

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060237.D
 Acq On : 25 Feb 2020 16:21
 Operator : JC/MD
 Sample : L1666-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 25 22:20:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	212934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	365271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117735	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
35) Dibromofluoromethane	7.57	113	94026	41.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.76%	
50) Toluene-d8	10.08	98	422664	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	134335	41.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.70%	

Target Compounds

					Qvalue
3) Chloromethane	2.04	50	2826	1.116	ug/l 91
8) Diethyl Ether	3.38	74	531	0.429	ug/l # 5
11) Tert butyl alcohol	4.73	59	8399	21.662	ug/l # 77
13) Acrolein	3.58	56	3768	9.832	ug/l 98
16) Acetone	3.78	43	845913	748.463	ug/l 99
17) Carbon Disulfide	4.03	76	3511	0.579	ug/l # 76
18) Methyl Acetate	4.29	43	12154	5.725	ug/l 99
23) Vinyl Acetate	5.85	43	13095	2.401	ug/l # 81
25) 2-Butanone	6.61	43	3717538	2615.357	ug/l # 46
29) Tetrahydrofuran	7.23	42	259	0.297	ug/l 95
31) Cyclohexane	7.64	56	7180	1.959	ug/l # 36
36) 1,1-Dichloropropene	7.64	75	15879	4.693	ug/l # 48
37) Ethyl Acetate	6.80	43	104904	34.308	ug/l # 68
38) Carbon Tetrachloride	7.64	117	20790	5.658	ug/l # 14
39) Methylcyclohexane	9.06	83	3768	0.897	ug/l # 83
40) Benzene	8.02	78	176473	17.584	ug/l 100
42) 1,2-Dichloroethane	8.02	62	1813	0.515	ug/l 87
48) Methyl methacrylate	9.16	41	20113	8.576	ug/l # 47
49) 1,4-Dioxane	9.18	88	3361	83.880	ug/l # 1
51) 4-Methyl-2-Pentanone	9.97	43	7565	2.500	ug/l 99
52) Toluene	10.14	92	140692	21.861	ug/l 98
59) 2-Hexanone	10.74	43	9386	4.016	ug/l 88
65) Chlorobenzene	11.36	112	4720	0.765	ug/l # 43
67) Ethyl Benzene	11.51	91	29758	2.676	ug/l 98
68) m/p-Xylenes	11.61	106	69401	16.625	ug/l 99
69) o-Xylene	11.94	106	28893	7.189	ug/l 99
70) Styrene	11.96	104	7690	1.186	ug/l # 40
73) Isopropylbenzene	12.25	105	6612	0.719	ug/l 93
74) N-amyl acetate	12.02	43	9616	2.901	ug/l # 46
75) 1,1,2,2-Tetrachloroethane	12.53	83	680	0.257	ug/l # 25
76) 1,2,3-Trichloropropane	12.40	75	70239	29.827	ug/l # 100
77) Bromobenzene	12.52	156	8806	3.861	ug/l # 1
78) n-propylbenzene	12.59	91	10591	1.011	ug/l 100
80) 1,3,5-Trimethylbenzene	12.73	105	39142	5.122	ug/l 100

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

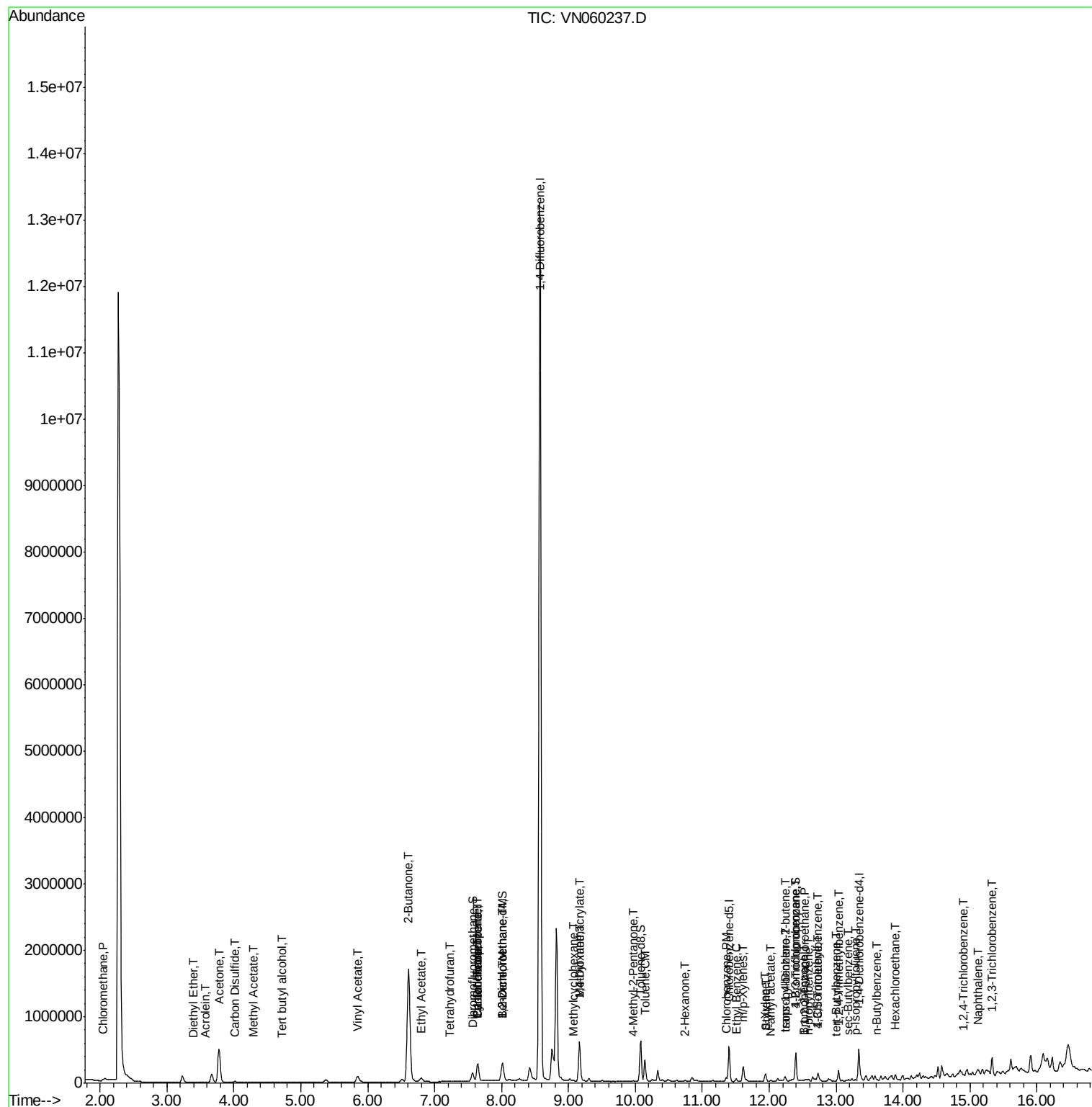
81) trans-1,4-Dichloro-2-buten	12.23	75	4272	4.442	ug/l #	24
82) 4-Chlorotoluene	12.73	91	4096	0.649	ug/l #	43
83) tert-Butylbenzene	12.99	119	1495	0.221	ug/l	85
84) 1,2,4-Trimethylbenzene	13.04	105	90866	12.045	ug/l	98
85) sec-Butylbenzene	13.17	105	7141	0.798	ug/l #	72
86) p-Isopropyltoluene	13.29	119	7381	0.910	ug/l	90
89) n-Butylbenzene	13.61	91	7673	1.075	ug/l #	65
90) Hexachloroethane	13.89	117	3381	2.231	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	275	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	603	0.260	ug/l #	1
95) Naphthalene	15.13	128	41701	6.649	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	571	0.247	ug/l #	21

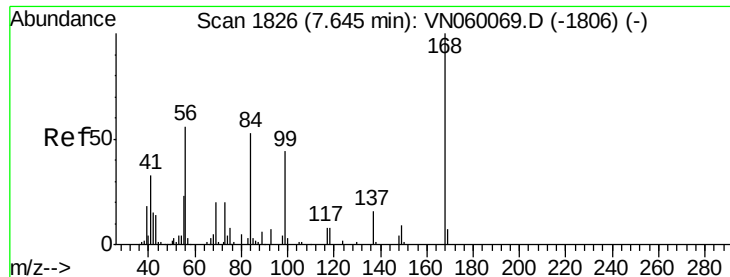
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022520\
Data File : VN060237.D
Acq On : 25 Feb 2020 16:21
Operator : JC/MD
Sample : L1666-02
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Feb 25 22:20:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

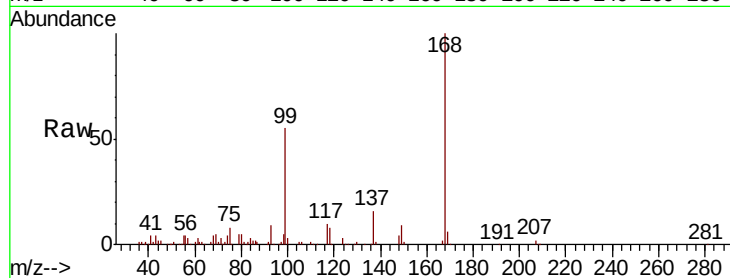
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 212934

Ion Ratio Lower Upper

168 100

99 54.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

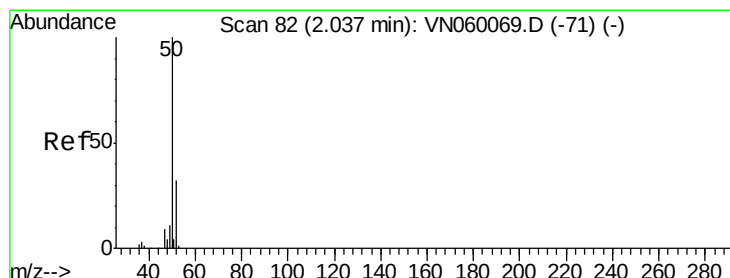
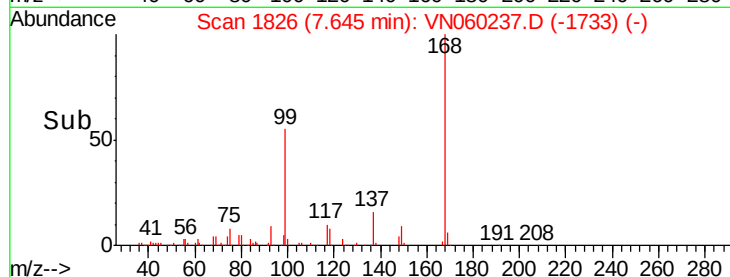
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.116 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060237.D

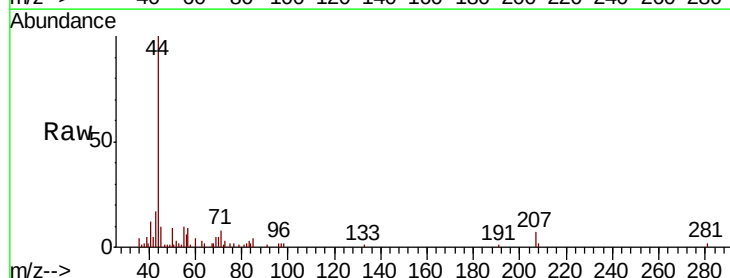
Acq: 25 Feb 2020 16:21

Tgt Ion: 50 Resp: 2826

Ion Ratio Lower Upper

50 100

52 37.1 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

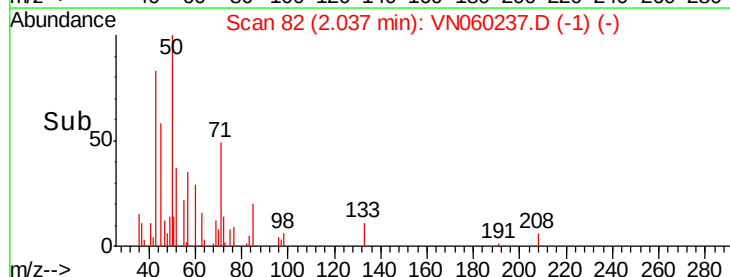
1500

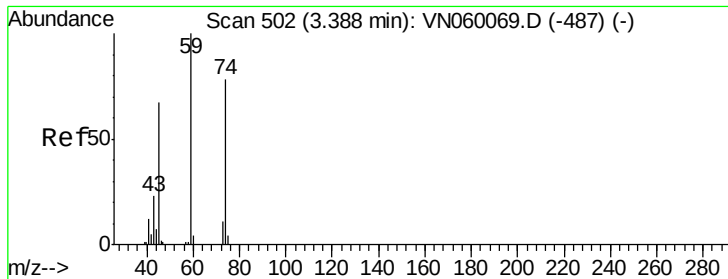
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.429 ug/l

RT: 3.38 min Scan# 501

Delta R.T. -0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

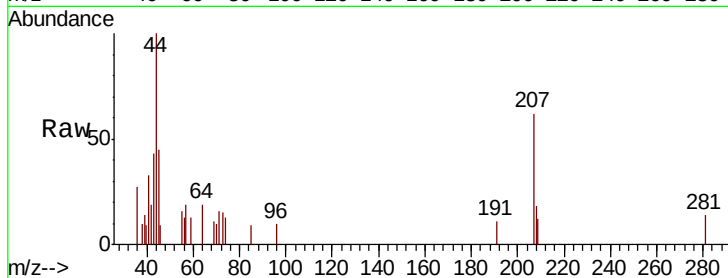
ClientSampleId :

Tot Ion: 74 Resp: 531

Ion Ratio Lower Upper

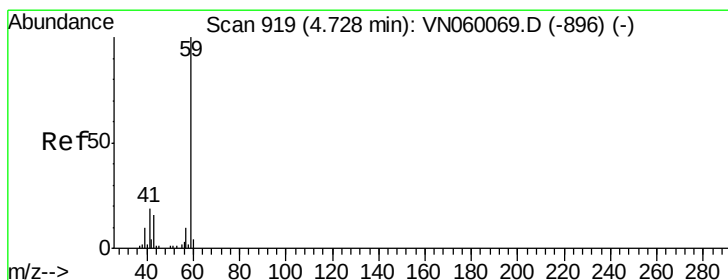
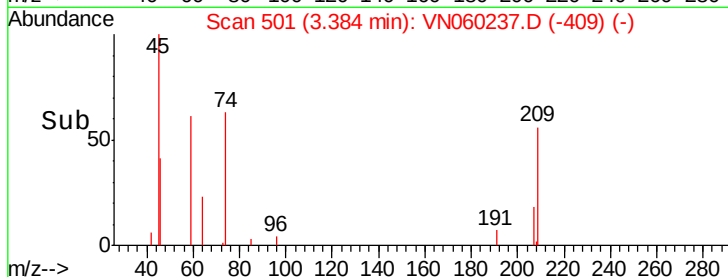
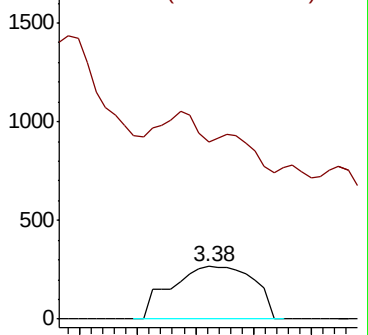
74 100

45 0.0 44.7 134.1#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#11

Tert butyl alcohol

Concen: 21.662 ug/l

RT: 4.73 min Scan# 918

Delta R.T. -0.00 min

Lab File: VN060237.D

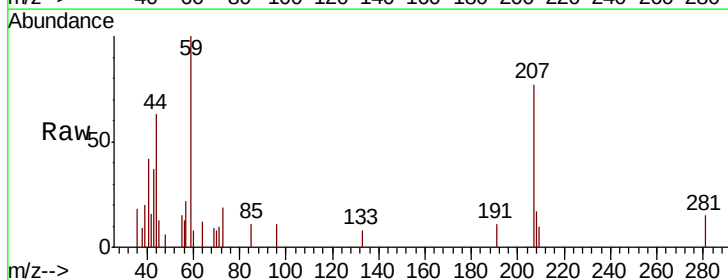
Acq: 25 Feb 2020 16:21

Tgt Ion: 59 Resp: 8399

Ion Ratio Lower Upper

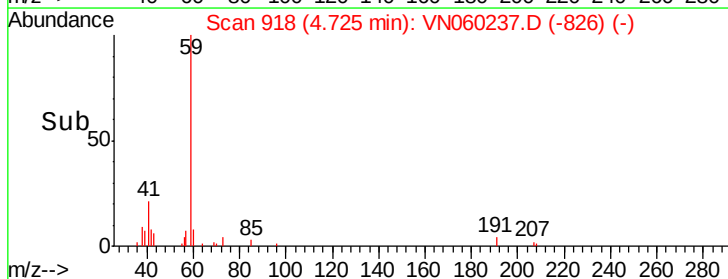
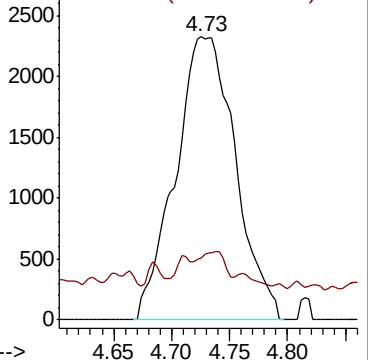
59 100

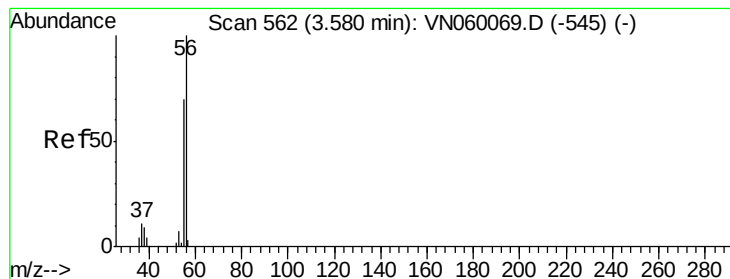
57 1.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 9.832 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

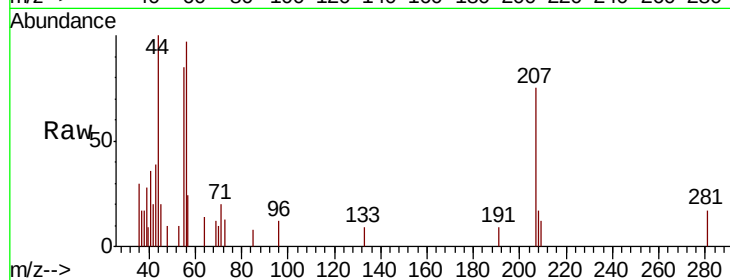
ClientSampleId :

