

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037224.D
 Acq On : 22 Jun 2021 19:51
 Operator : SY/AP
 Sample : M2807-03DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 23 01:41:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1093882	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3424750	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3203674	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2574164	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	39424	0.207	ppbv 96
3) Chlorodifluoromethane	3.00	51	126878	0.596	ppbv # 73
4) Chloromethane	3.15	50	47965	0.677	ppbv 97
9) Propene	3.21	41	4224545	62.117	ppbv 94
10) Heptane	8.13	43	402757	2.445	ppbv 100
11) Trichlorofluoromethane	3.95	101	23536	0.116	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	9232	0.065	ppbv # 75
13) Ethanol	3.61	45	2392168	227.379	ppbv 49
15) Acetone	3.85	43	8299312	67.280	ppbv 95
16) 1,3-Butadiene	3.31	39	44420	0.609	ppbv # 11
17) tert-Butyl alcohol	4.31	59	270241	2.370	ppbv 100
19) Isopropyl Alcohol	3.98	45	307461	4.115	ppbv # 1
20) Methylene Chloride	4.35	84	343160	4.647	ppbv 97
21) Allyl Chloride	4.31	41	116776	1.256	ppbv # 70
23) Vinyl Acetate	5.07	43	466682	2.638	ppbv # 12
25) Ethyl Acetate	5.69	43	1504902	5.635	ppbv # 89
26) Hexane	5.70	57	1332537	9.873	ppbv # 63
27) Carbon Disulfide	4.56	76	3985	0.030	ppbv # 10
29) Chloroform	5.76	83	15030	0.072	ppbv 90
30) Cyclohexane	7.14	84	219244	1.950	ppbv # 85
34) 2-Butanone	5.26	43	272224	2.044	ppbv 96
35) Carbon Tetrachloride	7.03	117	8468	0.037	ppbv 93
36) Benzene	6.91	78	85865	0.310	ppbv # 88
37) 1,2-Dichloroethane	6.32	62	3741	0.023	ppbv # 68
39) 1,2-Dichloropropane	7.19	63	823927	8.006	ppbv # 22
40) 1,4-Dioxane	7.85	88	3744	0.133	ppbv # 1
41) Tetrahydrofuran	6.04	42	6962	0.113	ppbv # 1
42) Bromodichloromethane	7.80	83	7069	0.032	ppbv # 45
43) Methyl Methacrylate	8.02	69	3180	0.033	ppbv # 1
44) 2,2,4-Trimethylpentane	7.88	57	174963	0.375	ppbv # 33
50) 4-Methyl-2-Pentanone	8.77	43	35803	0.196	ppbv 94
51) 2-Hexanone	10.15	43	4023	0.045	ppbv # 1
53) Toluene	9.82	91	965262	2.918	ppbv 100
57) Chlorobenzene	12.16	112	17126	0.066	ppbv # 29
58) Ethyl Benzene	12.72	91	591861	1.342	ppbv 95
59) m/p-Xylene	12.98	91	1977727	5.292	ppbv 98
60) o-Xylene	13.71	91	663926	1.866	ppbv 98
61) Styrene	13.54	104	218997	1.192	ppbv 94
62) Isopropylbenzene	14.68	105	45514	0.090	ppbv # 48
63) 1,1,2,2-Tetrachloroethane	13.68	83	5890	0.025	ppbv # 25
64) n-propylbenzene	15.57	120	9205	0.073	ppbv # 1

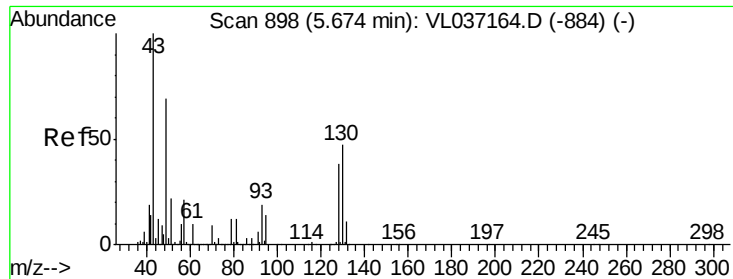
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037224.D
 Acq On : 22 Jun 2021 19:51
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Quant Time: Jun 23 01:41:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.77	119	66453	0.148	ppbv #	66
66) Benzyl Chloride	17.00	91	1087	0.057	ppbv #	1
67) sec-Butylbenzene	17.31	105	13225	0.022	ppbv #	7
69) p-Isopropyltoluene	17.55	119	40347	0.080	ppbv	96
70) n-Butylbenzene	18.56	91	33912	0.072	ppbv #	68
72) 4-Ethyltoluene	15.85	105	173918	0.430	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	194685	0.498	ppbv	89
74) 1,2,4-Trimethylbenzene	16.77	105	557738	1.385	ppbv #	72
76) 1,4-Dichlorobenzene	17.15	146	10886	0.045	ppbv #	1
79) Naphthalene	22.21	128	21759	0.065	ppbv #	86

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampleId :

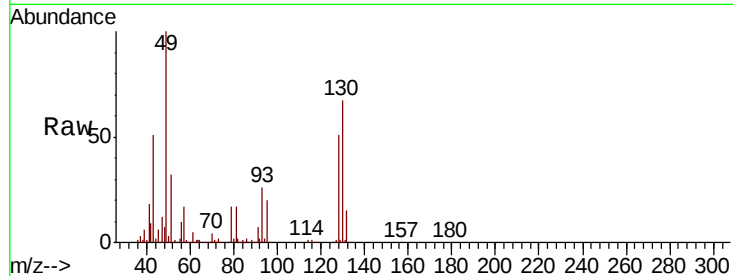
Tot Ion: 49 Resp: 1093882

Ion Ratio Lower Upper

49 100

128 56.2 29.3 88.0

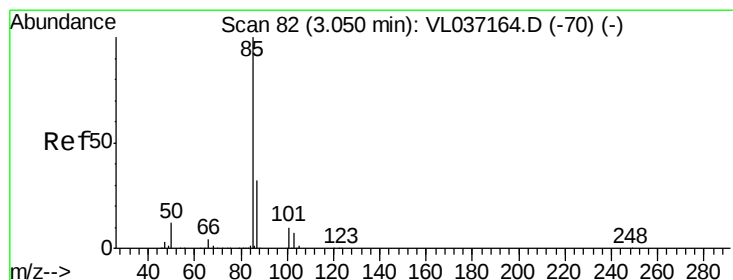
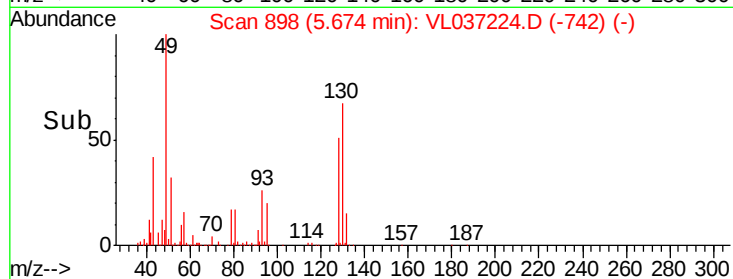
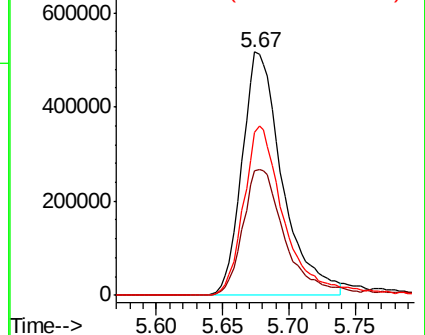
130 72.0 35.9 107.8



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: 0.207 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037224.D

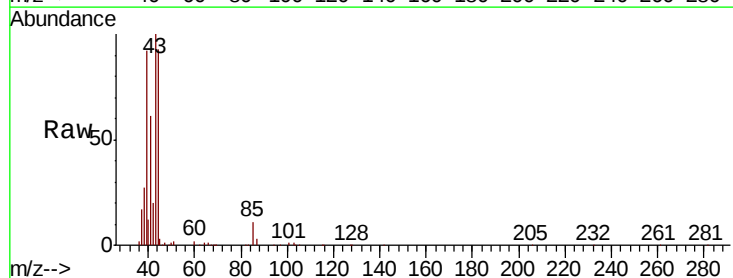
Acq: 22 Jun 2021 19:51

Tgt Ion: 85 Resp: 39424

Ion Ratio Lower Upper

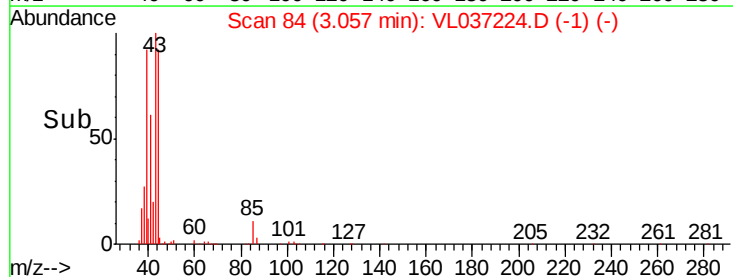
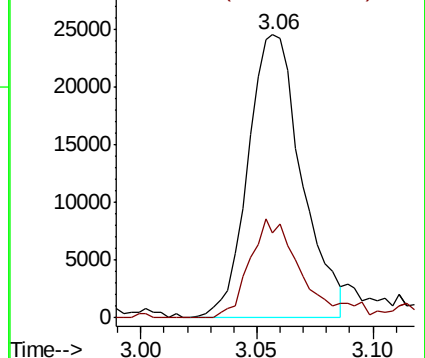
85 100

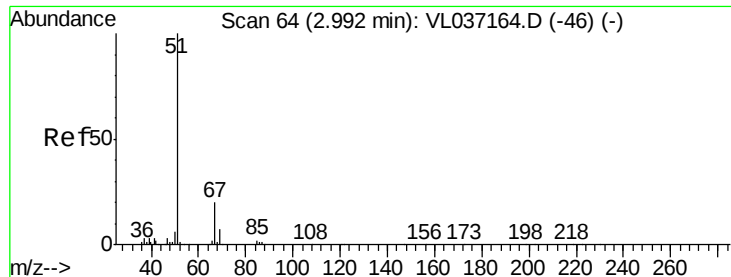
87 30.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.596 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

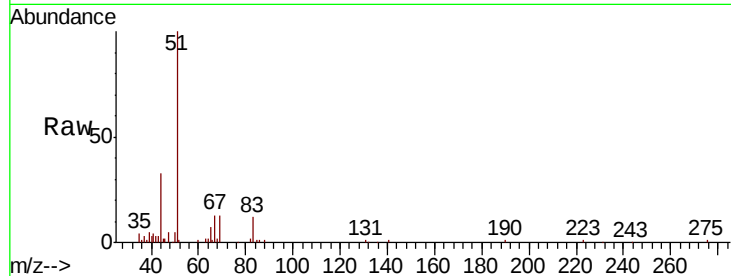
ClientSampleId :

Tot Ion: 51 Resp: 126878

Ion Ratio Lower Upper

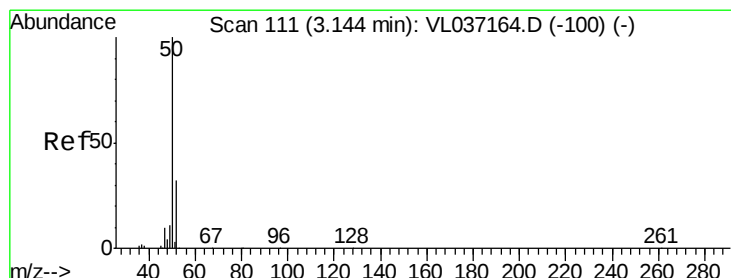
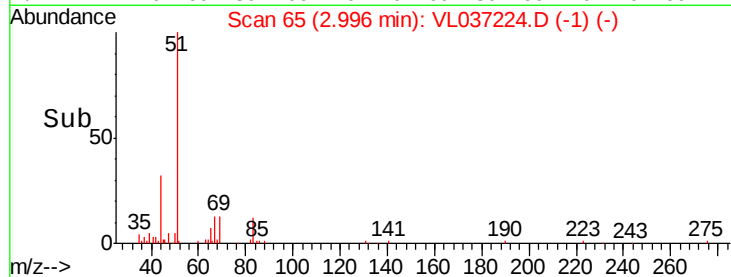
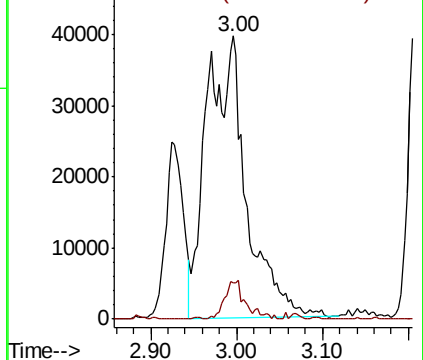
51 100

67 7.3 15.8 23.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.677 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037224.D

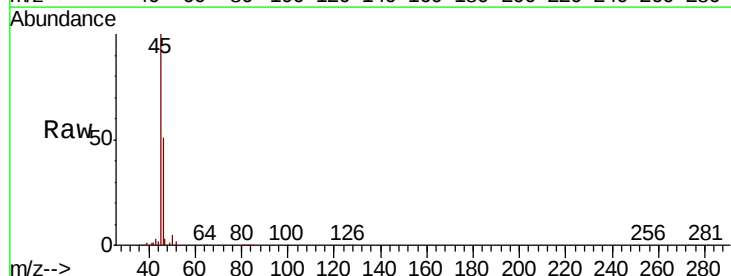
Acq: 22 Jun 2021 19:51

Tgt Ion: 50 Resp: 47965

Ion Ratio Lower Upper

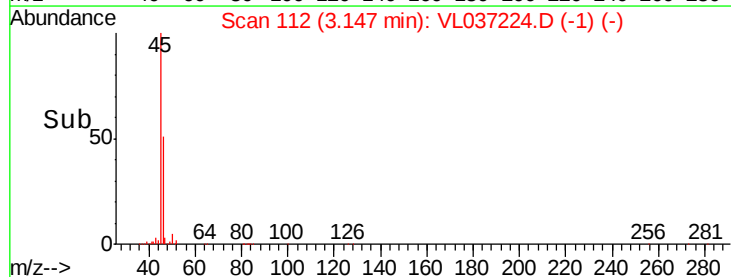
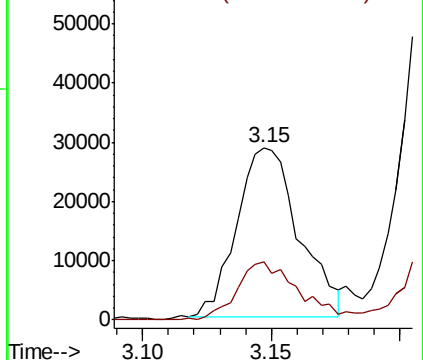
50 100

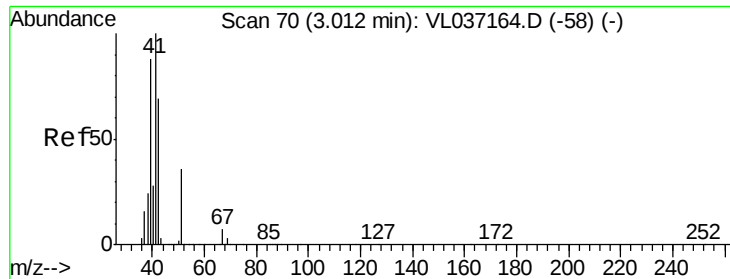
52 33.9 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 62.117 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.20 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

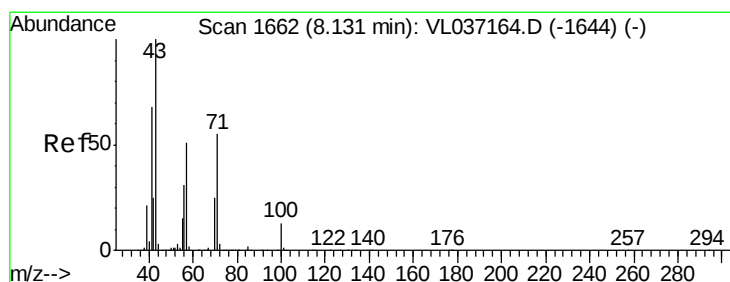
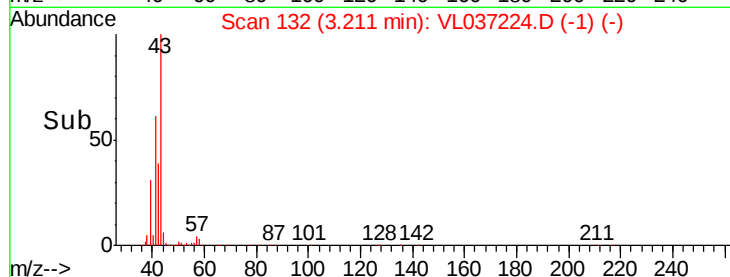
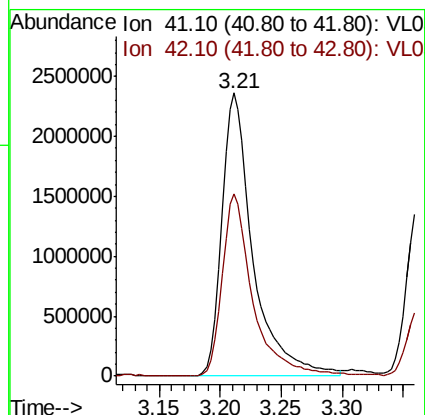
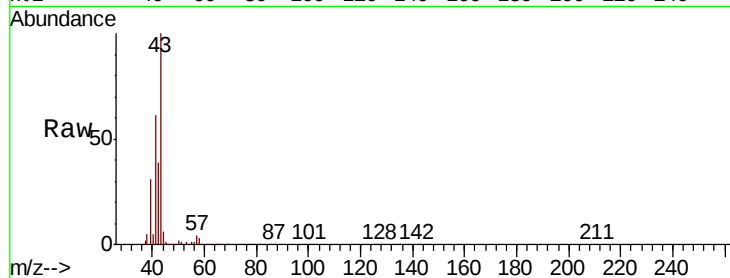
ClientSampled :

