

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061089.D
 Acq On : 18 Apr 2020 6:31
 Operator : JC/MD
 Sample : L2338-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:44:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	146328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	256023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	235177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110524	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	91550	48.90	ug/l	0.00
Spiked Amount						
			Recovery	=	97.80%	
35) Dibromofluoromethane	7.56	113	71479	47.81	ug/l	0.00
Spiked Amount						
			Recovery	=	95.62%	
50) Toluene-d8	10.08	98	258758	45.80	ug/l	0.00
Spiked Amount						
			Recovery	=	91.60%	
62) 4-Bromofluorobenzene	12.39	95	103236	46.62	ug/l	0.00
Spiked Amount						
			Recovery	=	93.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	94870	49.059	ug/l	99
3) Chloromethane	2.04	50	131016	50.483	ug/l	99
4) Vinyl Chloride	2.17	62	110480	51.226	ug/l	99
5) Bromomethane	2.54	94	53317	49.297	ug/l	100
6) Chloroethane	2.68	64	65424	52.587	ug/l	100
7) Trichlorofluoromethane	3.00	101	138466	51.570	ug/l	99
8) Diethyl Ether	3.38	74	55789	52.278	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74484	47.282	ug/l	99
10) Methyl Iodide	3.93	142	75400	54.255	ug/l	99
11) Tert butyl alcohol	4.72	59	86402	260.112	ug/l	100
12) 1,1-Dichloroethene	3.71	96	80991	50.578	ug/l	99
13) Acrolein	3.57	56	56847	202.686	ug/l	98
14) Allyl chloride	4.29	41	143605	47.398	ug/l	100
15) Acrylonitrile	4.94	53	248394	275.796	ug/l	99
16) Acetone	3.78	43	203879	247.414	ug/l	99
17) Carbon Disulfide	4.03	76	246241	49.143	ug/l	98
18) Methyl Acetate	4.28	43	118075	45.695	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	284418	50.940	ug/l	99
20) Methylene Chloride	4.52	84	91944	51.104	ug/l	100
21) trans-1,2-Dichloroethene	5.00	96	87707	51.210	ug/l	96
22) Diisopropyl ether	5.91	45	327528	52.051	ug/l	96
23) Vinyl Acetate	5.86	43	1039239	210.611	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174799	51.433	ug/l	100
25) 2-Butanone	6.79	43	333185	263.861	ug/l	99
26) 2,2-Dichloropropane	6.79	77	102418	36.194	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	100795	51.262	ug/l	97
28) Bromochloromethane	7.17	49	79250	50.801	ug/l	99
29) Tetrahydrofuran	7.18	42	229657	267.899	ug/l	100
30) Chloroform	7.34	83	163808	51.676	ug/l	97
31) Cyclohexane	7.63	56	162102	46.482	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	141207	51.499	ug/l	99
36) 1,1-Dichloropropene	7.77	75	127611	48.302	ug/l	99
37) Ethyl Acetate	6.89	43	120120	41.873	ug/l	99
38) Carbon Tetrachloride	7.75	117	112654	51.228	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	141470	44.789	ug/l	99
40) Benzene	8.02	78	387010	49.378	ug/l	100
41) Methacrylonitrile	7.18	41	206850	172.874	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	135051	50.581	ug/l	99
43) Isopropyl Acetate	8.14	43	212964	45.646	ug/l	99
44) Trichloroethene	8.81	130	94753	48.113	ug/l	100
45) 1,2-Dichloropropane	9.10	63	105349	49.764	ug/l	99
46) Dibromomethane	9.19	93	62207	50.966	ug/l	99
47) Bromodichloromethane	9.38	83	130998	50.804	ug/l	99
48) Methyl methacrylate	9.18	41	107370	52.075	ug/l	98
49) 1,4-Dioxane	9.18	88	28501	995.597	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	706076	262.525	ug/l	99
52) Toluene	10.14	92	230154	48.949	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	145130	48.455	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	151792	46.449	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89010	50.023	ug/l	96
56) Ethyl methacrylate	10.42	69	145319	51.936	ug/l	99
57) 1,3-Dichloropropane	10.70	76	159261	50.179	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.82	63	770	0.606	ug/l #	51
59) 2-Hexanone	10.74	43	515615	265.828	ug/l	99
60) Dibromochloromethane	10.89	129	94145	51.506	ug/l	100
61) 1,2-Dibromoethane	10.99	107	92243	50.874	ug/l	99
64) Tetrachloroethene	10.62	164	87029	48.360	ug/l	98
65) Chlorobenzene	11.42	112	234985	48.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	85306	49.113	ug/l	99
67) Ethyl Benzene	11.50	91	441455	48.340	ug/l	100
68) m/p-Xylenes	11.61	106	321991	97.561	ug/l	99
69) o-Xylene	11.94	106	156176	49.216	ug/l	99
70) Styrene	11.96	104	259551	50.806	ug/l	99
71) Bromoform	12.12	173	67663	52.188	ug/l #	100
73) Isopropylbenzene	12.24	105	415783	46.957	ug/l	100
74) N-amyl acetate	12.06	43	168574	40.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	134610	49.801	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	174979	71.976	ug/l #	100
77) Bromobenzene	12.52	156	99794	48.270	ug/l	98
78) n-propylbenzene	12.58	91	491512	47.445	ug/l	99
79) 2-Chlorotoluene	12.67	91	288830	47.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	349033	47.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	42846	43.472	ug/l	99
82) 4-Chlorotoluene	12.77	91	301777	47.889	ug/l	99
83) tert-Butylbenzene	12.99	119	292825	47.574	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	349689	48.335	ug/l	100
85) sec-Butylbenzene	13.17	105	392931	47.115	ug/l	100
86) p-Isopropyltoluene	13.28	119	345741	46.556	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	175879	47.736	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	175289	47.291	ug/l	100
89) n-Butylbenzene	13.61	91	312690	45.278	ug/l	99
90) Hexachloroethane	13.87	117	55529	48.736	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	171160	48.674	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	27507	52.583	ug/l	99

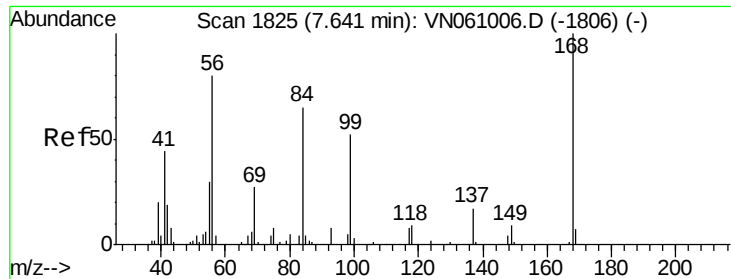
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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	101573	48.802	ug/l	99
94) Hexachlorobutadiene	15.00	225	46099	43.055	ug/l	99
95) Naphthalene	15.13	128	317409	52.292	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	101758	50.732	ug/l	99

(#) = 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: VN061089.D

Acq: 18 Apr 2020 6:31

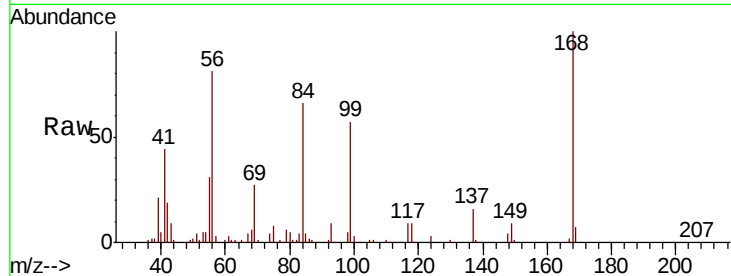
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 146328

Ion Ratio Lower Upper

168 100

99 56.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

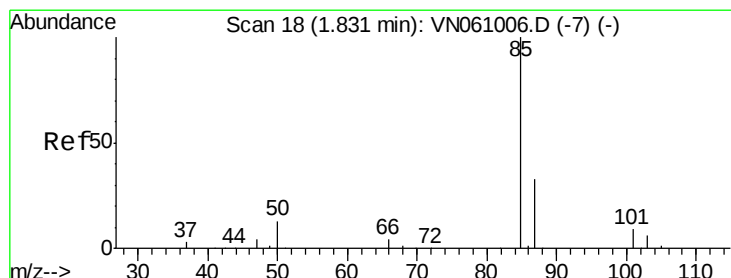
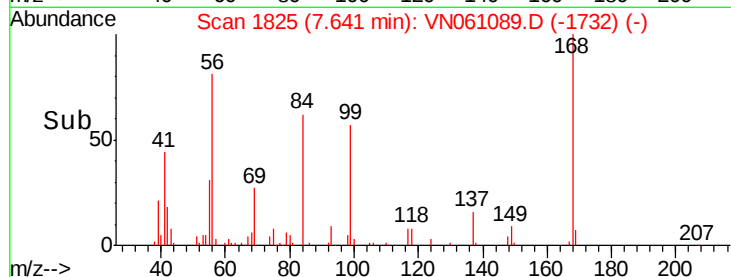
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.059 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061089.D

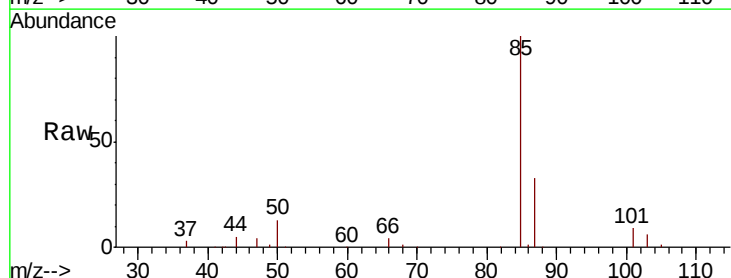
Acq: 18 Apr 2020 6:31

Tgt Ion: 85 Resp: 94870

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

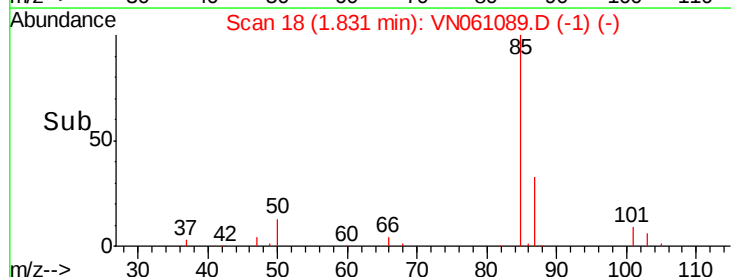
40000

20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 50.483 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

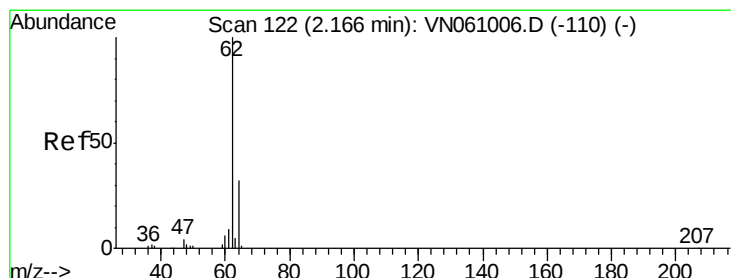
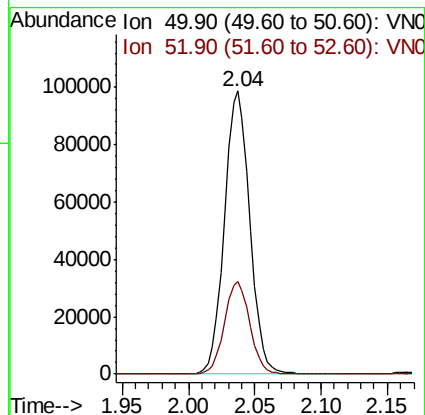
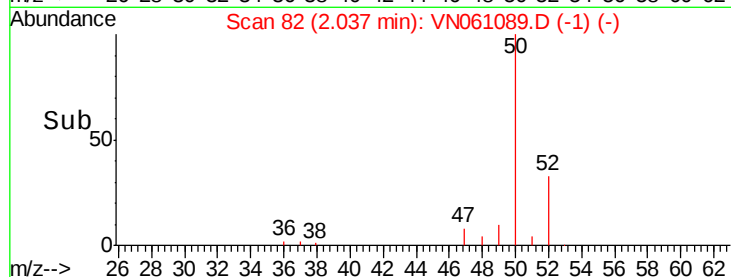
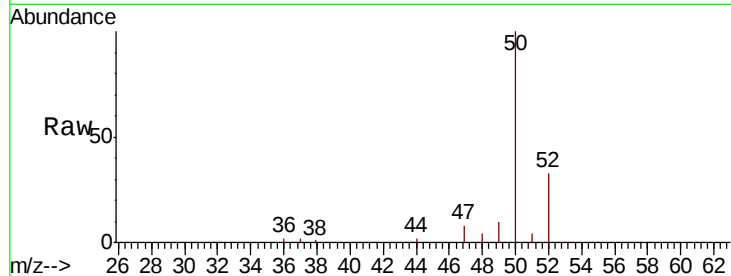
ClientSampled :

Tot Ion: 50 Resp: 131016

Ion Ratio Lower Upper

50 100

52 32.7 25.6 38.4



#4

Vinyl Chloride

Concen: 51.226 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061089.D

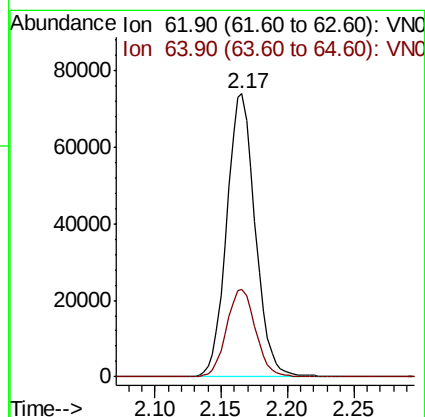
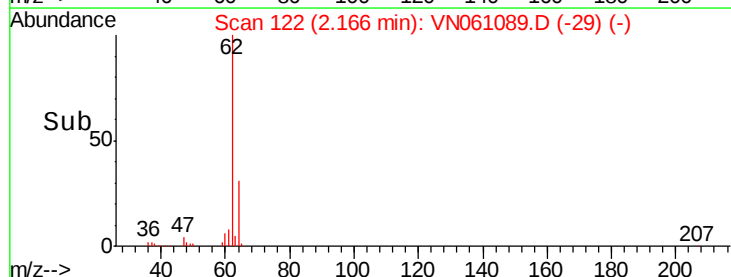
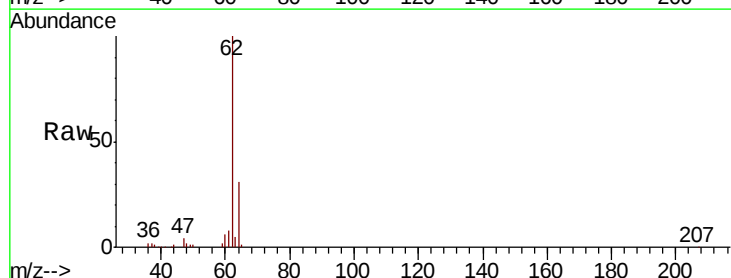
Acq: 18 Apr 2020 6:31

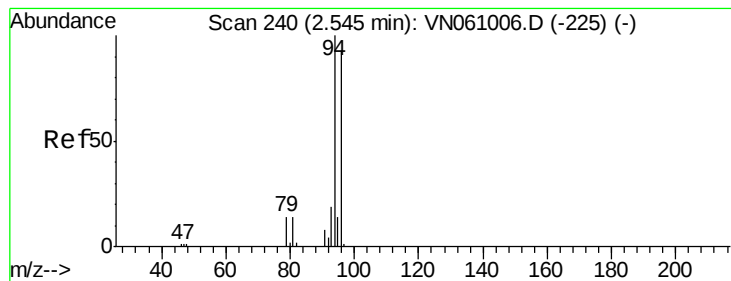
Tgt Ion: 62 Resp: 110480

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 49.297 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

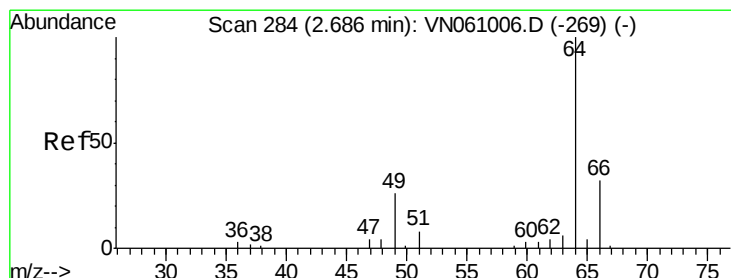
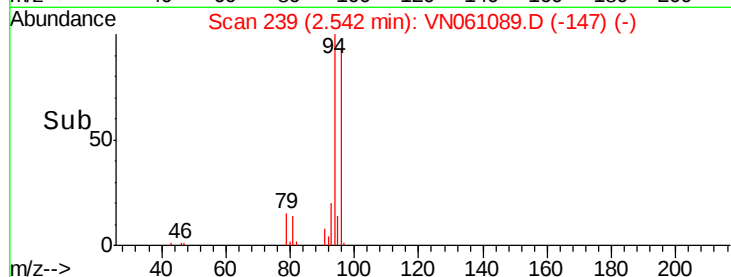
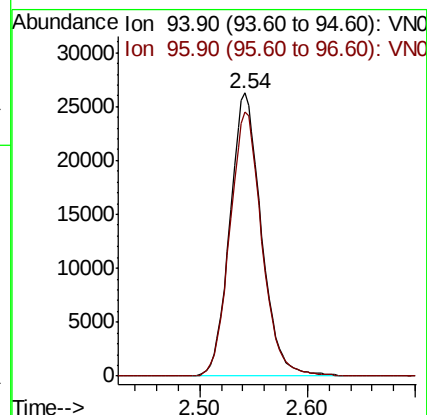
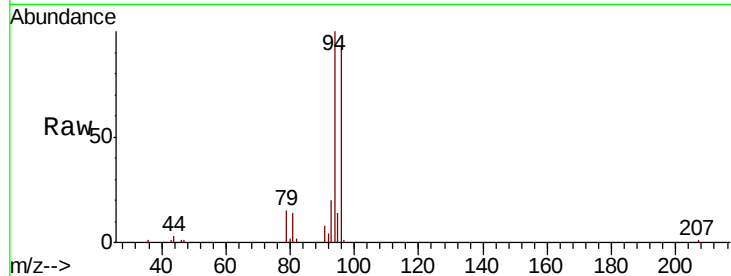
ClientSampleId :

Tot Ion: 94 Resp: 53317

Ion Ratio Lower Upper

94 100

96 93.4 74.3 111.5



#6

Chloroethane

Concen: 52.587 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061089.D

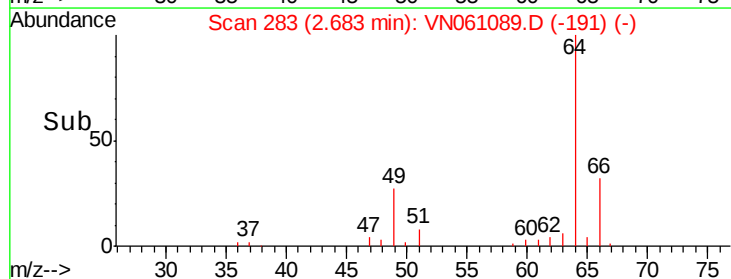
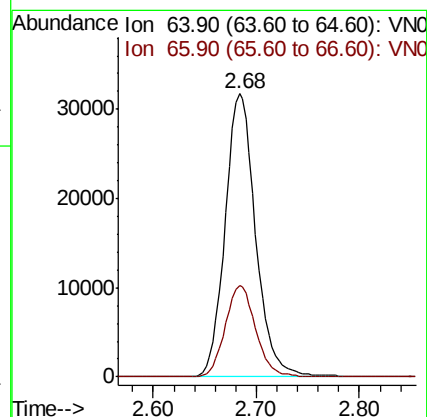
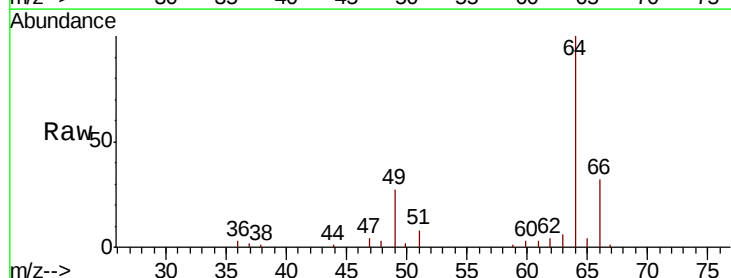
Acq: 18 Apr 2020 6:31

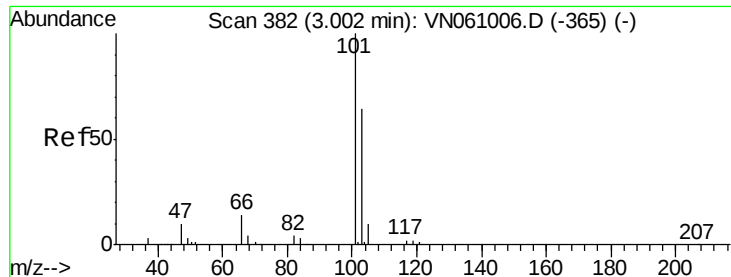
Tgt Ion: 64 Resp: 65424

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8



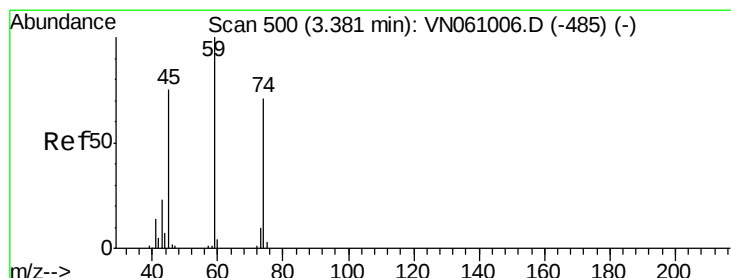
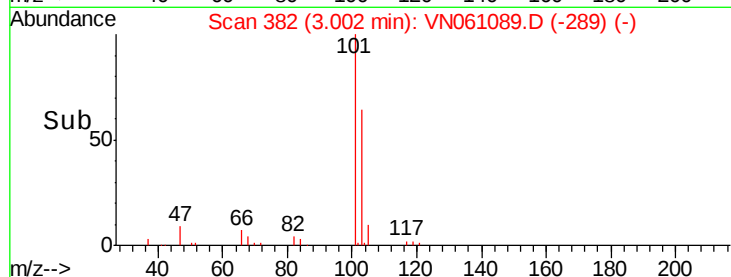
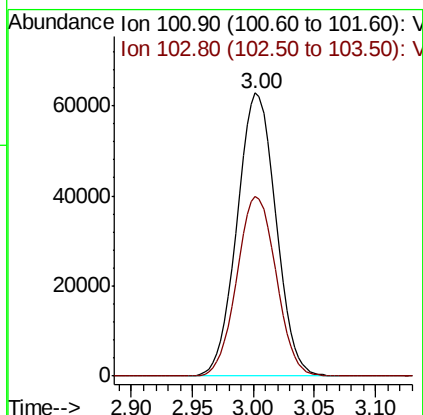
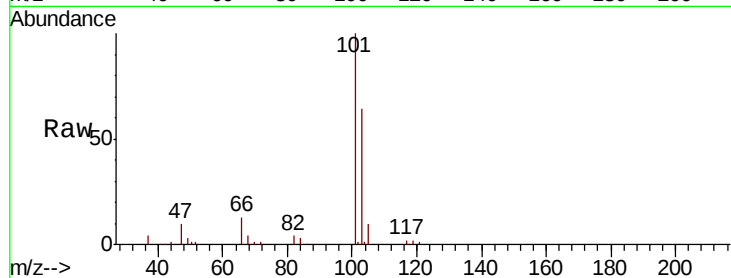


#7

Trichlorofluoromethane
 Concen: 51.570 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Instrument :
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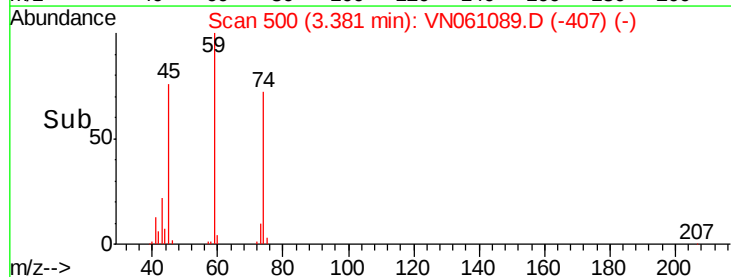
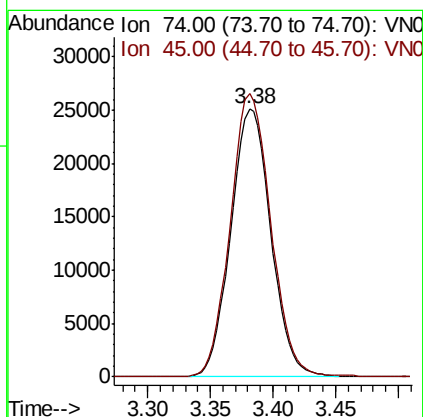
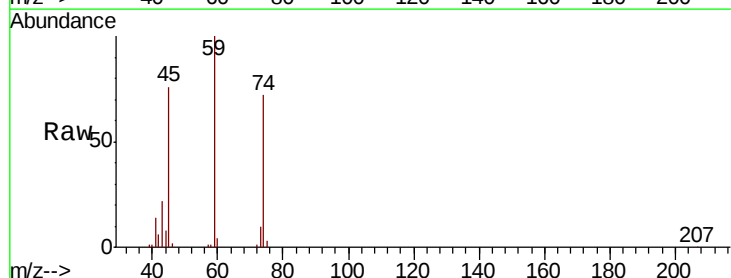
Tot Ion:101 Resp: 138466
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.4 77.2

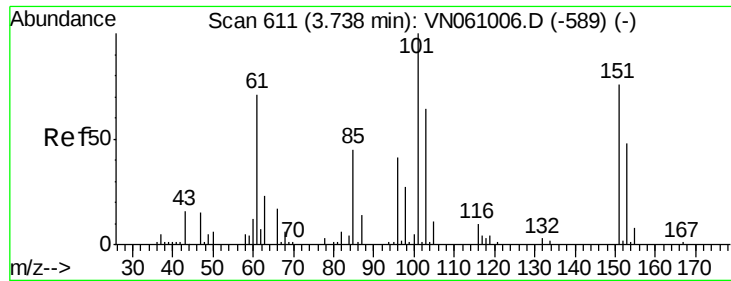


#8

Diethyl Ether
 Concen: 52.278 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion: 74 Resp: 55789
 Ion Ratio Lower Upper
 74 100
 45 107.3 52.9 158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.282 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

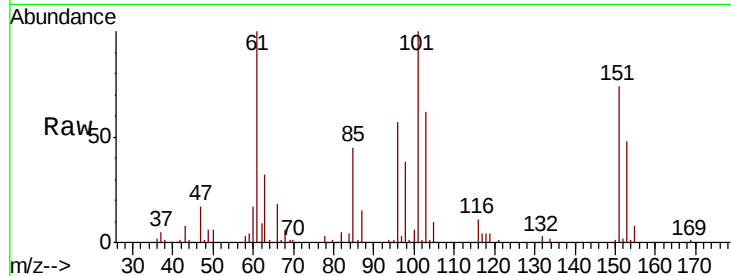
Tot Ion:101 Resp: 74484

Ion Ratio Lower Upper

101 100

85 46.0 35.9 53.9

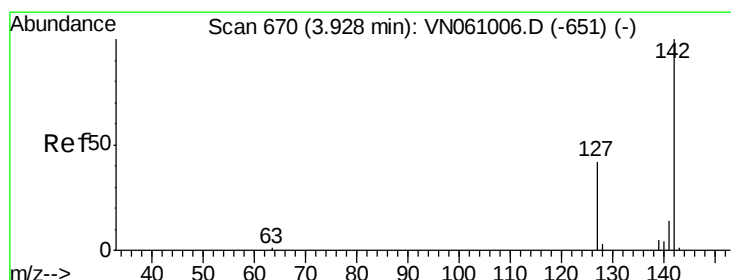
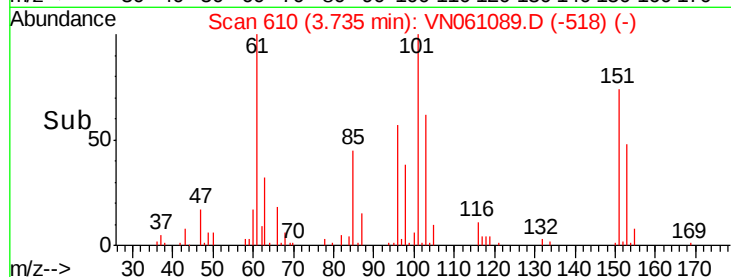
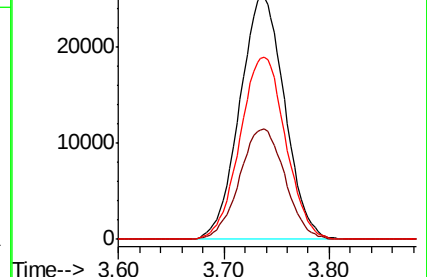
151 76.1 60.8 91.2



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: 54.255 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

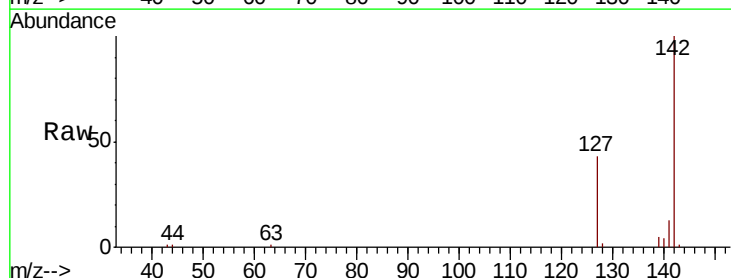
Tgt Ion:142 Resp: 75400

Ion Ratio Lower Upper

142 100

127 42.2 33.4 50.2

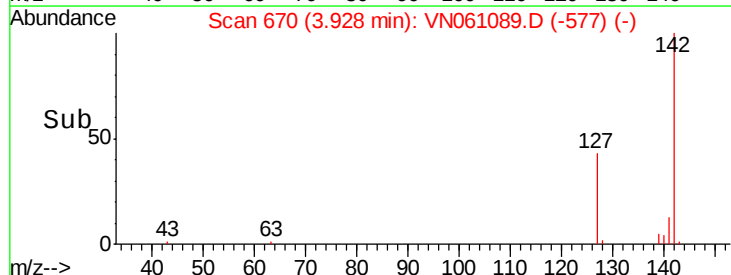
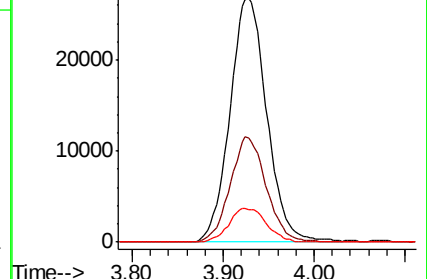
141 13.9 11.0 16.6