Tot Ion: 56 Resp: 3768

Ion Ratio Lower Upper

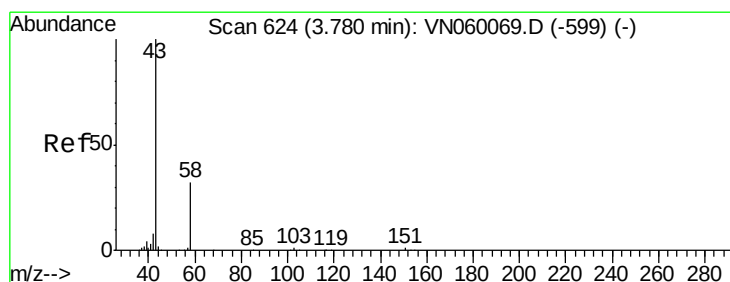
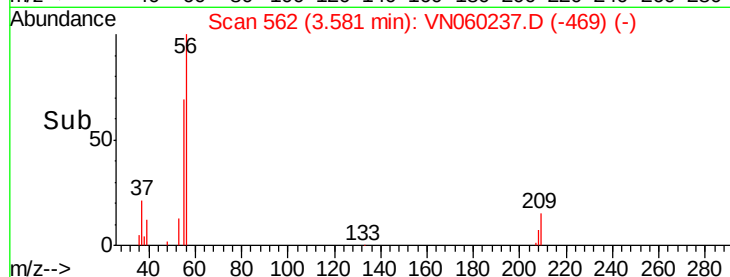
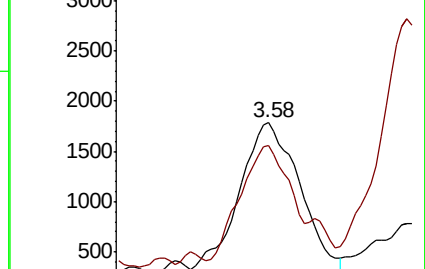
56 100

55 66.6 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 748.463 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060237.D

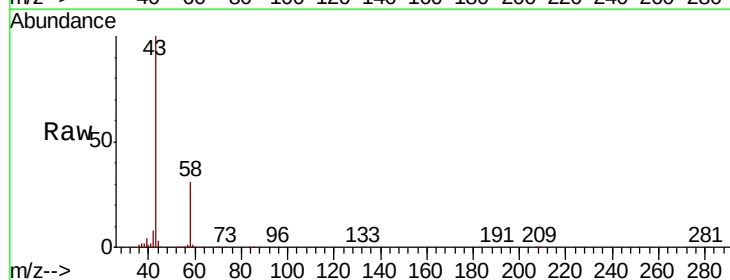
Acq: 25 Feb 2020 16:21

Tgt Ion: 43 Resp: 845913

Ion Ratio Lower Upper

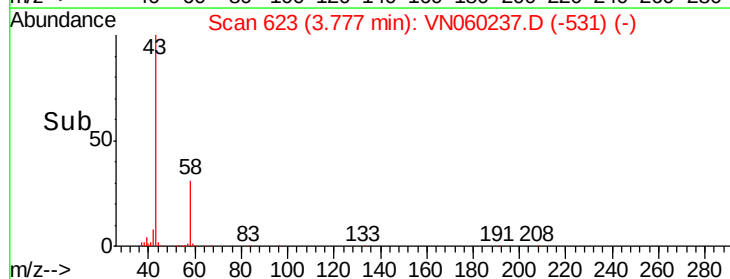
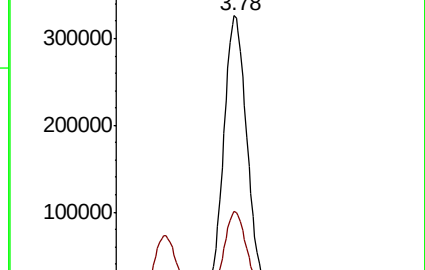
43 100

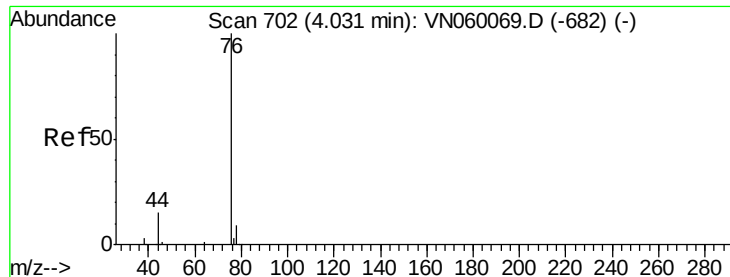
58 30.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.579 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

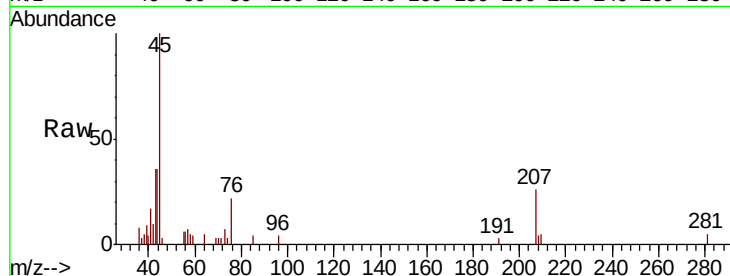
ClientSampleId :

Tot Ion: 76 Resp: 3511

Ion Ratio Lower Upper

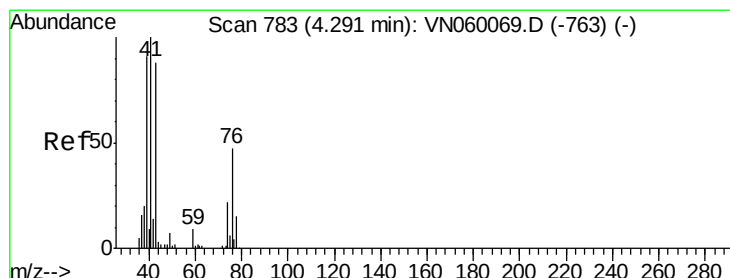
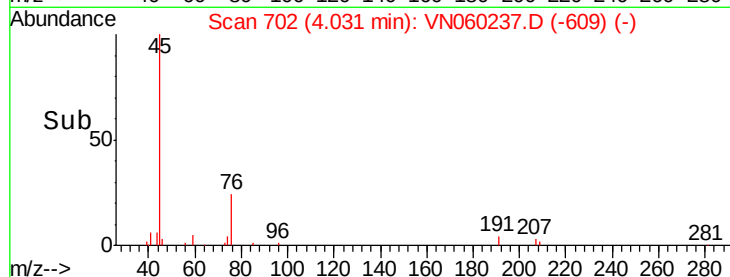
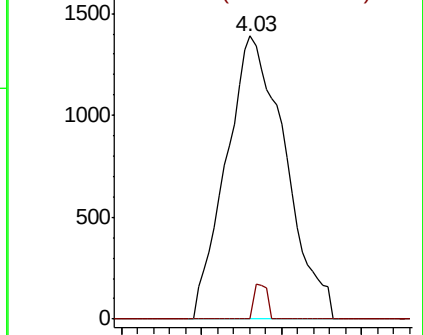
76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.725 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060237.D

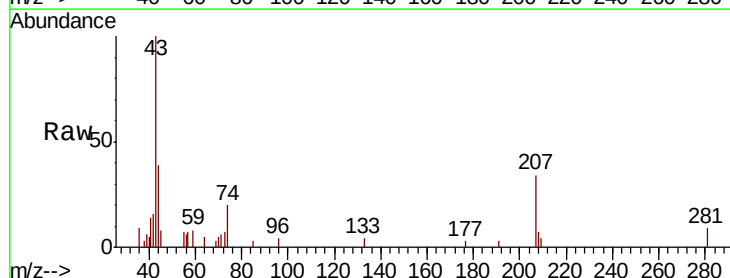
Acq: 25 Feb 2020 16:21

Tgt Ion: 43 Resp: 12154

Ion Ratio Lower Upper

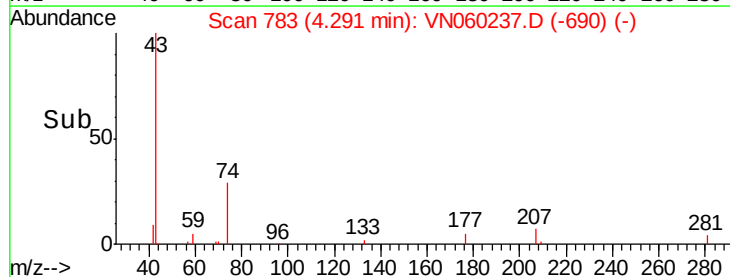
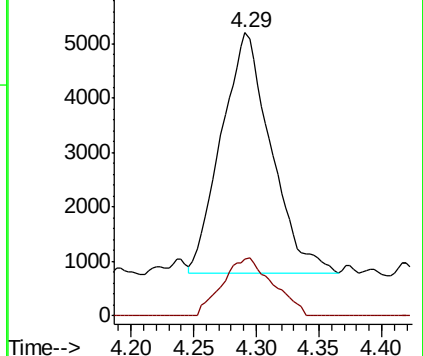
43 100

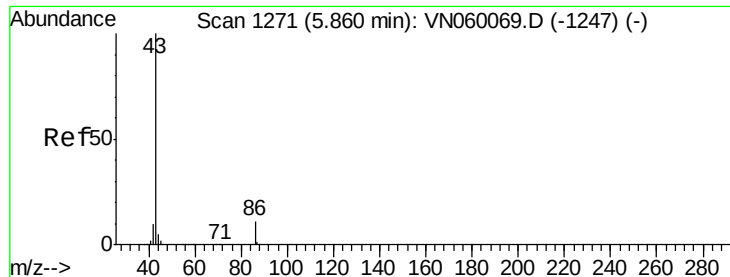
74 24.7 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#23

Vinyl Acetate

Concen: 2.401 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

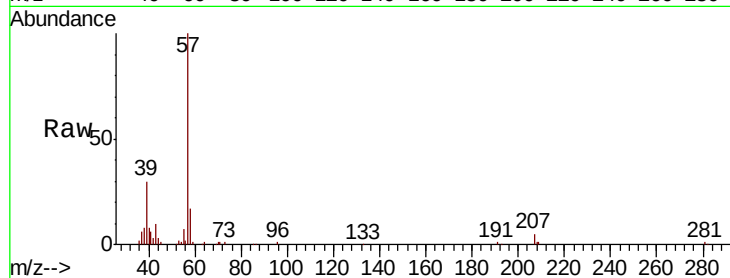
ClientSampled :

Tot Ion: 43 Resp: 13095

Ion Ratio Lower Upper

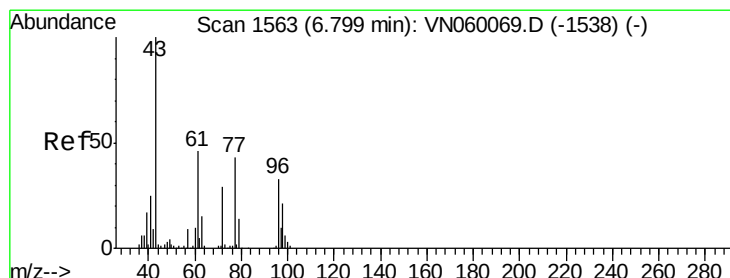
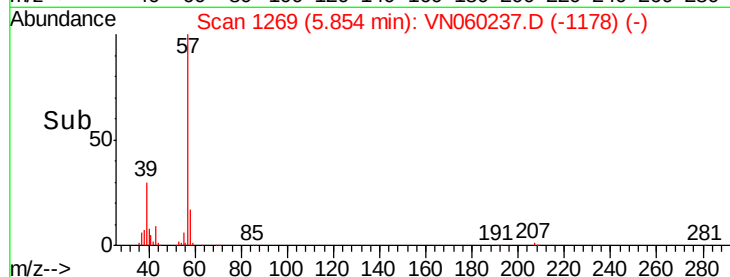
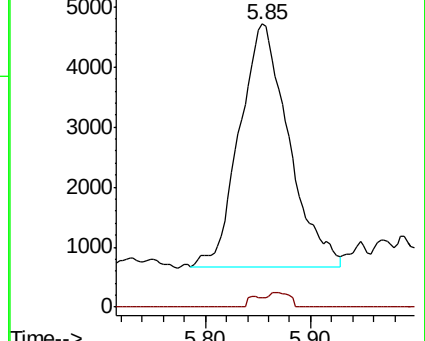
43 100

86 3.8 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN060069.D (-1247) (-)



#25

2-Butanone

Concen: 2615.357 ug/l

RT: 6.61 min Scan# 1505

Delta R.T. -0.19 min

Lab File: VN060237.D

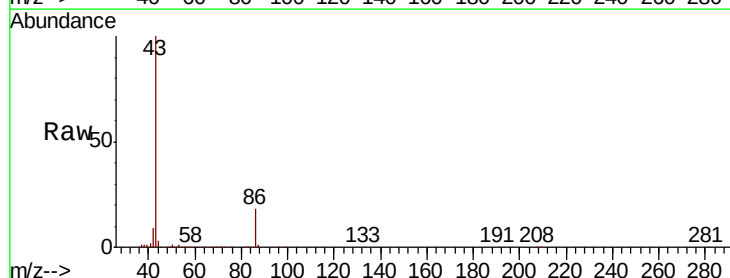
Acq: 25 Feb 2020 16:21

Tgt Ion: 43 Resp: 3717538

Ion Ratio Lower Upper

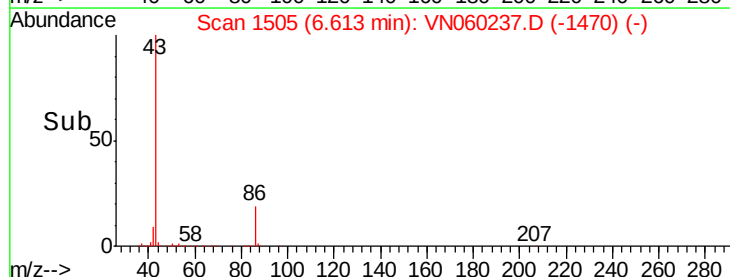
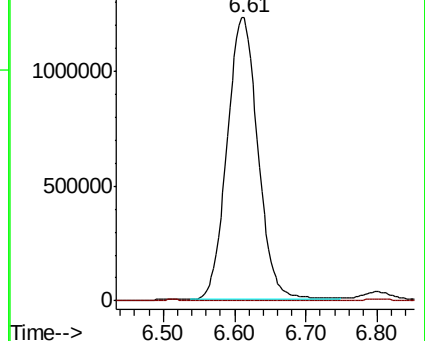
43 100

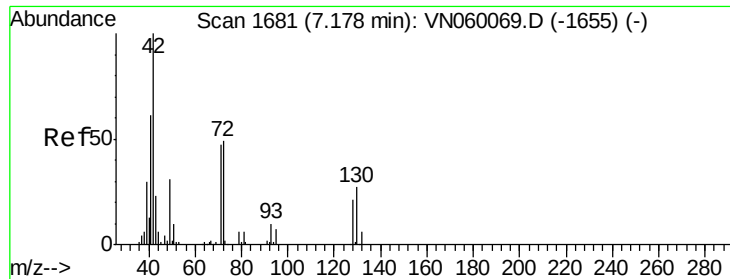
72 0.0 23.3 34.9#



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

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

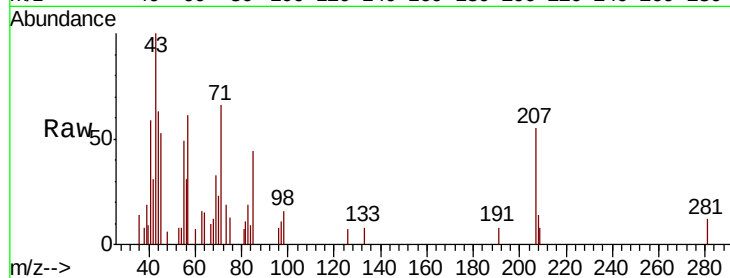




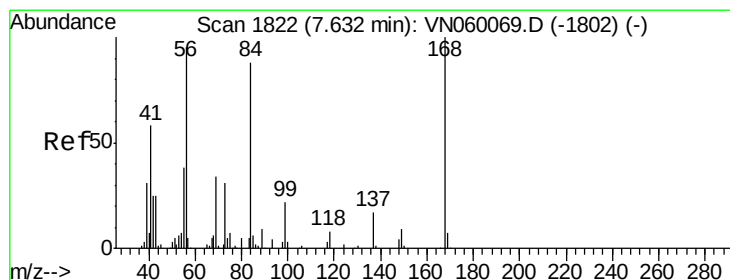
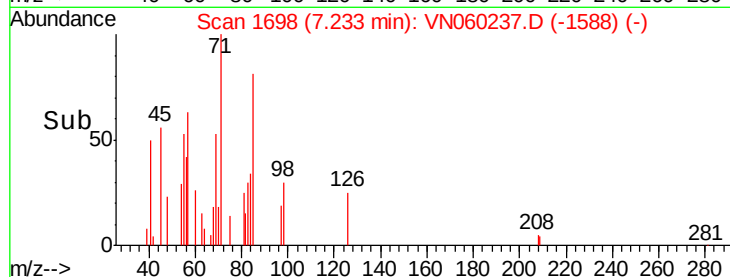
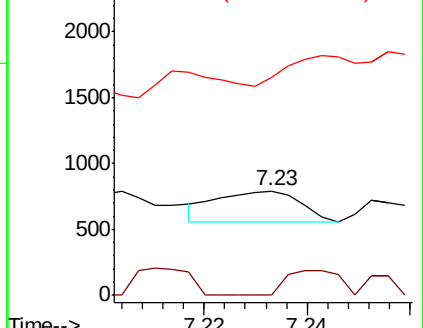
#29
Tetrahydrofuran
Concen: 0.297 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.05 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 259
Ion Ratio Lower Upper
42 100
72 51.4 38.2 57.4
71 49.4 36.6 54.8