Tot Ion: 41 Resp: 4224545

Ion Ratio Lower Upper

41 100

42 63.5 54.5 81.7



#10

Heptane

Concen: 2.445 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL037224.D

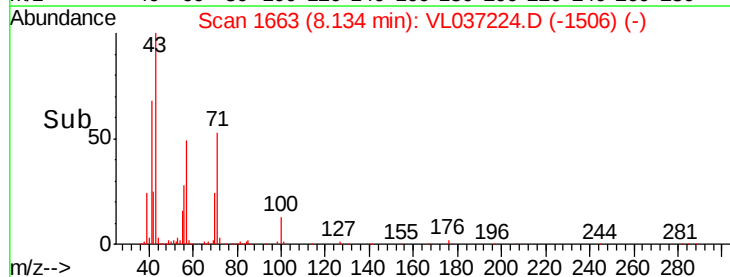
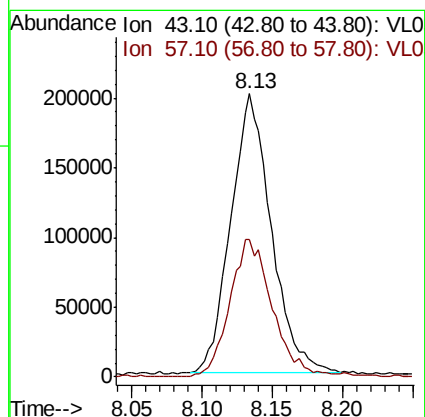
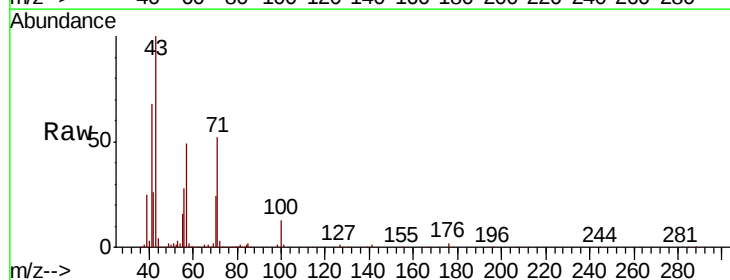
Acq: 22 Jun 2021 19:51

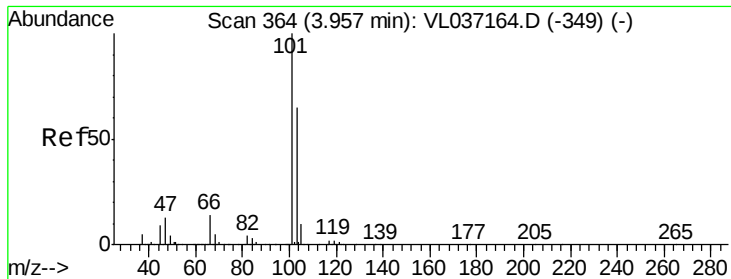
Tgt Ion: 43 Resp: 402757

Ion Ratio Lower Upper

43 100

57 51.1 40.6 61.0

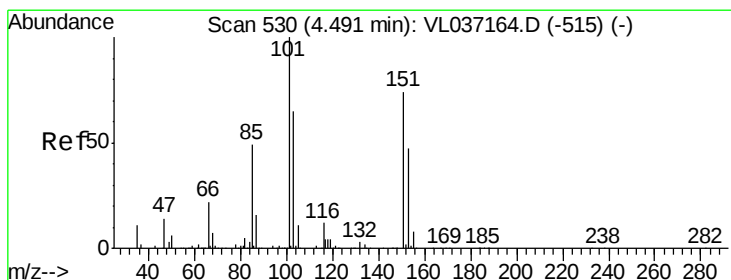
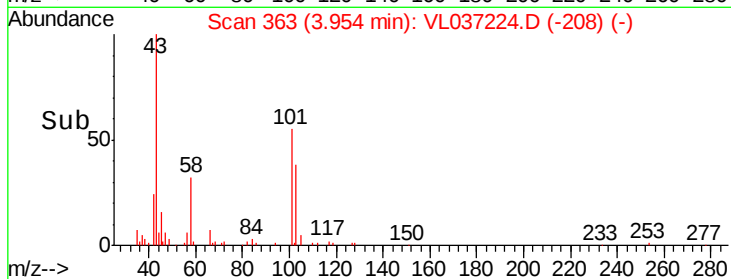
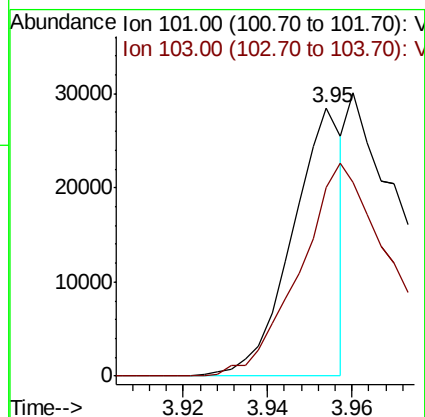
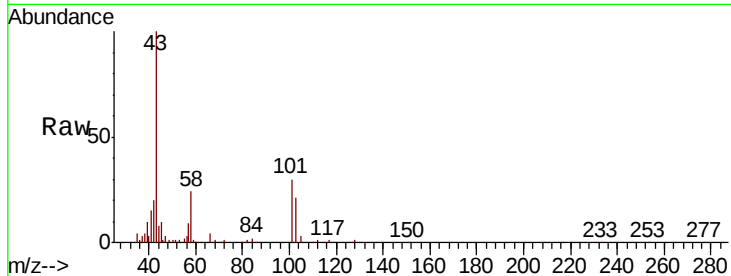




#11
 Trichlorofluoromethane
 Concen: 0.116 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VL037224.D
 Acq: 22 Jun 2021 19:51

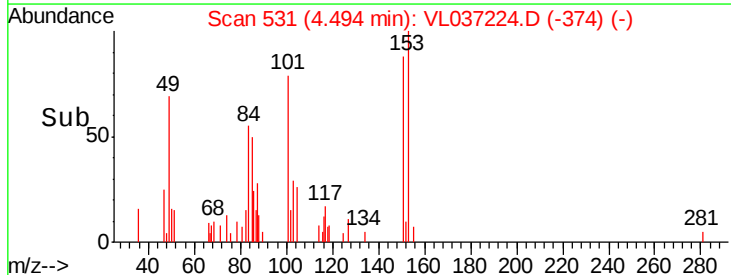
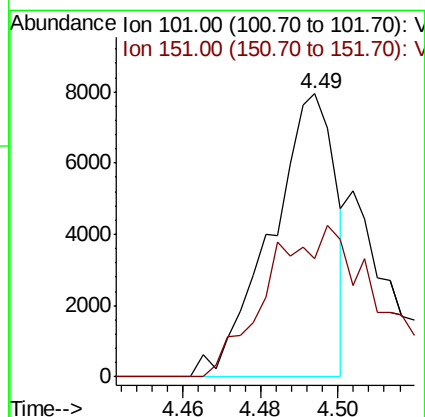
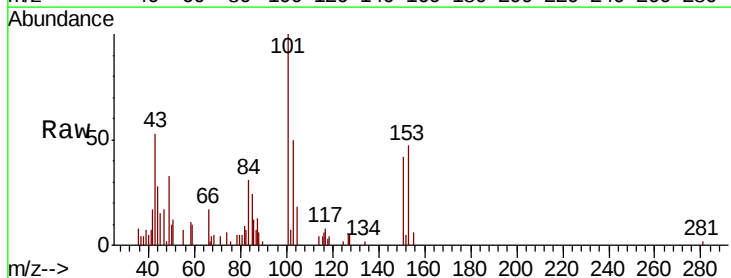
Instrument :
 MSVOA_L
 ClientSampleId :

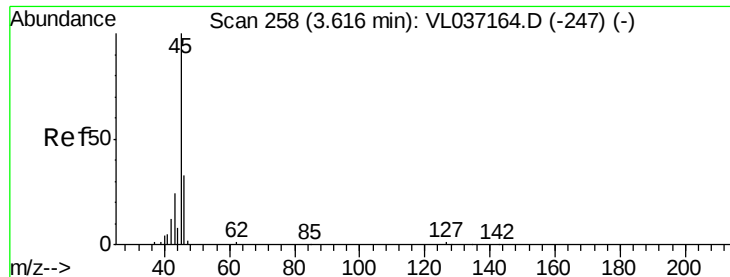
Tot Ion:101 Resp: 23536
 Ion Ratio Lower Upper
 101 100
 103 70.2 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.065 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VL037224.D
 Acq: 22 Jun 2021 19:51

Tgt Ion:101 Resp: 9232
 Ion Ratio Lower Upper
 101 100
 151 95.2 59.1 88.7#

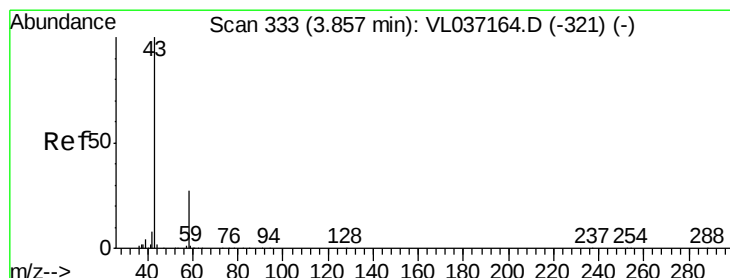
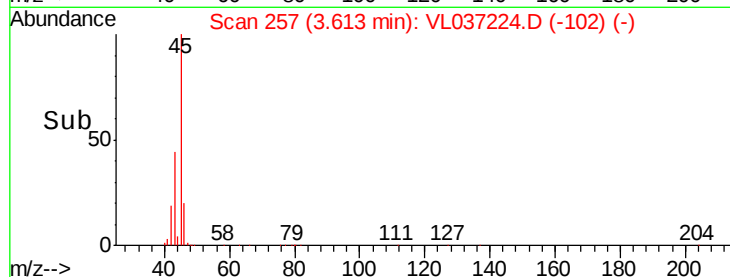
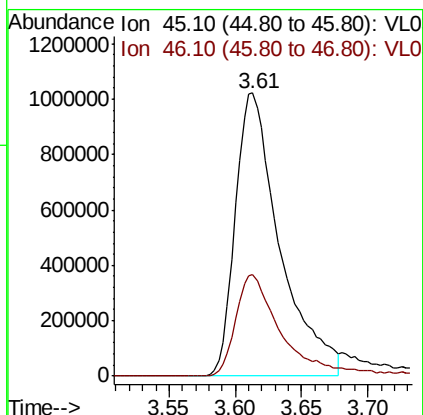
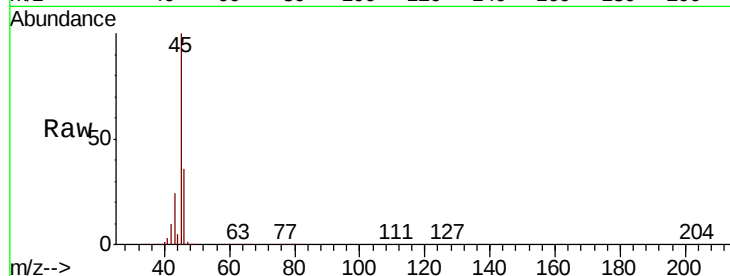




#13
Ethanol
Concen: 227.379 ppbv
RT: 3.61 min Scan# 257
Delta R.T. -0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

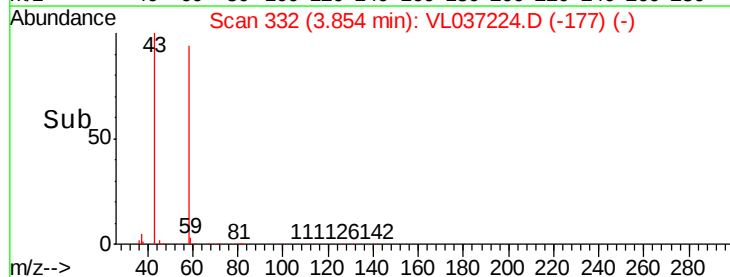
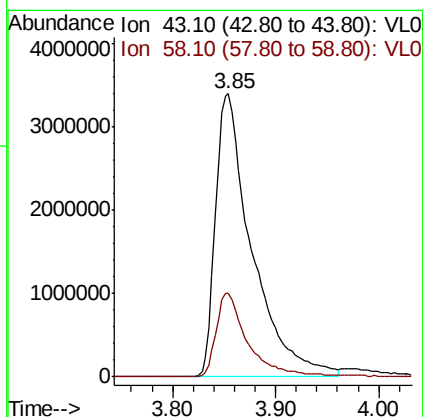
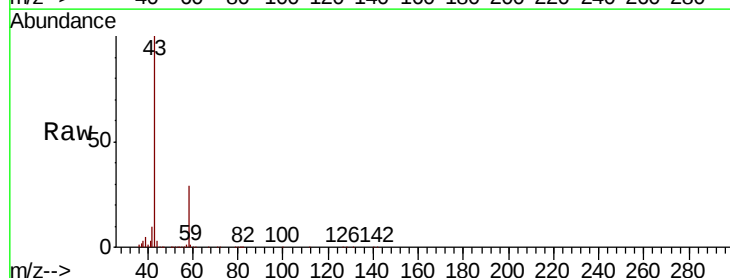
Instrument :
MSVOA_L
ClientSampleId :

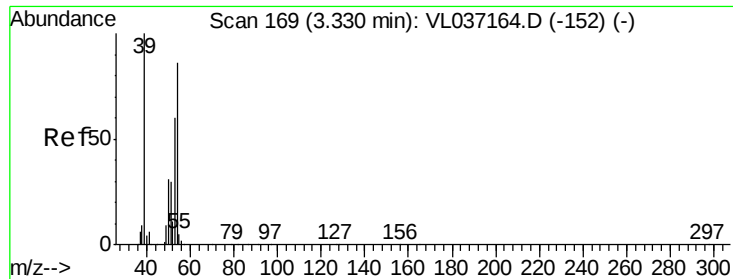
Tot Ion: 45 Resp: 2392168
Ion Ratio Lower Upper
45 100
46 38.4 34.2 137.0



#15
Acetone
Concen: 67.280 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 43 Resp: 8299312
Ion Ratio Lower Upper
43 100
58 26.7 23.7 35.5

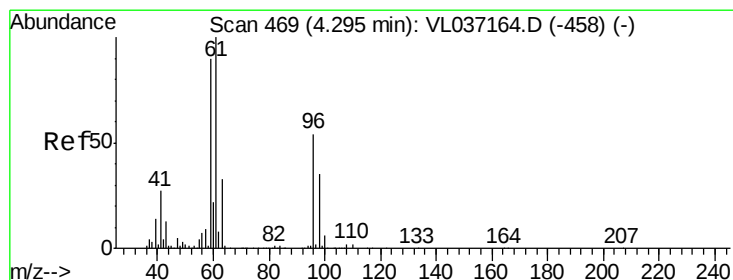
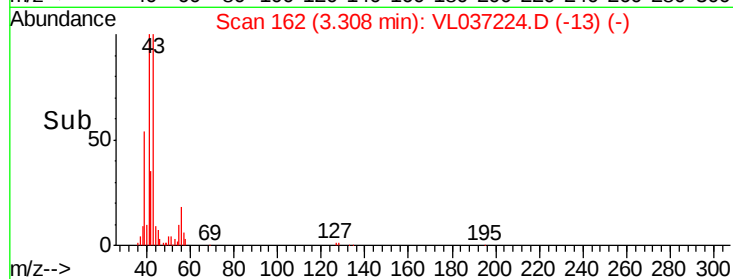
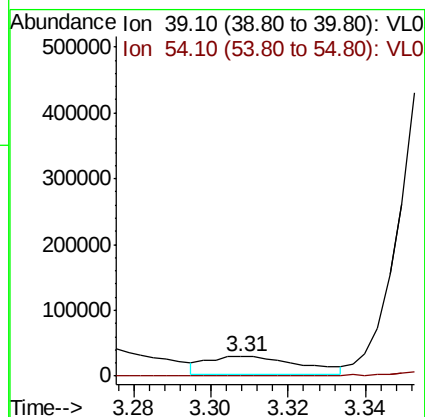
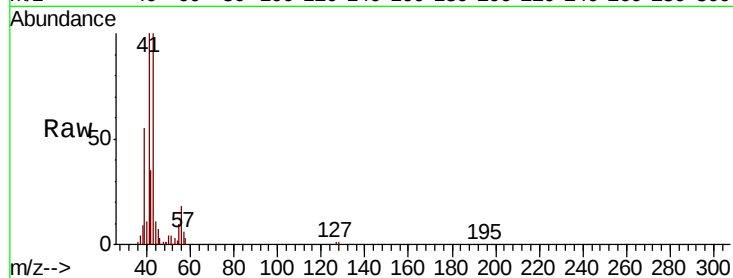




#16
1,3-Butadiene
Concen: 0.609 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.02 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

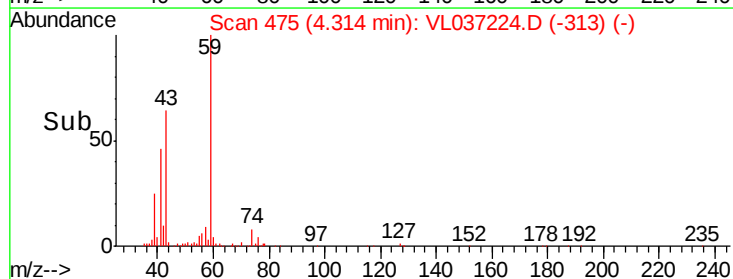
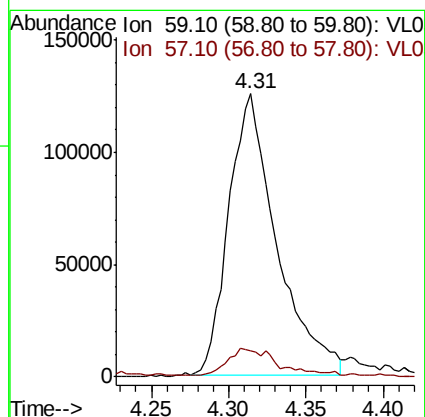
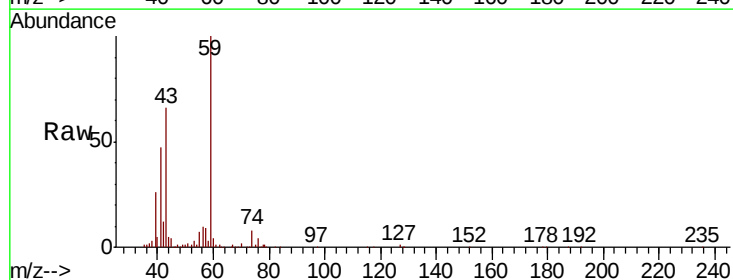
Instrument :
MSVOA_L
ClientSampleId :

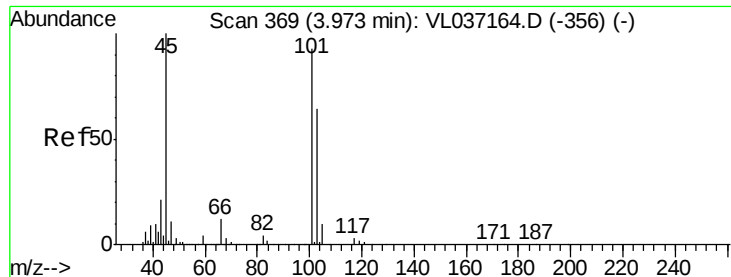
Tot Ion: 39 Resp: 44420
Ion Ratio Lower Upper
39 100
54 0.0 61.2 91.8#