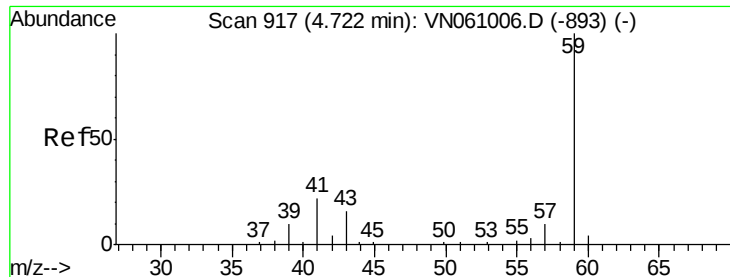


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

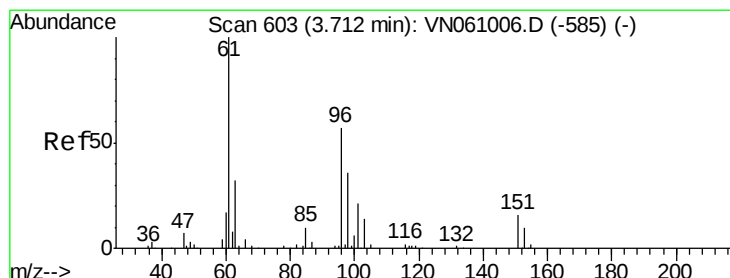
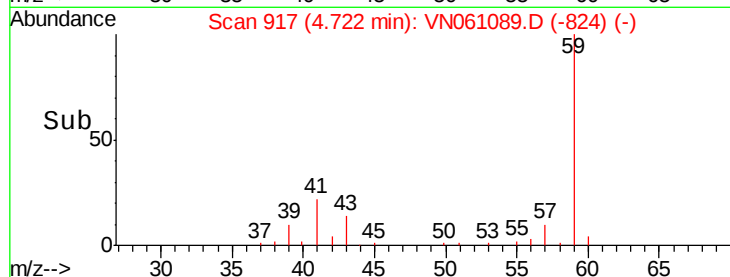
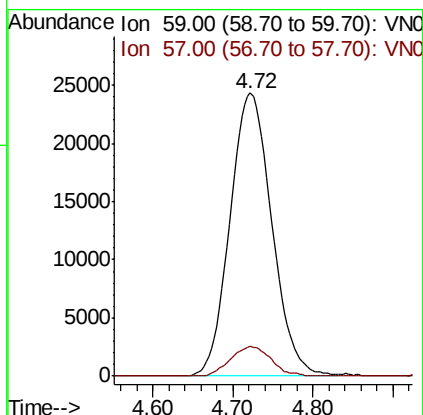
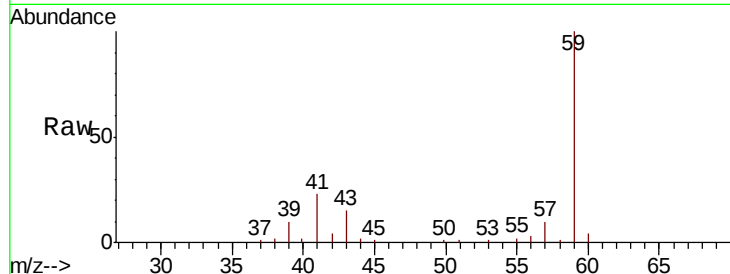




#11
Tert butyl alcohol
Concen: 260.112 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

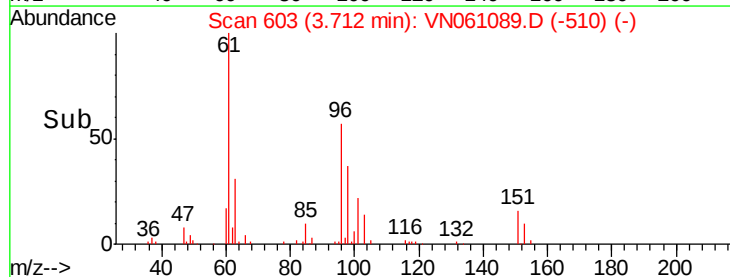
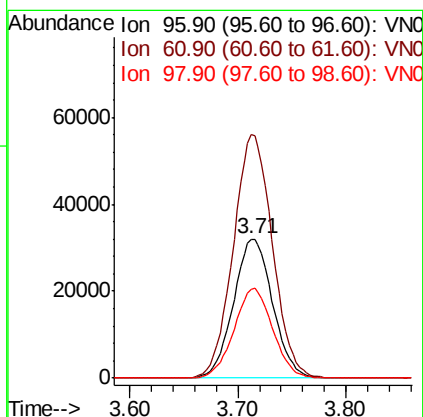
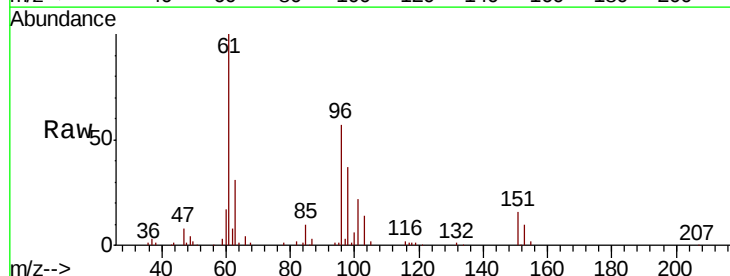
Instrument :
MSVOA_N
ClientSampled :

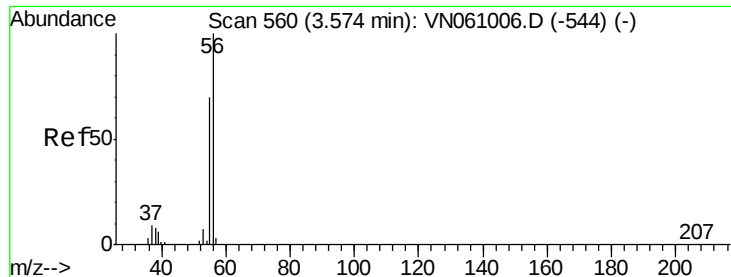
Tot Ion: 59 Resp: 86402
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#12
1,1-Dichloroethene
Concen: 50.578 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 96 Resp: 80991
Ion Ratio Lower Upper
96 100
61 174.9 139.2 208.8
98 64.1 50.0 75.0





#13

Acrolein

Concen: 202.686 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

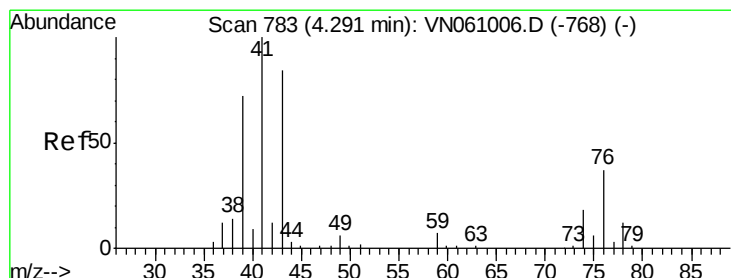
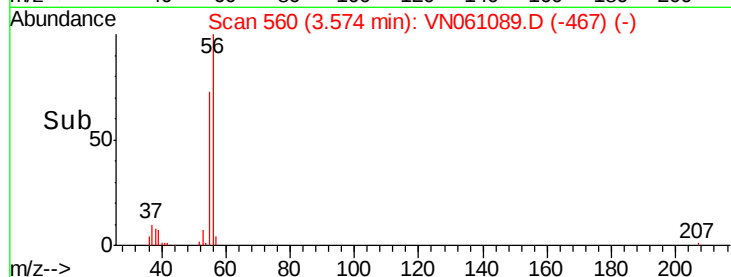
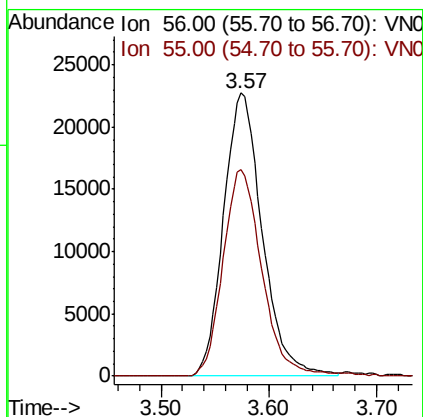
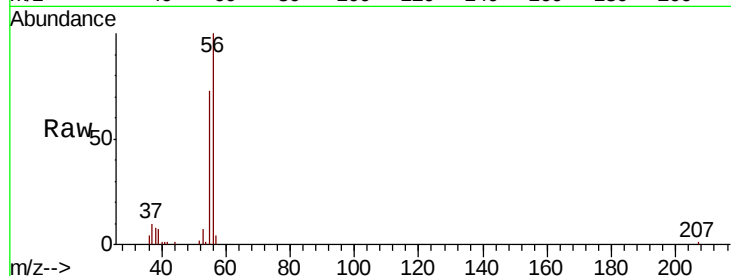
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 56847

Ion Ratio Lower Upper

56 100

55 72.9 57.0 85.6



#14

Allyl chloride

Concen: 47.398 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

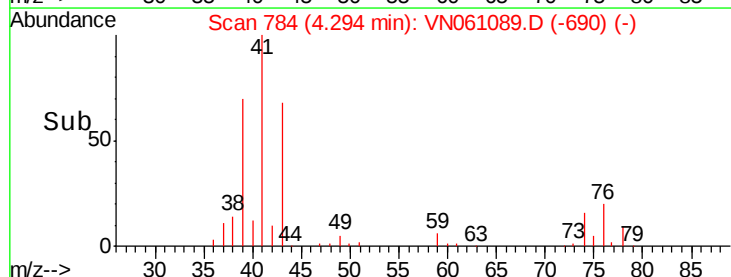
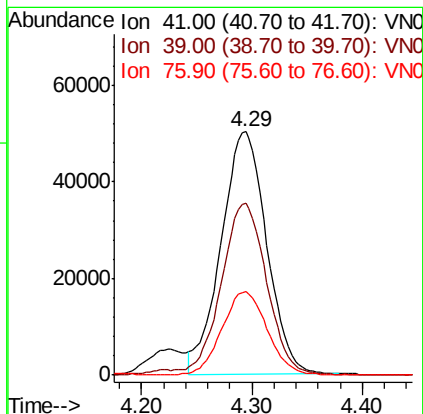
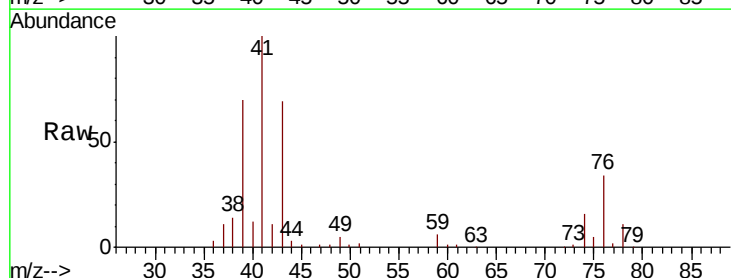
Tgt Ion: 41 Resp: 143605

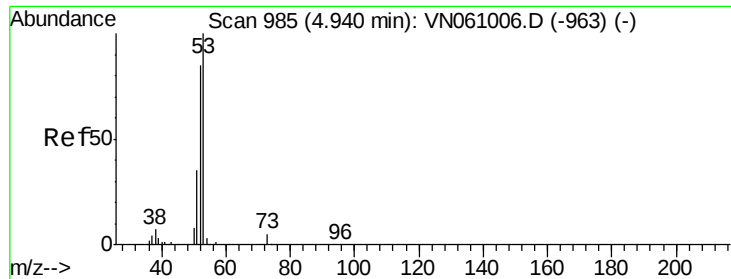
Ion Ratio Lower Upper

41 100

39 69.9 56.3 84.5

76 34.4 27.7 41.5





#15

Acrylonitrile

Concen: 275.796 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampled :

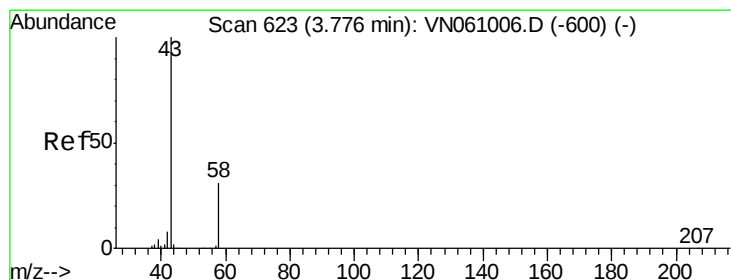
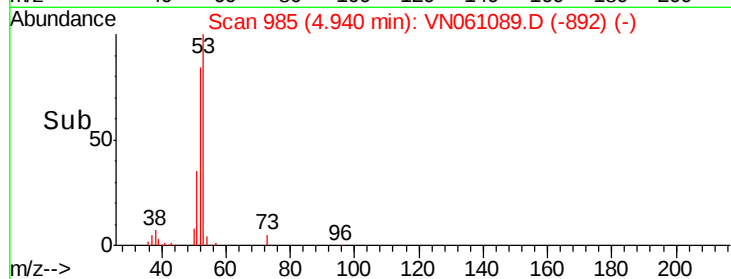
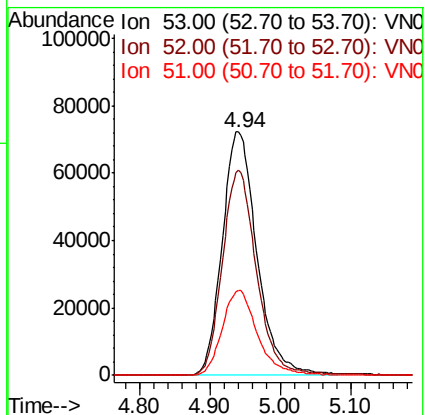
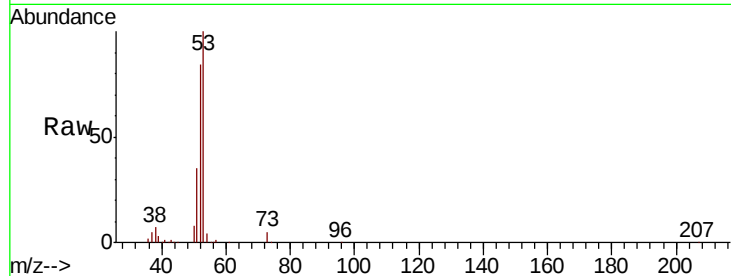
Tot Ion: 53 Resp: 248394

Ion Ratio Lower Upper

53 100

52 82.8 66.8 100.2

51 35.3 28.9 43.3



#16

Acetone

Concen: 247.414 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061089.D

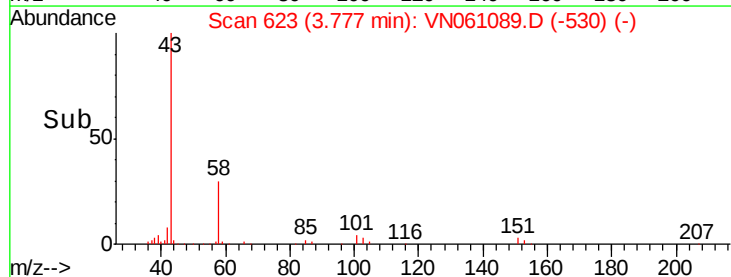
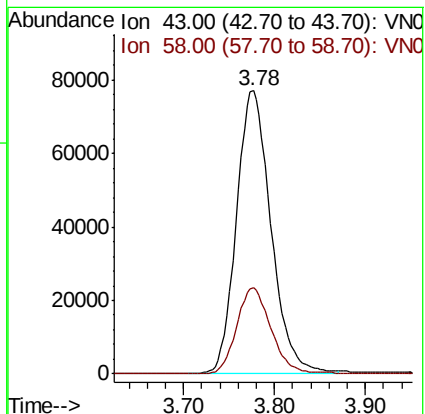
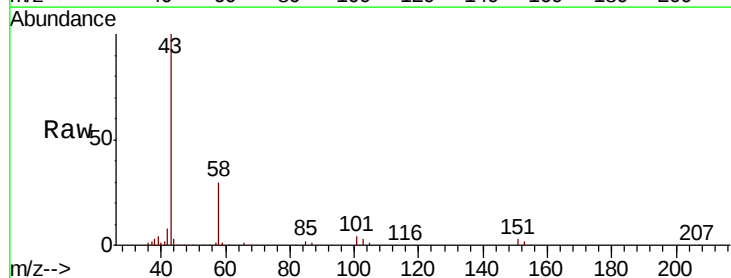
Acq: 18 Apr 2020 6:31

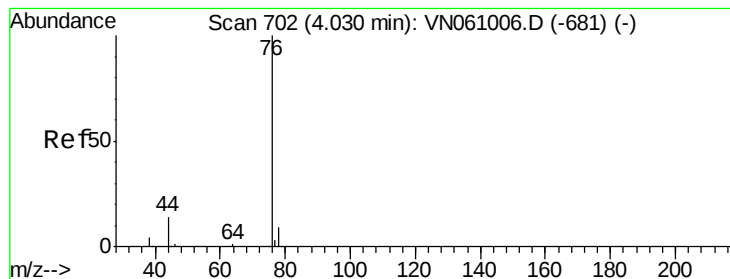
Tgt Ion: 43 Resp: 203879

Ion Ratio Lower Upper

43 100

58 30.4 24.6 37.0





#17

Carbon Disulfide

Concen: 49.143 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

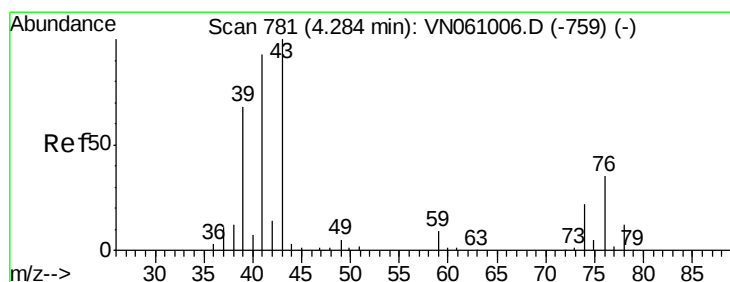
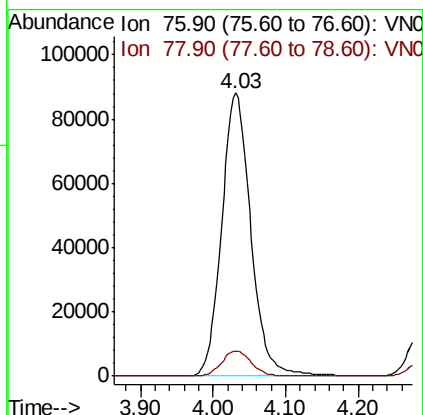
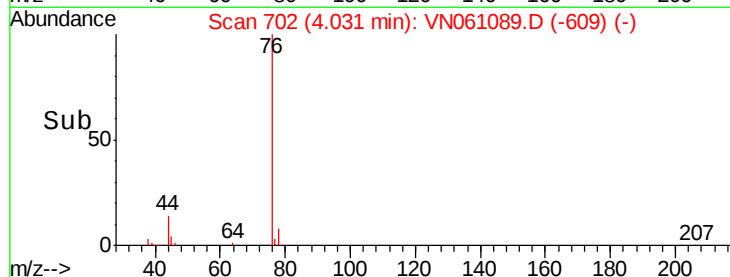
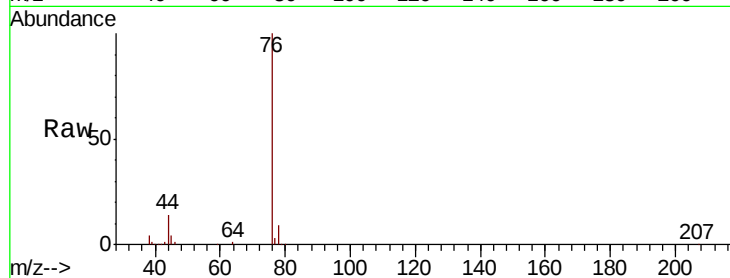
ClientSampleId :

Tot Ion: 76 Resp: 246241

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4



#18

Methyl Acetate

Concen: 45.695 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061089.D

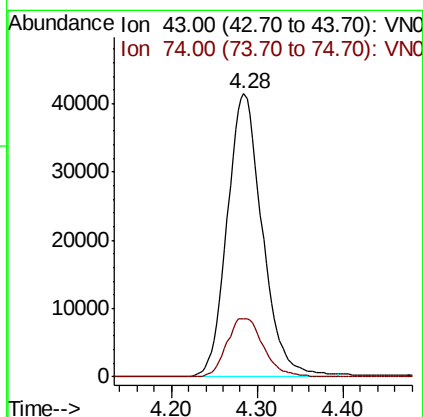
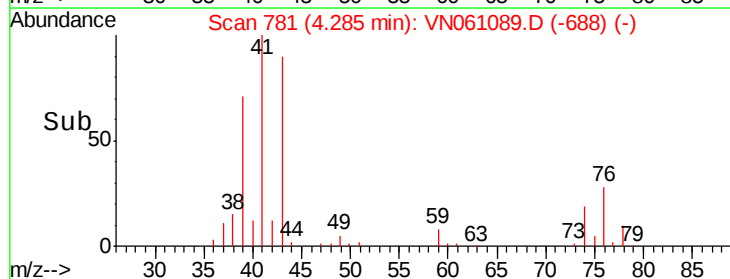
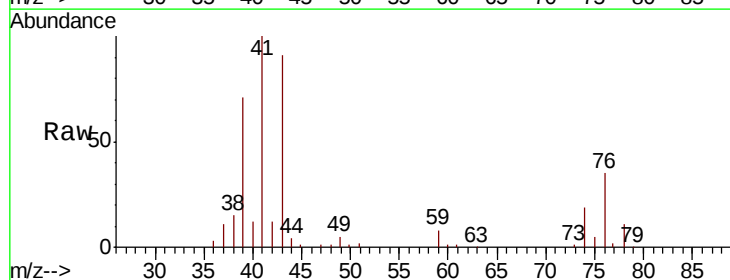
Acq: 18 Apr 2020 6:31

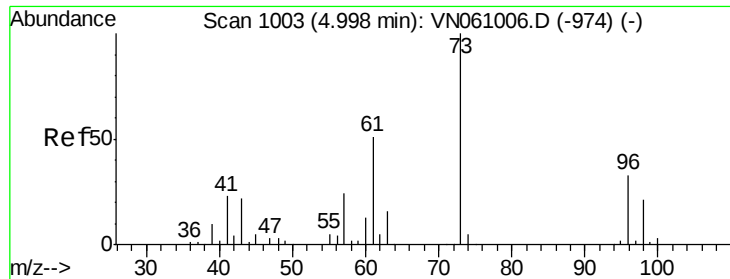
Tgt Ion: 43 Resp: 118075

Ion Ratio Lower Upper

43 100

74 21.5 17.4 26.0

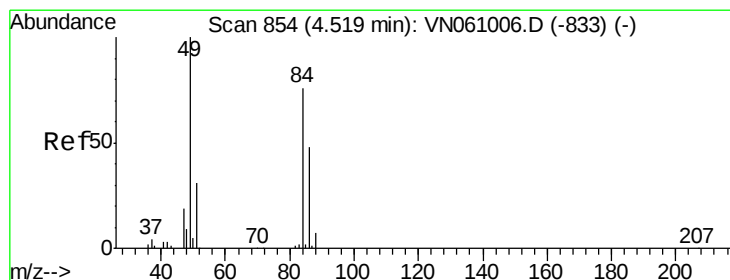
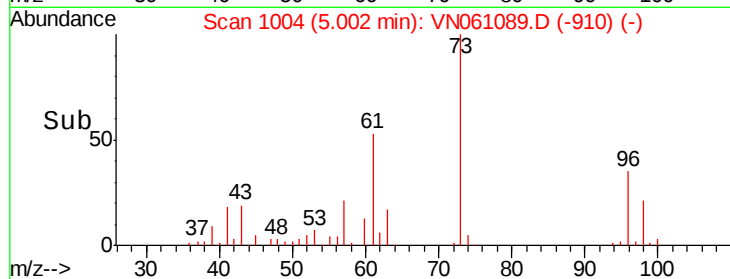
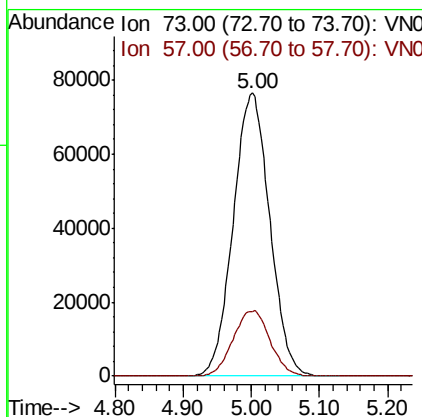
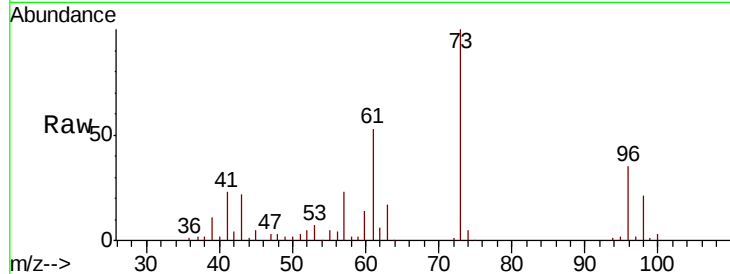




#19
Methvl tert-butvl Ether
Concen: 50.940 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

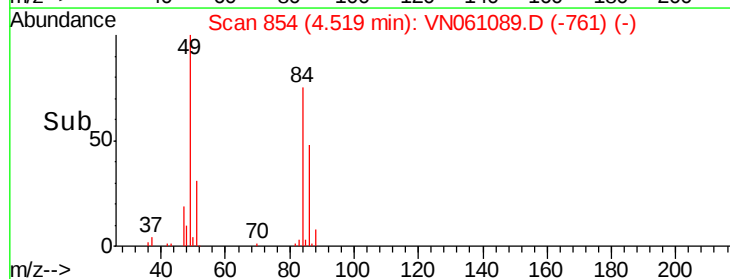
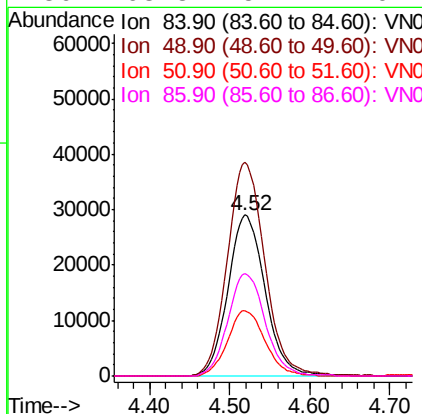
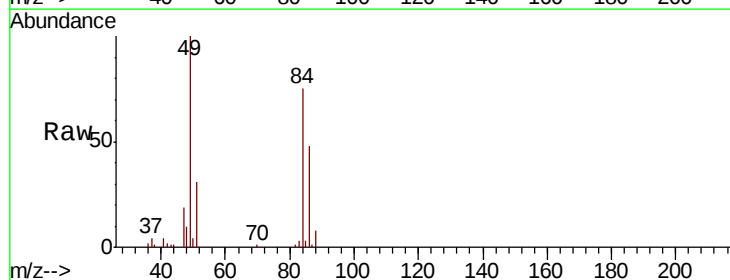
Instrument :
MSVOA_N
ClientSampled :

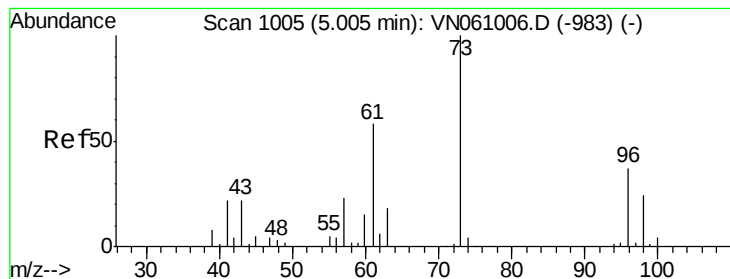
Tot Ion: 73 Resp: 284418
Ion Ratio Lower Upper
73 100
57 23.0 19.0 28.4



#20
Methylene Chloride
Concen: 51.104 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 84 Resp: 91944
Ion Ratio Lower Upper
84 100
49 132.5 105.8 158.6
51 40.5 32.4 48.6
86 63.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.210 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

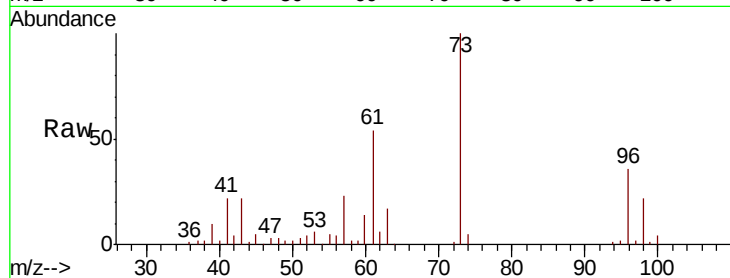
Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 87707

Ion	Ratio	Lower	Upper
96	100		
61	149.9	124.8	187.2
98	61.9	51.3	76.9

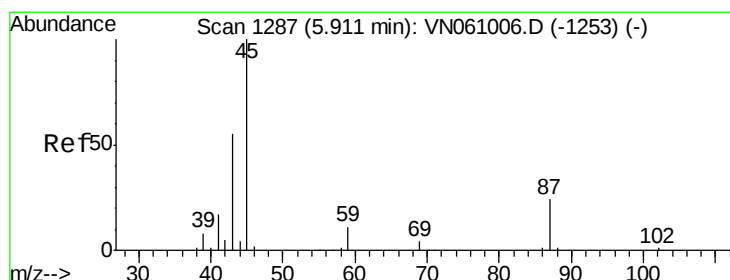
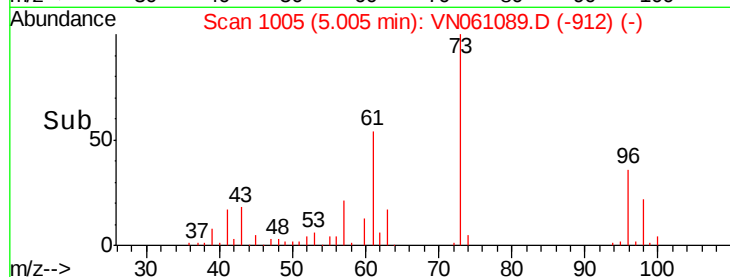
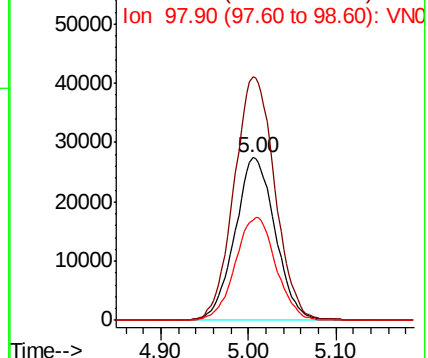


Abundance

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: 52.051 ug/l

RT: 5.91 min Scan# 1288

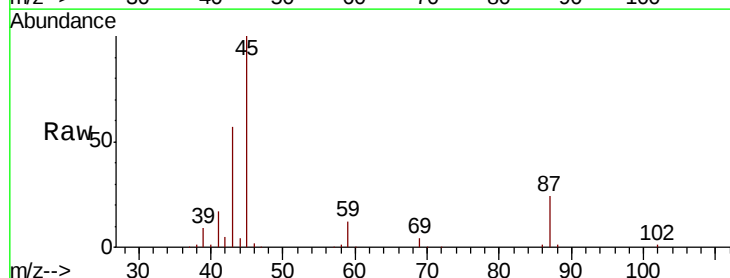
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion: 45 Resp: 327528

Ion	Ratio	Lower	Upper
45	100		
43	56.0	48.6	72.8
87	24.2	19.4	29.2
59	11.5	8.6	12.8



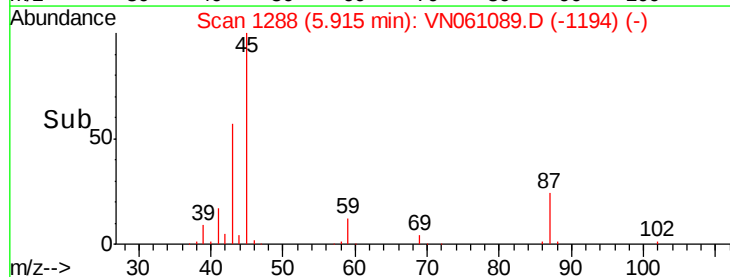
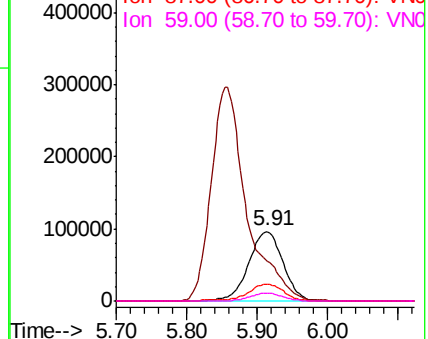
Abundance