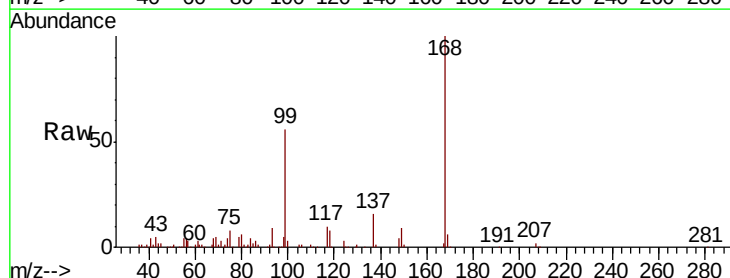


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

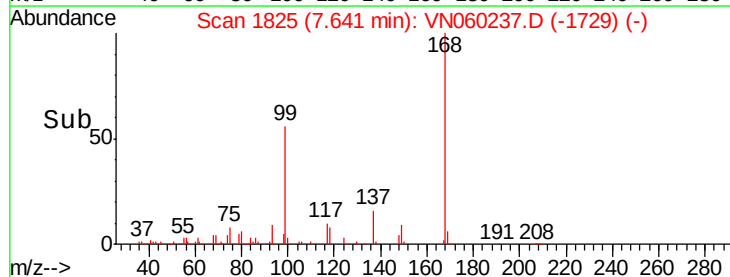
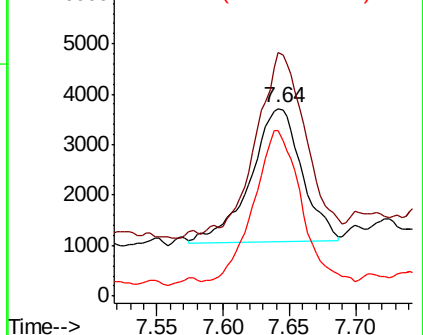


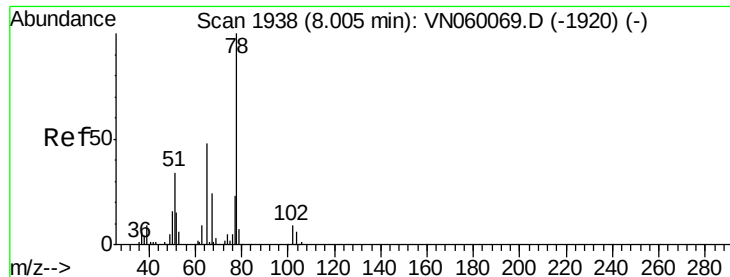
#31
Cyclohexane
Concen: 1.959 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 56 Resp: 7180
Ion Ratio Lower Upper
56 100
69 135.1 28.3 42.5#
84 111.5 72.6 108.8#



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

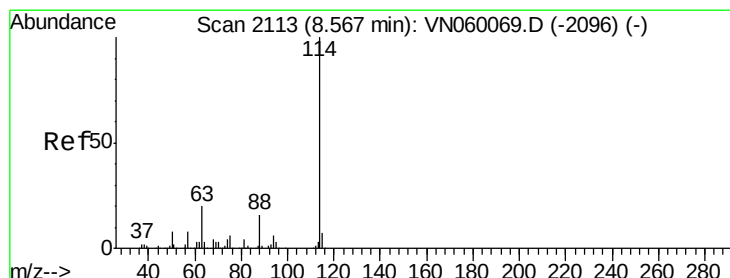
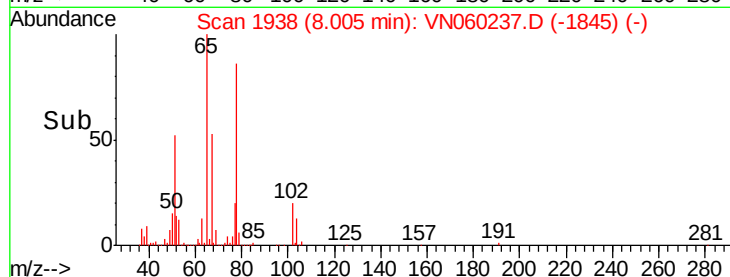
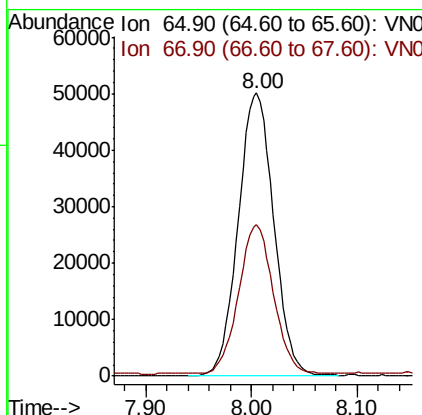
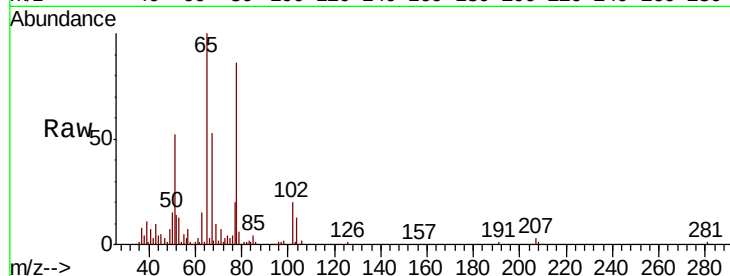




#33
 1,2-Dichloroethane-d4
 Concen: 45.439 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

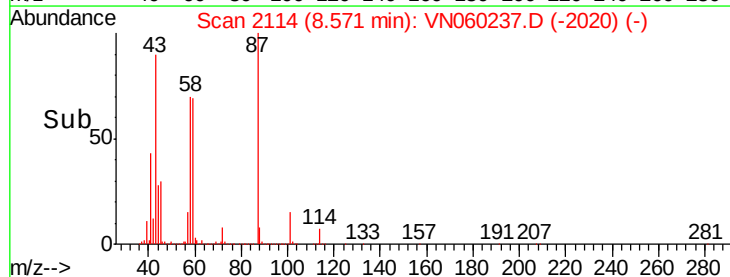
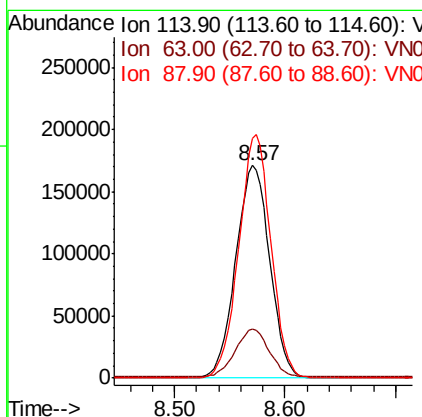
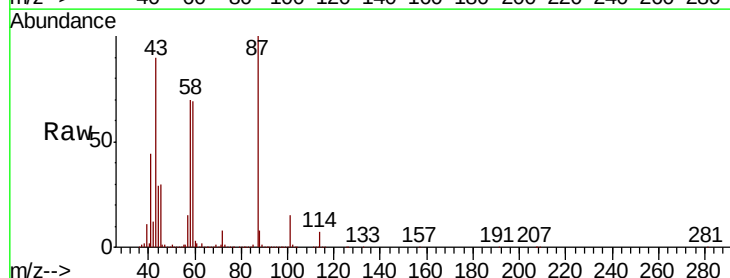
Instrument :
 MSVOA_N
 ClientSampleId :

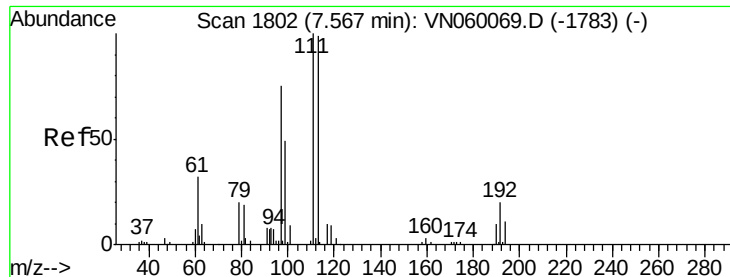
Tot Ion: 65 Resp: 117735
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion: 114 Resp: 365271
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 40.0
 88 113.0 0.0 31.6#

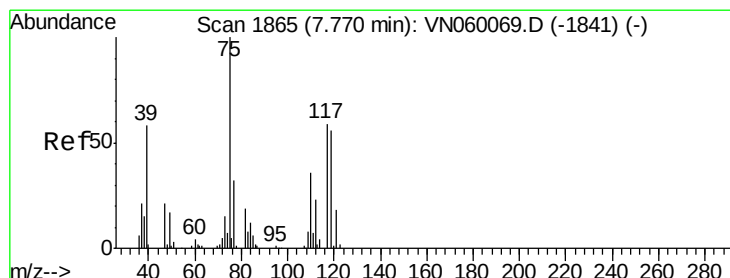
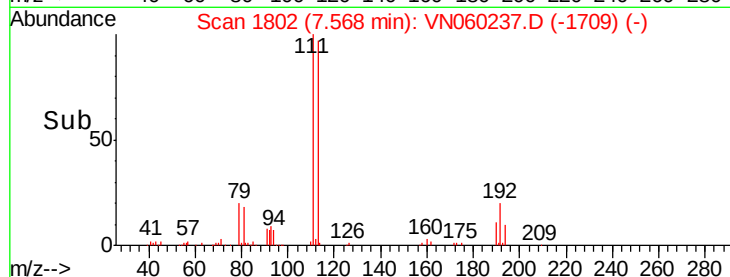
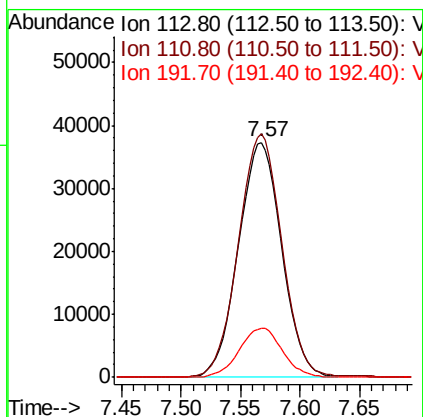
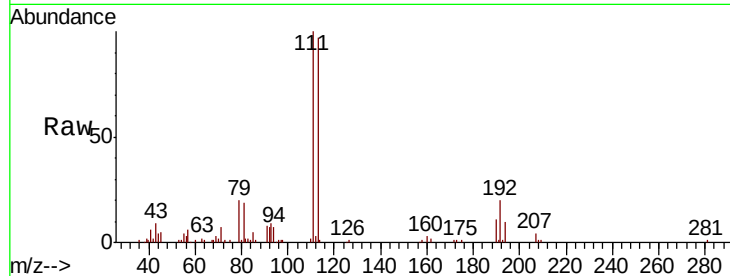




#35
 Dibromofluoromethane
 Concen: 41.876 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

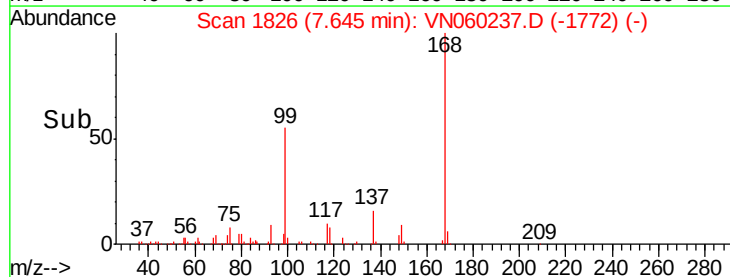
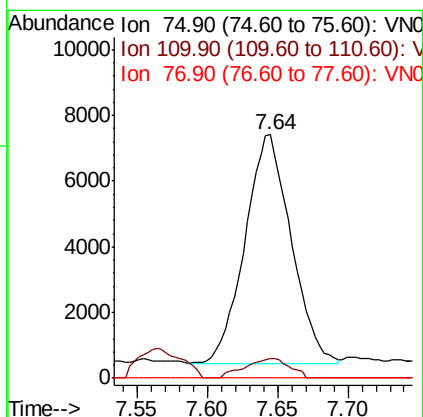
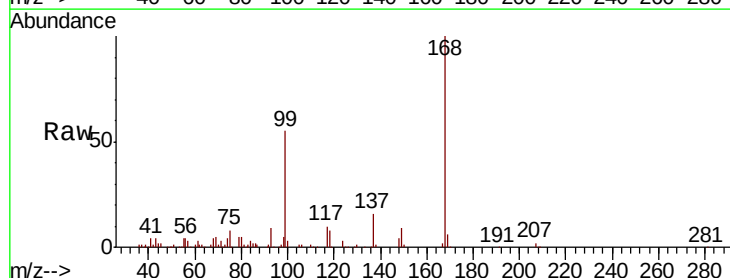
Instrument :
 MSVOA_N
 ClientSampled :

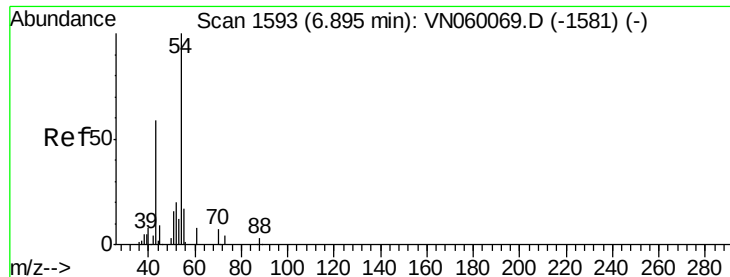
Tot Ion:113 Resp: 94026
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.4 122.2
 192 20.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.693 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion: 75 Resp: 15879
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.1 54.3#
 77 0.0 25.1 37.7#

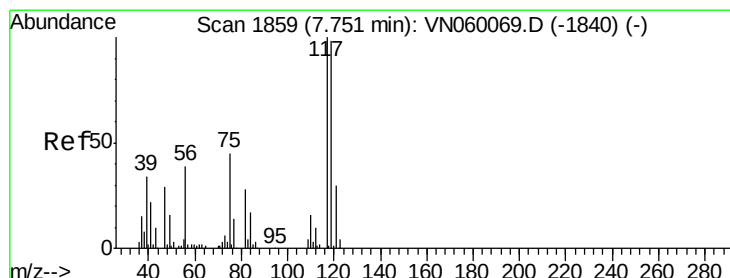
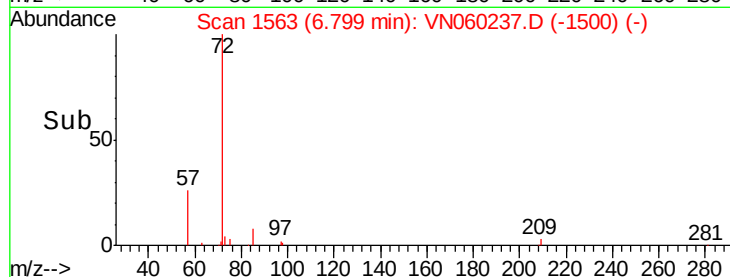
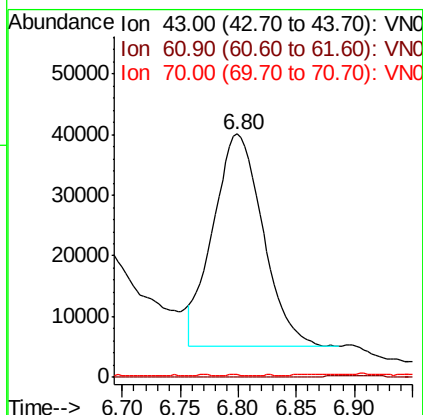
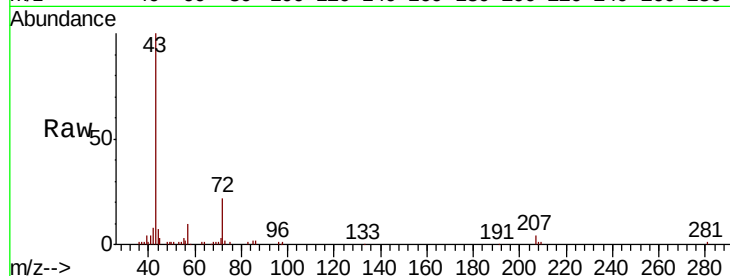




#37
Ethyl Acetate
Concen: 34.308 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

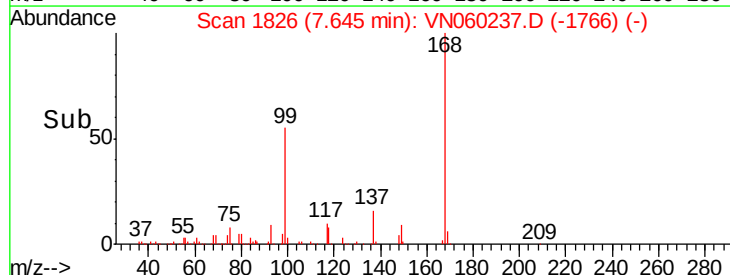
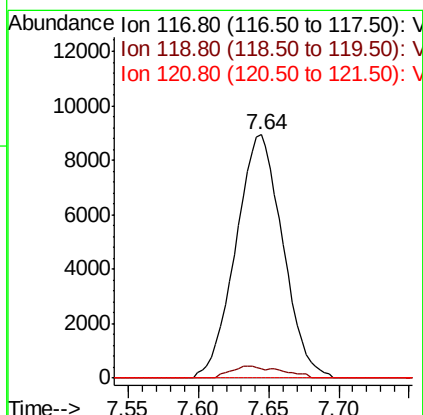
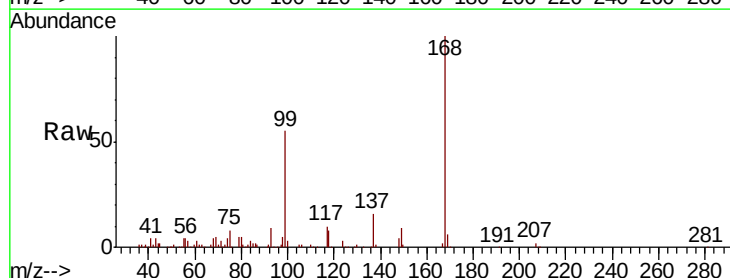
Instrument :
MSVOA_N
ClientSampleId :

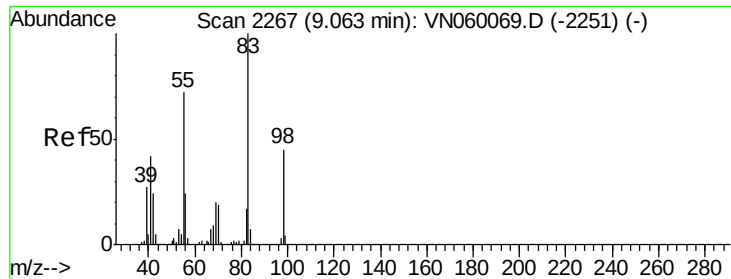
Tot Ion: 43 Resp: 104904
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.2#
70 0.1 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.658 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 117 Resp: 20790
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.4#
121 0.0 24.2 36.2#