#17
tert-Butyl alcohol
Concen: 2.370 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.02 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 59 Resp: 270241
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2





#19

Isopropyl Alcohol

Concen: 4.115 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

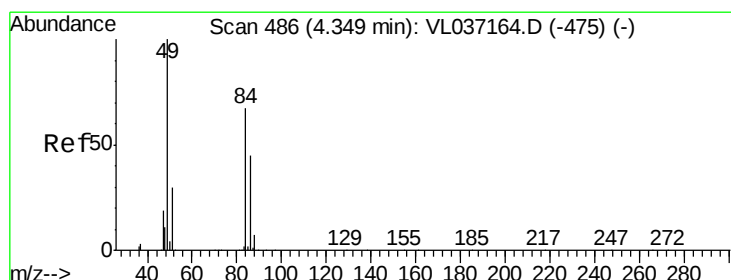
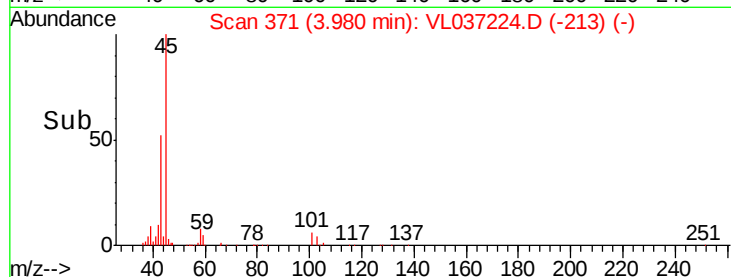
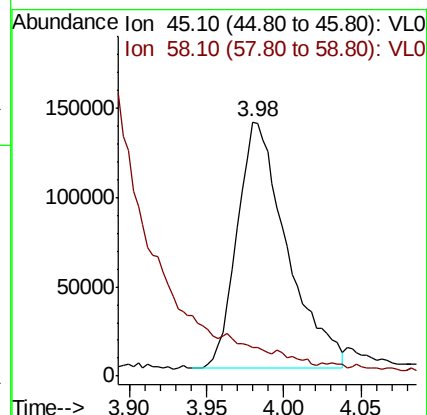
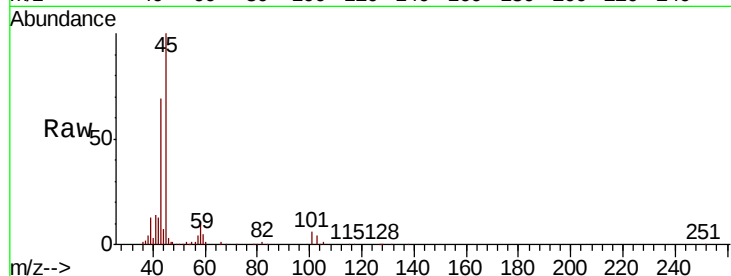
ClientSampleId :

Tot Ion: 45 Resp: 307461

Ion Ratio Lower Upper

45 100

58 720.6 2.4 3.6#



#20

Methylene Chloride

Concen: 4.647 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Tgt Ion: 84 Resp: 343160

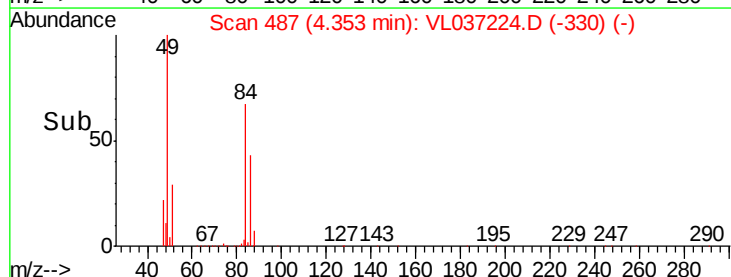
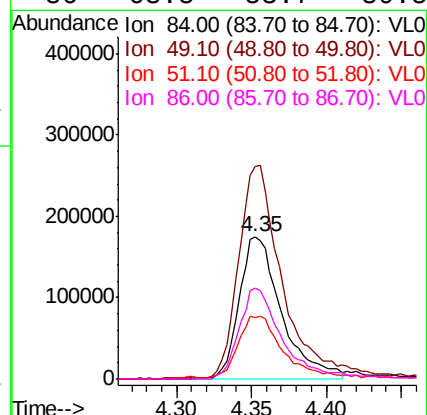
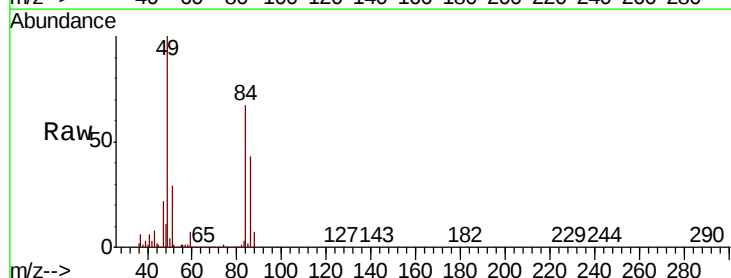
Ion Ratio Lower Upper

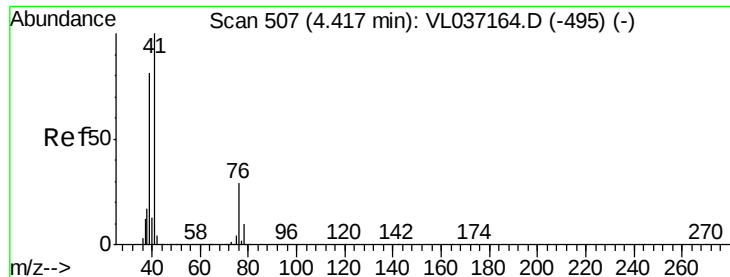
84 100

49 148.4 119.7 179.5

51 40.8 36.1 54.1

86 63.5 53.7 80.5





#21

Allvl Chloride

Concen: 1.256 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.10 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampleId :

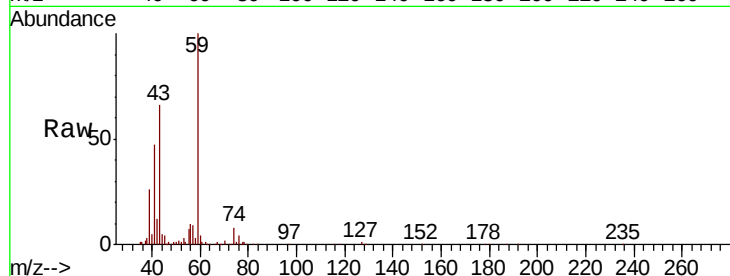
Tot Ion: 41 Resp: 116776

Ion Ratio Lower Upper

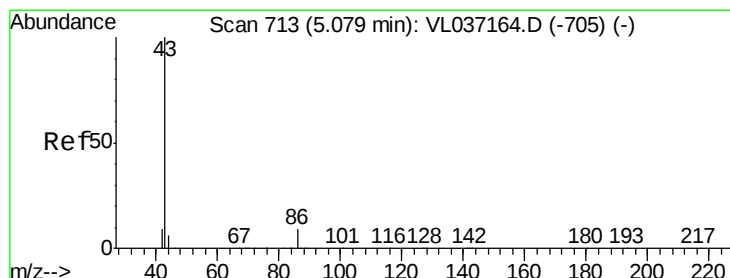
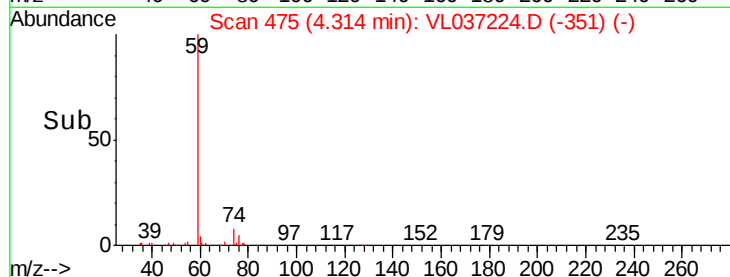
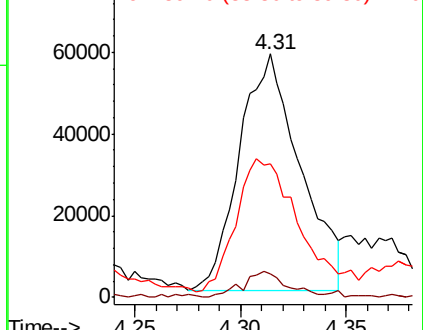
41 100

76 8.6 24.6 37.0#

39 58.6 65.4 98.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 2.638 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Tgt Ion: 43 Resp: 466682

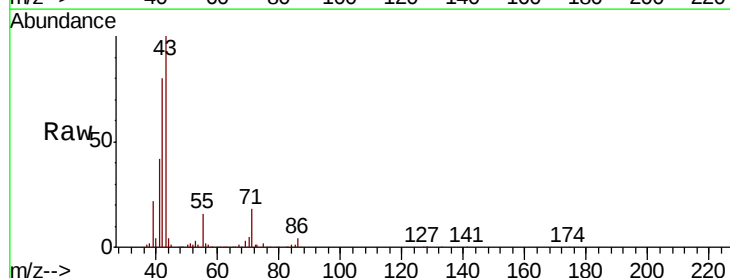
Ion Ratio Lower Upper

43 100

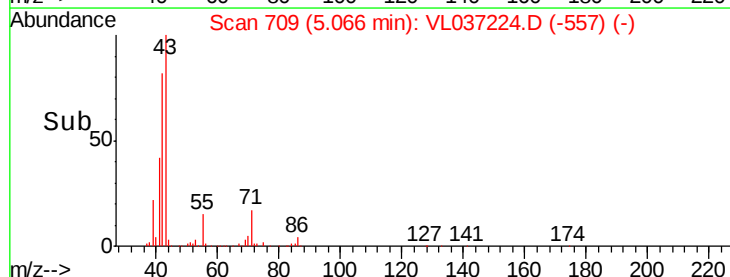
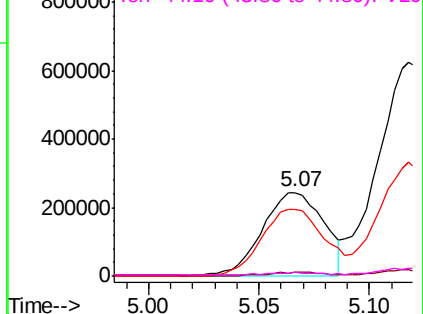
86 4.1 5.8 8.8#

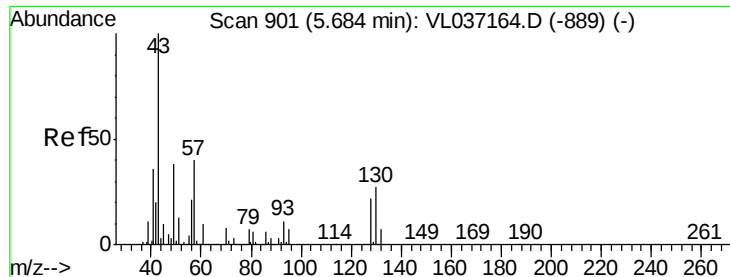
42 80.0 8.2 12.2#

44 3.1 4.2 6.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



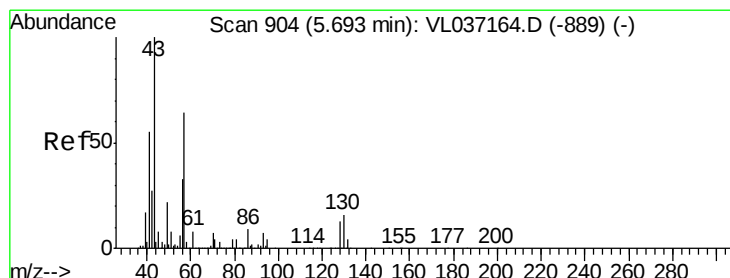
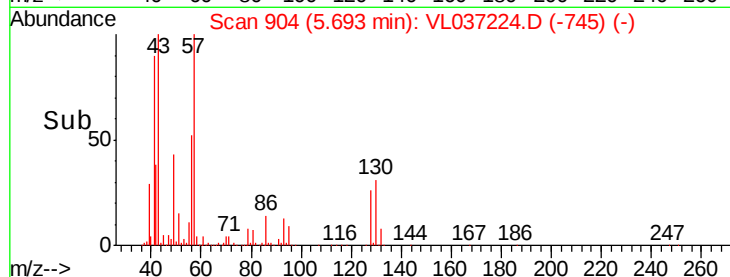
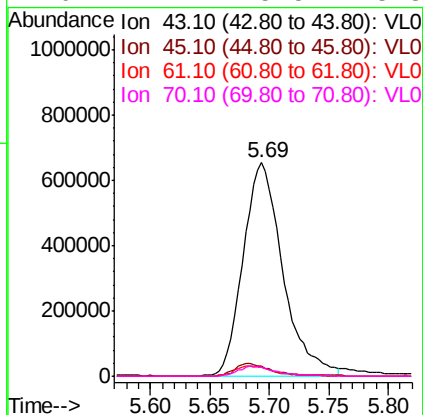
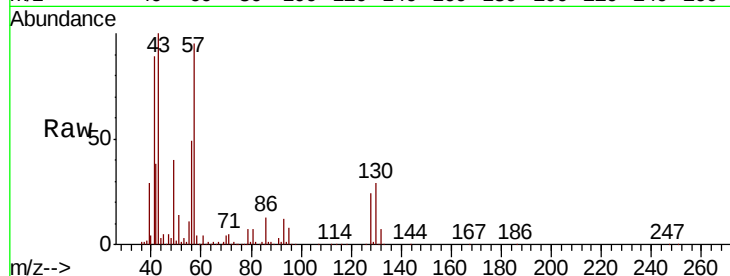


#25
Ethyl Acetate
Concen: 5.635 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1504902

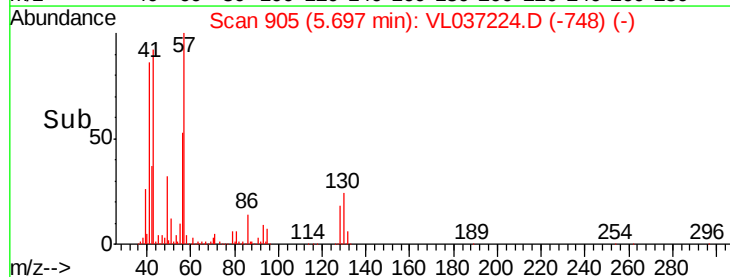
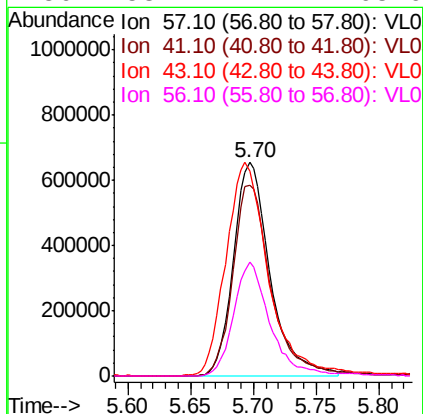
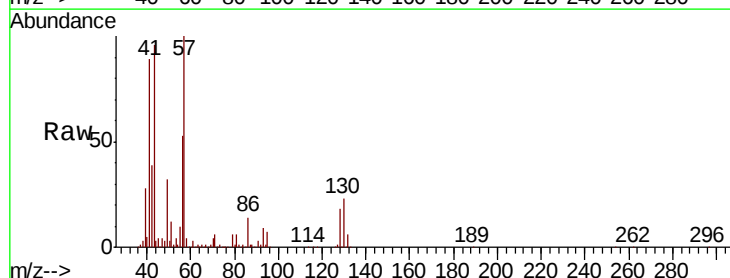
Ion	Ratio	Lower	Upper
43	100		
45	5.9	8.0	12.0#
61	5.1	8.1	12.1#
70	4.7	5.5	8.3#

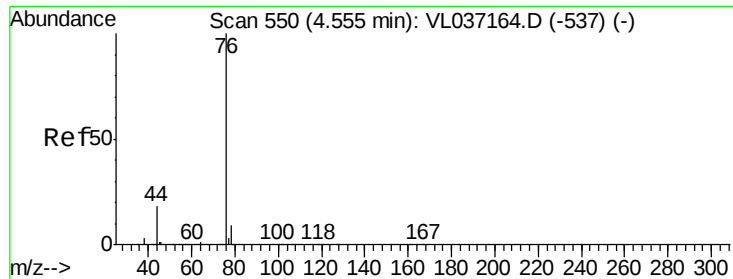


#26
Hexane
Concen: 9.873 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 57 Resp: 1332537

Ion	Ratio	Lower	Upper
57	100		
41	93.4	73.5	110.3
43	116.9	170.7	256.1#
56	53.7	42.4	63.6





#27

Carbon Disulfide

Concen: 0.030 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampleId :

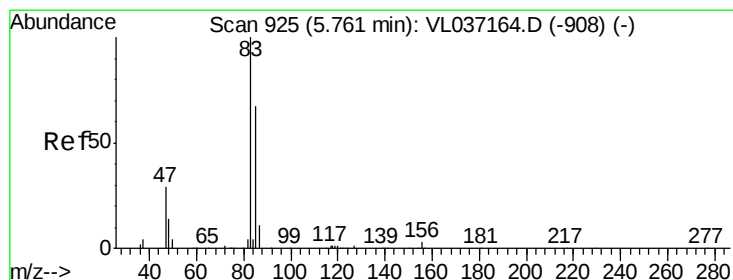
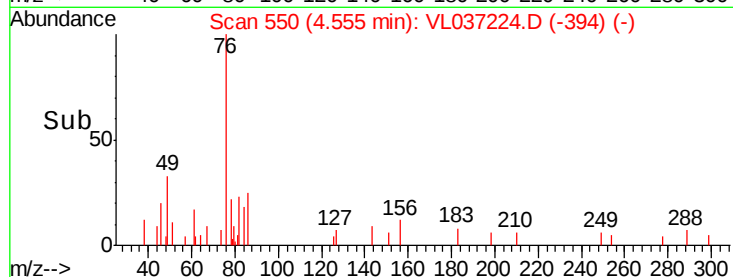
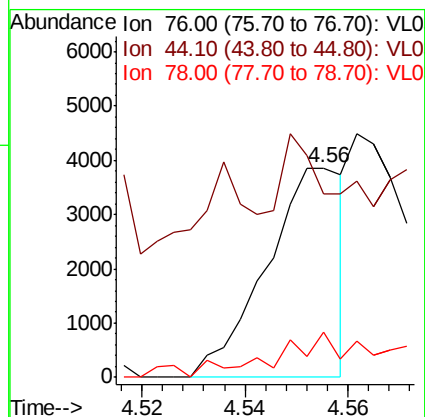
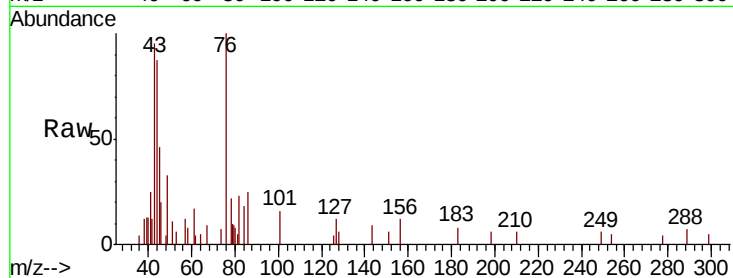
Tot Ion: 76 Resp: 3985

