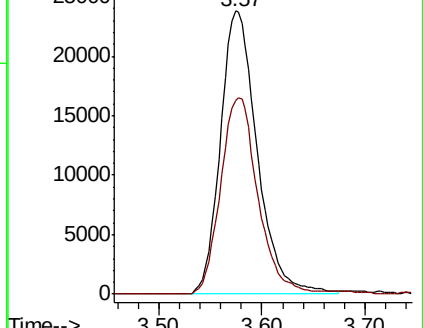
56 100

55 70.2 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)



#14

Allyl chloride

Concen: 46.047 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

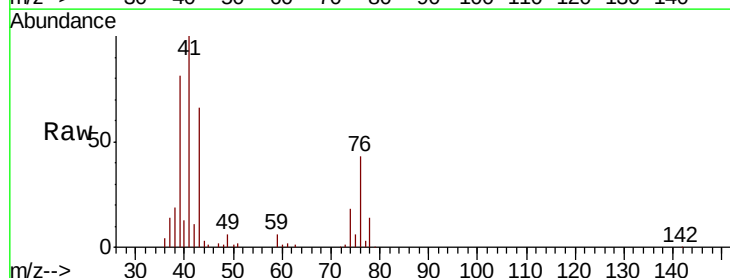
Tgt Ion: 41 Resp: 138614

Ion Ratio Lower Upper

41 100

39 82.1 67.8 101.8

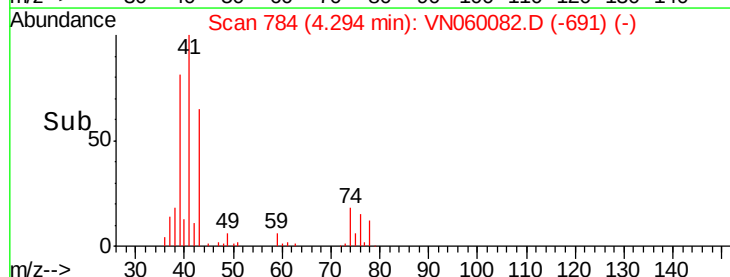
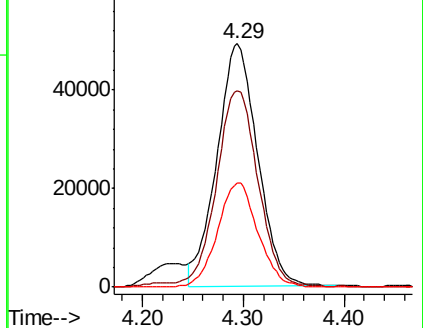
76 42.7 33.9 50.9

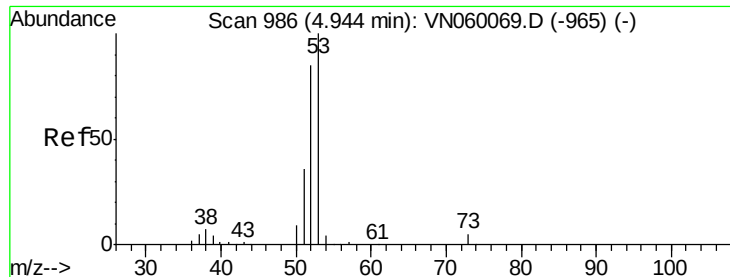


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)





#15

Acrylonitrile

Concen: 248.966 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

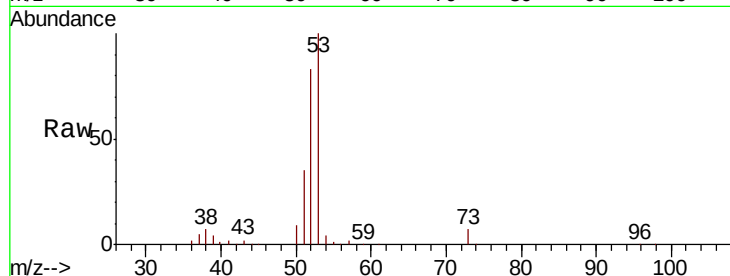
Tot Ion: 53 Resp: 239496

Ion Ratio Lower Upper

53 100

52 82.3 66.8 100.2

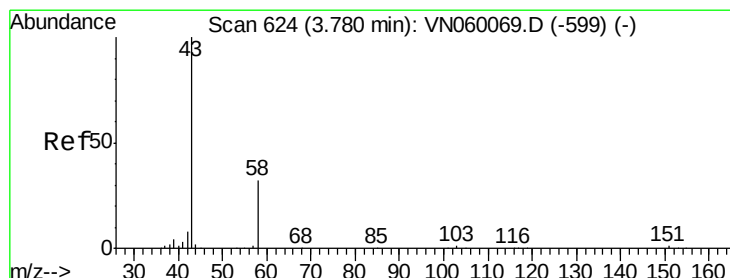
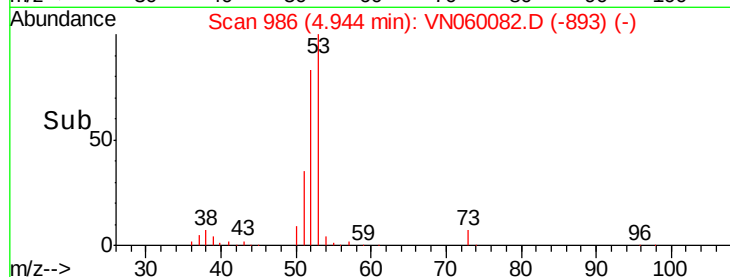
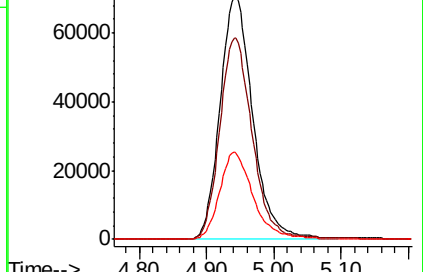
51 36.7 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060069.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060069.D (-965) (-)



#16

Acetone

Concen: 252.524 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060082.D

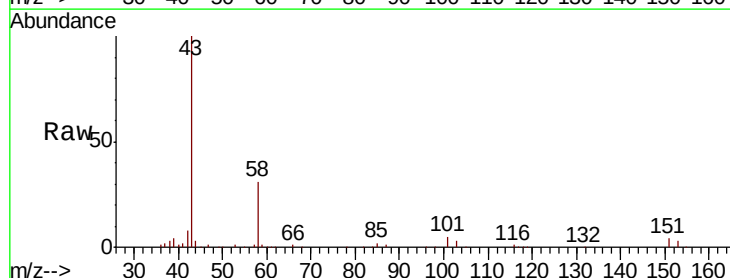
Acq: 13 Feb 2020 9:48

Tgt Ion: 43 Resp: 289941

Ion Ratio Lower Upper

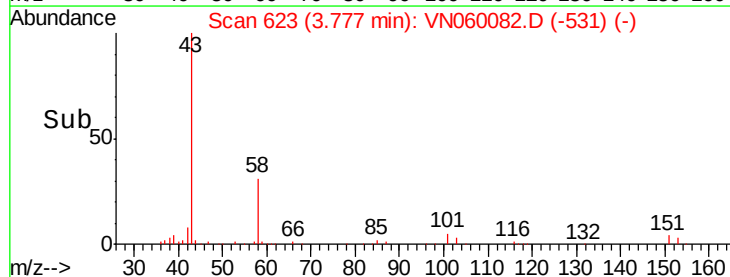
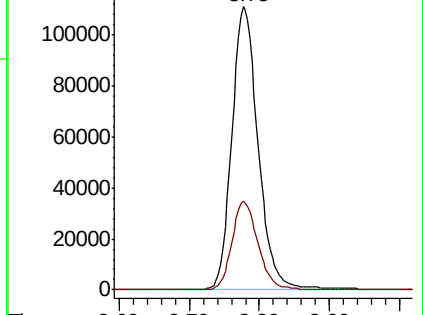
43 100

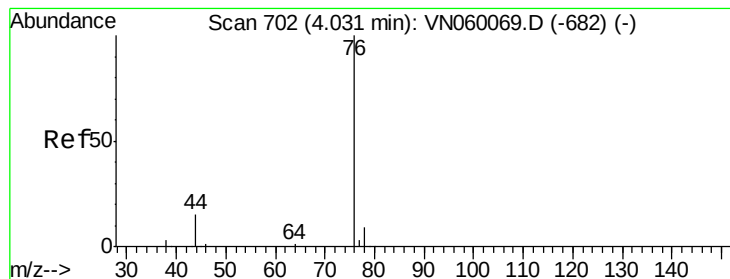
58 31.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)





#17

Carbon Disulfide

Concen: 47.324 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

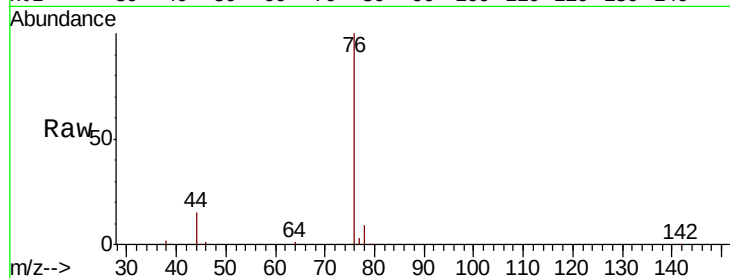
ClientSampled :

Tot Ion: 76 Resp: 291733

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN060069.D (-682) (-)

4.03

120000

100000

80000

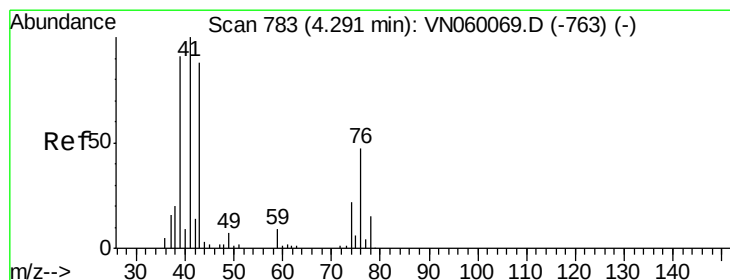
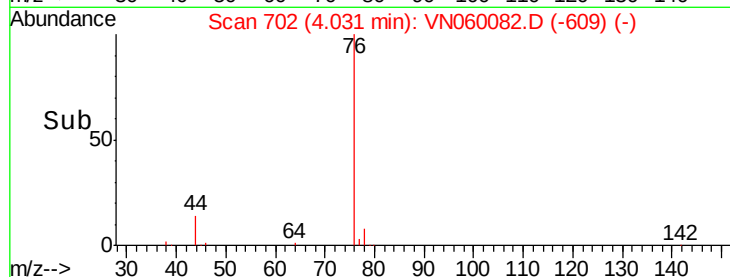
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 48.249 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.01 min

Lab File: VN060082.D

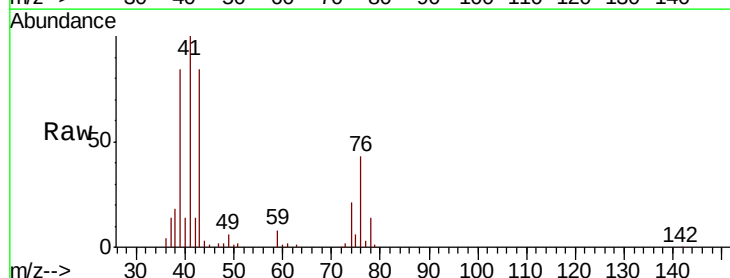
Acq: 13 Feb 2020 9:48

Tgt Ion: 43 Resp: 104065

Ion Ratio Lower Upper

43 100

74 25.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-763) (-)

Ion 74.00 (73.70 to 74.70): VN060069.D (-763) (-)

4.28

40000

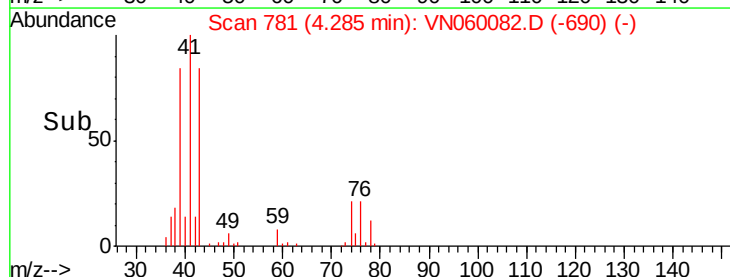
30000

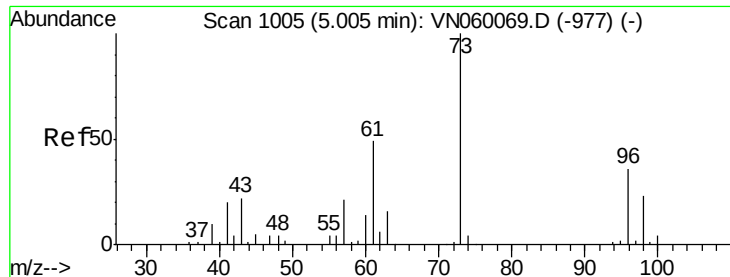
20000

10000

0

Time-->

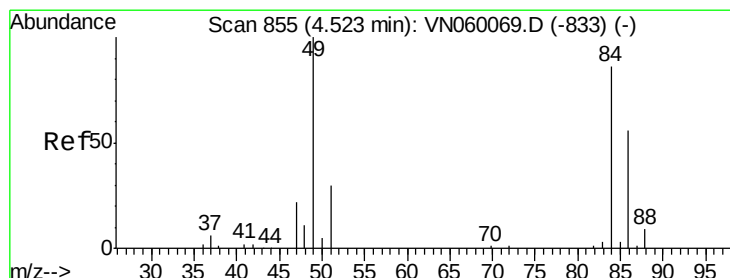
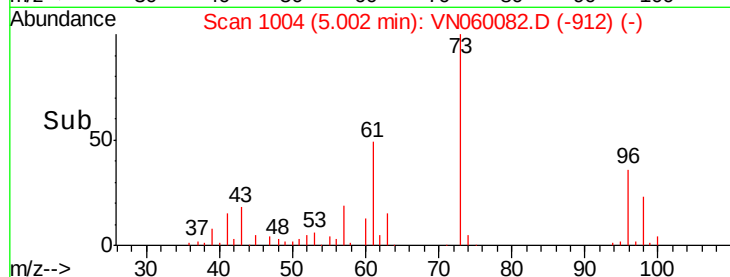
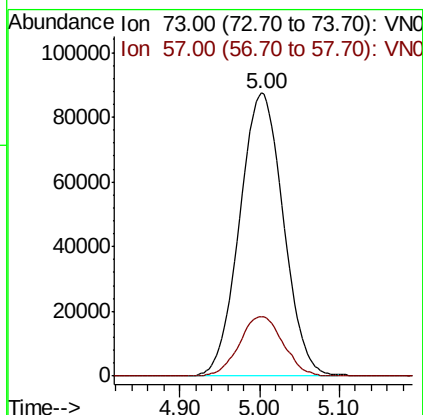
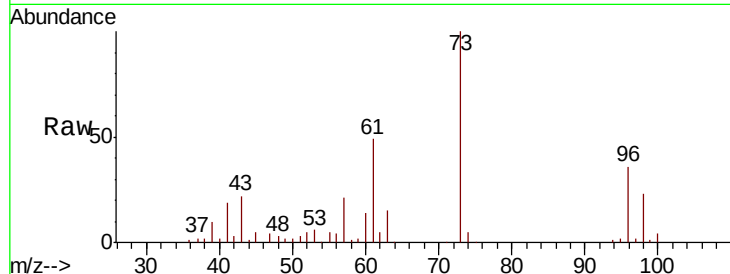




#19
Methyl tert-butyl Ether
Concen: 47.478 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

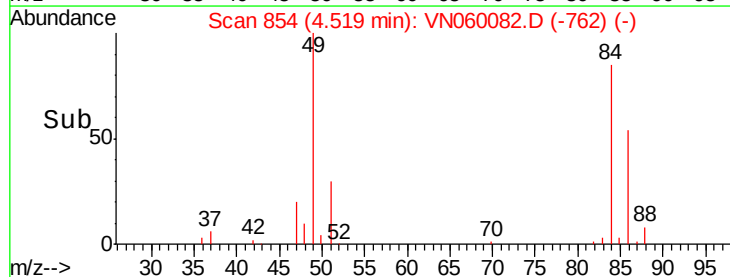
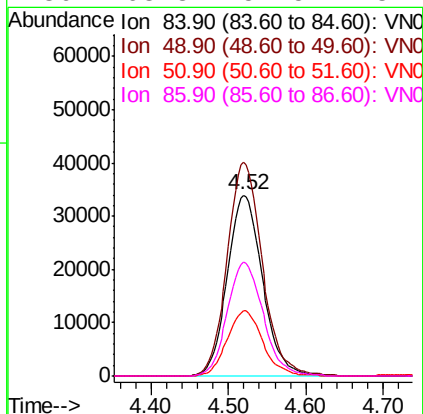
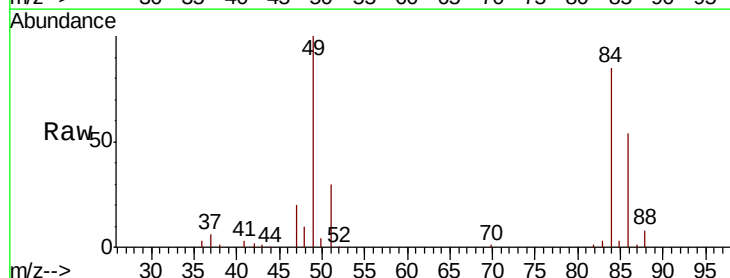
Instrument :
MSVOA_N
ClientSampled :

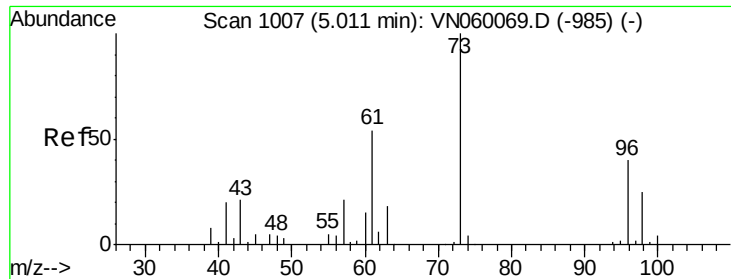
Tot Ion: 73 Resp: 326554
Ion Ratio Lower Upper
73 100
57 21.1 17.2 25.8



#20
Methylene Chloride
Concen: 46.889 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 84 Resp: 107408
Ion Ratio Lower Upper
84 100
49 118.2 93.4 140.0
51 36.0 28.4 42.6
86 63.3 52.5 78.7

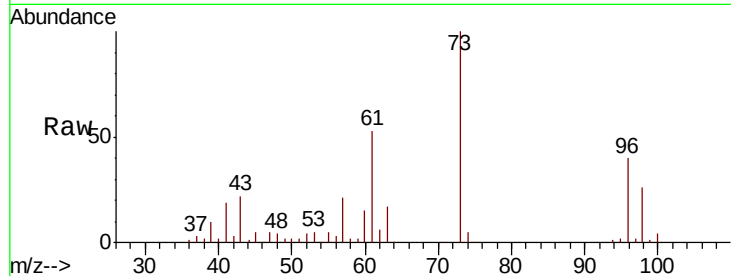




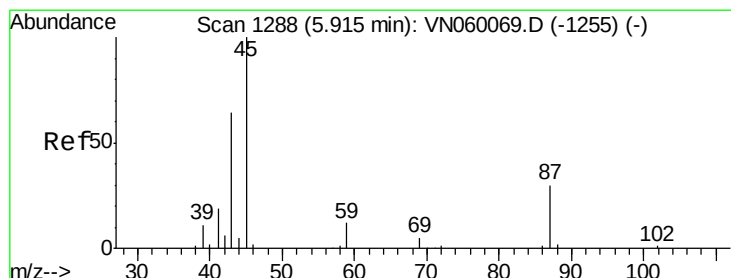
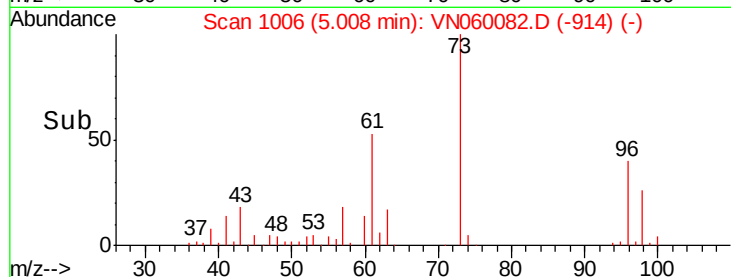
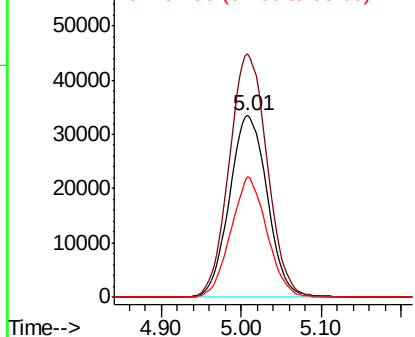
#21
trans-1,2-Dichloroethene
Concen: 48.317 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 107720
Ion Ratio Lower Upper
96 100
61 133.9 109.3 163.9
98 66.4 51.0 76.6

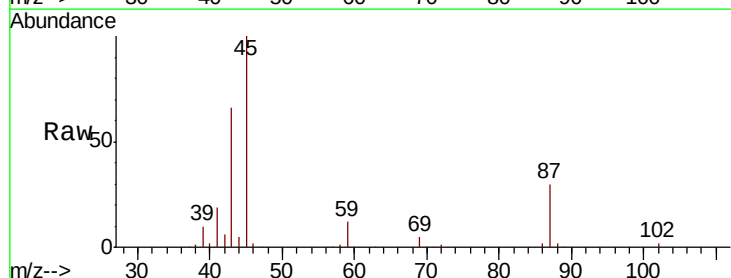


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

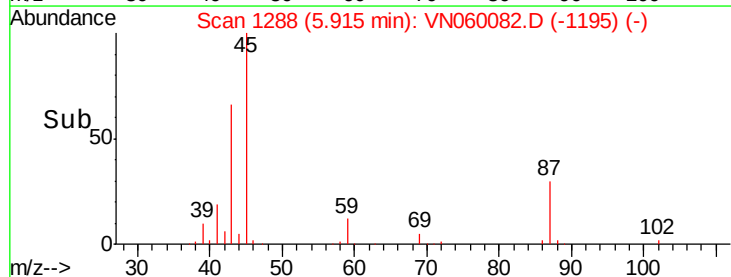
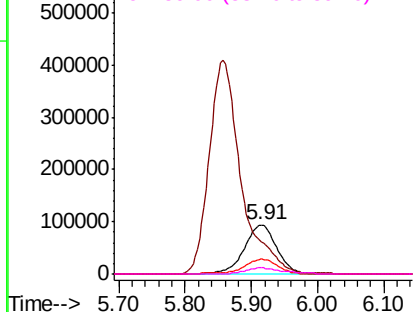


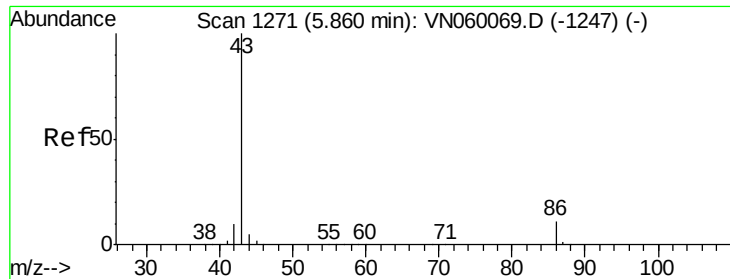
#22
Diisopropyl ether
Concen: 48.218 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 45 Resp: 318108
Ion Ratio Lower Upper
45 100
43 64.6 55.9 83.9
87 30.0 24.5 36.7
59 11.9 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

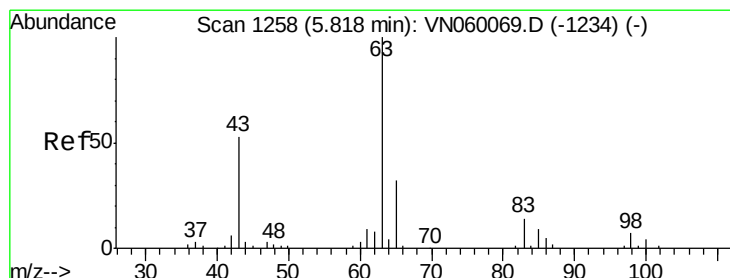
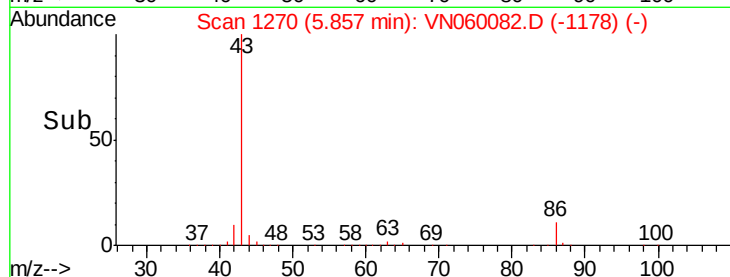
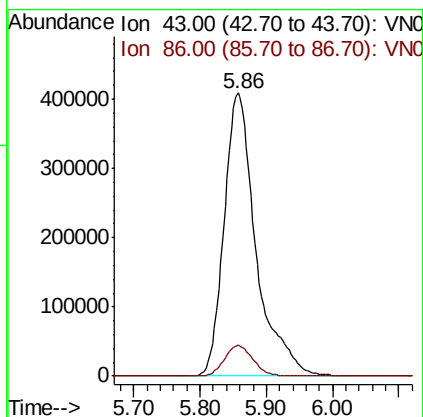
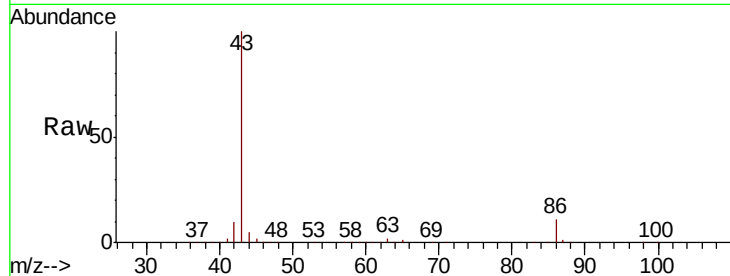




#23
 Vinyl Acetate
 Concen: 247.224 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