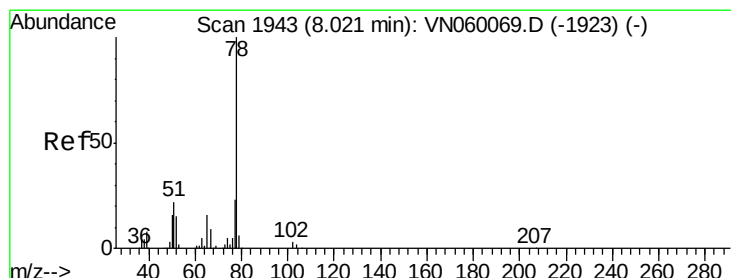
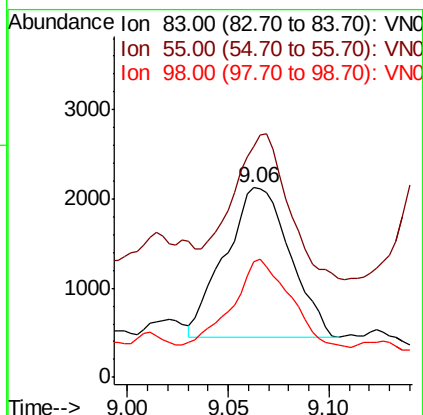
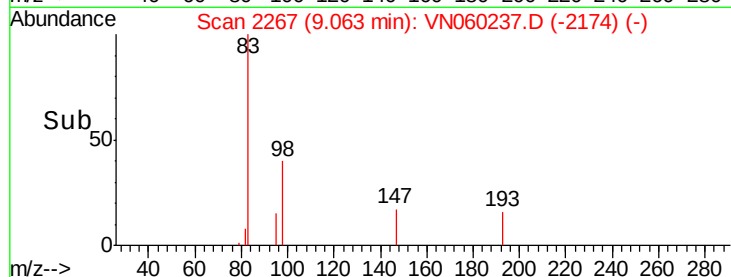
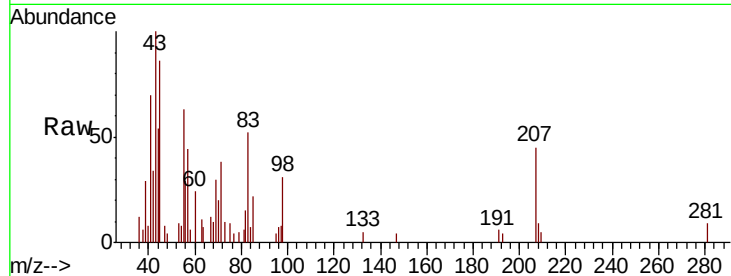




#39
Methylvlcyclohexane
Concen: 0.897 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

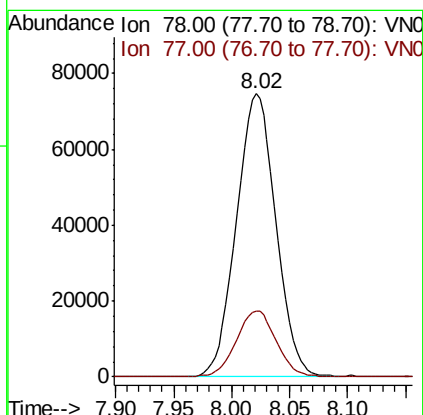
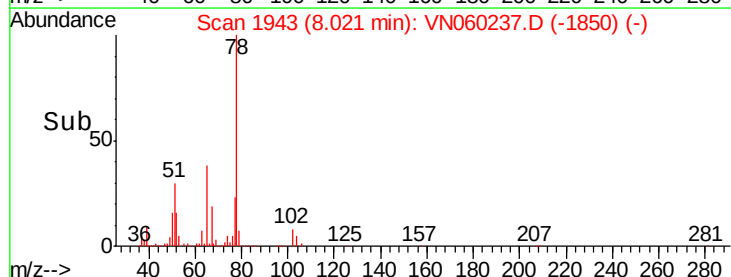
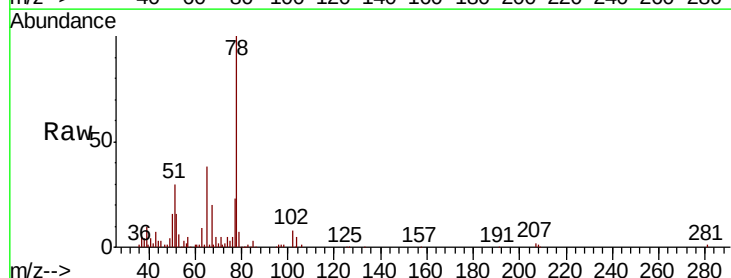
Instrument :
MSVOA_N
ClientSampleId :

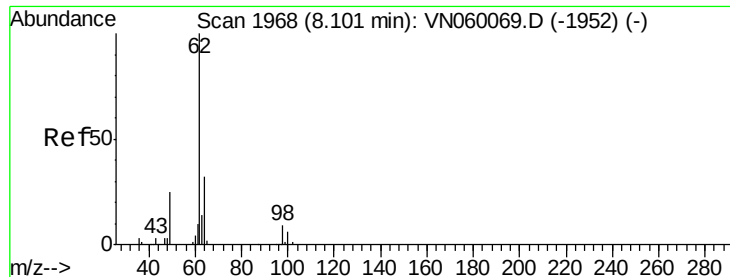
Tot Ion: 83 Resp: 3768
Ion Ratio Lower Upper
83 100
55 88.2 57.8 86.8#
98 55.2 36.4 54.6#



#40
Benzene
Concen: 17.584 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 78 Resp: 176473
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

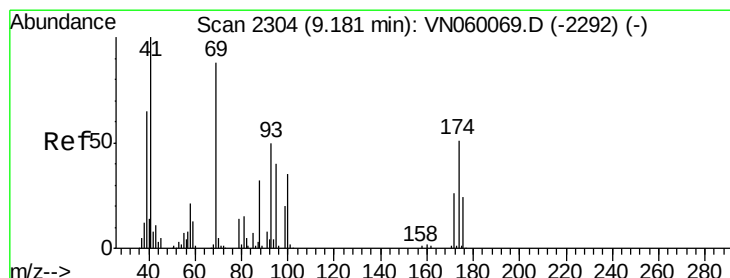
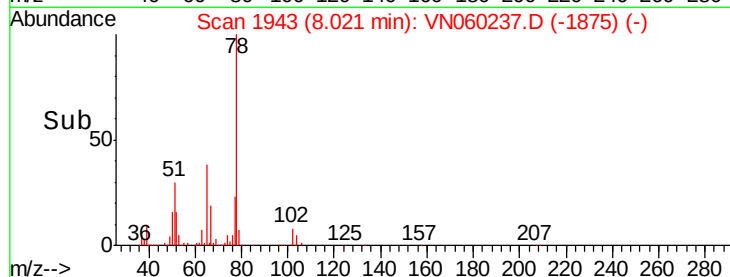
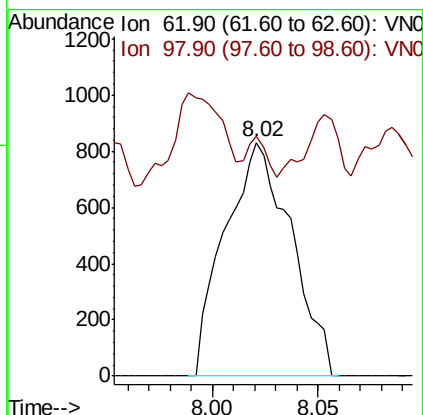
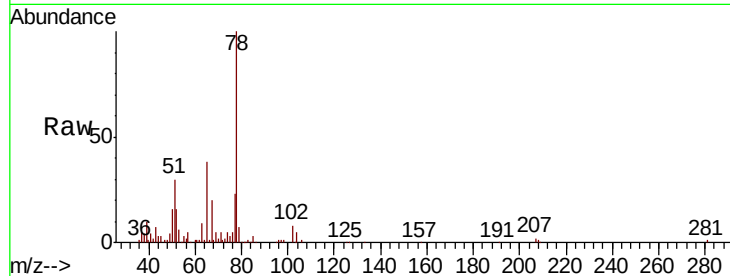




#42
 1,2-Dichloroethane
 Concen: 0.515 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. -0.08 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

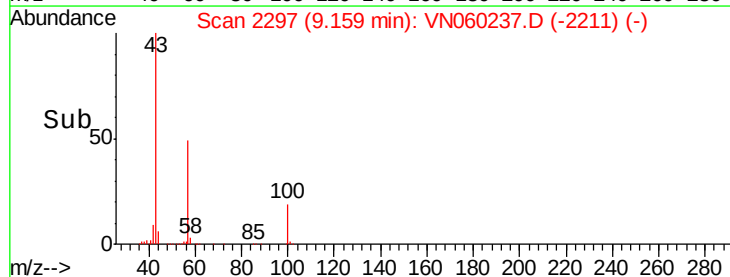
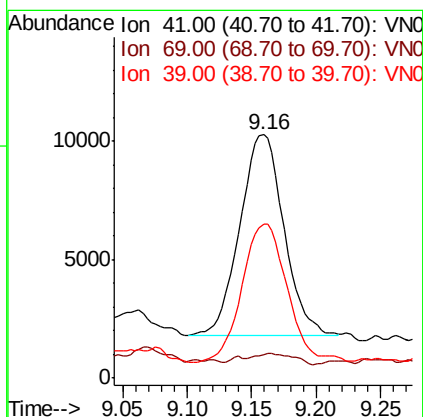
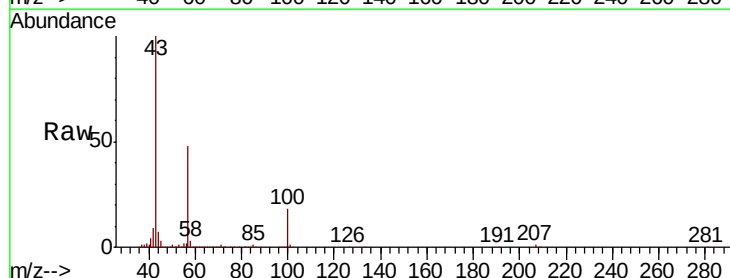
Instrument :
 MSVOA_N
 ClientSampleId :

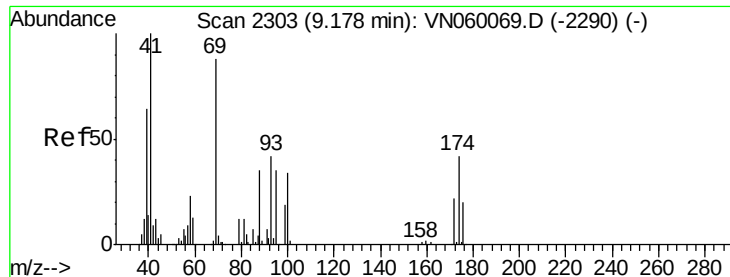
Tot Ion: 62 Resp: 1813
 Ion Ratio Lower Upper
 62 100
 98 4.5 0.0 18.2



#48
 Methyl methacrylate
 Concen: 8.576 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion: 41 Resp: 20113
 Ion Ratio Lower Upper
 41 100
 69 4.7 72.0 108.0#
 39 70.2 54.1 81.1





#49

1,4-Dioxane

Concen: 83.880 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :

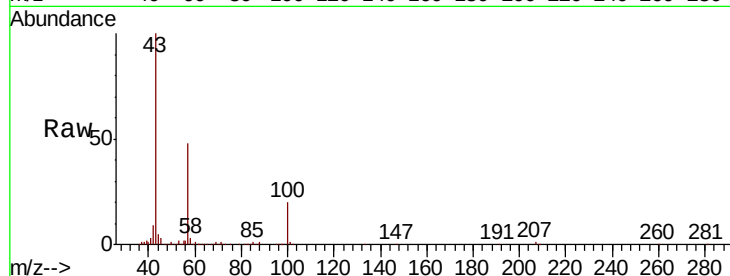
Tot Ion: 88 Resp: 3361

Ion Ratio Lower Upper

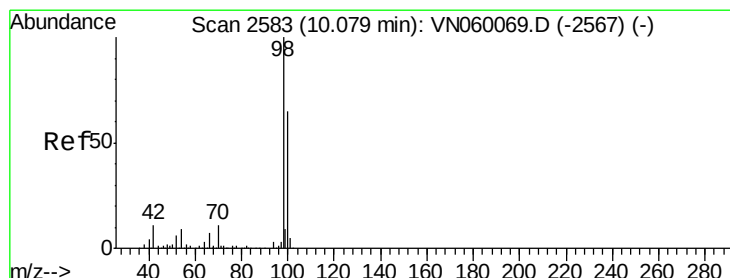
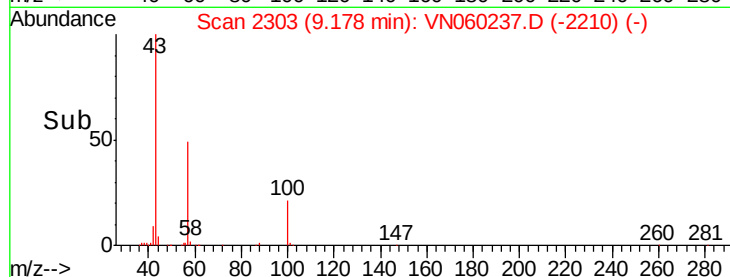
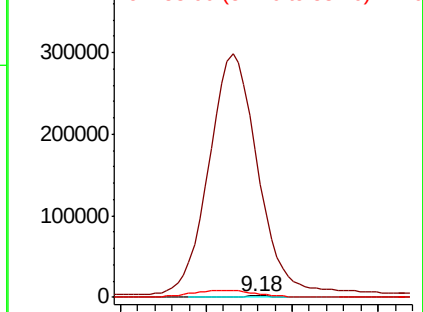
88 100

43 17548.7 26.2 39.2#

58 733.7 53.2 79.8#



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



#50

Toluene-d8

Concen: 47.802 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060237.D

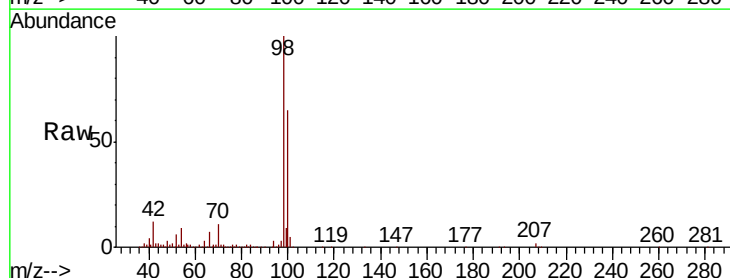
Acq: 25 Feb 2020 16:21

Tgt Ion: 98 Resp: 422664

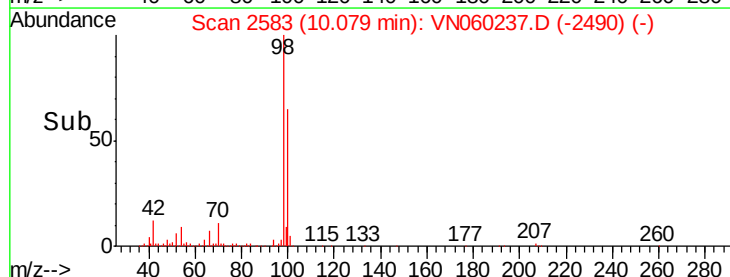
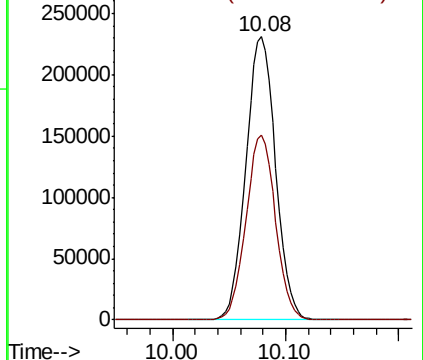
Ion Ratio Lower Upper

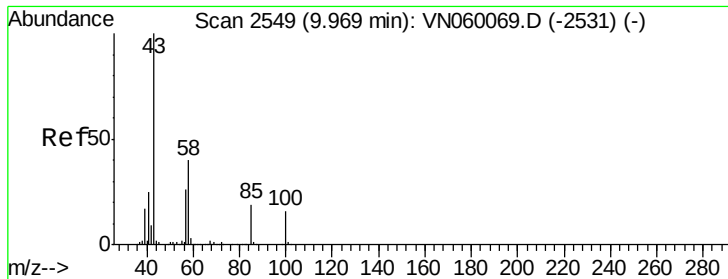
98 100

100 64.7 51.7 77.5



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

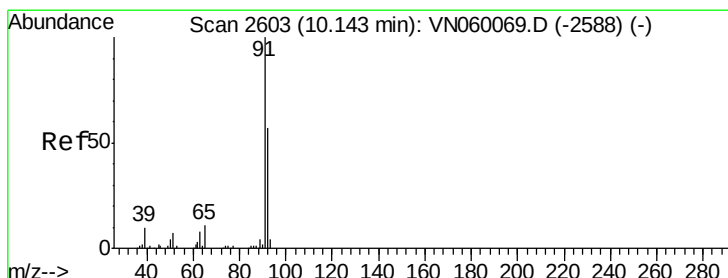
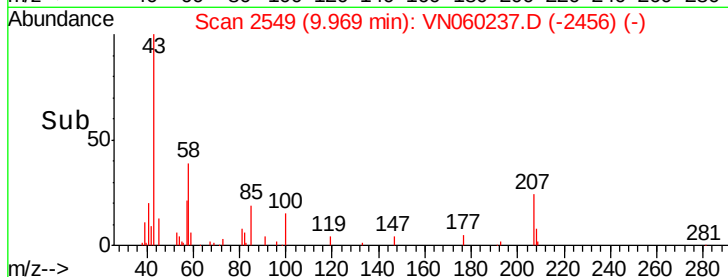
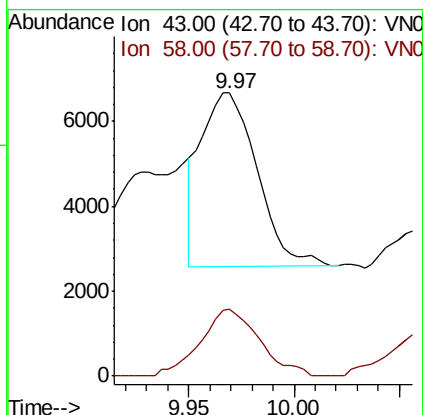
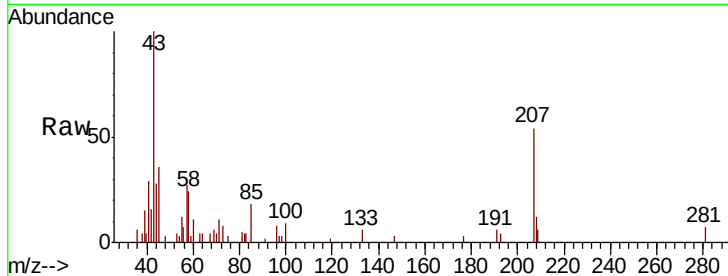




#51
4-Methyl-2-Pentanone
Concen: 2.500 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