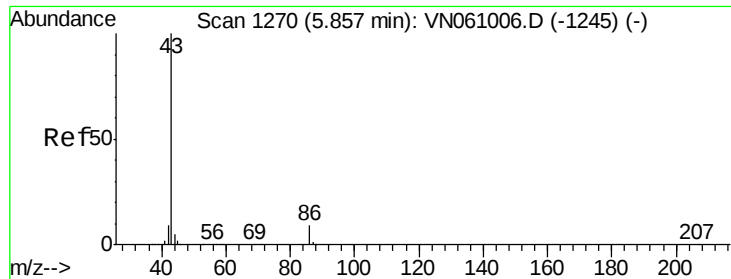
Ion 45.00 (44.70 to 45.70): VN0

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

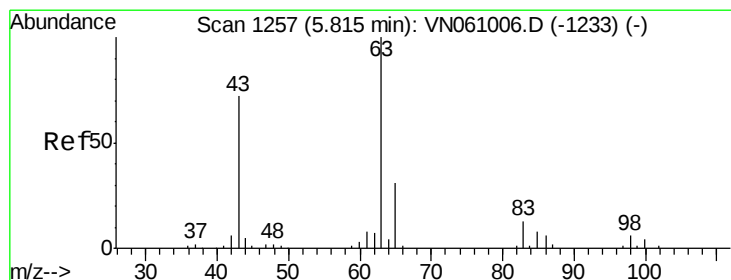
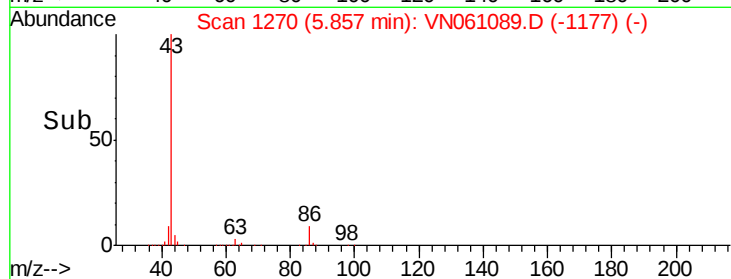
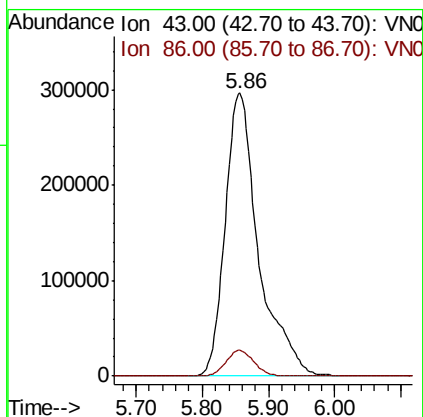
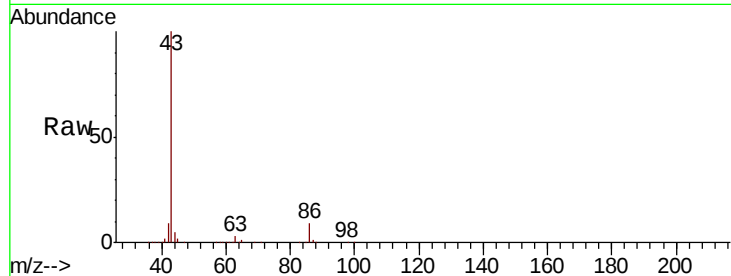




#23
 Vinyl Acetate
 Concen: 210.611 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

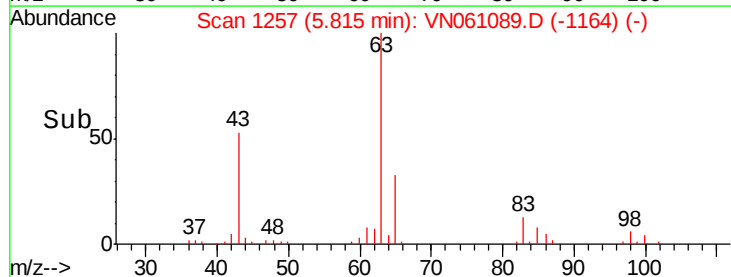
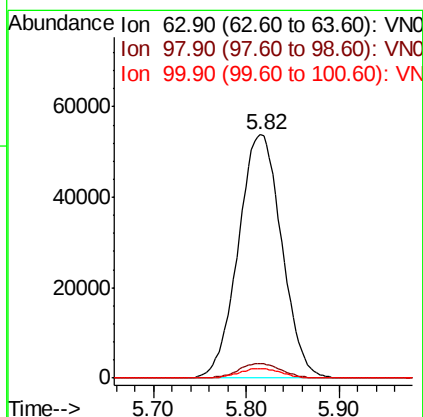
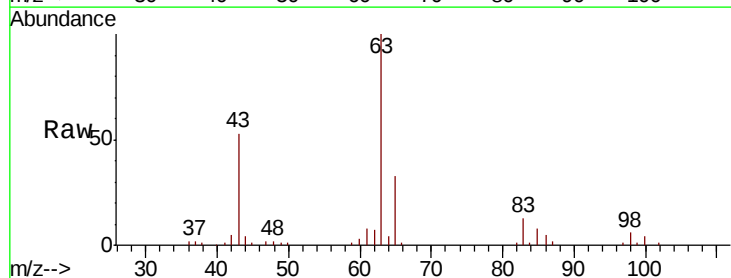
Instrument :
 MSVOA_N
 ClientSampleId :

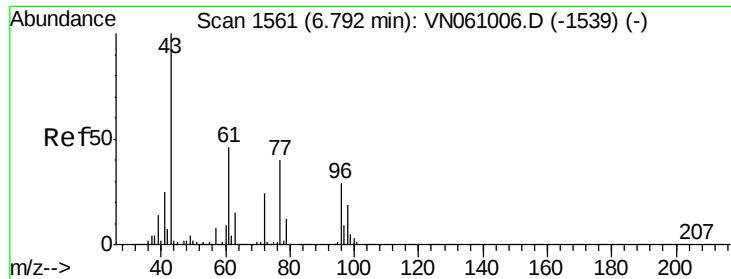
Tot Ion: 43 Resp: 1039239
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 51.433 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion: 63 Resp: 174799
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 263.861 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

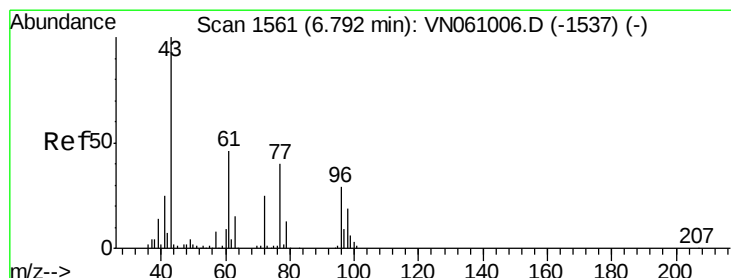
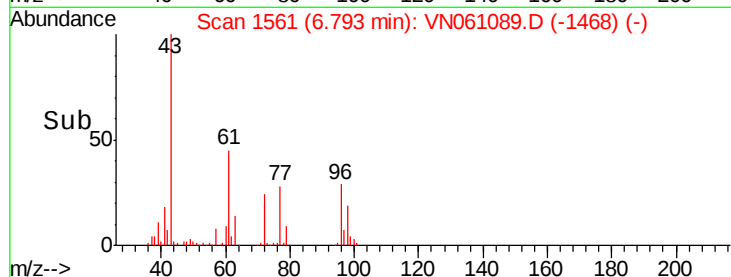
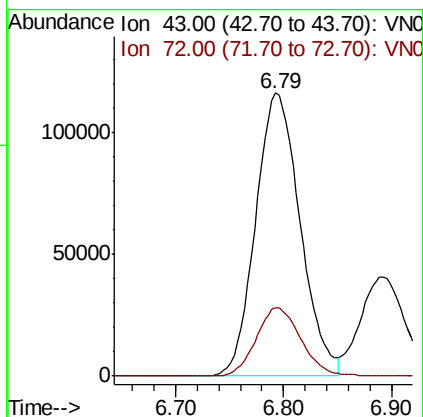
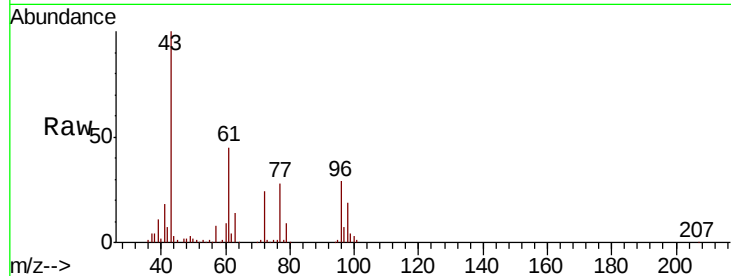
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 333185

Ion Ratio Lower Upper

43 100

72 24.1 19.6 29.4



#26

2,2-Dichloropropane

Concen: 36.194 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061089.D

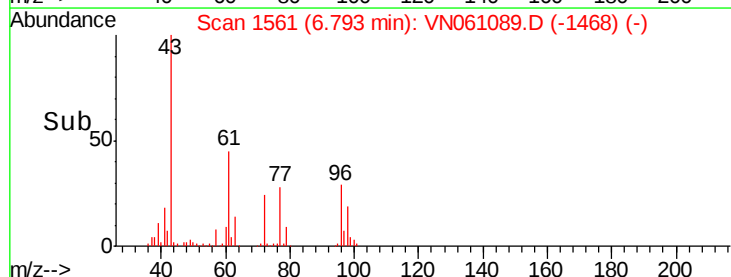
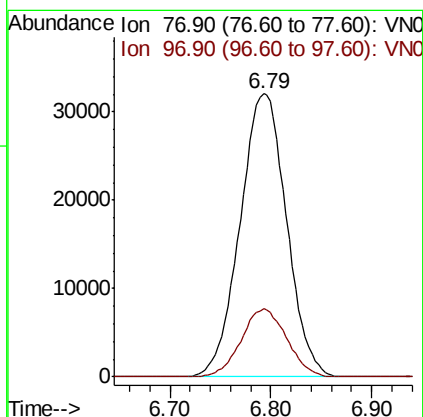
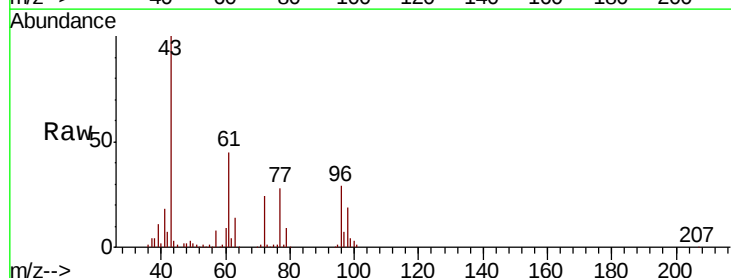
Acq: 18 Apr 2020 6:31

Tgt Ion: 77 Resp: 102418

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.6

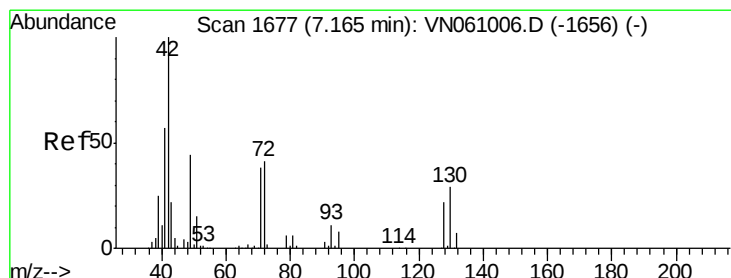
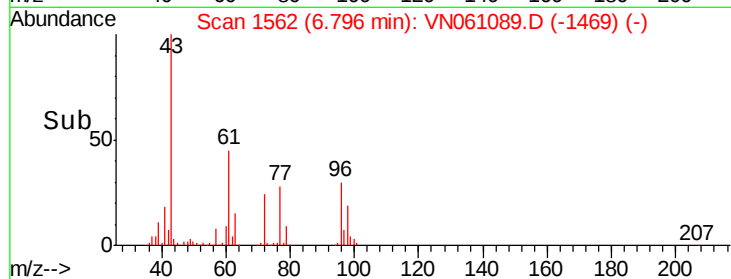
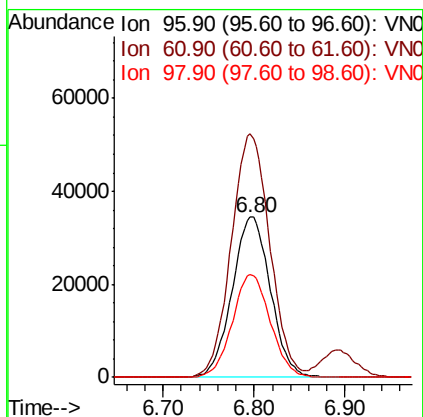
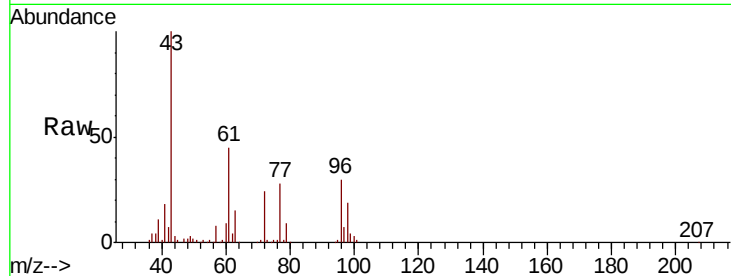




#27
 cis-1,2-Dichloroethene
 Concen: 51.262 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

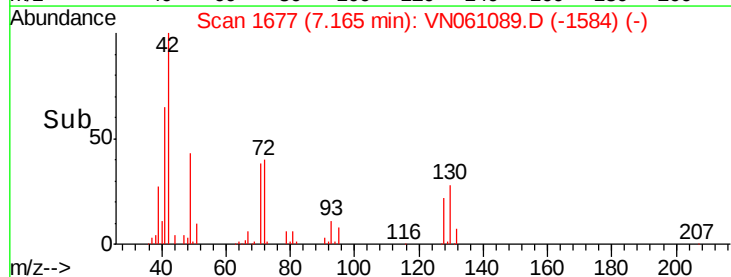
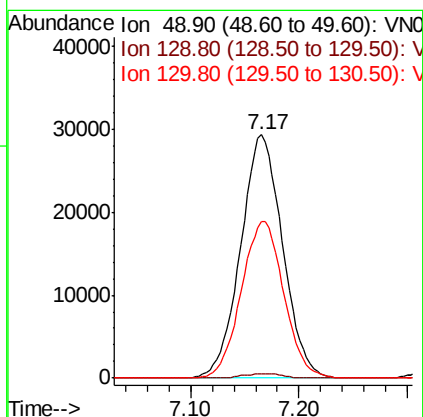
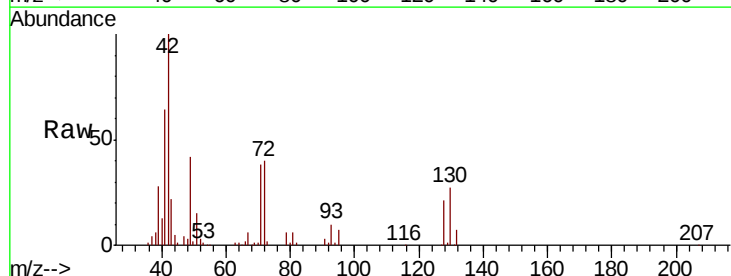
Instrument :
 MSVOA_N
 ClientSampleId :

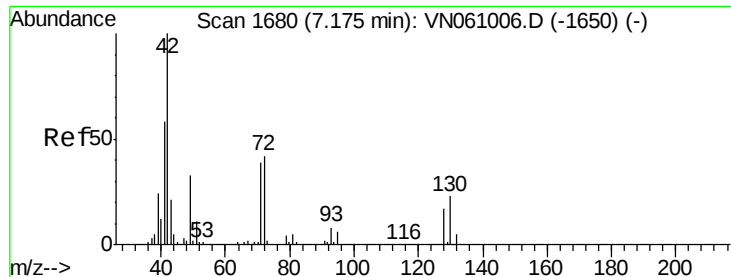
Tot Ion	96	Resp	100795
Ion	Ratio	Lower	Upper
96	100		
61	152.8	0.0	317.4
98	63.5	0.0	127.8



#28
 Bromochloromethane
 Concen: 50.801 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	49	Resp	79250
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	65.2	52.9	79.3

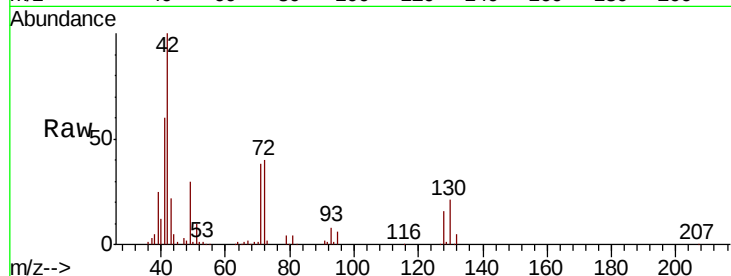




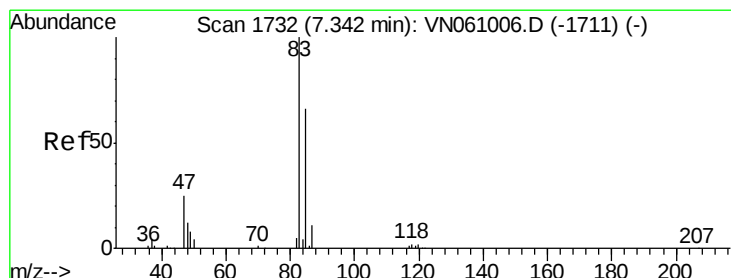
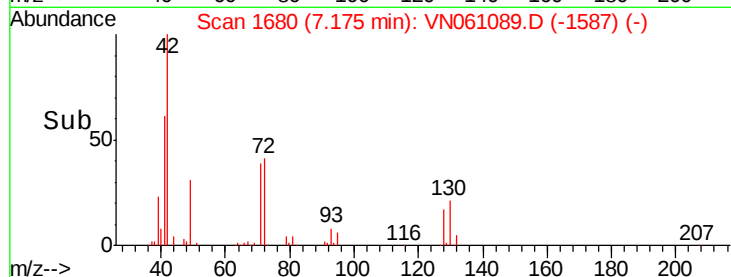
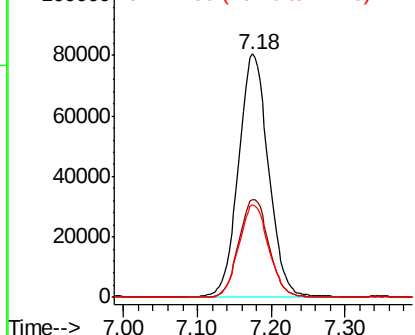
#29
Tetrahydrofuran
Concen: 267.899 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 229657
Ion Ratio Lower Upper
42 100
72 40.2 32.1 48.1
71 37.7 30.5 45.7

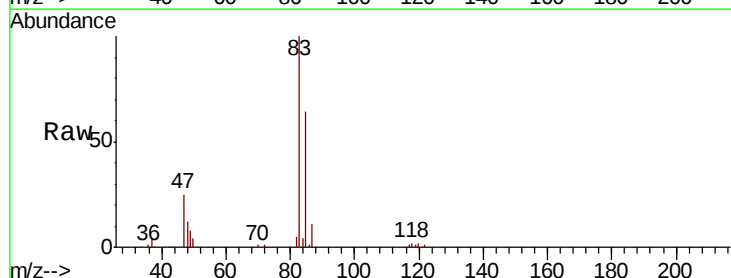


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

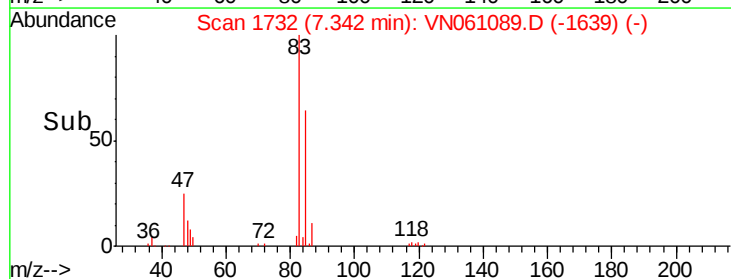
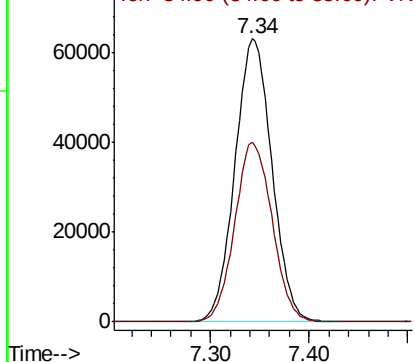


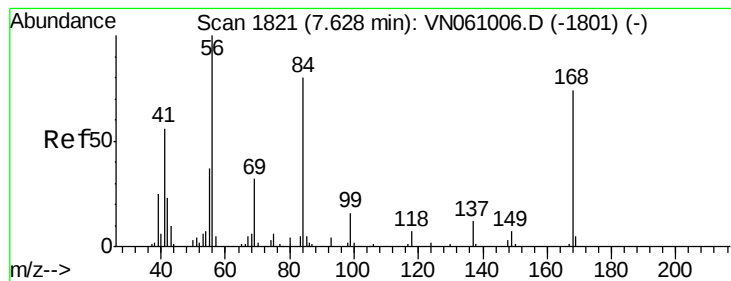
#30
Chloroform
Concen: 51.676 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 83 Resp: 163808
Ion Ratio Lower Upper
83 100
85 63.6 52.8 79.2



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





#31

Cyclohexane

Concen: 46.482 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :
MSVOA_N
ClientSampled :

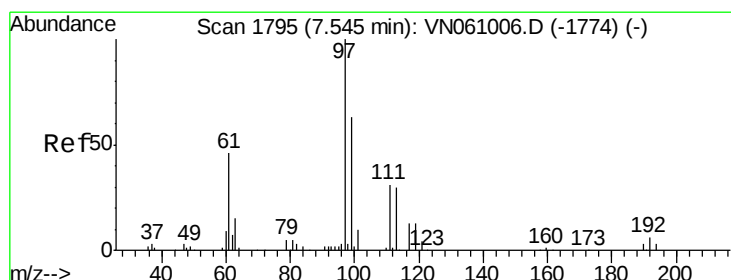
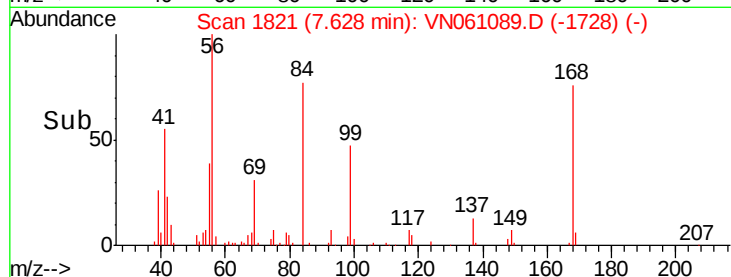
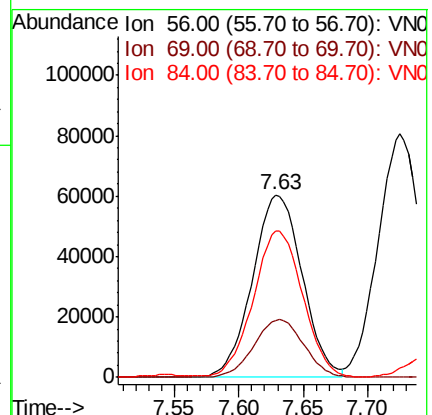
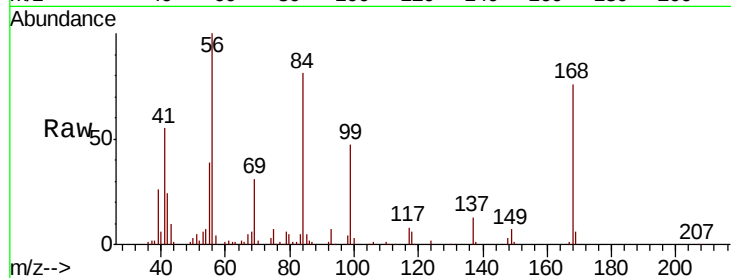
Tot Ion: 56 Resp: 162102

Ion Ratio Lower Upper

56 100

69 31.3 25.6 38.4

84 79.7 63.4 95.2



#32

1,1,1-Trichloroethane

Concen: 51.499 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

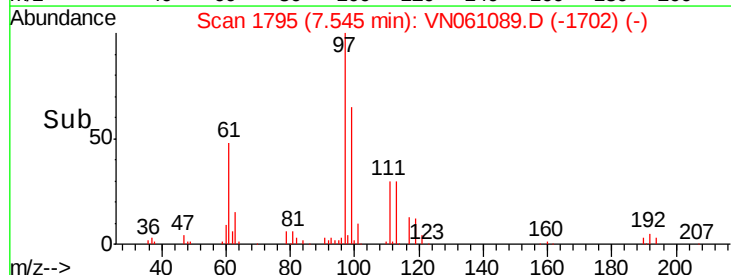
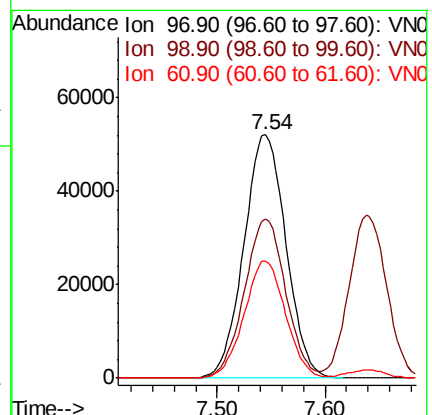
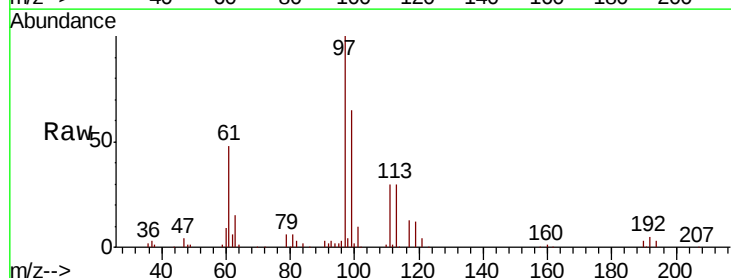
Tgt Ion: 97 Resp: 141207

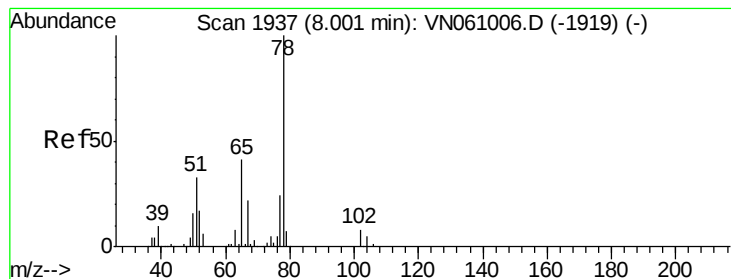
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 47.6 37.0 55.6





#33

1,2-Dichloroethane-d4

Concen: 48.901 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

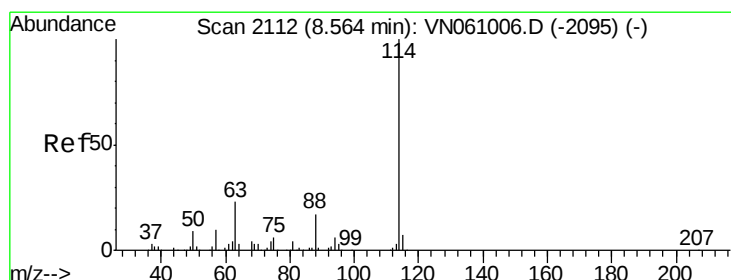
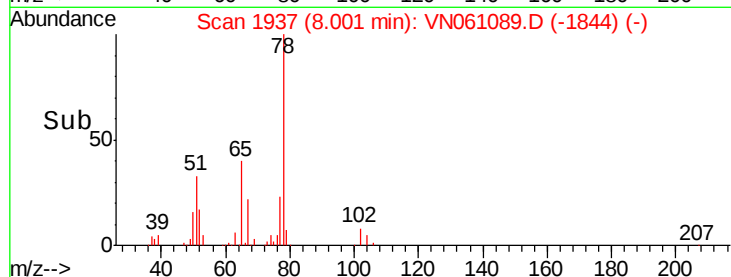
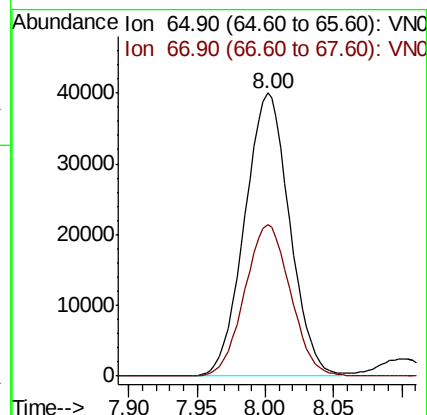
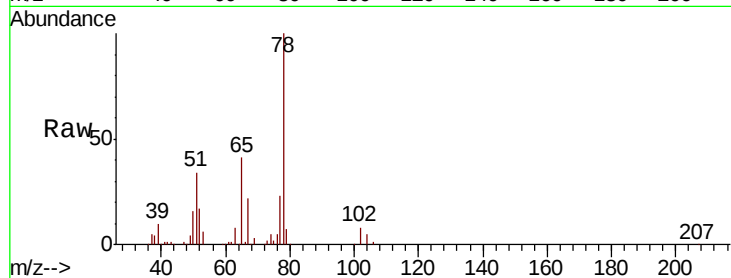
ClientSampled :

Tot Ion: 65 Resp: 91550

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

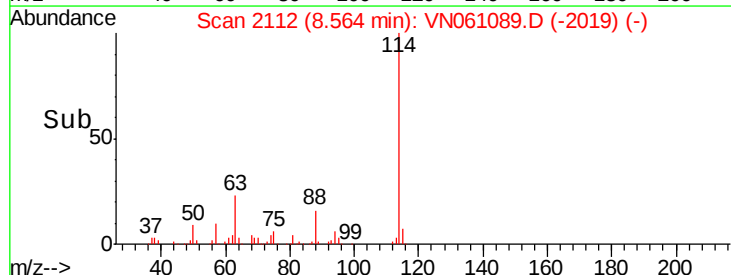
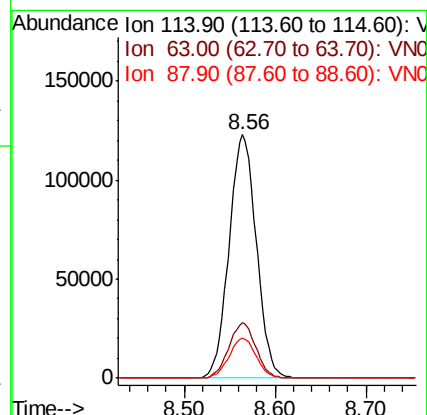
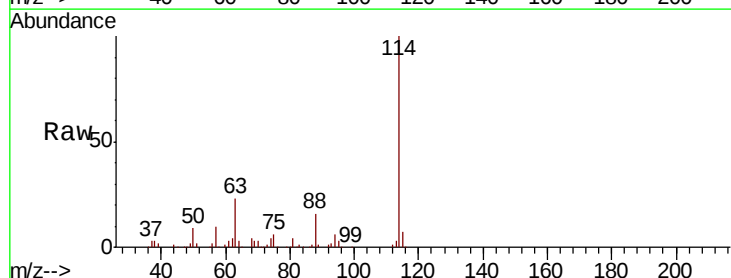
Tgt Ion: 114 Resp: 256023

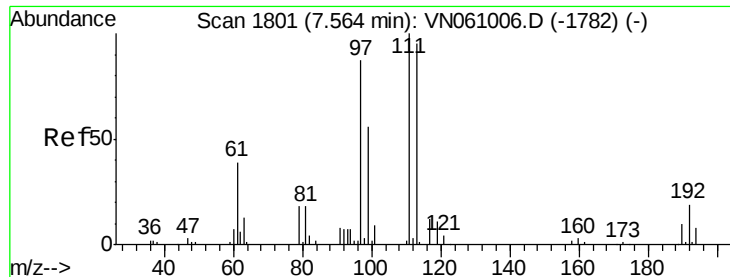
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.2

