

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061521\
 Data File : VL037159.D
 Acq On : 15 Jun 2021 16:29
 Operator : SY/AP
 Sample : M2702-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 16 01:45:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1410790	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4075284	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3705390	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2775283	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	52044	0.232	ppbv 97
3) Chlorodifluoromethane	2.97	51	295567	1.117	ppbv # 72
4) Chloromethane	3.15	50	88807	0.985	ppbv 98
7) Chloroethane	3.57	64	1216	0.036	ppbv # 81
9) Propene	3.02	41	291210	3.336	ppbv # 81
10) Heptane	8.14	43	251261	1.207	ppbv 98
11) Trichlorofluoromethane	3.96	101	58274	0.229	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	4574	0.026	ppbv # 1
13) Ethanol	3.62	45	6855842	568.407	ppbv 98
15) Acetone	3.86	43	4659787	27.603	ppbv 97
16) 1,3-Butadiene	3.32	39	36836	0.404	ppbv # 62
17) tert-Butyl alcohol	3.99	59	334142	2.287	ppbv 99
19) Isopropyl Alcohol	3.99	45	9113086	98.373	ppbv 99
20) Methylene Chloride	4.36	84	541386	7.358	ppbv 96
21) Allyl Chloride	4.20	41	30512	0.271	ppbv # 1
23) Vinyl Acetate	5.08	43	523226	2.360	ppbv # 68
25) Ethyl Acetate	5.69	43	710524	2.148	ppbv 99
26) Hexane	5.70	57	335886	2.042	ppbv 97
27) Carbon Disulfide	4.56	76	5329	0.032	ppbv # 1
29) Chloroform	5.76	83	183947	0.693	ppbv 95
30) Cyclohexane	7.14	84	5132	0.036	ppbv # 1
31) cis-1,2-Dichloroethene	5.68	61	21563	0.136	ppbv # 26
34) 2-Butanone	5.26	43	304402	1.989	ppbv 99
35) Carbon Tetrachloride	7.03	117	6727	0.027	ppbv # 59
36) Benzene	6.91	78	154294	0.477	ppbv 98
39) 1,2-Dichloropropane	7.19	63	970043	7.857	ppbv # 23
41) Tetrahydrofuran	6.06	42	4373	0.059	ppbv # 40
43) Methyl Methacrylate	8.03	69	36754	0.331	ppbv # 68
50) 4-Methyl-2-Pentanone	8.76	43	16130	0.072	ppbv # 39
51) 2-Hexanone	10.17	43	86442	0.769	ppbv # 84
52) Tetrachloroethene	11.24	164	18222	0.136	ppbv 87
53) Toluene	9.83	91	481995	1.254	ppbv 99
58) Ethyl Benzene	13.01	91	40741	0.081	ppbv 95
59) m/p-Xylene	13.01	91	40741	0.096	ppbv # 30
60) o-Xylene	13.72	91	27678	0.068	ppbv # 30
72) 4-Ethyltoluene	15.86	105	11664	0.025	ppbv # 52
74) 1,2,4-Trimethylbenzene	16.79	105	24966	0.054	ppbv # 65
76) 1,4-Dichlorobenzene	17.17	146	28479	0.101	ppbv # 3
79) Naphthalene	22.23	128	6235	0.023	ppbv # 87

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 16:49:11 2021
QLast Update : Mon Jun 14 16:49:11 2021
Response via : Initial Calibration

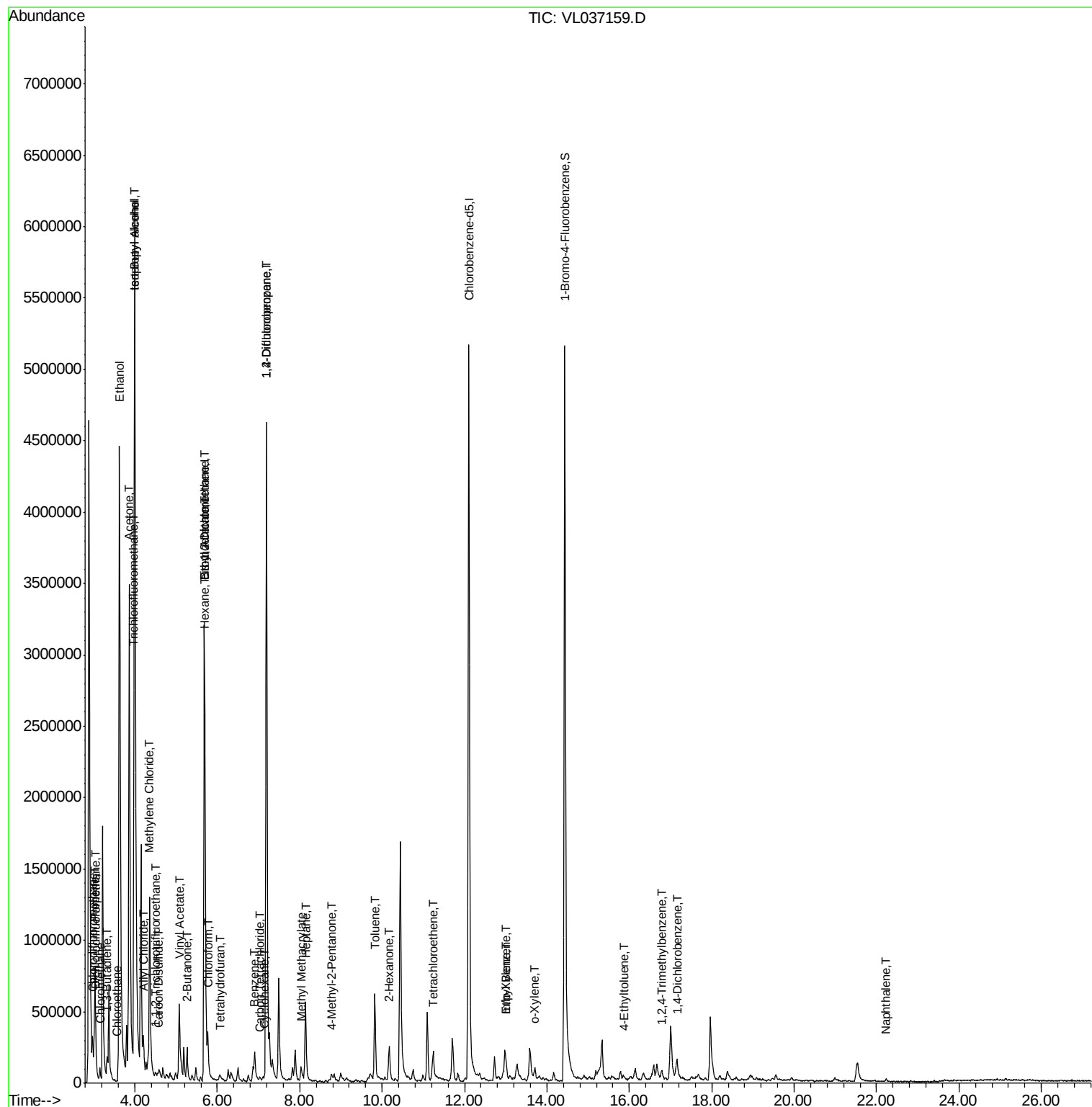
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

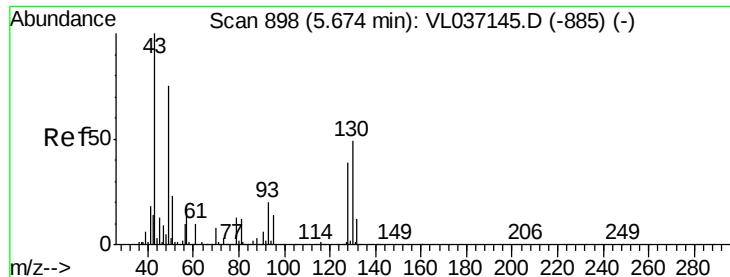
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

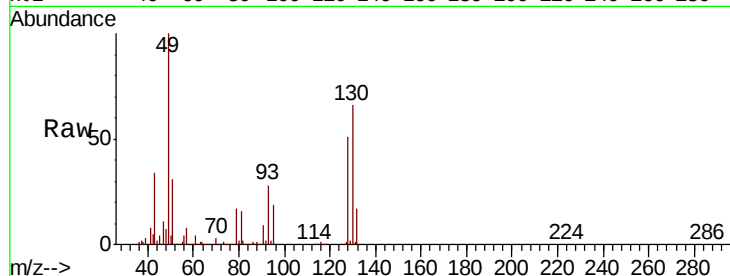
Tot Ion: 49 Resp: 1410790

Ion Ratio Lower Upper

49 100

128 55.7 28.8 86.5

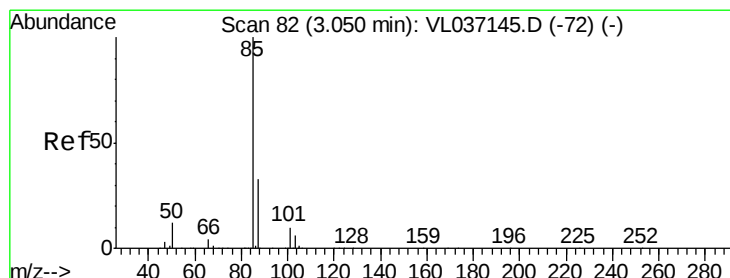
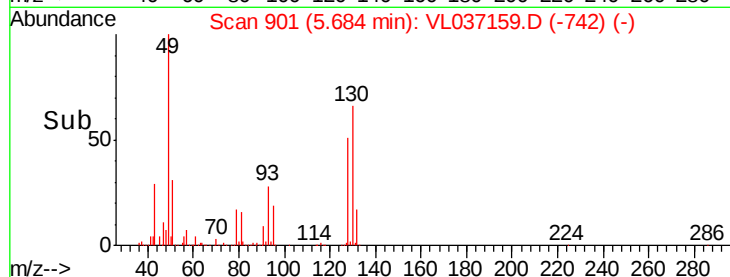
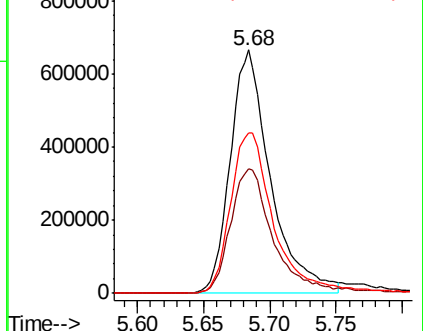
130 71.4 36.0 108.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.232 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037159.D

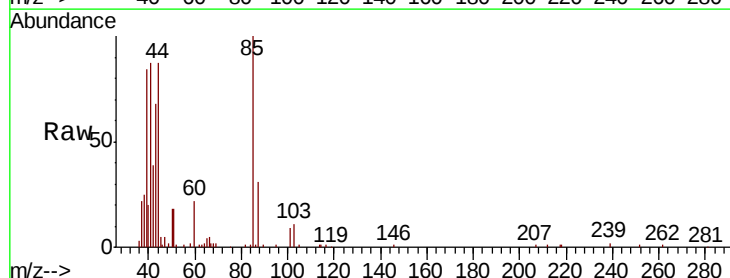
Acq: 15 Jun 2021 16:29

Tgt Ion: 85 Resp: 52044

Ion Ratio Lower Upper

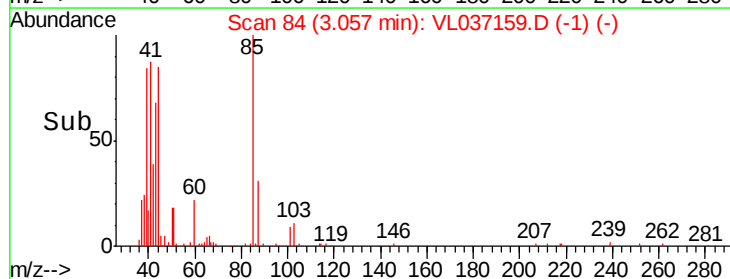
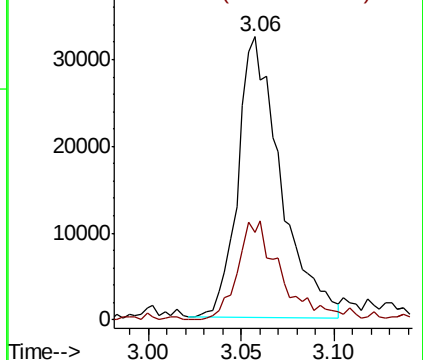
85 100

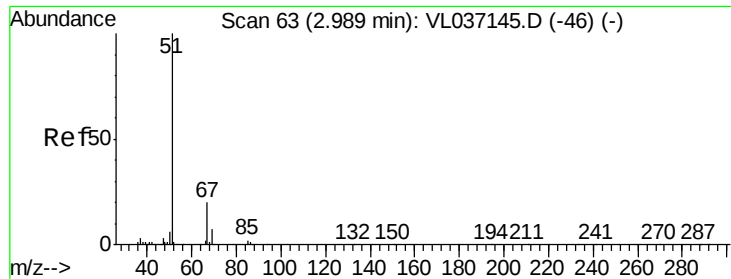
87 31.4 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

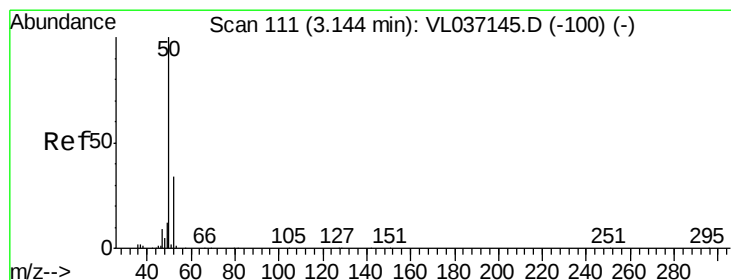
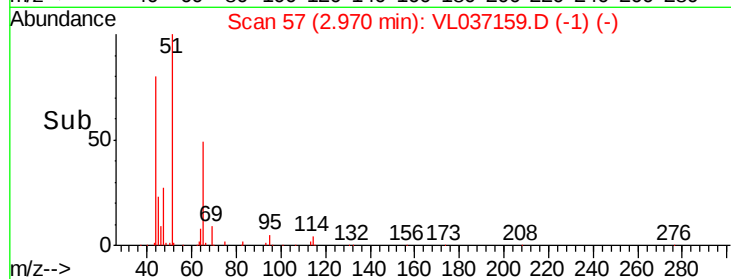
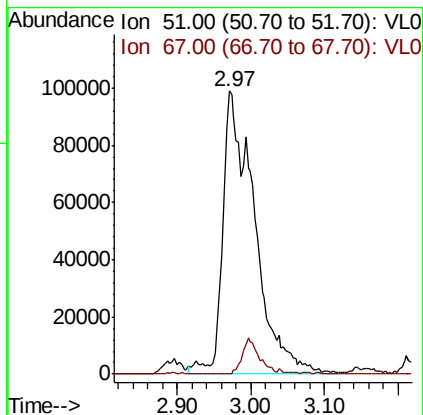
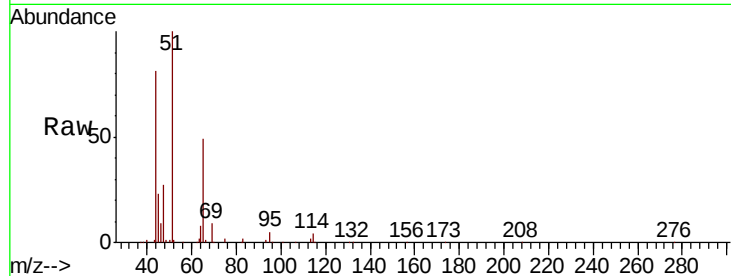