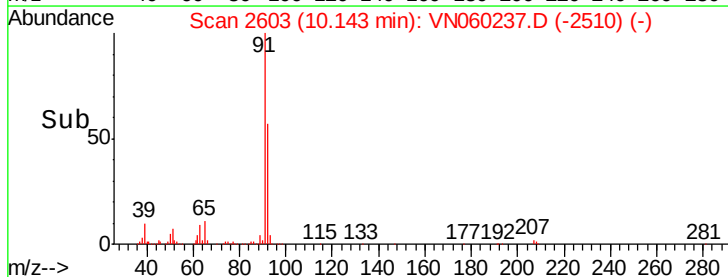
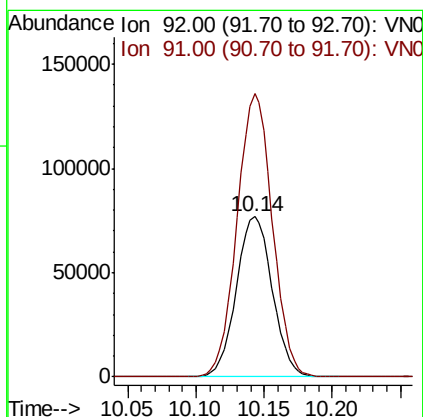
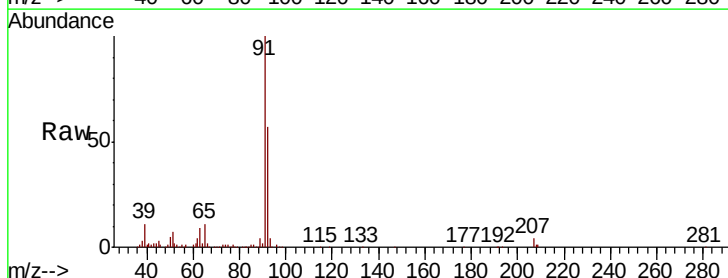
Instrument :
MSVOA_N
ClientSampleId :

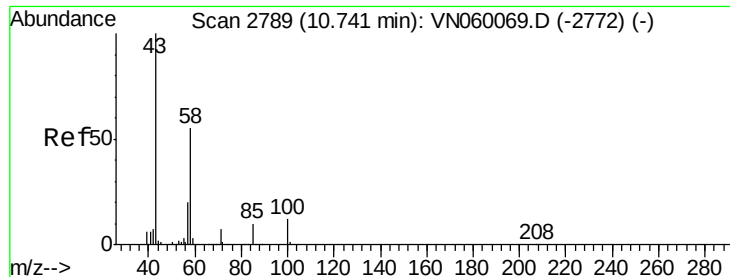
Tot Ion: 43 Resp: 7565
Ion Ratio Lower Upper
43 100
58 40.6 31.8 47.8



#52
Toluene
Concen: 21.861 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 92 Resp: 140692
Ion Ratio Lower Upper
92 100
91 173.9 140.9 211.3





#59

2-Hexanone

Concen: 4.016 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

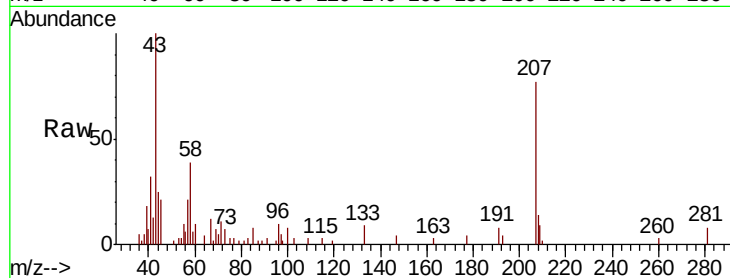
ClientSampled :

Tot Ion: 43 Resp: 9386

Ion Ratio Lower Upper

43 100

58 46.4 27.5 82.4



Abundance Ion 43.00 (42.70 to 43.70): VN060237.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN060237.D (-2696) (-)

10.74

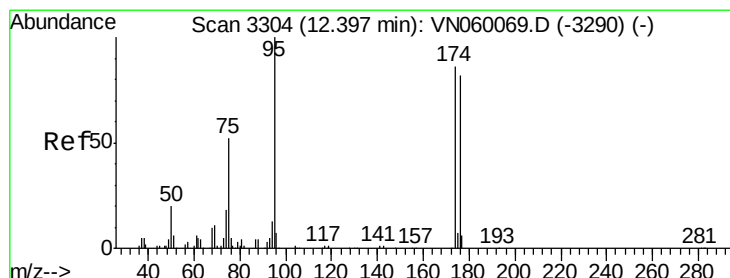
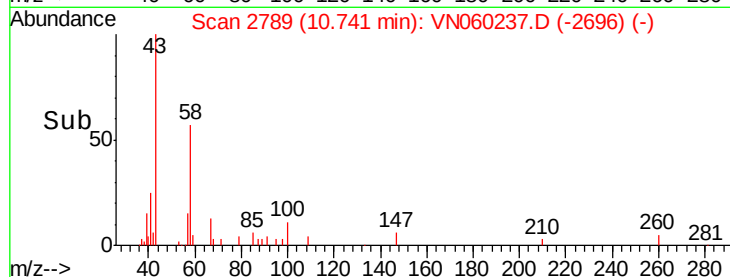
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.346 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

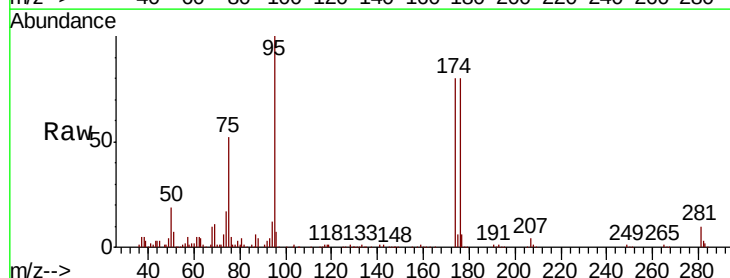
Tgt Ion: 95 Resp: 134335

Ion Ratio Lower Upper

95 100

174 81.0 0.0 169.8

176 79.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060237.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060237.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060237.D (-3211) (-)

12.40

100000

80000

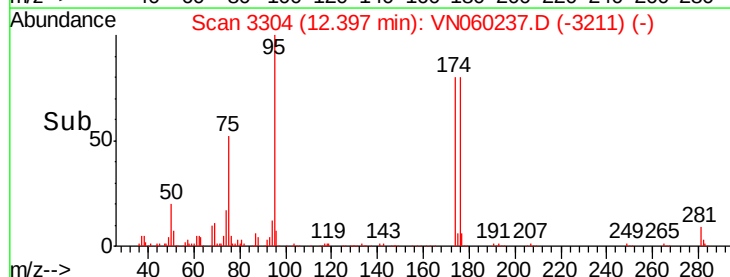
60000

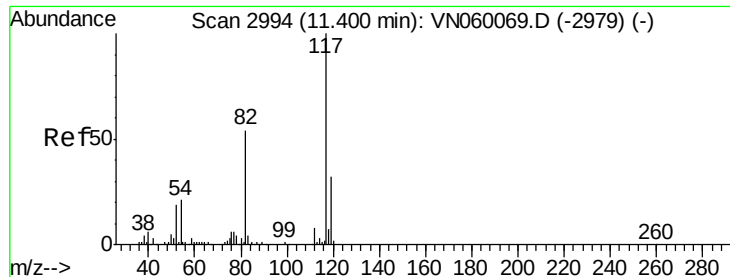
40000

20000

0

Time-->

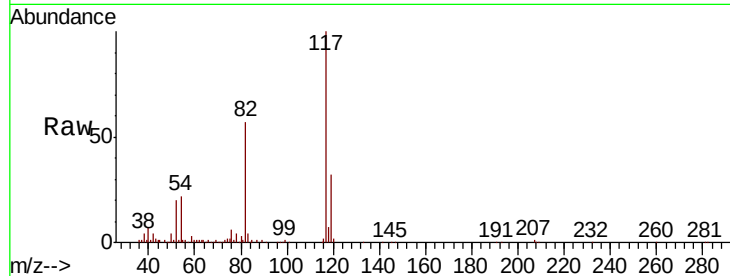




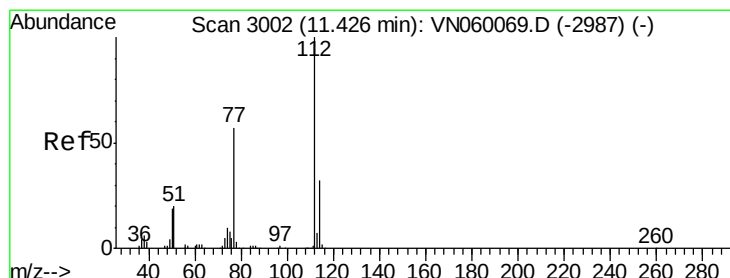
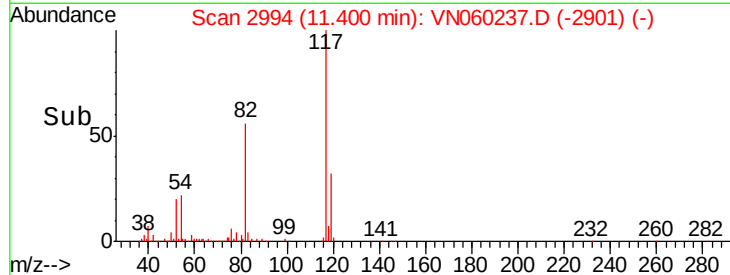
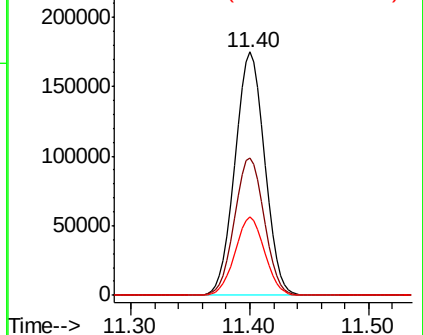
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 302689
Ion Ratio Lower Upper
117 100
82 56.5 43.4 65.0
119 32.1 25.8 38.6

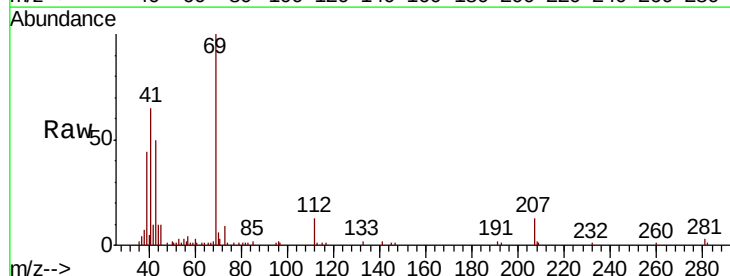


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

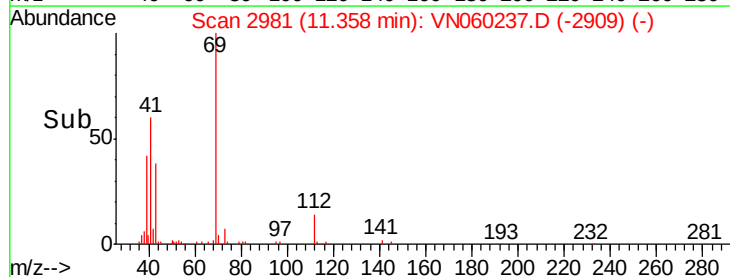
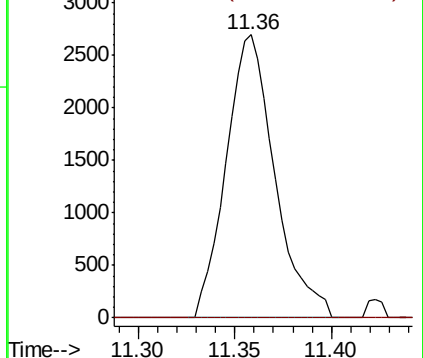


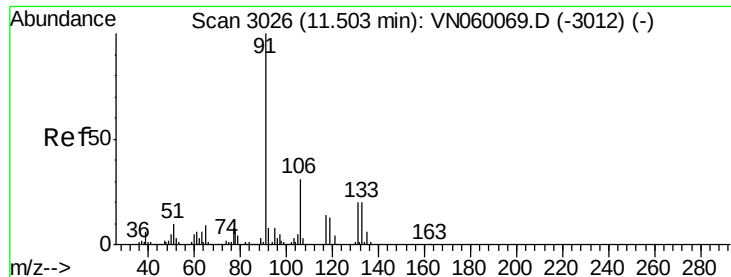
#65
Chlorobenzene
Concen: 0.765 ug/l
RT: 11.36 min Scan# 2981
Delta R.T. -0.07 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion:112 Resp: 4720
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

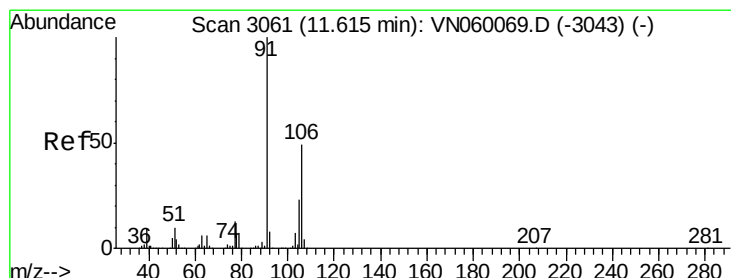
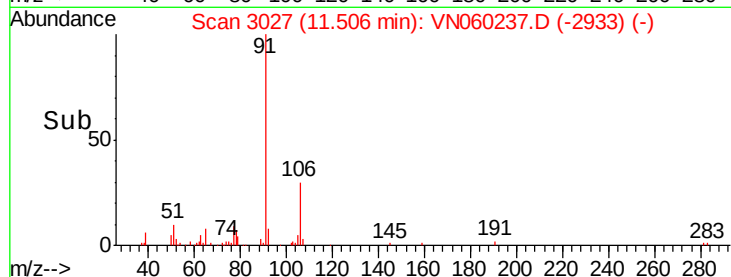
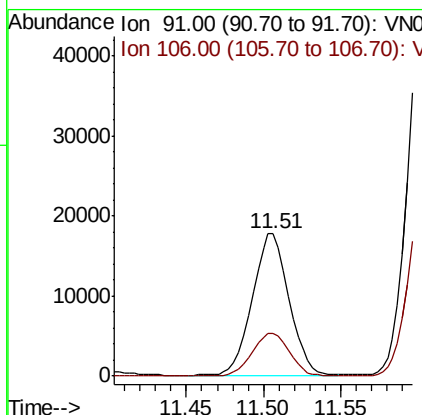
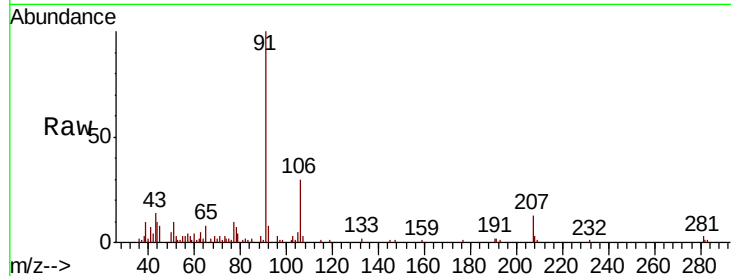




#67
Ethyl Benzene
Concen: 2.676 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

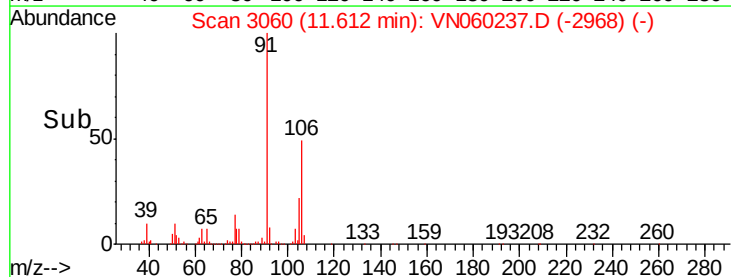
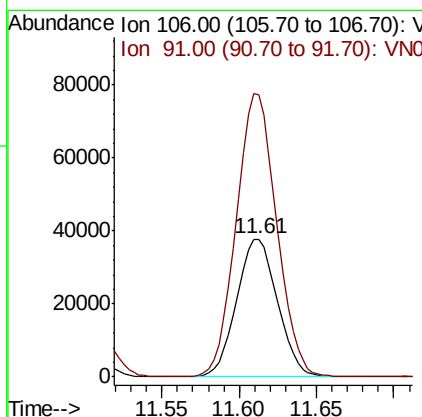
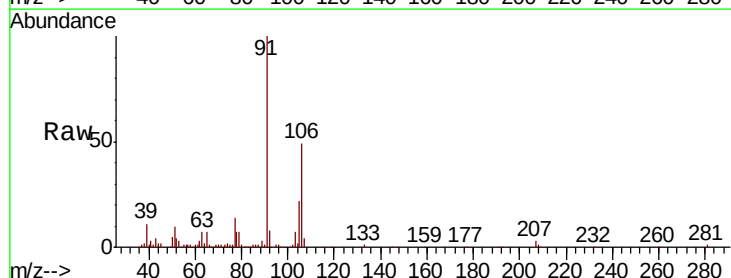
Instrument :
MSVOA_N
ClientSampled :

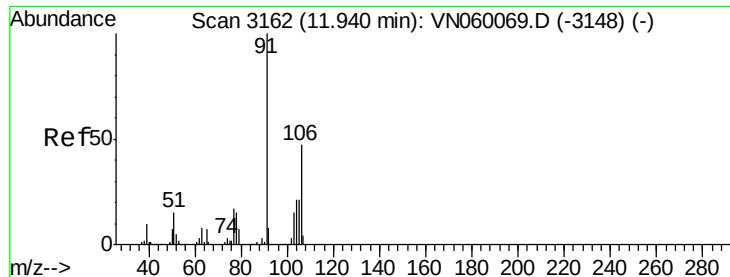
Tot Ion: 91 Resp: 29758
Ion Ratio Lower Upper
91 100
106 30.1 25.1 37.7



#68
m/p-Xylenes
Concen: 16.625 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 106 Resp: 69401
Ion Ratio Lower Upper
106 100
91 202.2 162.7 244.1





#69

o-Xylene

Concen: 7.189 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

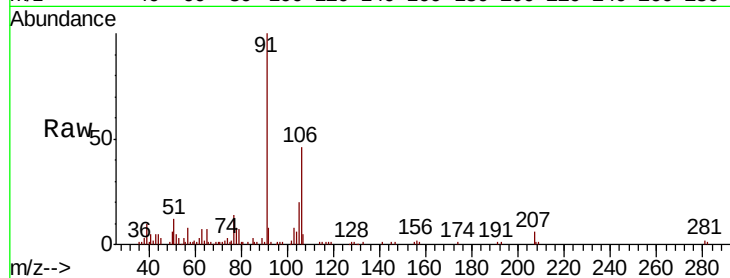
ClientSampleId :