Ion Ratio Lower Upper

76 100

44 75.2 15.4 23.2#

78 0.0 8.0 12.0#



#29

Chloroform

Concen: 0.072 ppbv

RT: 5.76 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL037224.D

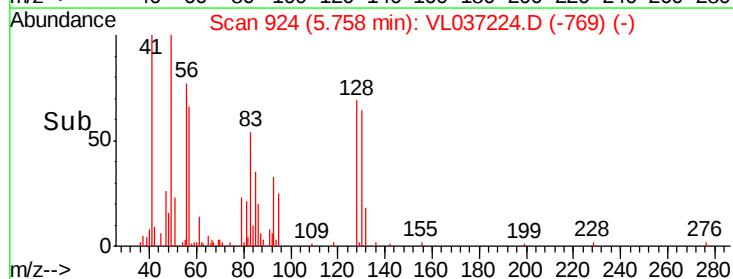
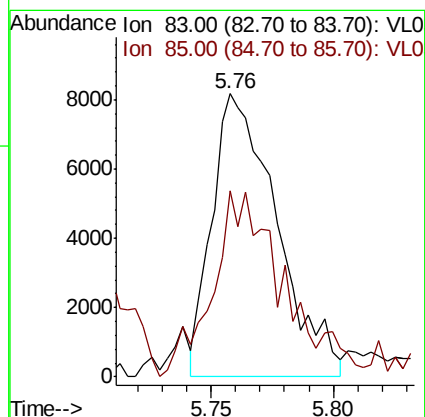
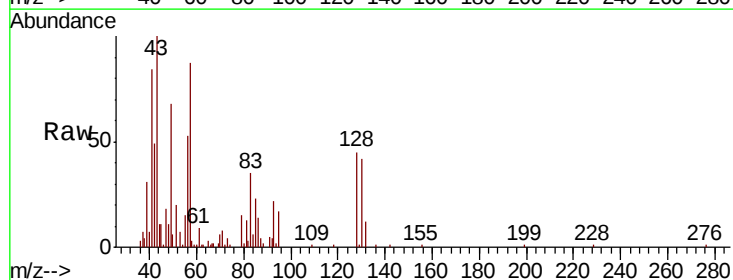
Acq: 22 Jun 2021 19:51

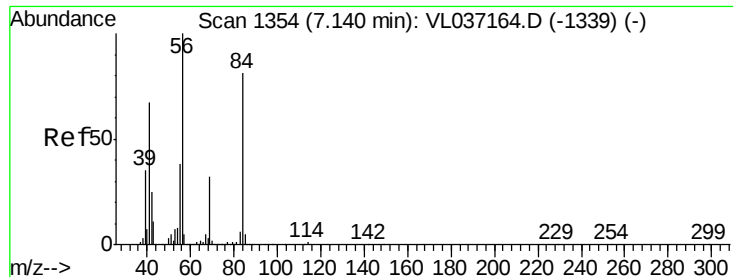
Tgt Ion: 83 Resp: 15030

Ion Ratio Lower Upper

83 100

85 59.1 53.6 80.4

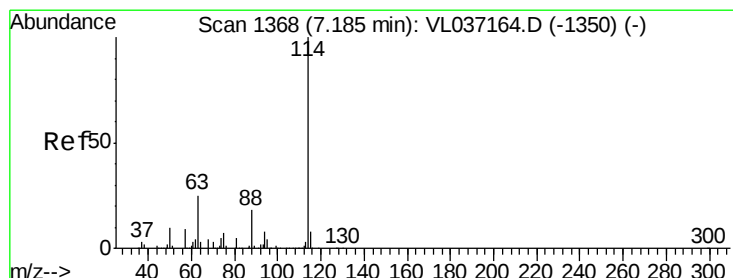
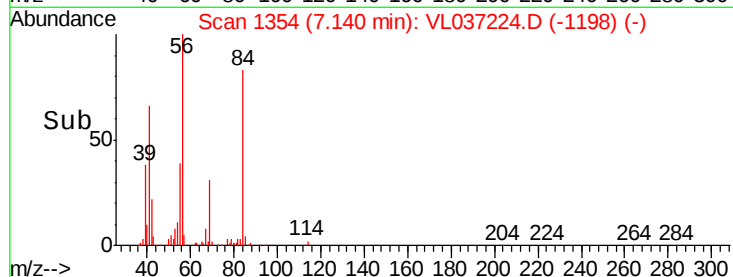
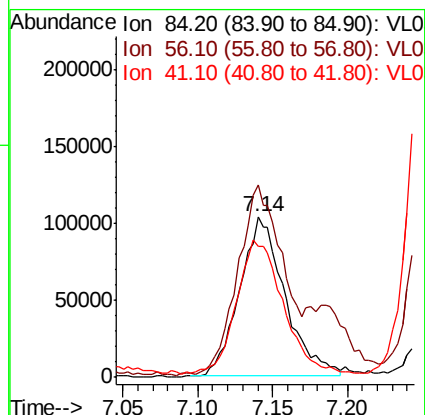
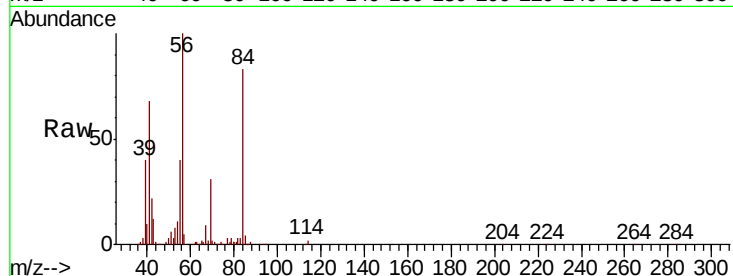




#30
Cyclohexane
Concen: 1.950 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

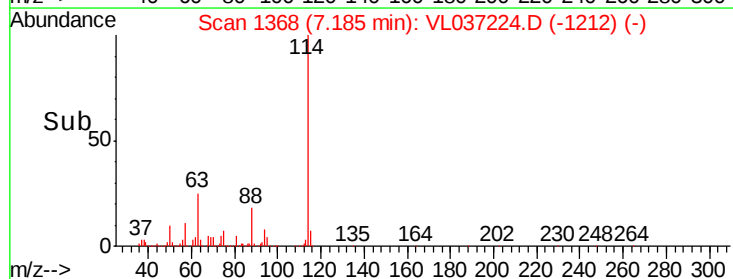
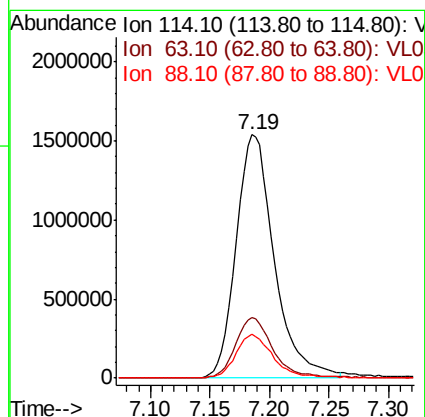
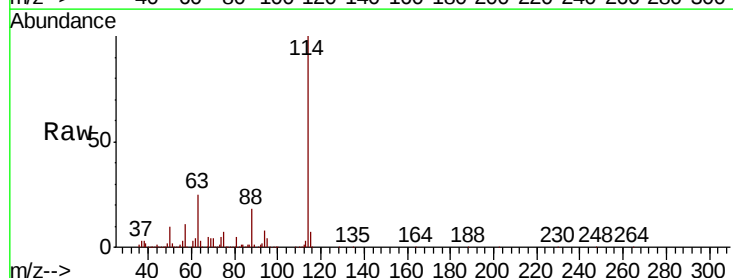
Instrument :
MSVOA_L
ClientSampleId :

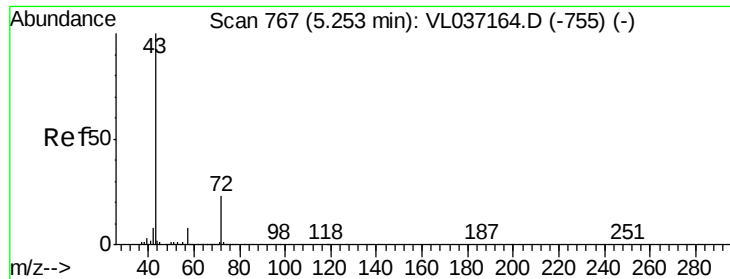
Tot Ion: 84 Resp: 219244
Ion Ratio Lower Upper
84 100
56 161.6 107.7 161.5#
41 89.8 69.0 103.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 114 Resp: 3424750
Ion Ratio Lower Upper
114 100
63 25.1 19.6 29.4
88 18.0 14.2 21.2

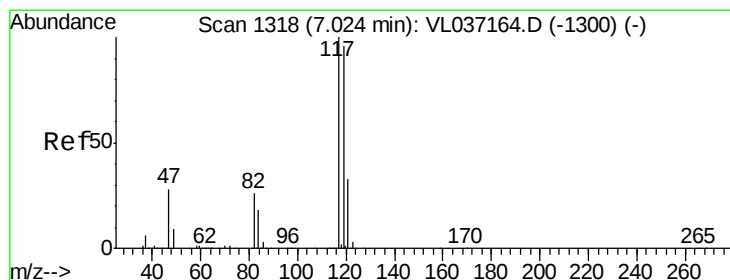
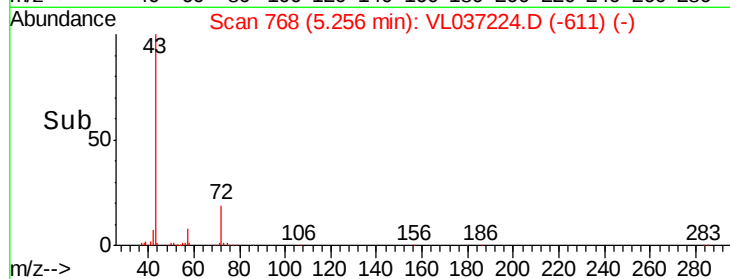
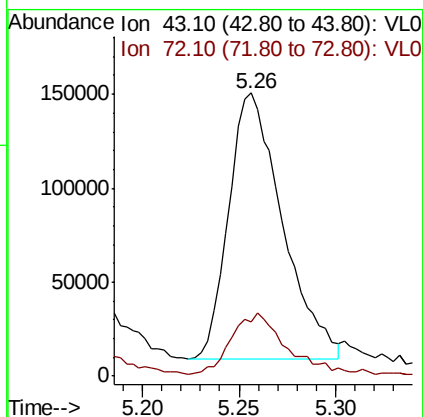
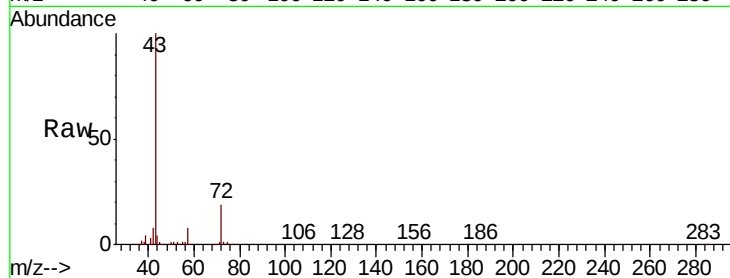




#34
2-Butanone
Concen: 2.044 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

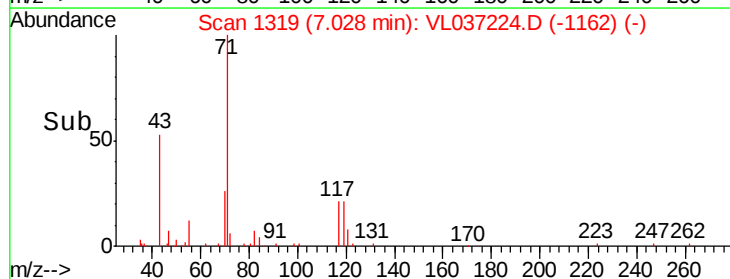
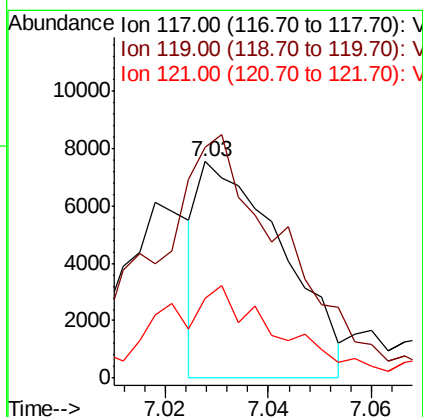
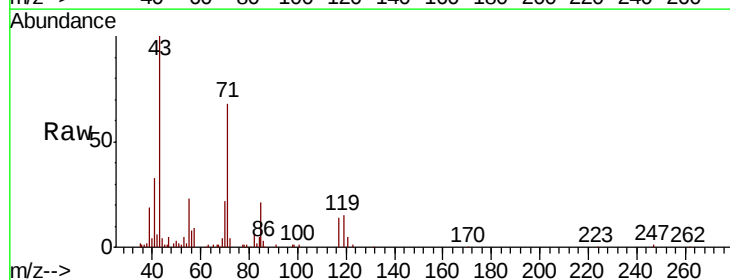
Instrument :
MSVOA_L
ClientSampleId :

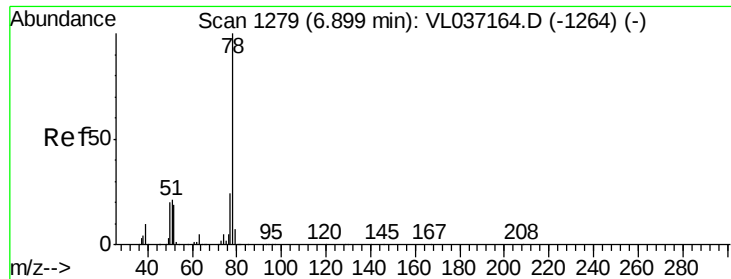
Tot Ion: 43 Resp: 272224
Ion Ratio Lower Upper
43 100
72 25.5 18.9 28.3



#35
Carbon Tetrachloride
Concen: 0.037 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 117 Resp: 8468
Ion Ratio Lower Upper
117 100
119 88.6 76.6 114.8
121 35.6 26.4 39.6

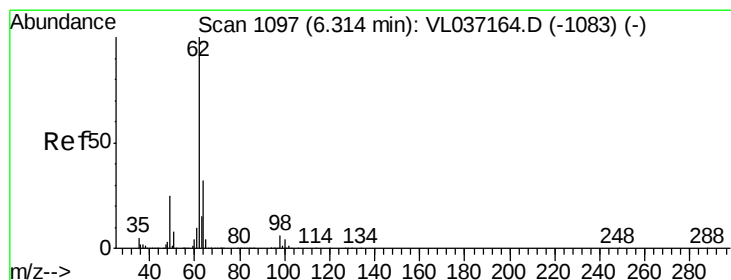
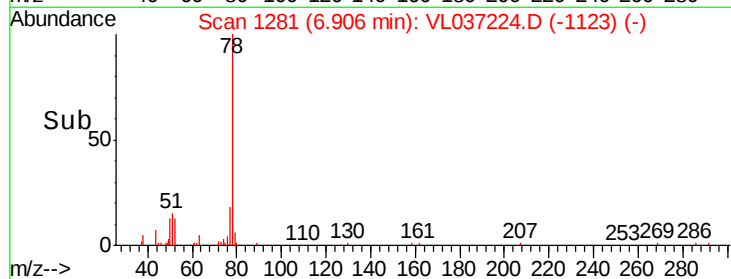
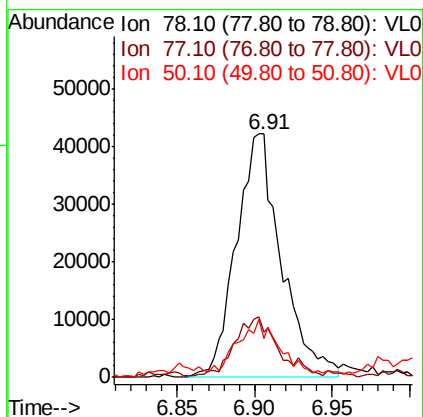
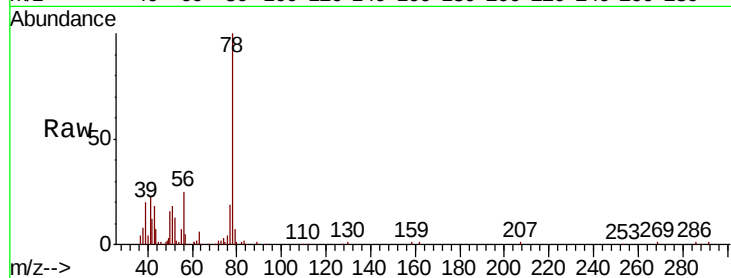




#36
Benzene
Concen: 0.310 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

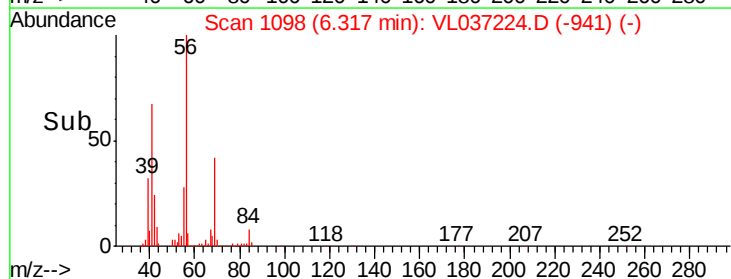
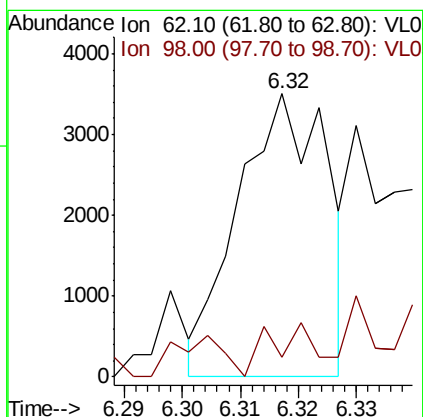
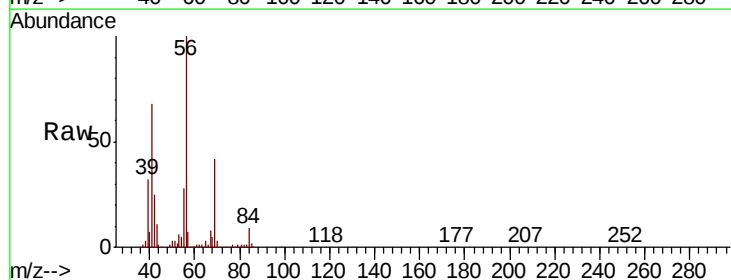
Instrument :
MSVOA_L
ClientSampleId :