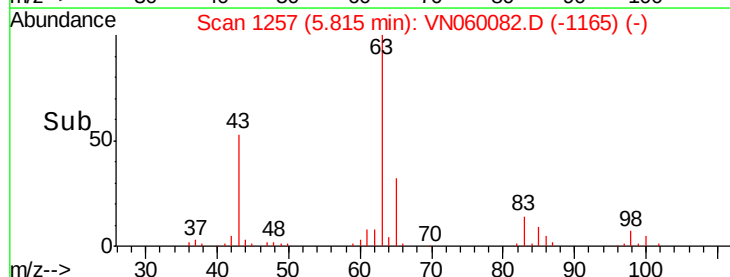
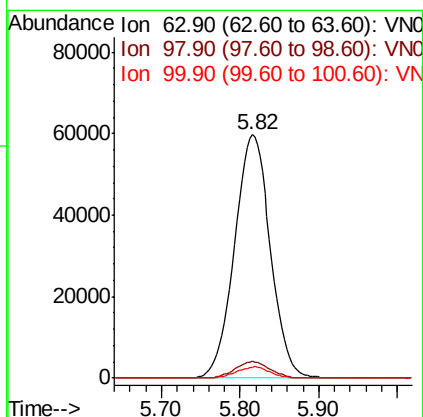
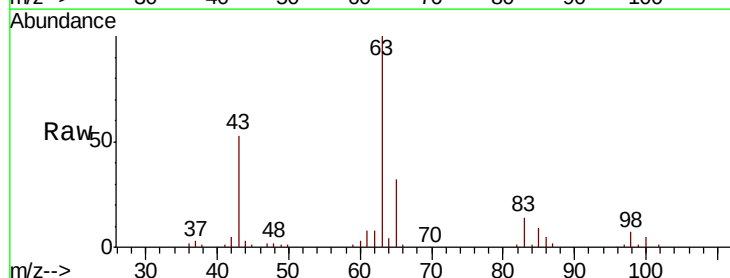
Instrument :
 MSVOA_N
 ClientSampled :

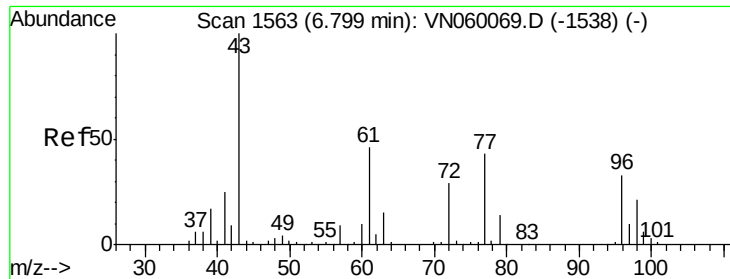
Tot Ion: 43 Resp: 1369666
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 47.623 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion: 63 Resp: 190327
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 261.019 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

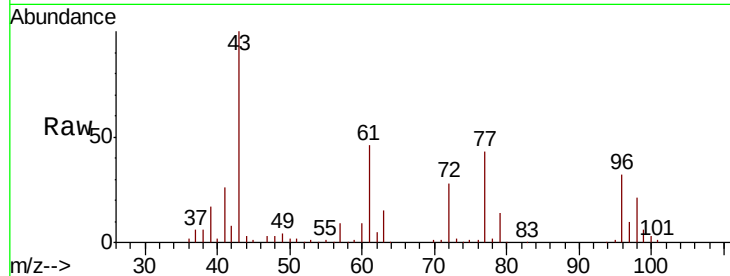
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 376919

Ion Ratio Lower Upper

43 100

72 28.3 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) (-)

6.80

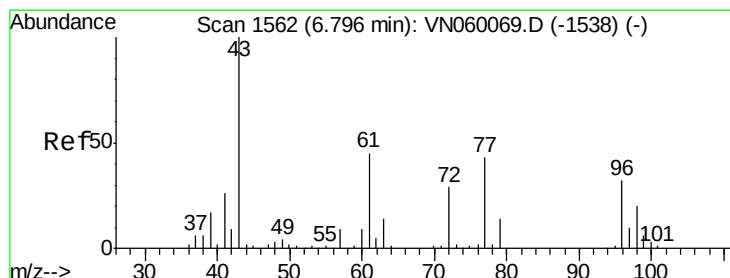
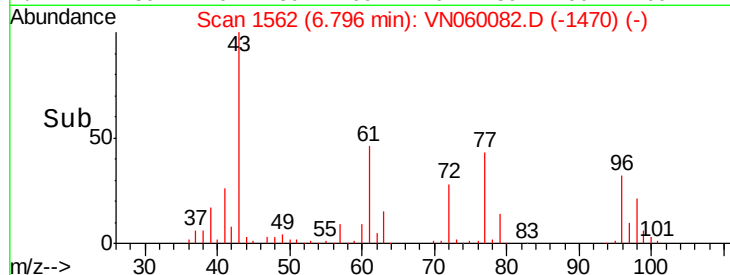
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.126 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060082.D

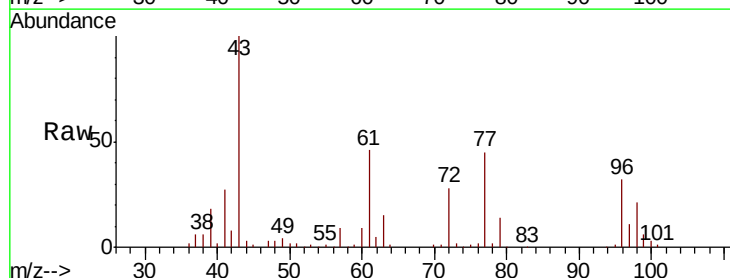
Acq: 13 Feb 2020 9:48

Tgt Ion: 77 Resp: 182684

Ion Ratio Lower Upper

77 100

97 23.0 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) (-)

6.79

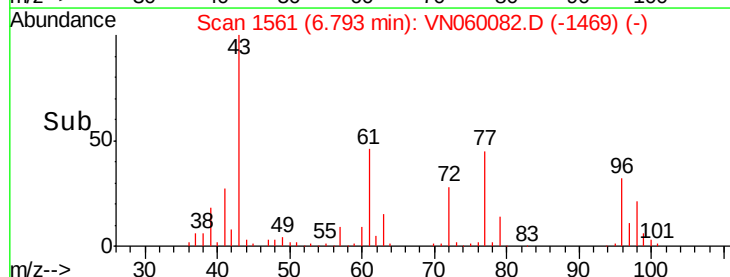
60000

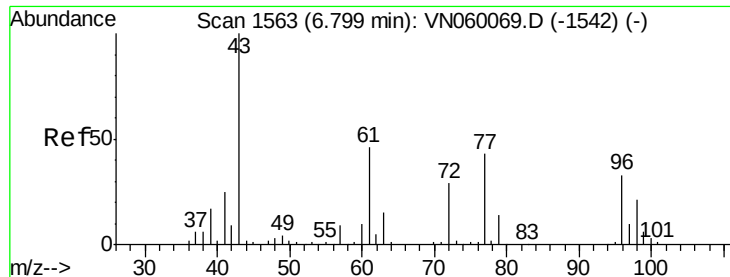
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.270 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampled :

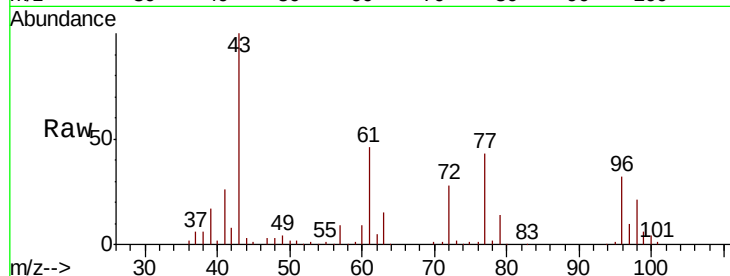
Tot Ion: 96 Resp: 123335

Ion Ratio Lower Upper

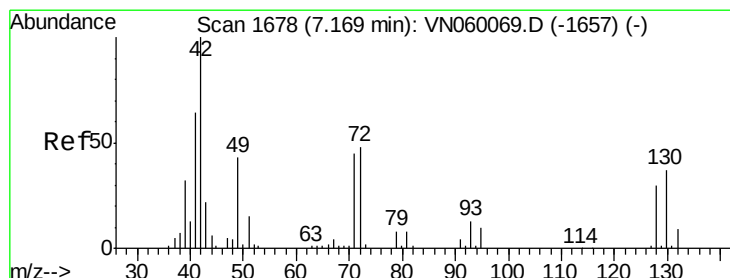
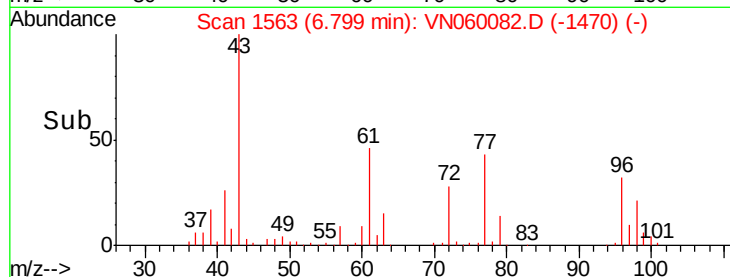
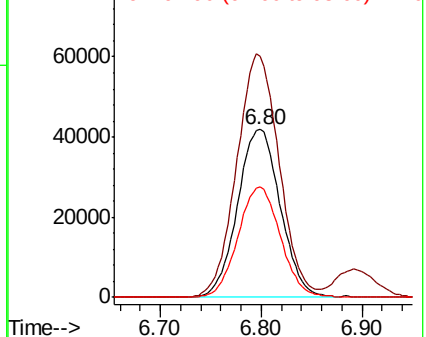
96 100

61 143.9 0.0 285.8

98 65.3 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: 48.882 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

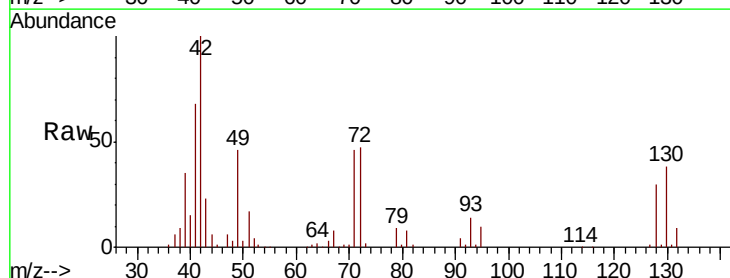
Tgt Ion: 49 Resp: 76803

Ion Ratio Lower Upper

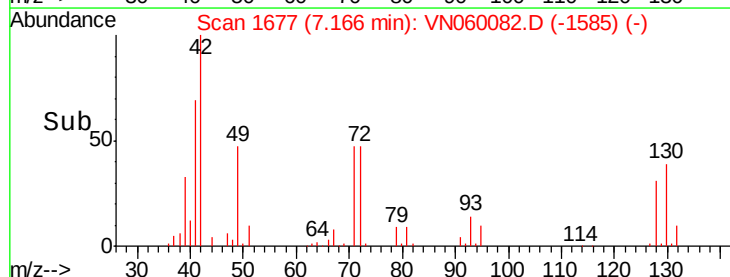
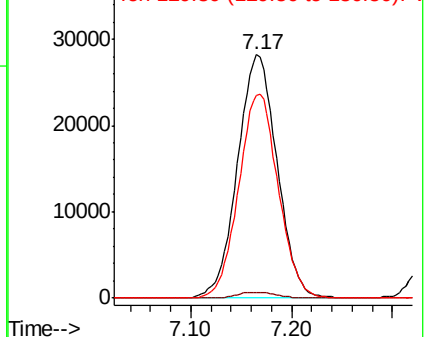
49 100

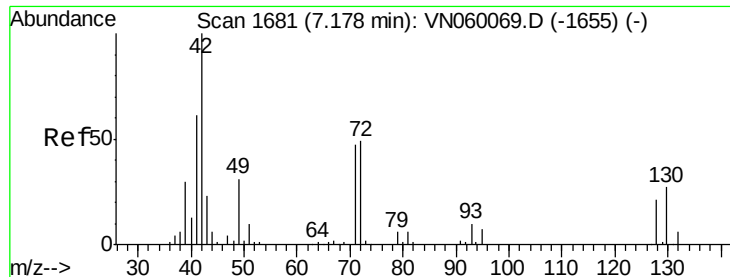
129 2.2 0.0 2.2#

130 83.6 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

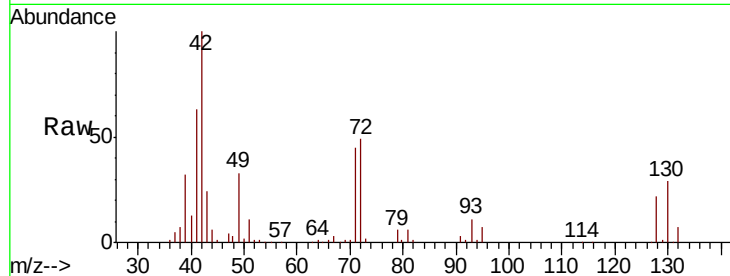




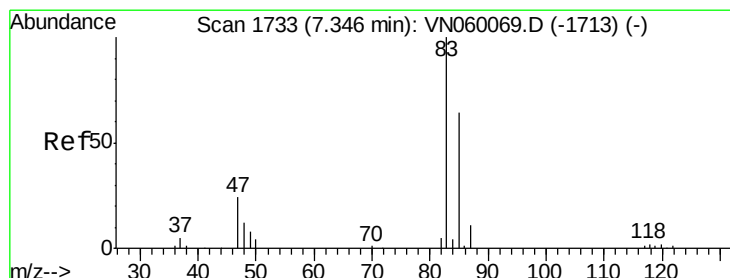
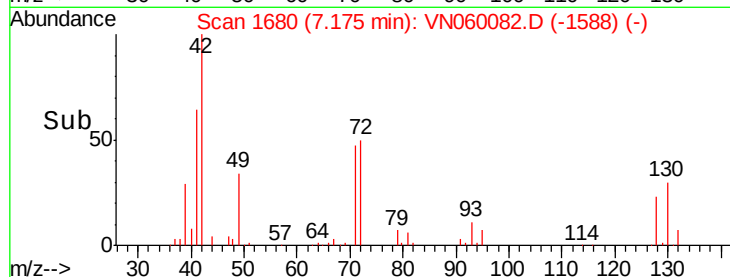
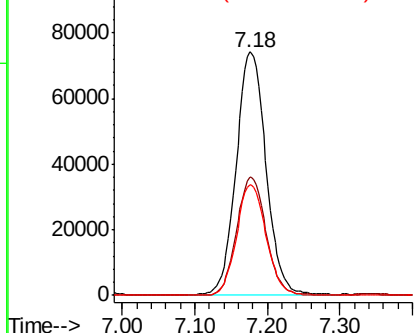
#29
Tetrahydrofuran
Concen: 241.260 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 213728
Ion Ratio Lower Upper
42 100
72 47.8 38.2 57.4
71 44.6 36.6 54.8

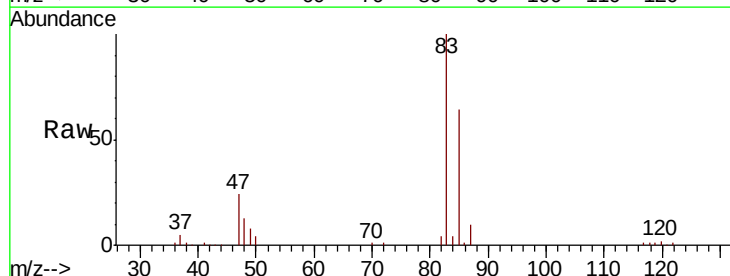


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

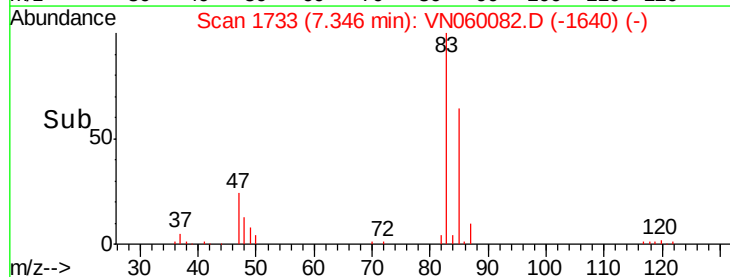
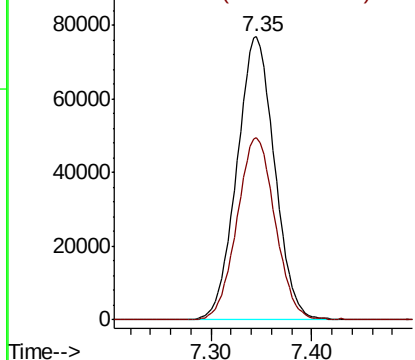


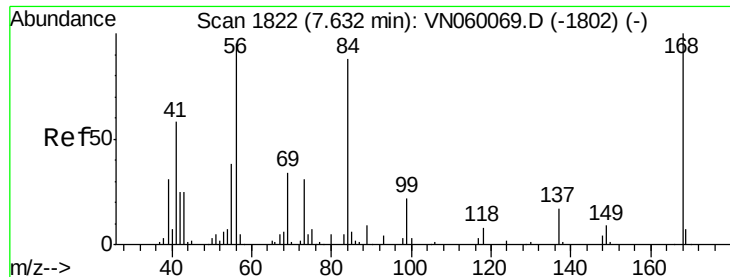
#30
Chloroform
Concen: 47.530 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 83 Resp: 198982
Ion Ratio Lower Upper
83 100
85 64.4 51.4 77.0



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

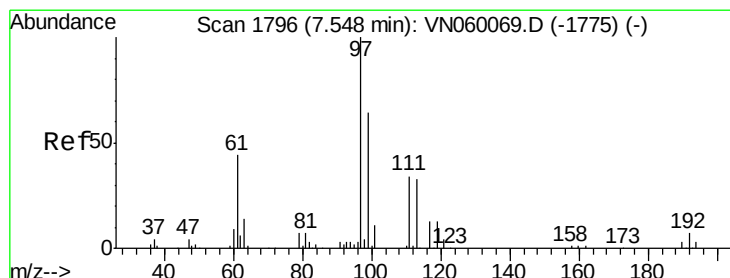
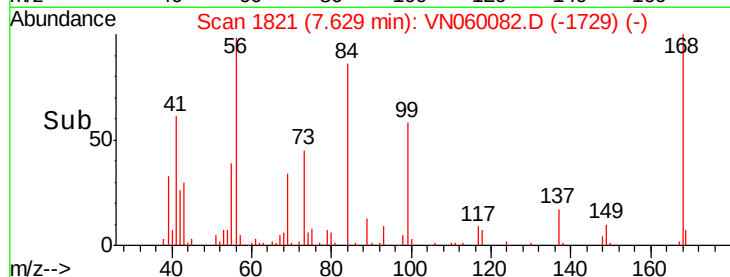
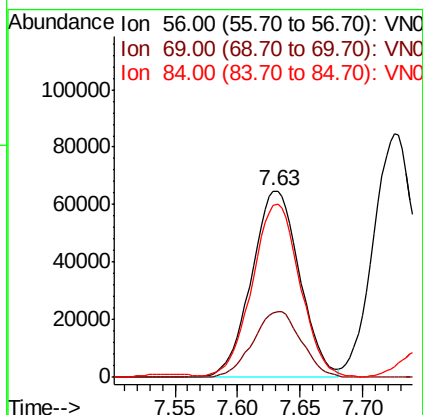
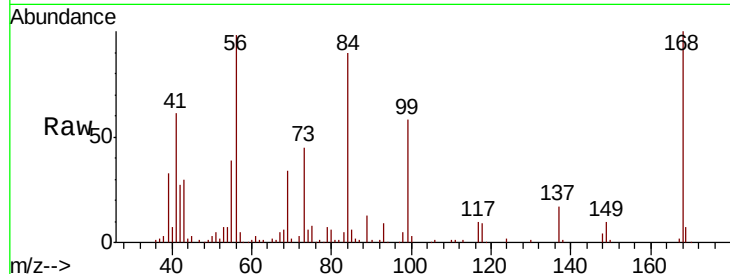




#31
Cyclohexane
Concen: 46.582 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

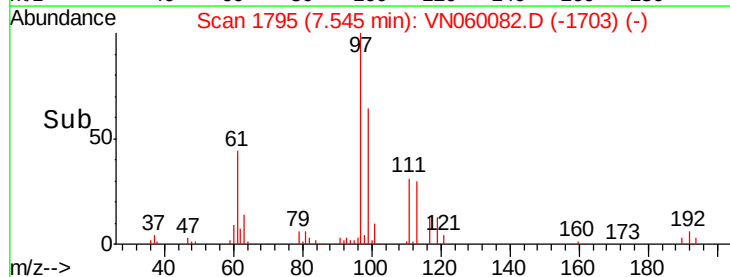
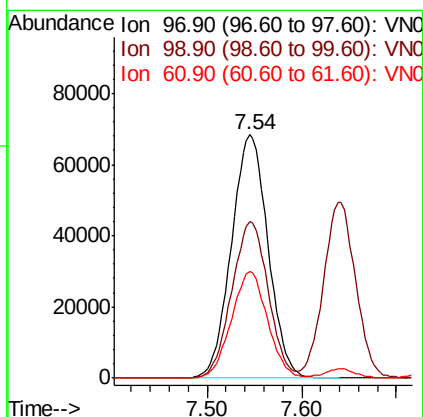
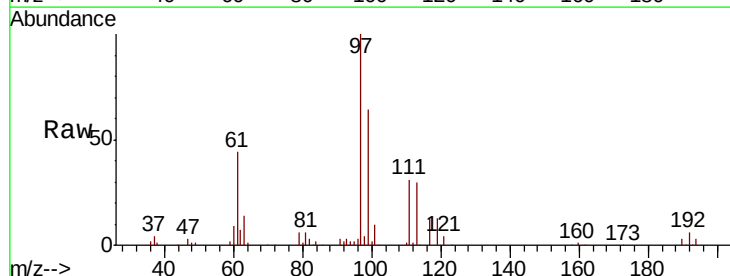
Instrument :
MSVOA_N
ClientSampled :

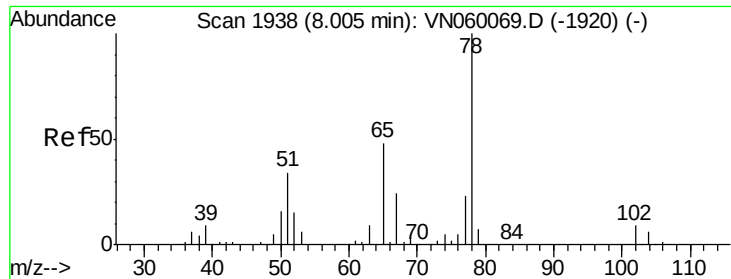
Tot Ion: 56 Resp: 173421
Ion Ratio Lower Upper
56 100
69 34.2 28.3 42.5
84 90.7 72.6 108.8



#32
1,1,1-Trichloroethane
Concen: 47.973 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 97 Resp: 183533
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 43.4 34.9 52.3

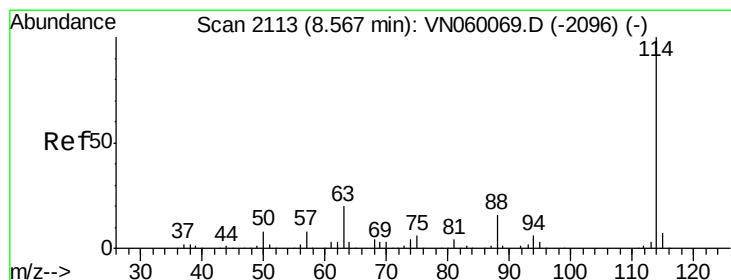
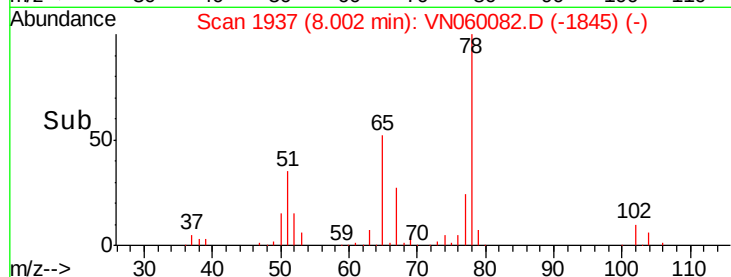
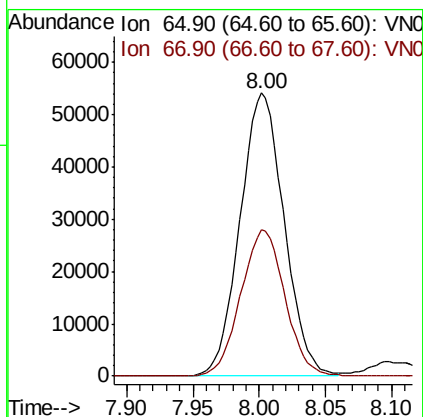
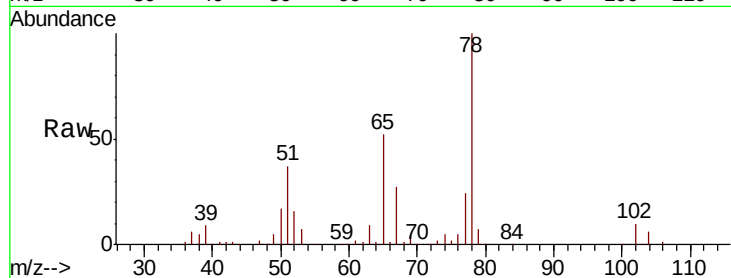




#33
 1,2-Dichloroethane-d4
 Concen: 47.524 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

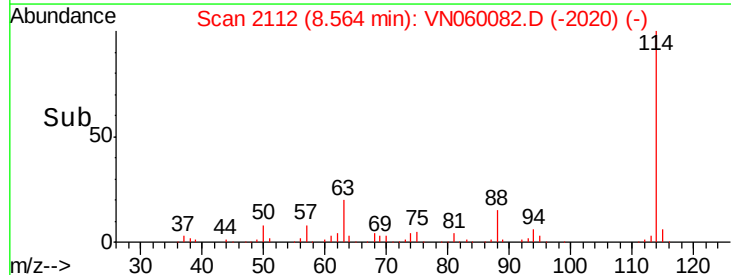
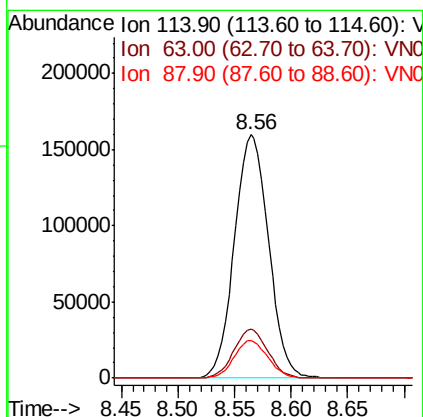
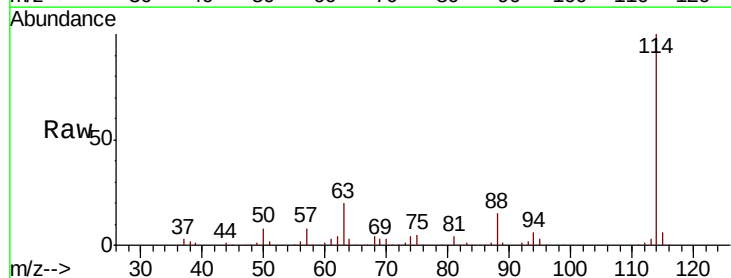
Instrument :
 MSVOA_N
 ClientSampleId :

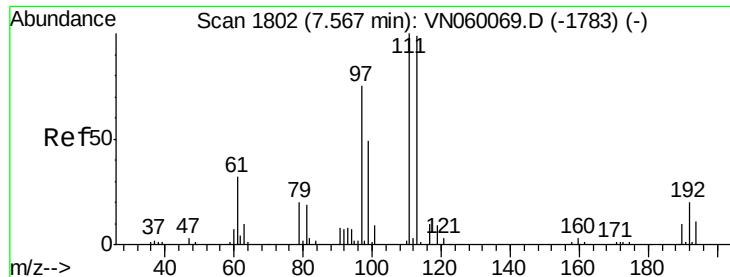
Tot Ion: 65 Resp: 125096
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion: 114 Resp: 336675
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.598 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampleId :

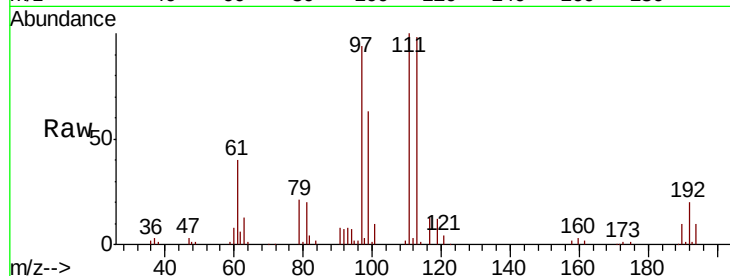
Tot Ion:113 Resp: 100576

Ion Ratio Lower Upper

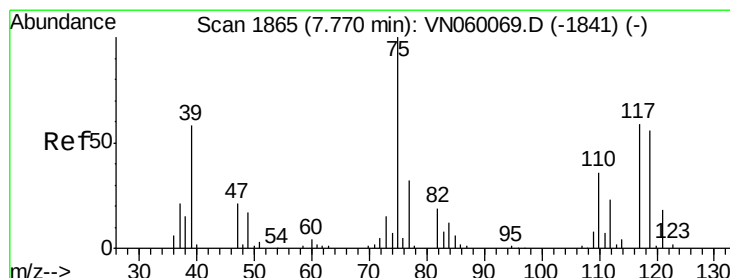
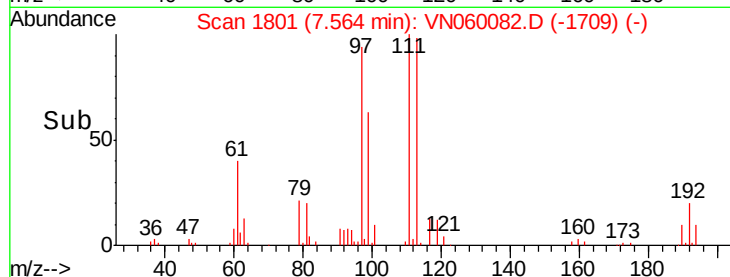
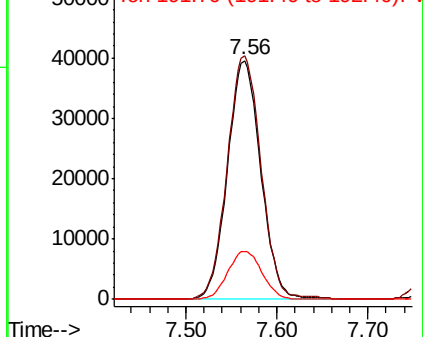
113 100

111 103.9 81.4 122.2

192 20.7 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 48.767 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

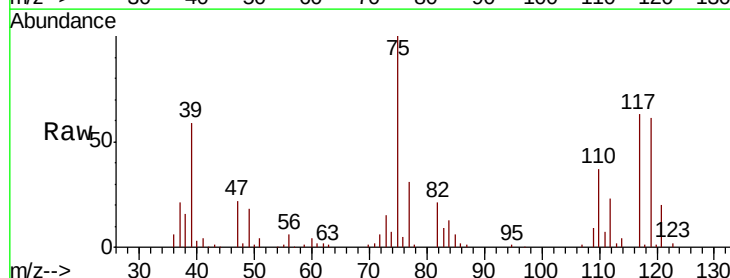
Tgt Ion: 75 Resp: 152075

Ion Ratio Lower Upper

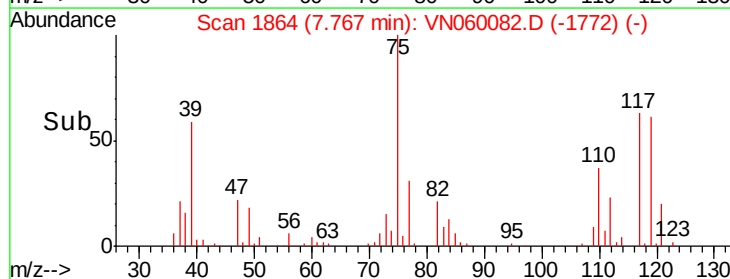
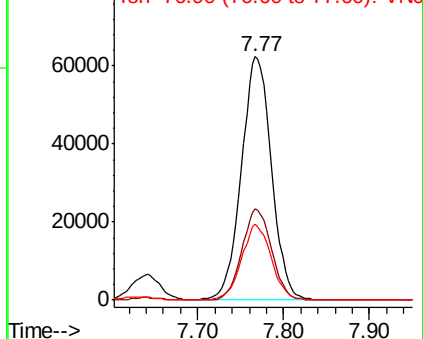
75 100

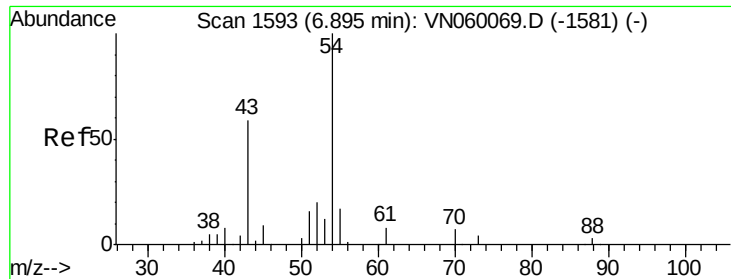
110 36.6 18.1 54.3

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

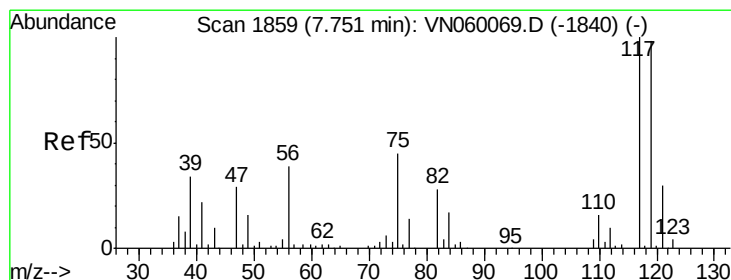
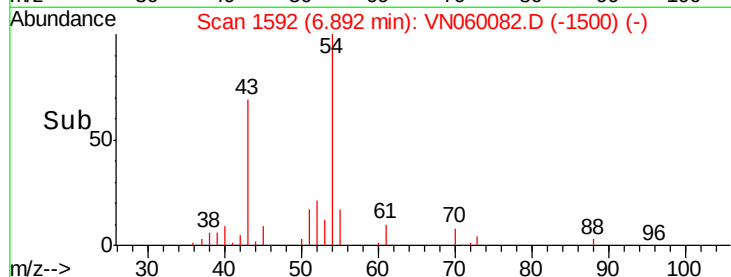
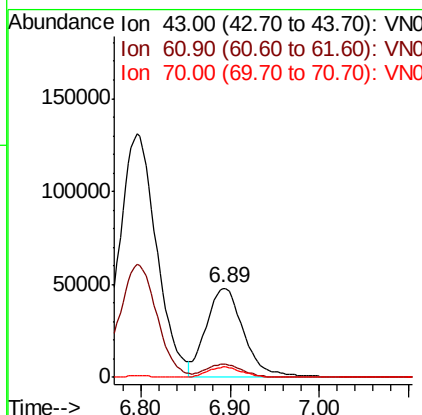
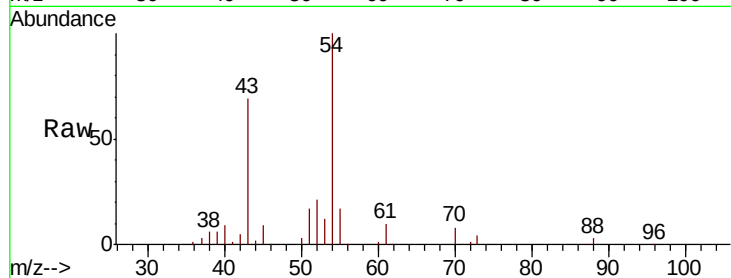




#37
Ethyl Acetate
Concen: 49.288 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

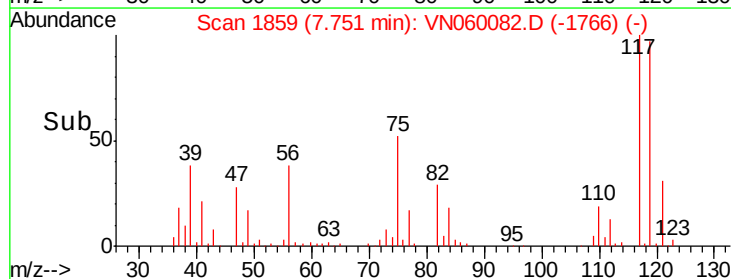
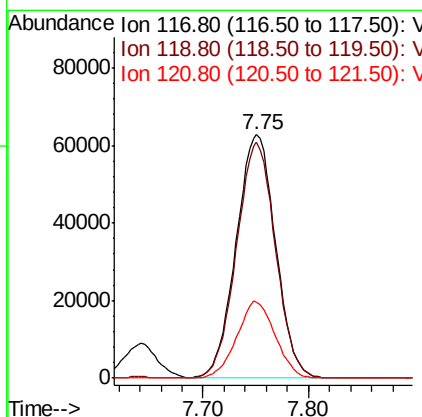
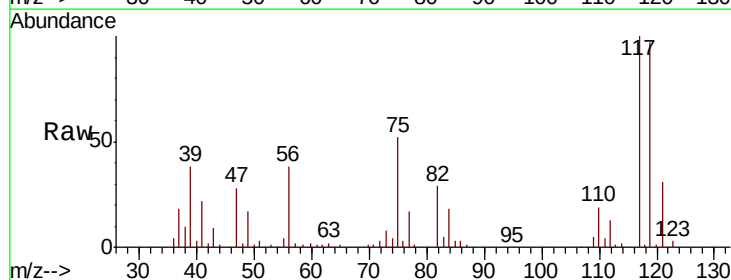
Instrument :
MSVOA_N
ClientSampleId :

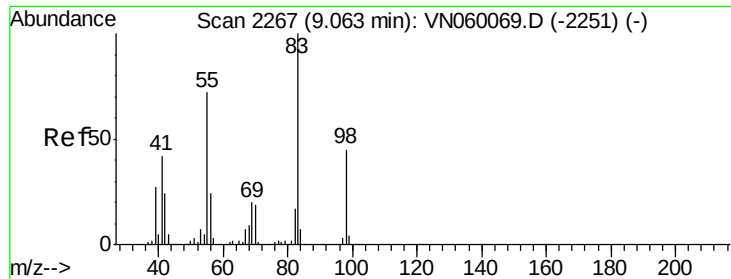
Tot Ion: 43 Resp: 138909
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.2
70 10.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 48.132 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 117 Resp: 163010
Ion Ratio Lower Upper
117 100
119 96.8 78.2 117.4
121 31.3 24.2 36.2

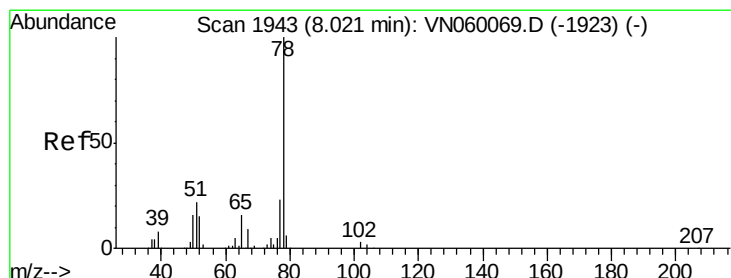
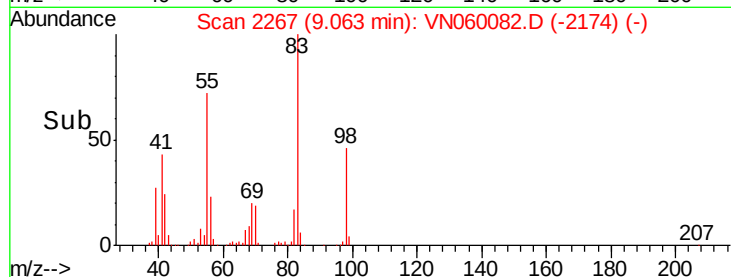
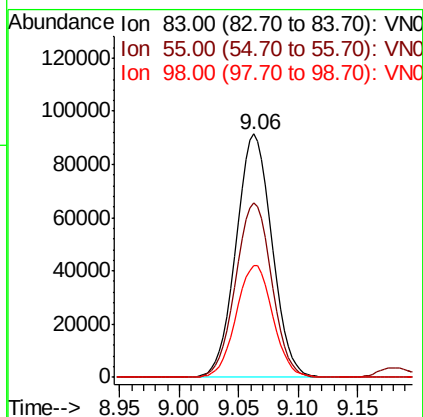
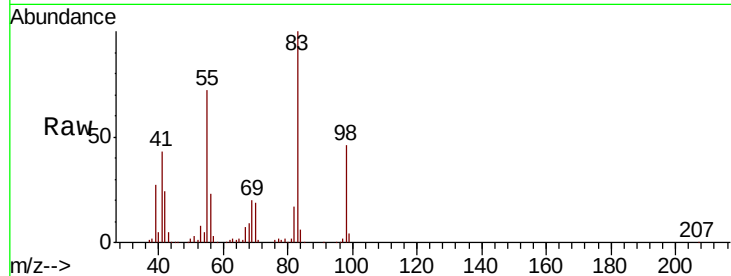




#39
Methylvlcyclohexane
Concen: 49.532 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

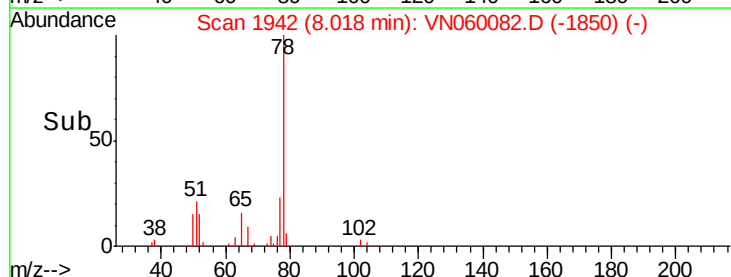
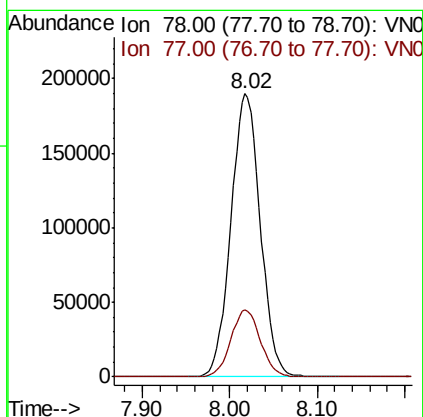
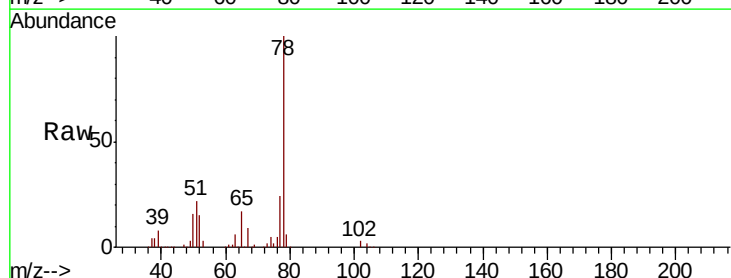
Instrument :
MSVOA_N
ClientSampled :

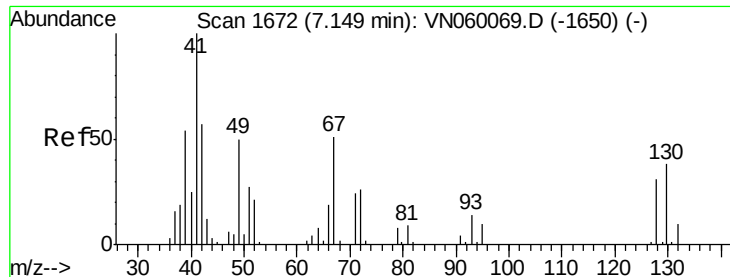
Tot Ion: 83 Resp: 191739
Ion Ratio Lower Upper
83 100
55 71.6 57.8 86.8
98 45.8 36.4 54.6



#40
Benzene
Concen: 47.810 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 78 Resp: 442261
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

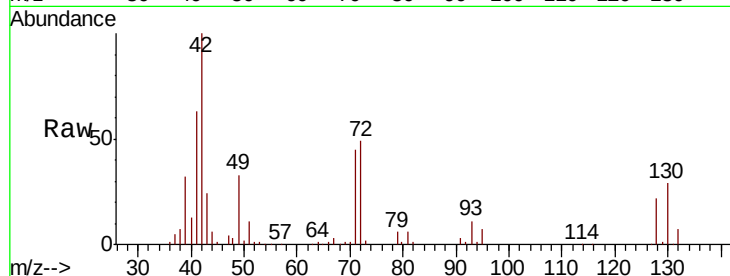




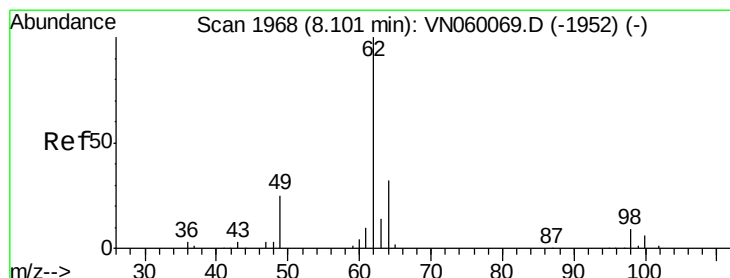
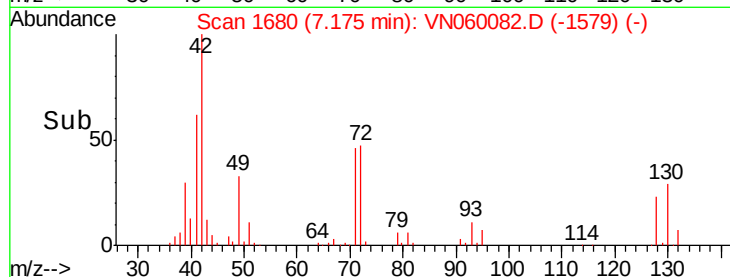
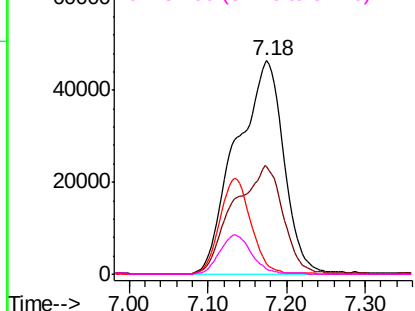
#41
Methacrylonitrile
Concen: 167.367 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	197816
Ion	Ratio	Lower	Upper
41	100		
39	52.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

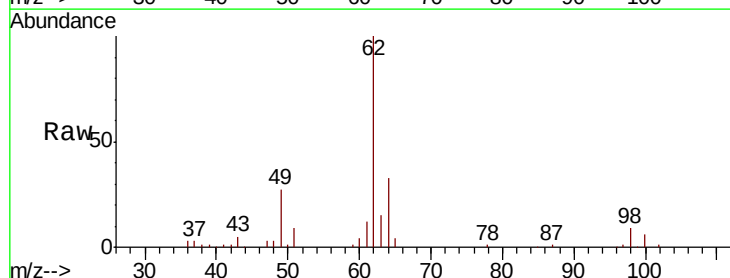


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

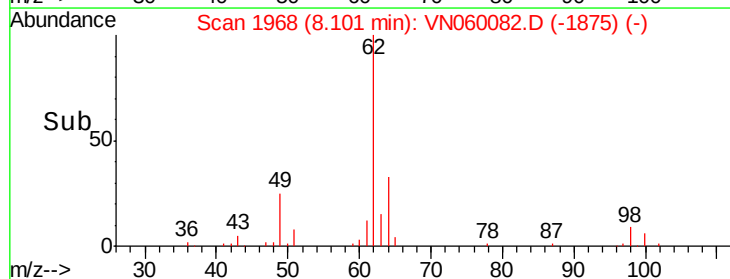
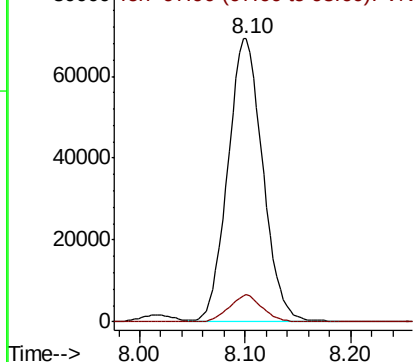


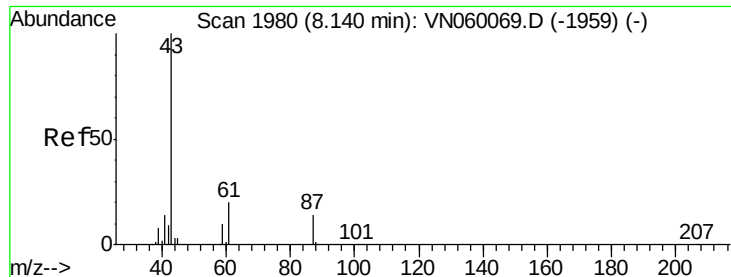
#42
1,2-Dichloroethane
Concen: 48.835 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion:	62	Resp:	158329
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 49.561 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

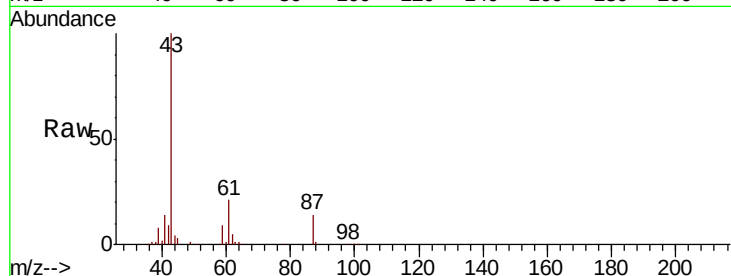
Tot Ion: 43 Resp: 238769

Ion Ratio Lower Upper

43 100

61 27.1 21.8 32.6

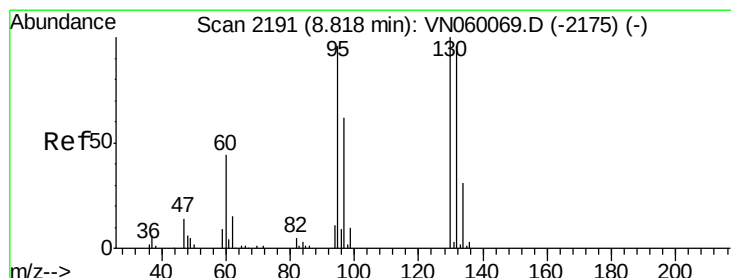
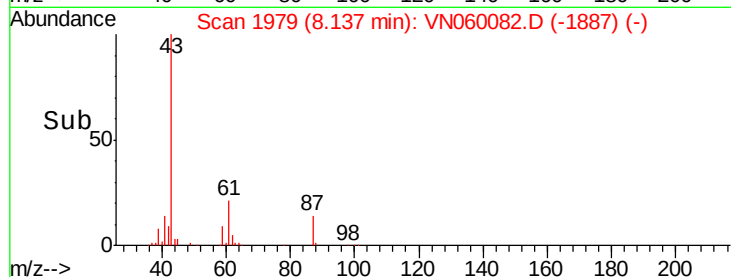
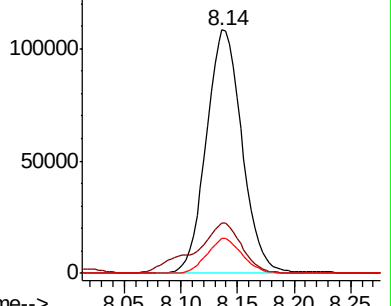
87 14.2 11.4 17.2



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

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#44

Trichloroethene

Concen: 48.282 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060082.D

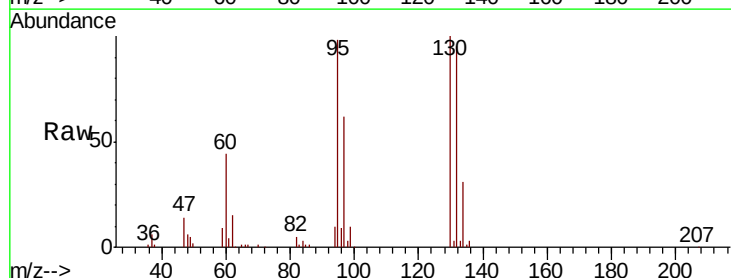
Acq: 13 Feb 2020 9:48

Tgt Ion:130 Resp: 123669

Ion Ratio Lower Upper

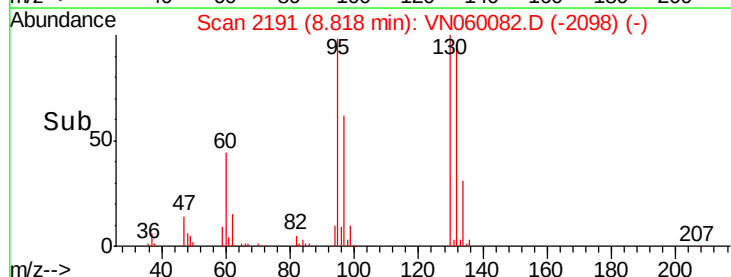
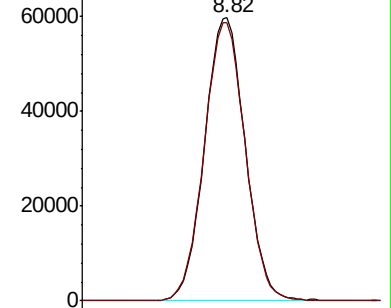
130 100

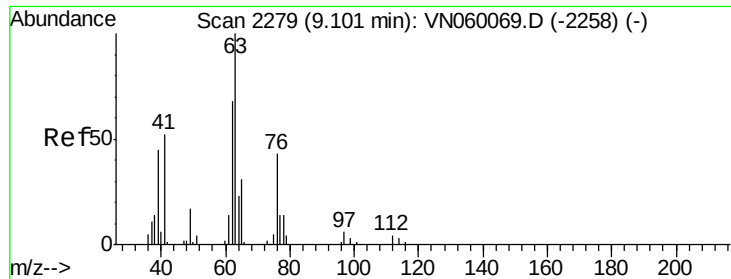
95 98.1 0.0 192.4



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

Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)