88 16.5 0.0 33.4

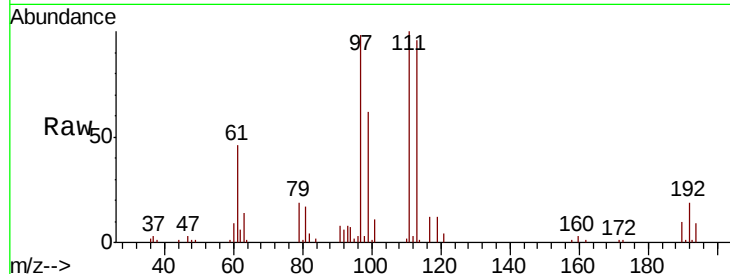




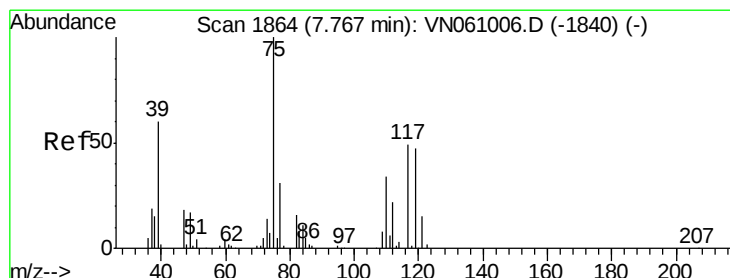
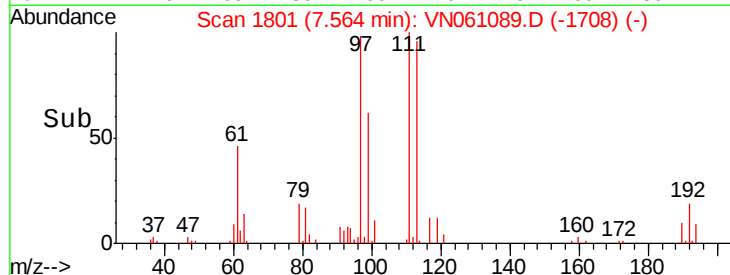
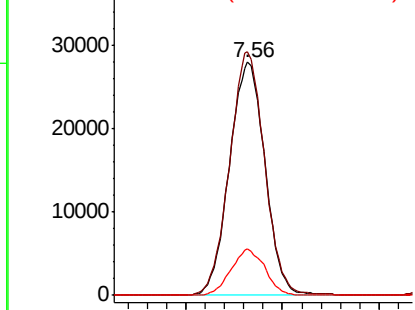
#35
 Dibromofluoromethane
 Concen: 47.807 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 71479
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.2
 192 18.8 15.5 23.3

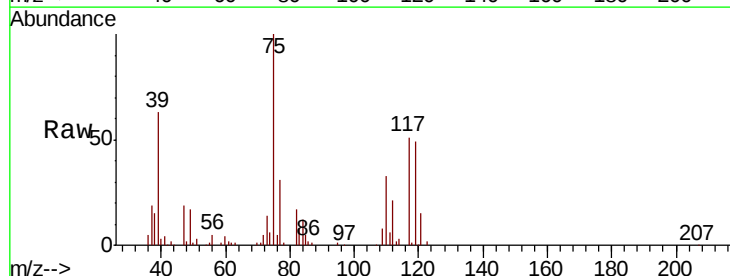


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

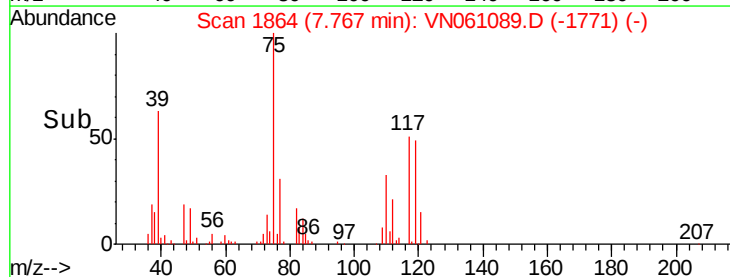
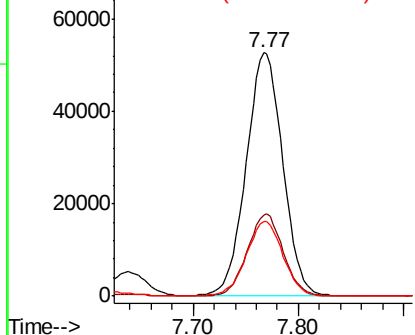


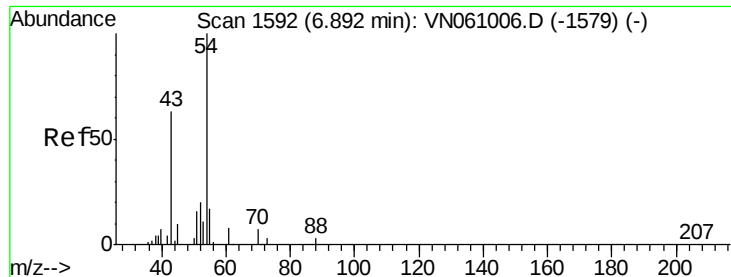
#36
 1,1-Dichloropropene
 Concen: 48.302 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion: 75 Resp: 127611
 Ion Ratio Lower Upper
 75 100
 110 33.0 16.8 50.3
 77 30.8 24.7 37.1



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

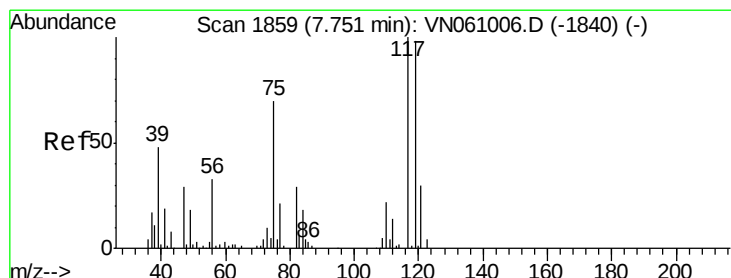
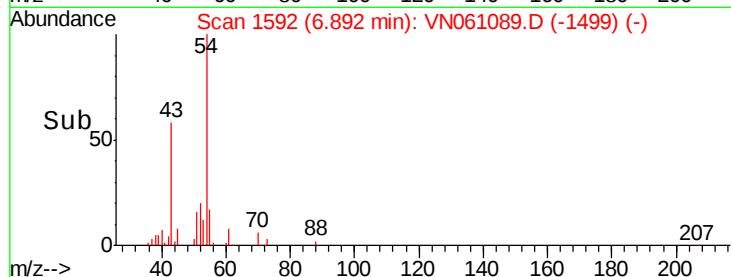
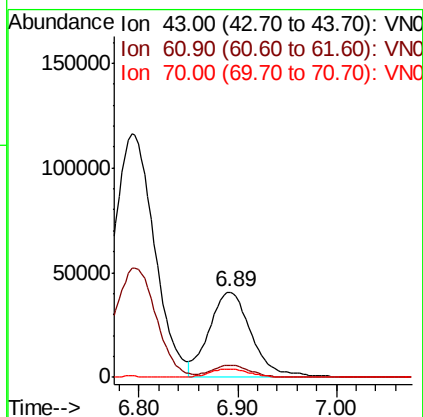
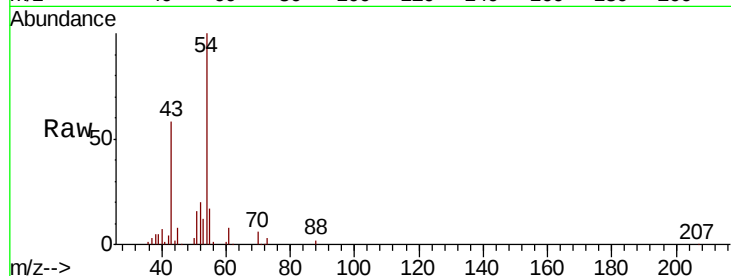




#37
Ethyl Acetate
Concen: 41.873 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

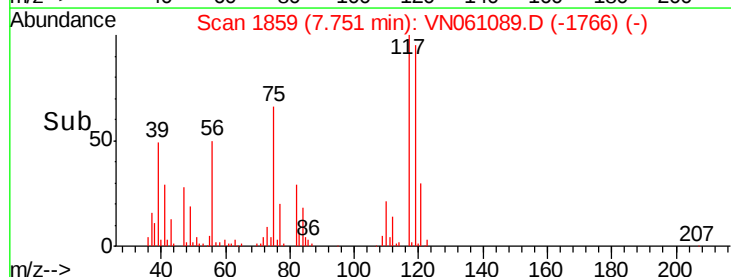
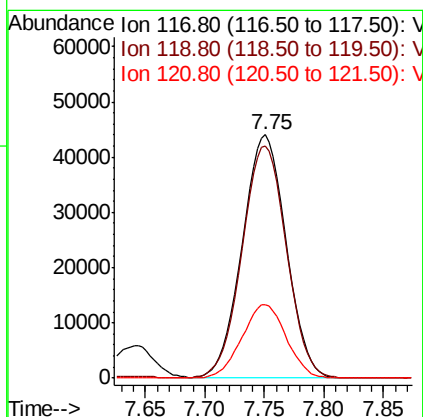
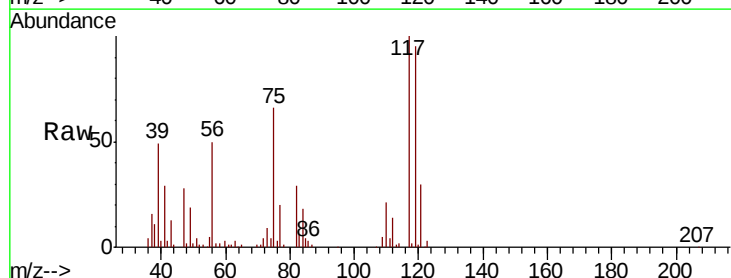
Instrument :
MSVOA_N
ClientSampled :

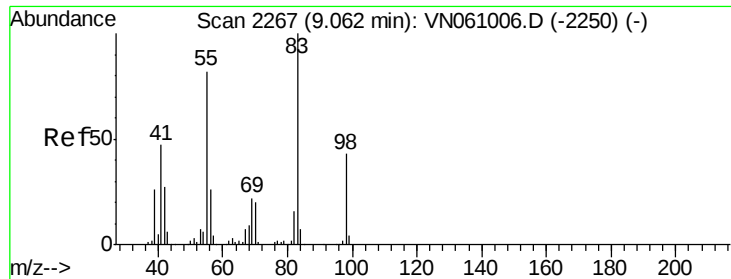
Tot Ion: 43 Resp: 120120
Ion Ratio Lower Upper
43 100
61 13.3 10.9 16.3
70 9.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 51.228 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 117 Resp: 112654
Ion Ratio Lower Upper
117 100
119 95.5 78.1 117.1
121 30.2 24.0 36.0

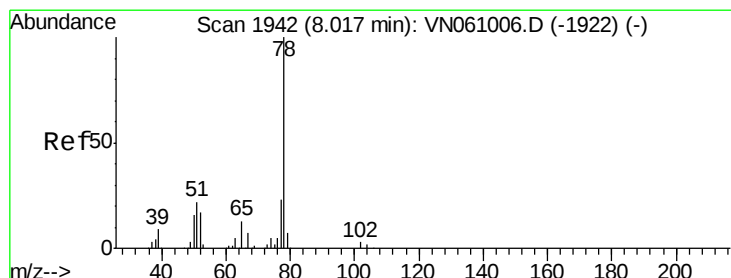
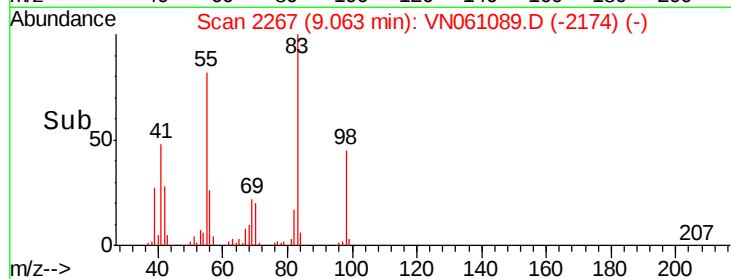
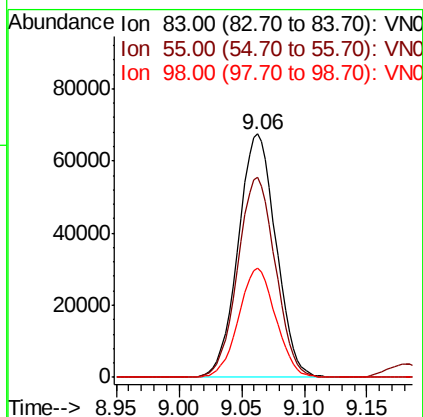
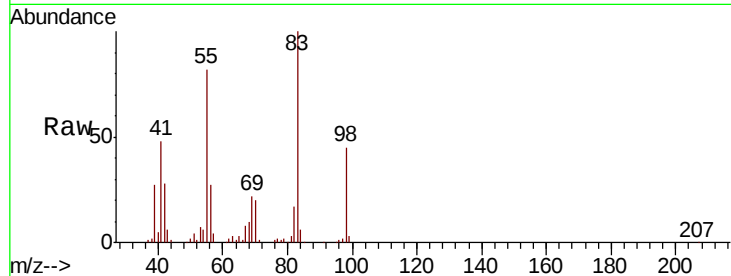




#39
Methvlcvclohexane
Concen: 44.789 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

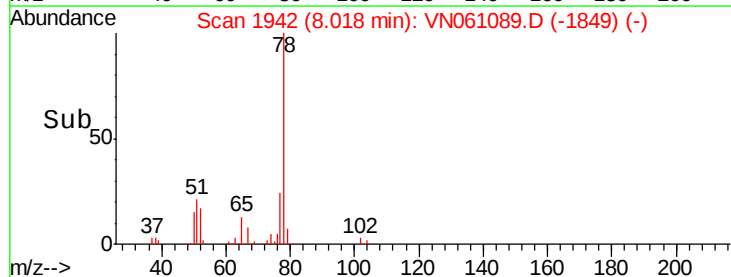
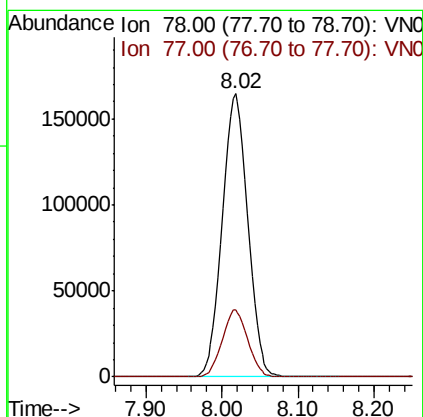
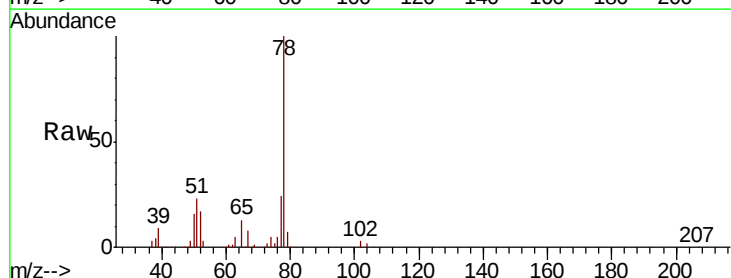
Instrument :
MSVOA_N
ClientSampled :

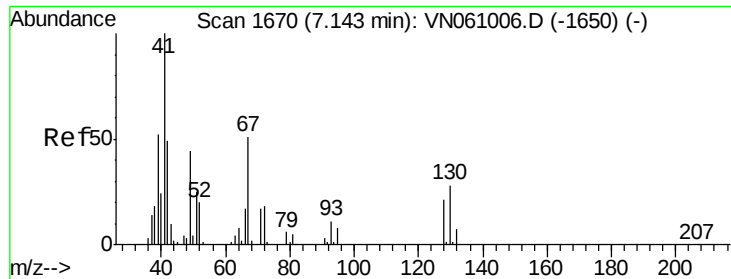
Tot Ion: 83 Resp: 141470
Ion Ratio Lower Upper
83 100
55 82.0 65.4 98.0
98 44.7 34.6 51.8



#40
Benzene
Concen: 49.378 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 78 Resp: 387010
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

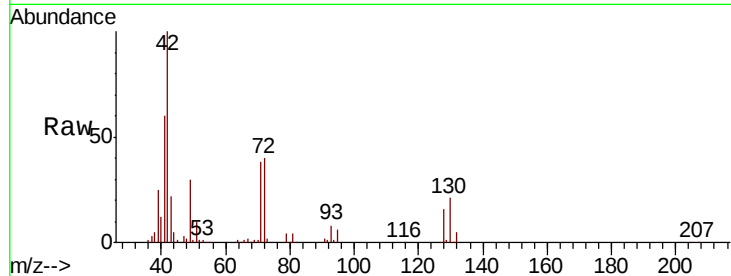




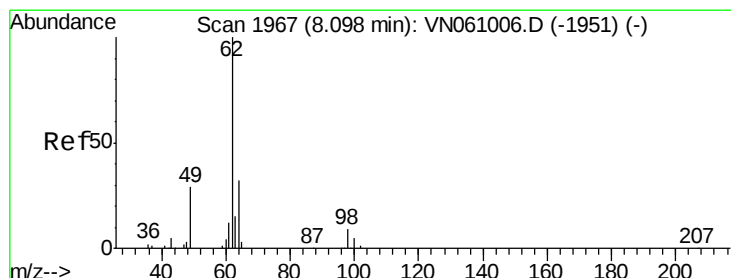
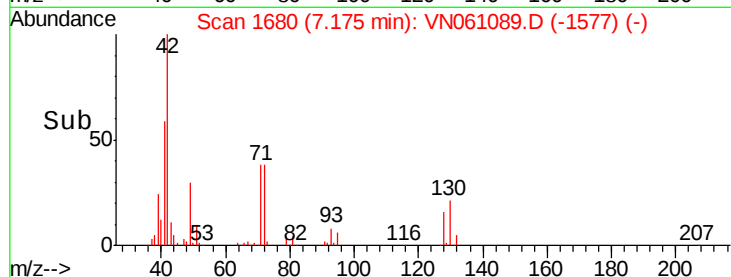
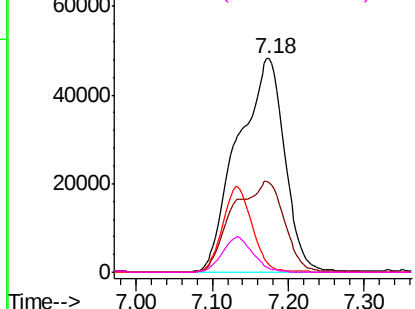
#41
Methacrylonitrile
Concen: 172.874 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	206850
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

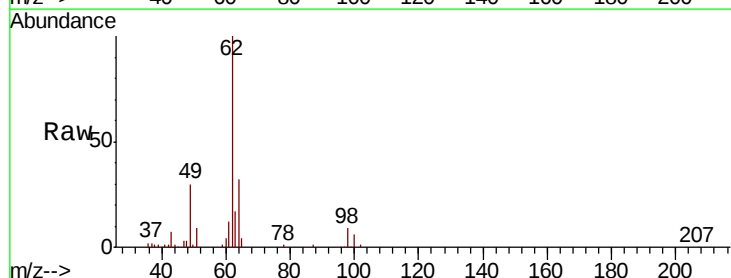


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

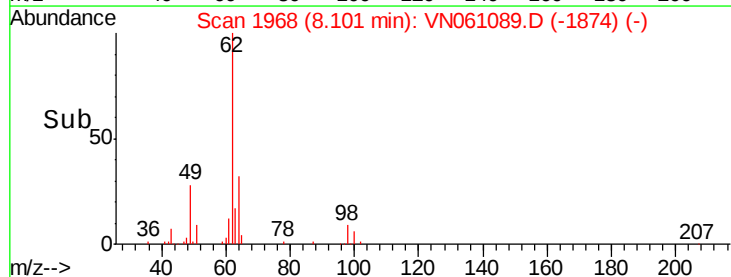
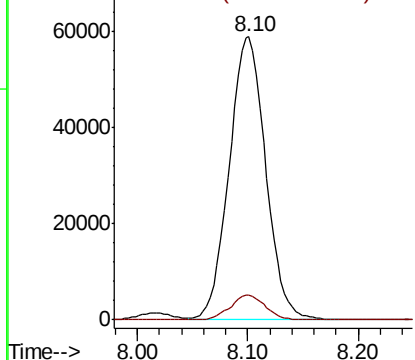


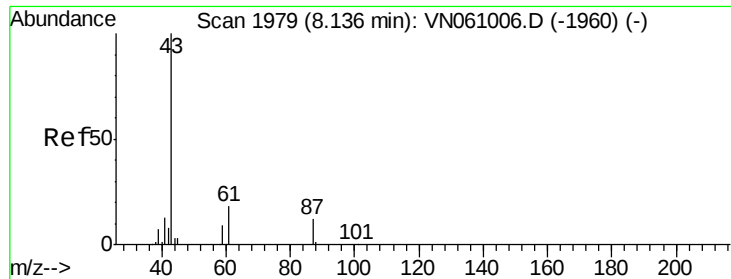
#42
1,2-Dichloroethane
Concen: 50.581 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion:	62	Resp:	135051
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2



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





#43

Isopropyl Acetate

Concen: 45.646 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

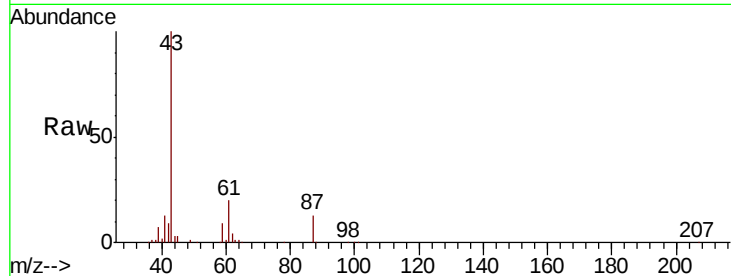
Tot Ion: 43 Resp: 212964

Ion Ratio Lower Upper

43 100

61 25.9 20.3 30.5

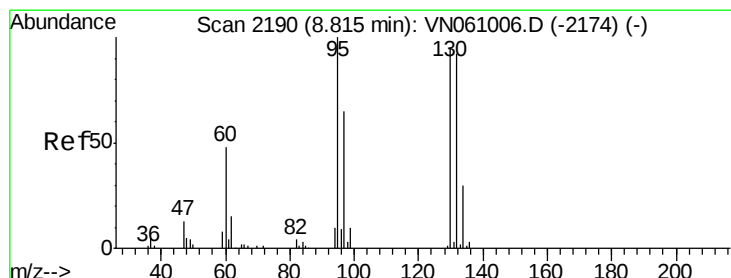
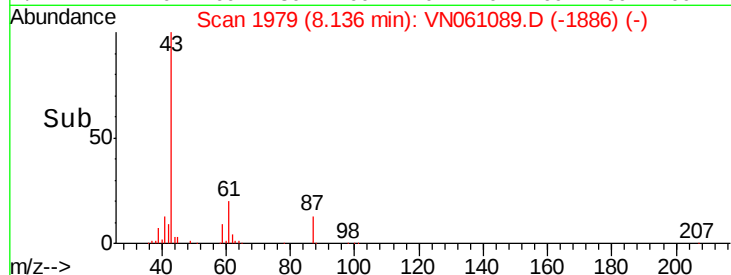
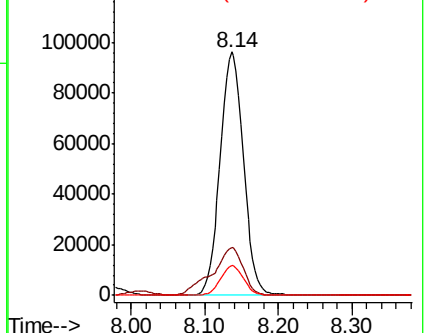
87 11.9 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN061089.D (-1886) (-)

Ion 61.00 (60.70 to 61.70): VN061089.D (-1886) (-)

Ion 87.00 (86.70 to 87.70): VN061089.D (-1886) (-)



#44

Trichloroethene

Concen: 48.113 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061089.D

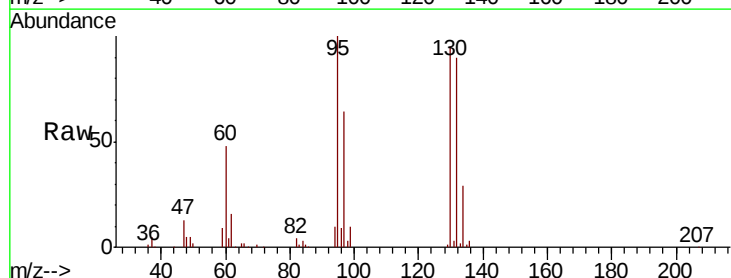
Acq: 18 Apr 2020 6:31

Tgt Ion: 130 Resp: 94753

Ion Ratio Lower Upper

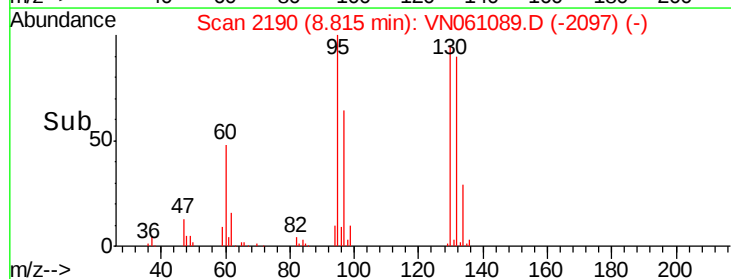
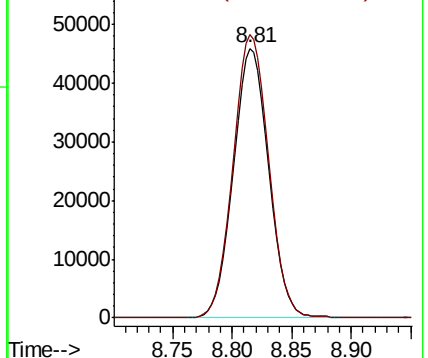
130 100

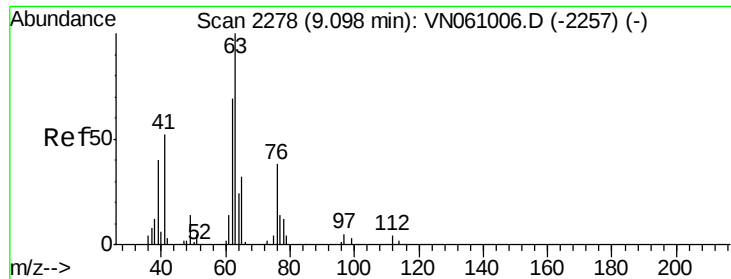
95 104.9 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061089.D (-2097) (-)

Ion 94.90 (94.60 to 95.60): VN061089.D (-2097) (-)

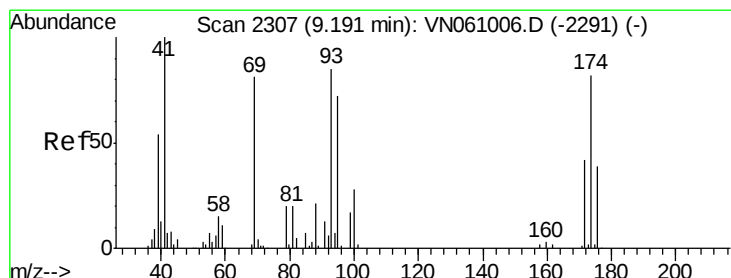
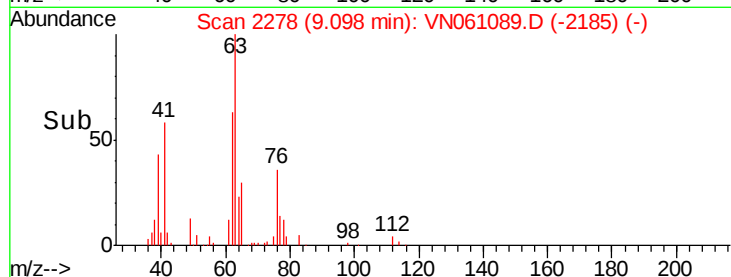
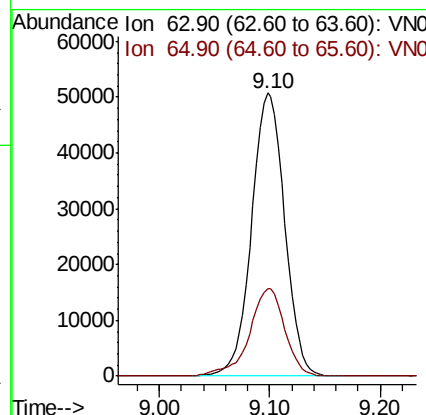
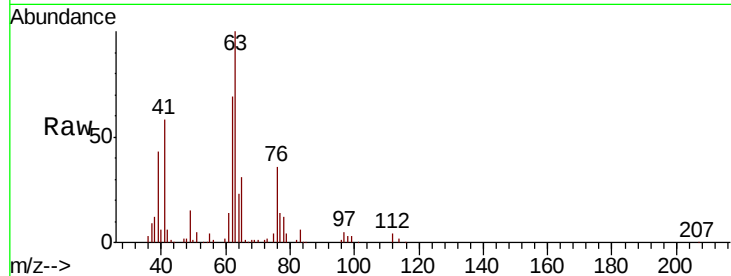




#45
 1,2-Dichloropropane
 Concen: 49.764 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

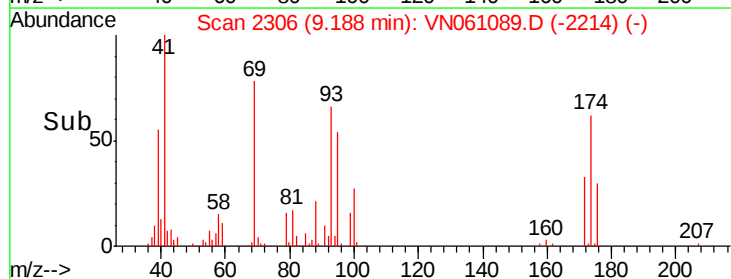
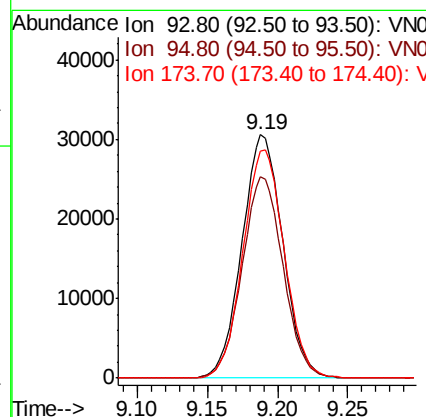
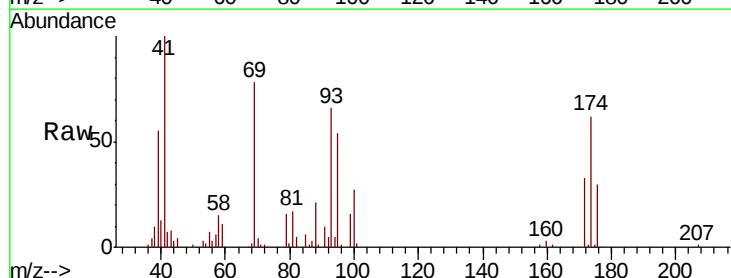
Instrument :
 MSVOA_N
 ClientSampled :

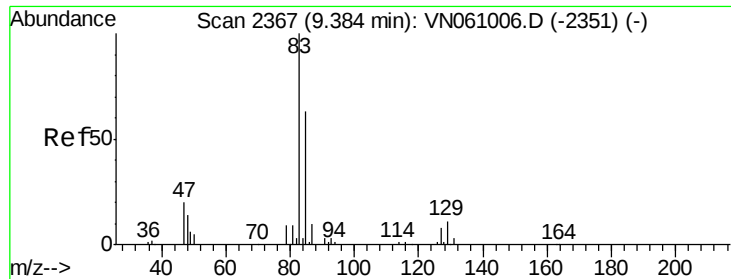
Tot Ion: 63 Resp: 105349
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.2 37.8



#46
 Dibromomethane
 Concen: 50.966 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion: 93 Resp: 62207
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.8 100.2
 174 94.7 76.2 114.4

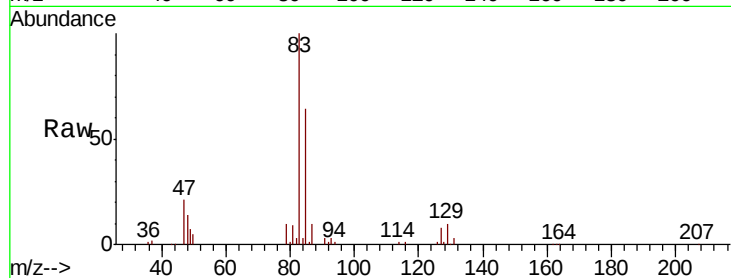




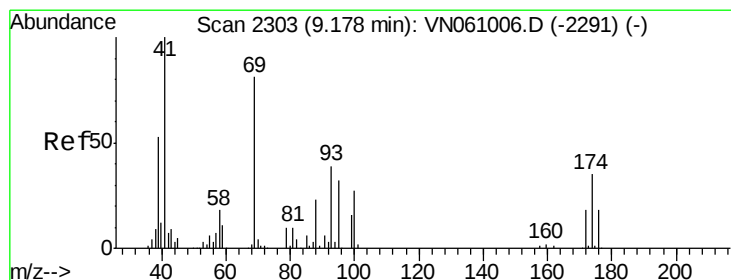
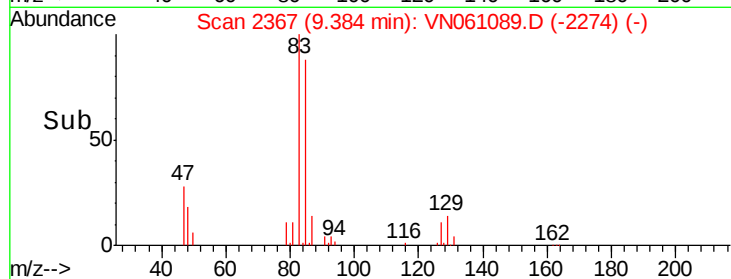
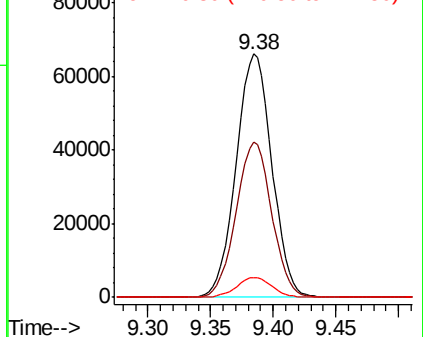
#47
Bromodichloromethane
Concen: 50.804 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 130998
Ion Ratio Lower Upper
83 100
85 63.8 50.6 76.0
127 8.2 6.1 9.1