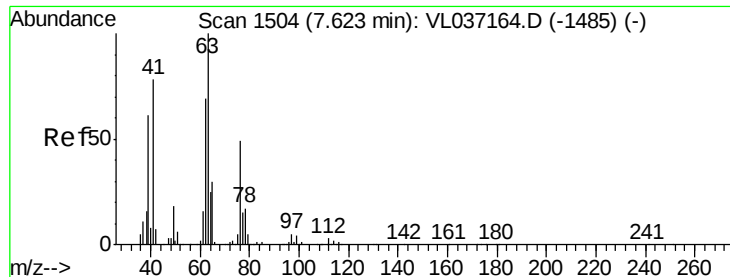
Tot Ion: 78 Resp: 85865
Ion Ratio Lower Upper
78 100
77 17.9 19.0 28.6#
50 13.7 15.7 23.5#



#37
1,2-Dichloroethane
Concen: 0.023 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 62 Resp: 3741
Ion Ratio Lower Upper
62 100
98 17.2 5.0 7.6#





#39

1,2-Dichloropropane

Concen: 8.006 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampled :

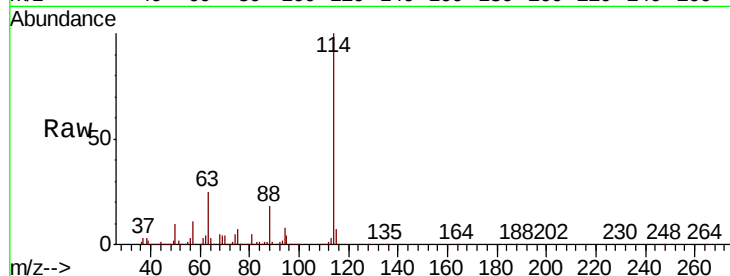
Tot Ion: 63 Resp: 823927

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

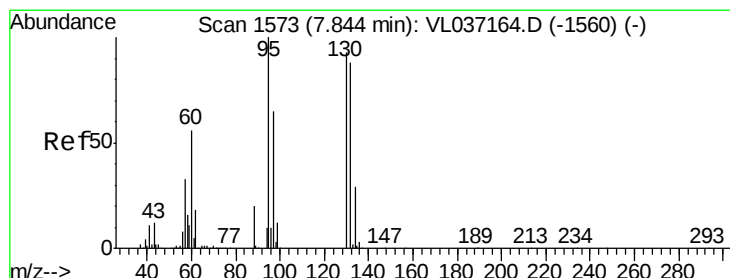
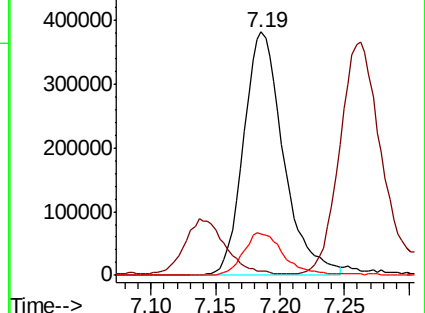
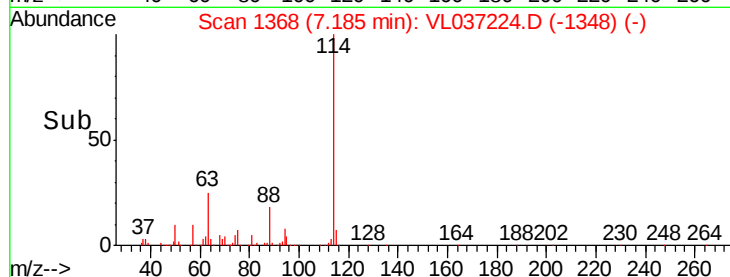
62 16.5 54.9 82.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.133 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Tgt Ion: 88 Resp: 3744

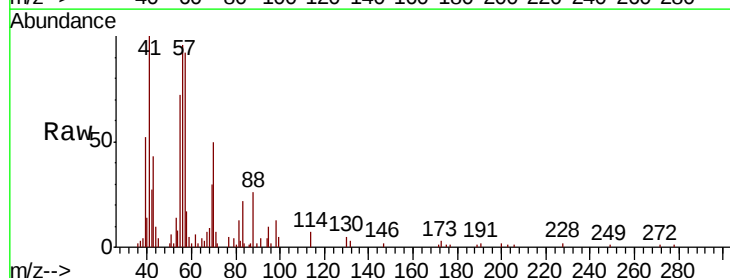
Ion Ratio Lower Upper

88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#

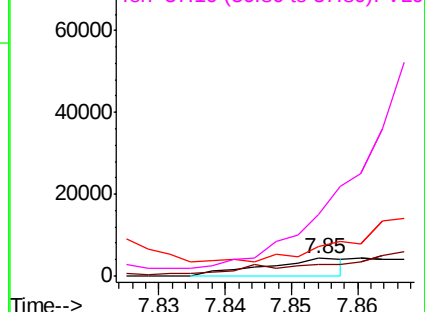
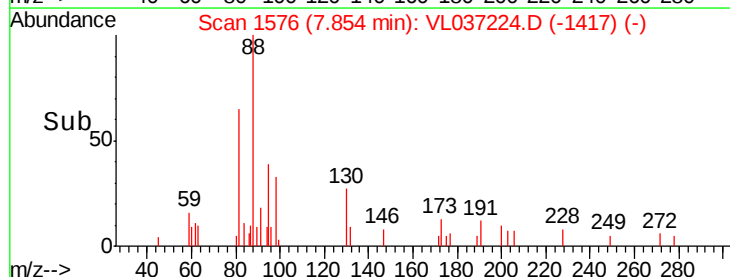


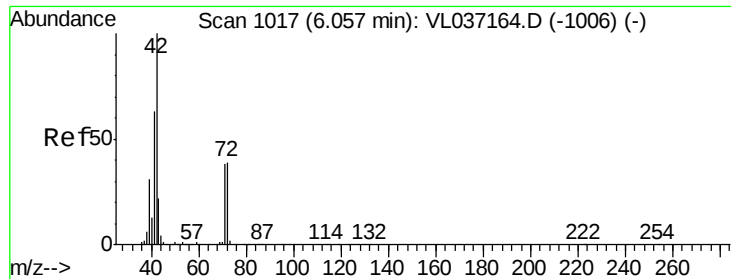
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

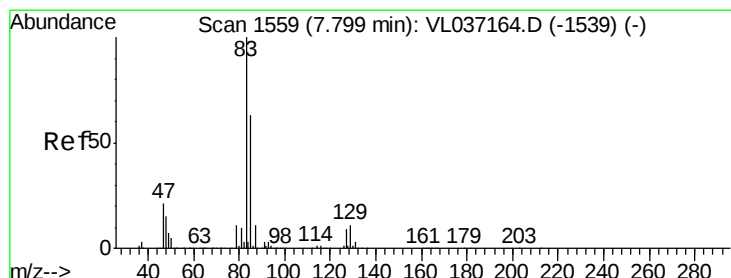
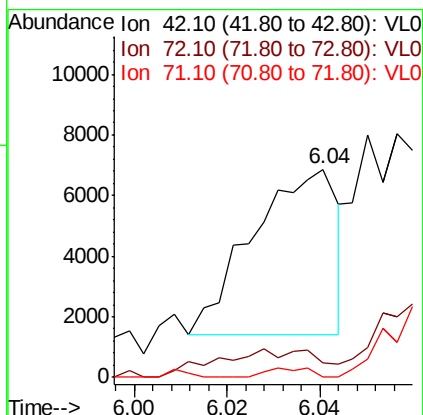
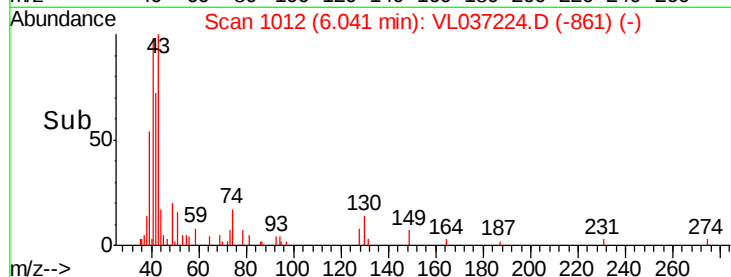
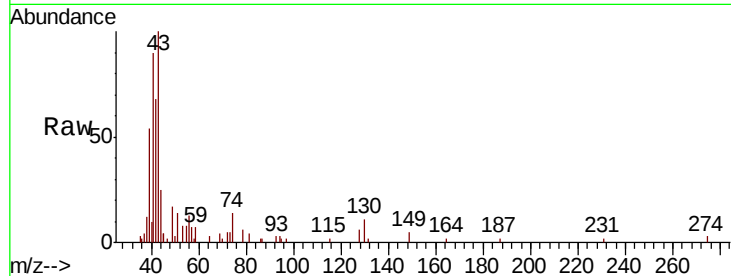




#41
Tetrahydrofuran
Concen: 0.113 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

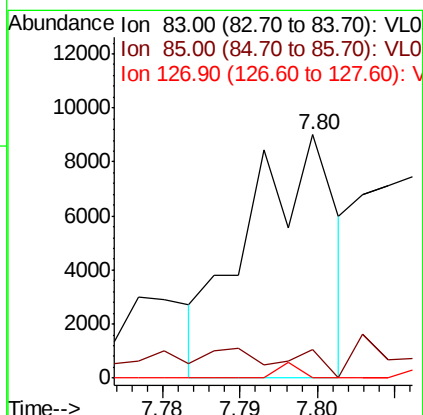
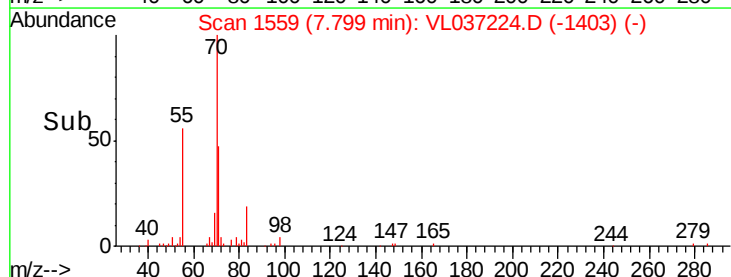
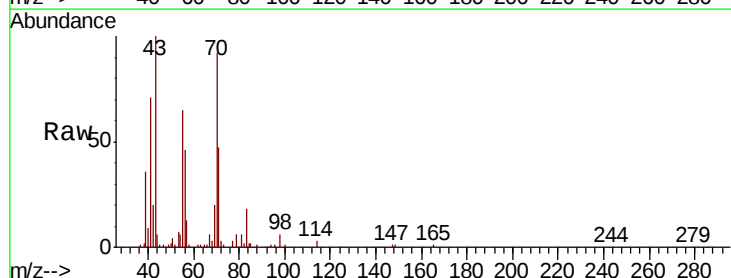
Instrument :
MSVOA_L
ClientSampled :

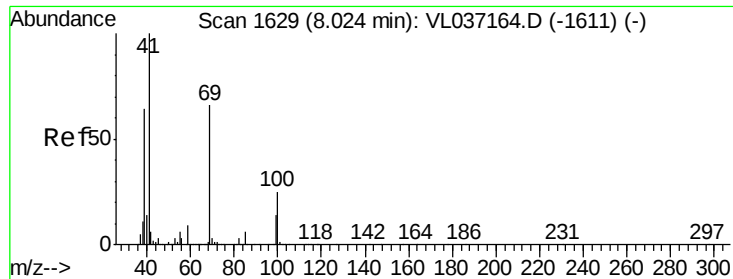
Tot Ion: 42 Resp: 6962
Ion Ratio Lower Upper
42 100
72 124.6 33.0 49.4#
71 87.8 31.0 46.6#



#42
Bromodichloromethane
Concen: 0.032 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 83 Resp: 7069
Ion Ratio Lower Upper
83 100
85 17.0 50.8 76.2#
127 0.0 7.0 10.6#

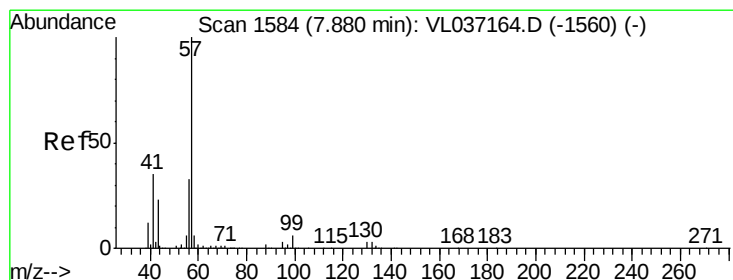
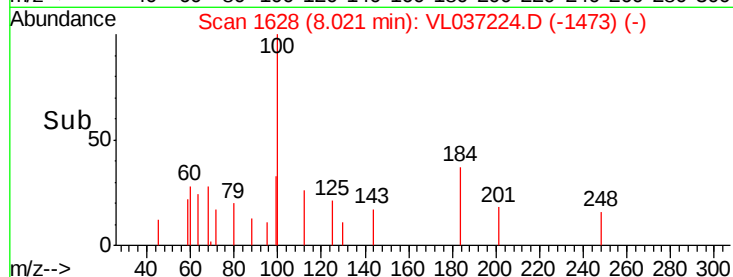
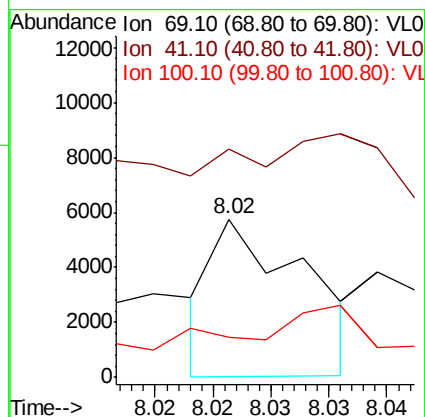
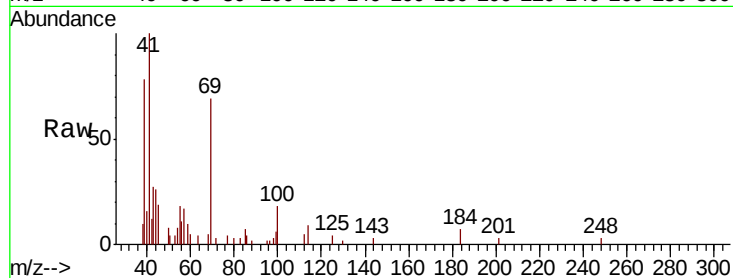




#43
Methvl Methacrilate
Concen: 0.033 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

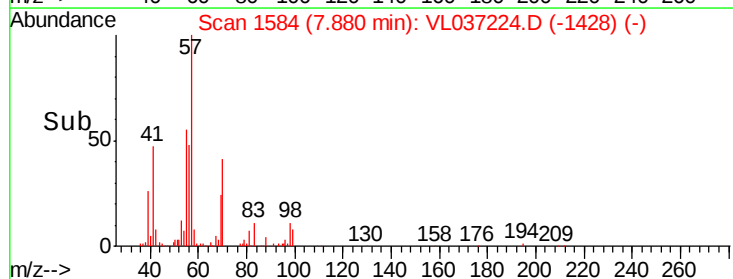
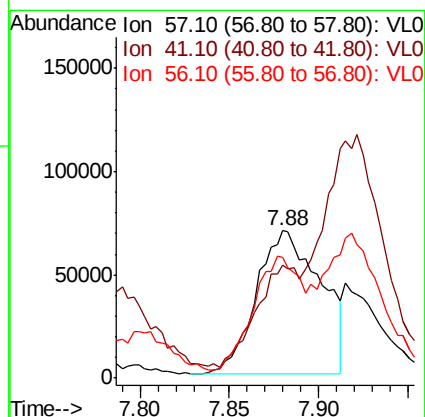
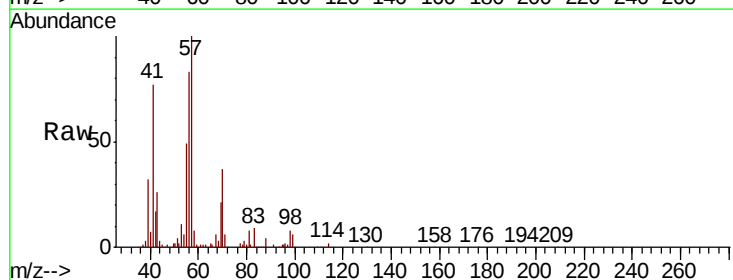
Instrument :
MSVOA_L
ClientSampled :

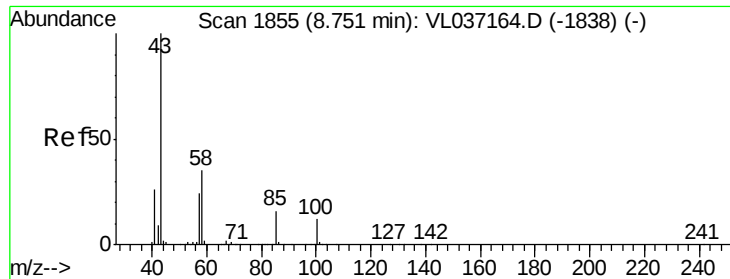
Tot Ion: 69 Resp: 3180
Ion Ratio Lower Upper
69 100
41 0.0 119.4 179.0#
100 0.0 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 0.375 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 57 Resp: 174963
Ion Ratio Lower Upper
57 100
41 0.0 27.6 41.4#
56 72.7 25.3 37.9#

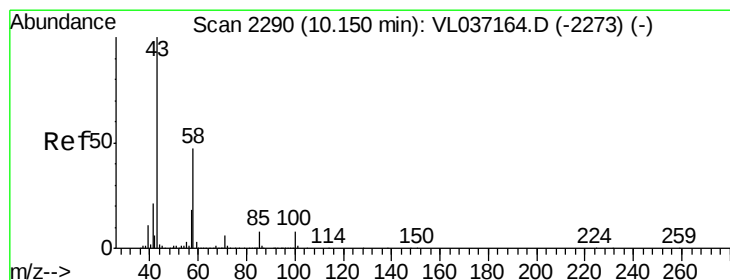
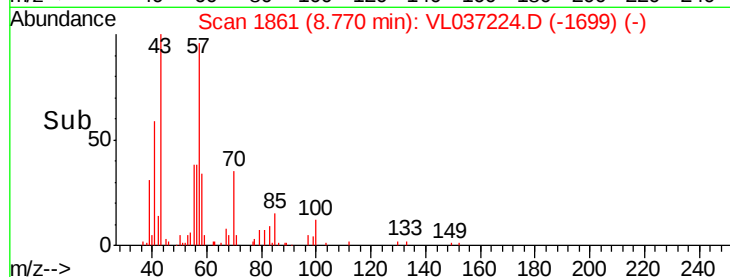
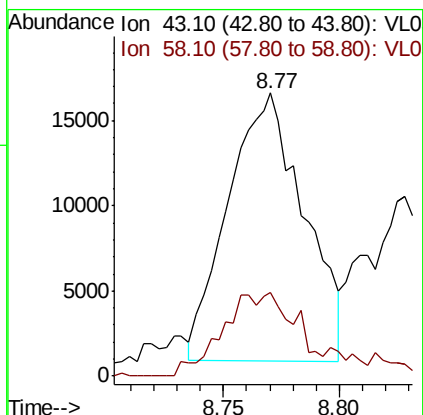
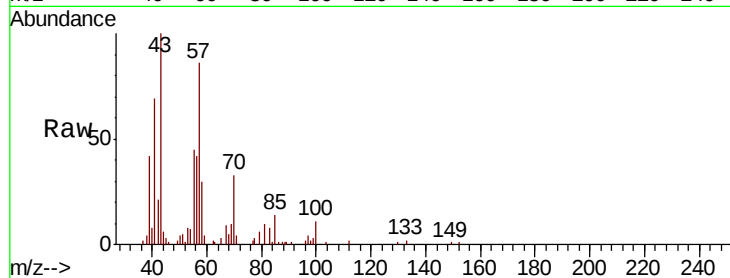