Tot Ion:106 Resp: 28893

Ion Ratio Lower Upper

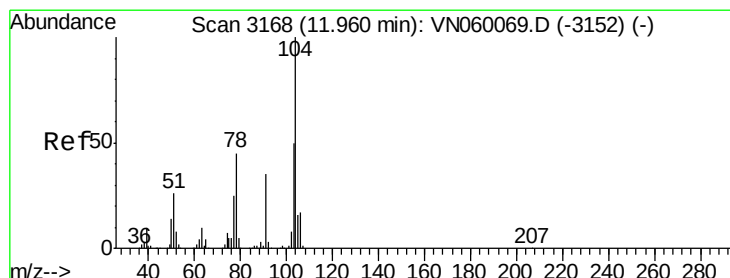
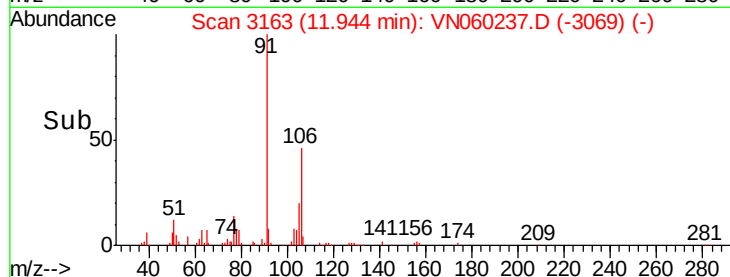
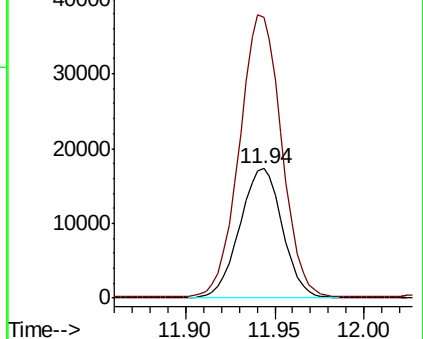
106 100

91 213.1 107.2 321.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 1.186 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

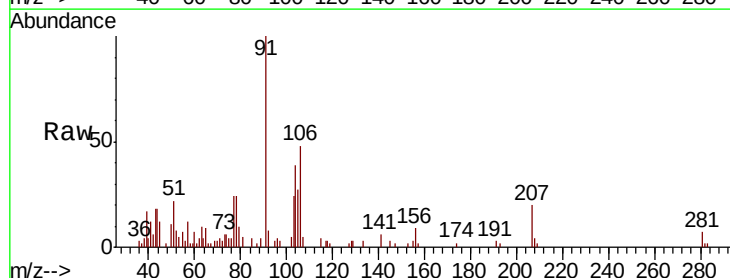
Tgt Ion:104 Resp: 7690

Ion Ratio Lower Upper

104 100

78 94.7 40.2 60.2#

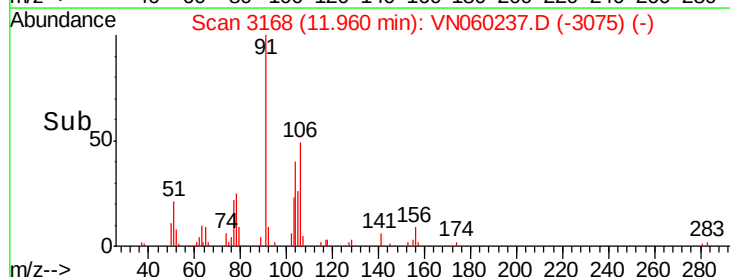
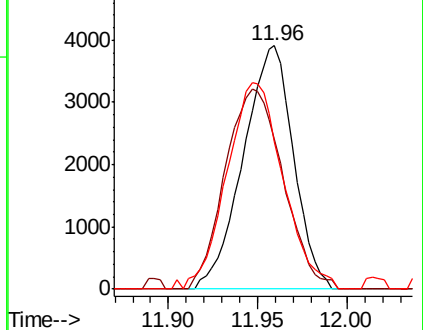
103 95.4 44.3 66.5#

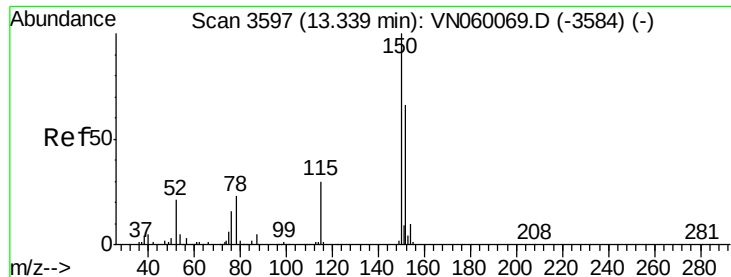


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

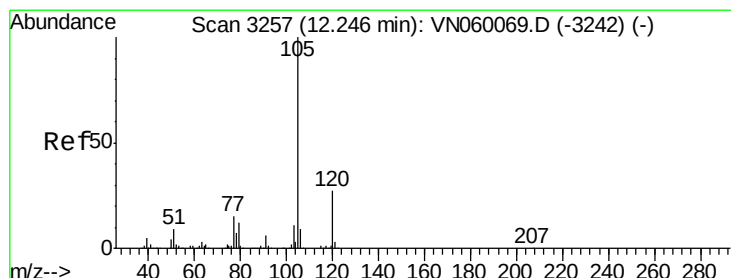
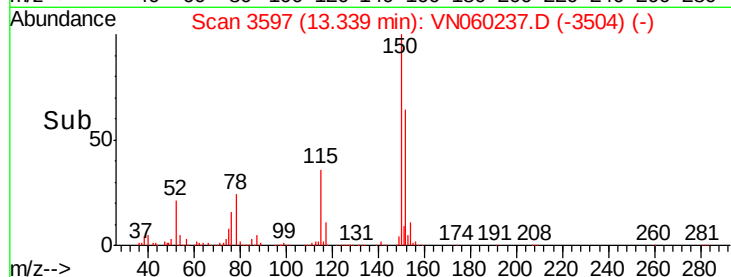
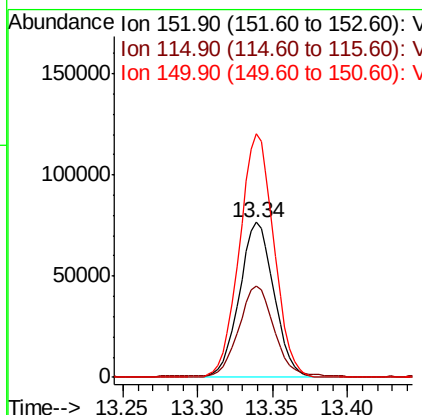
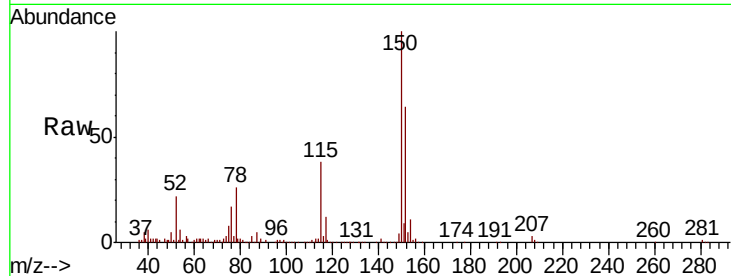




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

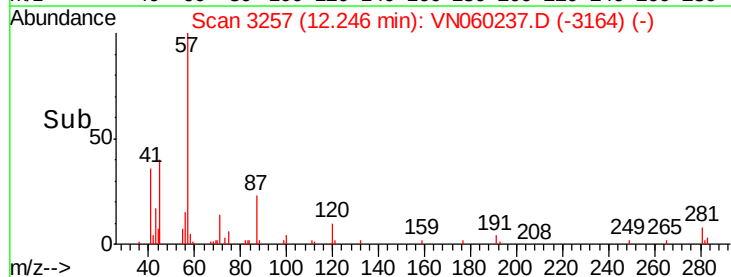
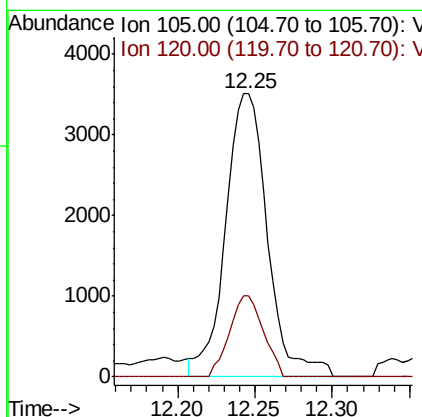
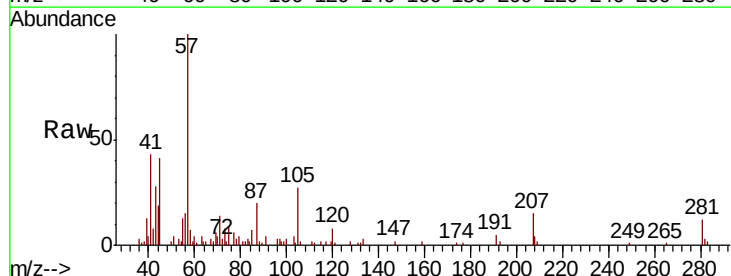
Instrument :
 MSVOA_N
 ClientSampled :

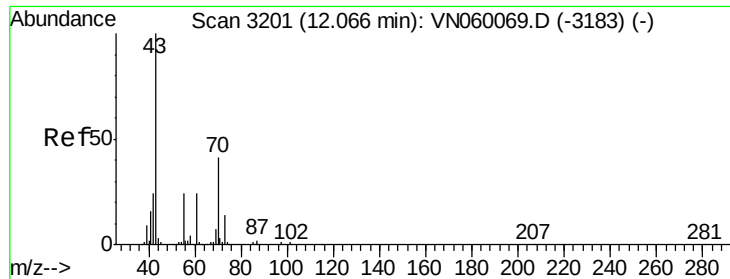
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.9	86.8
150	156.2	0.0	342.4



#73
 Isopropylbenzene
 Concen: 0.719 ug/l
 RT: 12.25 min Scan# 3257
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.0	13.3	39.8





#74

N-amvl acetate

Concen: 2.901 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 9616

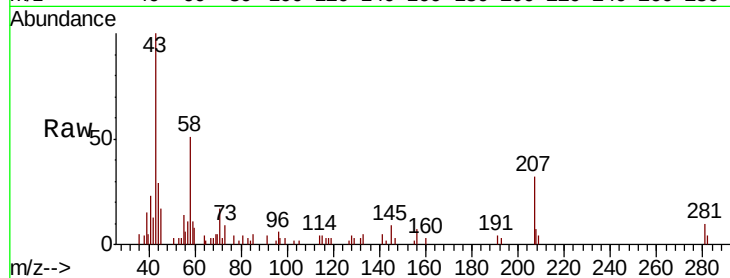
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 5.0 18.8 28.2#

61 0.0 19.2 28.8#

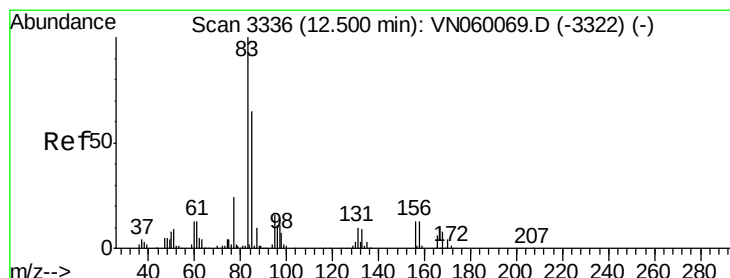
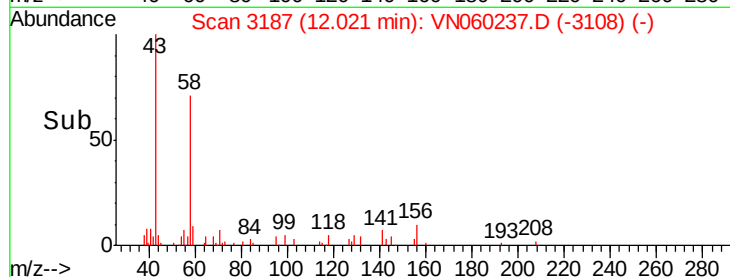
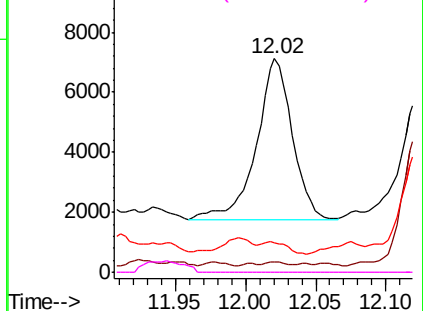


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.257 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.03 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

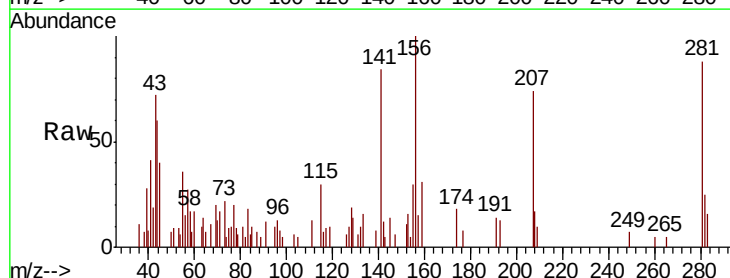
Tgt Ion: 83 Resp: 680

Ion Ratio Lower Upper

83 100

131 21.8 5.2 15.6#

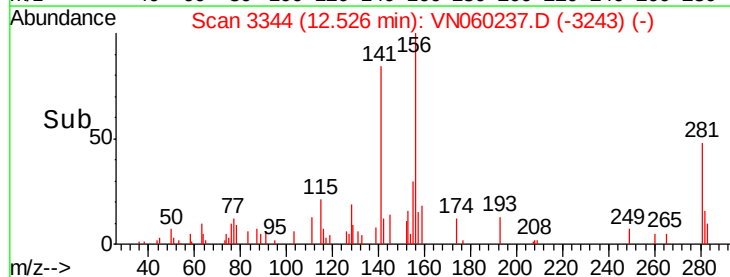
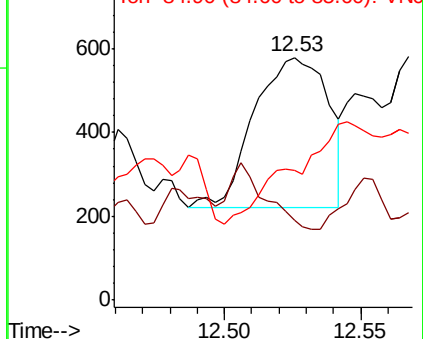
85 0.0 32.3 96.9#

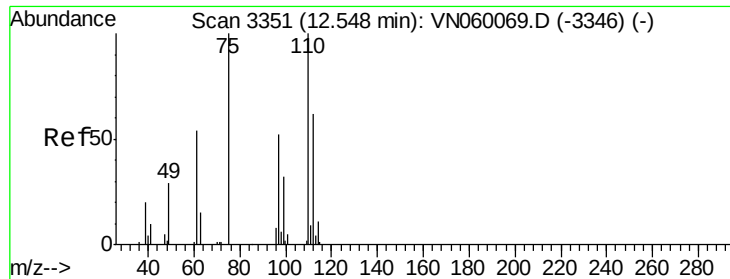


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 29.827 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

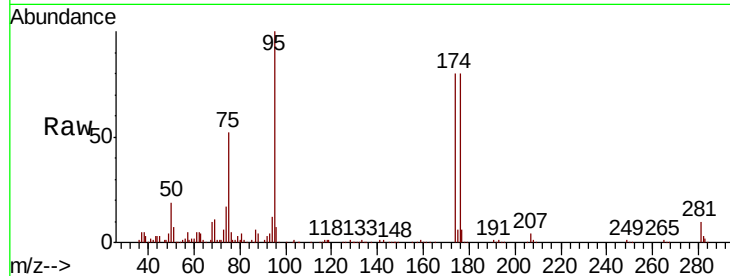
ClientSampled :

Tot Ion: 75 Resp: 70239

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)

12.40

40000

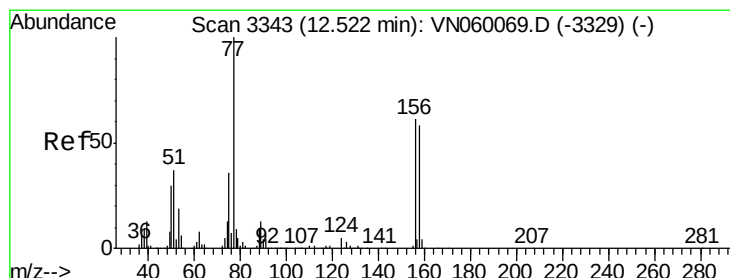
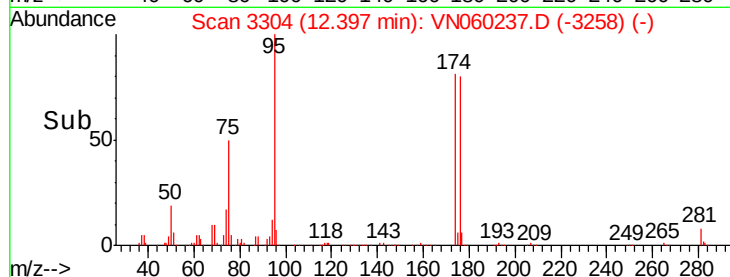
30000

20000

10000

0

Time--> 12.30 12.35 12.40 12.45



#77

Bromobenzene

Concen: 3.861 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

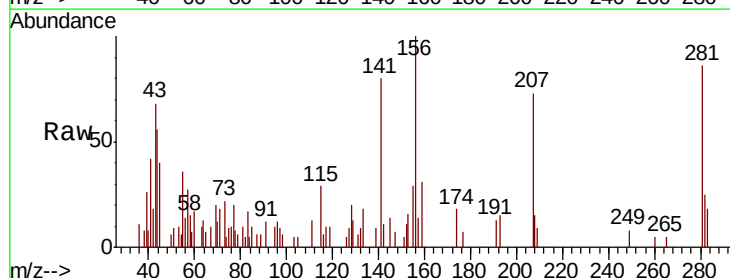
Tgt Ion: 156 Resp: 8806

Ion Ratio Lower Upper

156 100

77 4.1 98.7 296.1#

158 0.0 48.1 144.4#



Abundance Ion 155.80 (155.50 to 156.50): VN060069.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN060069.D (-3329) (-)