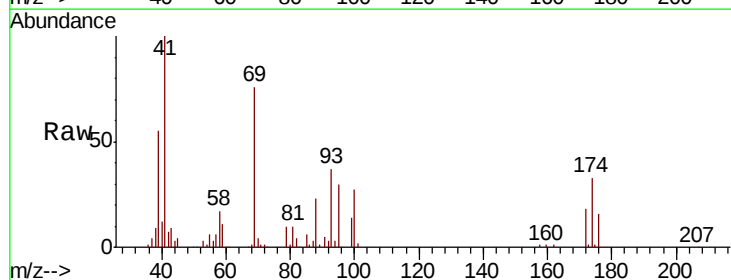


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

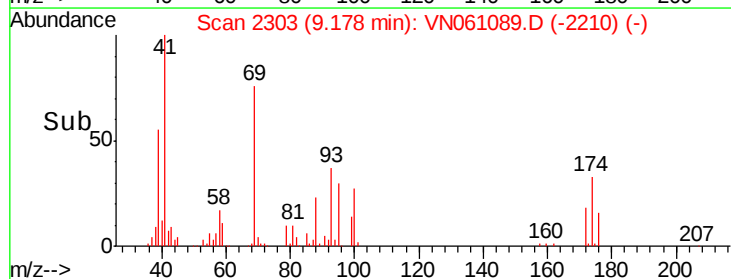
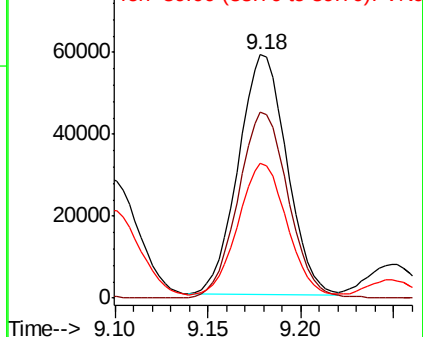


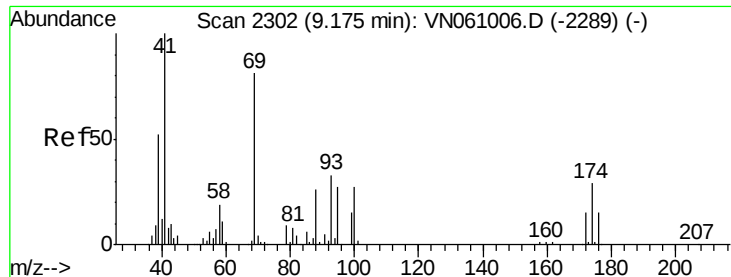
#48
Methyl methacrylate
Concen: 52.075 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 41 Resp: 107370
Ion Ratio Lower Upper
41 100
69 79.9 65.3 97.9
39 57.7 45.2 67.8



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

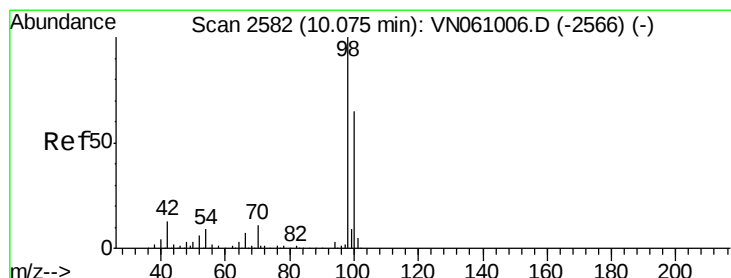
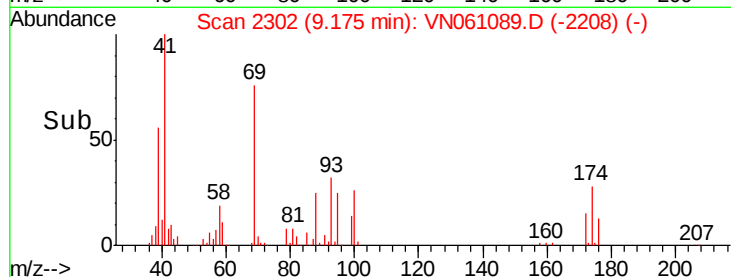
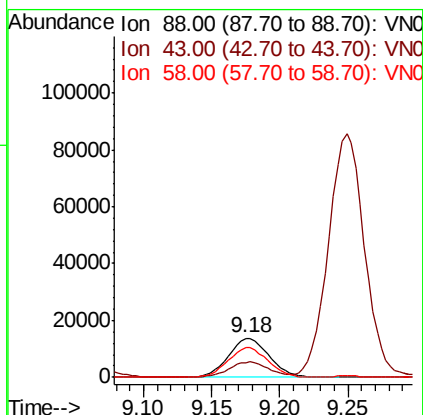
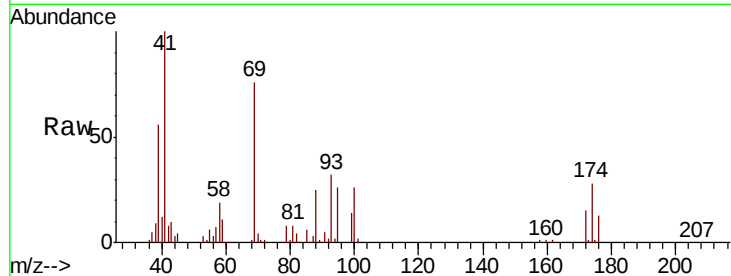




#49
1,4-Dioxane
Concen: 995.597 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

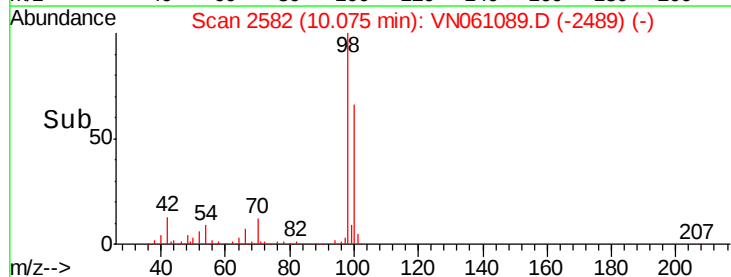
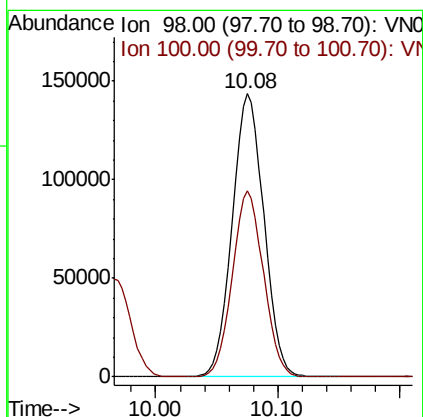
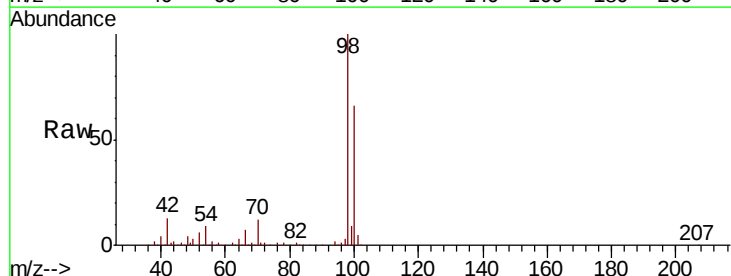
Instrument :
MSVOA_N
ClientSampled :

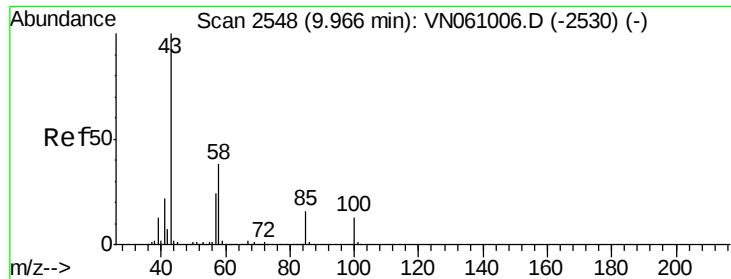
Tot Ion: 88 Resp: 28501
Ion Ratio Lower Upper
88 100
43 38.7 30.9 46.3
58 74.7 59.8 89.8



#50
Toluene-d8
Concen: 45.799 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 98 Resp: 258758
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

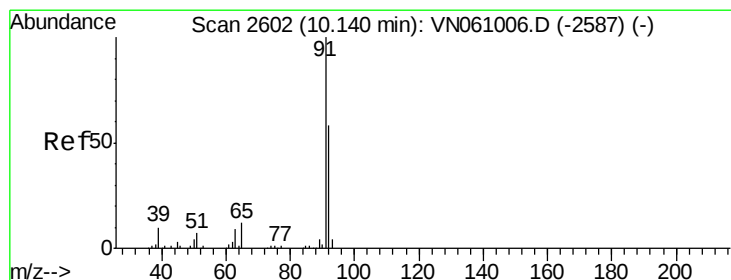
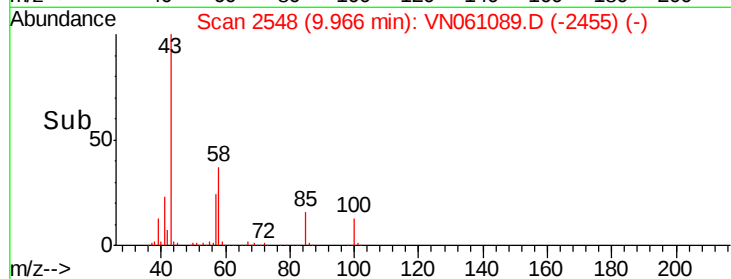
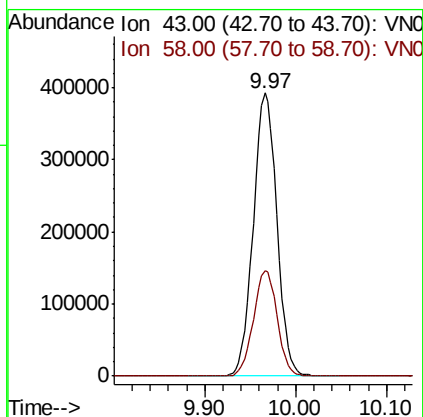
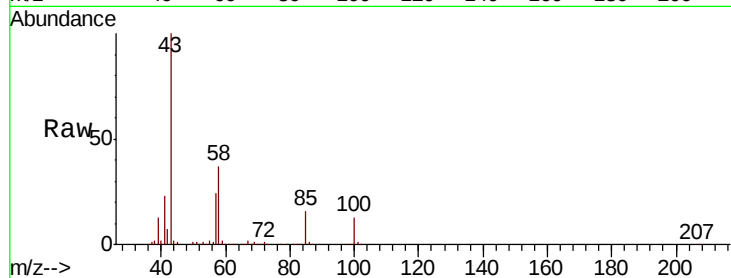




#51
4-Methyl-2-Pentanone
Concen: 262.525 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

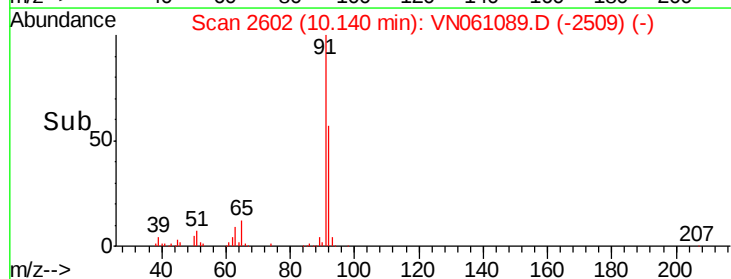
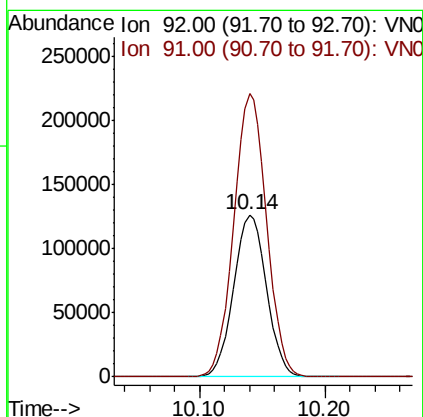
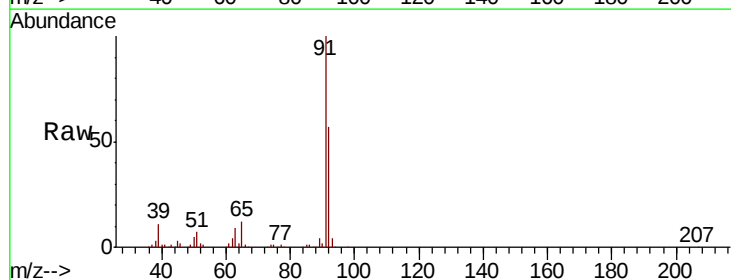
Instrument :
MSVOA_N
ClientSampled :

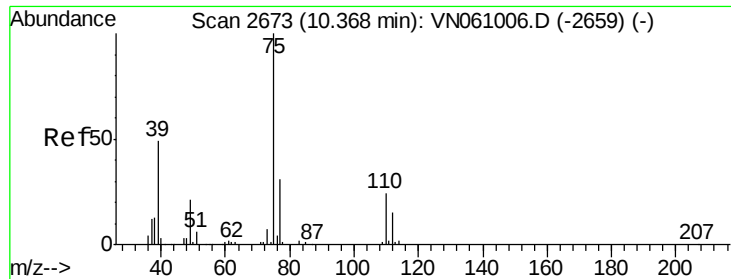
Tot Ion: 43 Resp: 706076
Ion Ratio Lower Upper
43 100
58 37.5 30.3 45.5



#52
Toluene
Concen: 48.949 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 92 Resp: 230154
Ion Ratio Lower Upper
92 100
91 174.0 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 48.455 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

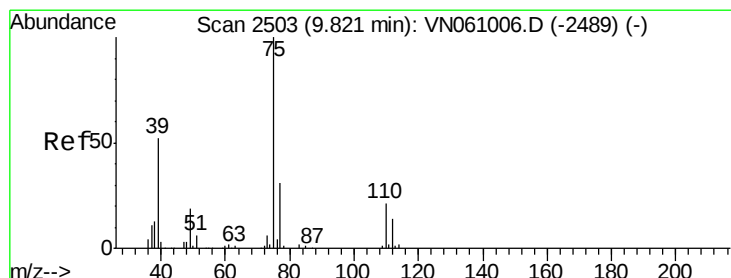
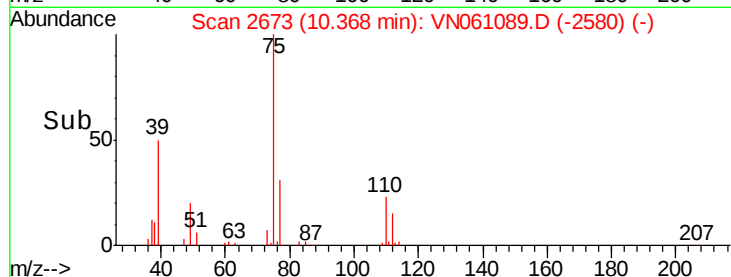
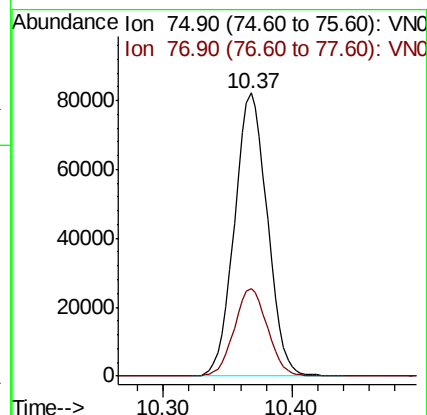
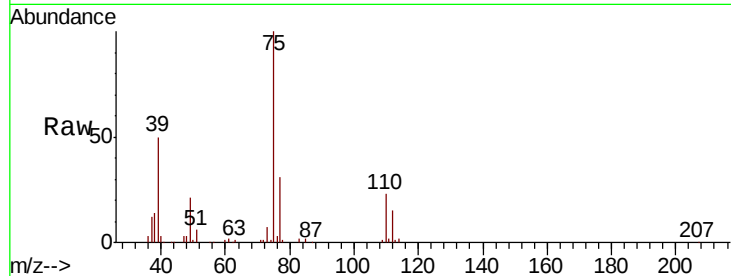
ClientSampleId :

Tot Ion: 75 Resp: 145130

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 46.449 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

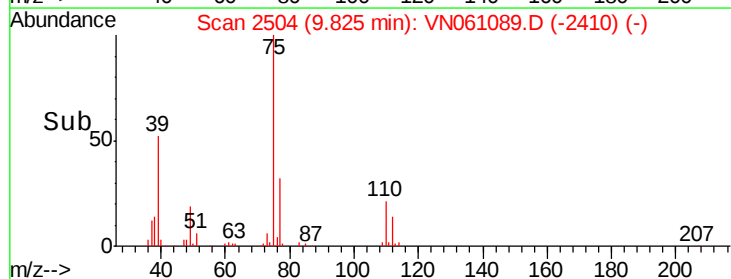
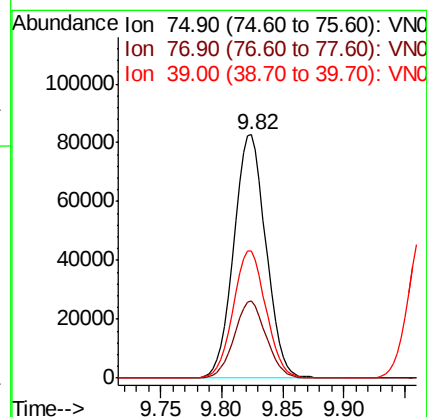
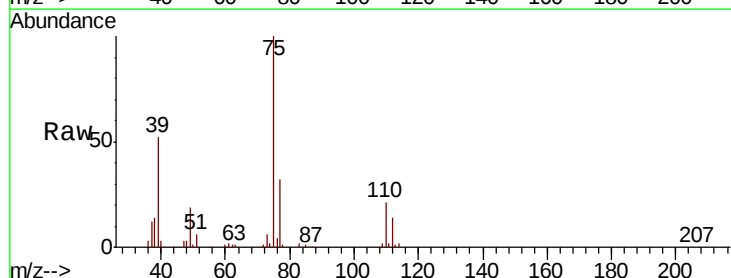
Tgt Ion: 75 Resp: 151792

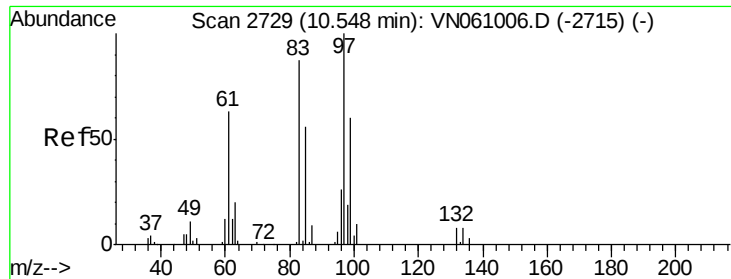
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.6

39 52.3 41.4 62.2

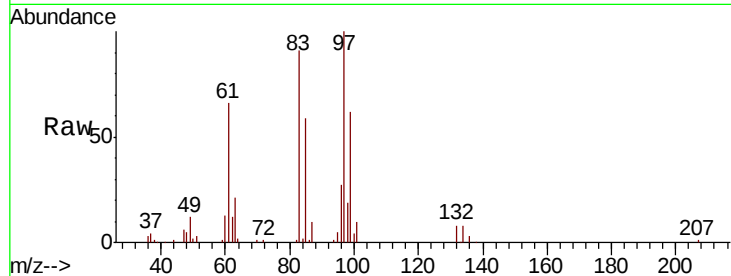




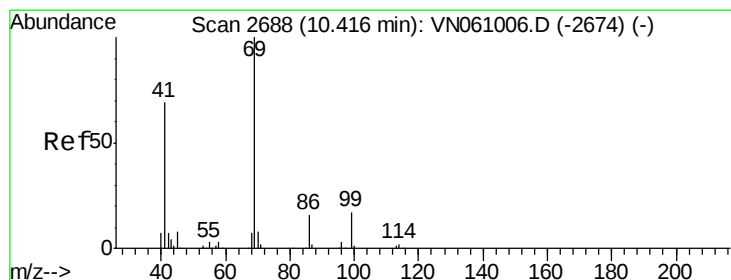
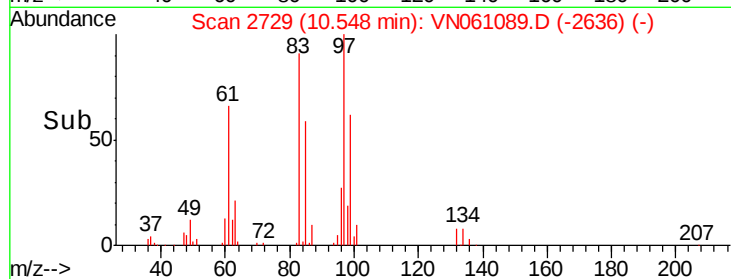
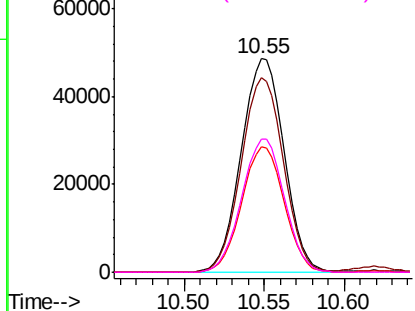
#55
 1,1,2-Trichloroethane
 Concen: 50.023 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	89010
Ion	Ratio	Lower	Upper
97	100		
83	91.2	69.5	104.3
85	58.6	45.0	67.4
99	62.3	47.9	71.9

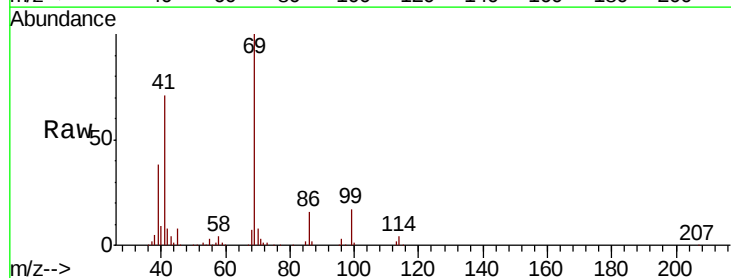


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

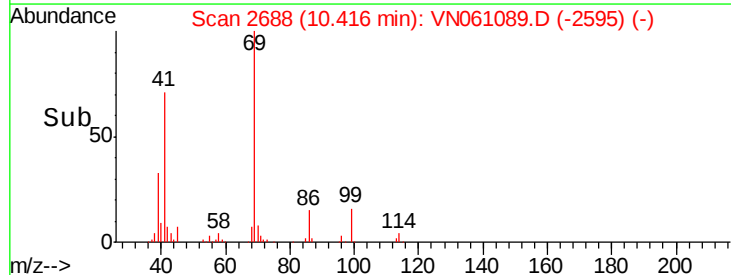
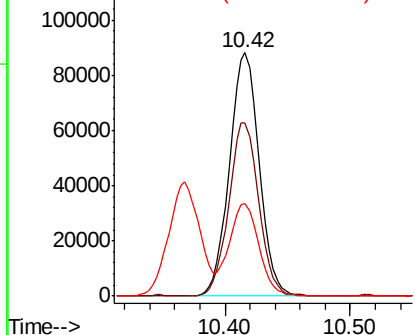


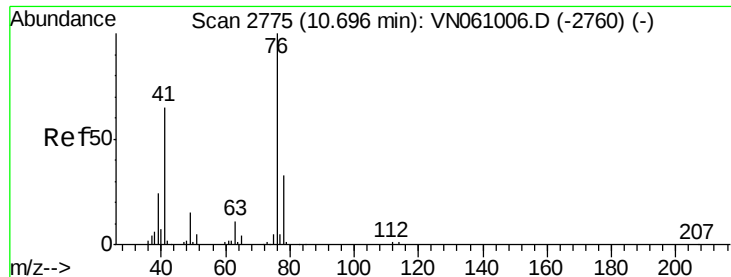
#56
 Ethyl methacrylate
 Concen: 51.936 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion:	69	Resp:	145319
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.7	85.1
39	37.6	29.4	44.0



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

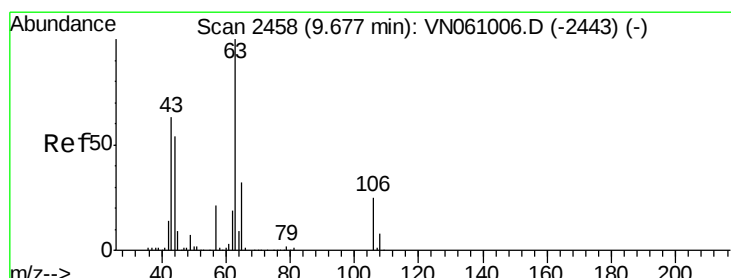
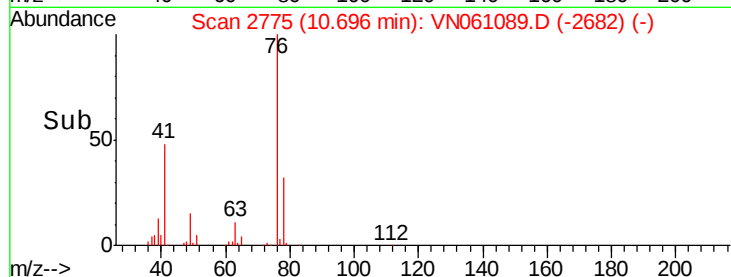
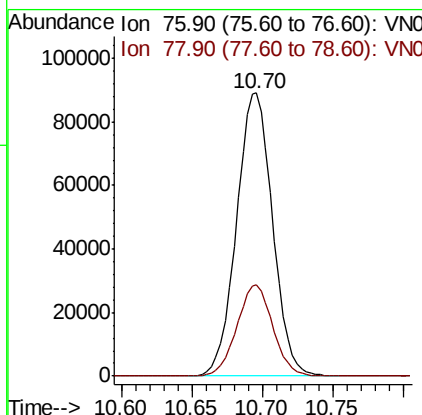
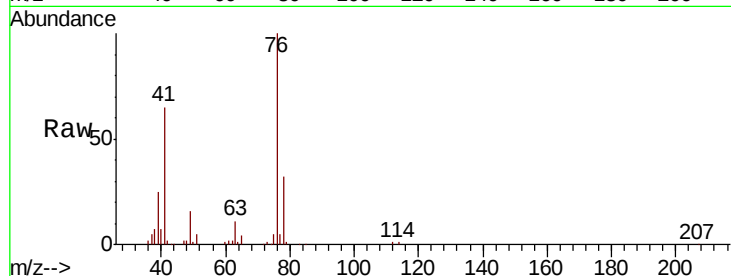




#57
 1,3-Dichloropropane
 Concen: 50.179 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

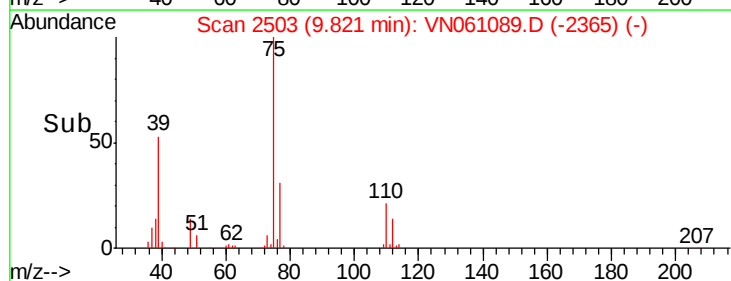
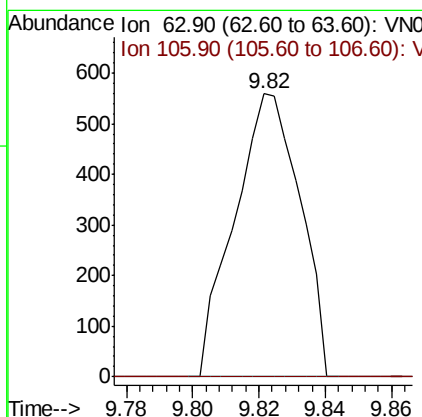
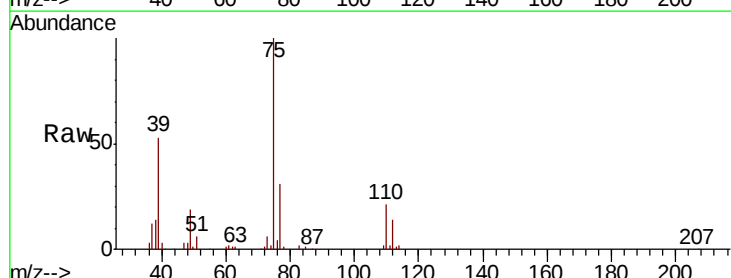
Instrument :
 MSVOA_N
 ClientSampled :

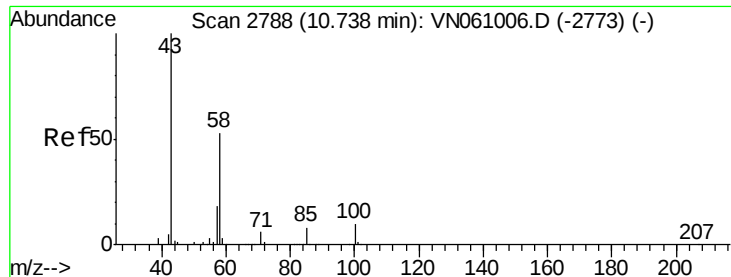
Tot Ion: 76 Resp: 159261
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.606 ug/l
 RT: 9.82 min Scan# 2503
 Delta R.T. 0.14 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion: 63 Resp: 770
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.5 29.3#

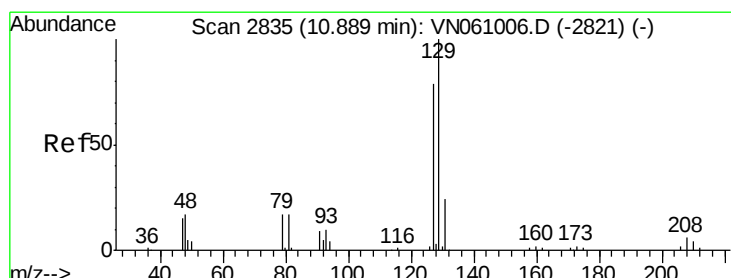
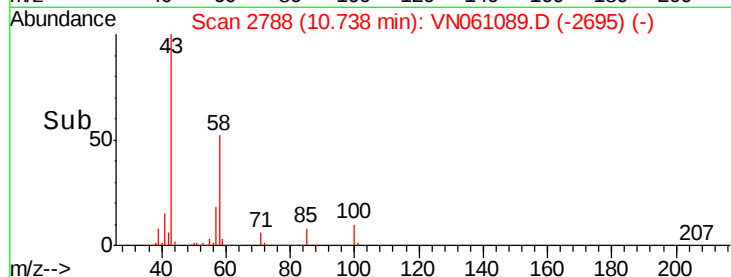
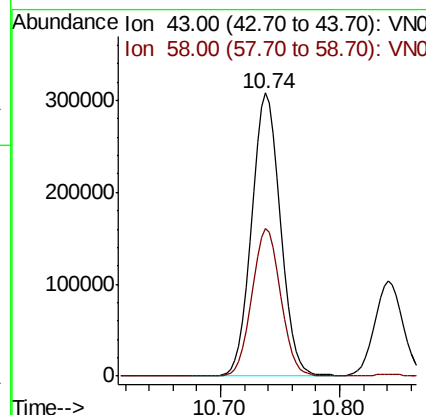
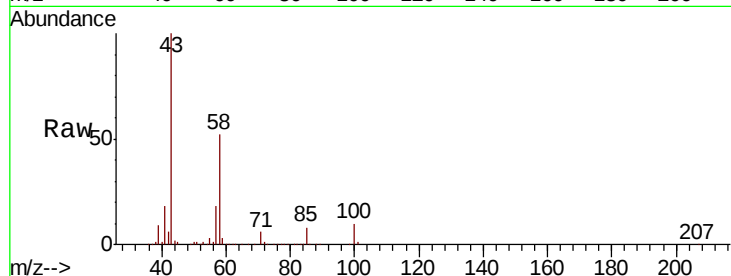