#50
4-Methyl-2-Pentanone
Concen: 0.196 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. 0.02 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

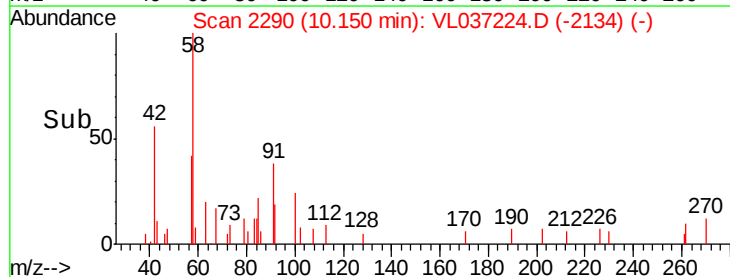
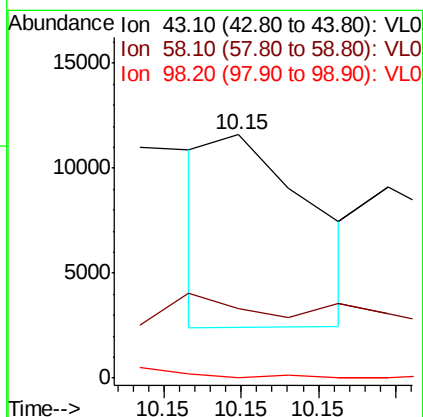
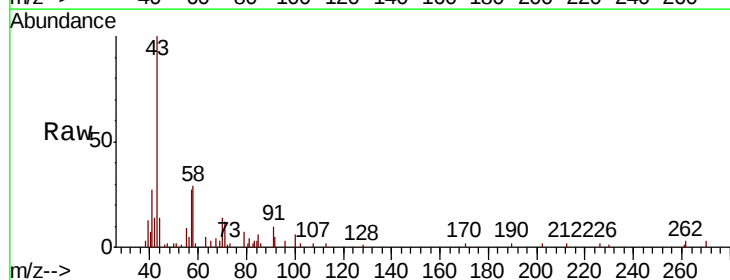
Instrument :
MSVOA_L
ClientSampleId :

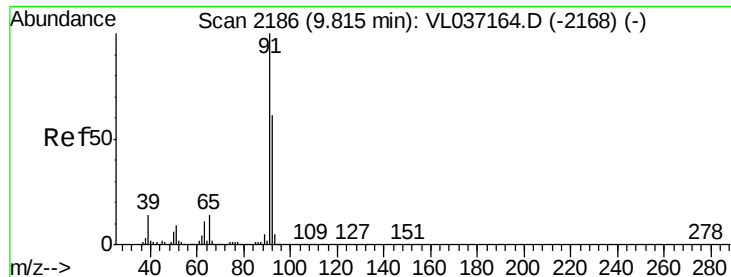
Tot Ion: 43 Resp: 35803
Ion Ratio Lower Upper
43 100
58 39.0 28.4 42.6



#51
2-Hexanone
Concen: 0.045 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 43 Resp: 4023
Ion Ratio Lower Upper
43 100
58 227.3 38.4 57.6#
98 0.0 0.3 0.5#





#53

Toluene

Concen: 2.918 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

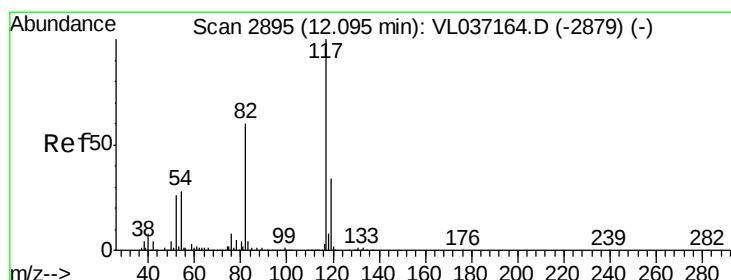
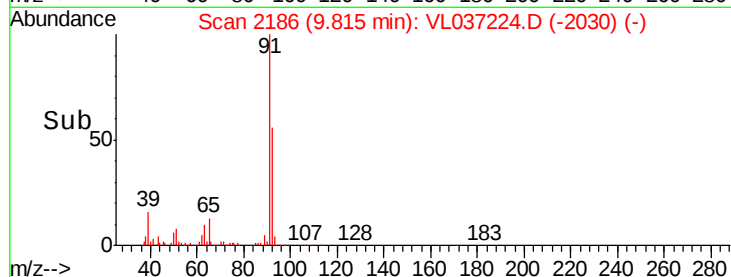
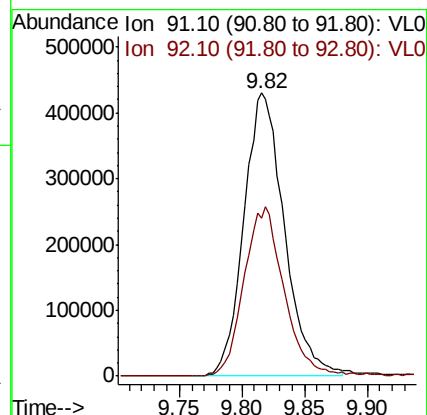
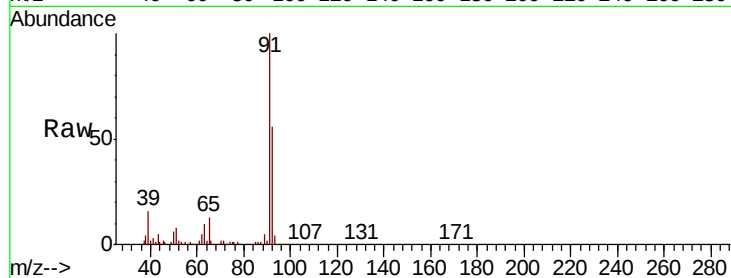
ClientSampleId :

Tot Ion: 91 Resp: 965262

Ion Ratio Lower Upper

91 100

92 60.3 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

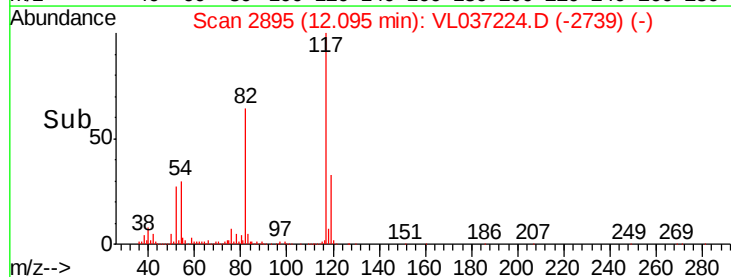
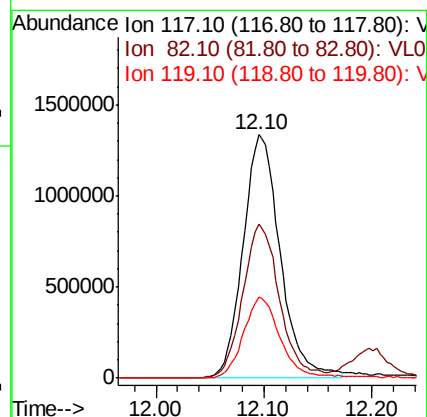
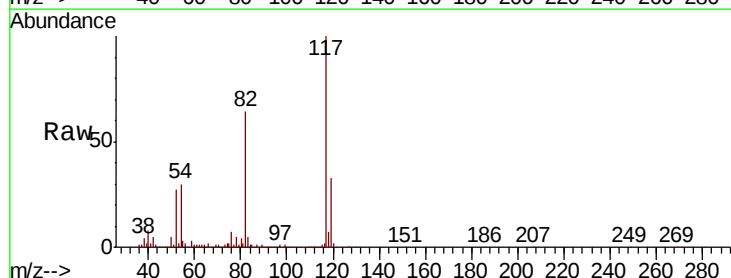
Tgt Ion: 117 Resp: 3203674

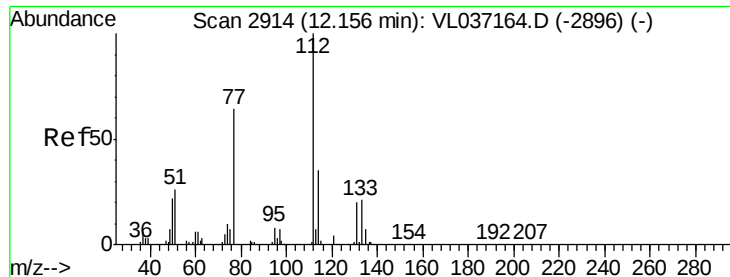
Ion Ratio Lower Upper

117 100

82 62.6 51.7 77.5

119 33.6 47.6 71.4#

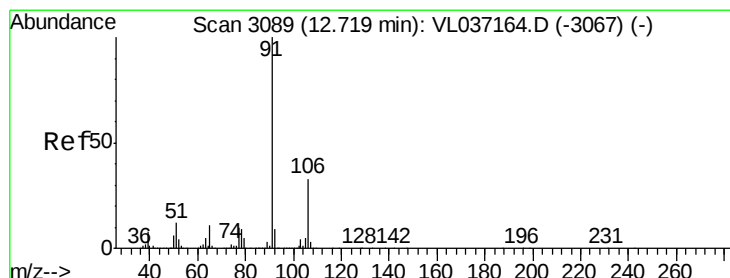
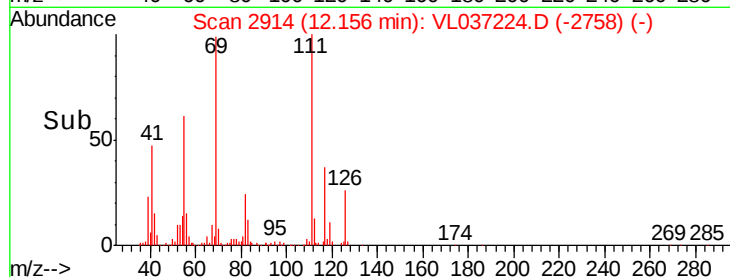
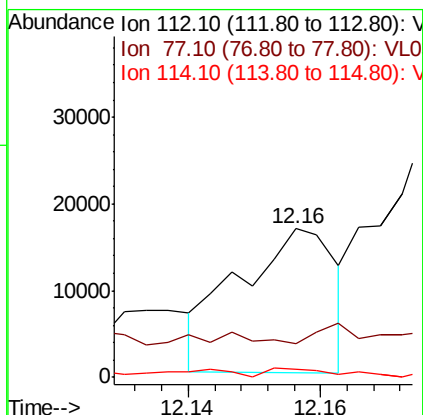
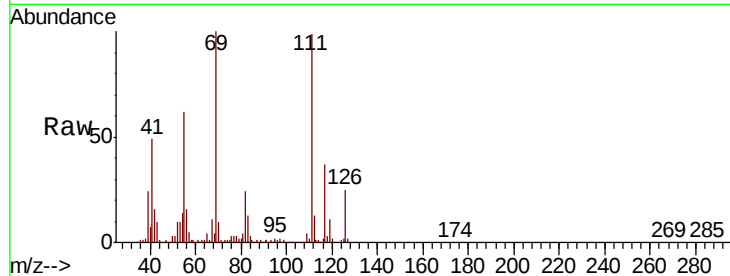




#57
Chlorobenzene
Concen: 0.066 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

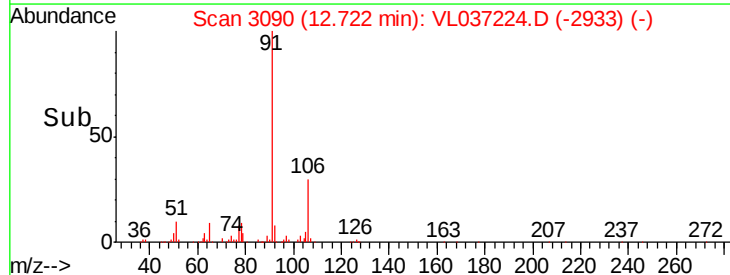
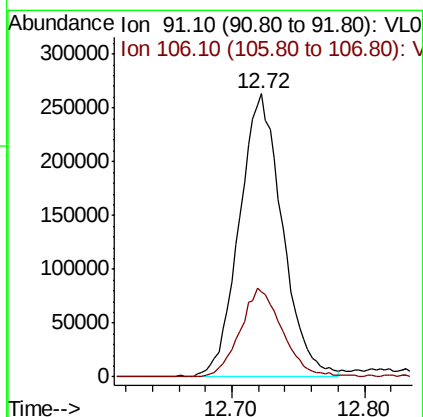
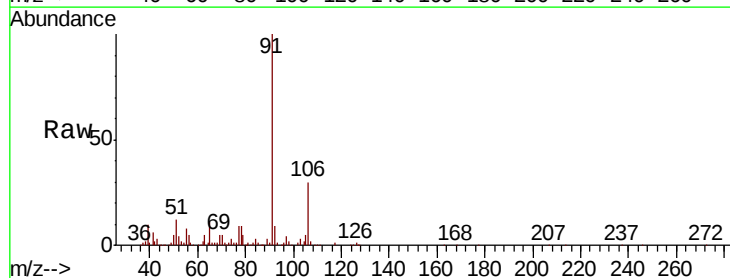
Instrument :
MSVOA_L
ClientSampled :

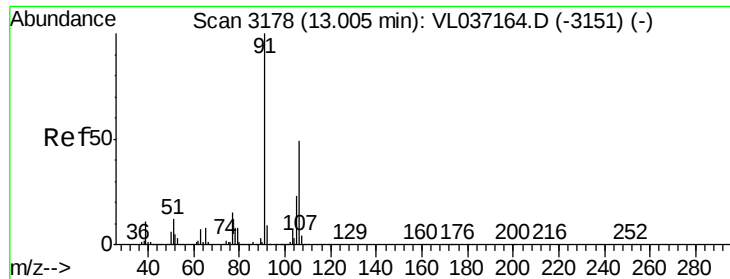
Tot Ion: 112 Resp: 17126
Ion Ratio Lower Upper
112 100
77 0.0 52.2 78.4#
114 6.9 31.1 38.1#



#58
Ethyl Benzene
Concen: 1.342 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion: 91 Resp: 591861
Ion Ratio Lower Upper
91 100
106 30.2 26.3 39.5





#59

m/p-Xylene

Concen: 5.292 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.03 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

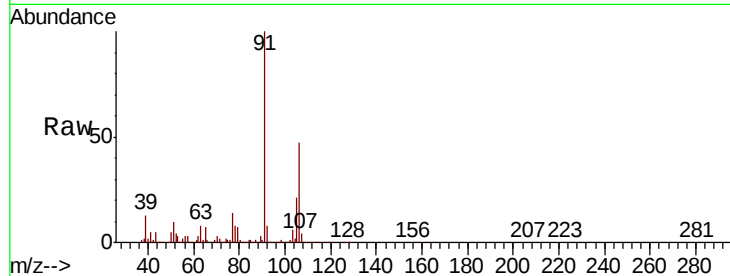
ClientSampleId :

Tot Ion: 91 Resp: 1977727

Ion Ratio Lower Upper

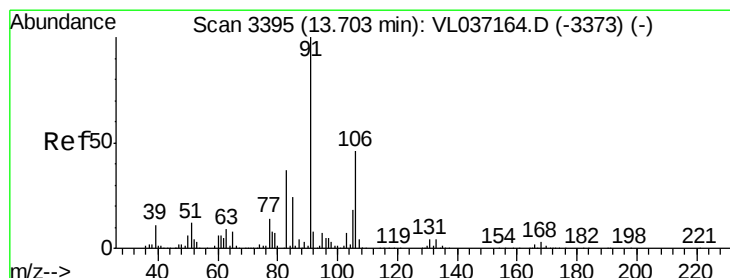
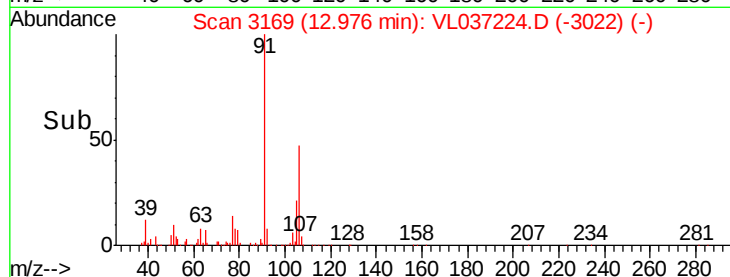
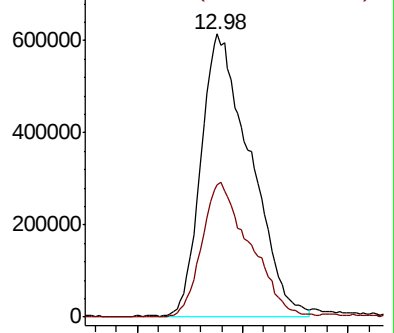
91 100

106 47.5 37.0 55.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.866 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL037224.D