#3
Chlorodifluoromethane
Concen: 1.117 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.02 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

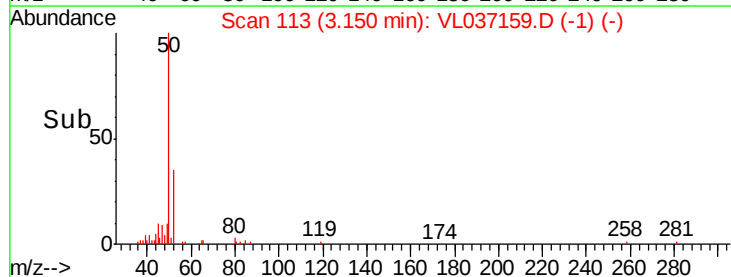
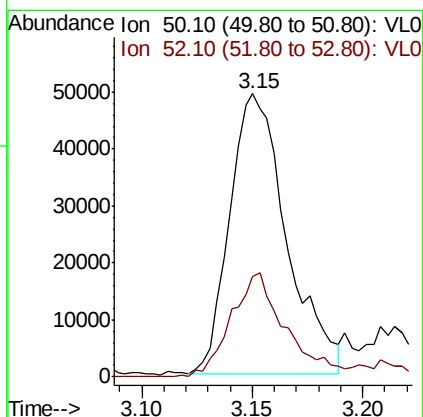
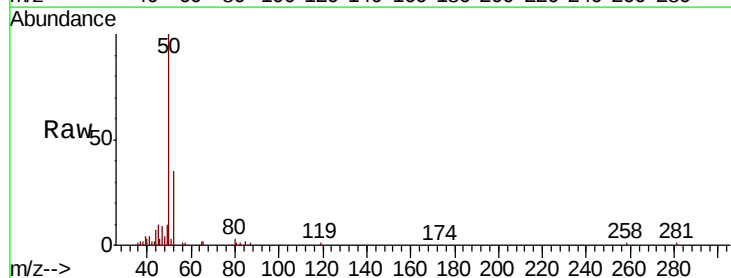
Instrument :
MSVOA_L
ClientSampleId :

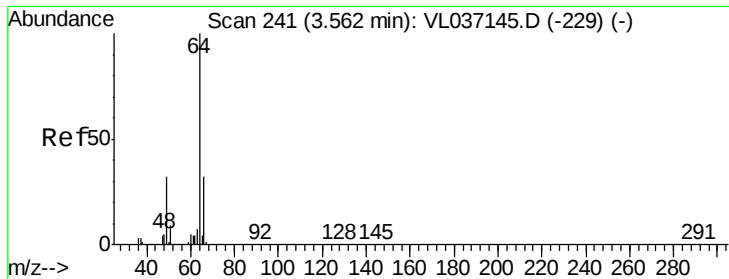
Tot Ion: 51 Resp: 295567
Ion Ratio Lower Upper
51 100
67 7.2 15.9 23.9#



#4
Chloromethane
Concen: 0.985 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion: 50 Resp: 88807
Ion Ratio Lower Upper
50 100
52 35.6 27.4 41.2





#7

Chloroethane

Concen: 0.036 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

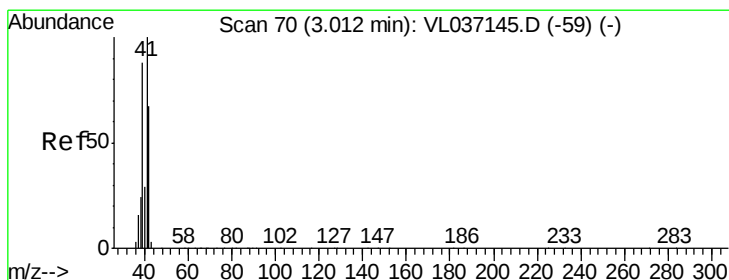
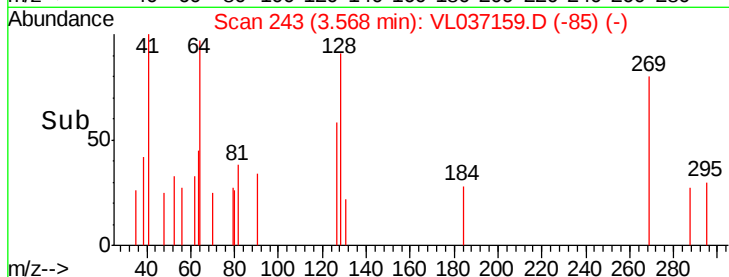
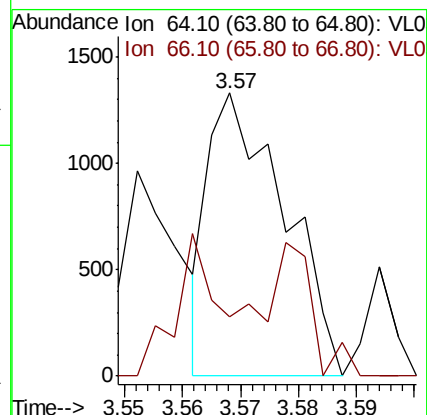
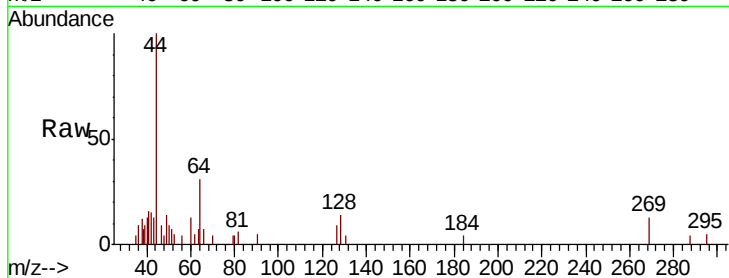
ClientSampleId :

Tot Ion: 64 Resp: 1216

Ion Ratio Lower Upper

64 100

66 20.9 25.3 37.9#



#9

Propene

Concen: 3.336 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL037159.D

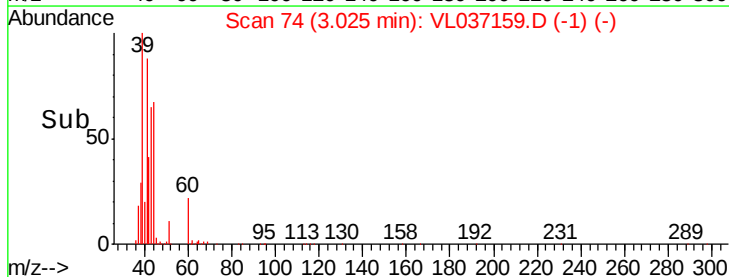
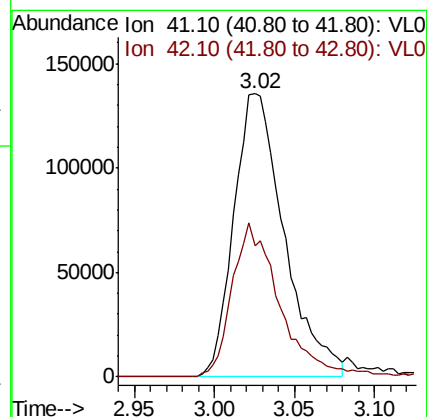
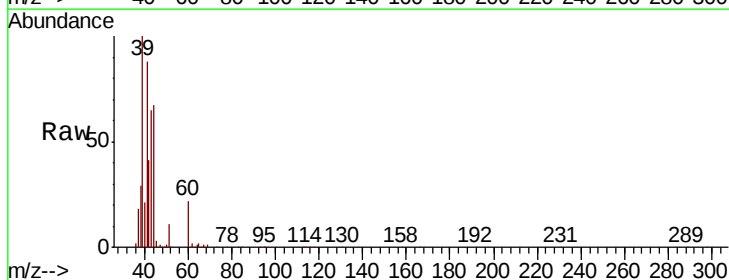
Acq: 15 Jun 2021 16:29

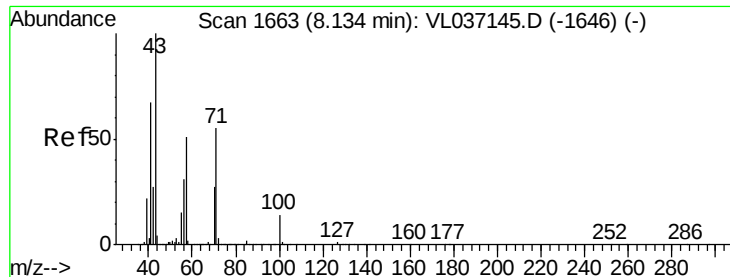
Tgt Ion: 41 Resp: 291210

Ion Ratio Lower Upper

41 100

42 52.1 53.8 80.8#

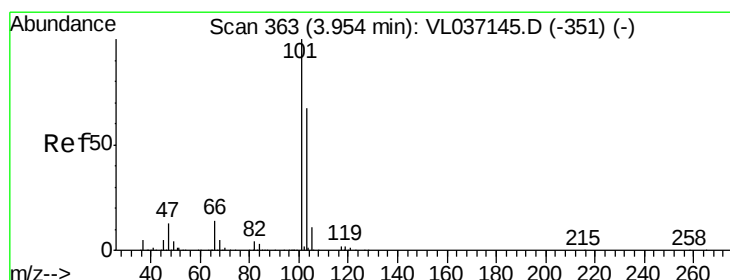
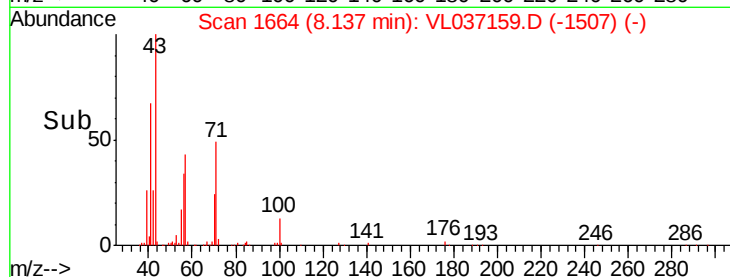
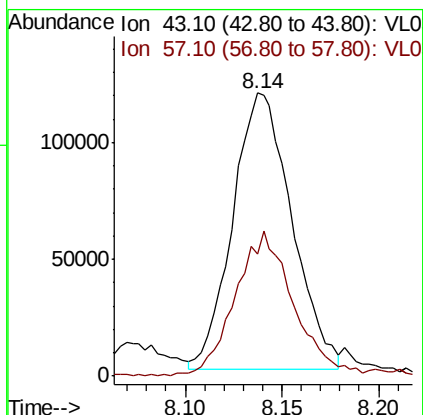
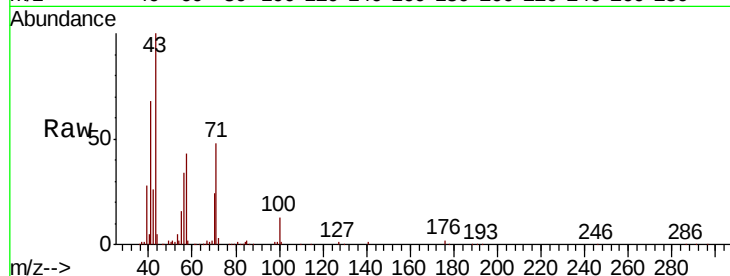




#10
Heptane
Concen: 1.207 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

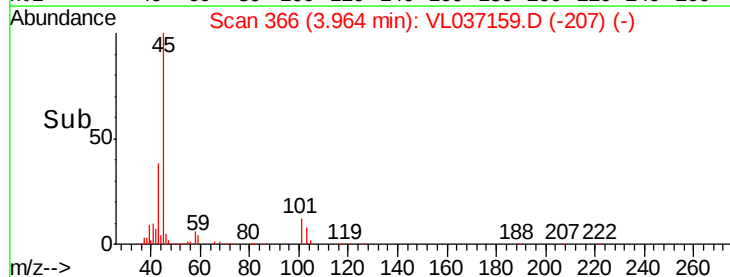
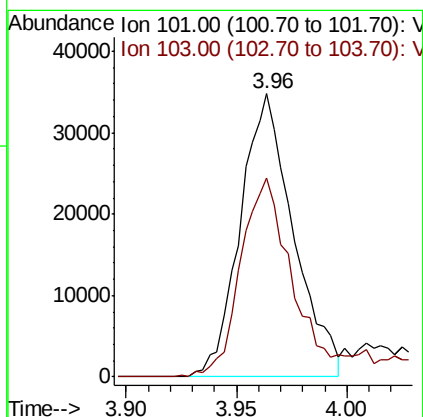
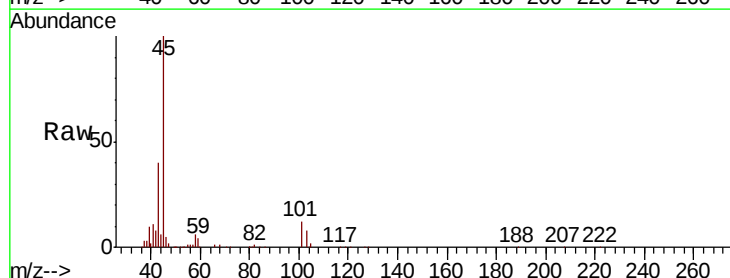
Instrument :
MSVOA_L
ClientSampleId :

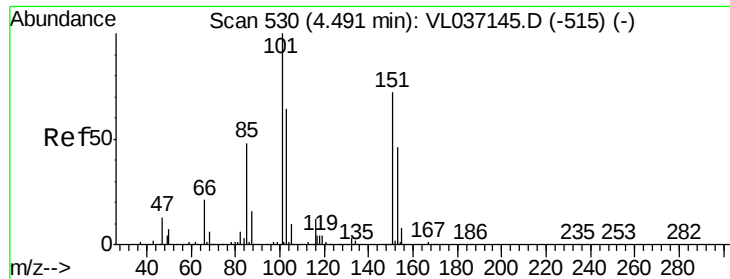
Tot Ion: 43 Resp: 251261
Ion Ratio Lower Upper
43 100
57 52.3 40.5 60.7



#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion:101 Resp: 58274
Ion Ratio Lower Upper
101 100
103 70.1 53.6 80.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.026 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

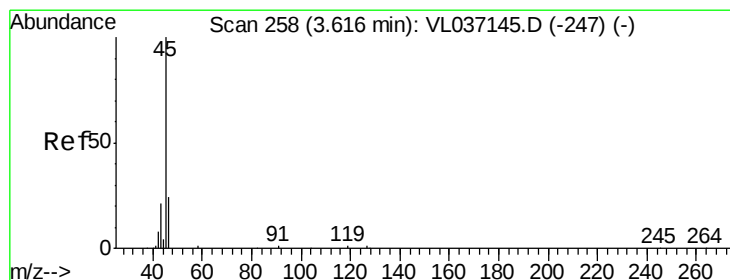
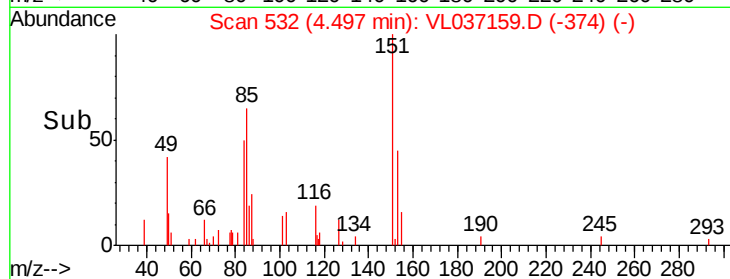
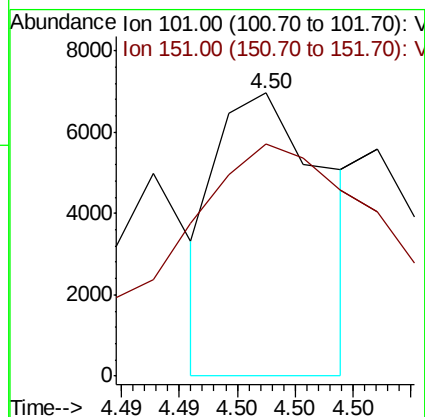
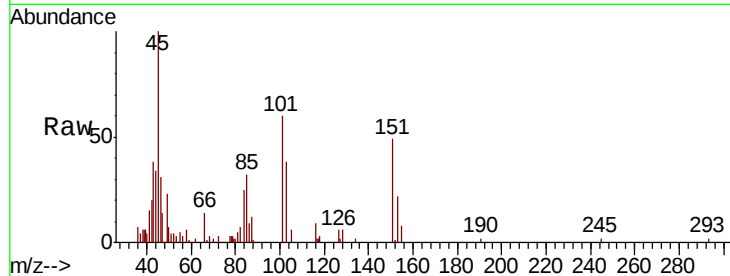
ClientSampleId :