#59
2-Hexanone
Concen: 265.828 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

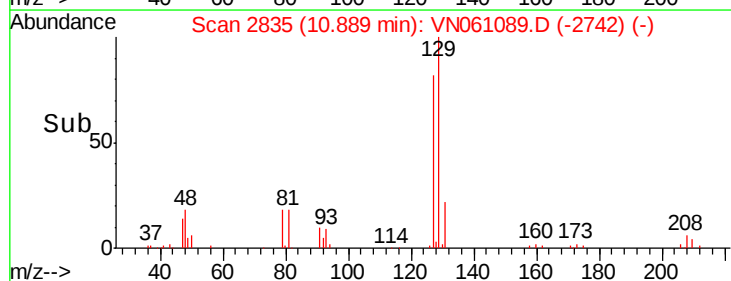
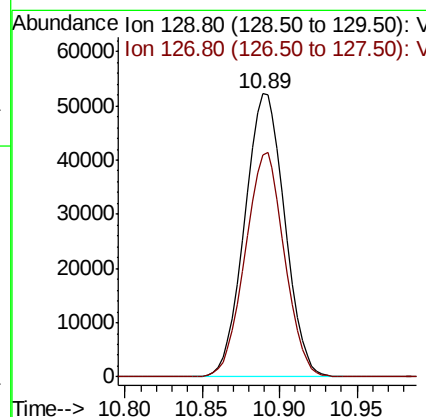
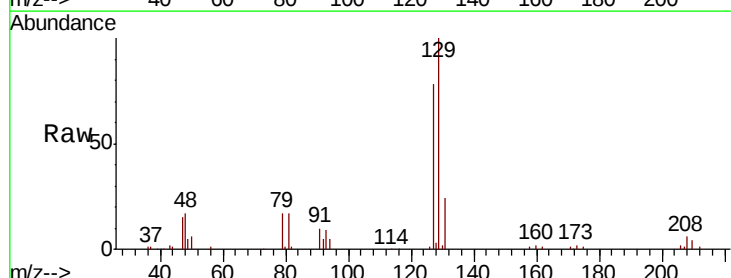
Instrument :
MSVOA_N
ClientSampleId :

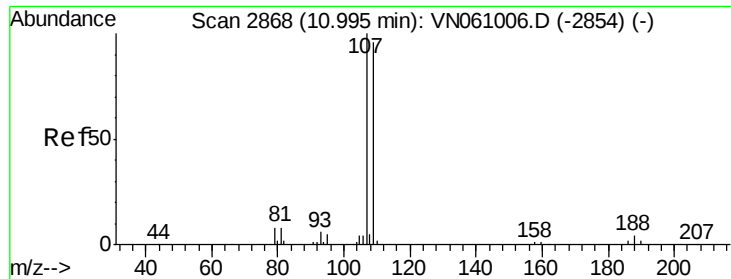
Tot Ion: 43 Resp: 515615
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0



#60
Dibromochloromethane
Concen: 51.506 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 129 Resp: 94145
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9

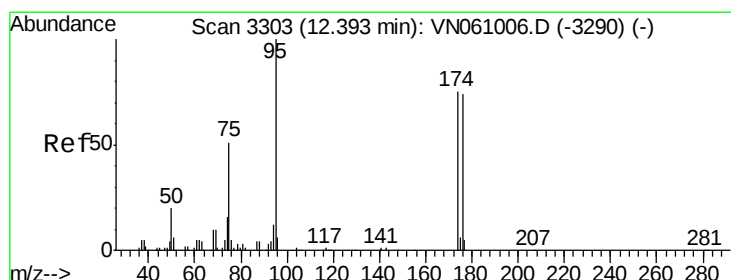
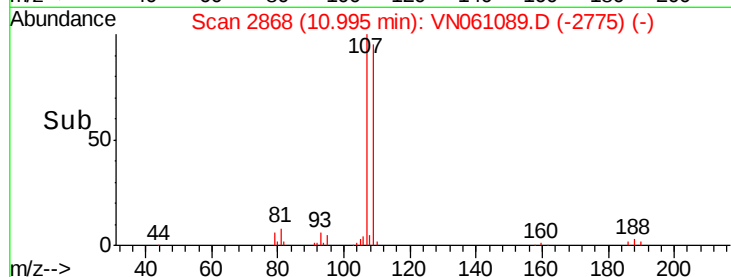
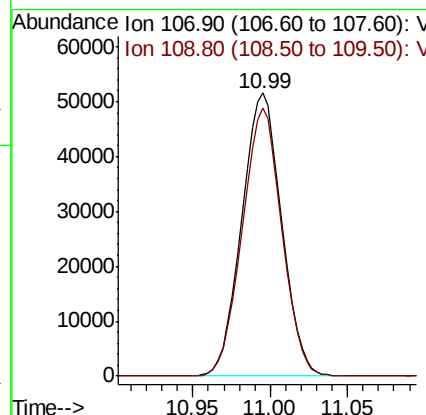
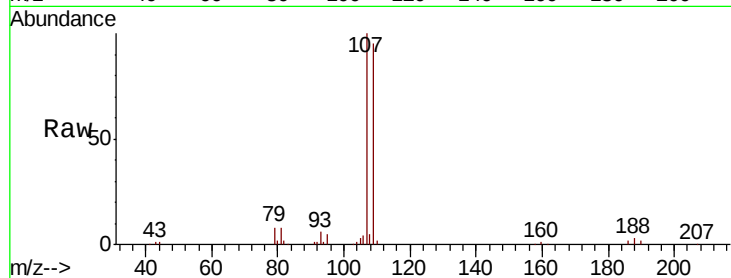




#61
 1,2-Dibromoethane
 Concen: 50.874 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

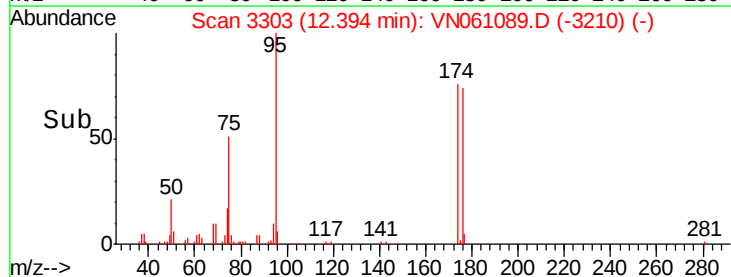
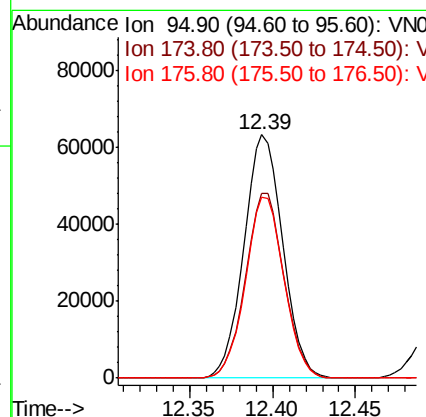
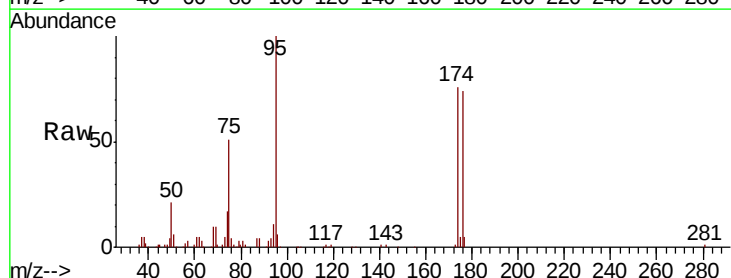
Instrument :
 MSVOA_N
 ClientSampled :

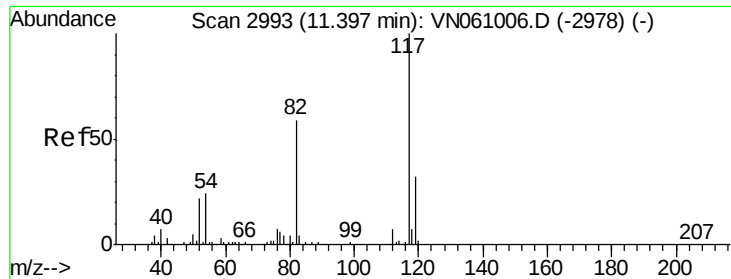
Tot Ion: 107 Resp: 92243
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.622 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion: 95 Resp: 103236
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 151.2
 176 73.7 0.0 148.2

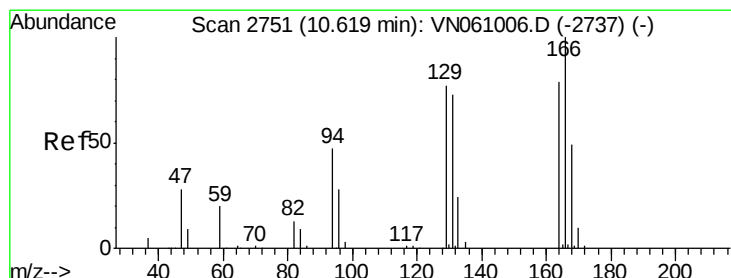
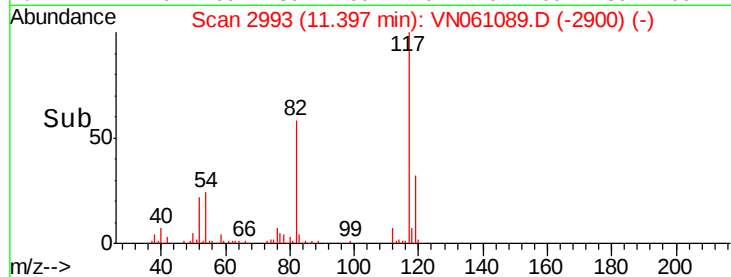
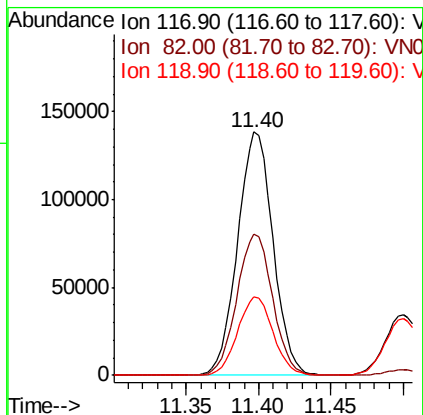
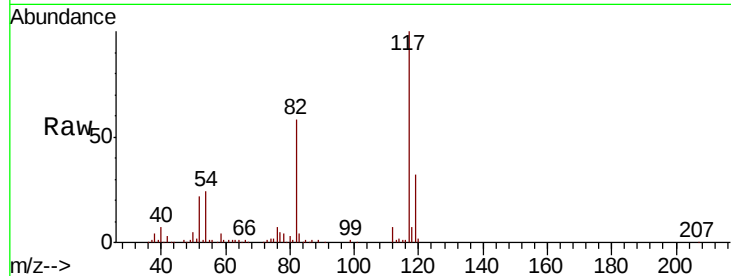




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

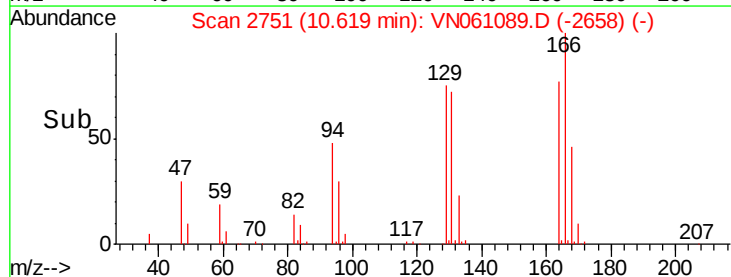
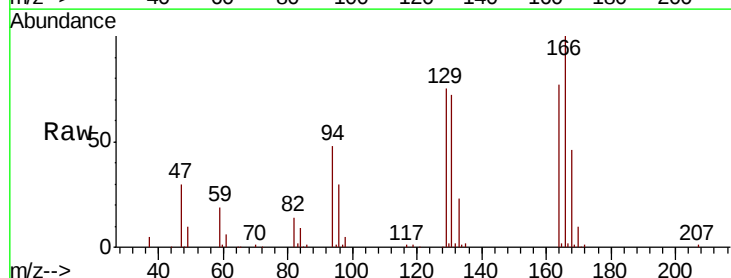
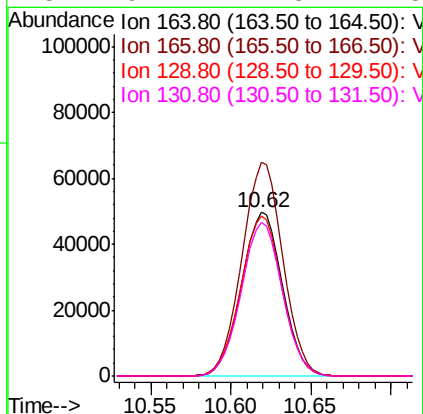
Instrument :
MSVOA_N
ClientSampleId :

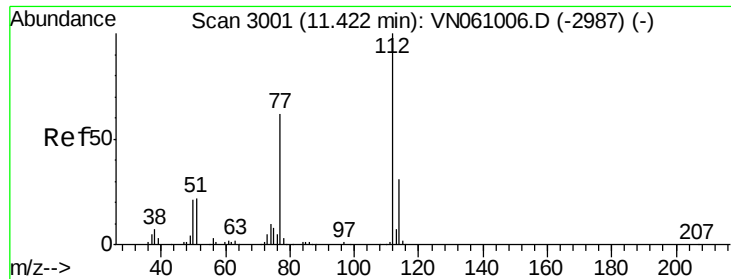
Tot Ion:117 Resp: 235177
Ion Ratio Lower Upper
117 100
82 58.2 47.1 70.7
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 48.360 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion:164 Resp: 87029
Ion Ratio Lower Upper
164 100
166 130.4 101.6 152.4
129 97.9 78.5 117.7
131 94.1 74.3 111.5

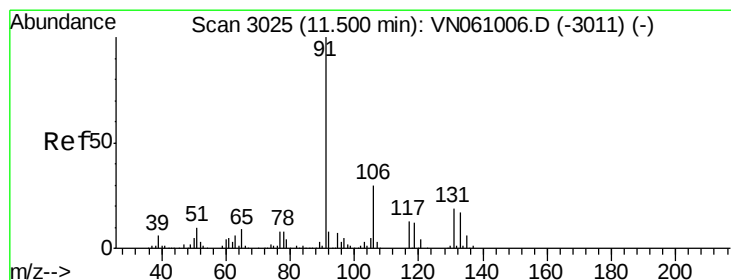
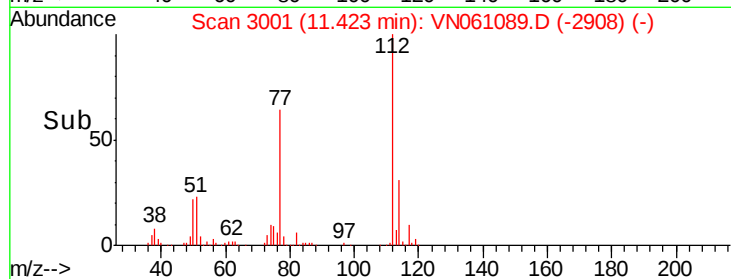
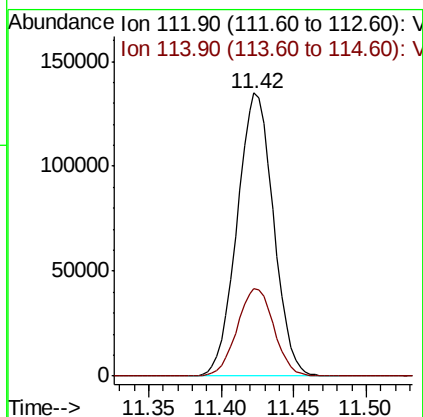
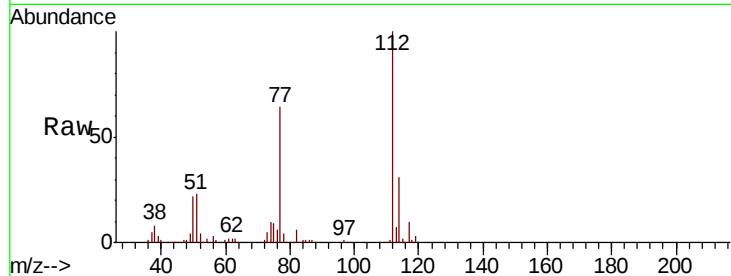




#65
Chlorobenzene
Concen: 48.401 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

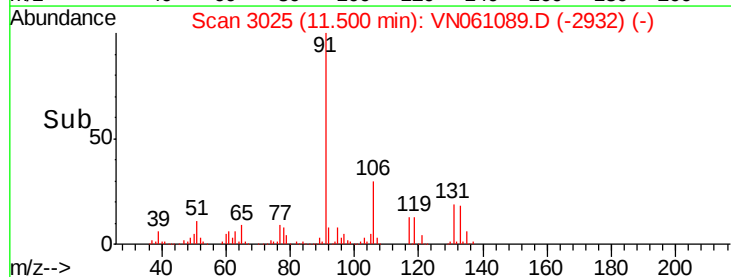
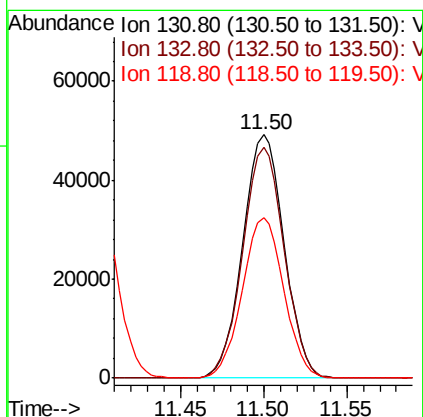
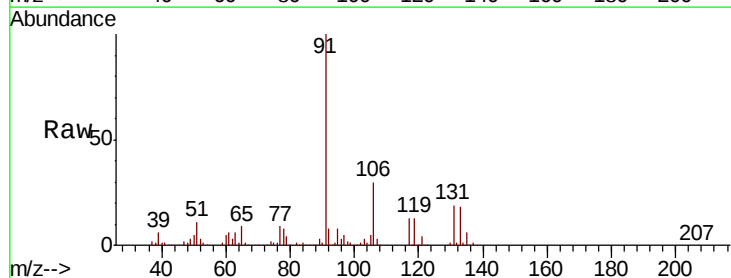
Instrument :
MSVOA_N
ClientSampled :

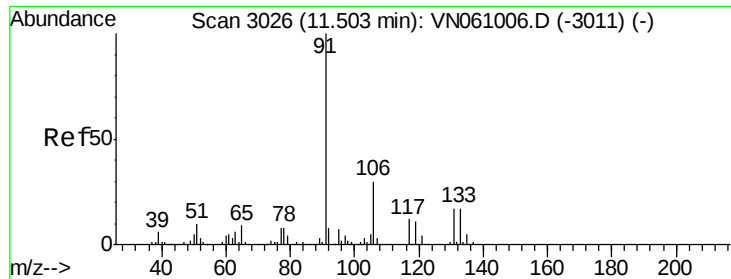
Tot Ion:112 Resp: 234985
Ion Ratio Lower Upper
112 100
114 30.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 49.113 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion:131 Resp: 85306
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 66.1 33.3 99.8

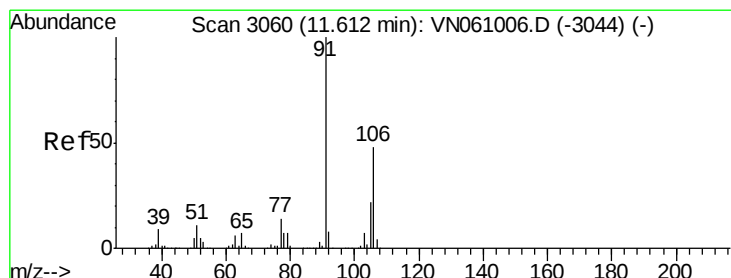
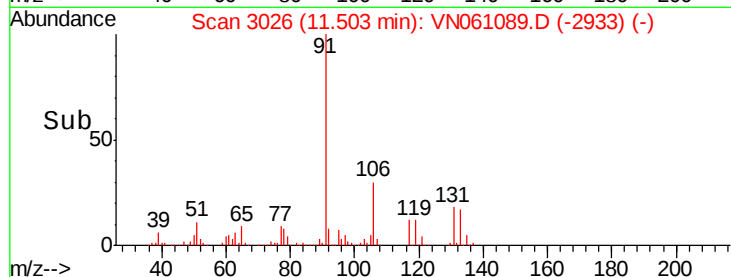
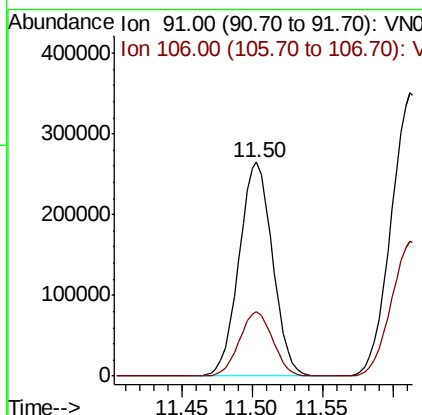
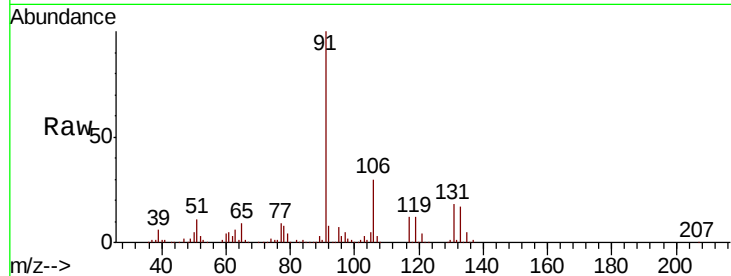




#67
Ethyl Benzene
Concen: 48.340 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

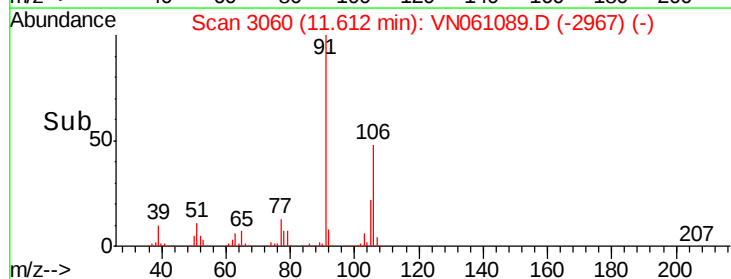
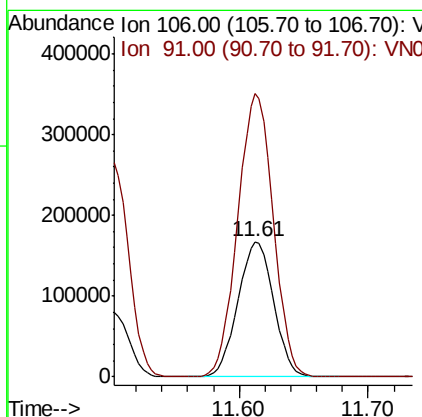
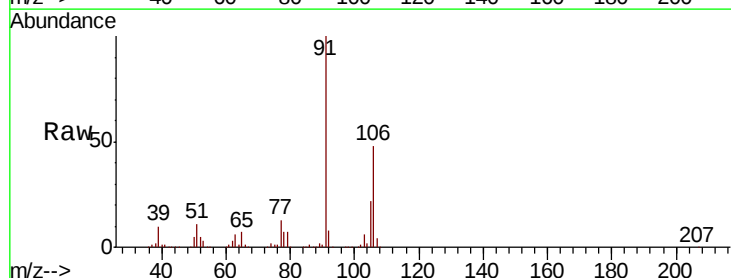
Instrument :
MSVOA_N
ClientSampled :

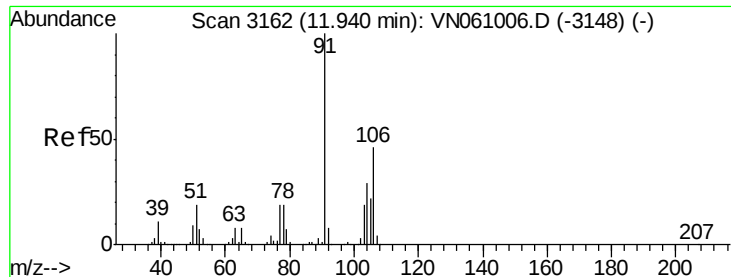
Tot Ion: 91 Resp: 441455
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8



#68
m/p-Xylenes
Concen: 97.561 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion: 106 Resp: 321991
Ion Ratio Lower Upper
106 100
91 208.6 167.9 251.9

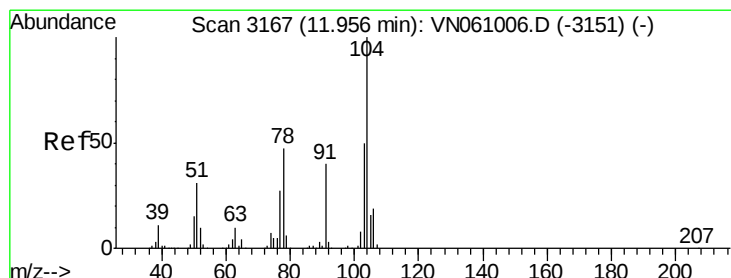
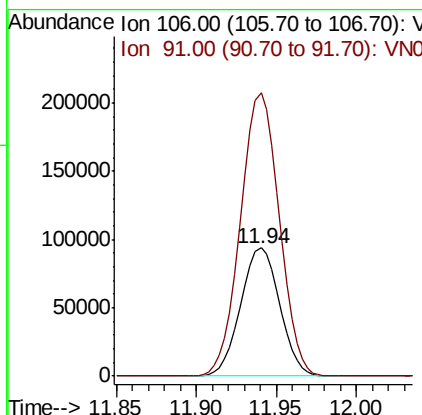
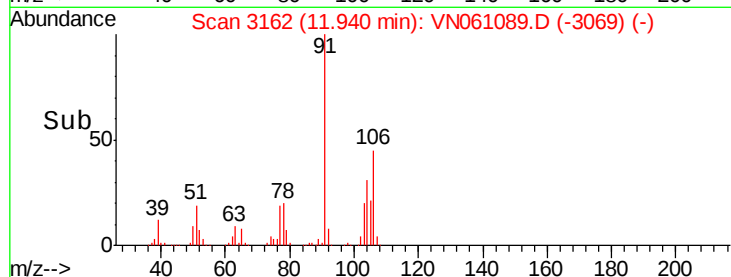
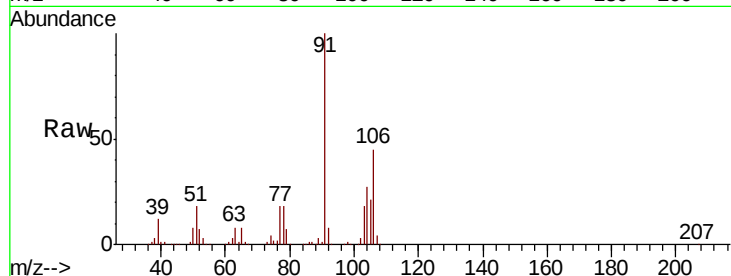




#69
o-Xylene
Concen: 49.216 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

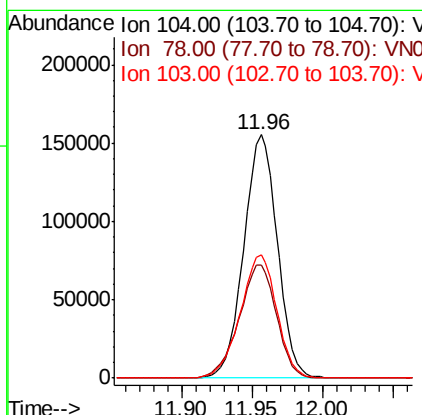
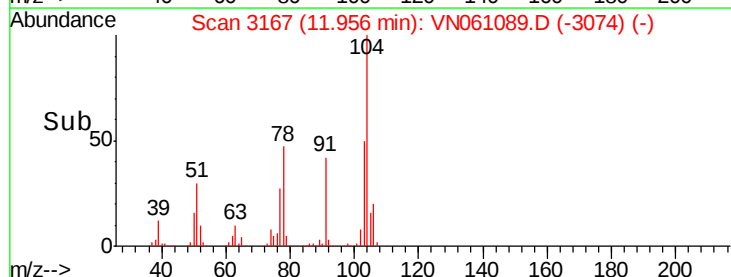
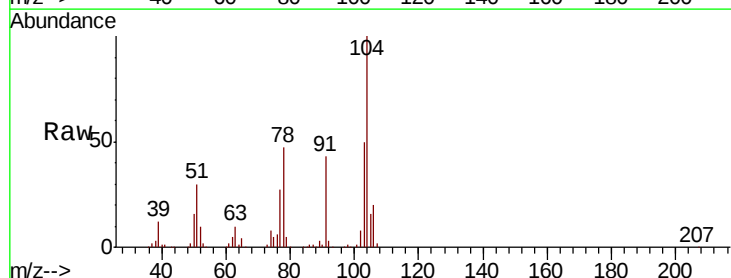
Instrument :
MSVOA_N
ClientSampled :

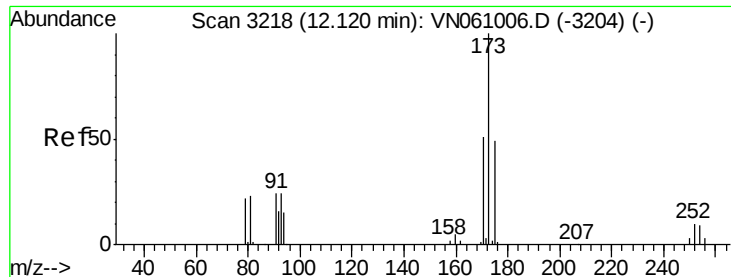
Tot Ion:106 Resp: 156176
Ion Ratio Lower Upper
106 100
91 219.3 110.7 332.1



#70
Styrene
Concen: 50.806 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion:104 Resp: 259551
Ion Ratio Lower Upper
104 100
78 51.9 42.2 63.4
103 55.0 44.4 66.6





#71

Bromoform

Concen: 52.188 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampled :

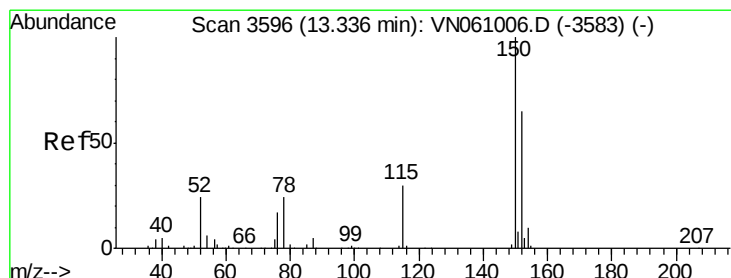
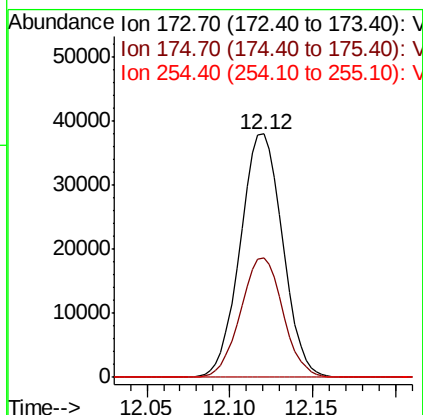
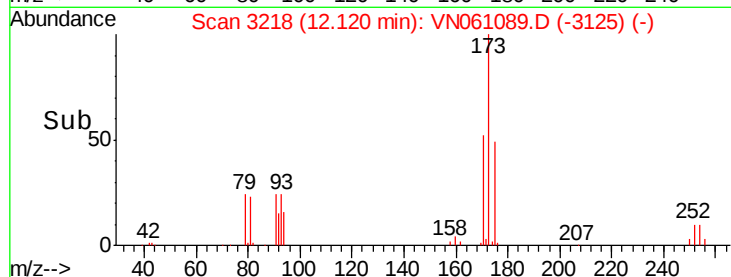
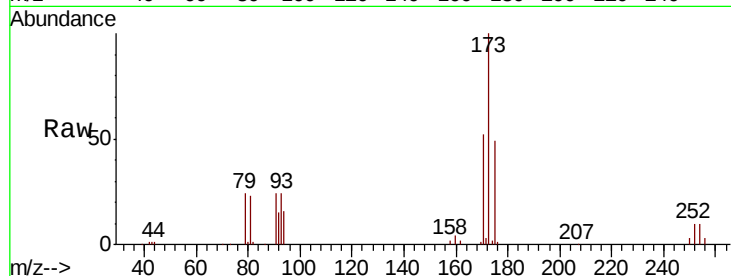
Tot Ion:173 Resp: 67663