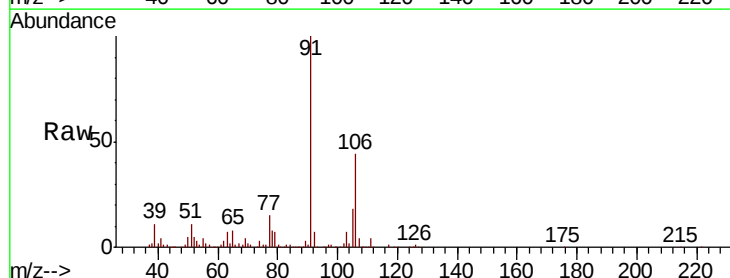
Acq: 22 Jun 2021 19:51

Tgt Ion: 91 Resp: 663926

Ion Ratio Lower Upper

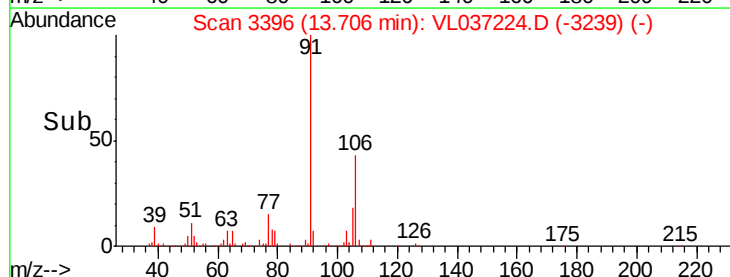
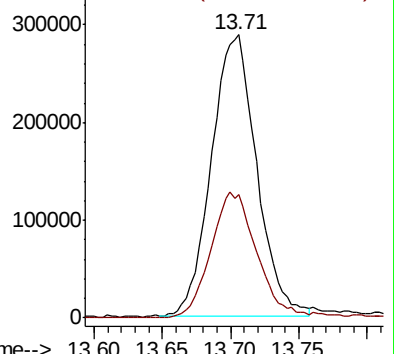
91 100

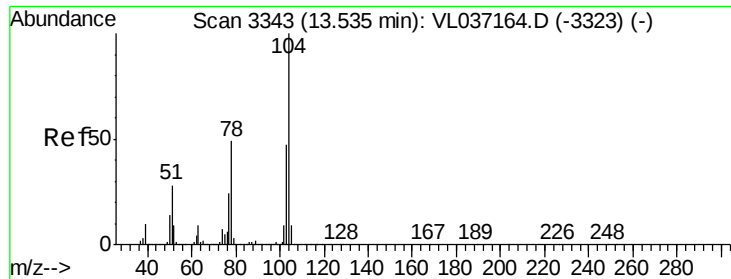
106 47.0 23.0 69.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

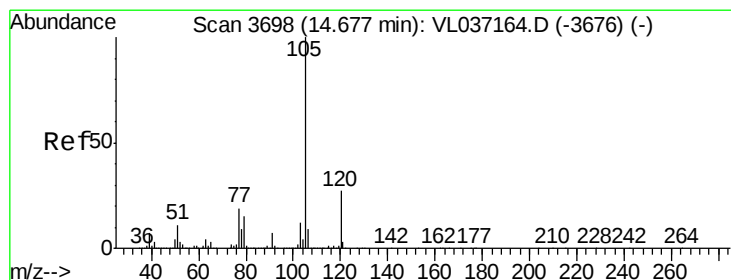
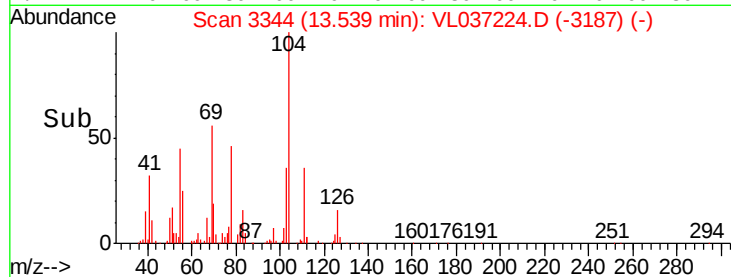
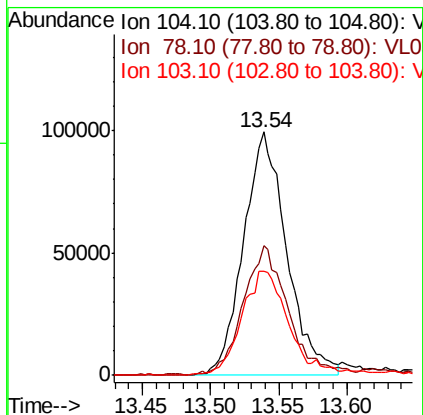
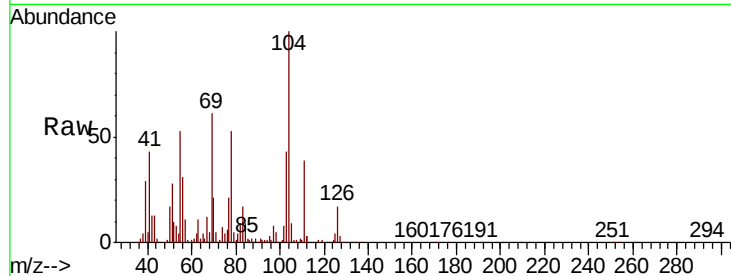




#61
Stvrene
Concen: 1.192 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

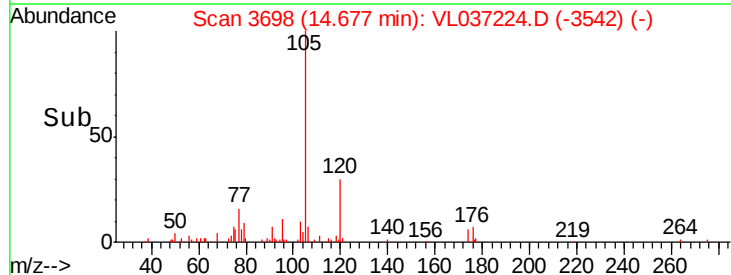
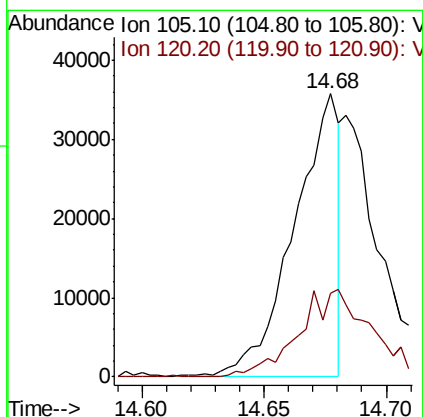
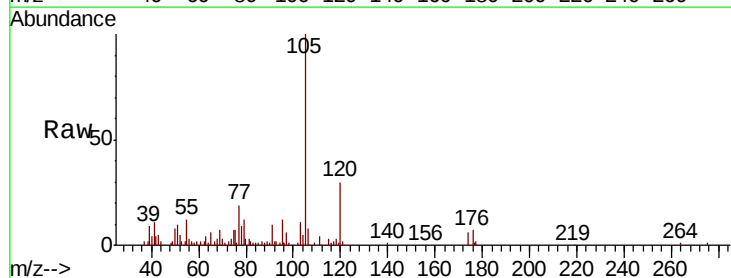
Instrument :
MSVOA_L
ClientSampleId :

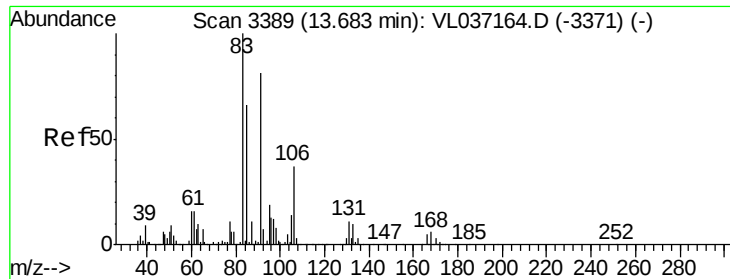
Tot Ion:104 Resp: 218997
Ion Ratio Lower Upper
104 100
78 57.3 39.7 59.5
103 47.8 37.6 56.4



#62
Isopropylbenzene
Concen: 0.090 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL037224.D
Acq: 22 Jun 2021 19:51

Tgt Ion:105 Resp: 45514
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.025 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampled :

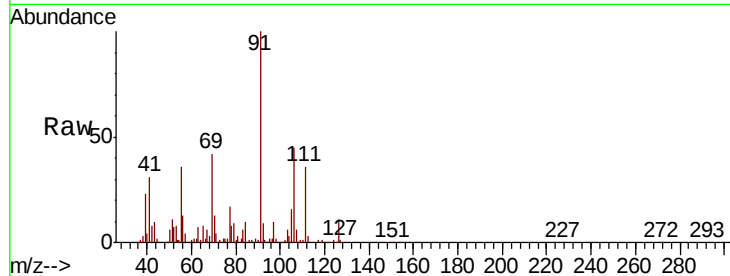
Tot Ion: 83 Resp: 5890

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

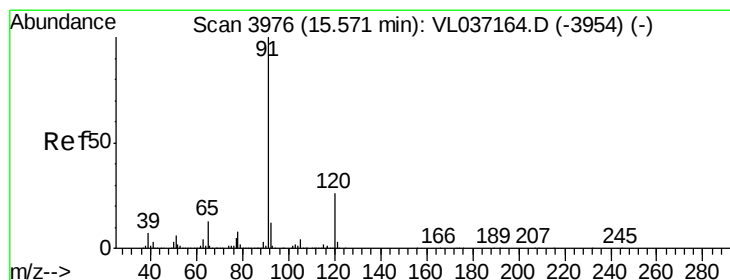
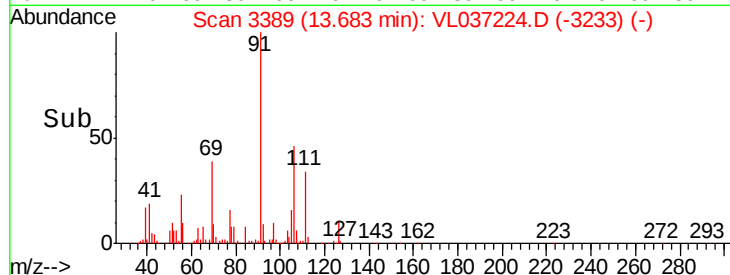
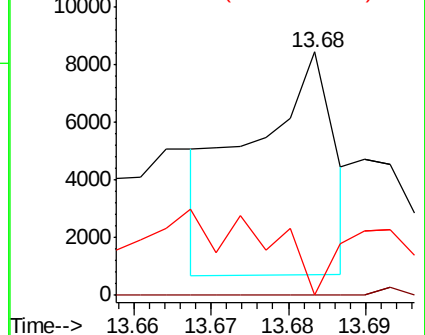
85 0.0 33.1 99.2#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.073 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.00 min

Lab File: VL037224.D

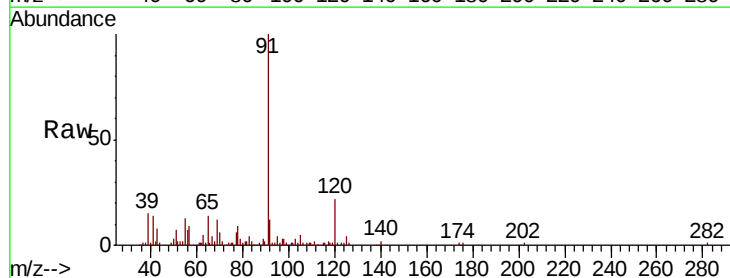
Acq: 22 Jun 2021 19:51

Tgt Ion:120 Resp: 9205

Ion Ratio Lower Upper

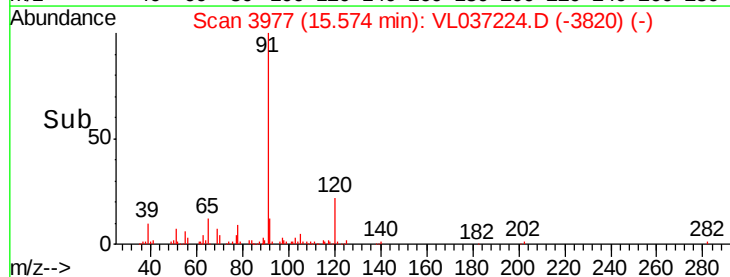
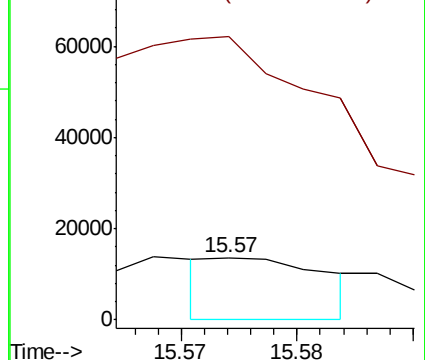
120 100

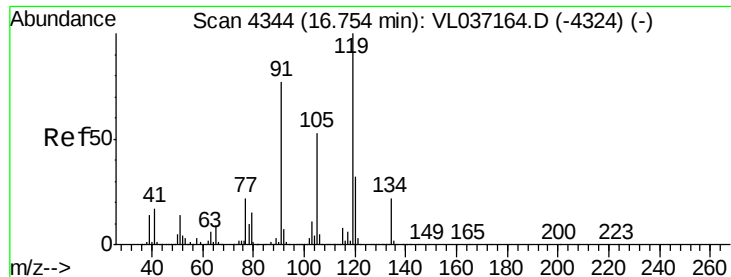
91 1694.4 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.148 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.02 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampleId :

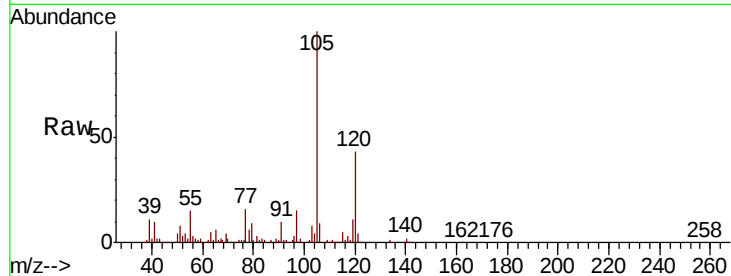
Tot Ion:119 Resp: 66453

Ion Ratio Lower Upper

119 100

91 106.6 62.6 93.8#

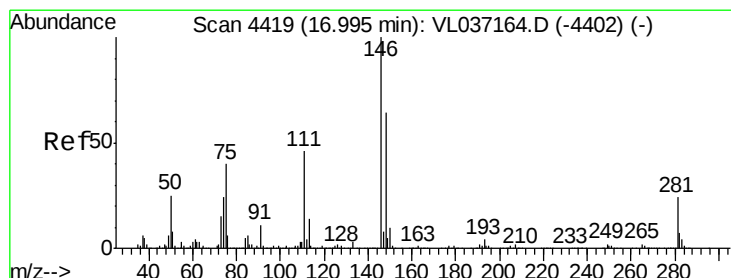
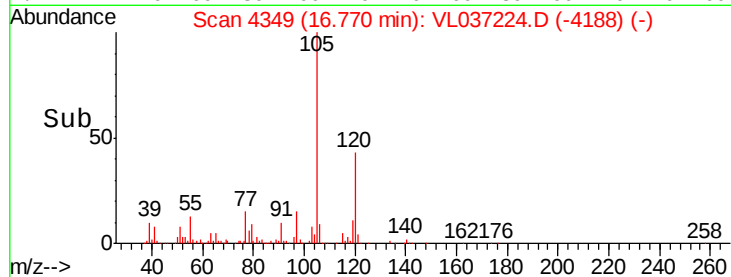
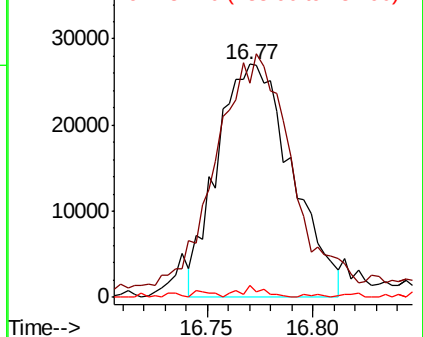
134 2.7 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.057 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

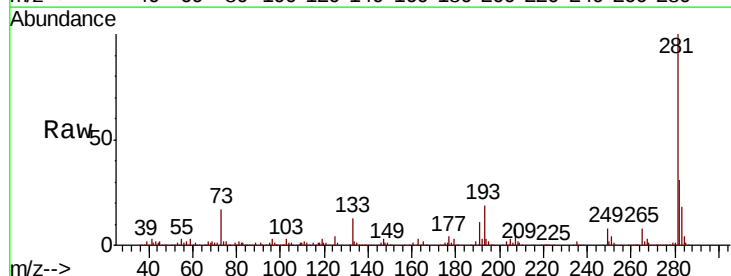
Tgt Ion: 91 Resp: 1087

Ion Ratio Lower Upper

91 100

126 582.6 15.5 23.3#

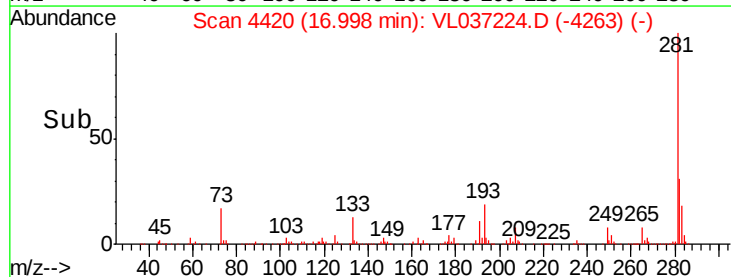
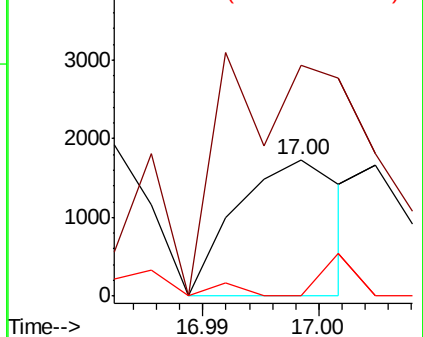
128 32.4 5.7 8.5#

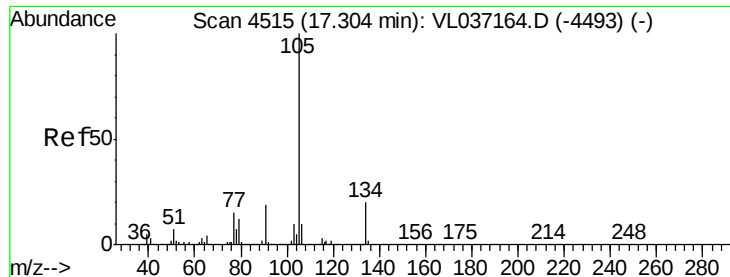


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.022 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. 0.01 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

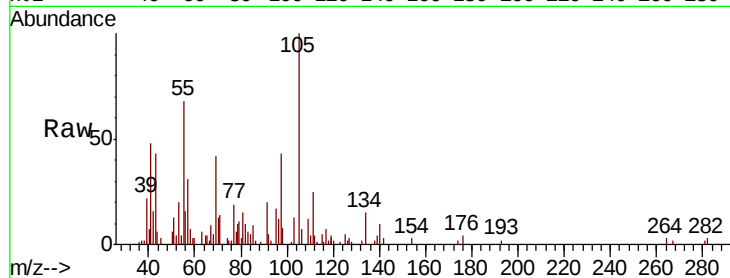
ClientSampleId :