Tot Ion:101 Resp: 4574

Ion Ratio Lower Upper

101 100

151 223.5 60.5 90.7#



#13

Ethanol

Concen: 568.407 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.01 min

Lab File: VL037159.D

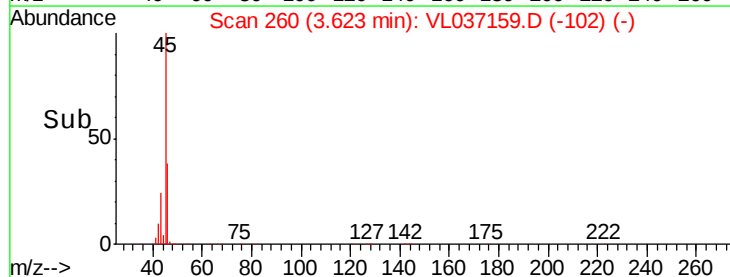
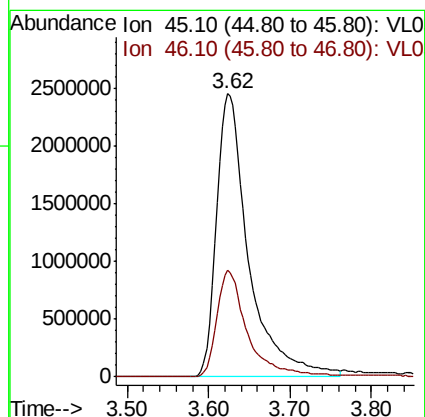
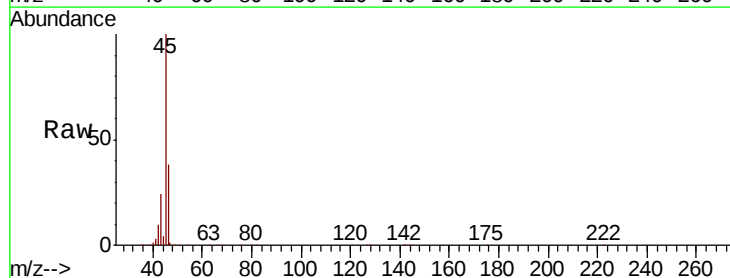
Acq: 15 Jun 2021 16:29

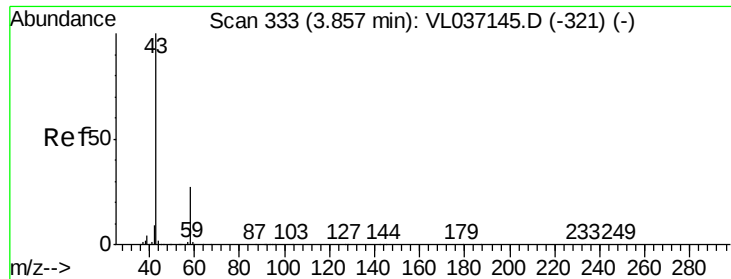
Tgt Ion: 45 Resp: 6855842

Ion Ratio Lower Upper

45 100

46 37.4 15.4 61.8





#15

Acetone

Concen: 27.603 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

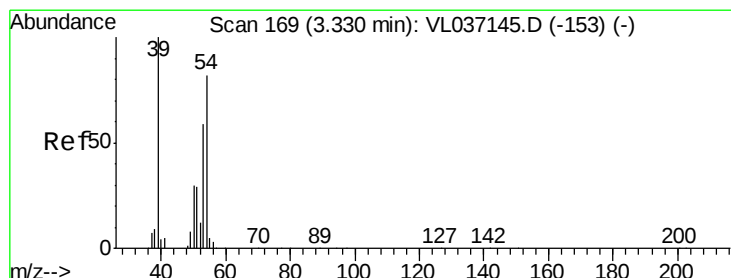
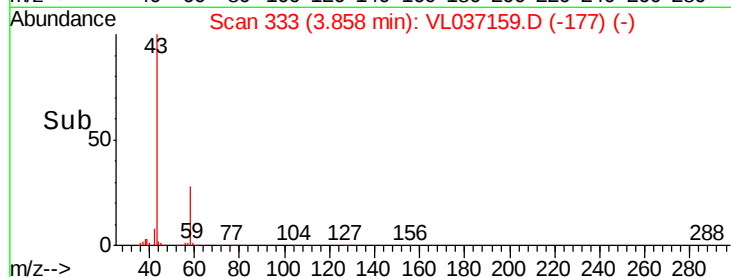
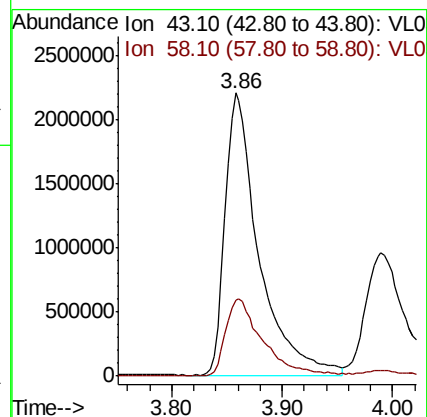
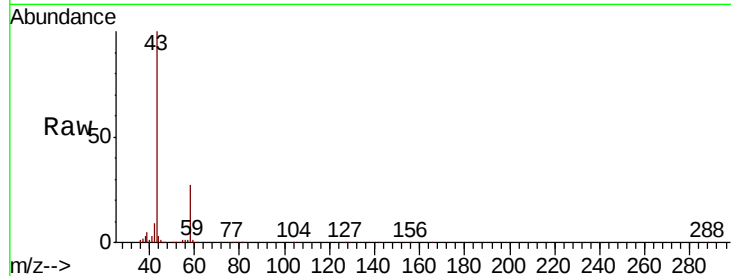
ClientSampleId :

Tot Ion: 43 Resp: 4659787

Ion Ratio Lower Upper

43 100

58 30.2 23.0 34.6



#16

1,3-Butadiene

Concen: 0.404 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL037159.D

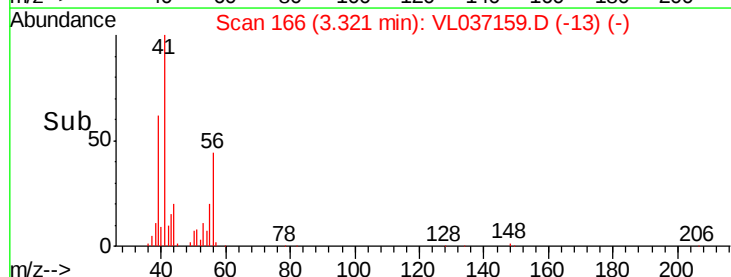
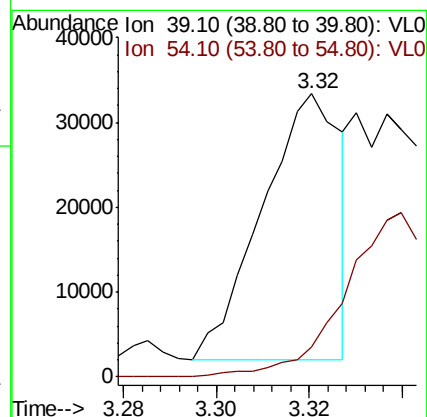
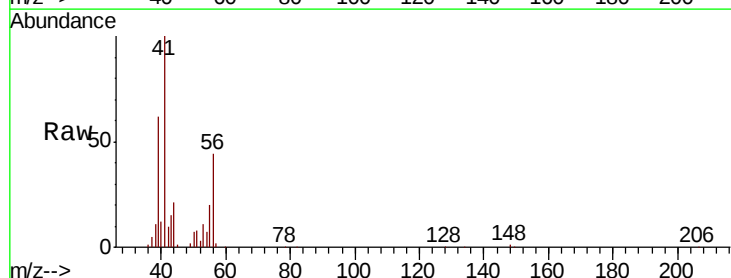
Acq: 15 Jun 2021 16:29

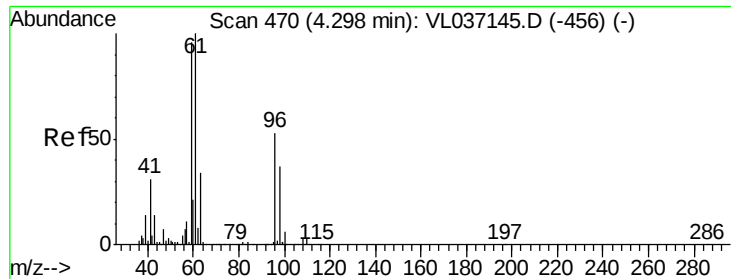
Tgt Ion: 39 Resp: 36836

Ion Ratio Lower Upper

39 100

54 110.4 61.8 92.6#



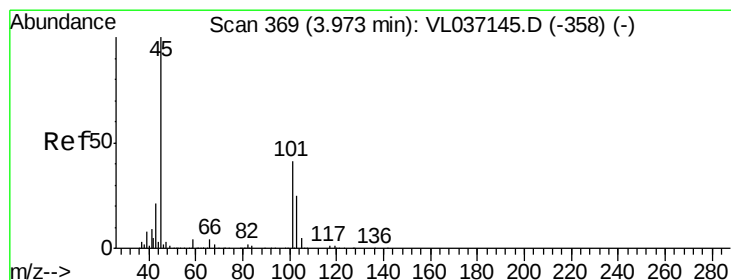
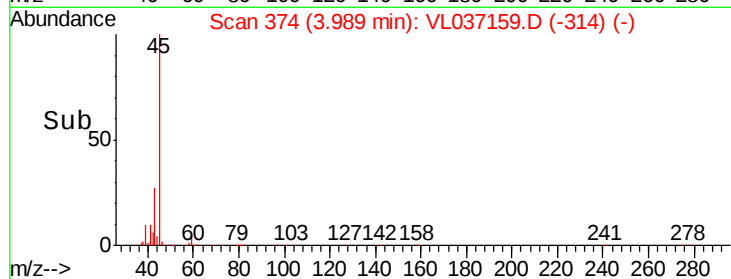
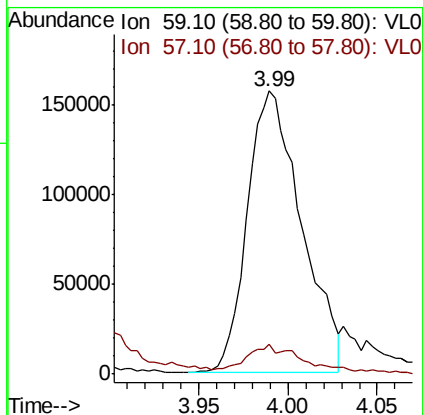
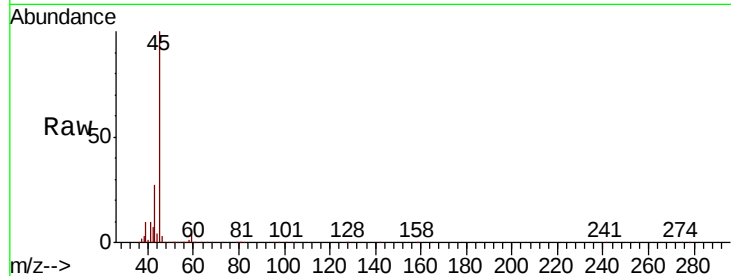


#17

tert-Butyl alcohol
 Concen: 2.287 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. -0.31 min
 Lab File: VL037159.D
 Acq: 15 Jun 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :

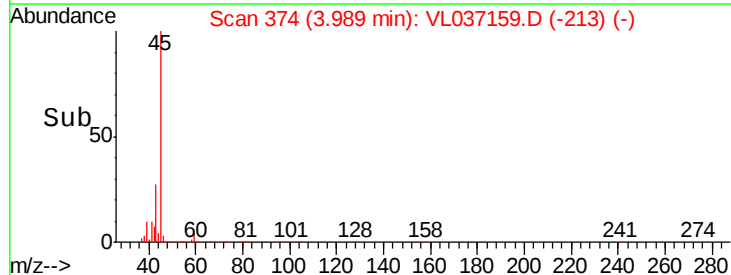
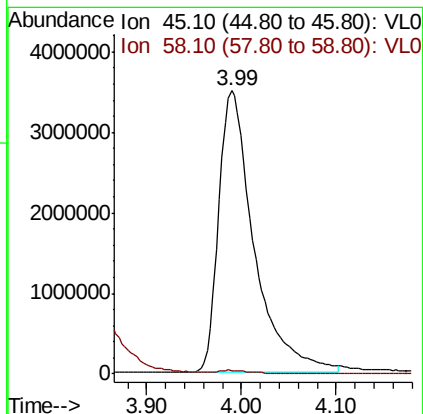
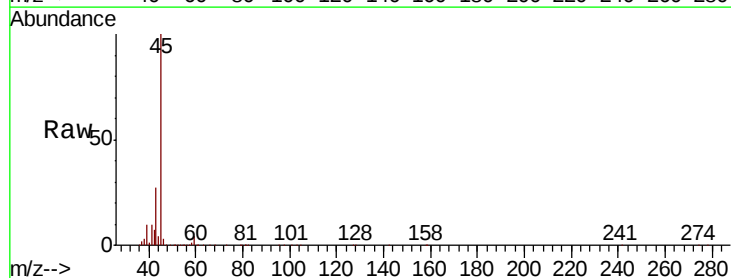
Tot Ion: 59 Resp: 334142
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.8 13.2

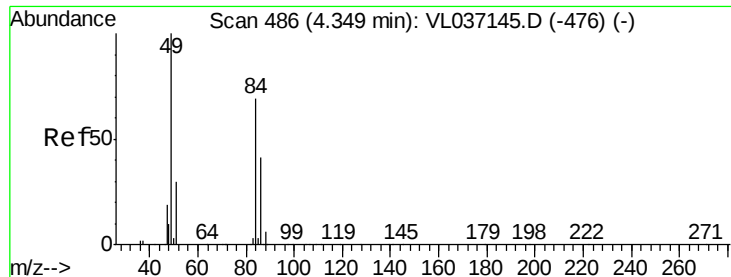


#19

Isopropyl Alcohol
 Concen: 98.373 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. 0.02 min
 Lab File: VL037159.D
 Acq: 15 Jun 2021 16:29