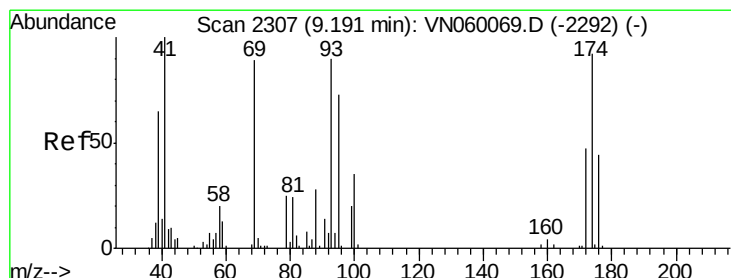
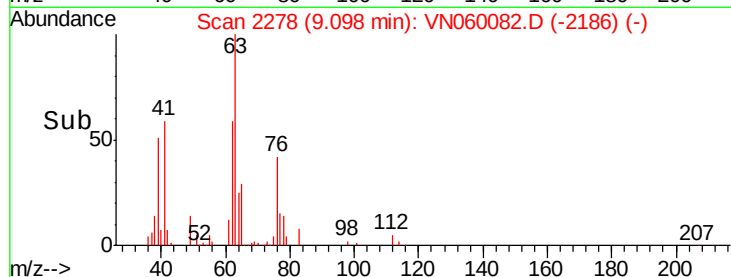
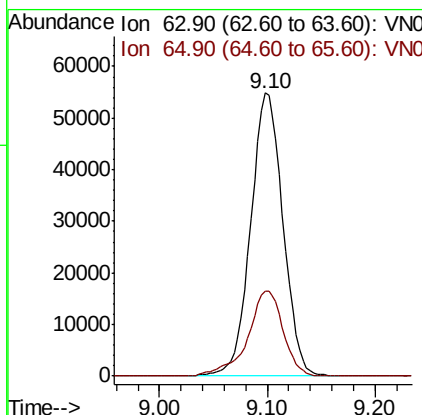
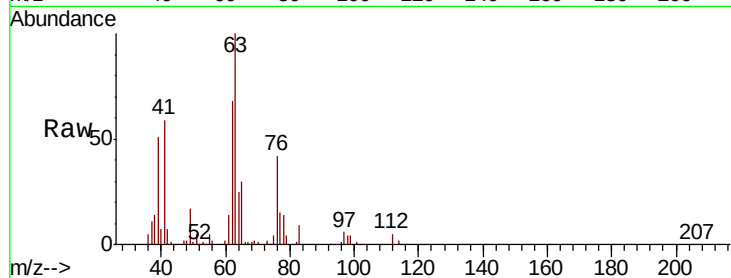




#45
 1,2-Dichloropropane
 Concen: 49.794 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

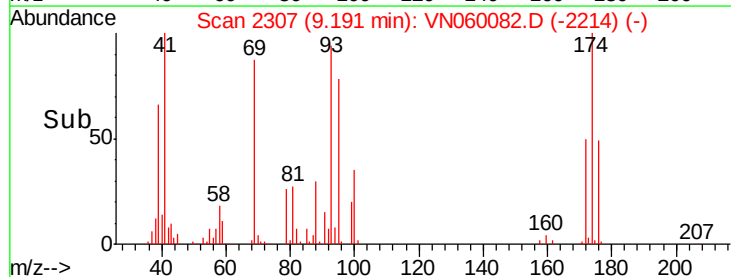
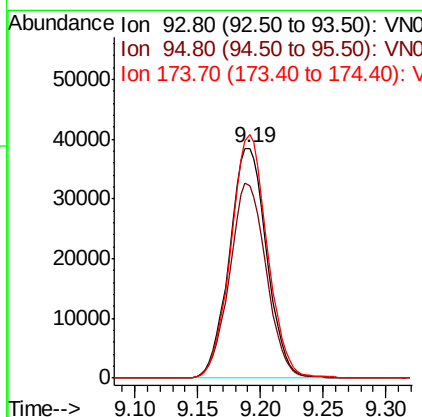
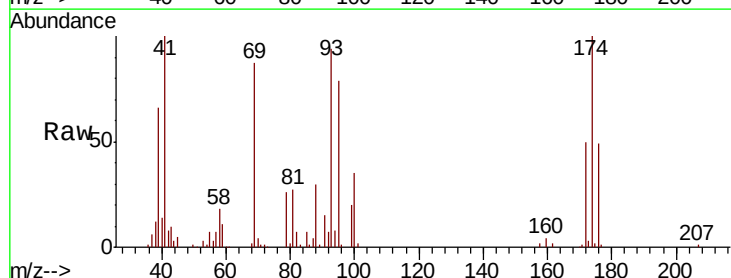
Instrument :
 MSVOA_N
 ClientSampleId :

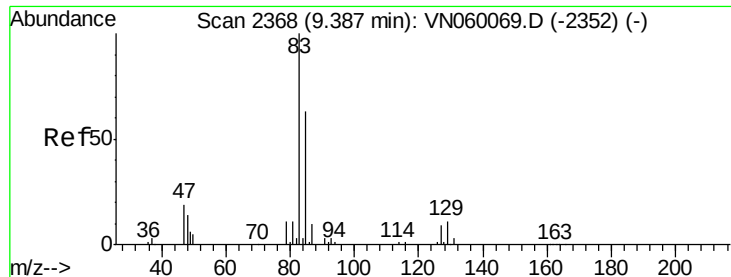
Tot Ion: 63 Resp: 114037
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4



#46
 Dibromomethane
 Concen: 49.059 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion: 93 Resp: 79397
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.0 97.6
 174 103.7 82.3 123.5

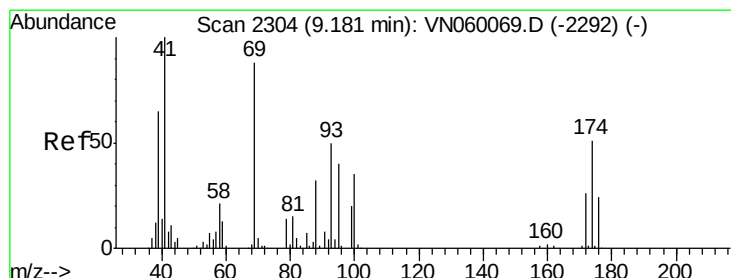
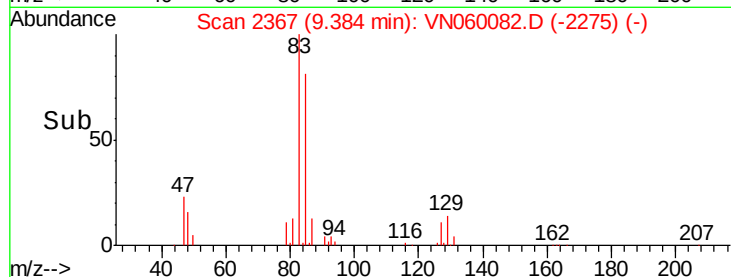
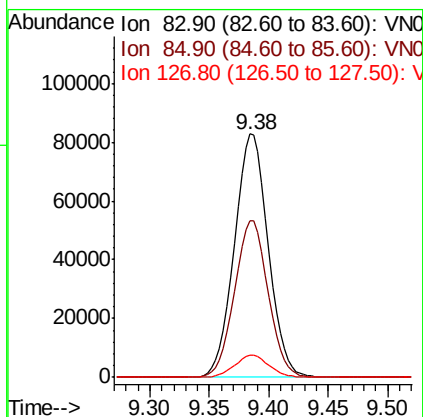
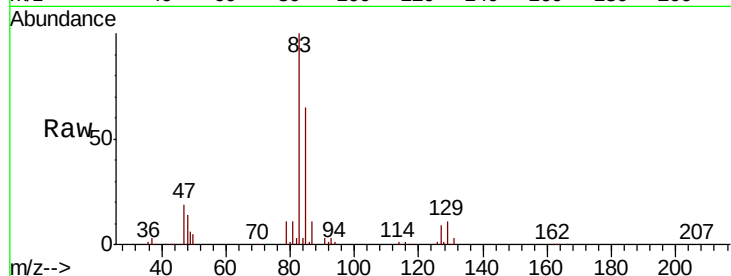




#47
Bromodichloromethane
Concen: 49.426 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

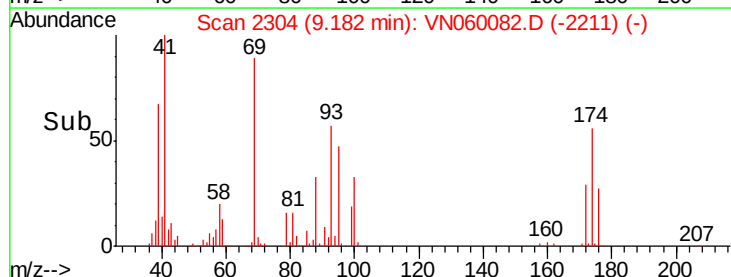
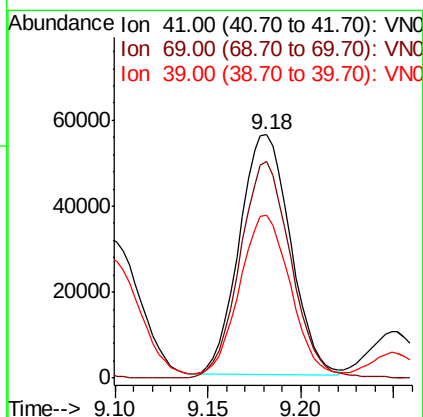
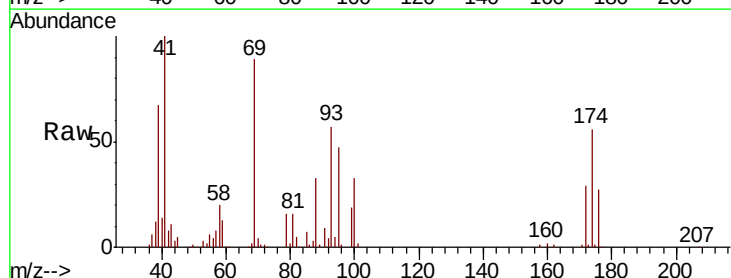
Instrument :
MSVOA_N
ClientSampled :

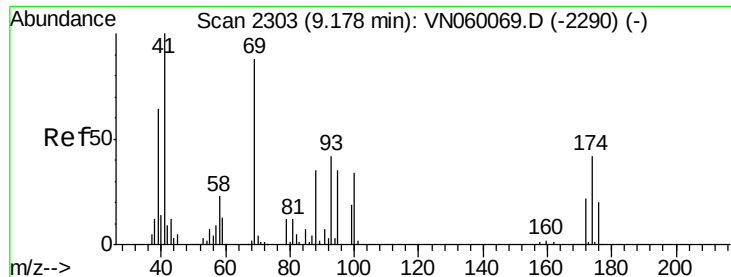
Tot Ion: 83 Resp: 162628
Ion Ratio Lower Upper
83 100
85 64.5 50.6 75.8
127 9.0 7.0 10.6



#48
Methyl methacrylate
Concen: 49.563 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 41 Resp: 107133
Ion Ratio Lower Upper
41 100
69 90.0 72.0 108.0
39 68.5 54.1 81.1

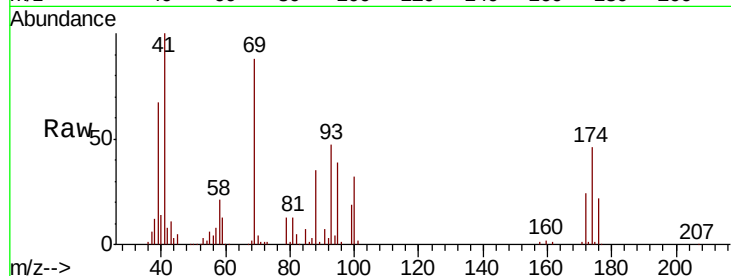




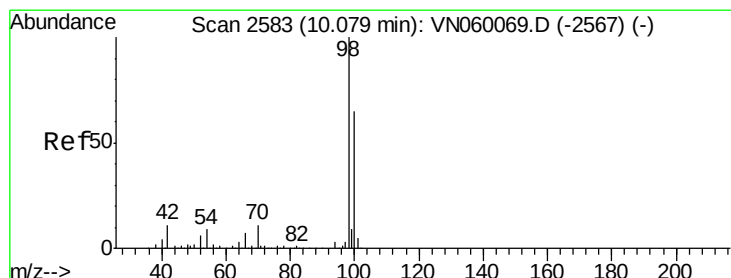
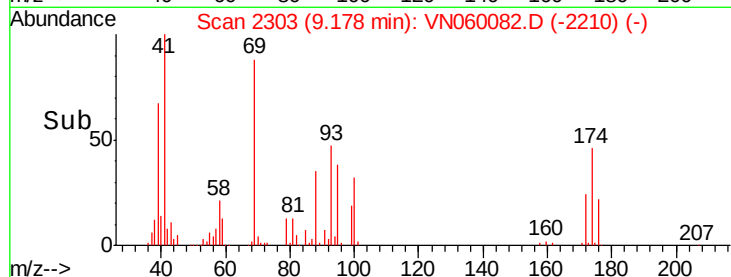
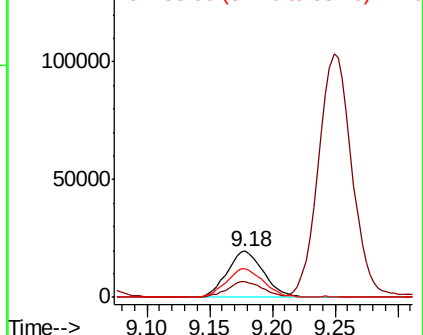
#49
1,4-Dioxane
Concen: 1081.931 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 39958
Ion Ratio Lower Upper
88 100
43 33.4 26.2 39.2
58 63.0 53.2 79.8

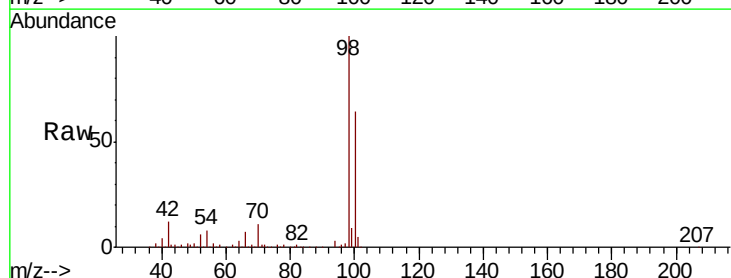


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

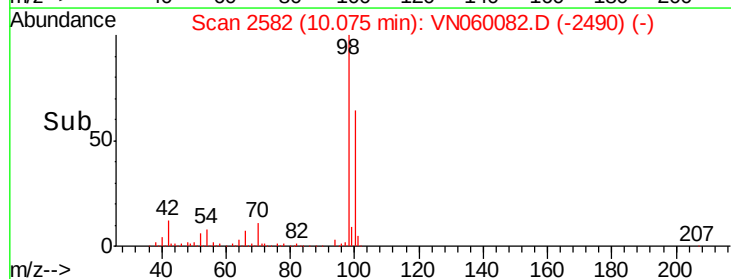
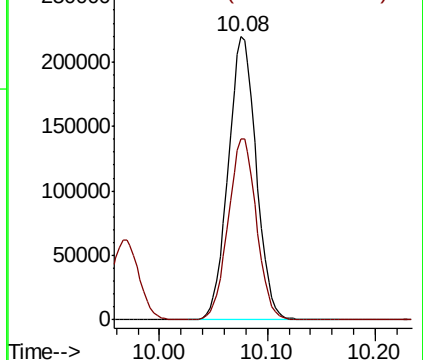


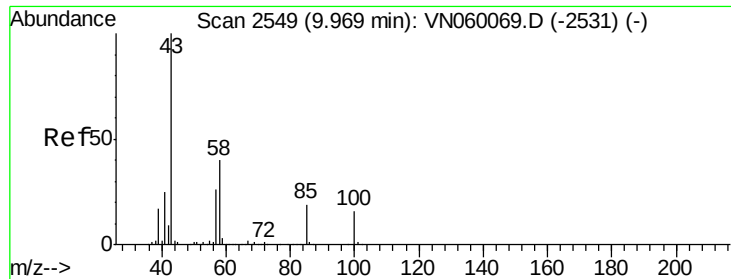
#50
Toluene-d8
Concen: 48.708 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 98 Resp: 396962
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



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

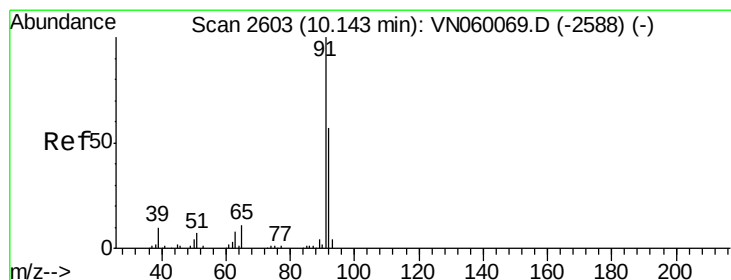
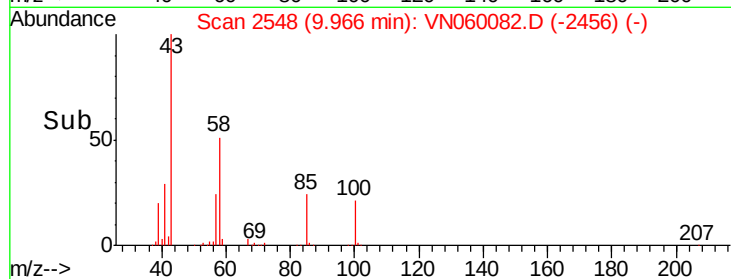
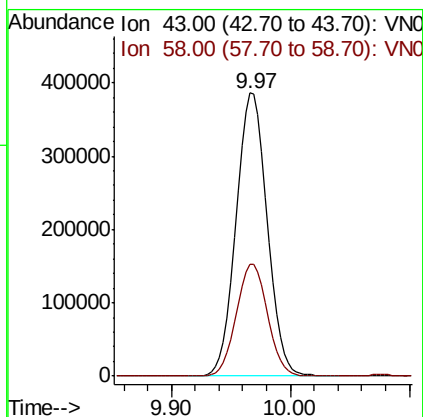
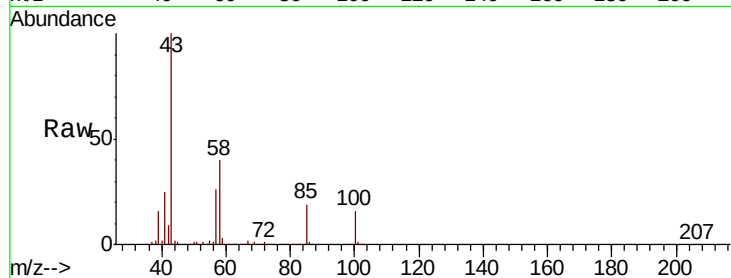




#51
4-Methyl-2-Pentanone
Concen: 251.303 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

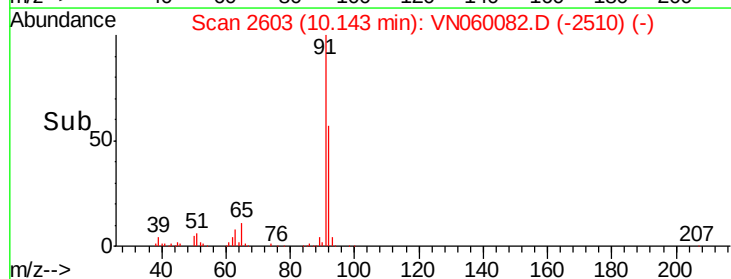
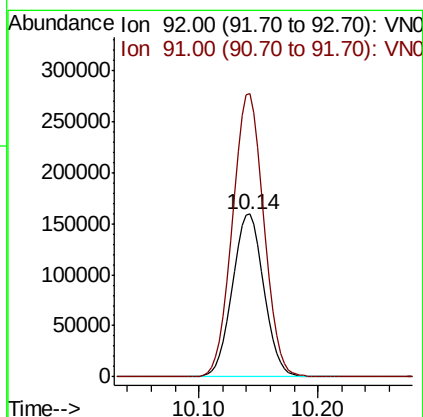
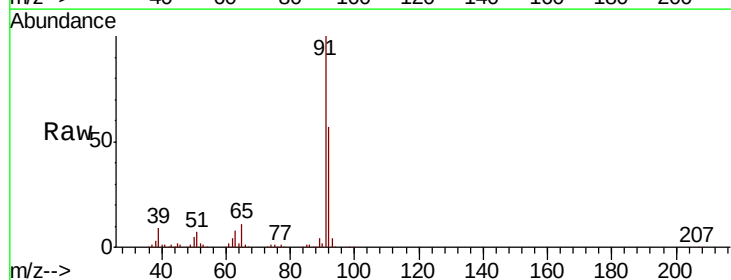
Instrument :
MSVOA_N
ClientSampled :

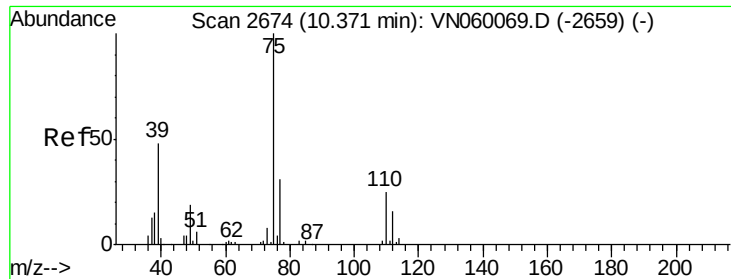
Tot Ion: 43 Resp: 700779
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.8



#52
Toluene
Concen: 49.178 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 92 Resp: 291722
Ion Ratio Lower Upper
92 100
91 173.7 140.9 211.3

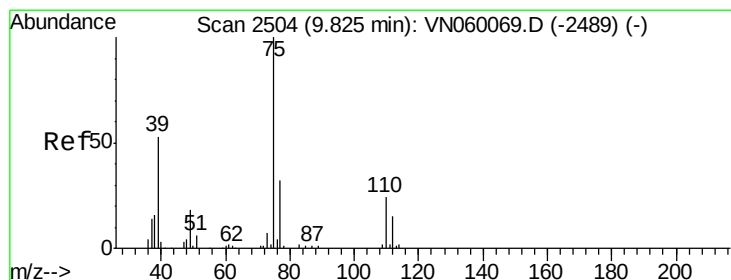
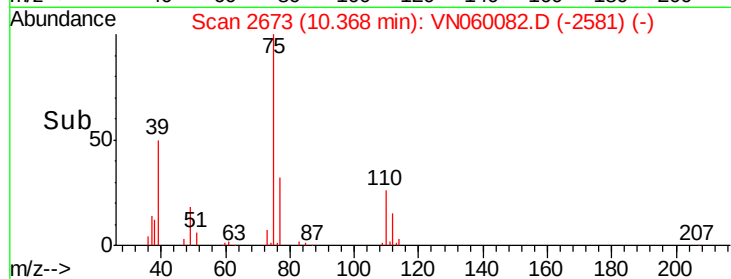
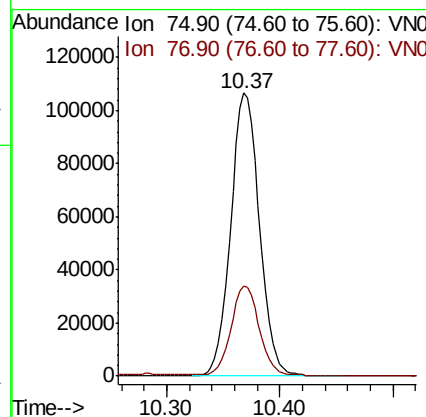
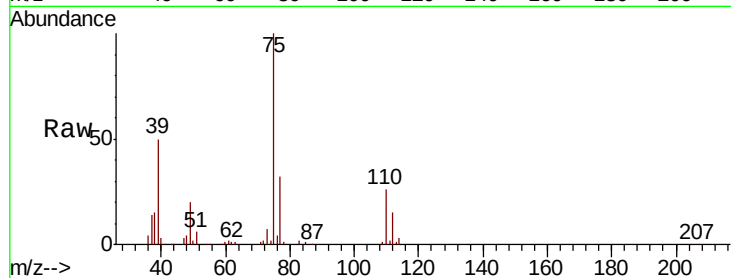




#53
t-1,3-Dichloropropene
Concen: 50.688 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

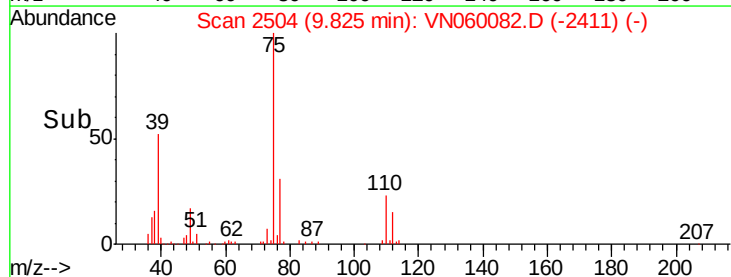
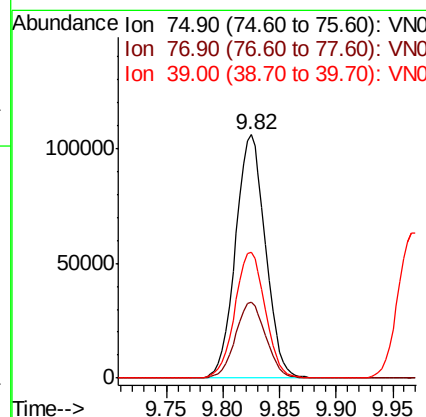
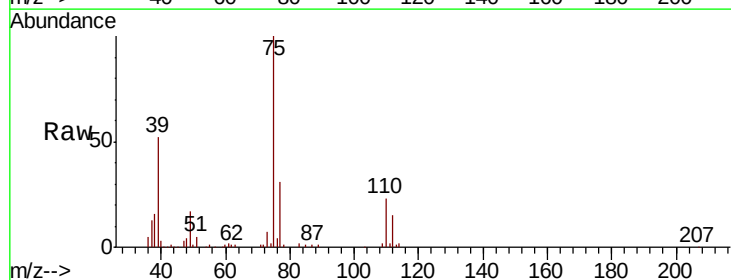
Instrument :
MSVOA_N
ClientSampled :

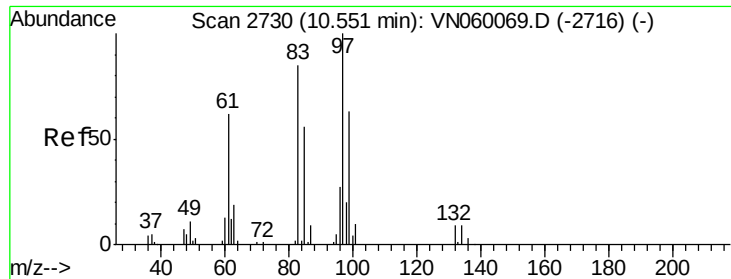
Tot Ion: 75 Resp: 188255
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 49.878 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 75 Resp: 195068
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4
39 51.9 42.2 63.4