Ion Ratio Lower Upper

173 100

175 48.9 24.5 73.5

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

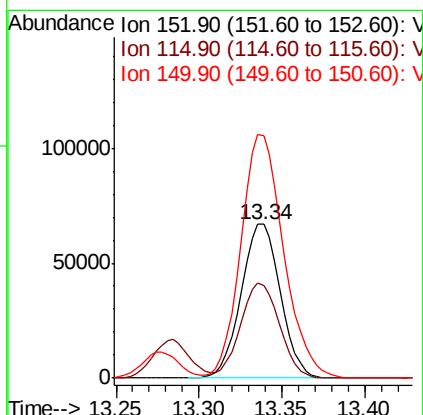
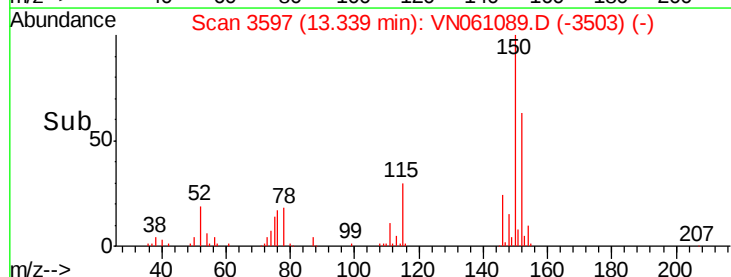
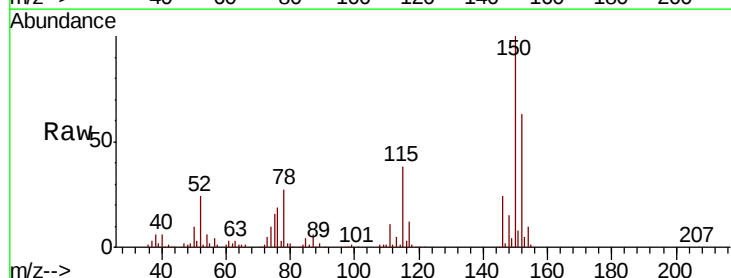
Tgt Ion:152 Resp: 110524

Ion Ratio Lower Upper

152 100

115 61.3 30.8 92.4

150 172.1 0.0 349.0





#73

Isopropylbenzene

Concen: 46.957 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

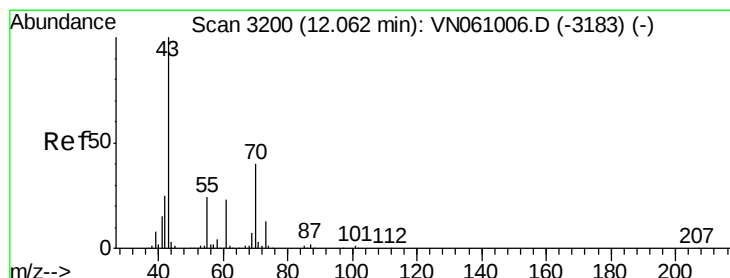
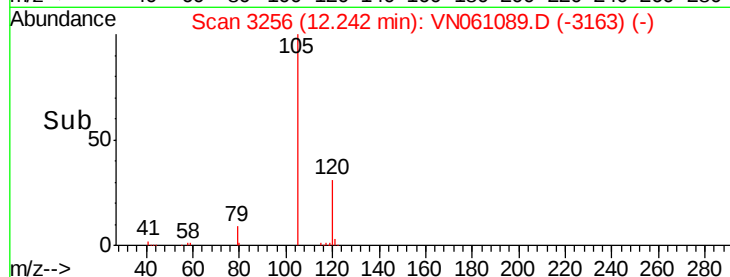
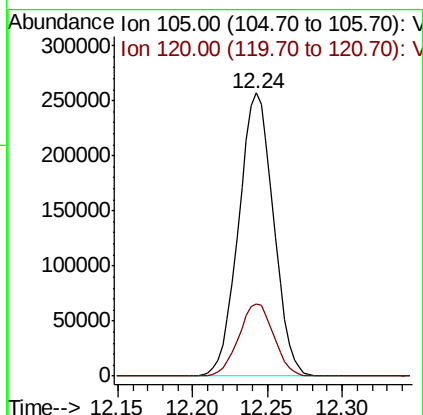
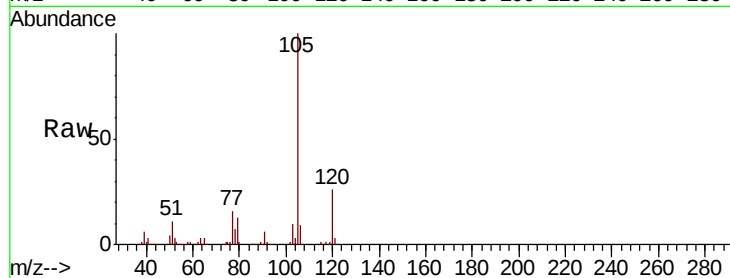
ClientSampled :

Tot Ion:105 Resp: 415783

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



#74

N-ethyl acetate

Concen: 40.939 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Tgt Ion: 43 Resp: 168574

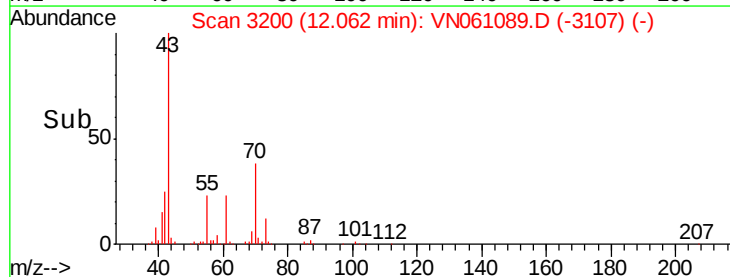
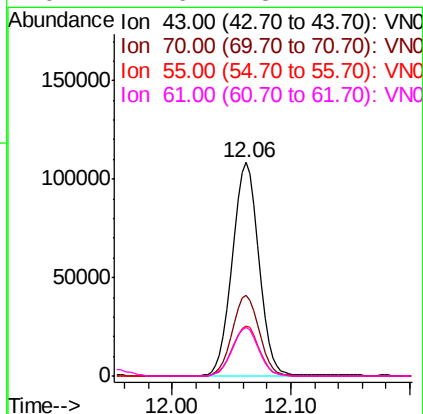
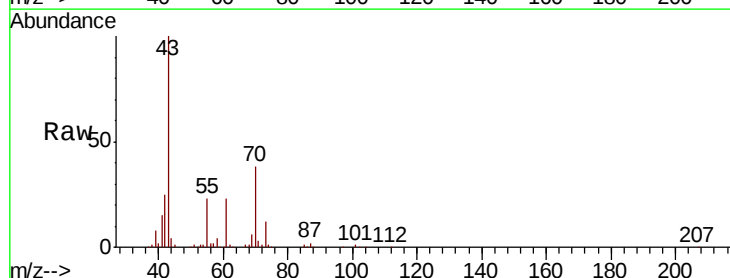
Ion Ratio Lower Upper

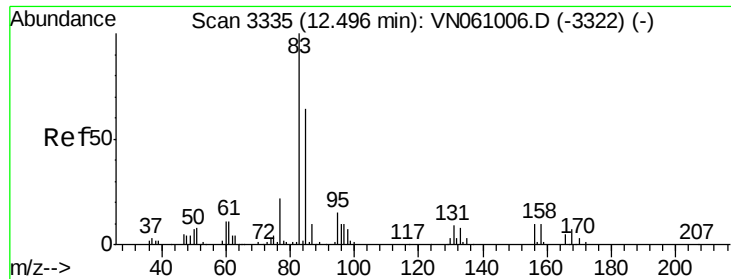
43 100

70 38.2 31.0 46.6

55 23.6 18.6 27.8

61 22.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.801 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

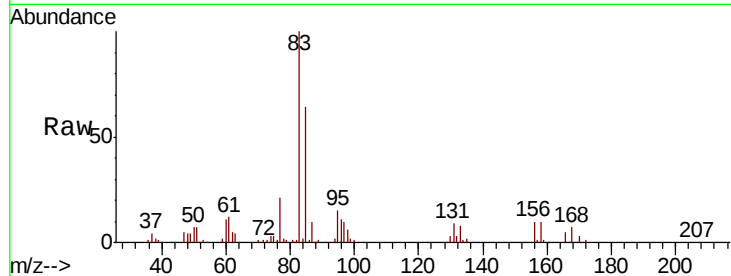
Tot Ion: 83 Resp: 134610

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

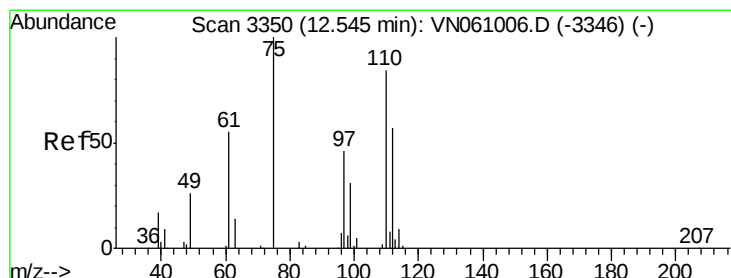
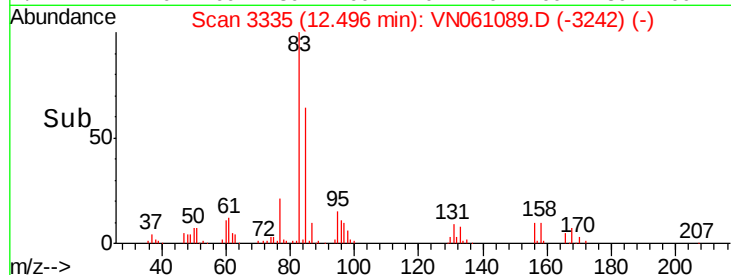
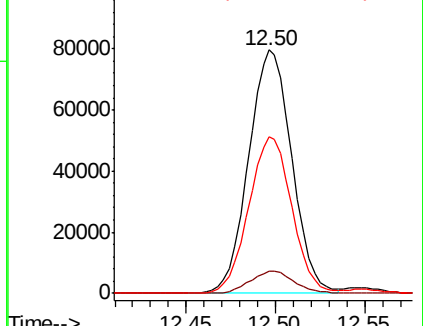
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN061089.D (-3242) (-)

Ion 130.80 (130.50 to 131.50): VN061089.D (-3242) (-)

Ion 84.90 (84.60 to 85.60): VN061089.D (-3242) (-)



#76

1,2,3-Trichloropropane

Concen: 71.976 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061089.D

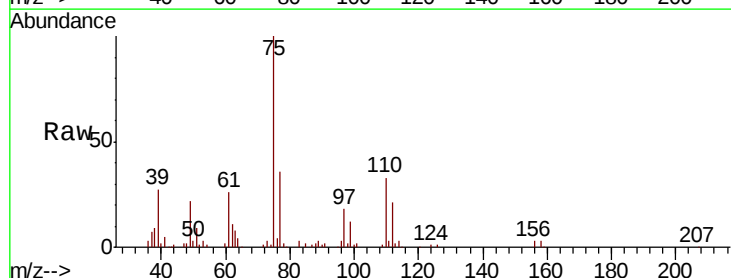
Acq: 18 Apr 2020 6:31

Tgt Ion: 75 Resp: 174979

Ion Ratio Lower Upper

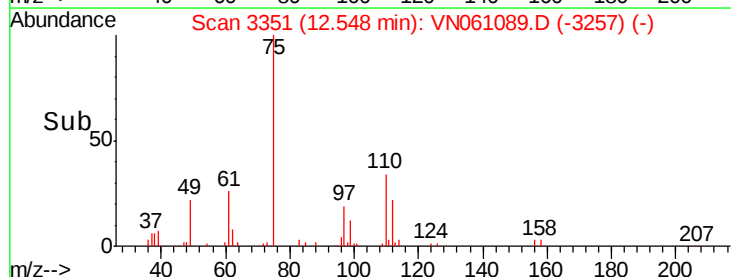
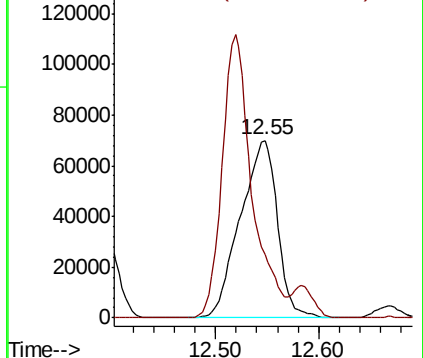
75 100

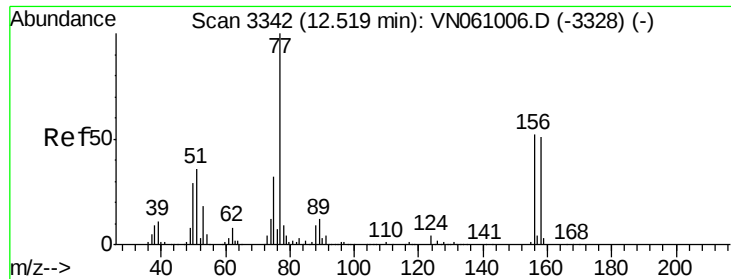
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061089.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN061089.D (-3257) (-)





#77

Bromobenzene

Concen: 48.270 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampleId :

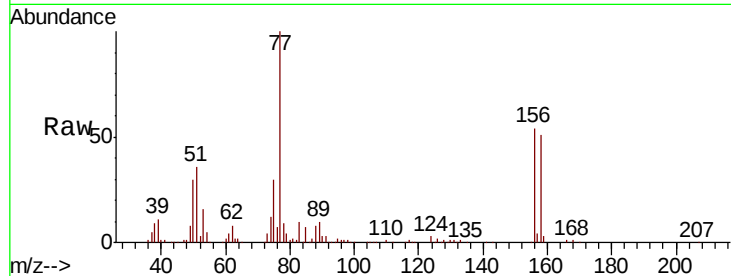
Tot Ion:156 Resp: 99794

Ion Ratio Lower Upper

156 100

77 226.3 115.6 346.8

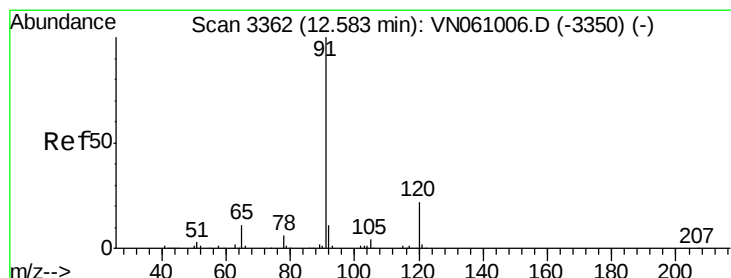
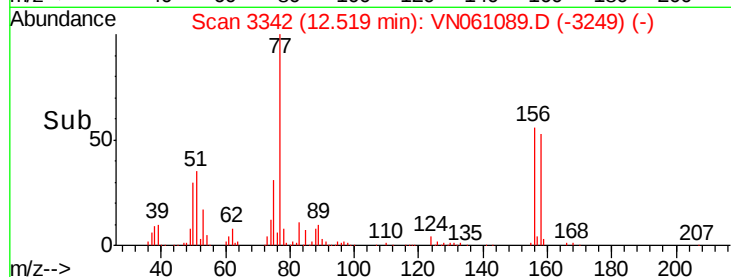
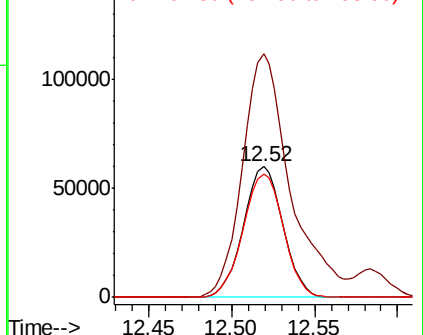
158 96.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.445 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN061089.D

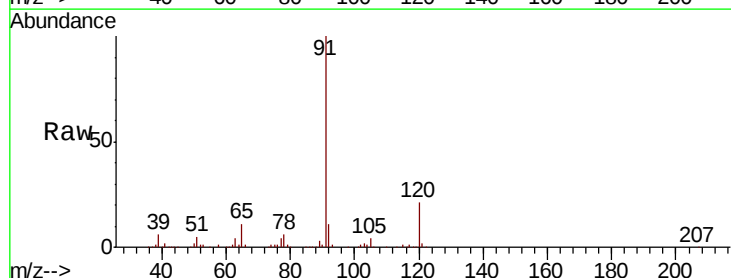
Acq: 18 Apr 2020 6:31

Tgt Ion: 91 Resp: 491512

Ion Ratio Lower Upper

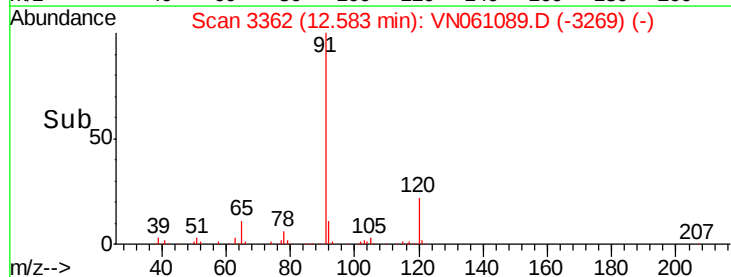
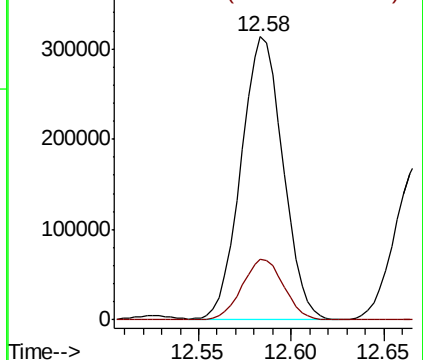
91 100

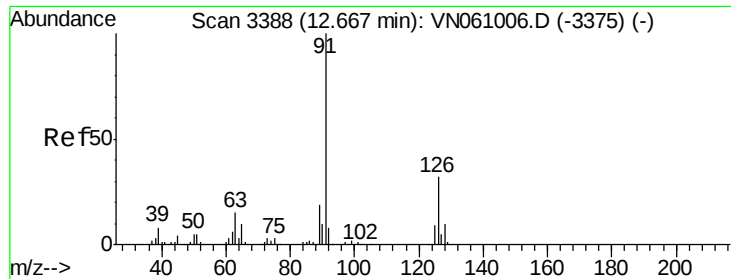
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.536 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

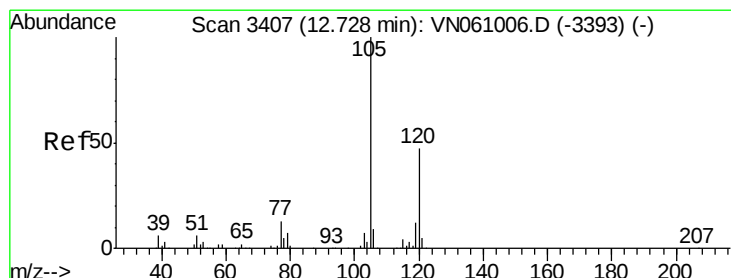
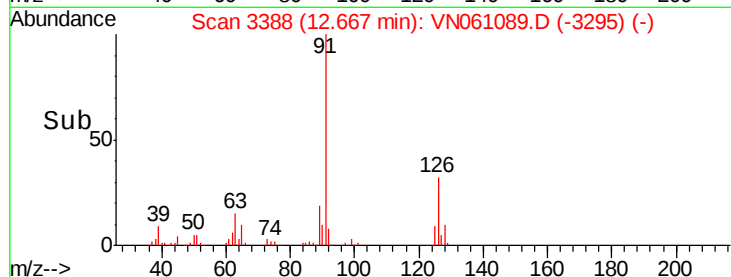
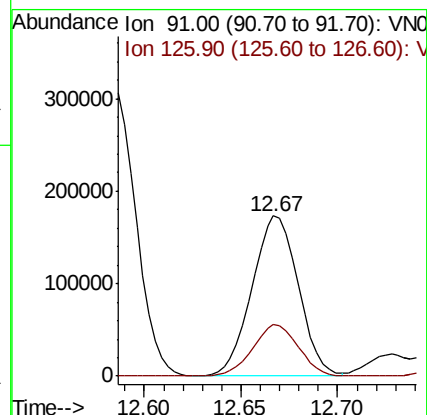
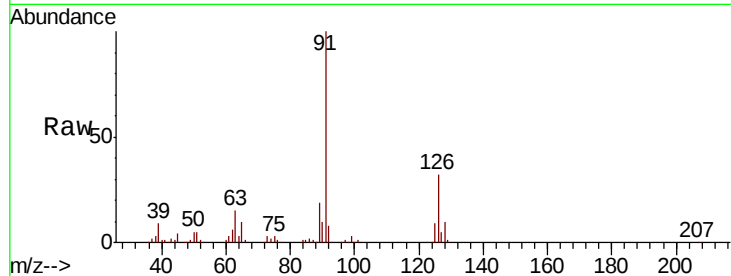
ClientSampled :

Tot Ion: 91 Resp: 288830

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 47.689 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061089.D

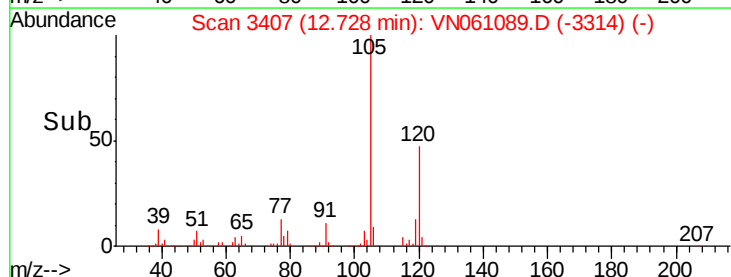
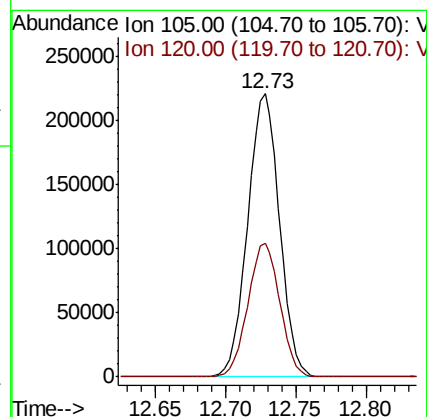
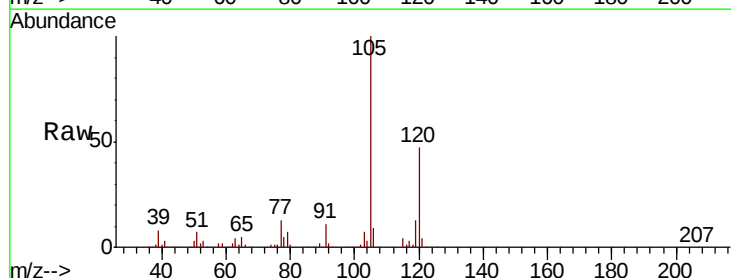
Acq: 18 Apr 2020 6:31

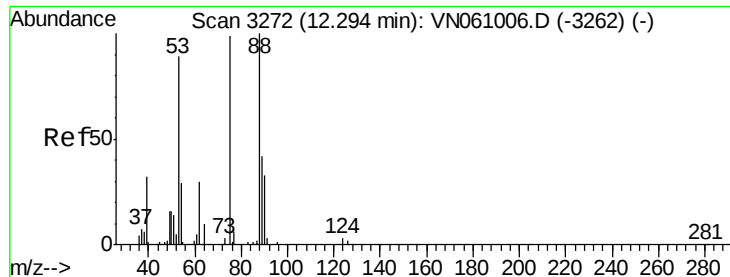
Tgt Ion: 105 Resp: 349033

Ion Ratio Lower Upper

105 100

120 47.4 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.472 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

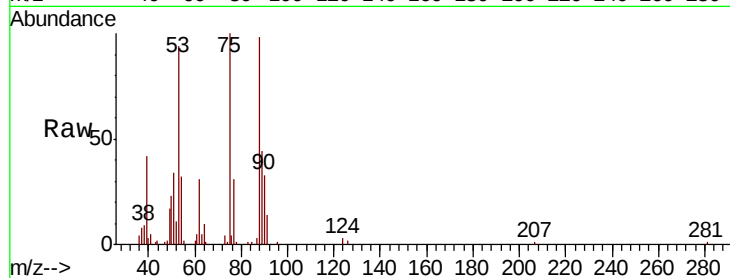
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 42846

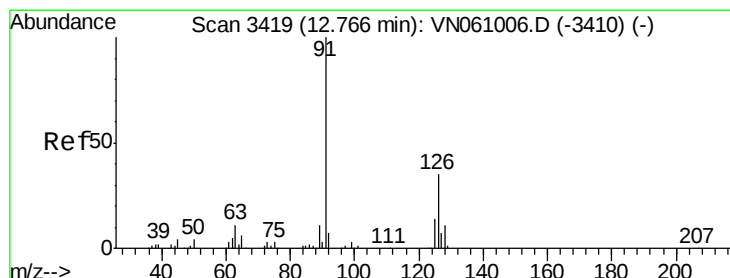
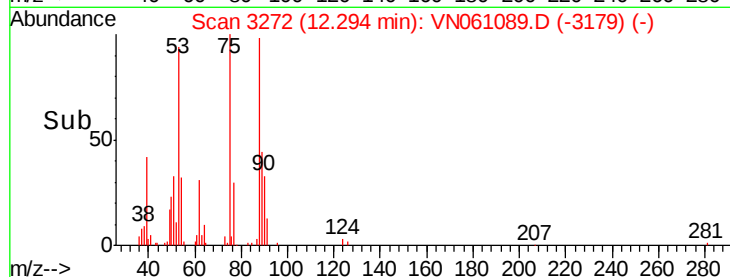
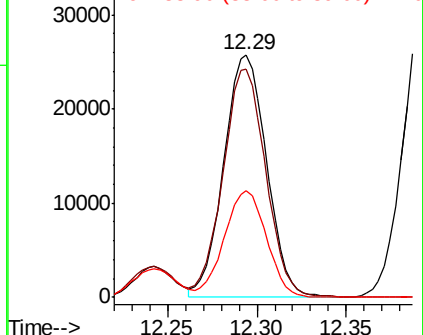
Ion	Ratio	Lower	Upper
75	100		
53	94.2	74.7	112.1
89	43.3	34.6	52.0



Abundance Ion 74.90 (74.60 to 75.60): VN061089.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061089.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061089.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 47.889 ug/l

RT: 12.77 min Scan# 3419

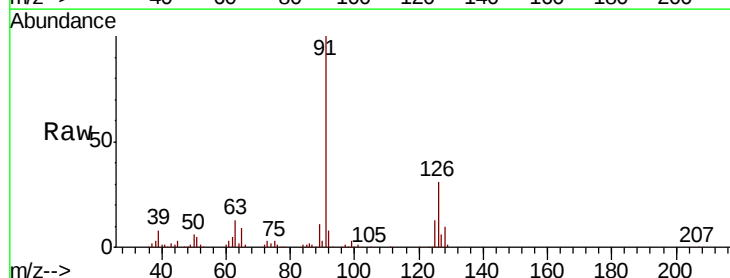
Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

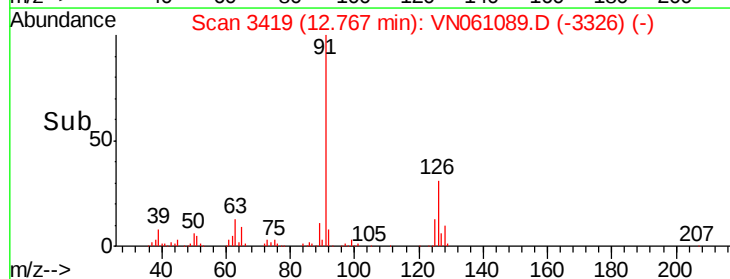
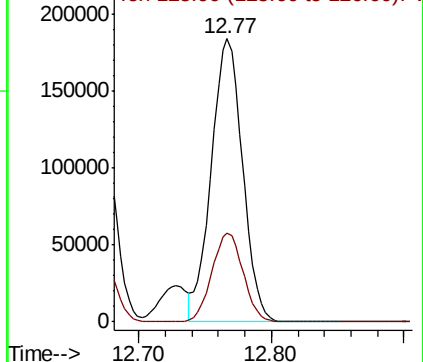
Tgt Ion: 91 Resp: 301777

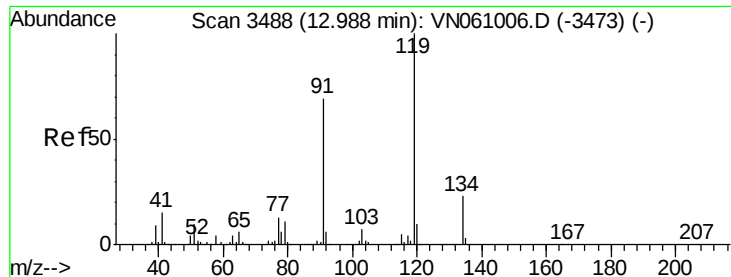
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6



Abundance Ion 91.00 (90.70 to 91.70): VN061089.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061089.D (-3326) (-)

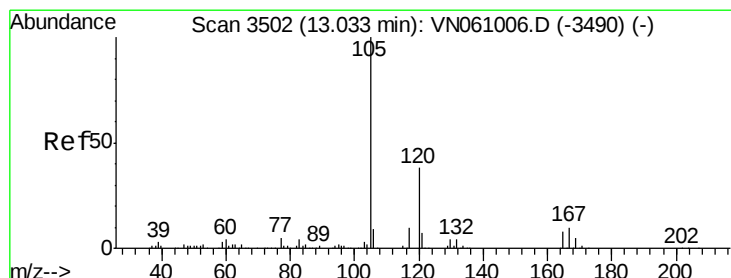
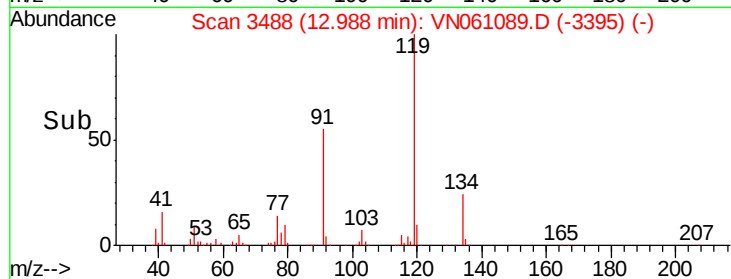
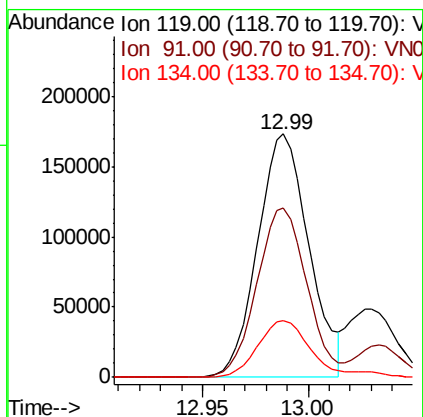
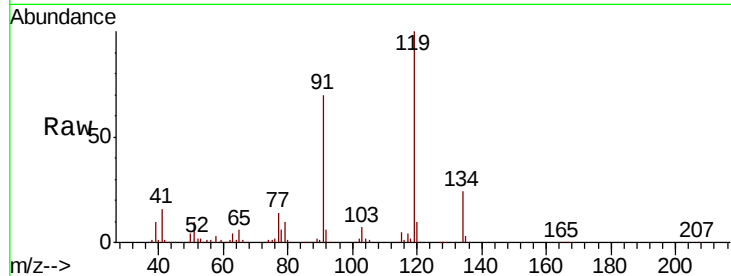