Tgt Ion: 45 Resp: 9113086
 Ion Ratio Lower Upper
 45 100
 58 1.5 1.4 2.2

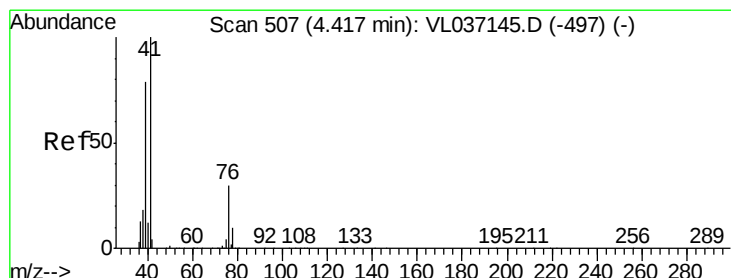
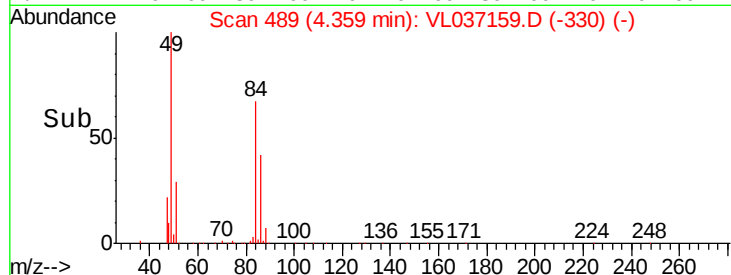
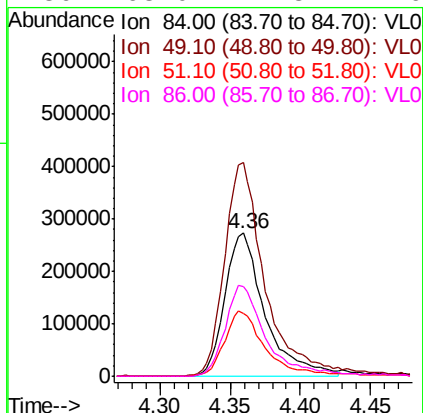
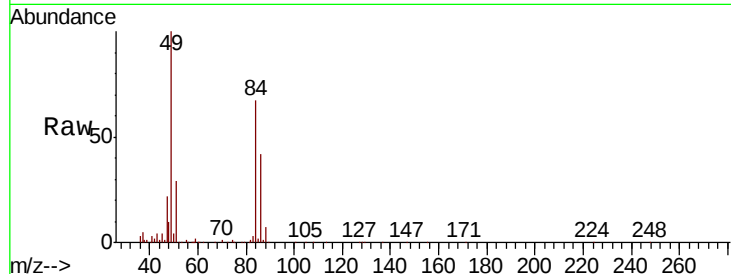




#20
Methylene Chloride
Concen: 7.358 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

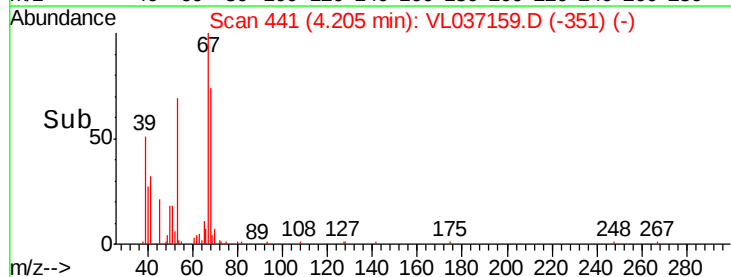
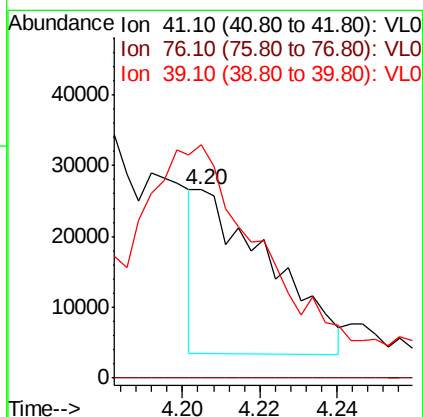
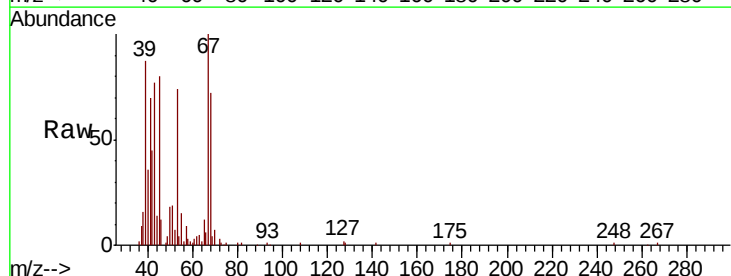
Instrument :
MSVOA_L
ClientSampleId :

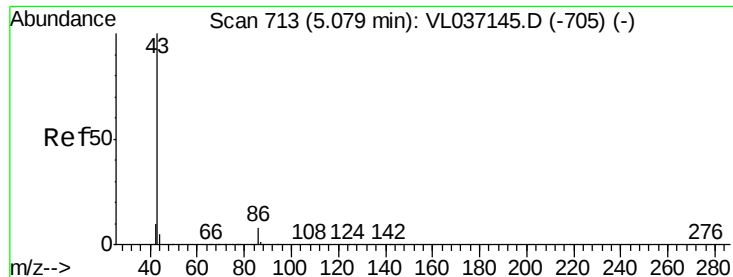
Tot Ion:	84	Resp:	541386
Ion	Ratio	Lower	Upper
84	100		
49	148.8	115.3	172.9
51	43.7	34.2	51.4
86	63.0	47.8	71.6



#21
Allyl Chloride
Concen: 0.271 ppbv
RT: 4.20 min Scan# 441
Delta R.T. -0.21 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion:	41	Resp:	30512
Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	216.8	66.2	99.2#

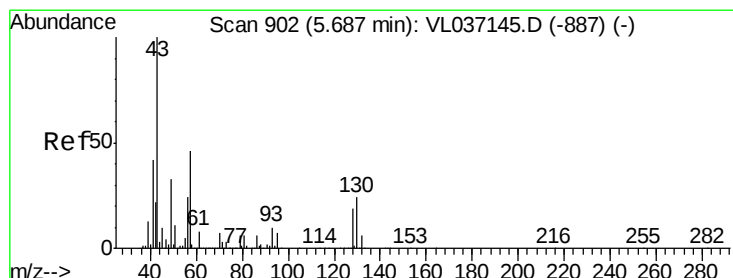
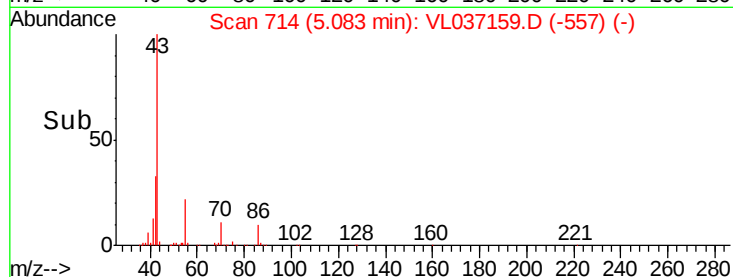
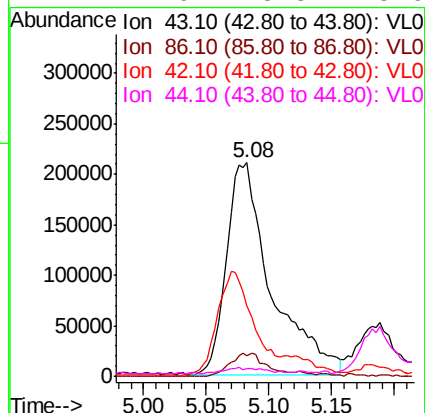
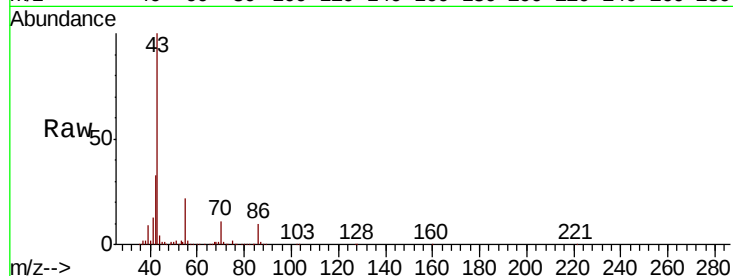




#23
 Vinyl Acetate
 Concen: 2.360 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VL037159.D
 Acq: 15 Jun 2021 16:29

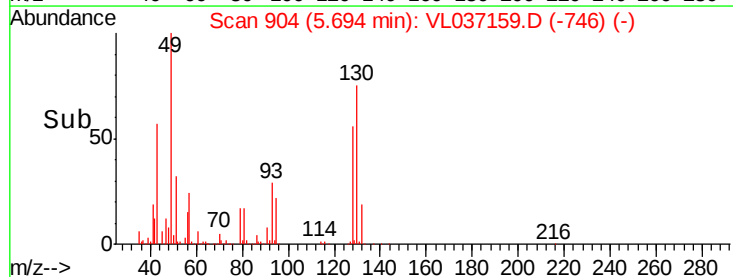
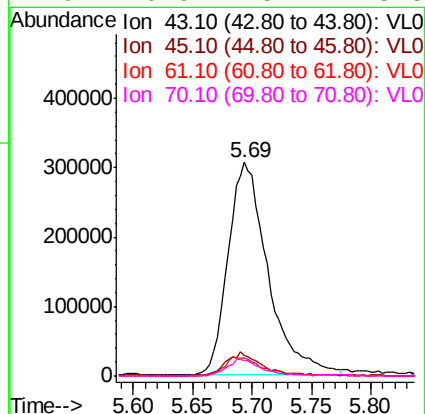
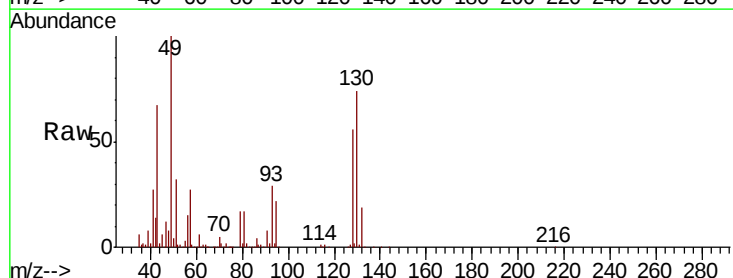
Instrument :
 MSVOA_L
 ClientSampleId :

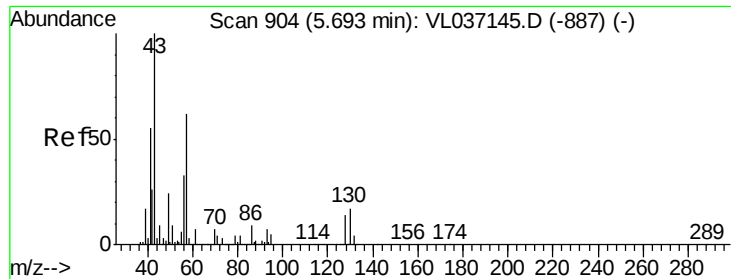
Tot Ion:	43	Resp:	523226
Ion	Ratio	Lower	Upper
43	100		
86	9.9	5.4	8.2#
42	32.2	8.6	12.8#
44	1.9	3.8	5.6#



#25
 Ethyl Acetate
 Concen: 2.148 ppbv
 RT: 5.69 min Scan# 904
 Delta R.T. 0.01 min
 Lab File: VL037159.D
 Acq: 15 Jun 2021 16:29

Tgt Ion:	43	Resp:	710524
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.0	7.5	11.3
70	6.9	5.7	8.5

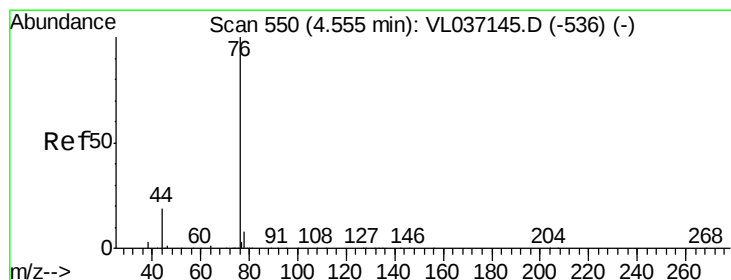
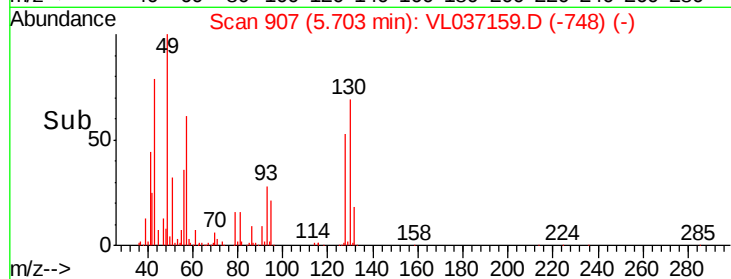
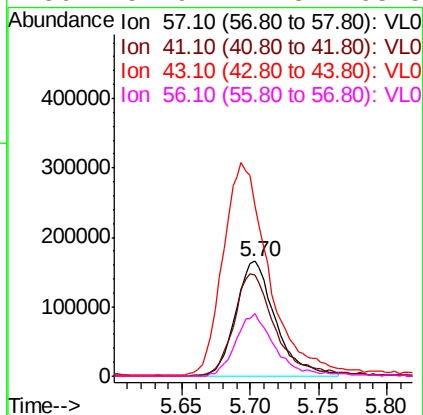
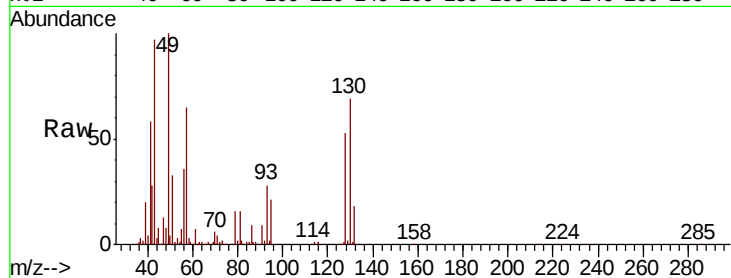




#26
Hexane
Concen: 2.042 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

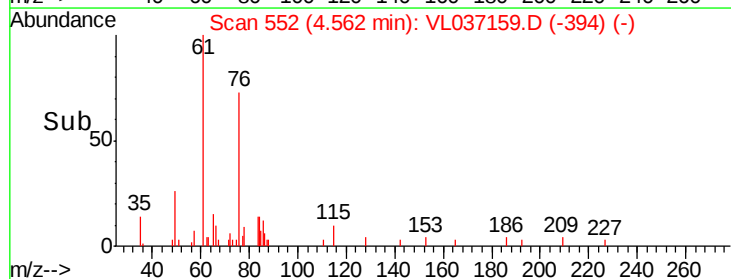
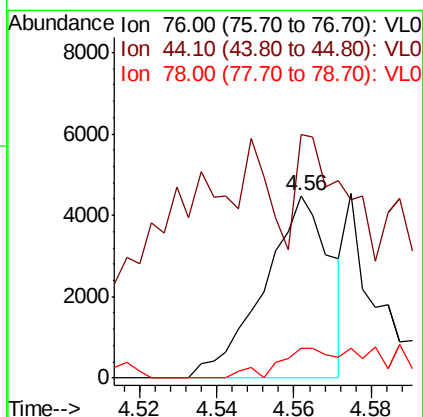
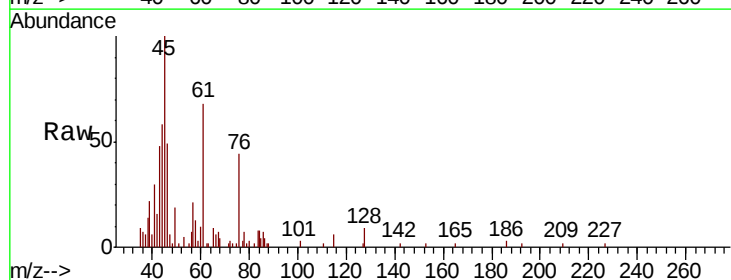
Instrument :
MSVOA_L
ClientSampleId :