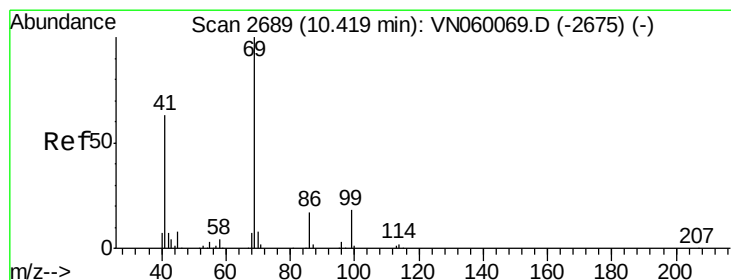
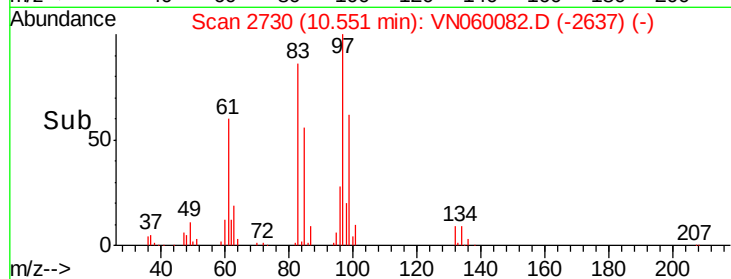
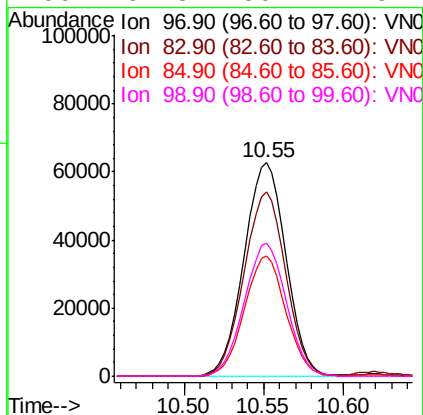
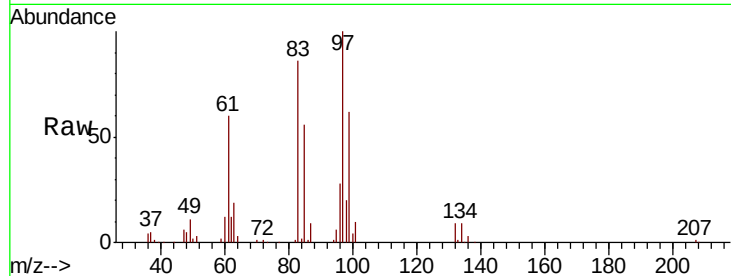




#55
 1,1,2-Trichloroethane
 Concen: 48.653 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

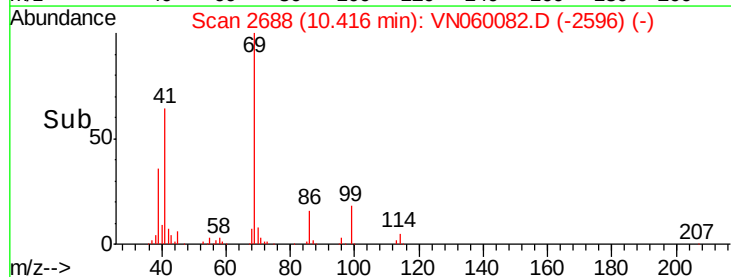
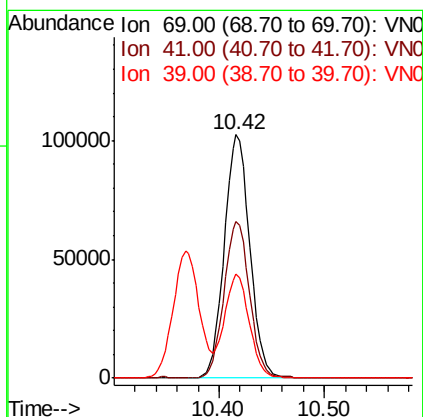
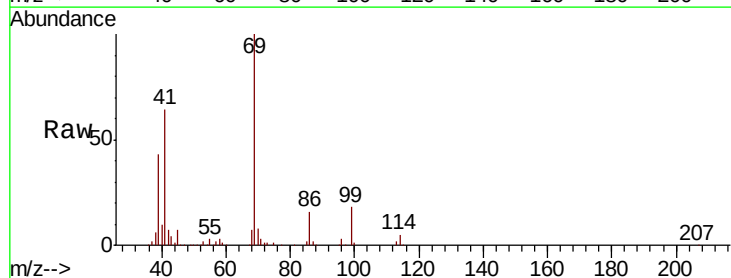
Instrument :
 MSVOA_N
 ClientSampled :

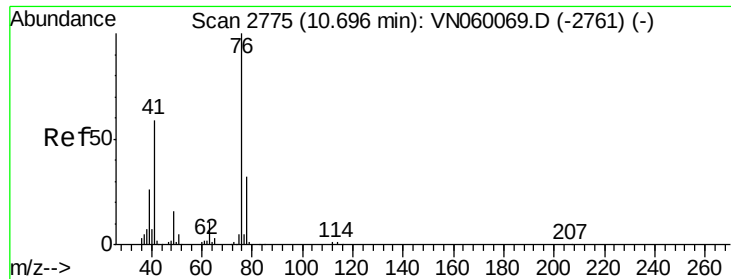
Tot Ion:	97	Resp:	112594
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.9	101.9
85	56.4	44.6	67.0
99	62.3	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 52.312 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion:	69	Resp:	171255
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.1	76.7
39	41.8	33.8	50.8





#57

1,3-Dichloropropane

Concen: 48.516 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

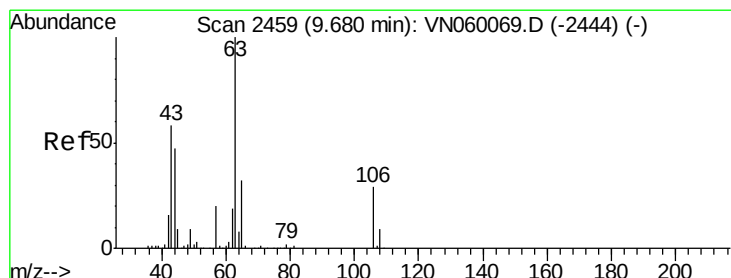
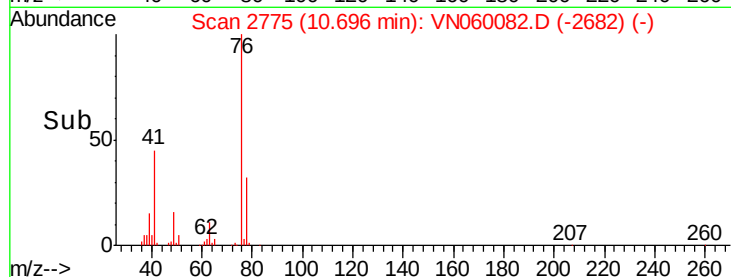
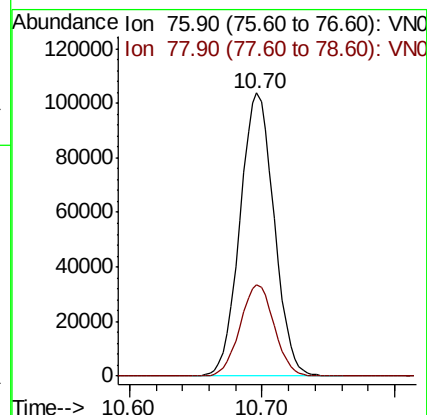
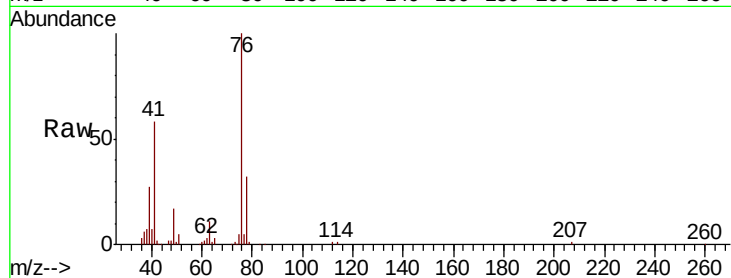
ClientSampled :

Tot Ion: 76 Resp: 185264

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 211.828 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060082.D

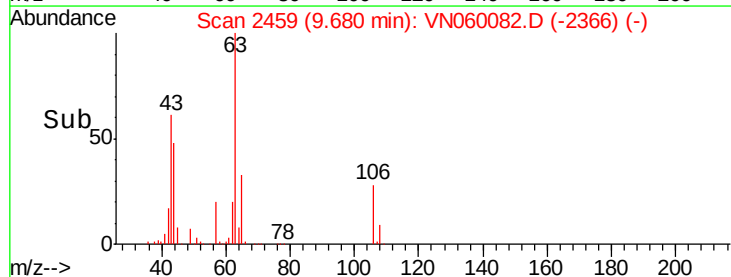
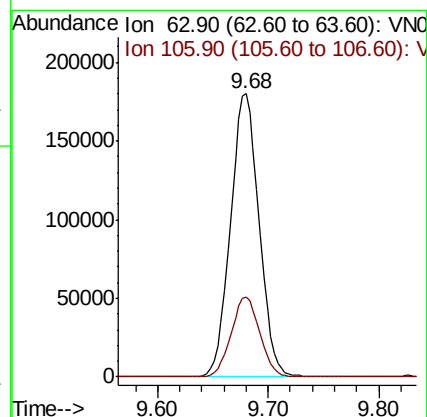
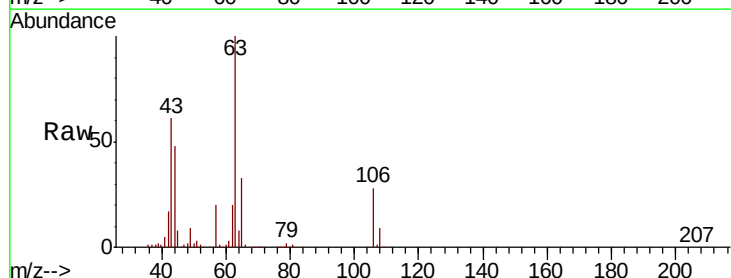
Acq: 13 Feb 2020 9:48

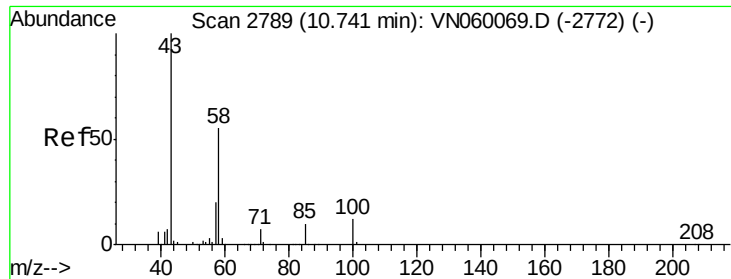
Tgt Ion: 63 Resp: 323067

Ion Ratio Lower Upper

63 100

106 28.4 22.9 34.3

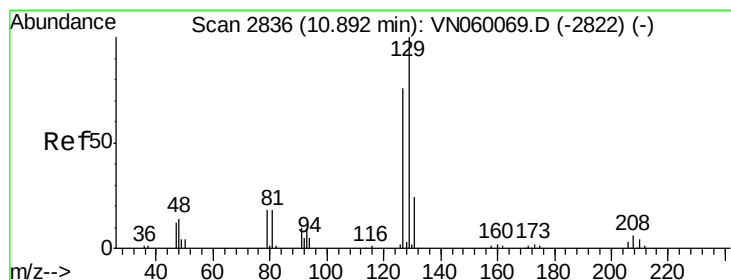
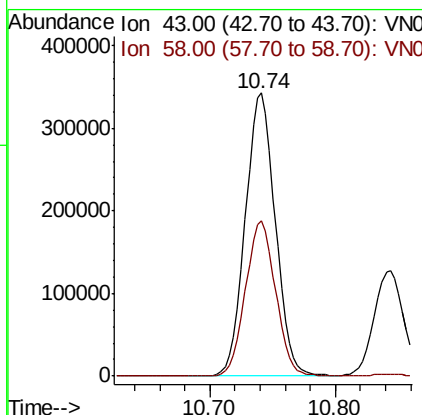
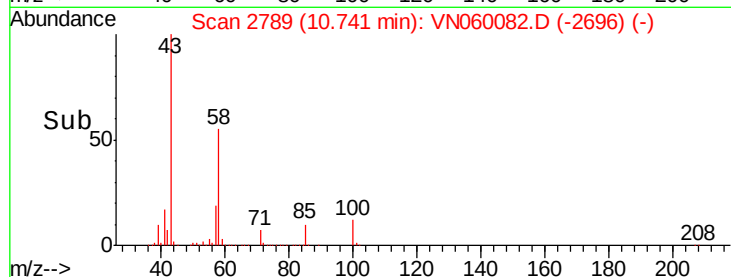
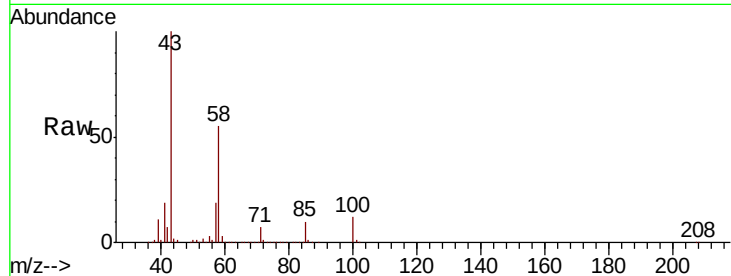




#59
2-Hexanone
Concen: 265.706 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

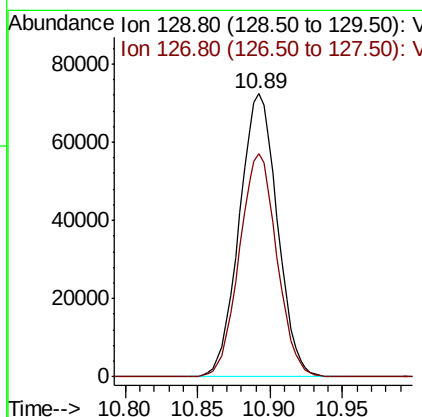
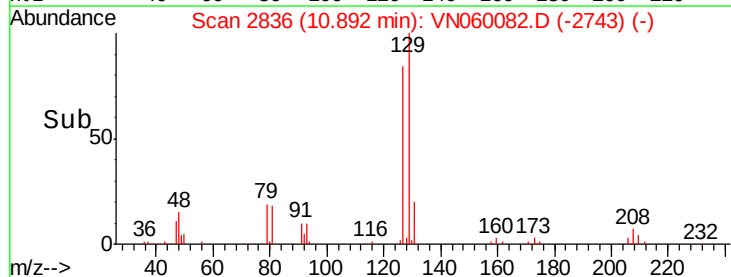
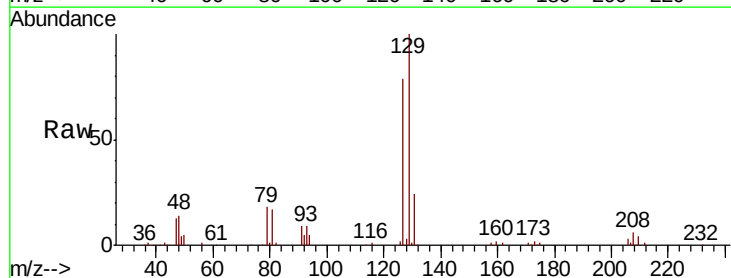
Instrument :
MSVOA_N
ClientSampleId :

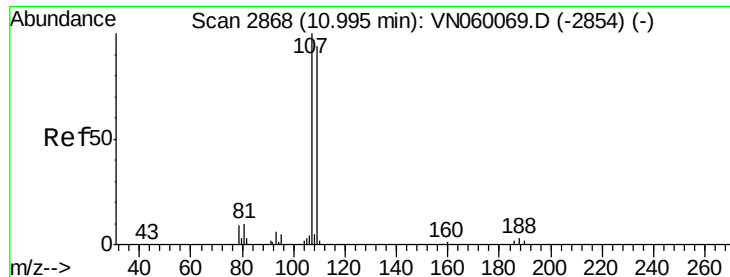
Tot Ion: 43 Resp: 572357
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4



#60
Dibromochloromethane
Concen: 49.708 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 129 Resp: 132007
Ion Ratio Lower Upper
129 100
127 77.6 38.0 114.1

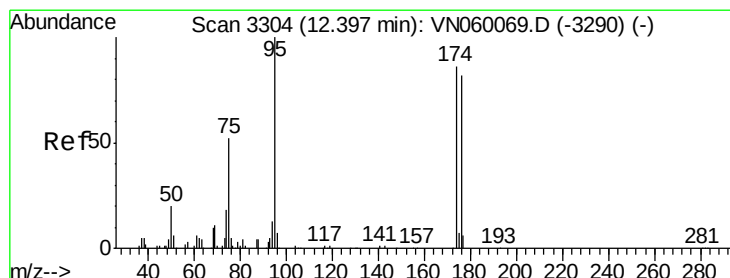
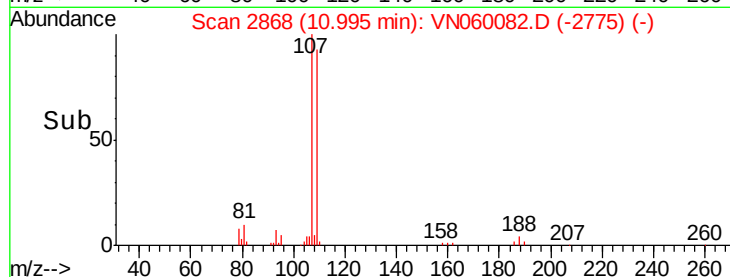
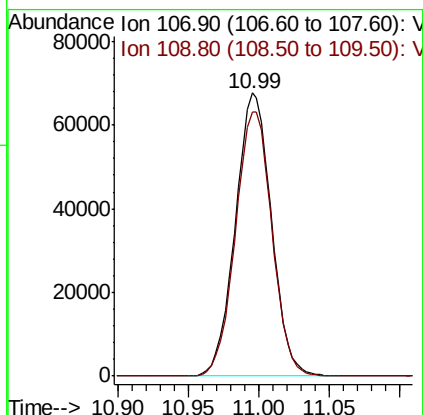
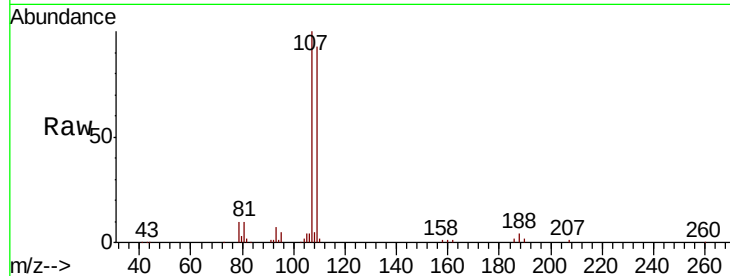




#61
 1,2-Dibromoethane
 Concen: 49.843 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

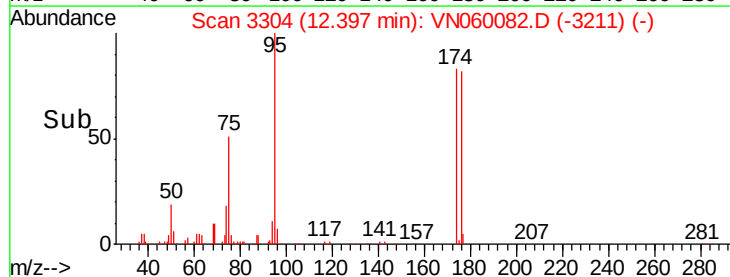
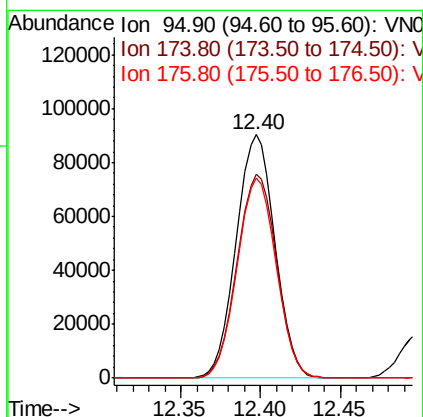
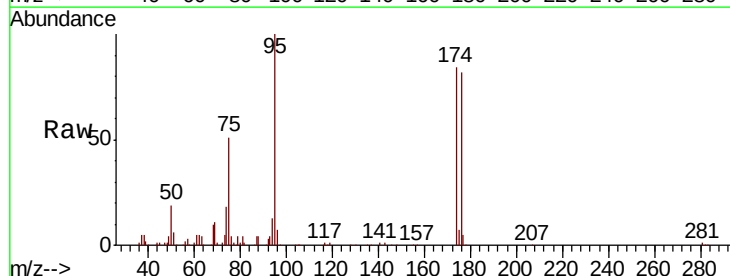
Instrument :
 MSVOA_N
 ClientSampleId :

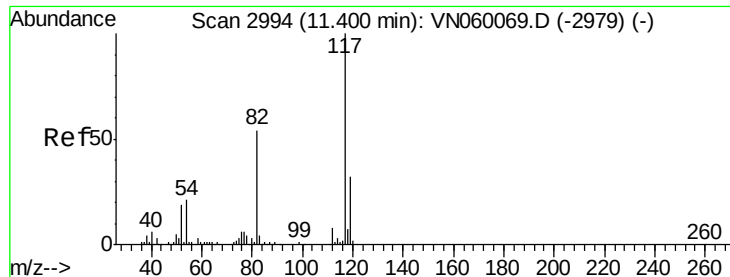
Tot Ion:107 Resp: 120917
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.783 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion: 95 Resp: 149082
 Ion Ratio Lower Upper
 95 100
 174 85.8 0.0 169.8
 176 83.0 0.0 164.8

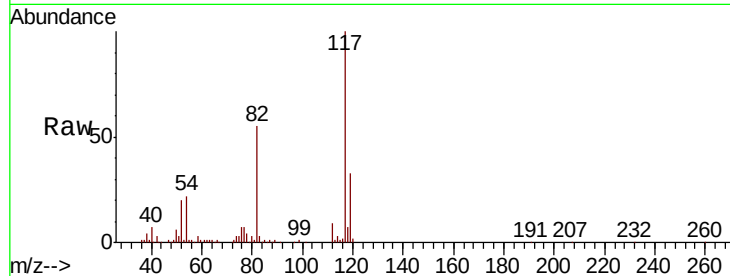




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.4	65.0
119	32.8	25.8	38.6

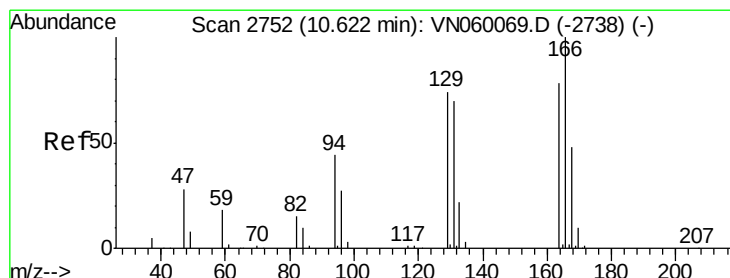
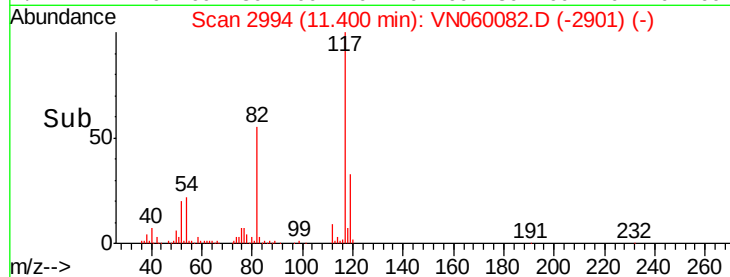
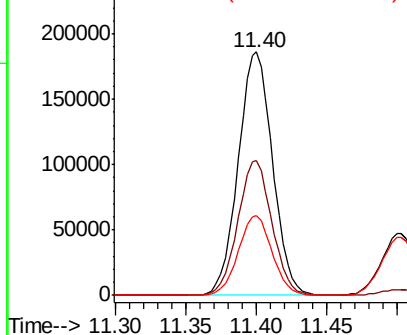


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 46.147 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	93.7	75.4	113.0
131	90.8	71.4	107.2

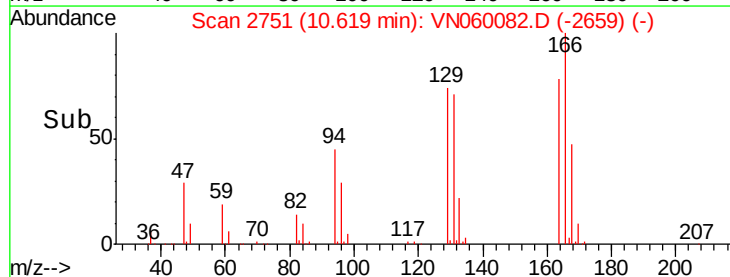
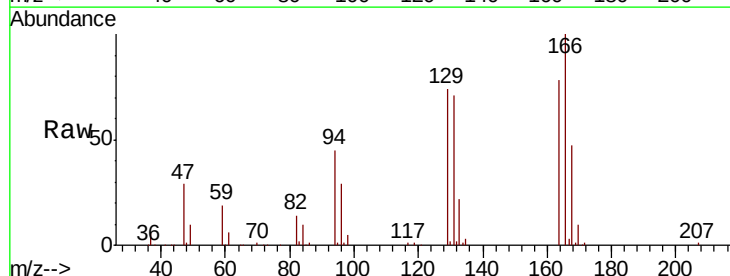
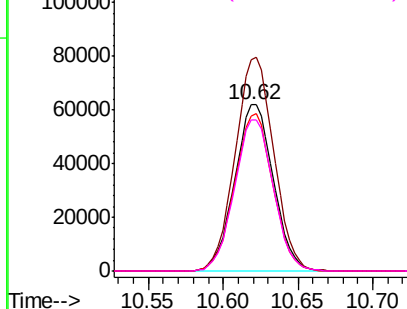
Abundance

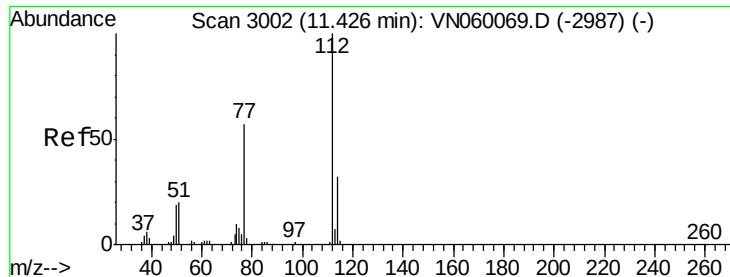
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

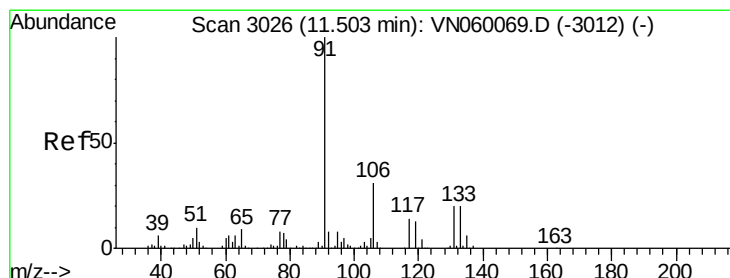
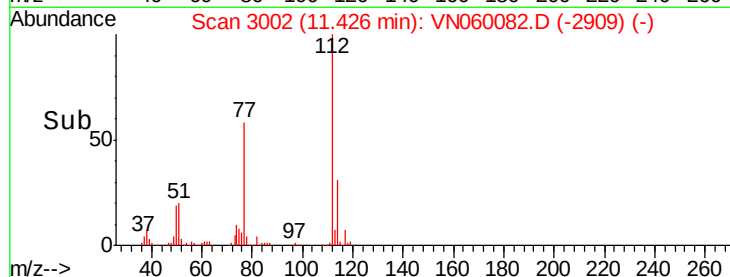
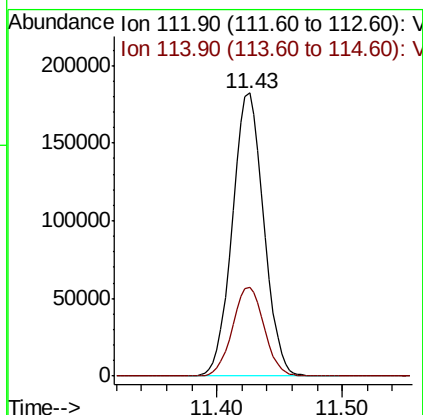
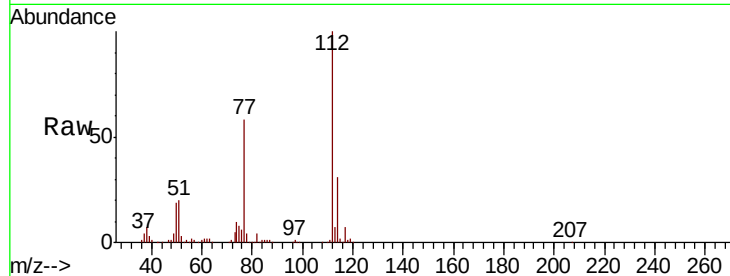