12.52

4000

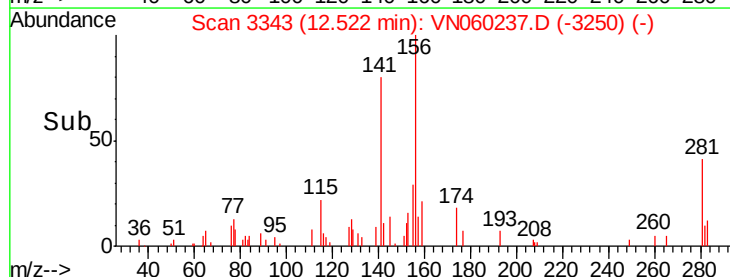
3000

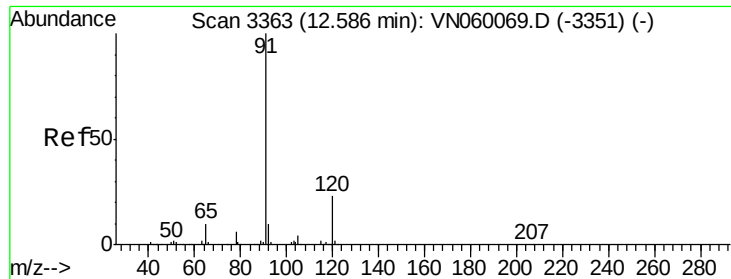
2000

1000

0

Time--> 12.40 12.45 12.50 12.55





#78

n-propylbenzene

Concen: 1.011 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060237.D

Acq: 25 Feb 2020 16:21

Instrument :

MSVOA_N

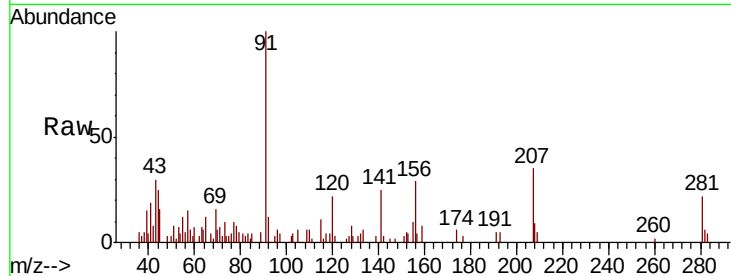
ClientSampled :

Tot Ion: 91 Resp: 10591

Ion Ratio Lower Upper

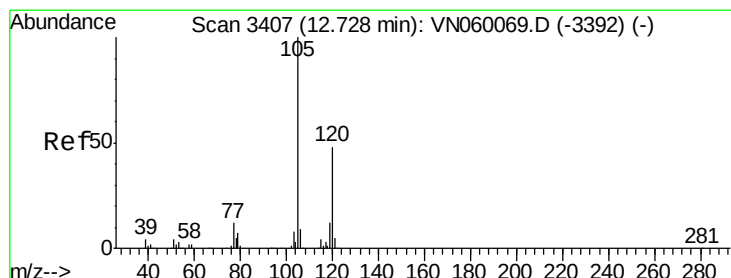
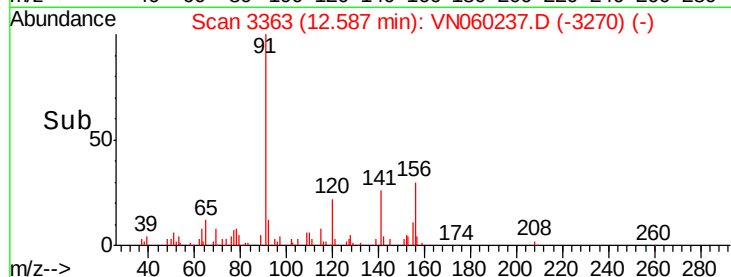
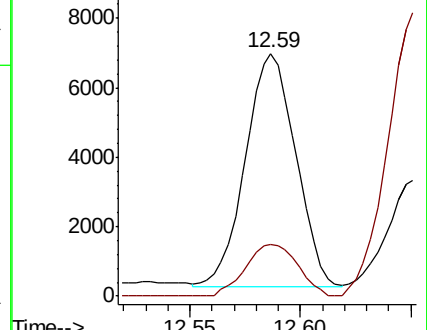
91 100

120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3351) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3351) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.122 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060237.D

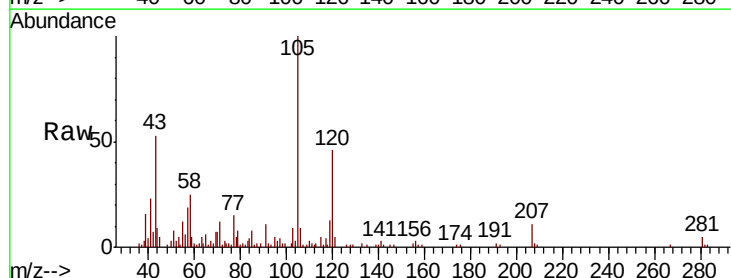
Acq: 25 Feb 2020 16:21

Tgt Ion: 105 Resp: 39142

Ion Ratio Lower Upper

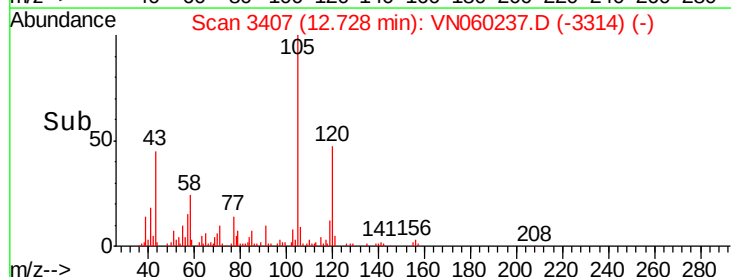
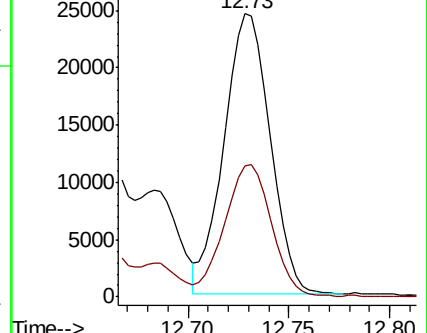
105 100

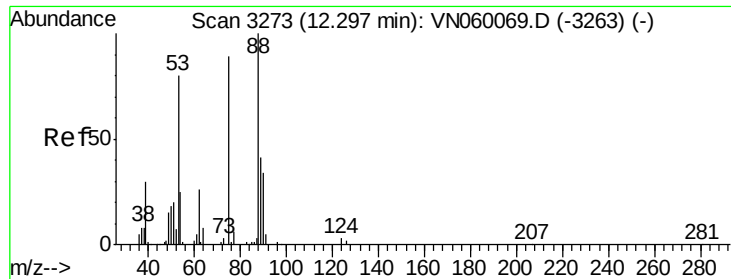
120 48.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

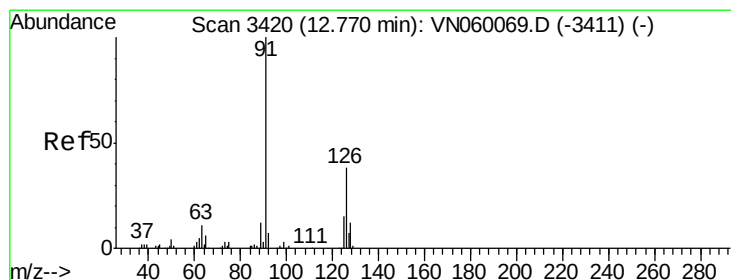
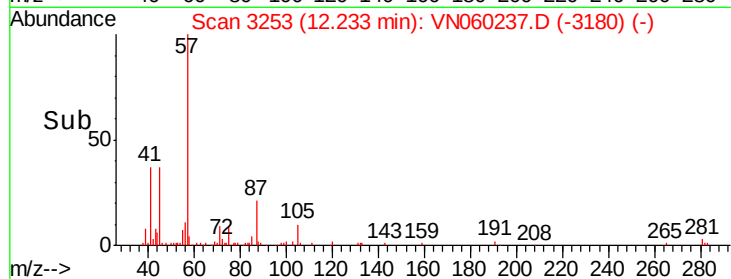
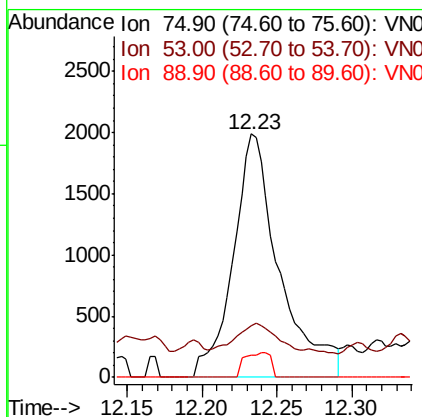
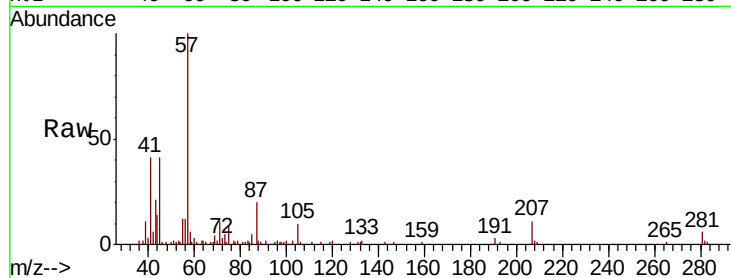




#81
trans-1,4-Dichloro-2-butene
Concen: 4.442 ug/l
RT: 12.23 min Scan# 3253
Delta R.T. -0.06 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

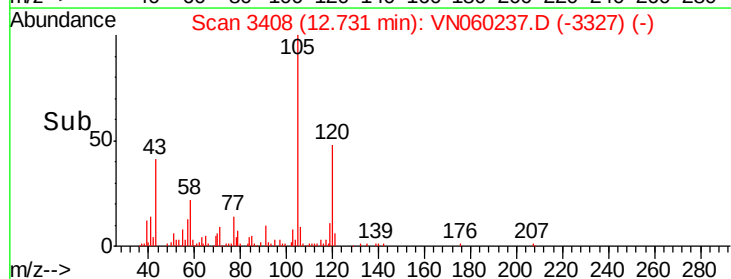
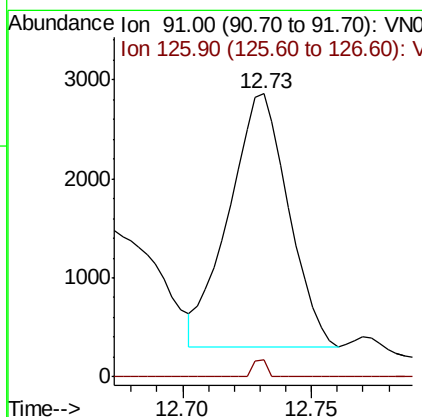
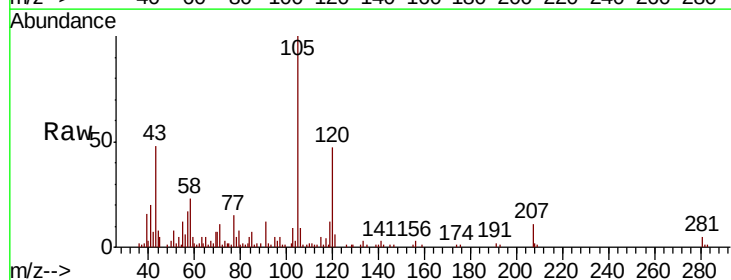
Instrument :
MSVOA_N
ClientSampled :

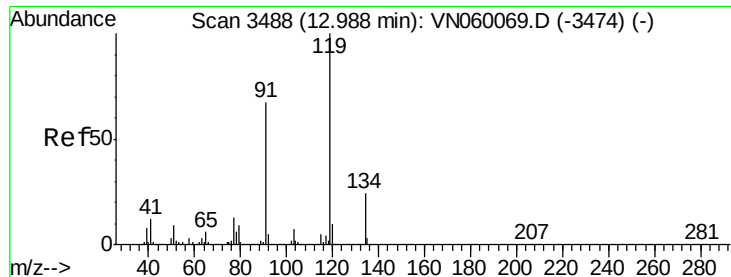
Tot Ion: 75 Resp: 4272
Ion Ratio Lower Upper
75 100
53 12.1 73.9 110.9#
89 5.8 37.0 55.4#



#82
4-Chlorotoluene
Concen: 0.649 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 91 Resp: 4096
Ion Ratio Lower Upper
91 100
126 1.5 17.1 51.3#

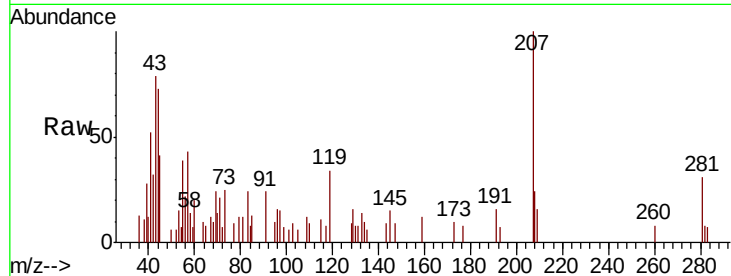




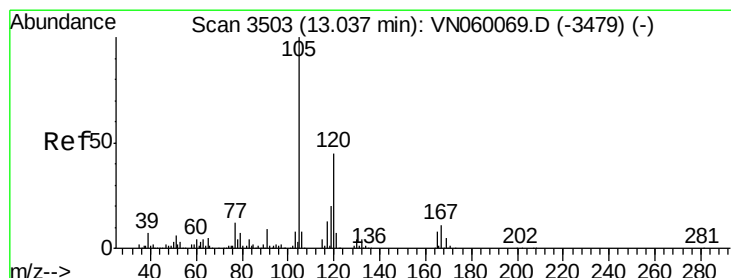
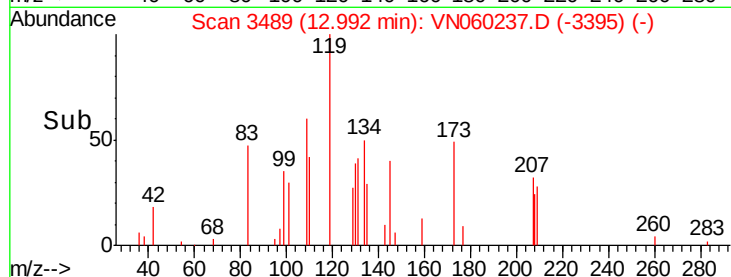
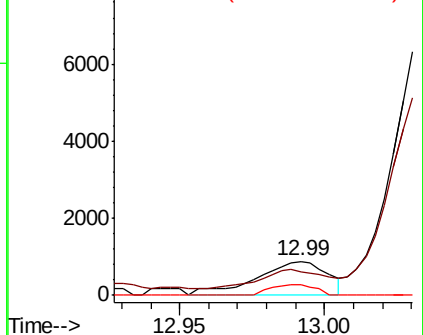
#83
 tert-Butylbenzene
 Concen: 0.221 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 1495
 Ion Ratio Lower Upper
 119 100
 91 52.2 32.7 98.1
 134 19.5 12.9 38.7

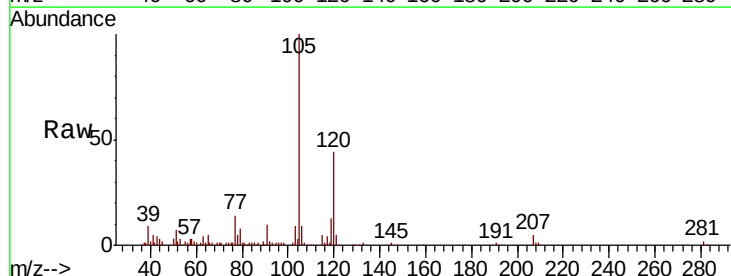


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

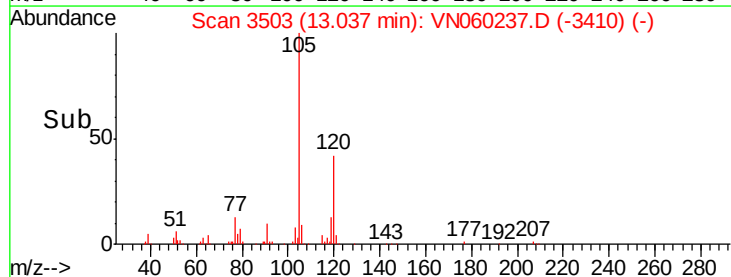
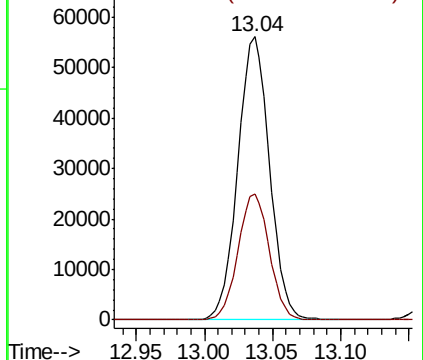


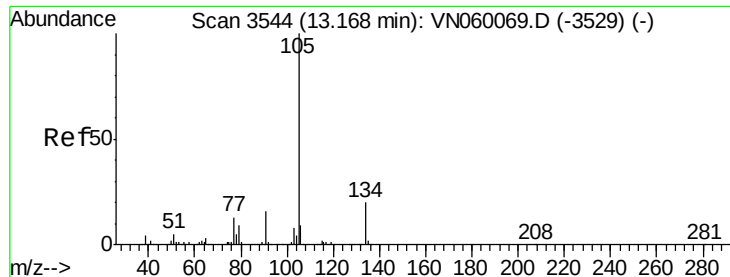
#84
 1,2,4-Trimethylbenzene
 Concen: 12.045 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion:105 Resp: 90866
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