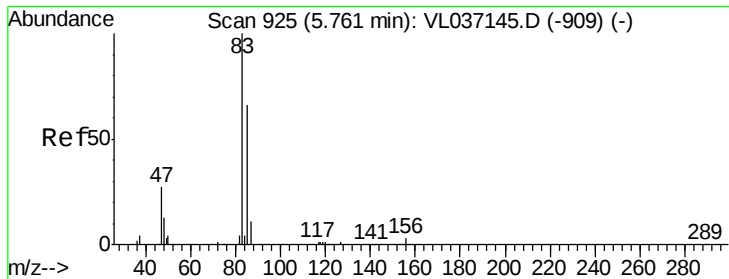
Tot Ion:	57	Resp:	335886
Ion	Ratio	Lower	Upper
57	100		
41	94.2	73.6	110.4
43	216.6	168.8	253.2
56	54.9	42.3	63.5



#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion:	76	Resp:	5329
Ion	Ratio	Lower	Upper
76	100		
44	153.2	15.6	23.4#
78	0.0	7.6	11.4#

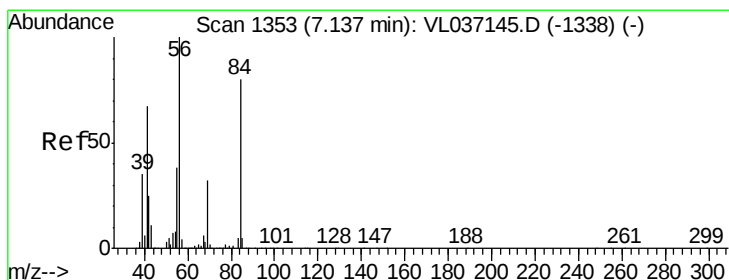
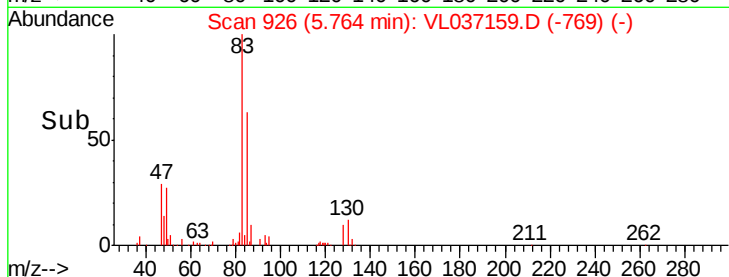
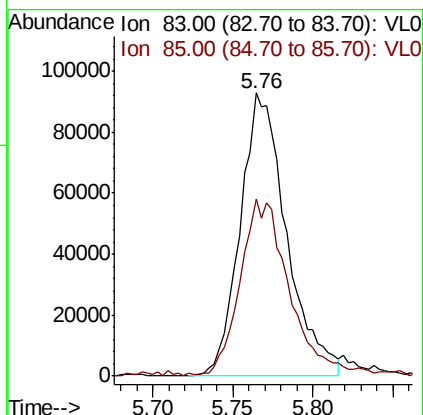
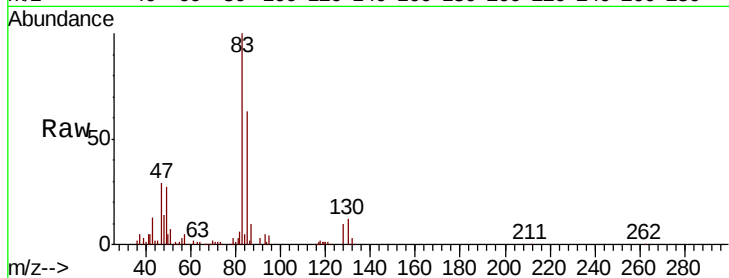




#29
Chloroform
Concen: 0.693 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

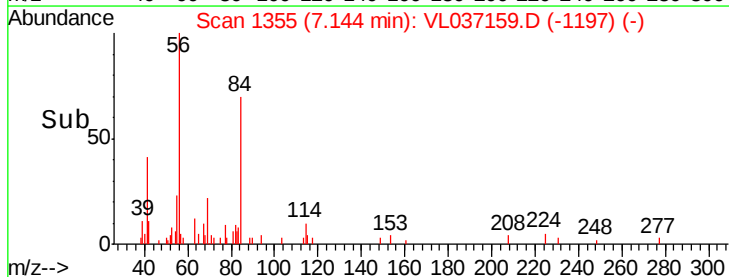
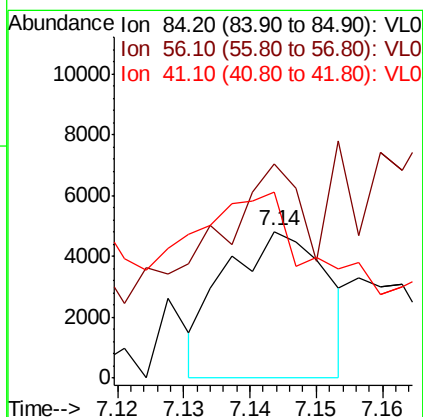
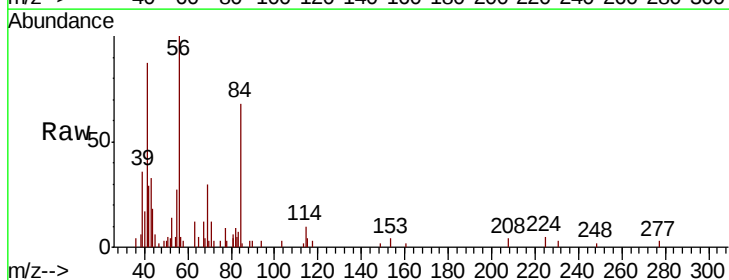
Instrument :
MSVOA_L
ClientSampleId :

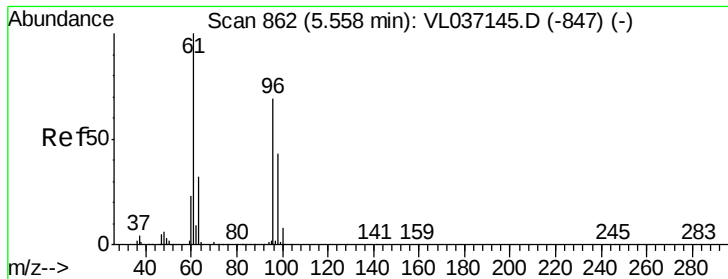
Tot Ion: 83 Resp: 183947
Ion Ratio Lower Upper
83 100
85 61.5 52.6 78.8



#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion: 84 Resp: 5132
Ion Ratio Lower Upper
84 100
56 0.0 103.9 155.9#
41 206.7 66.5 99.7#



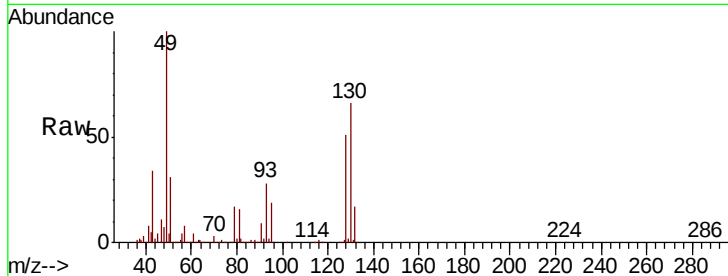


#31

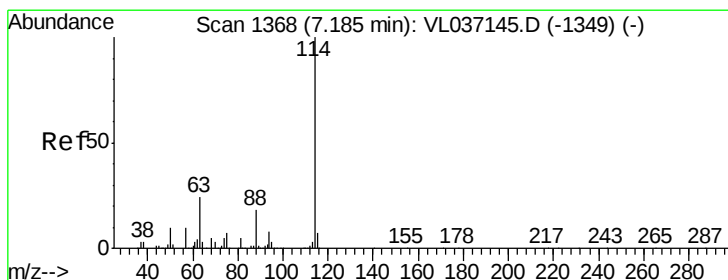
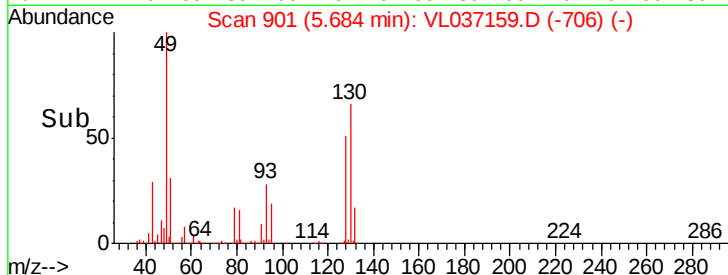
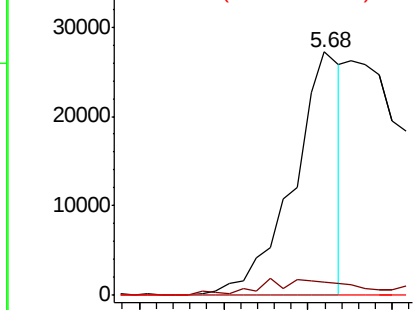
cis-1,2-Dichloroethene
 Concen: 0.136 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. 0.13 min
 Lab File: VL037159.D
 Acq: 15 Jun 2021 16:29

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	5.2	55.3	82.9#
98	0.0	34.7	52.1#



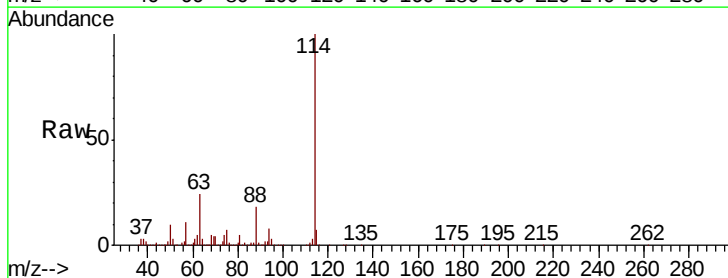
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



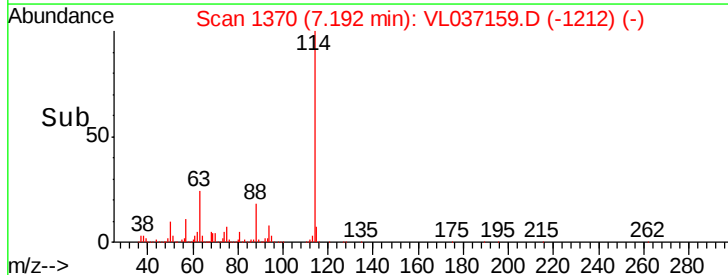
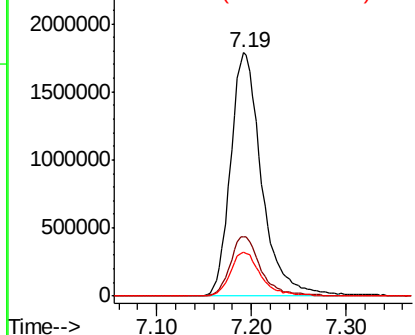
#33

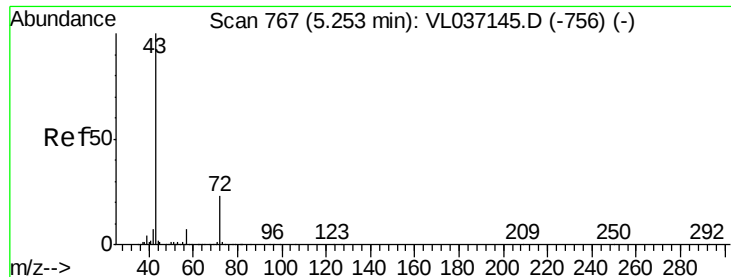
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL037159.D
 Acq: 15 Jun 2021 16:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.6
88	18.0	14.3	21.5



Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

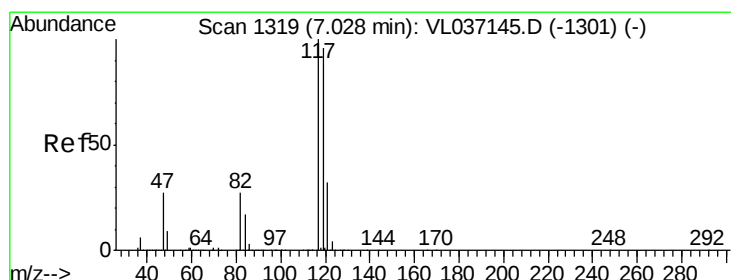
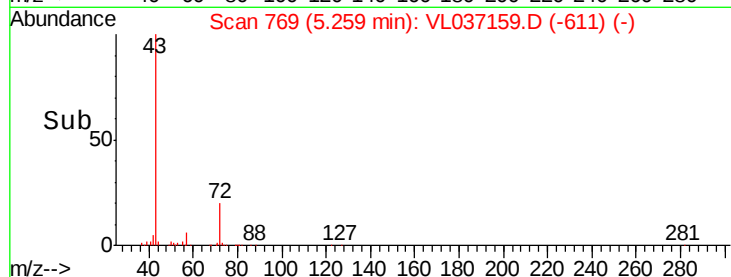
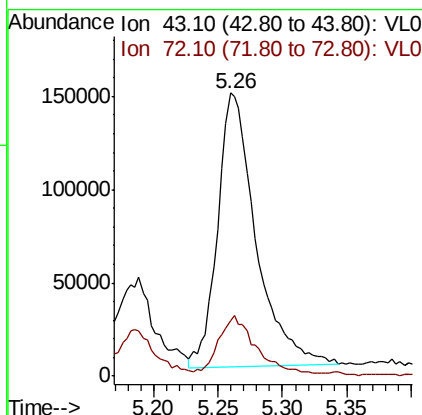
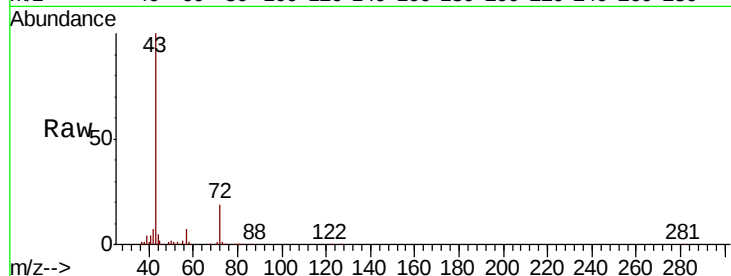




#34
2-Butanone
Concen: 1.989 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