#83
tert-Butylbenzene
Concen: 47.574 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

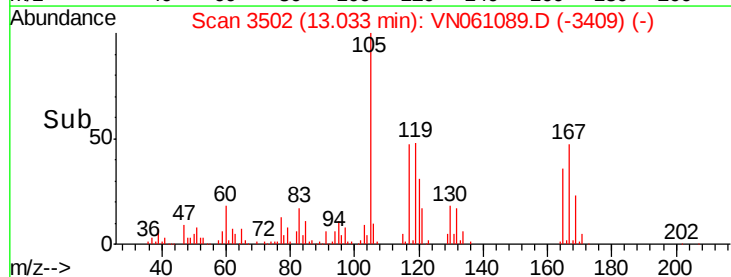
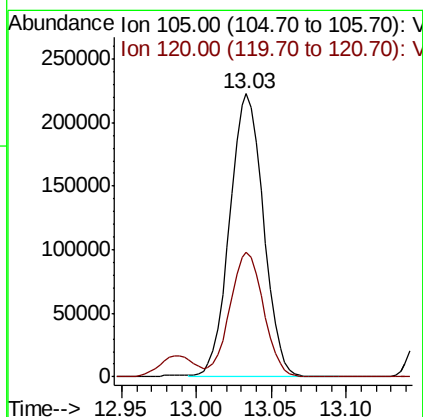
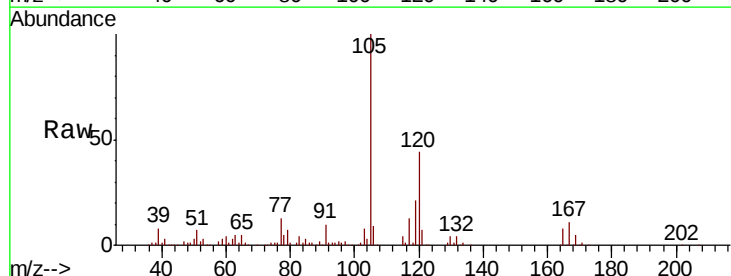
Instrument :
MSVOA_N
ClientSampled :

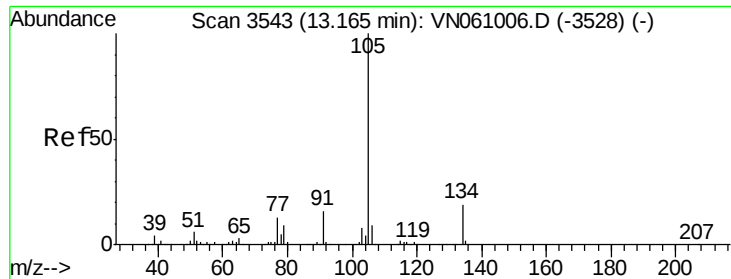
Tot Ion:119 Resp: 292825
Ion Ratio Lower Upper
119 100
91 68.2 34.1 102.3
134 25.0 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 48.335 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061089.D
Acq: 18 Apr 2020 6:31

Tgt Ion:105 Resp: 349689
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.5

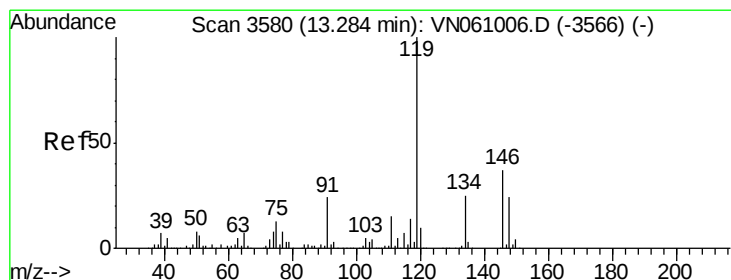
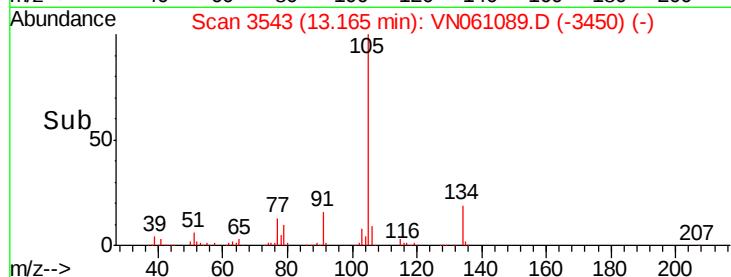
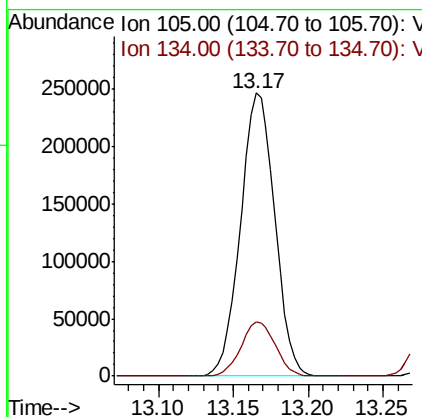
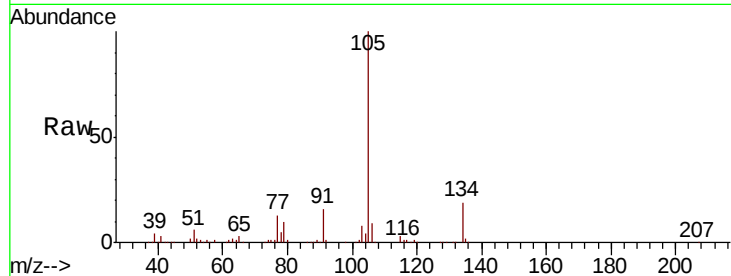




#85
 sec-Butylbenzene
 Concen: 47.115 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

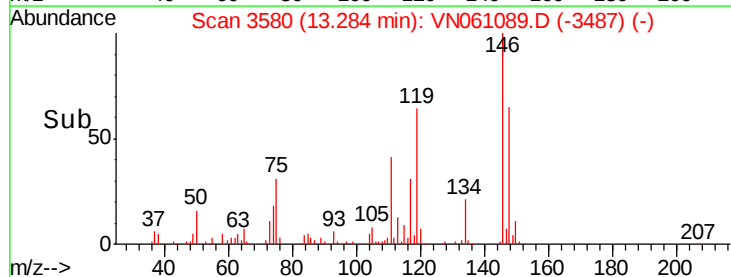
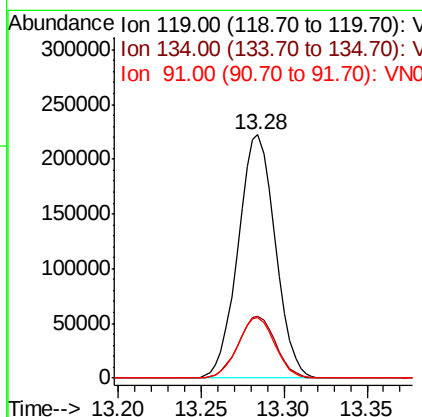
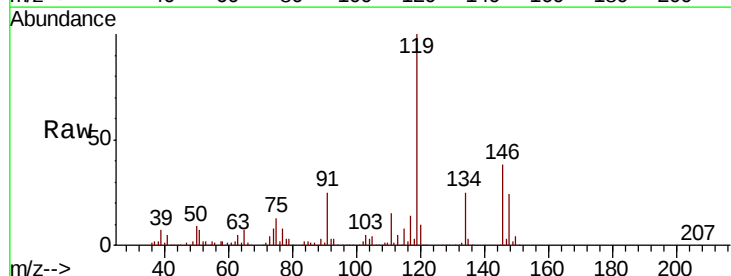
Instrument :
 MSVOA_N
 ClientSampled :

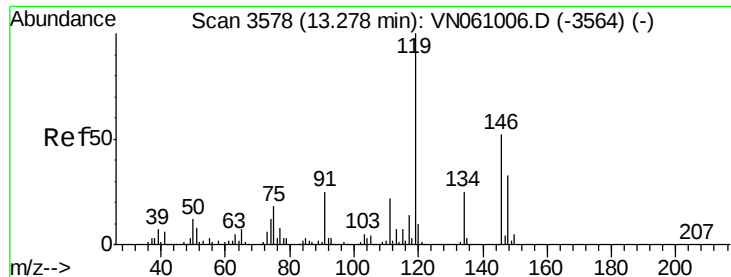
Tot Ion:105 Resp: 392931
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 46.556 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion:119 Resp: 345741
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.4
 91 24.8 12.3 36.8

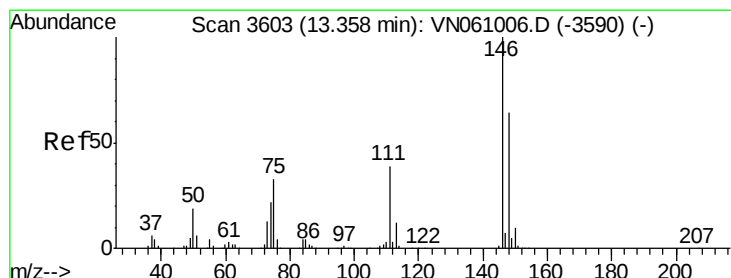
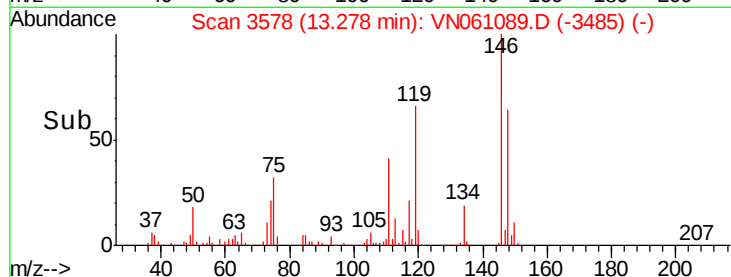
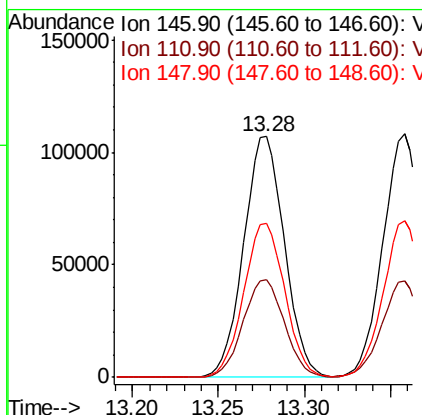
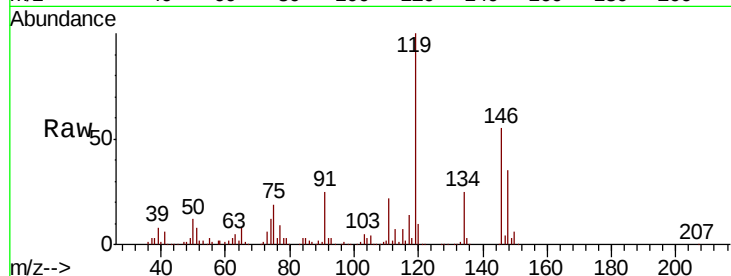




#87
 1,3-Dichlorobenzene
 Concen: 47.736 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

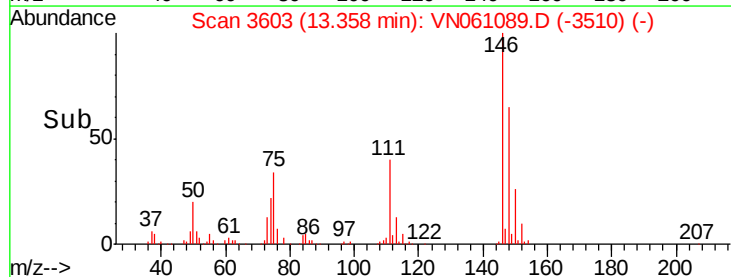
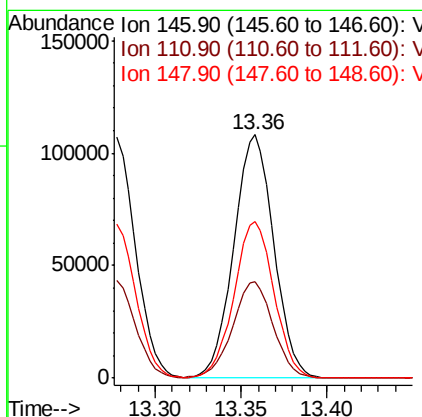
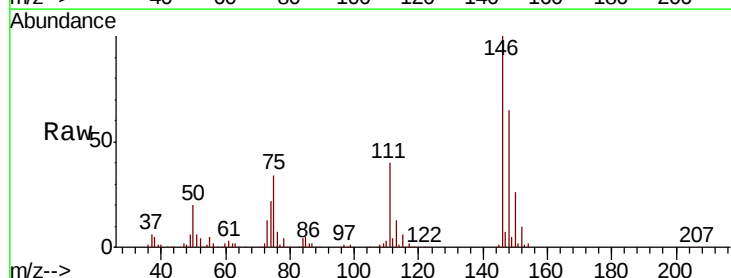
Instrument :
 MSVOA_N
 ClientSampled :

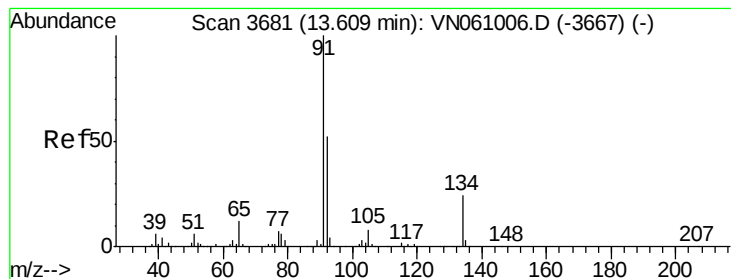
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.8
148	64.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.291 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.3
148	64.1	32.1	96.3





#89

n-Butylbenzene

Concen: 45.278 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampled :

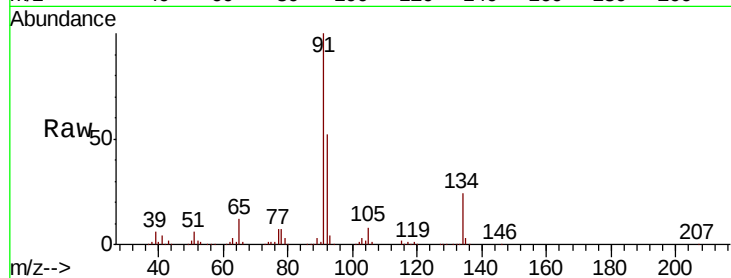
Tot Ion: 91 Resp: 312690

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.2

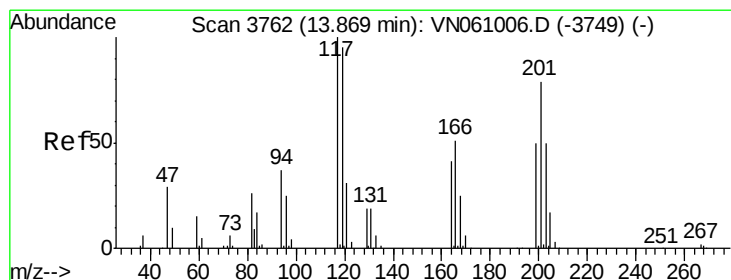
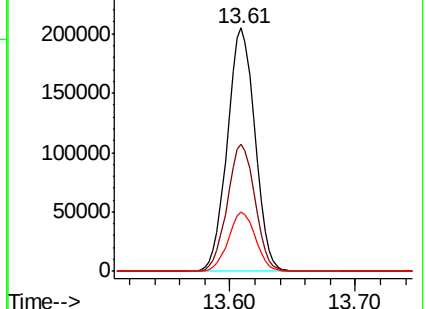
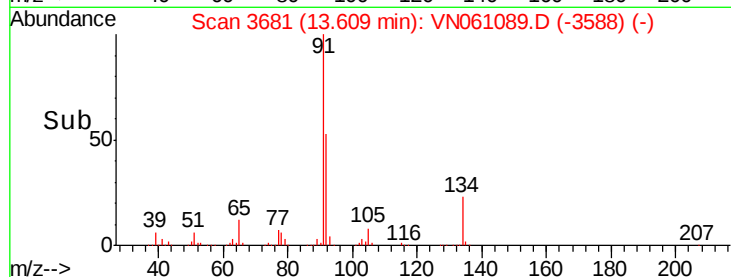
134 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN061006.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN061006.D (-3667) (-)



#90

Hexachloroethane

Concen: 48.736 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN061089.D

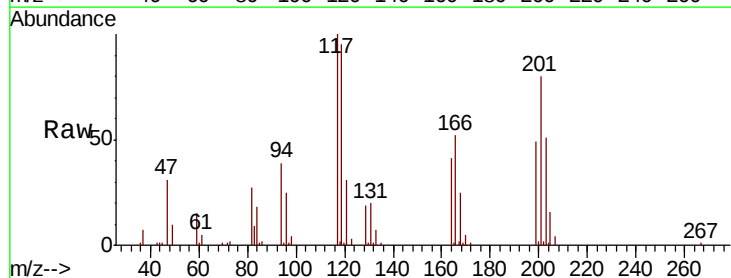
Acq: 18 Apr 2020 6:31

Tgt Ion: 117 Resp: 55529

Ion Ratio Lower Upper

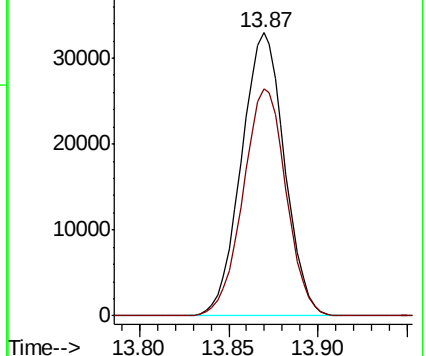
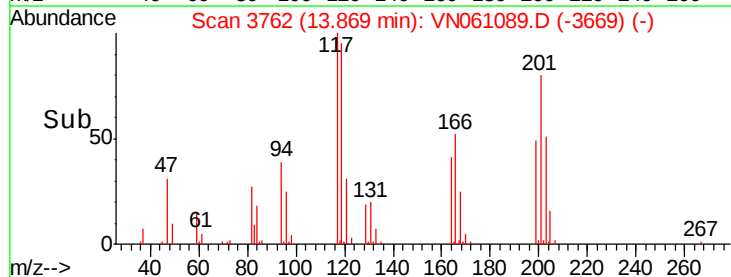
117 100

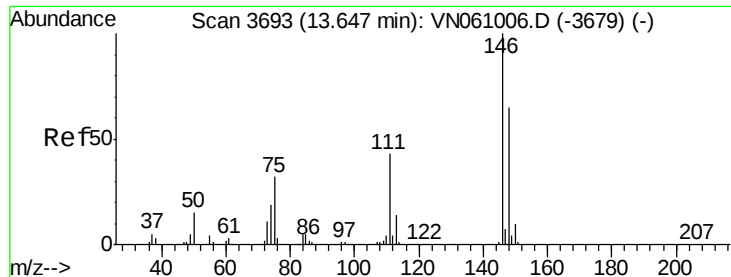
201 80.0 39.3 117.9



Abundance Ion 116.80 (116.50 to 117.50): VN061006.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN061006.D (-3749) (-)

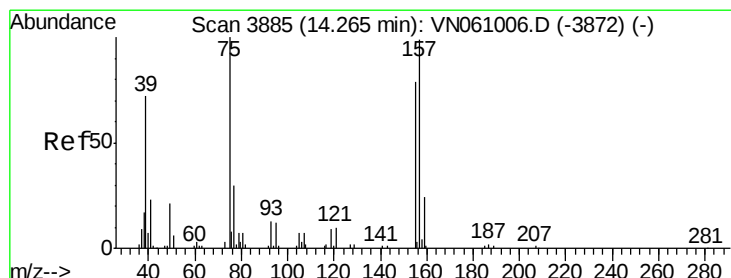
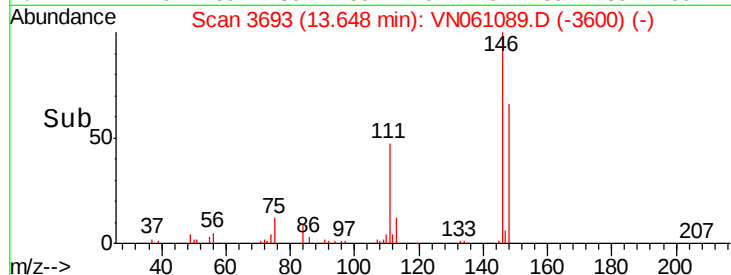
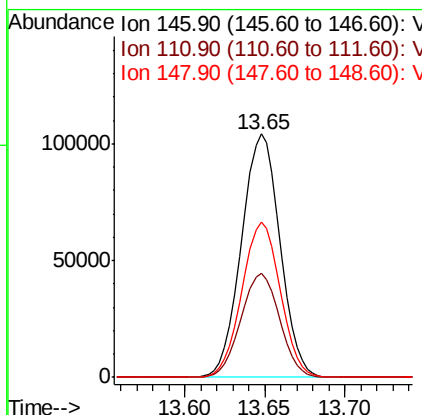
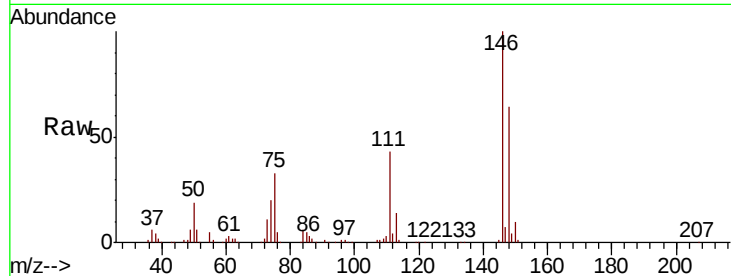




#91
 1,2-Dichlorobenzene
 Concen: 48.674 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

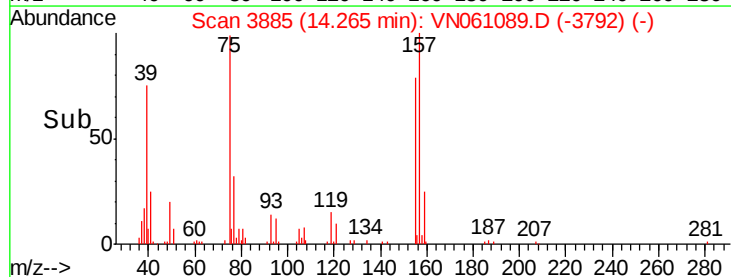
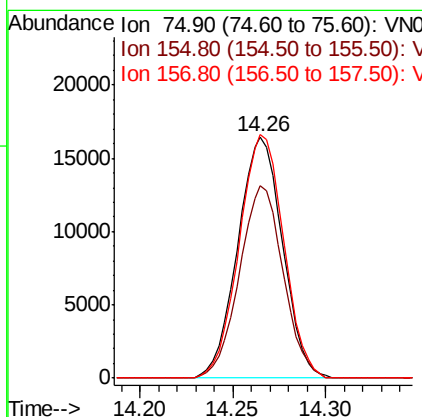
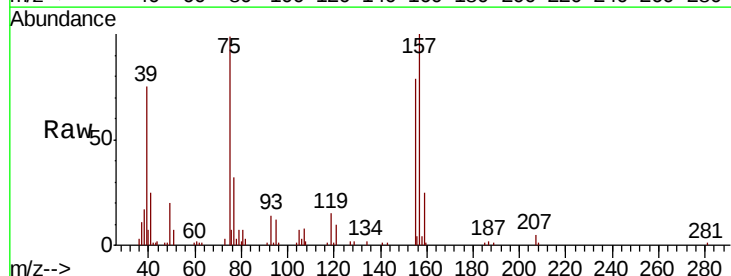
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	64.0
148	63.7	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.583 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.5	118.5
157	100.7	50.1	150.4

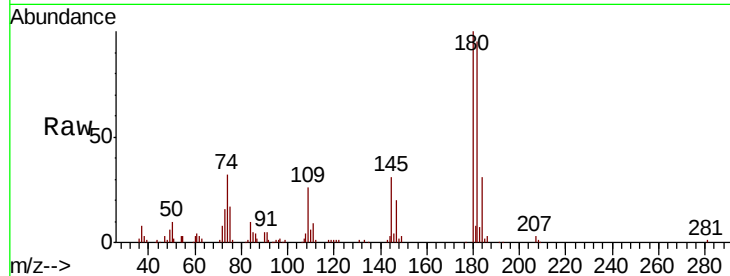




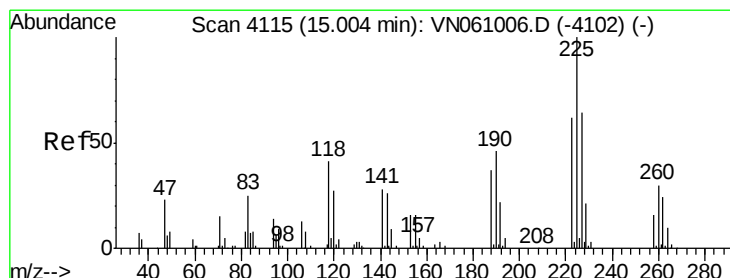
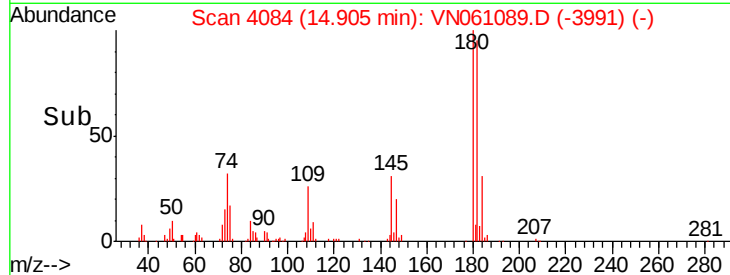
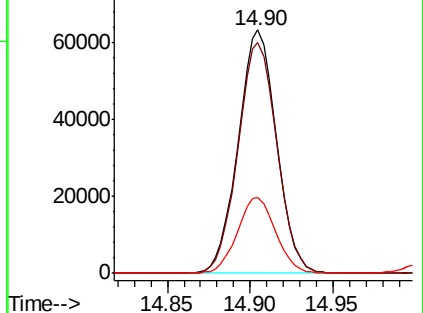
#93
 1,2,4-Trichlorobenzene
 Concen: 48.802 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 101573
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.8 143.3
 145 31.3 15.3 45.8

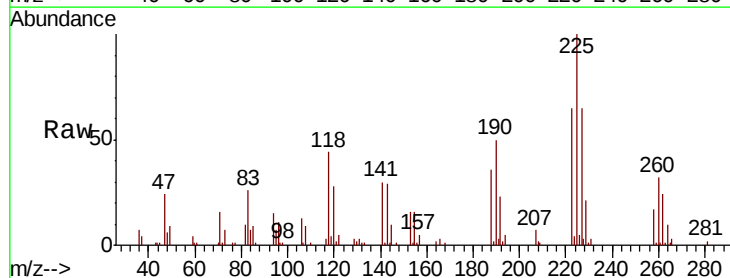


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

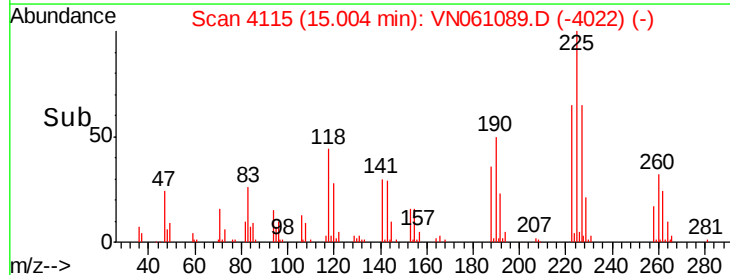
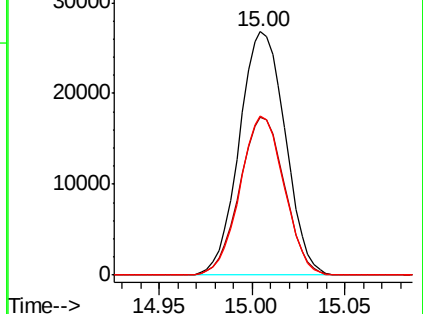


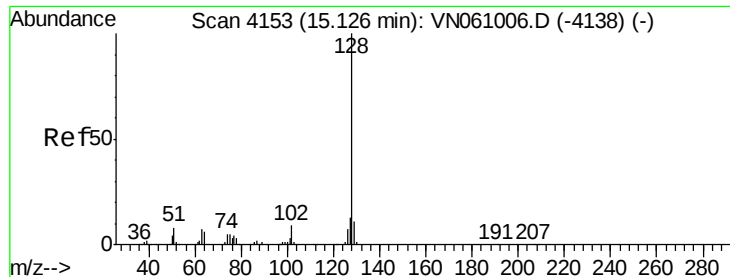
#94
 Hexachlorobutadiene
 Concen: 43.055 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061089.D
 Acq: 18 Apr 2020 6:31

Tgt Ion:225 Resp: 46099
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 62.6 31.9 95.5



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





#95

Naphthalene

Concen: 52.292 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

Instrument :

MSVOA_N

ClientSampled :

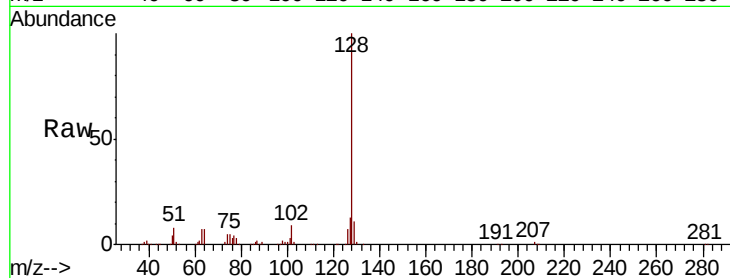
Tot Ion:128 Resp: 317409

Ion Ratio Lower Upper

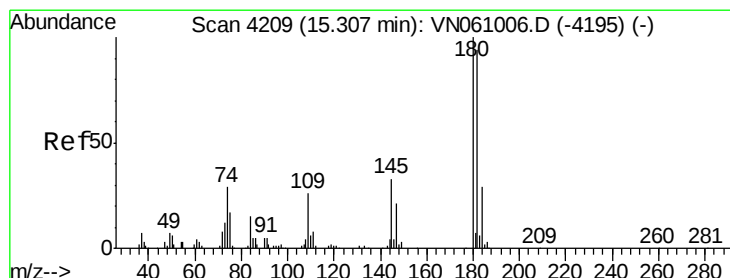
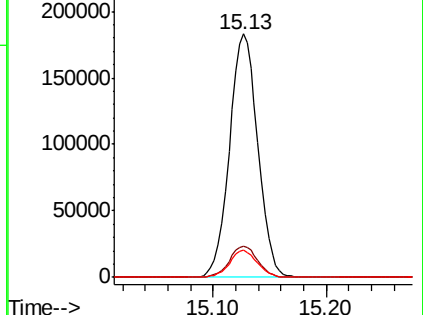
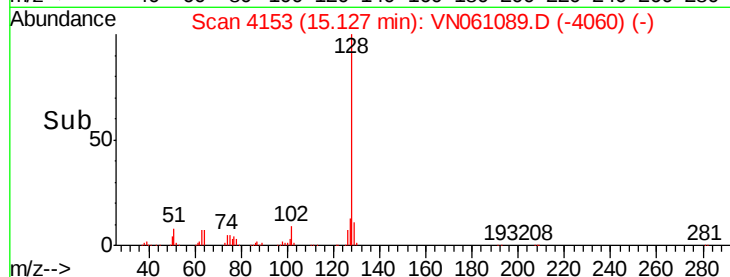
128 100

127 12.8 10.2 15.4

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: 50.732 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN061089.D

Acq: 18 Apr 2020 6:31

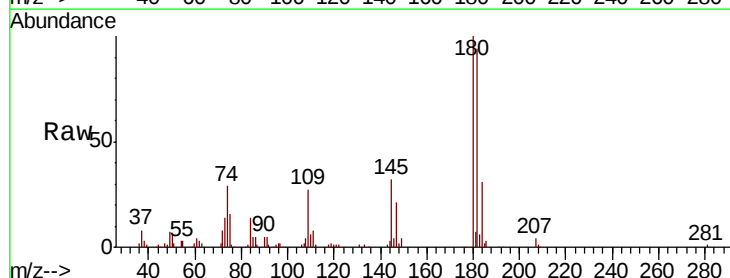
Tgt Ion:180 Resp: 101758

Ion Ratio Lower Upper

180 100

182 94.6 47.6 142.8

145 32.3 16.4 49.2



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