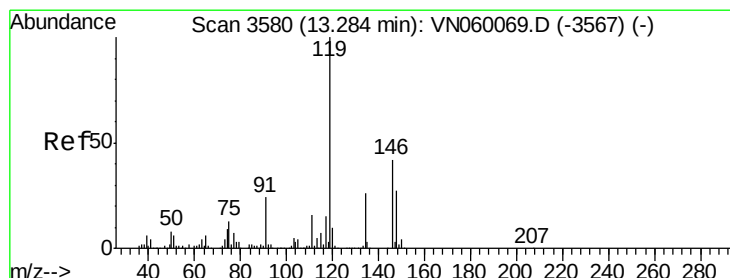
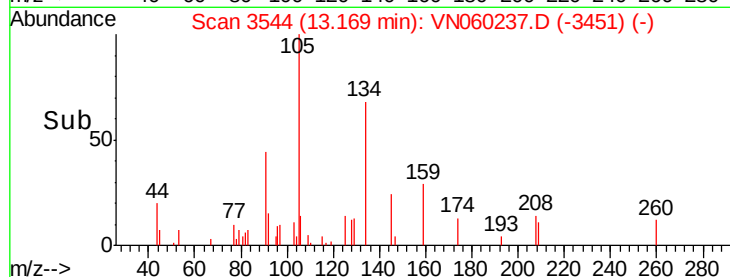
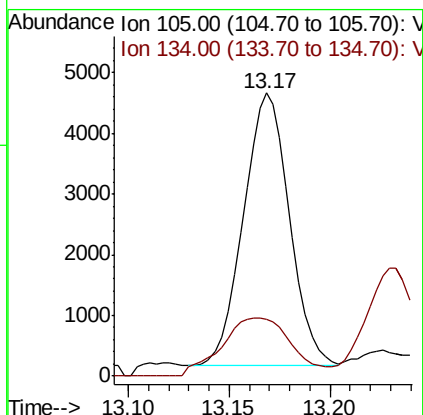
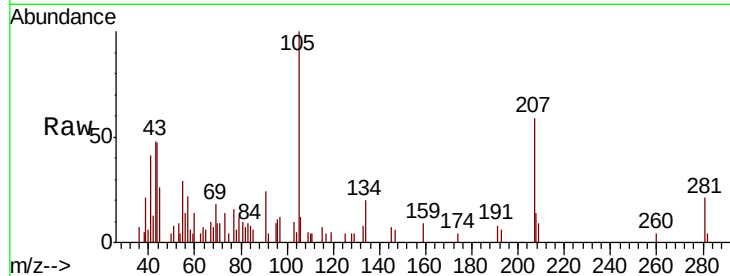




#85
 sec-Butylbenzene
 Concen: 0.798 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

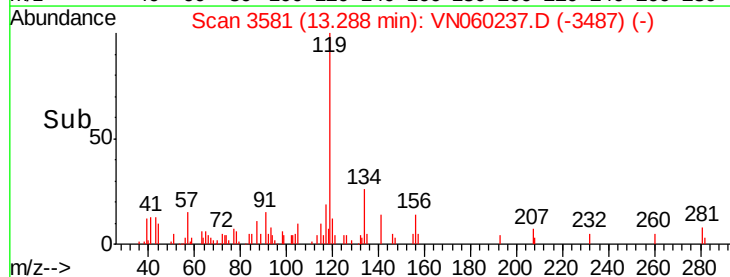
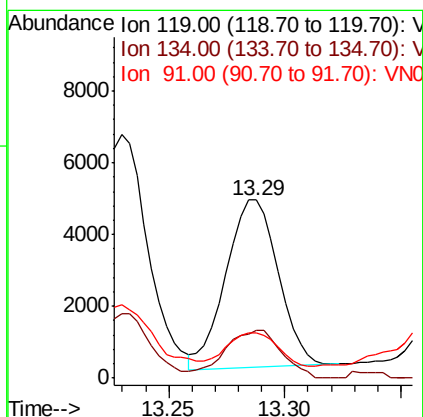
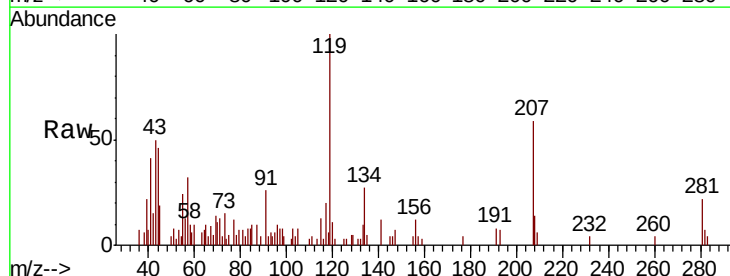
Instrument :
 MSVOA_N
 ClientSampled :

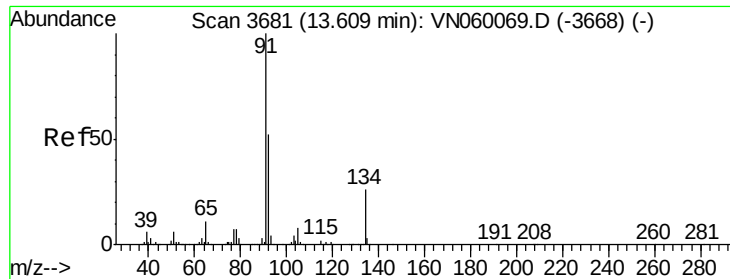
Tot Ion:105 Resp: 7141
 Ion Ratio Lower Upper
 105 100
 134 32.6 9.9 29.7#



#86
 p-Isopropyltoluene
 Concen: 0.910 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion:119 Resp: 7381
 Ion Ratio Lower Upper
 119 100
 134 30.8 13.3 39.8
 91 18.5 11.9 35.9

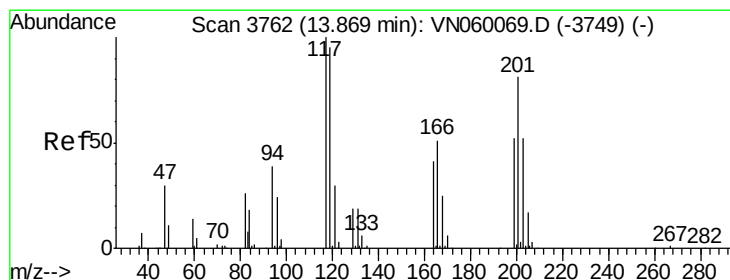
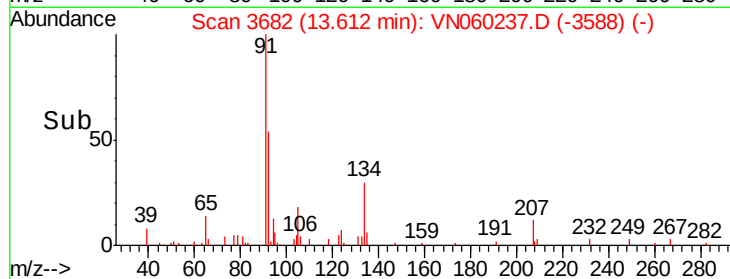
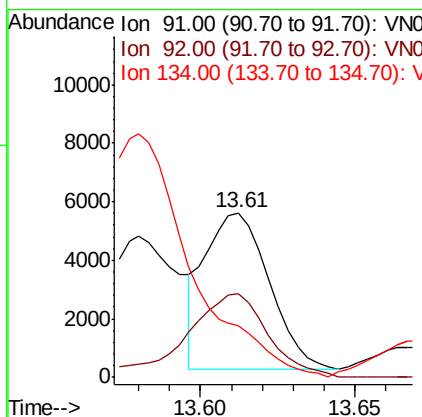
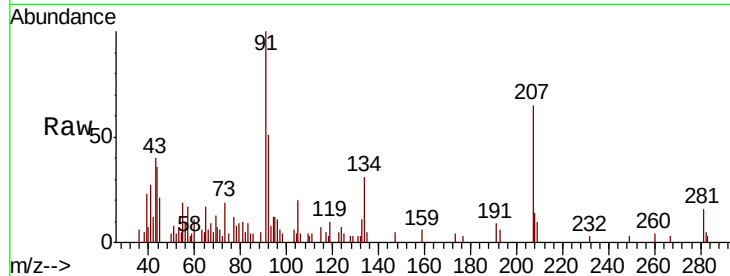




#89
n-Butylbenzene
Concen: 1.075 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

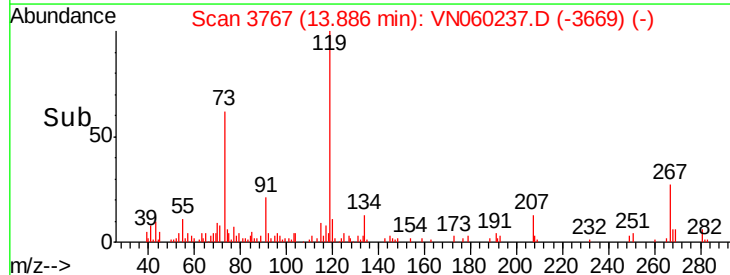
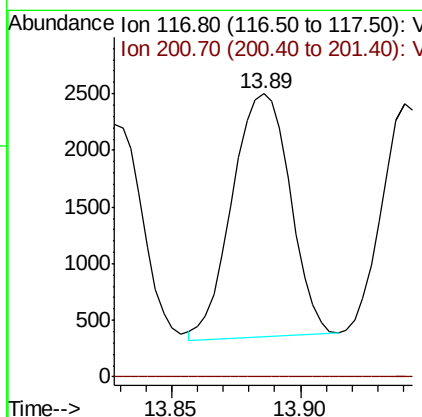
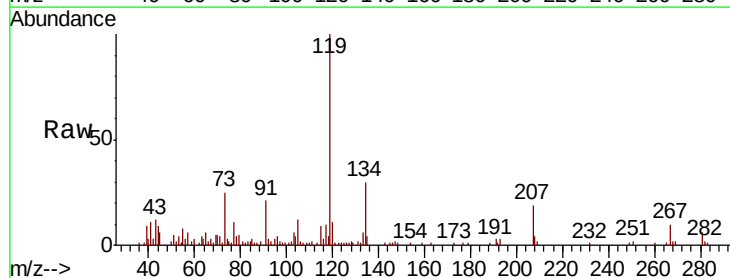
Instrument :
MSVOA_N
ClientSampled :

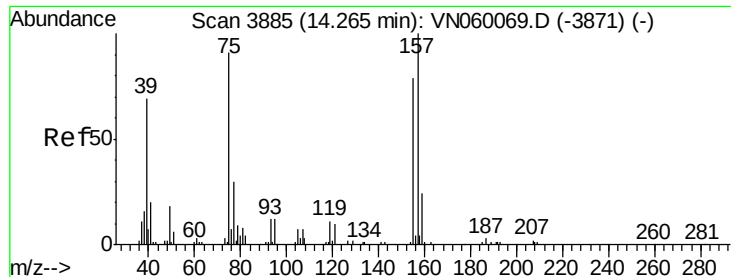
Tot Ion: 91 Resp: 7673
Ion Ratio Lower Upper
91 100
92 70.5 26.1 78.2
134 0.0 13.1 39.3#



#90
Hexachloroethane
Concen: 2.231 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.02 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion: 117 Resp: 3381
Ion Ratio Lower Upper
117 100
201 0.0 41.7 125.1#

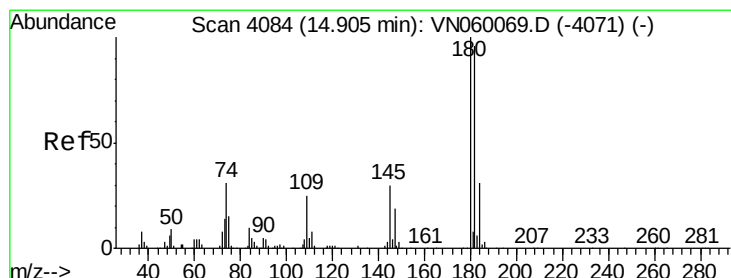
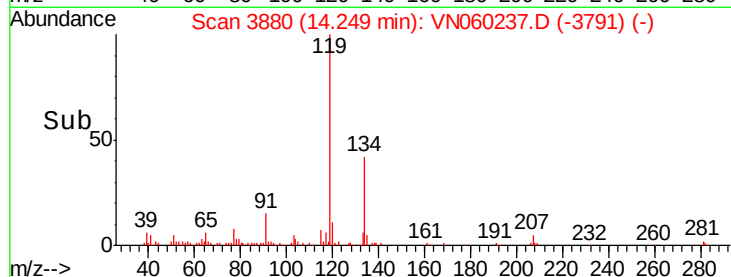
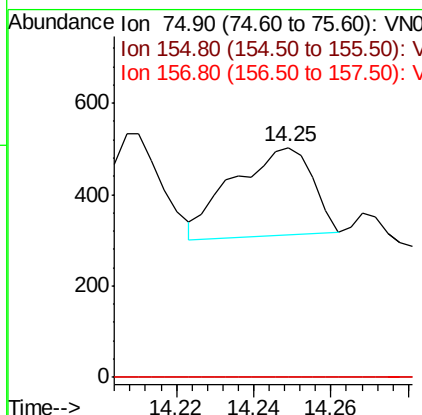
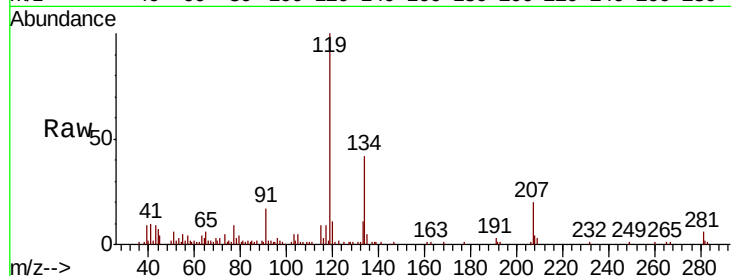




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.25 min Scan# 3880
 Delta R.T. -0.02 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

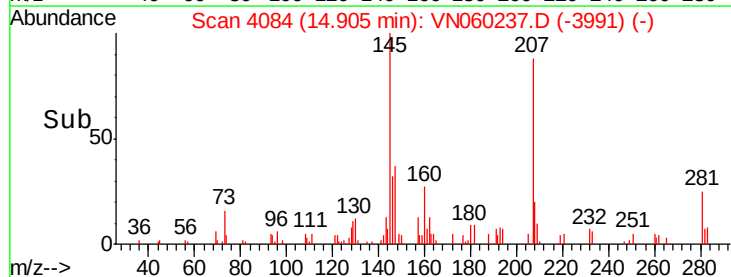
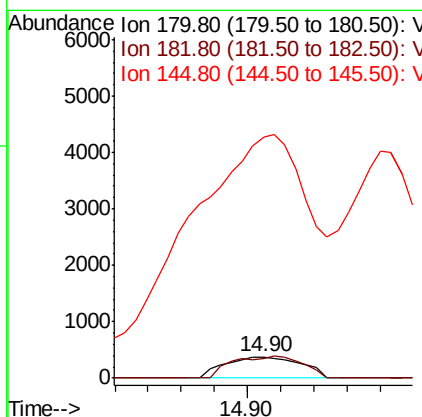
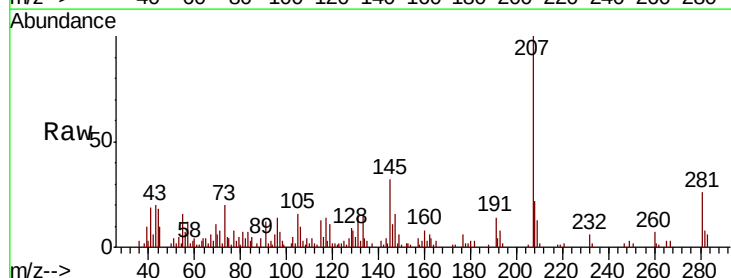
Instrument :
 MSVOA_N
 ClientSampleId :

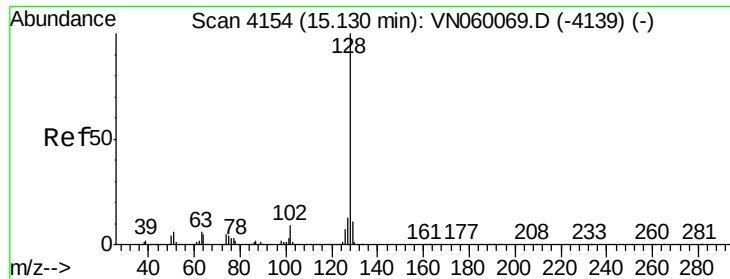
Tot Ion: 75 Resp: 275
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.260 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060237.D
 Acq: 25 Feb 2020 16:21

Tgt Ion: 180 Resp: 603
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.9 143.8
 145 1636.8 15.2 45.5#

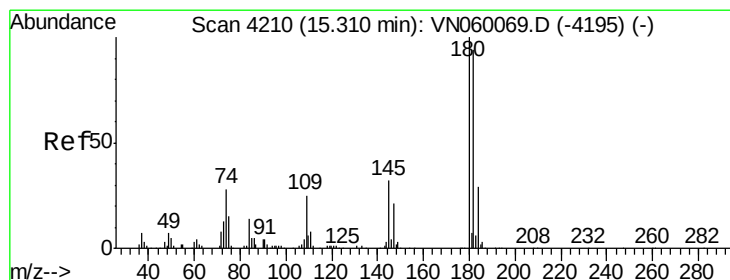
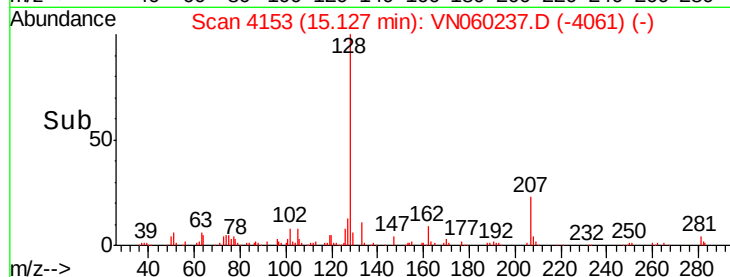
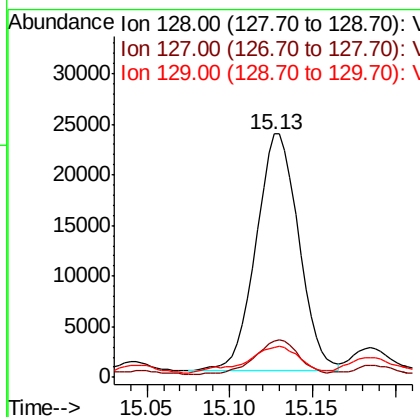
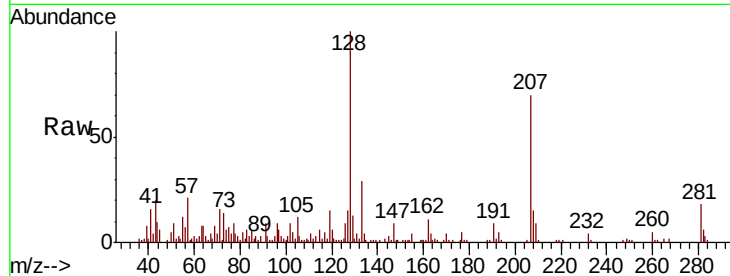




#95
Naphthalene
Concen: 6.649 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 41701
Ion Ratio Lower Upper
128 100
127 15.5 10.3 15.5
129 14.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.247 ug/l
RT: 15.32 min Scan# 4214
Delta R.T. 0.01 min
Lab File: VN060237.D
Acq: 25 Feb 2020 16:21

Tgt Ion:180 Resp: 571
Ion Ratio Lower Upper
180 100
182 11.2 47.5 142.5#
145 0.0 16.1 48.3#