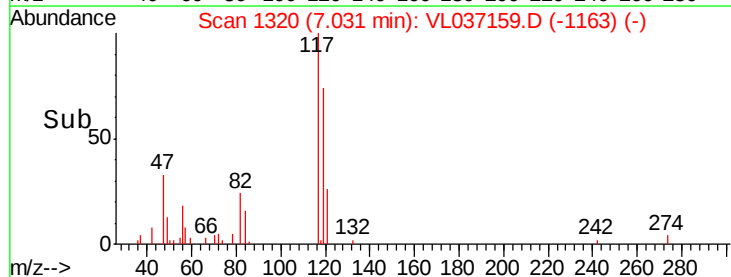
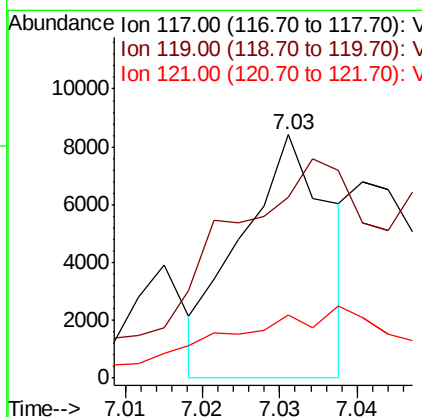
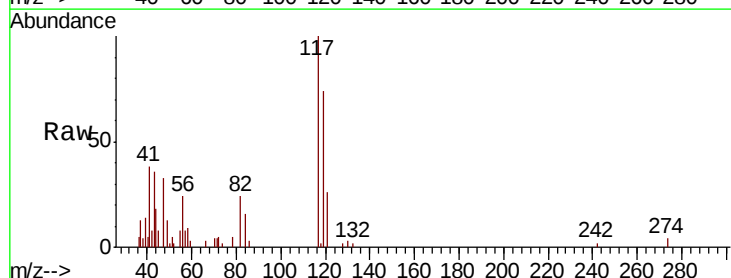
Instrument :
MSVOA_L
ClientSampleId :

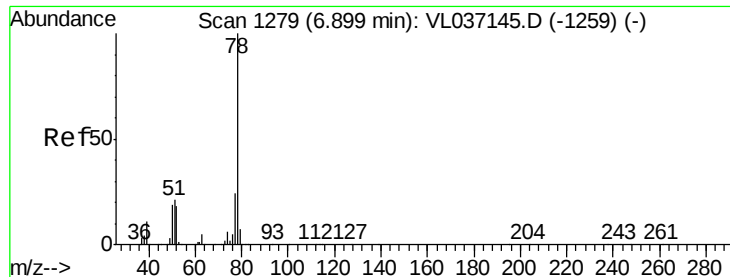
Tot Ion: 43 Resp: 304402
Ion Ratio Lower Upper
43 100
72 23.6 18.6 28.0



#35
Carbon Tetrachloride
Concen: 0.027 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.00 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion: 117 Resp: 6727
Ion Ratio Lower Upper
117 100
119 51.6 77.0 115.4#
121 17.5 25.4 38.0#





#36

Benzene

Concen: 0.477 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

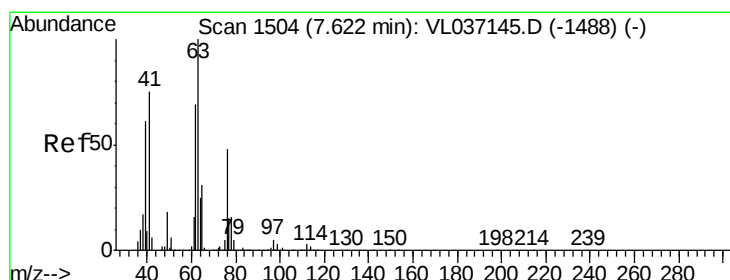
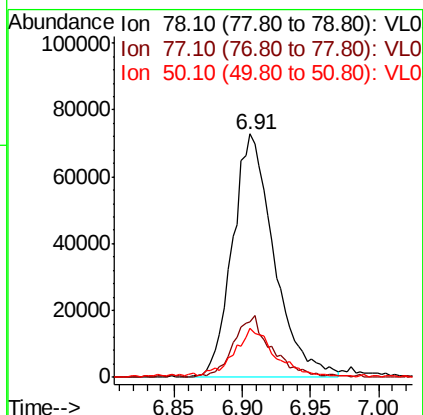
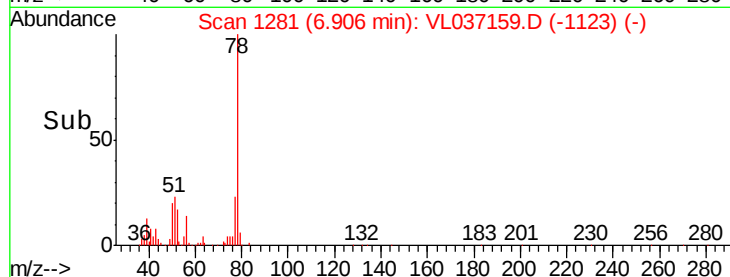
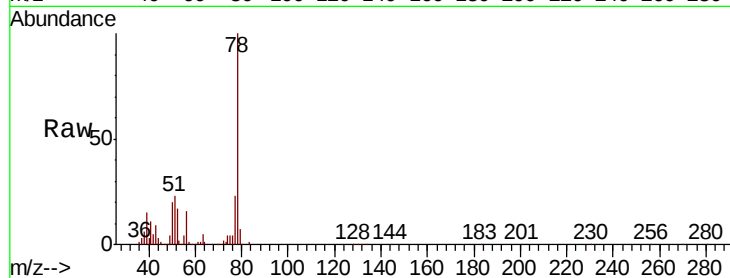
Tot Ion: 78 Resp: 154294

Ion Ratio Lower Upper

78 100

77 22.3 19.5 29.3

50 19.5 15.5 23.3



#39

1,2-Dichloropropane

Concen: 7.857 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.43 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

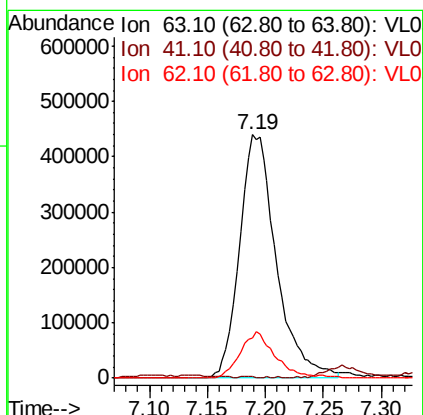
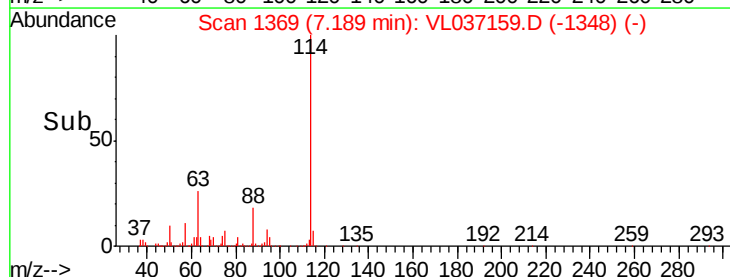
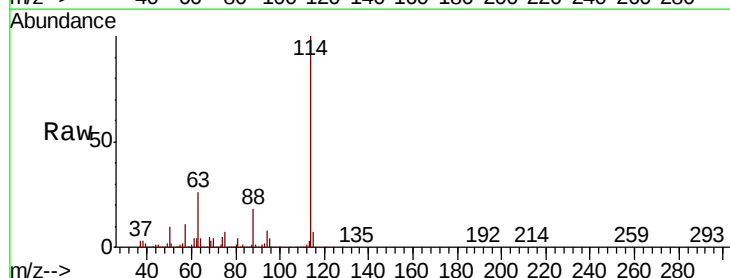
Tgt Ion: 63 Resp: 970043

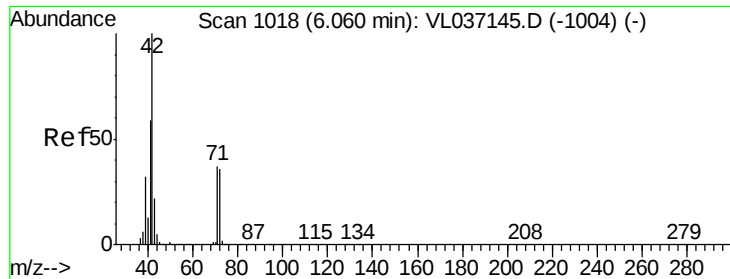
Ion Ratio Lower Upper

63 100

41 0.0 60.0 90.0#

62 16.3 55.4 83.0#

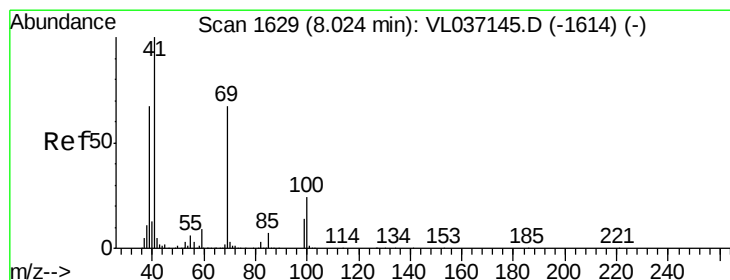
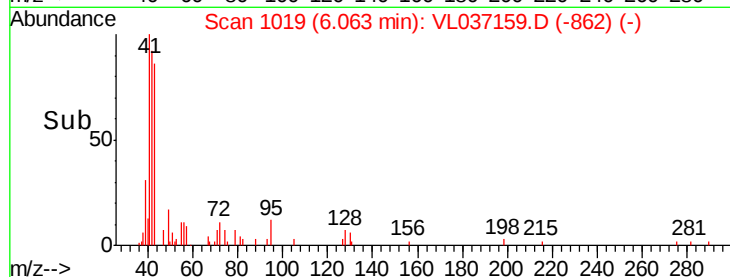
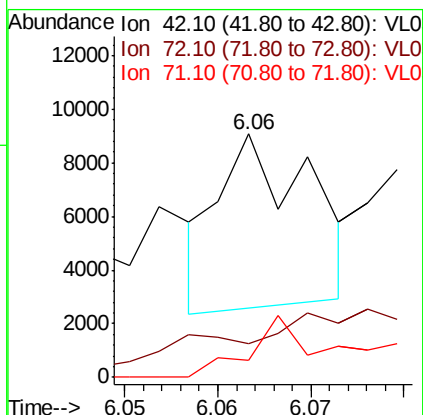
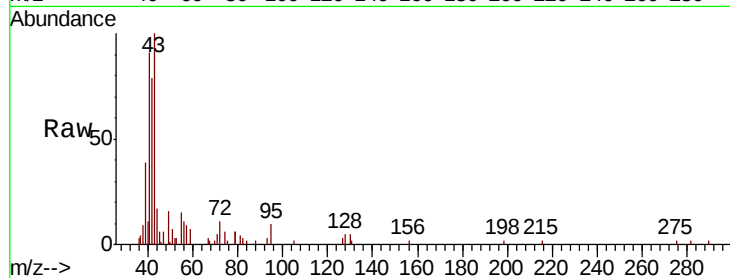




#41
Tetrahydrofuran
Concen: 0.059 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

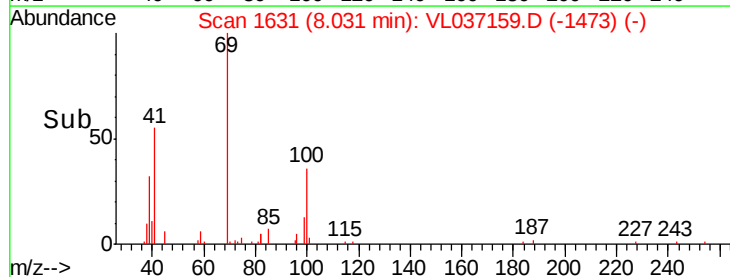
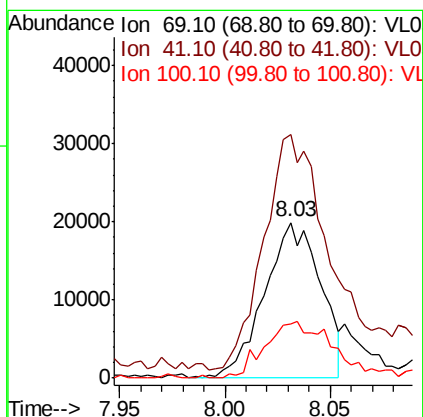
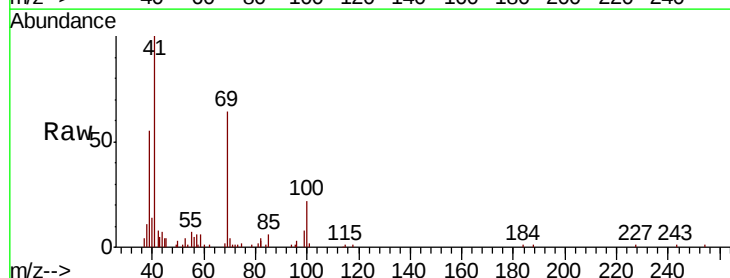
Instrument :
MSVOA_L
ClientSampleId :

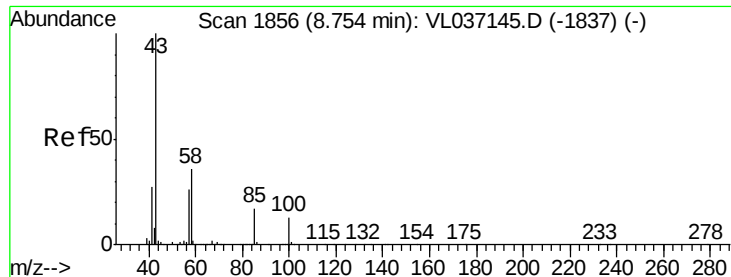
Tot Ion: 42 Resp: 4373
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 72.7 31.0 46.6#



#43
Methyl Methacrylate
Concen: 0.331 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion: 69 Resp: 36754
Ion Ratio Lower Upper
69 100
41 191.6 117.7 176.5#
100 44.9 27.9 41.9#

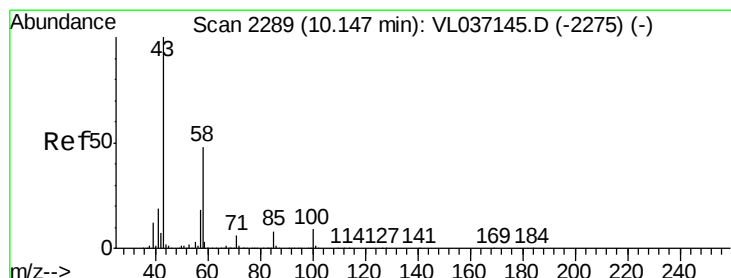
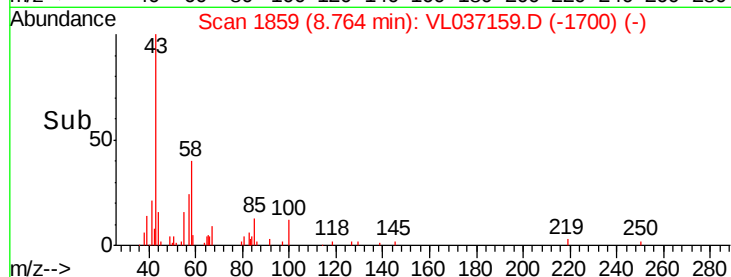
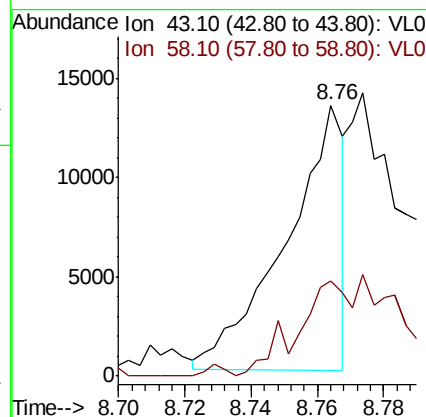
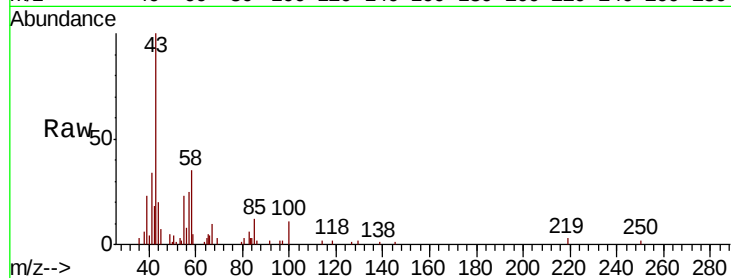