#65
Chlorobenzene
Concen: 48.893 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

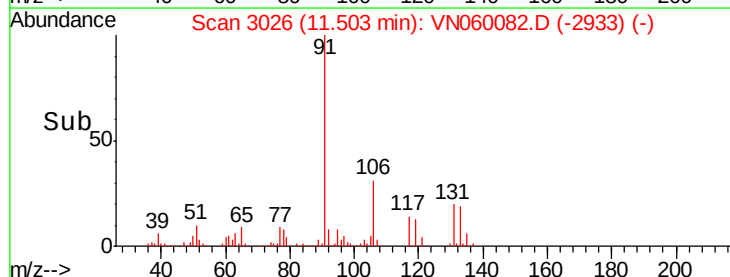
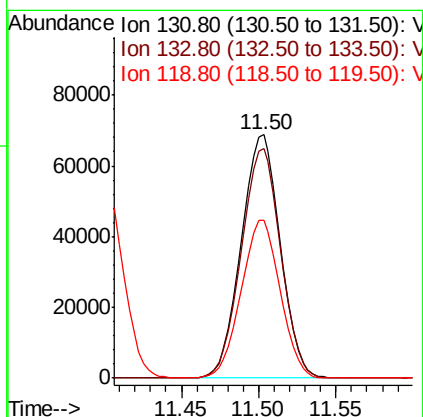
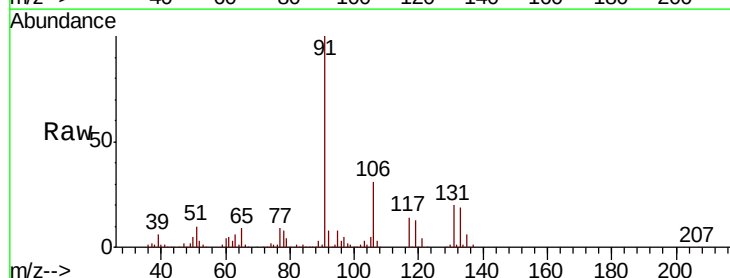
Instrument :
MSVOA_N
ClientSampled :

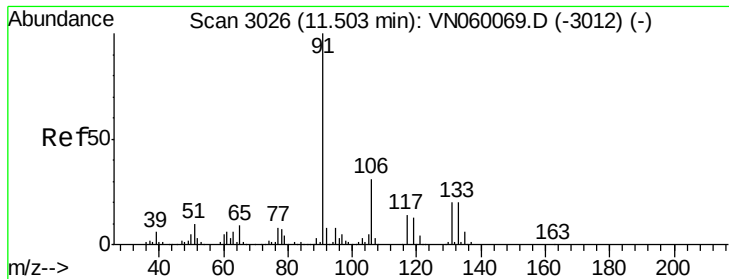
Tot Ion:112 Resp: 316370
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.376 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion:131 Resp: 120865
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.7
119 64.8 32.6 97.7

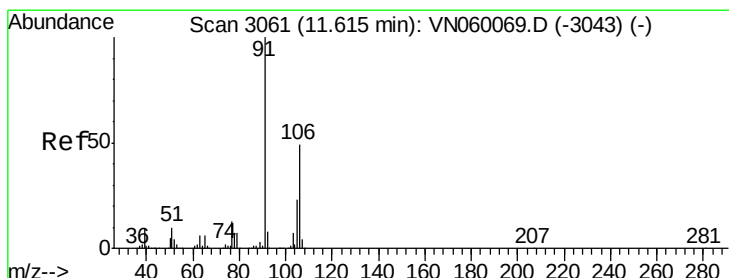
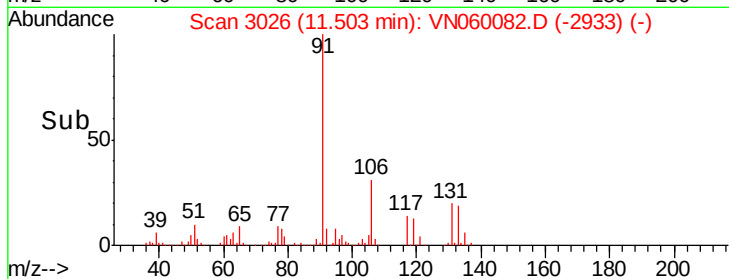
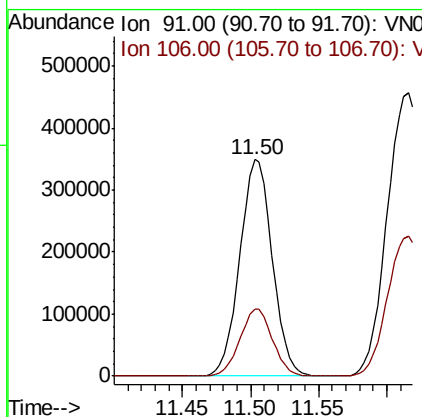
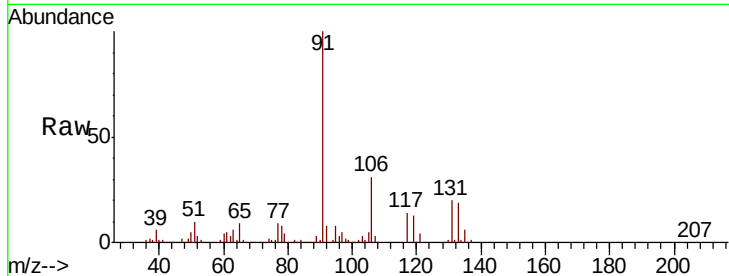




#67
Ethyl Benzene
Concen: 49.426 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

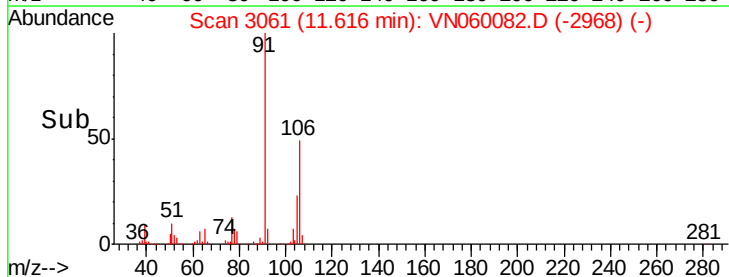
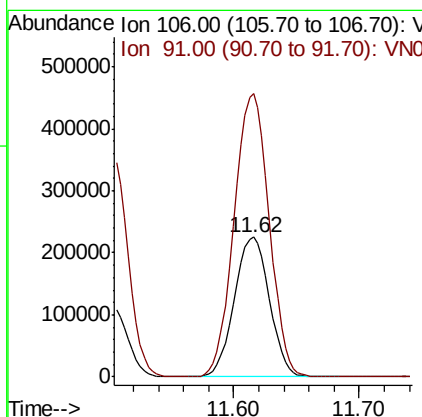
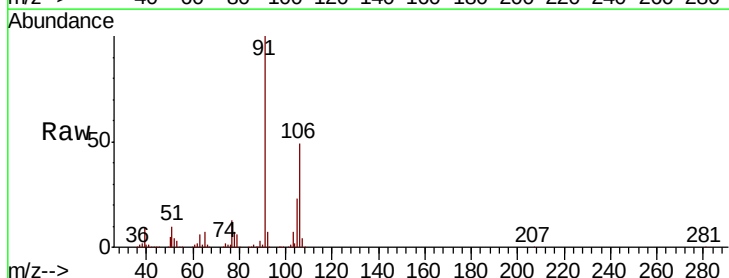
Instrument :
MSVOA_N
ClientSampled :

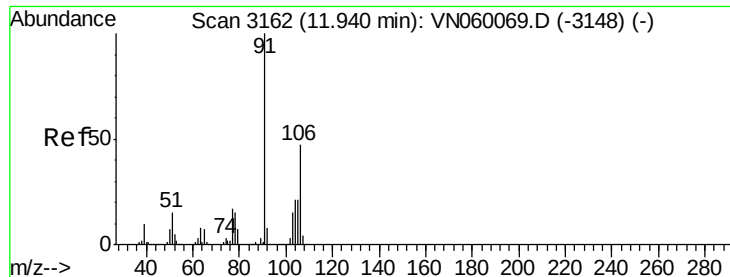
Tot Ion: 91 Resp: 576812
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7



#68
m/p-Xylenes
Concen: 100.152 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 106 Resp: 438671
Ion Ratio Lower Upper
106 100
91 202.0 162.7 244.1

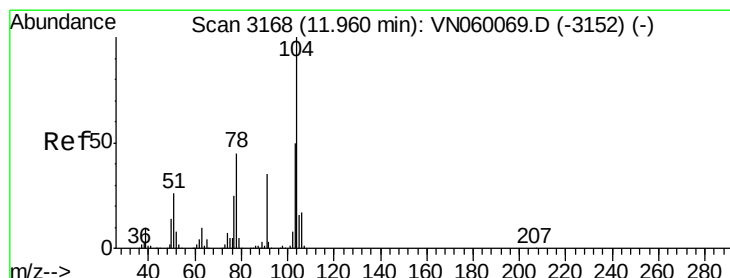
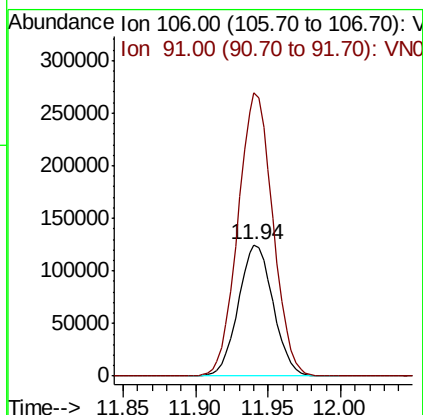
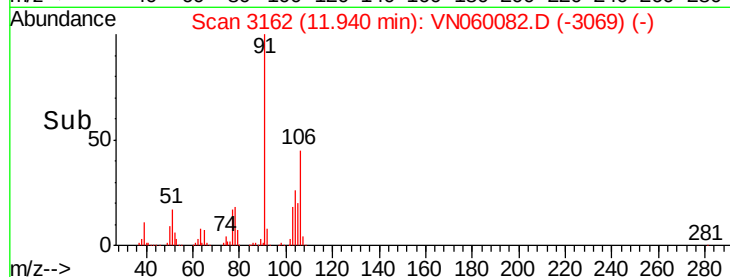
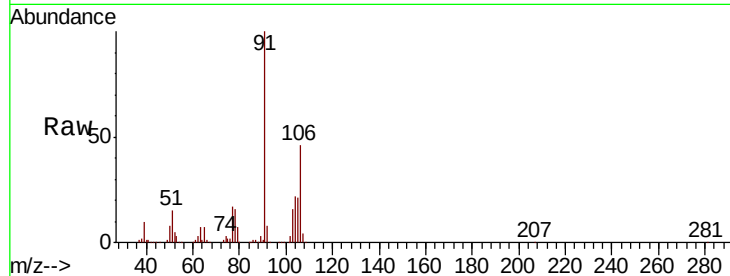




#69
o-Xylene
Concen: 49.259 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

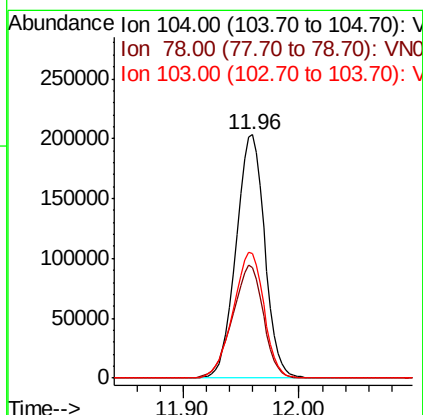
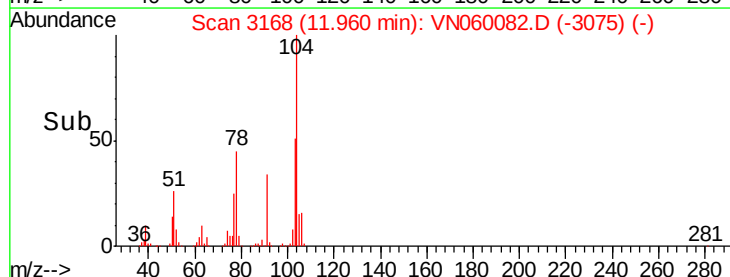
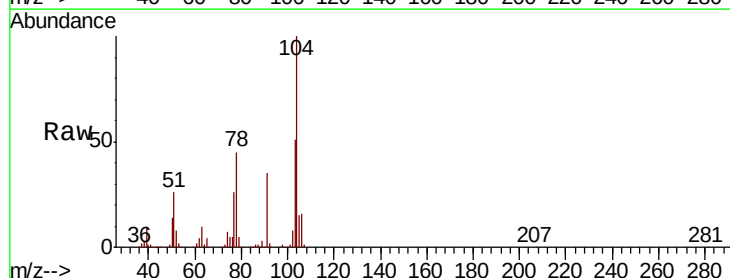
Instrument :
MSVOA_N
ClientSampled :

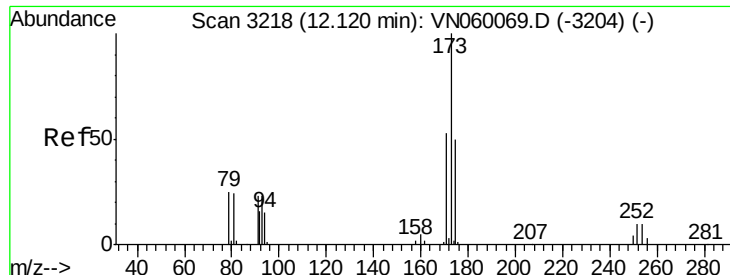
Tot Ion:106 Resp: 207741
Ion Ratio Lower Upper
106 100
91 216.5 107.2 321.6



#70
Styrene
Concen: 51.194 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion:104 Resp: 348155
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.2
103 55.7 44.3 66.5





#71

Bromoform

Concen: 51.188 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

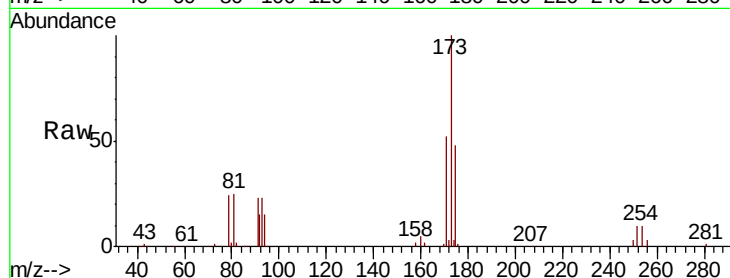
Tot Ion:173 Resp: 100780

Ion Ratio Lower Upper

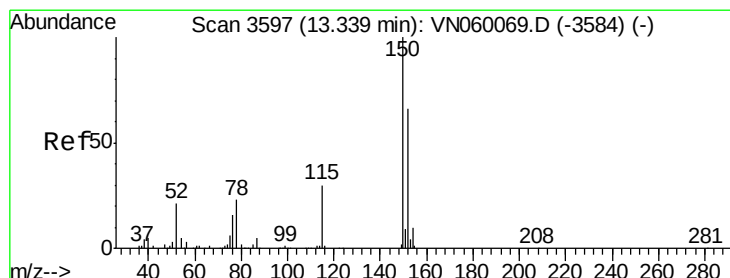
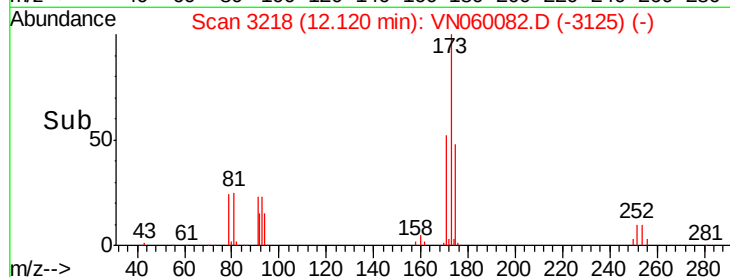
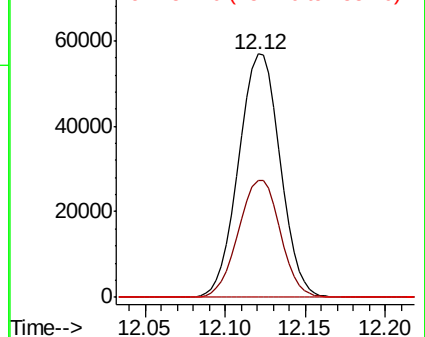
173 100

175 48.5 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: VN060082.D

Acq: 13 Feb 2020 9:48

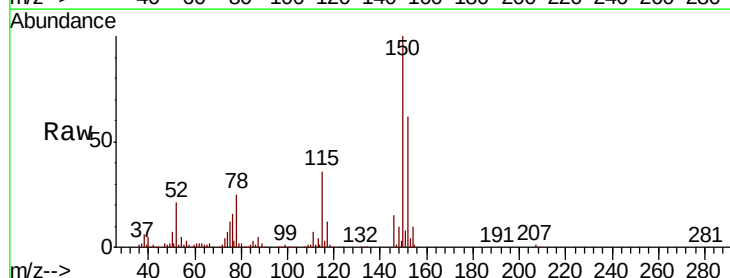
Tgt Ion:152 Resp: 164224

Ion Ratio Lower Upper

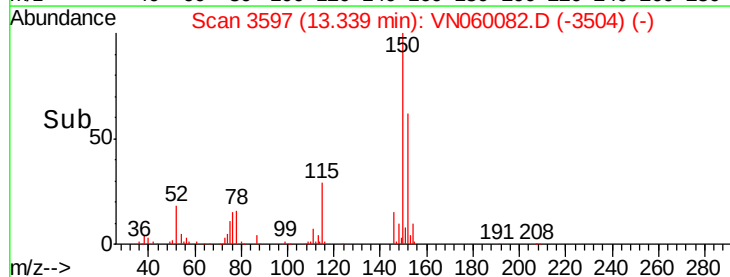
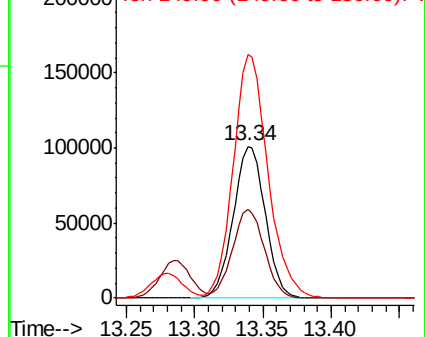
152 100

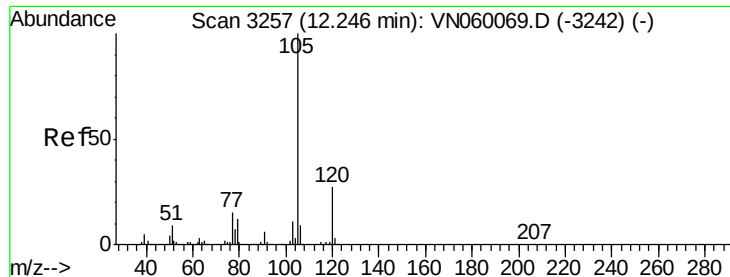
115 58.6 28.9 86.8

150 174.4 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: 47.038 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

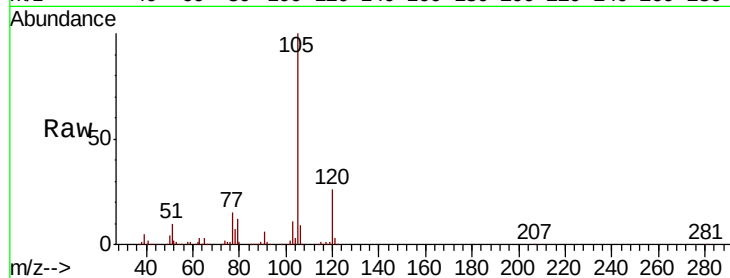
ClientSampleId :

Tot Ion:105 Resp: 576849

Ion Ratio Lower Upper

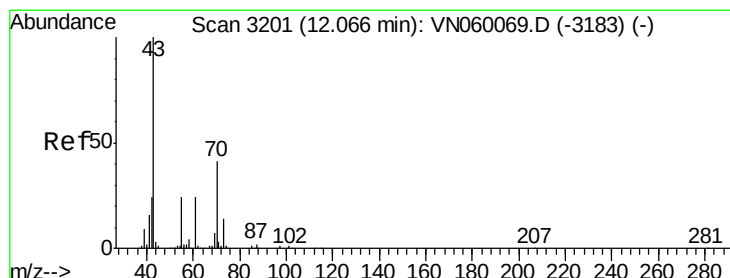
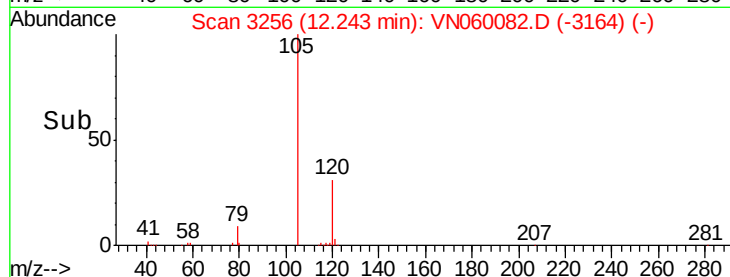
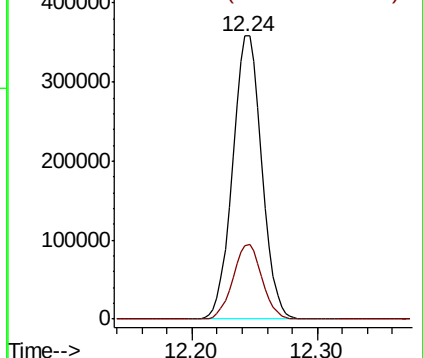
105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.393 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion: 43 Resp: 222844

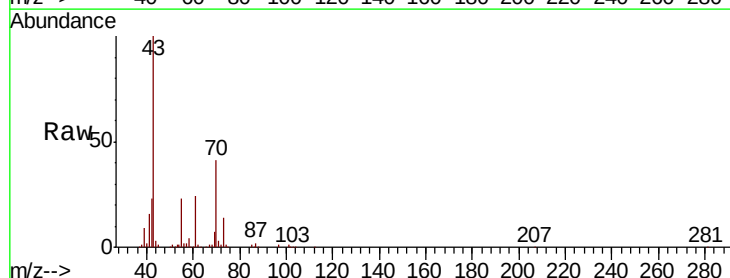
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.0

55 23.0 18.8 28.2

61 23.9 19.2 28.8

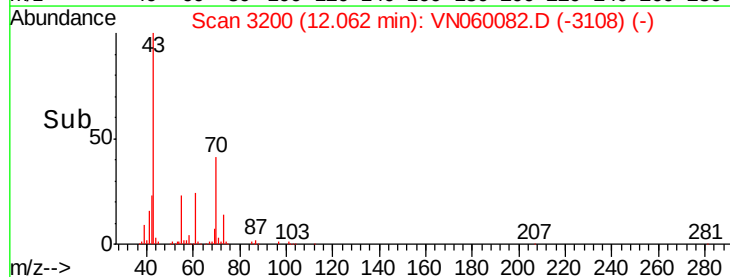
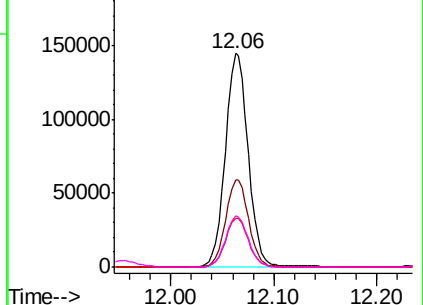


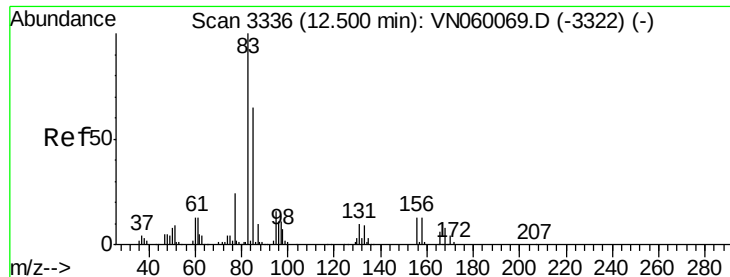
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.738 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

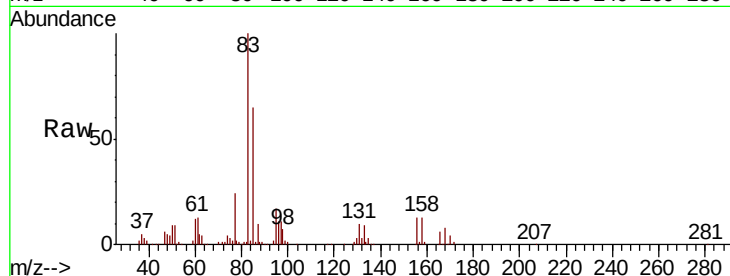
Tot Ion: 83 Resp: 168507

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

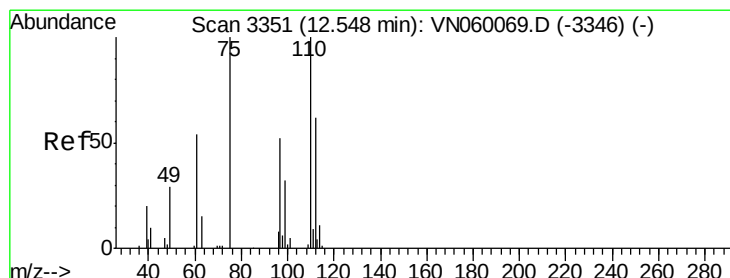
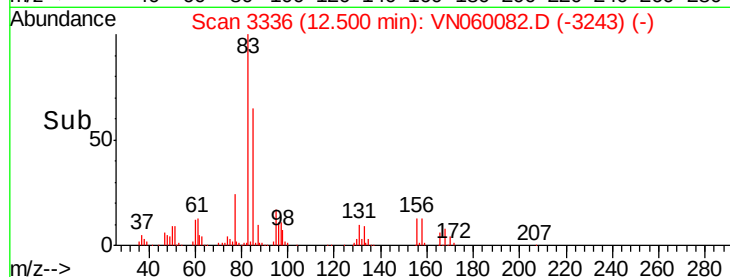
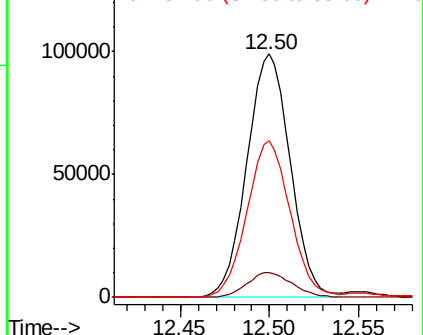
85 64.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060082.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060082.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060082.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 71.228 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060082.D