#50
4-Methyl-2-Pentanone
Concen: 0.072 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

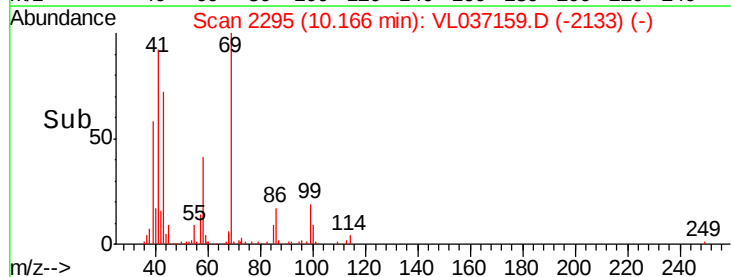
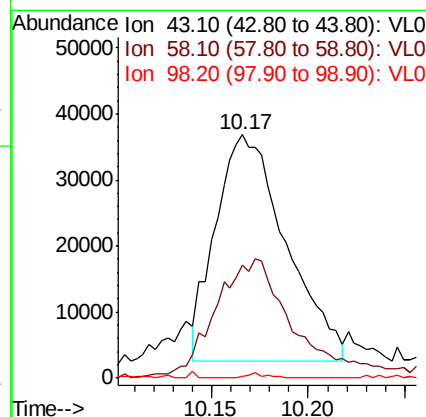
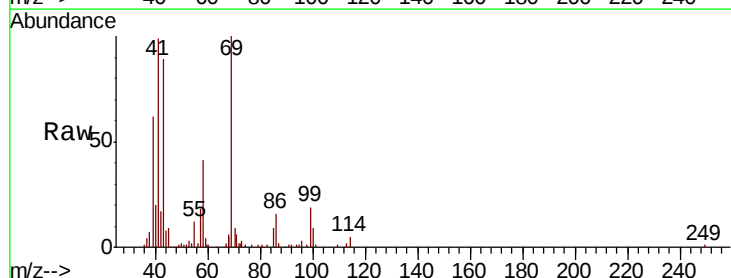
Instrument :
MSVOA_L
ClientSampleId :

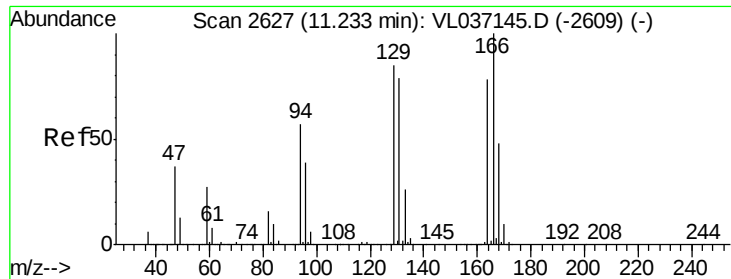
Tot Ion: 43 Resp: 16130
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#51
2-Hexanone
Concen: 0.769 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion: 43 Resp: 86442
Ion Ratio Lower Upper
43 100
58 61.0 40.1 60.1#
98 0.6 0.2 0.4#

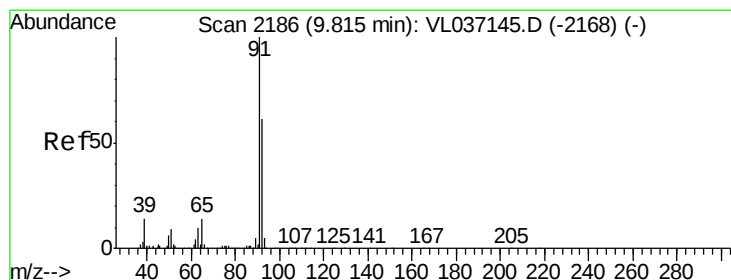
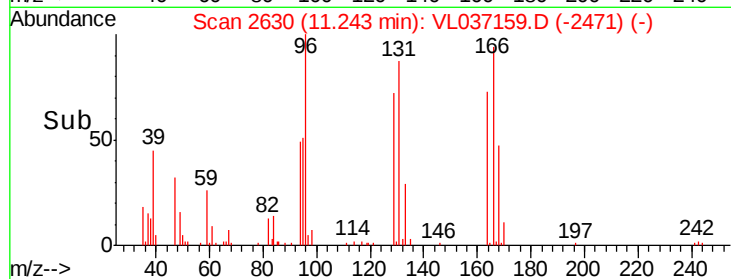
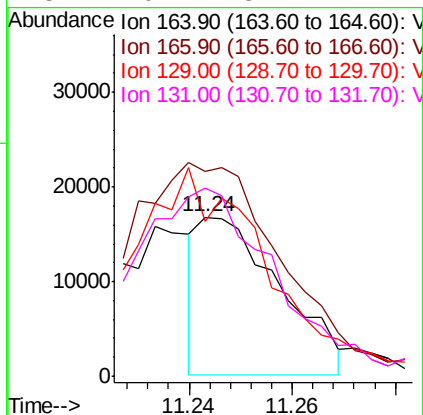
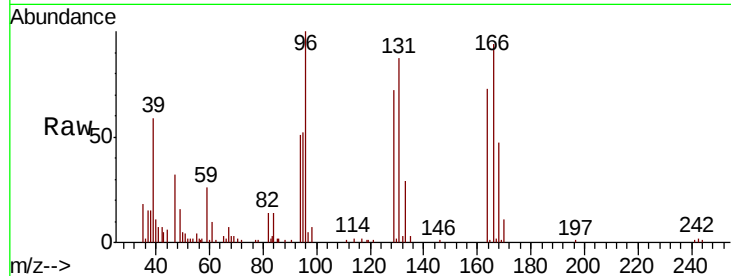




#52
Tetrachloroethene
Concen: 0.136 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

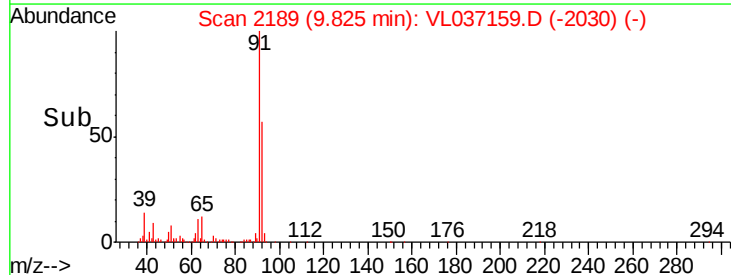
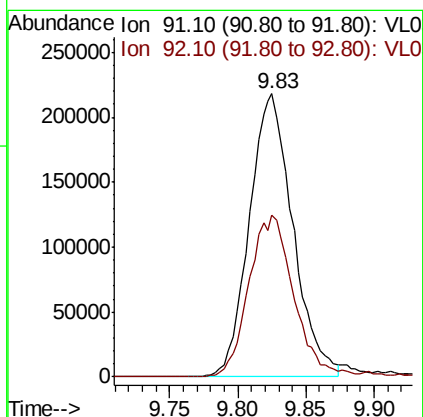
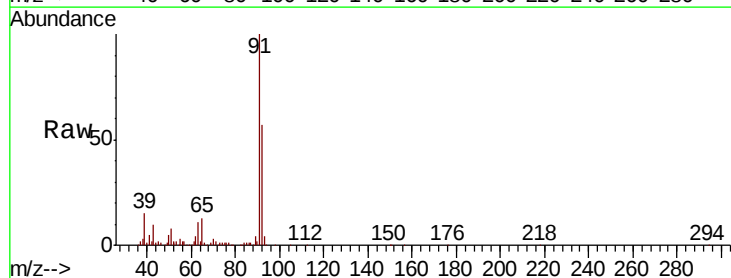
Instrument :
MSVOA_L
ClientSampleId :

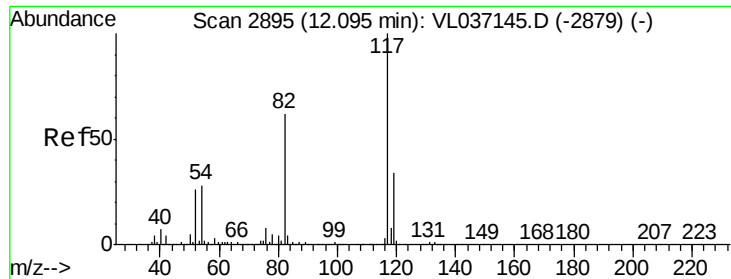
Tot Ion:164 Resp: 18222
Ion Ratio Lower Upper
164 100
166 122.5 102.6 154.0
129 89.8 87.4 131.2
131 119.4 81.4 122.2



#53
Toluene
Concen: 1.254 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion: 91 Resp: 481995
Ion Ratio Lower Upper
91 100
92 60.1 48.6 73.0

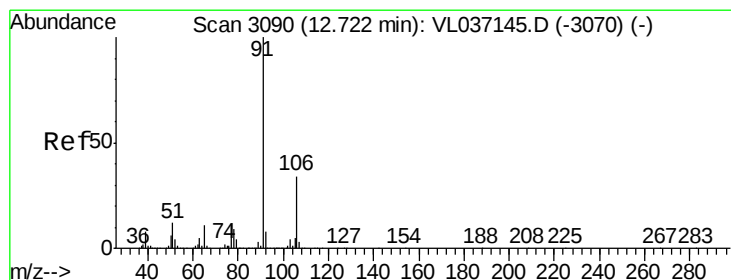
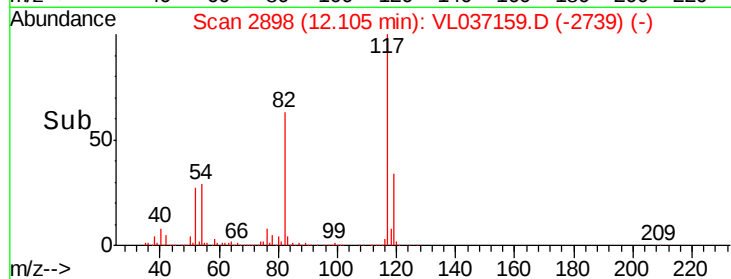
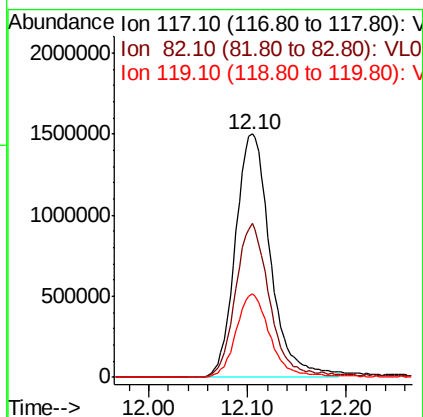
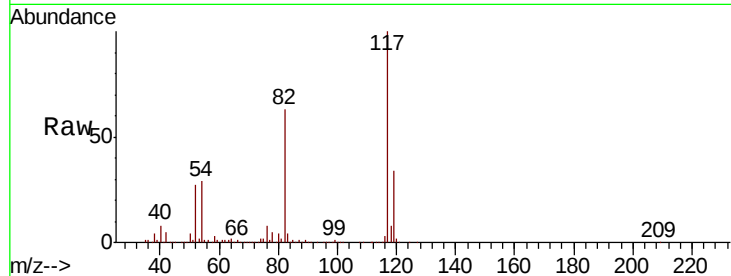




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

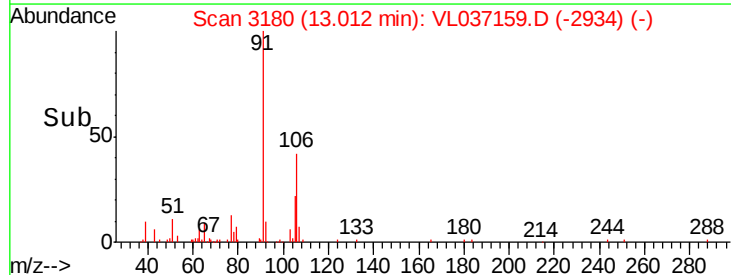
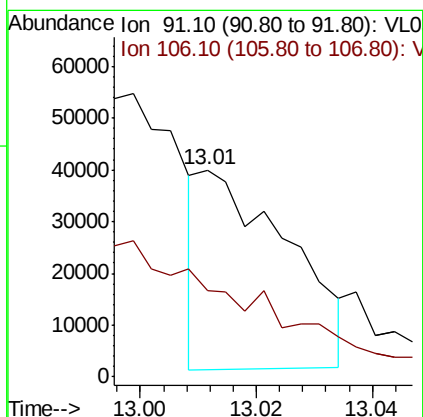
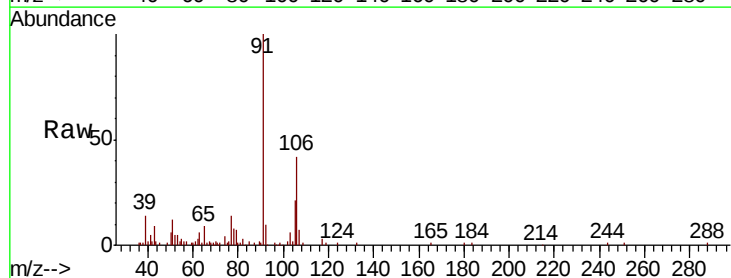
Instrument :
MSVOA_L
ClientSampleId :

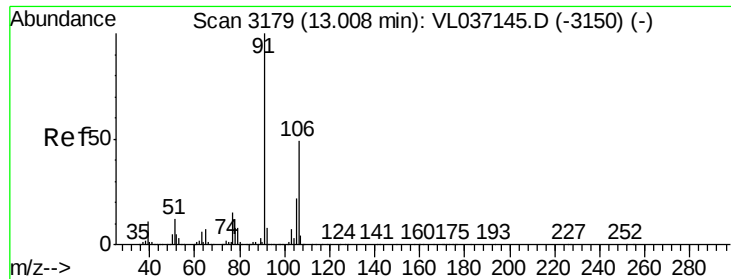
Tot Ion:117 Resp: 3705390
Ion Ratio Lower Upper
117 100
82 63.4 50.6 76.0
119 34.2 27.1 40.7



#58
Ethyl Benzene
Concen: 0.081 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.29 min
Lab File: VL037159.D
Acq: 15 Jun 2021 16:29

Tgt Ion: 91 Resp: 40741
Ion Ratio Lower Upper
91 100
106 36.5 26.8 40.2





#59

m/p-Xylene

Concen: 0.096 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

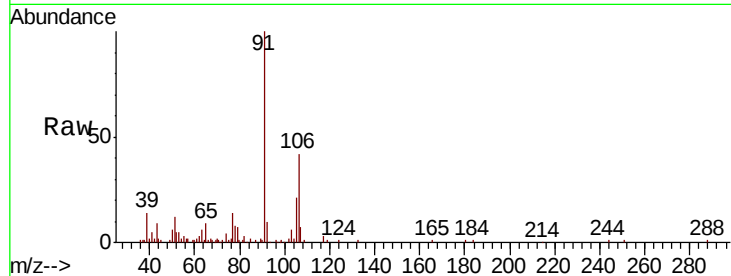
ClientSampled :