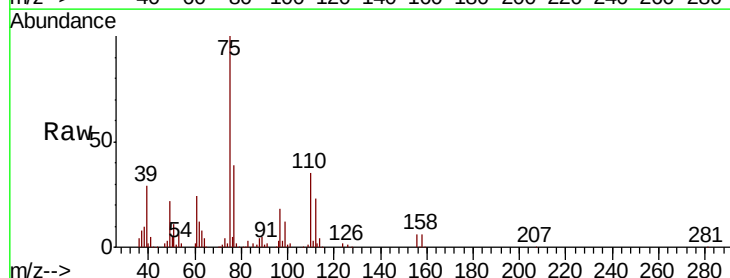
Acq: 13 Feb 2020 9:48

Tgt Ion: 75 Resp: 223796

Ion Ratio Lower Upper

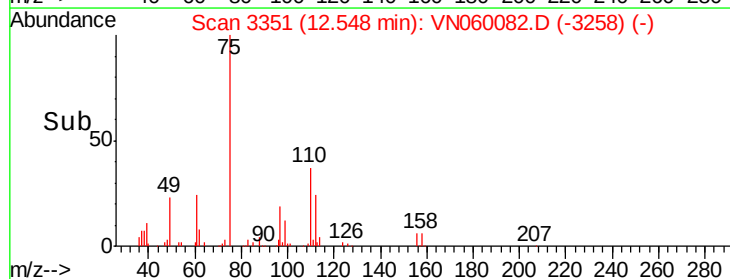
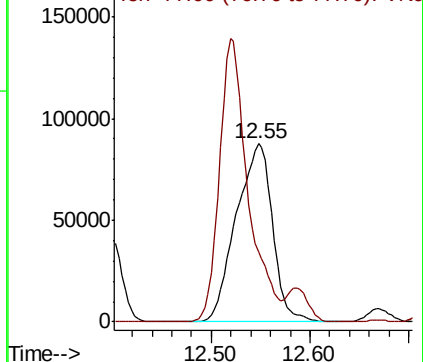
75 100

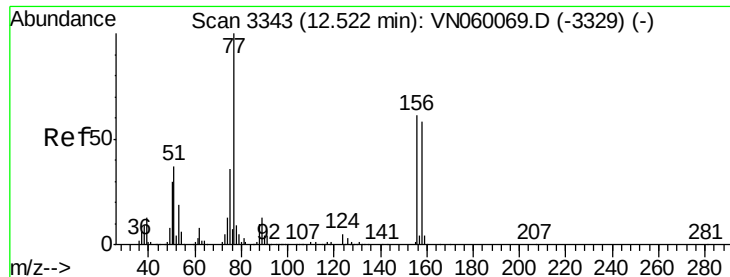
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060082.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060082.D (-3258) (-)





#77

Bromobenzene

Concen: 47.240 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampled :

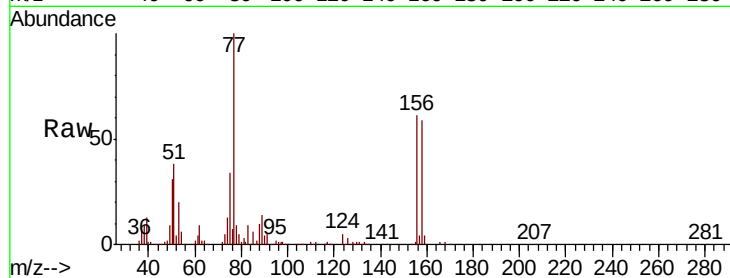
Tot Ion:156 Resp: 143769

Ion Ratio Lower Upper

156 100

77 197.3 98.7 296.1

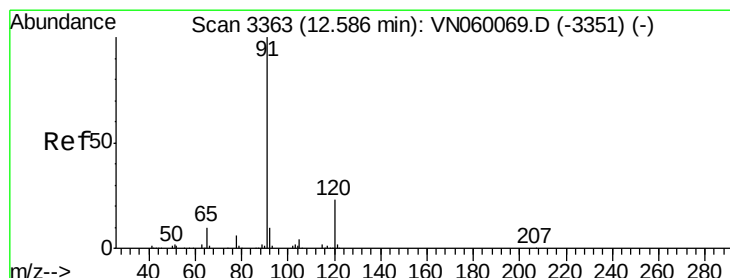
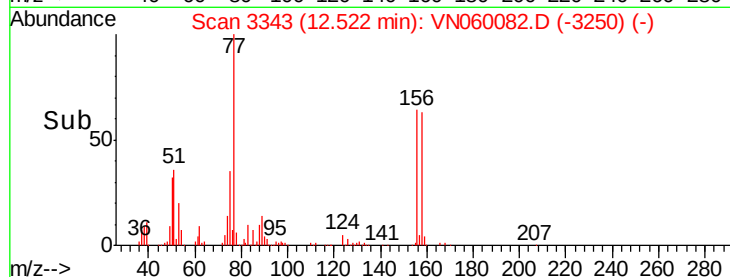
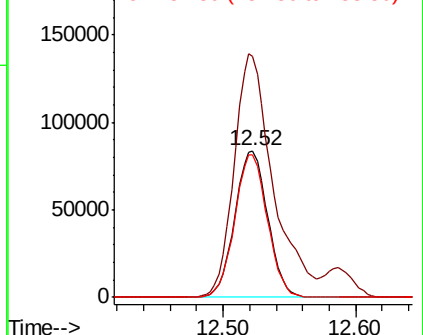
158 96.7 48.1 144.4



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: 47.682 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060082.D

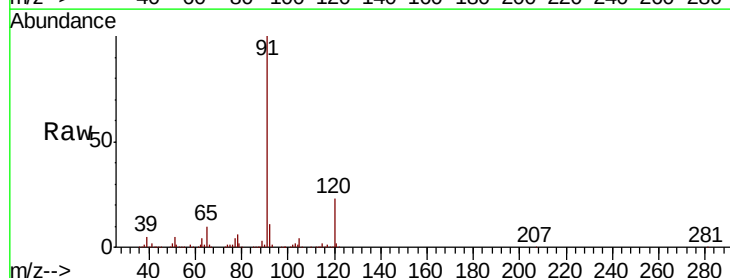
Acq: 13 Feb 2020 9:48

Tgt Ion: 91 Resp: 666221

Ion Ratio Lower Upper

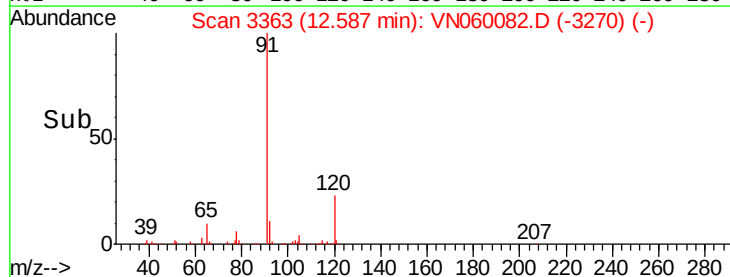
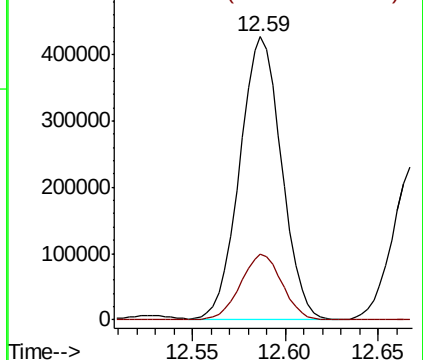
91 100

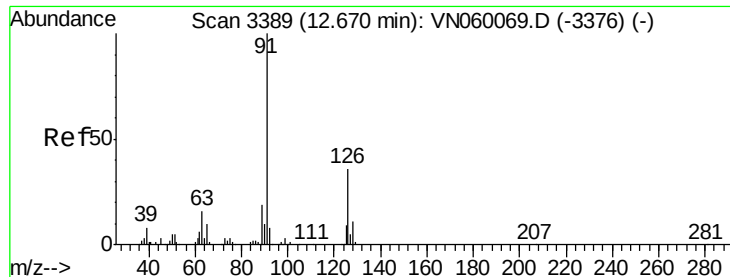
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

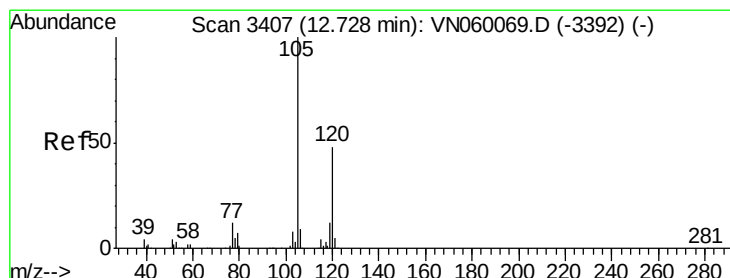
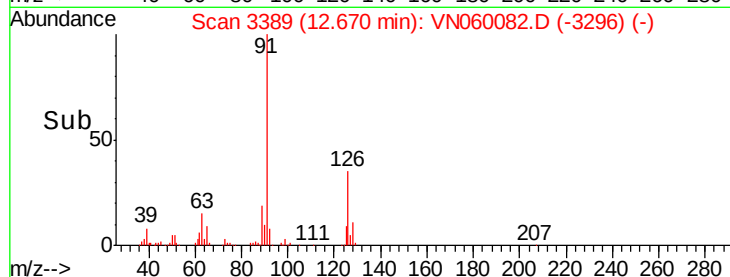
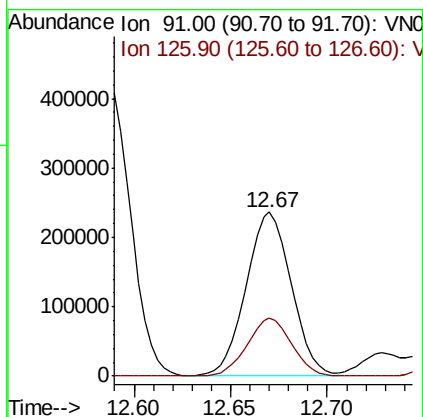
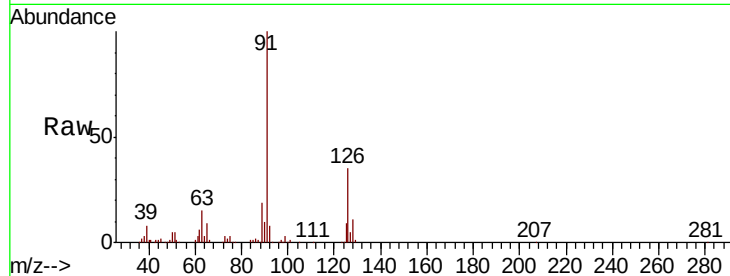




#79
 2-Chlorotoluene
 Concen: 46.818 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

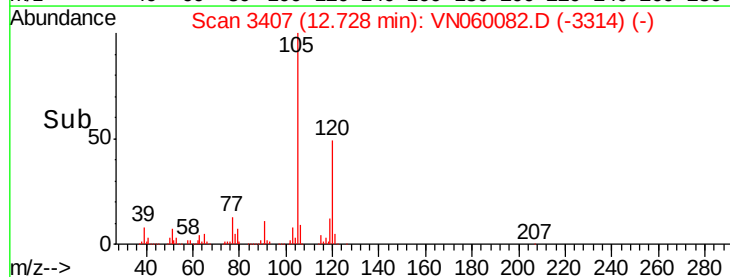
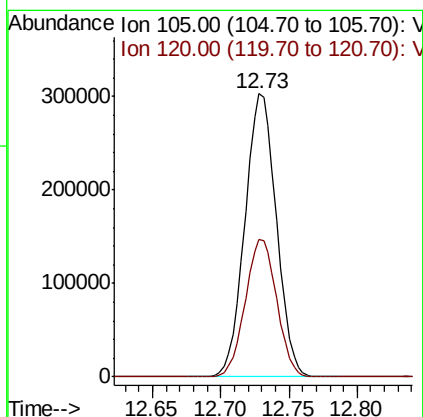
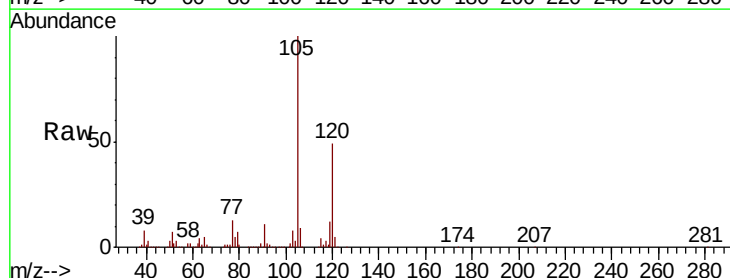
Instrument :
 MSVOA_N
 ClientSampled :

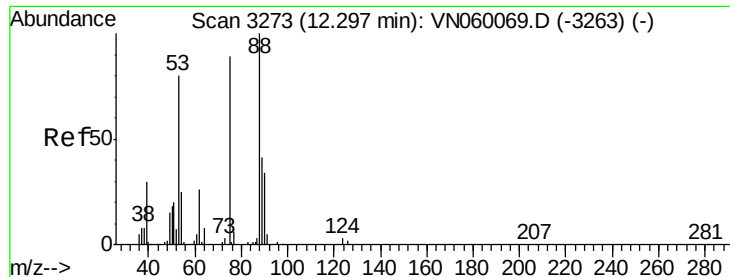
Tot Ion: 91 Resp: 384484
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 47.419 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion: 105 Resp: 483503
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.9

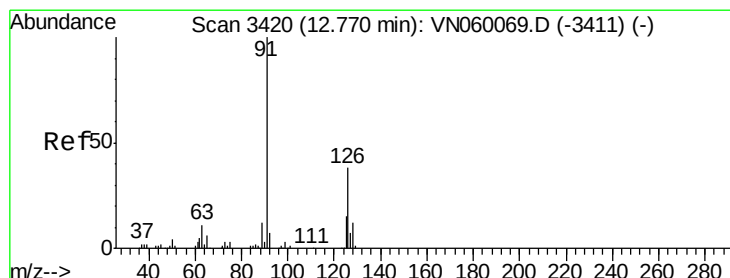
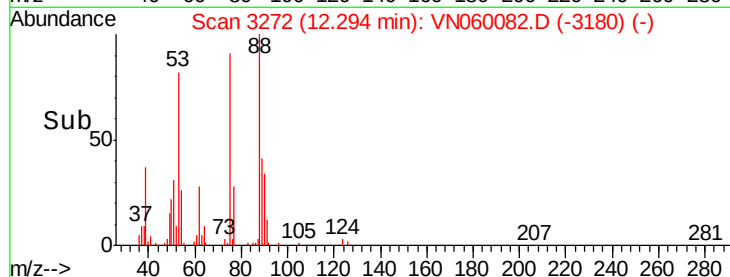
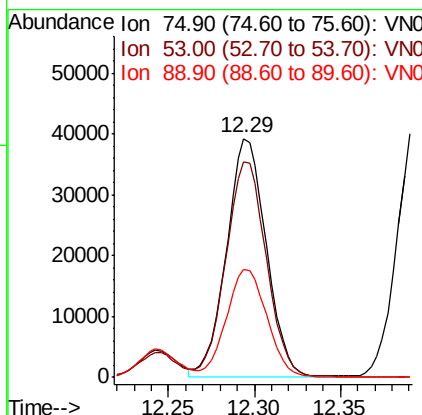
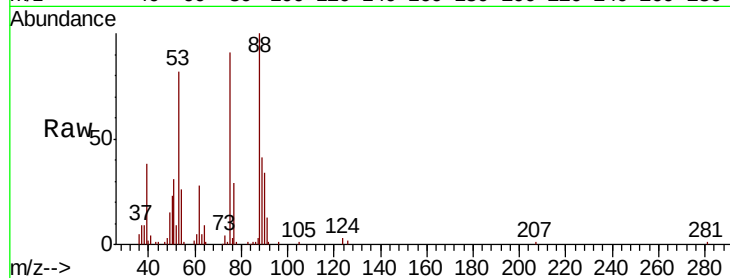




#81
trans-1,4-Dichloro-2-butene
Concen: 49.659 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

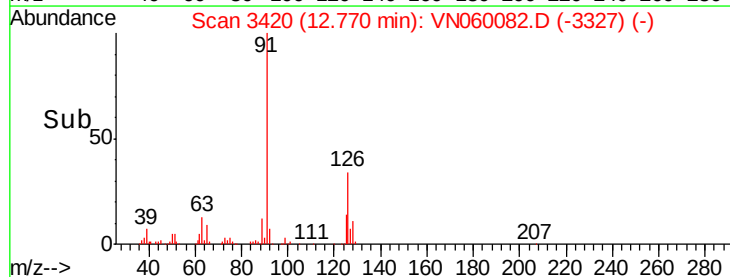
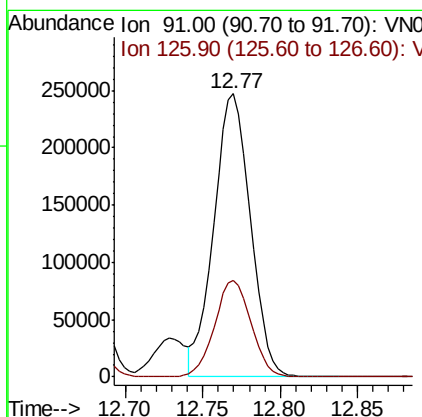
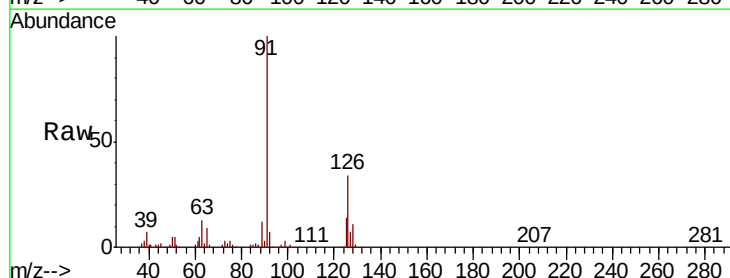
Instrument :
MSVOA_N
ClientSampled :

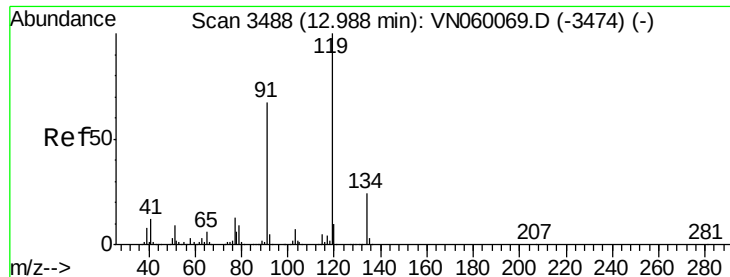
Tot Ion: 75 Resp: 63723
Ion Ratio Lower Upper
75 100
53 92.1 73.9 110.9
89 46.2 37.0 55.4



#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 91 Resp: 405247
Ion Ratio Lower Upper
91 100
126 34.1 17.1 51.3

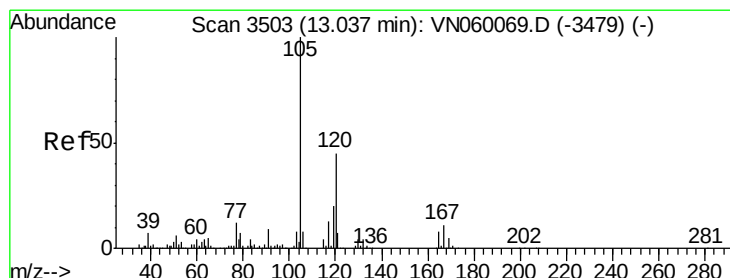
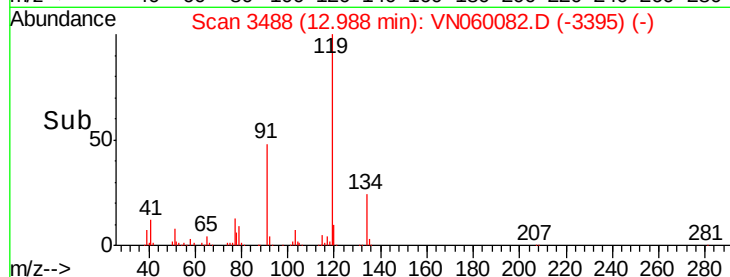
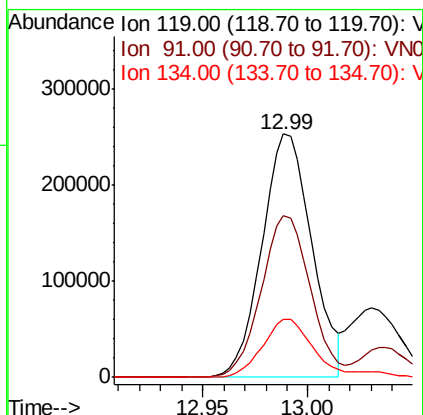
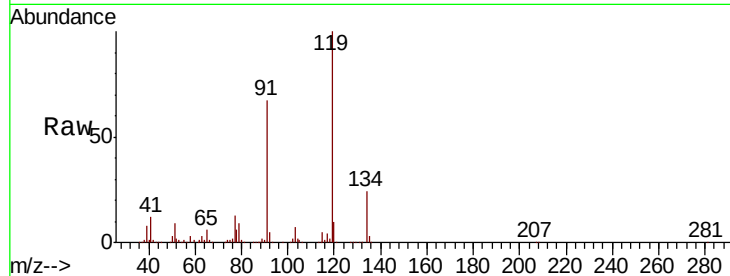




#83
 tert-Butylbenzene
 Concen: 46.235 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

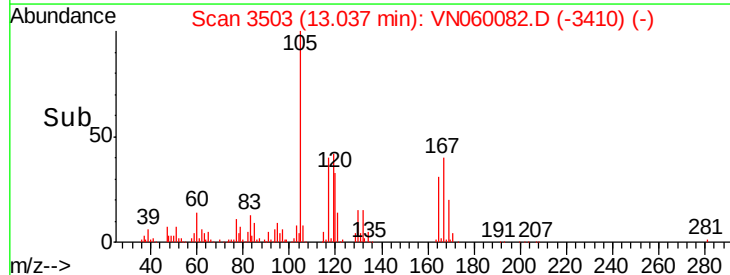
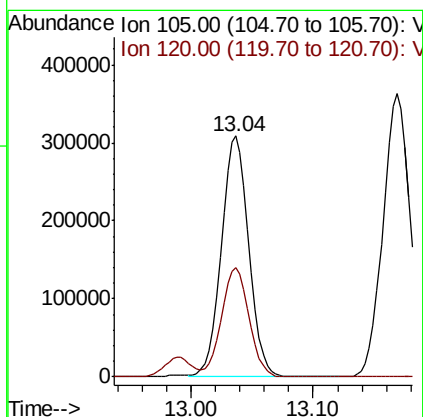
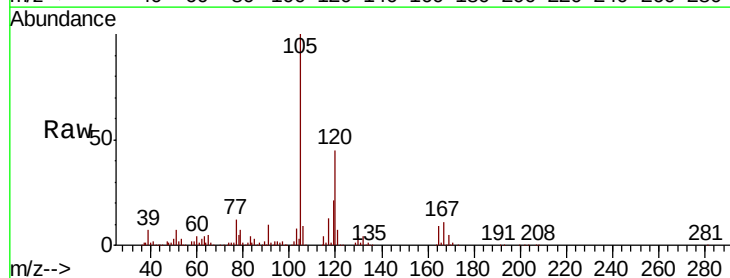
Instrument :
 MSVOA_N
 ClientSampleId :

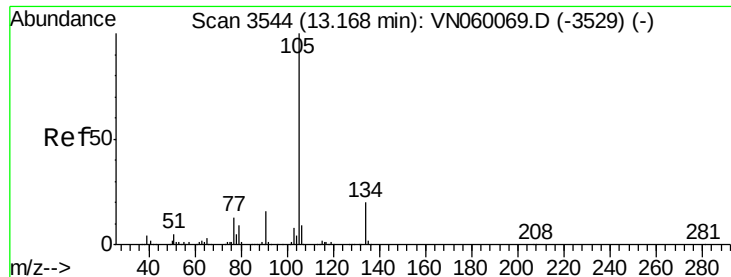
Tot Ion:119 Resp: 417040
 Ion Ratio Lower Upper
 119 100
 91 65.4 32.7 98.1
 134 23.8 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 48.150 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion:105 Resp: 484640
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 47.478 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

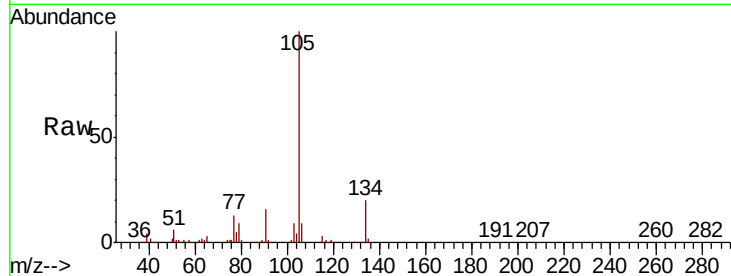
ClientSampled :

Tot Ion:105 Resp: 567154

Ion Ratio Lower Upper

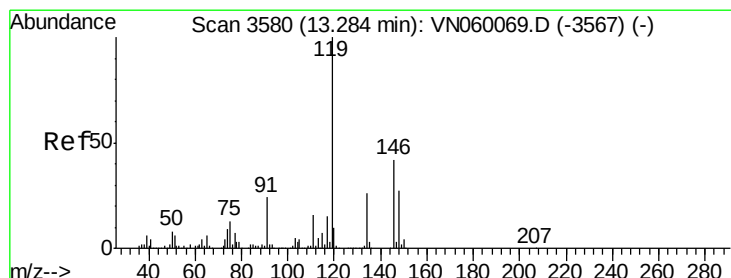
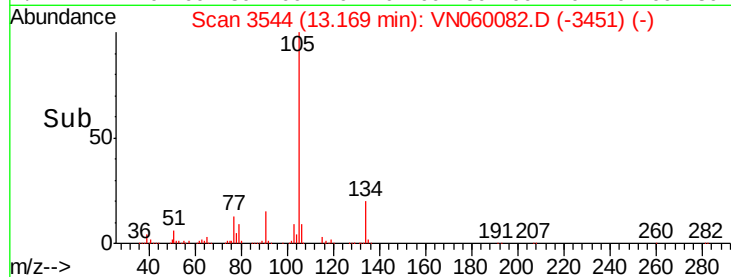
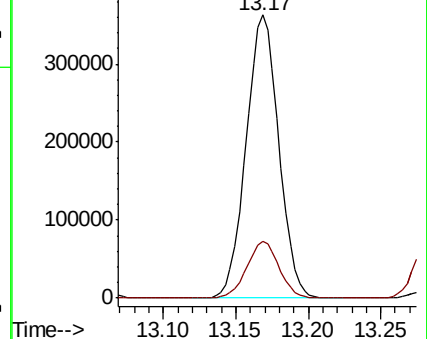
105 100