Tot Ion: 91 Resp: 40741

Ion Ratio Lower Upper

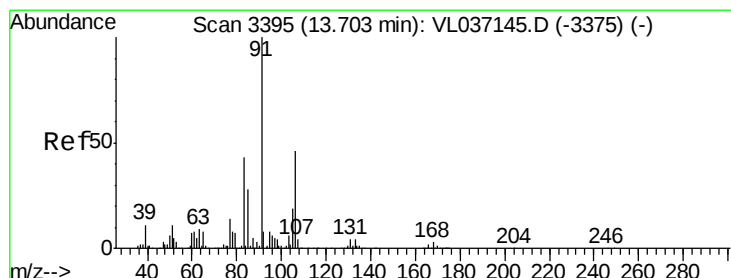
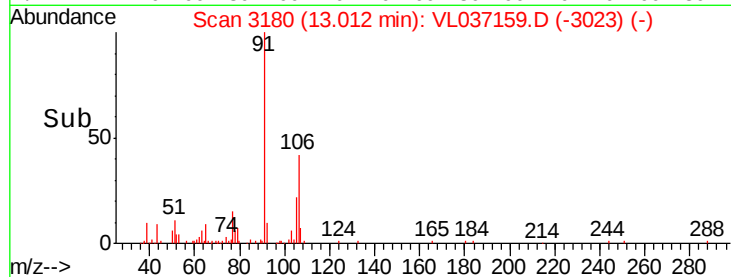
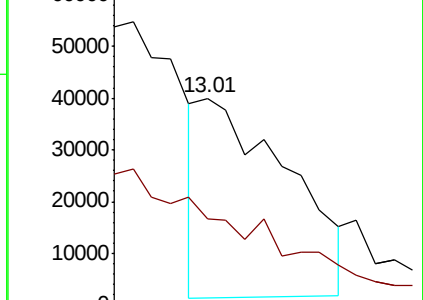
91 100

106 0.0 36.9 55.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.068 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL037159.D

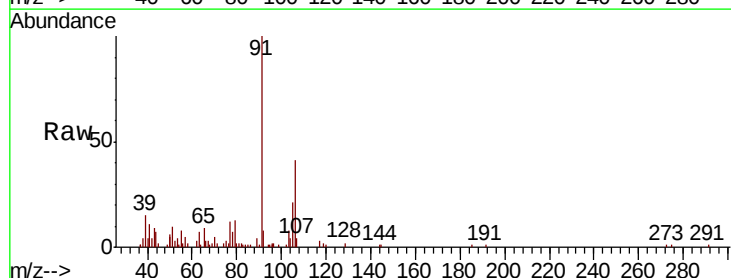
Acq: 15 Jun 2021 16:29

Tgt Ion: 91 Resp: 27678

Ion Ratio Lower Upper

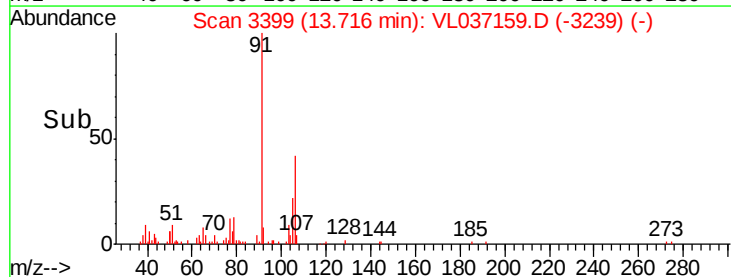
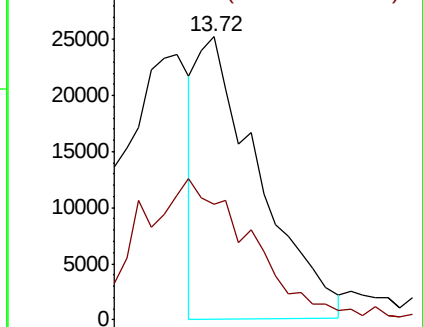
91 100

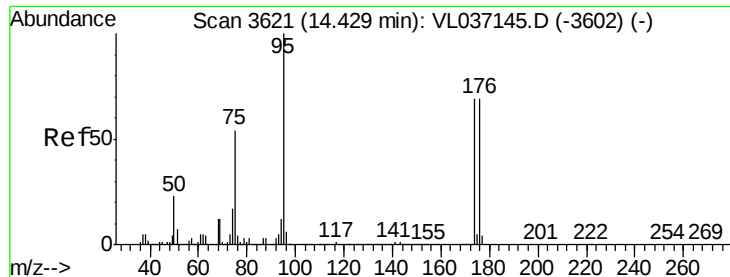
106 0.0 23.1 69.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.169 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

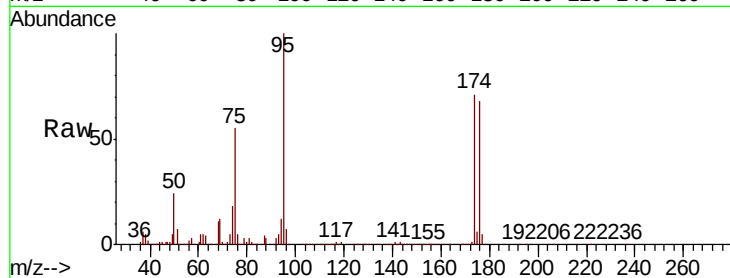
Tot Ion: 95 Resp: 2775283

Ion Ratio Lower Upper

95 100

174 73.9 57.6 86.4

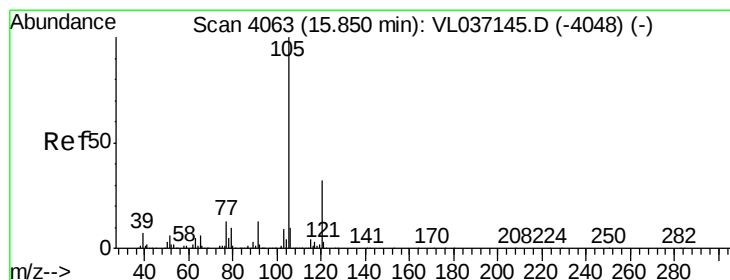
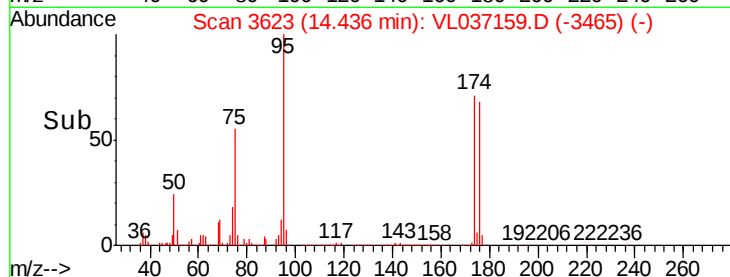
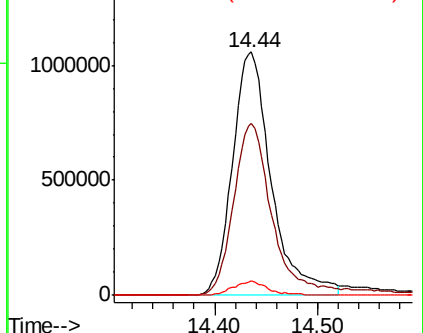
175 5.5 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#72

4-Ethyltoluene

Concen: 0.025 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Tgt Ion: 105 Resp: 11664

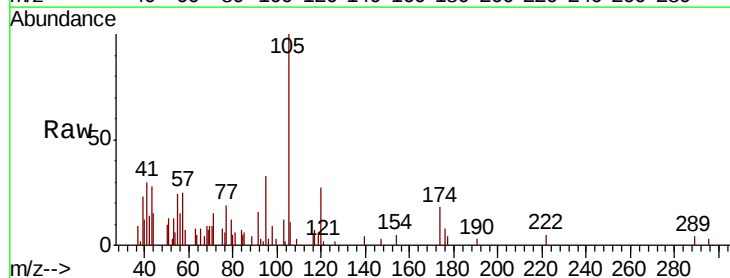
Ion Ratio Lower Upper

105 100

120 0.0 25.1 37.7#

91 0.0 10.3 15.5#

77 30.8 11.0 16.6#

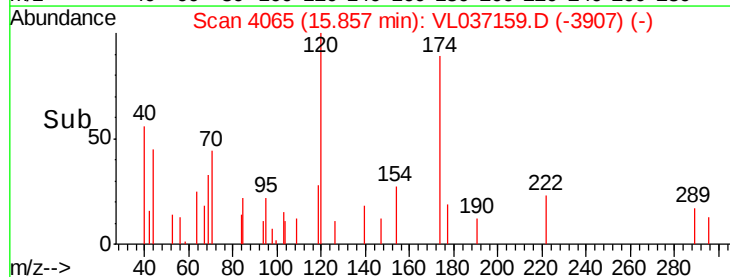
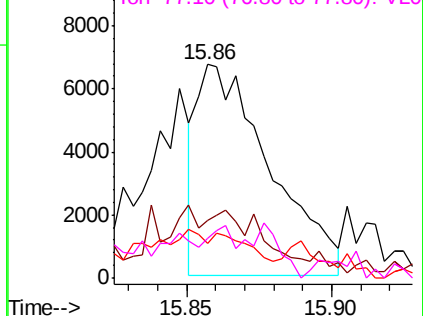


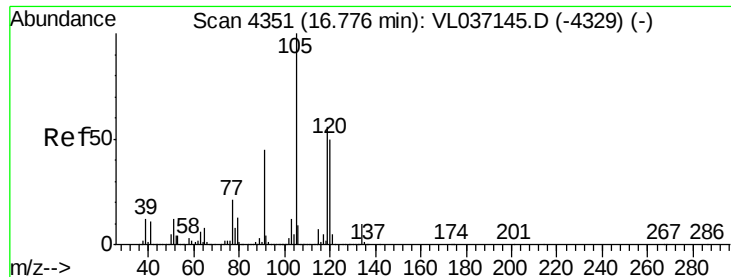
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#74

1,2,4-Trimethylbenzene

Concen: 0.054 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.01 min

Lab File: VL037159.D

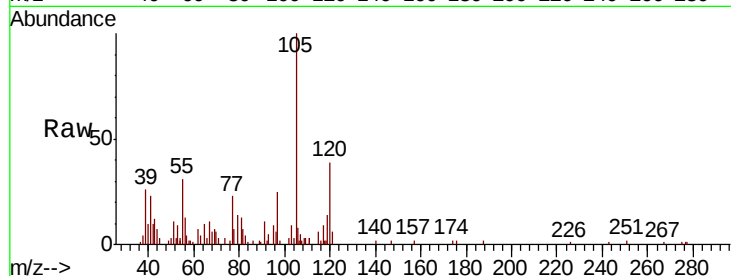
Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	24966
Ion	Ratio	Lower	Upper
105	100		
120	31.4	39.7	59.5#
91	7.8	35.8	53.8#
77	25.6	16.7	25.1#

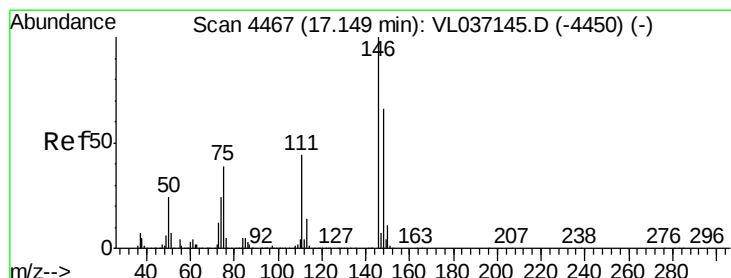
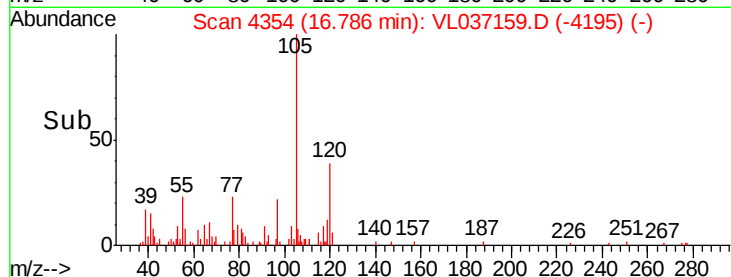
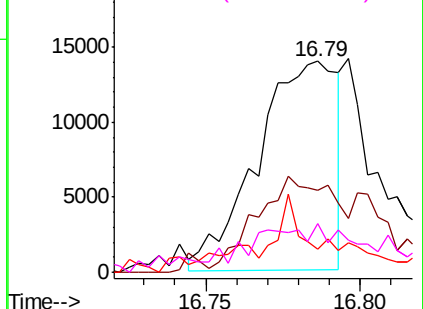


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#76

1,4-Dichlorobenzene

Concen: 0.101 ppbv

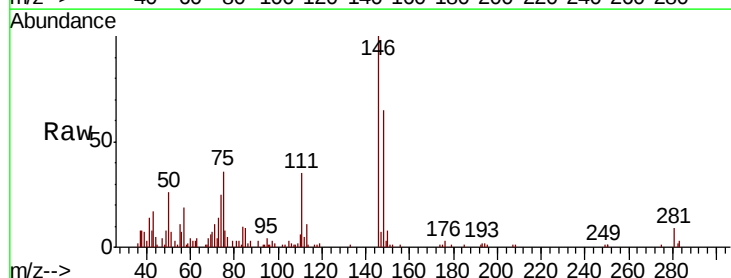
RT: 17.17 min Scan# 4472

Delta R.T. 0.02 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

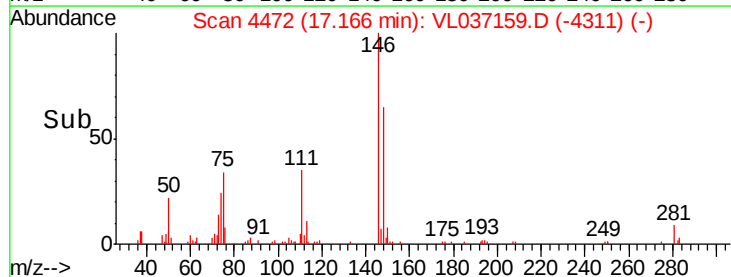
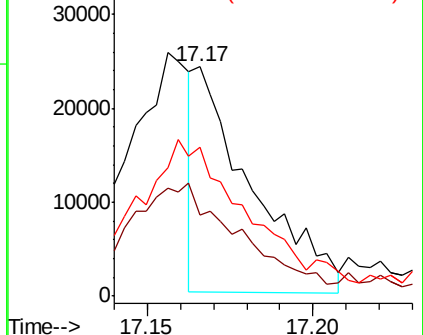
Tgt Ion:	146	Resp:	28479
Ion	Ratio	Lower	Upper
146	100		
111	119.7	21.9	65.5#
148	0.0	32.4	97.0#

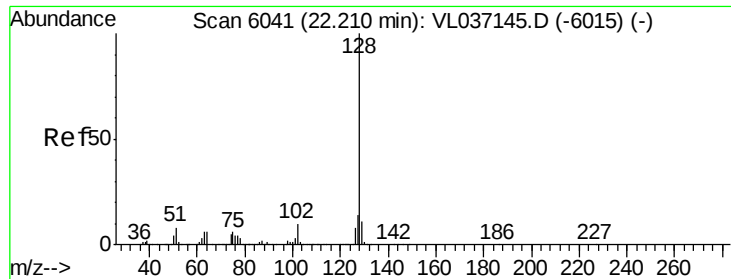


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.023 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. 0.02 min

Lab File: VL037159.D

Acq: 15 Jun 2021 16:29

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 6235

Ion Ratio Lower Upper

128 100

127 12.3 10.9 16.3

129 1.6 9.0 13.4#