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



#86

p-Isopropyltoluene

Concen: 48.548 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

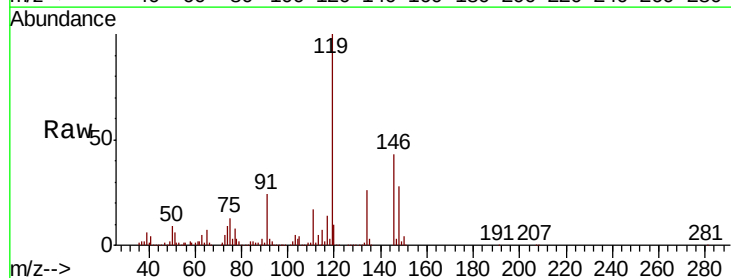
Tgt Ion:119 Resp: 525443

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

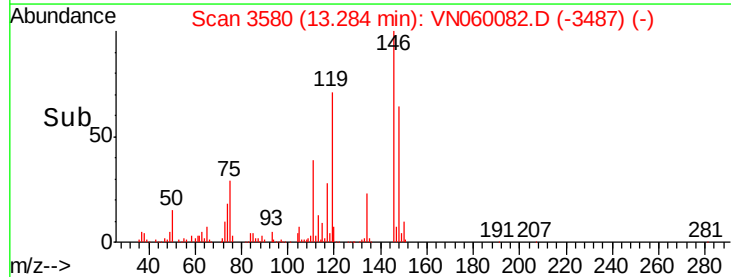
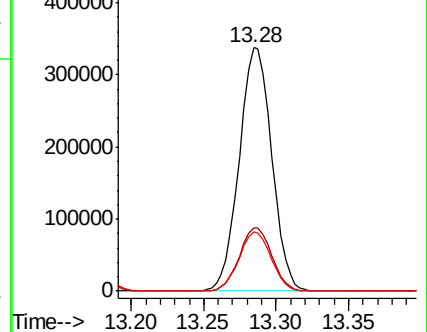
91 24.0 11.9 35.9

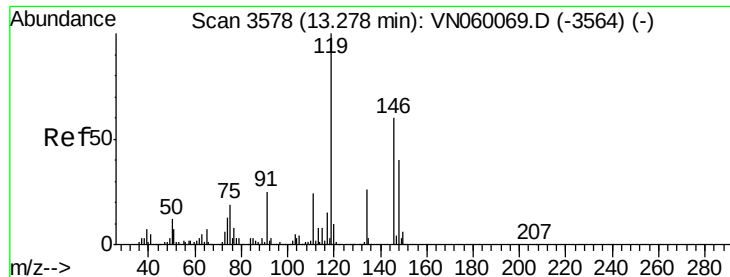


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.114 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

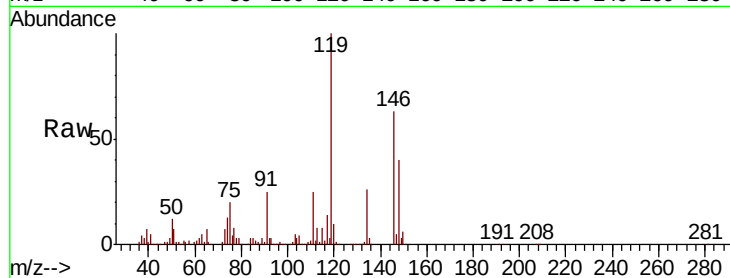
Tot Ion:146 Resp: 264588

Ion Ratio Lower Upper

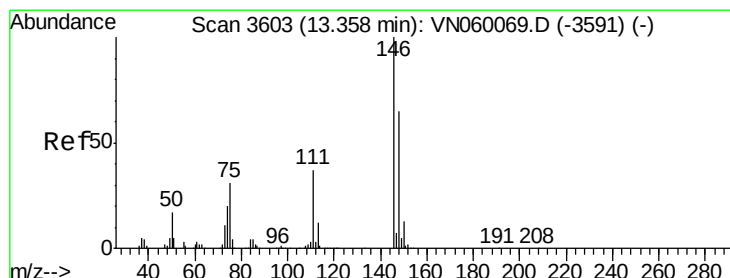
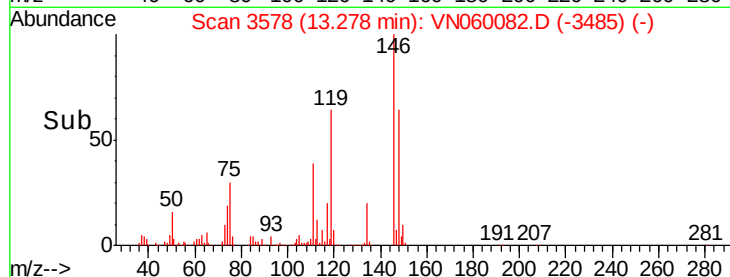
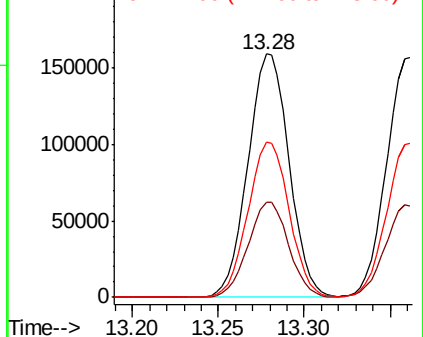
146 100

111 38.6 19.8 59.3

148 63.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.496 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

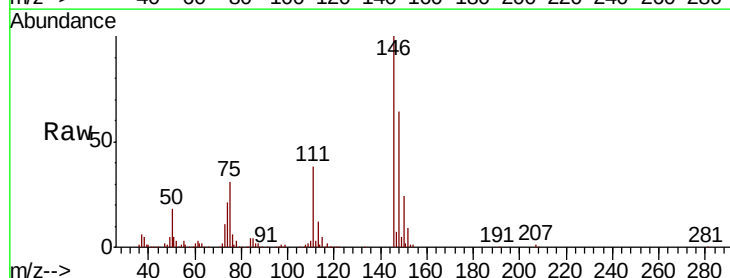
Tgt Ion:146 Resp: 261203

Ion Ratio Lower Upper

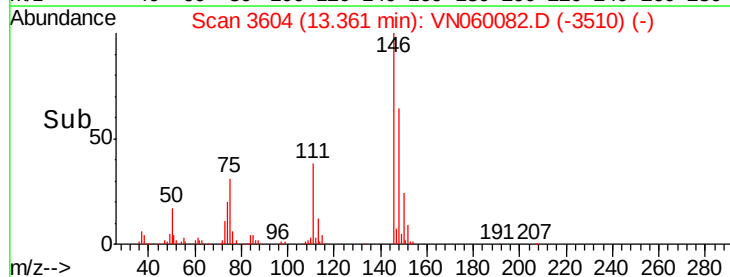
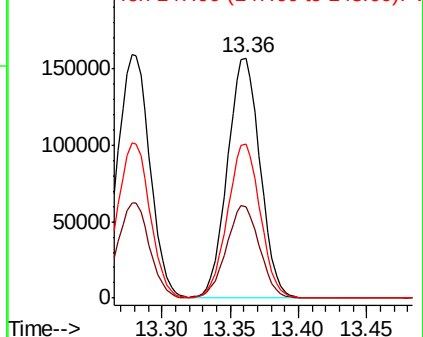
146 100

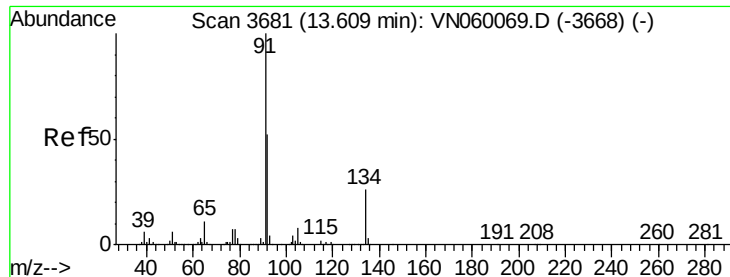
111 38.7 18.9 56.5

148 64.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

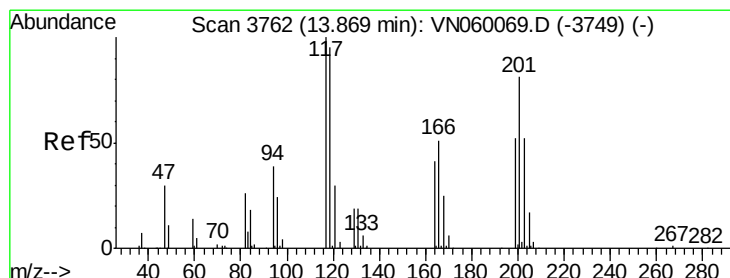
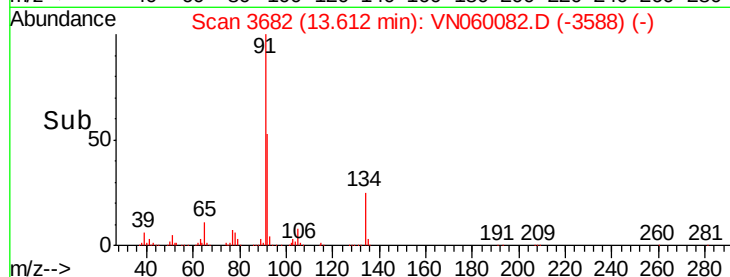
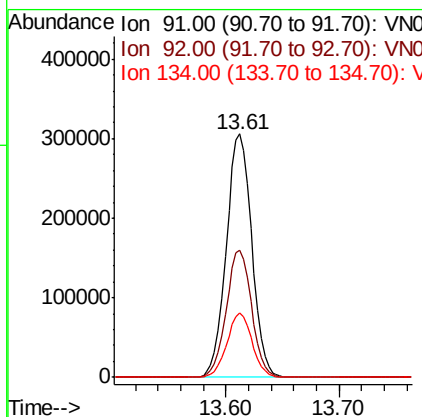
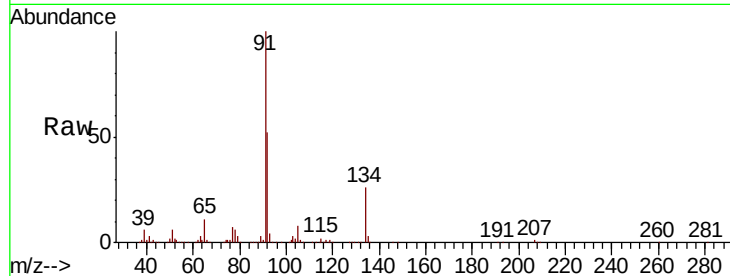




#89
n-Butylbenzene
Concen: 50.361 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

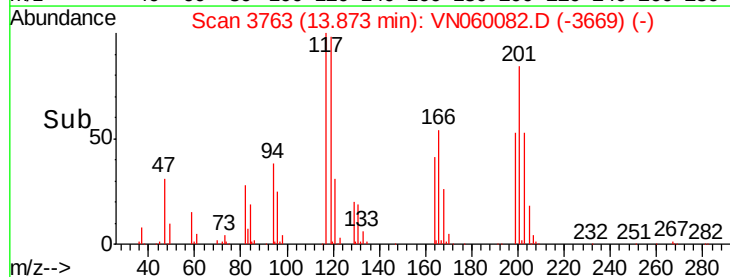
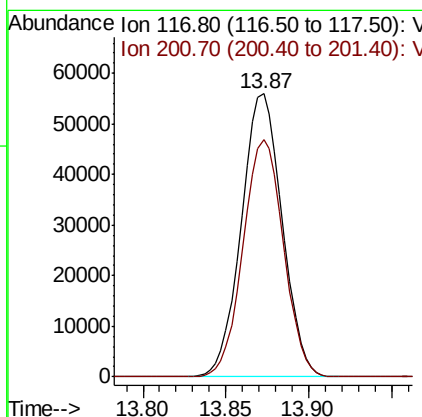
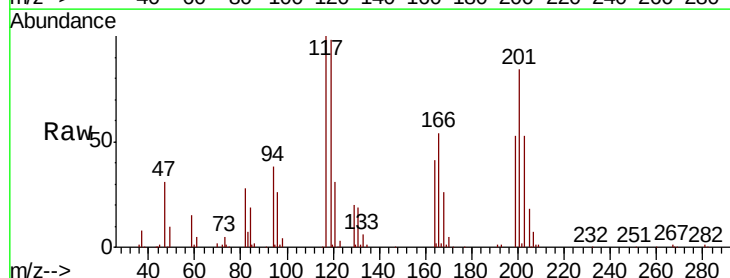
Instrument :
MSVOA_N
ClientSampled :

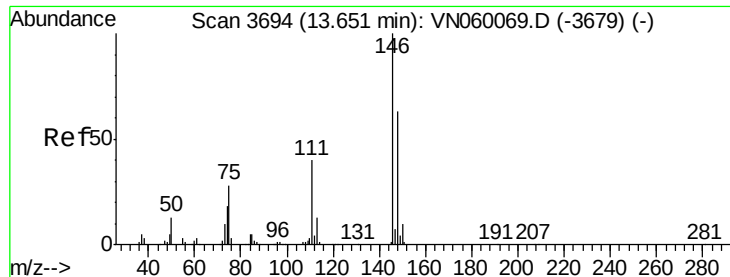
Tot Ion: 91 Resp: 479420
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.2
134 26.1 13.1 39.3



#90
Hexachloroethane
Concen: 47.355 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060082.D
Acq: 13 Feb 2020 9:48

Tgt Ion: 117 Resp: 95751
Ion Ratio Lower Upper
117 100
201 83.0 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 47.647 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060082.D

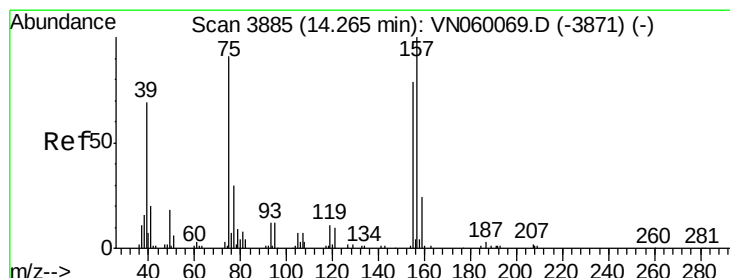
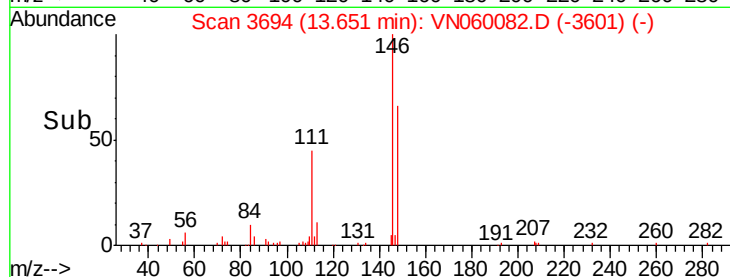
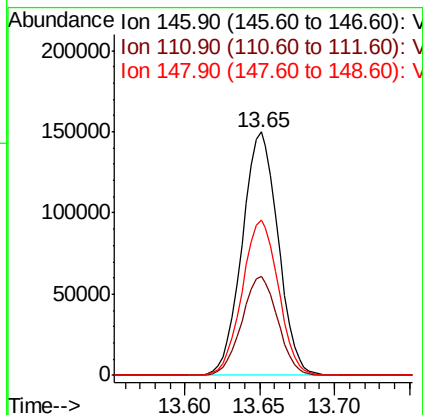
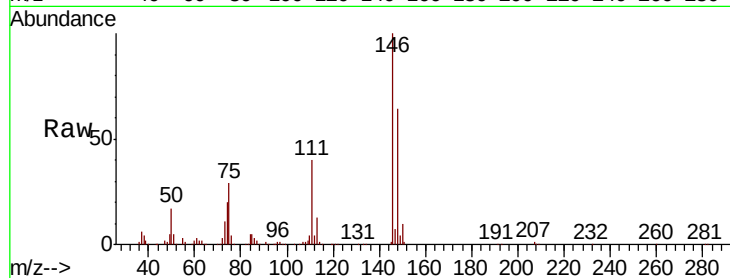
Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	251199
Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.2
148	64.3	31.9	95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.370 ug/l

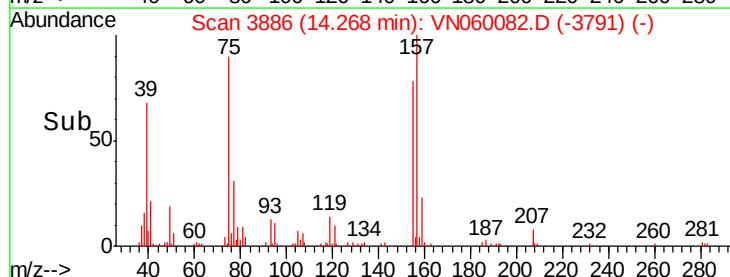
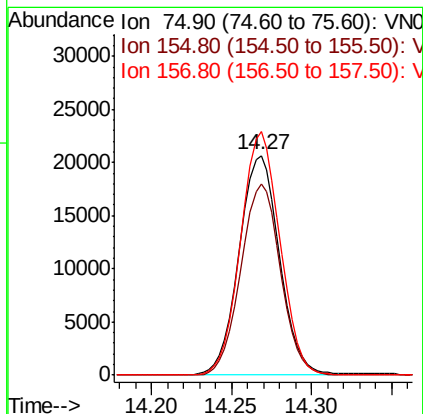
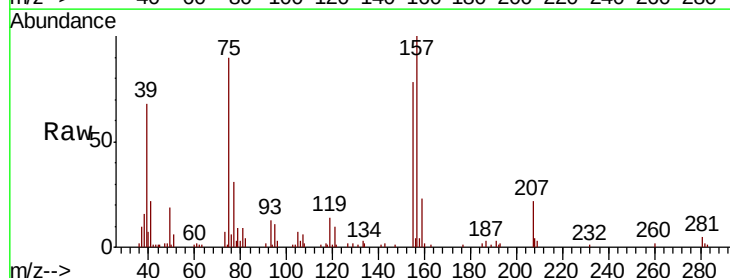
RT: 14.27 min Scan# 3886

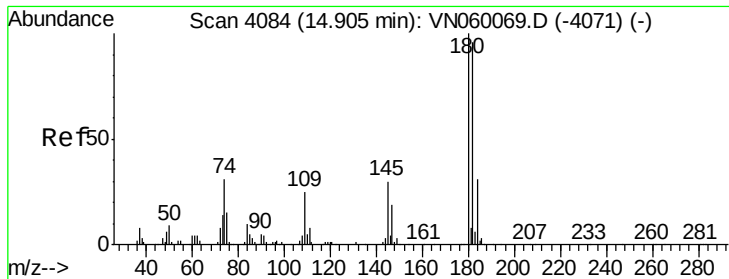
Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Tgt Ion:	75	Resp:	35583
Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.0	129.0
157	107.5	54.9	164.5

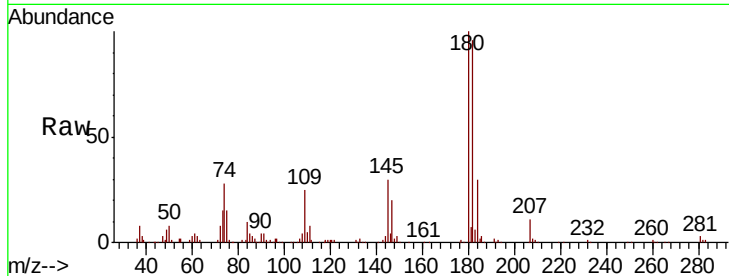




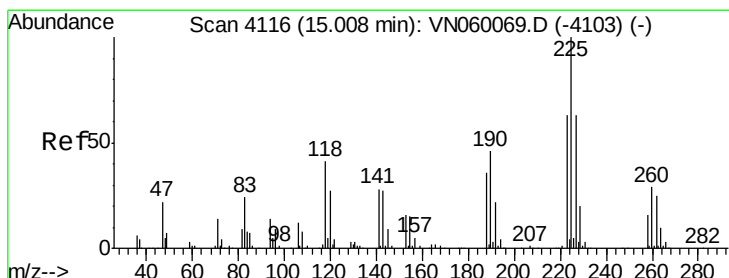
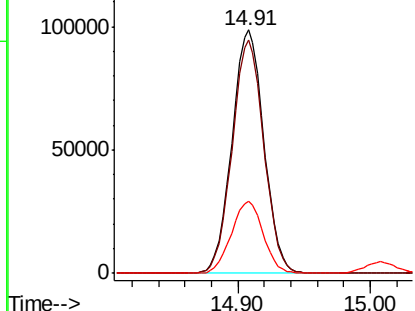
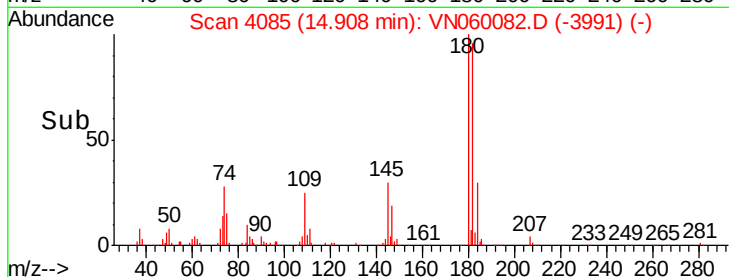
#93
 1,2,4-Trichlorobenzene
 Concen: 53.007 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	29.6	15.2	45.5

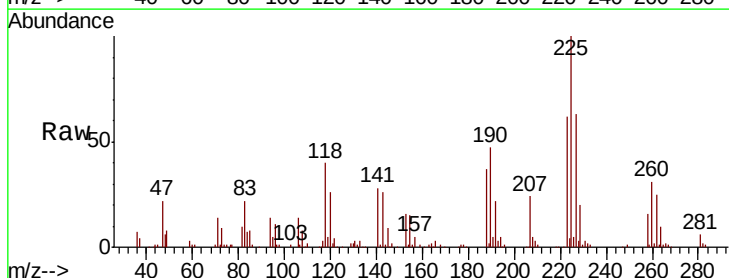


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

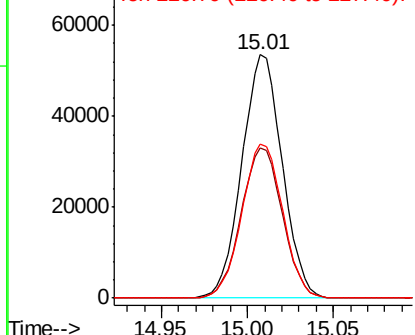
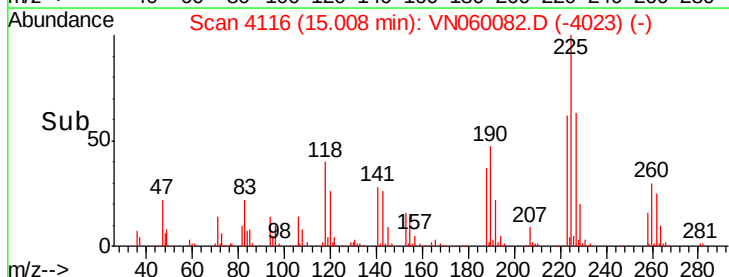


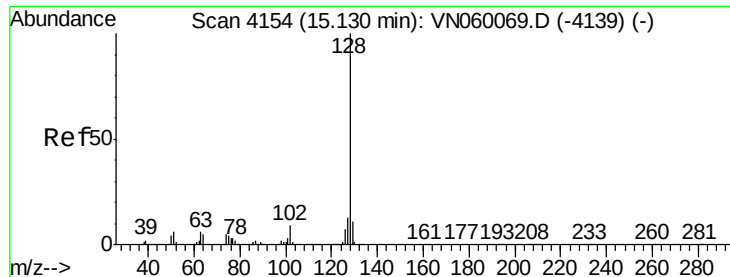
#94
 Hexachlorobutadiene
 Concen: 48.118 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060082.D
 Acq: 13 Feb 2020 9:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.5	94.5
227	64.1	31.8	95.4



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





#95

Naphthalene

Concen: 50.772 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

Instrument :

MSVOA_N

ClientSampleId :

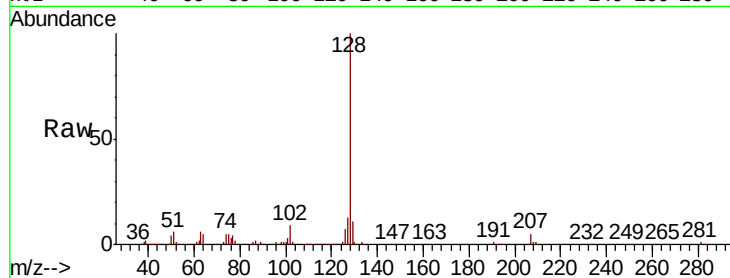
Tot Ion:128 Resp: 424855

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

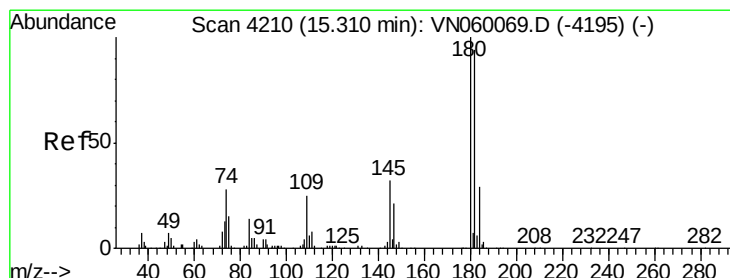
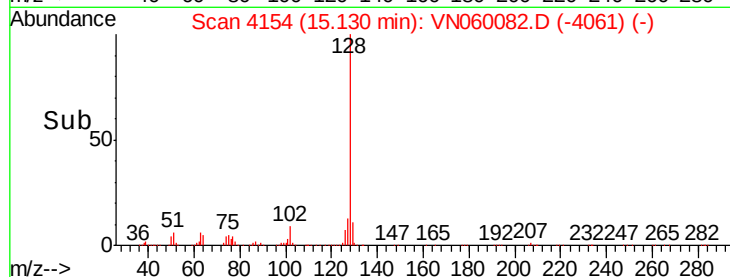
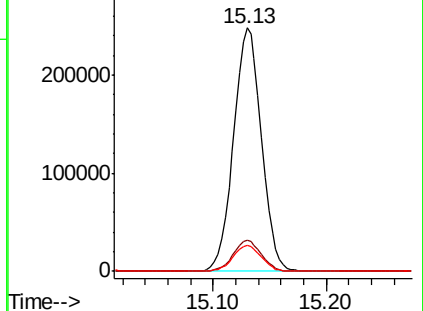
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.472 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060082.D

Acq: 13 Feb 2020 9:48

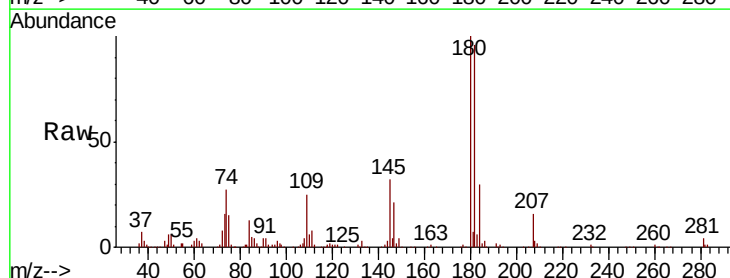
Tgt Ion:180 Resp: 152616

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.5

145 32.2 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