Tot Ion:105 Resp: 13225

Ion Ratio Lower Upper

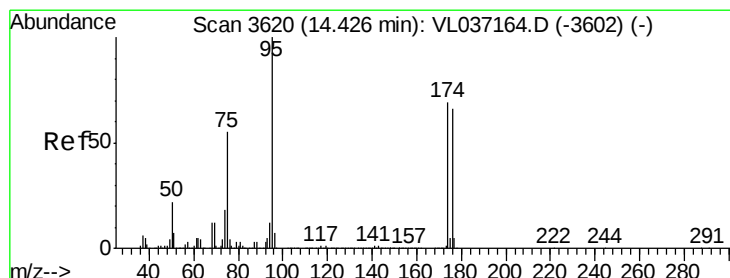
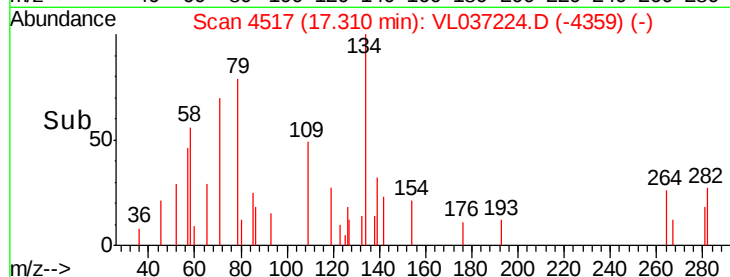
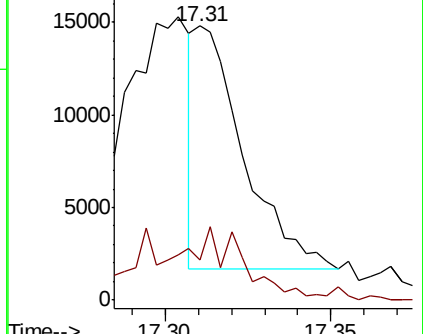
105 100

134 62.2 15.8 23.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.604 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

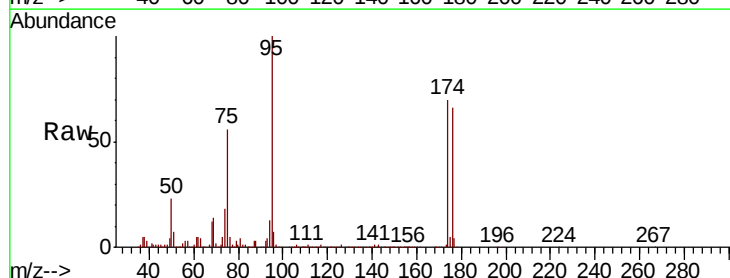
Tgt Ion: 95 Resp: 2574164

Ion Ratio Lower Upper

95 100

174 72.8 57.0 85.4

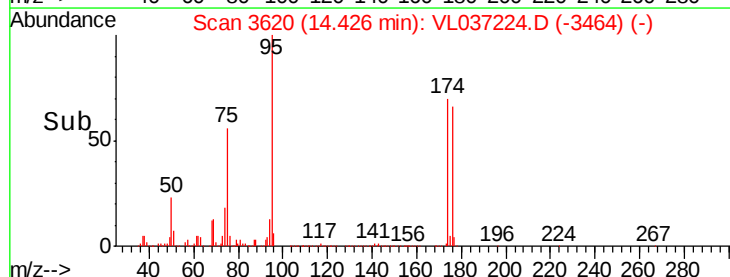
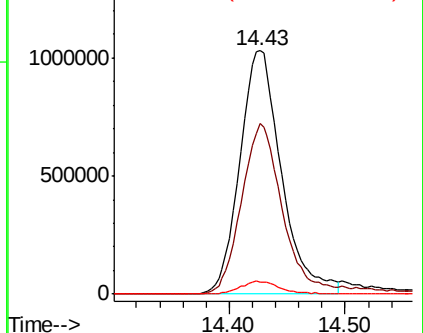
175 5.2 4.4 6.6

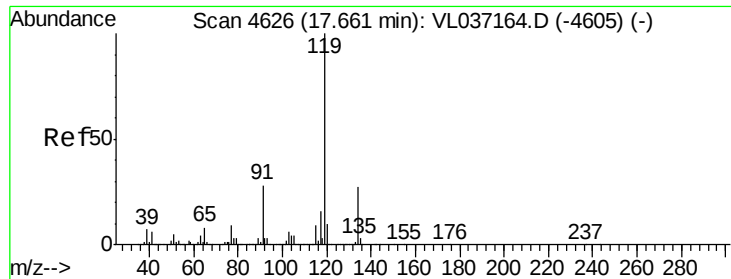


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

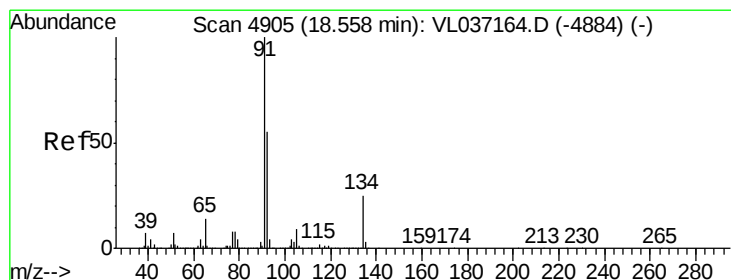
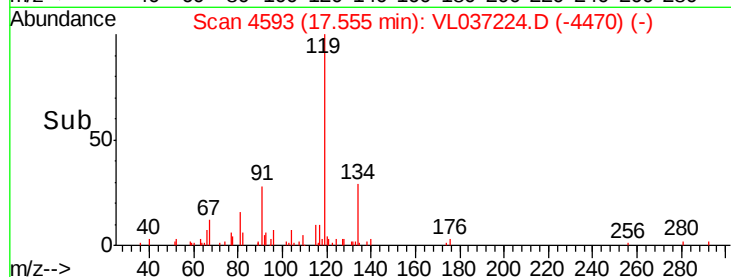
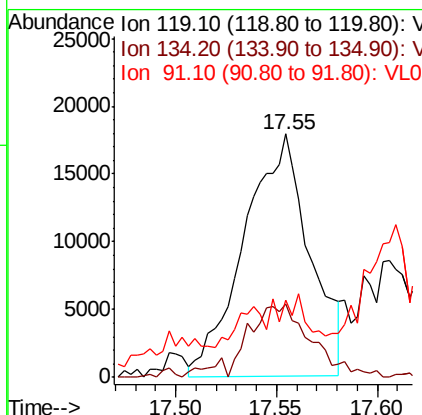
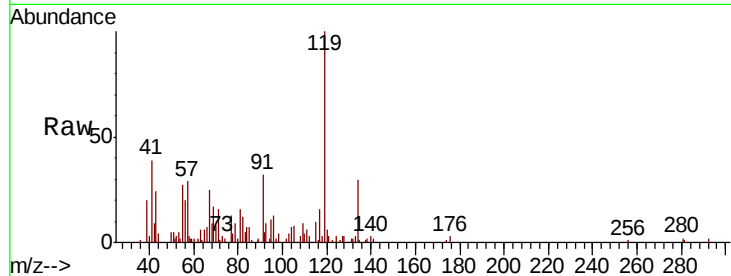




#69
 p-Isopropyltoluene
 Concen: 0.080 ppbv
 RT: 17.55 min Scan# 4593
 Delta R.T. -0.11 min
 Lab File: VL037224.D
 Acq: 22 Jun 2021 19:51

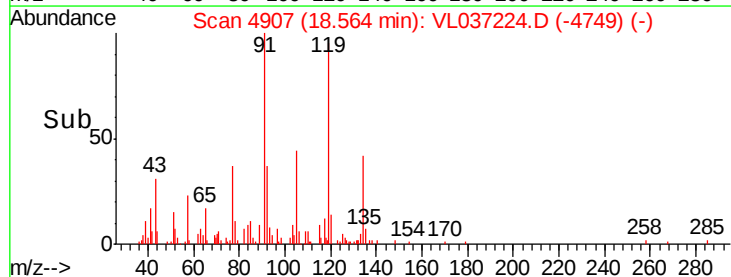
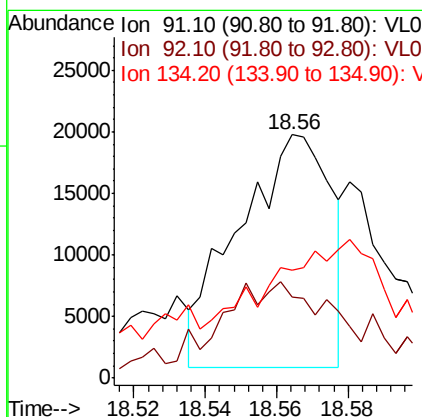
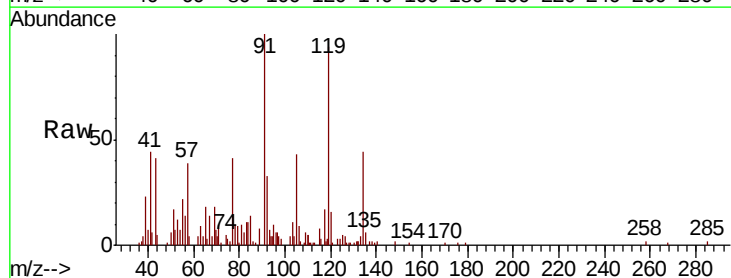
Instrument :
 MSVOA_L
 ClientSampleId :

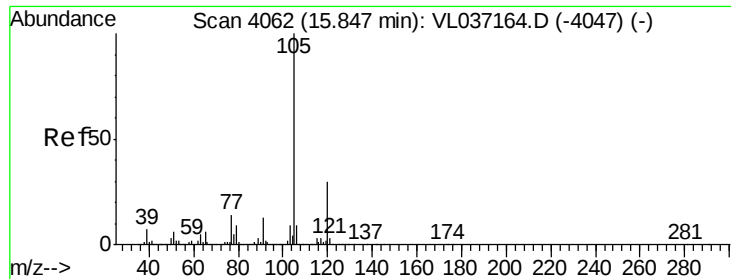
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.1	20.9	31.3
91	28.4	22.6	34.0



#70
 n-Butylbenzene
 Concen: 0.072 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.01 min
 Lab File: VL037224.D
 Acq: 22 Jun 2021 19:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	72.1	44.0	66.0#
134	0.0	20.2	30.4#





#72

4-Ethyltoluene

Concen: 0.430 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 173918

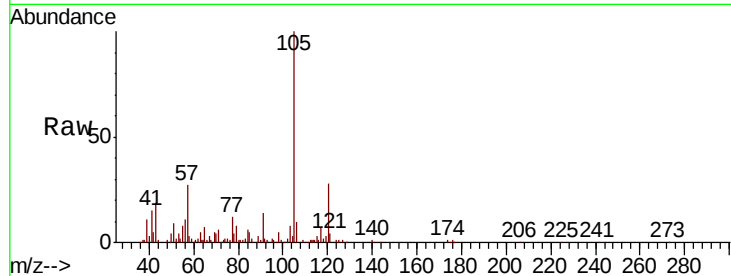
Ion Ratio Lower Upper

105 100

120 29.0 24.7 37.1

91 14.2 10.2 15.4

77 15.3 11.0 16.6

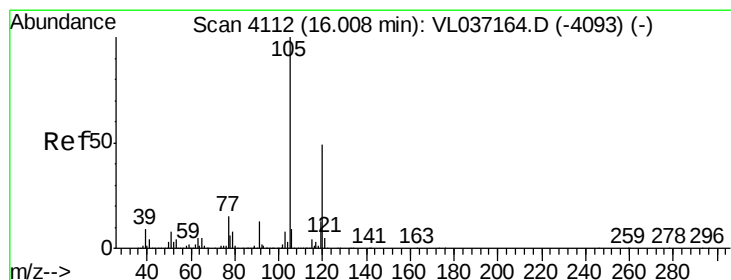
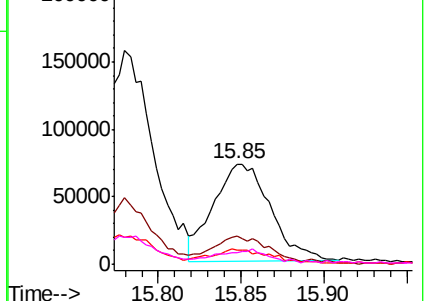
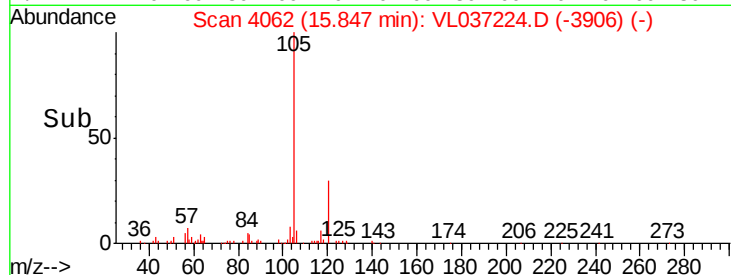


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.498 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL037224.D

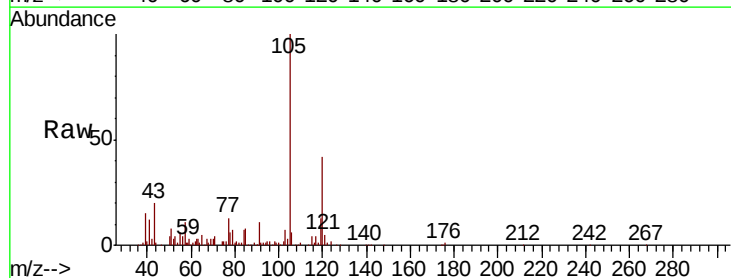
Acq: 22 Jun 2021 19:51

Tgt Ion:105 Resp: 194685

Ion Ratio Lower Upper

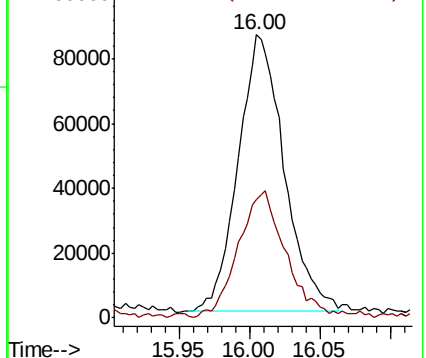
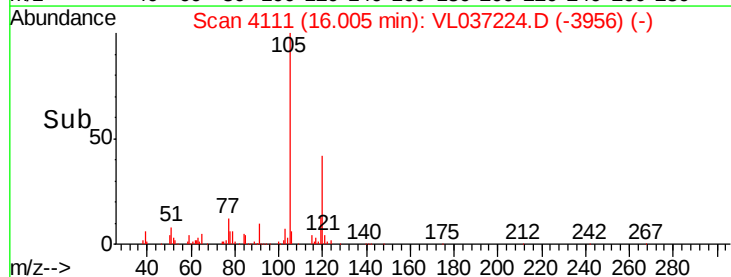
105 100

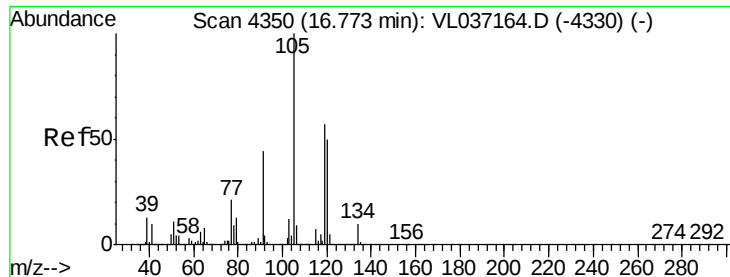
120 41.8 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.385 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.00 min

Lab File: VL037224.D

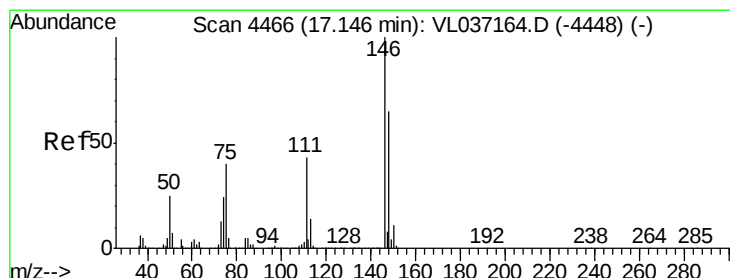
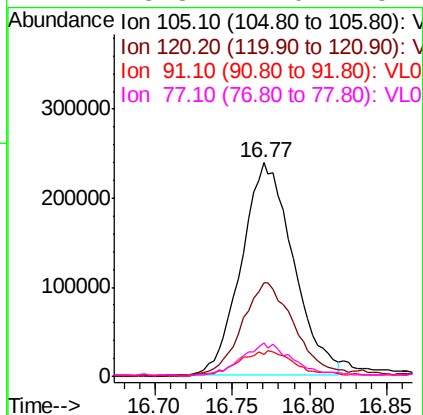
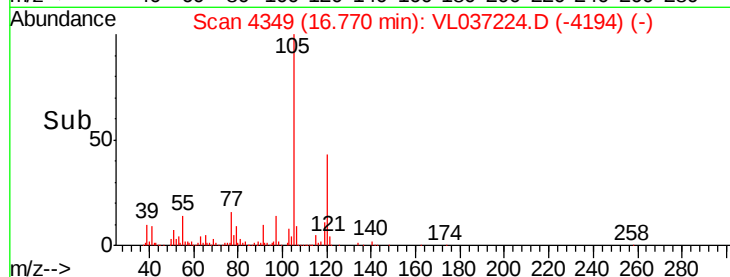
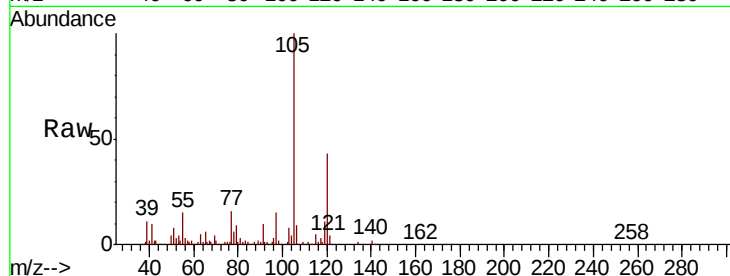
Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	557738
Ion	Ratio	Lower	Upper
105	100		
120	43.4	39.8	59.8
91	9.8	37.0	55.4#
77	15.3	17.0	25.4#



#76

1,4-Dichlorobenzene

Concen: 0.045 ppbv

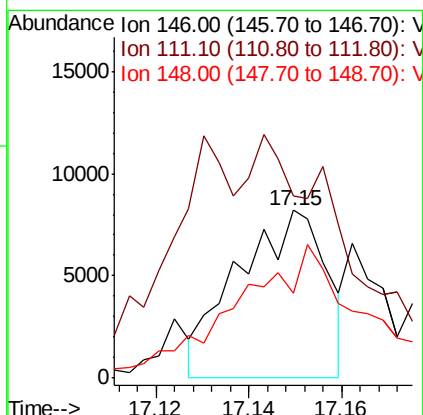
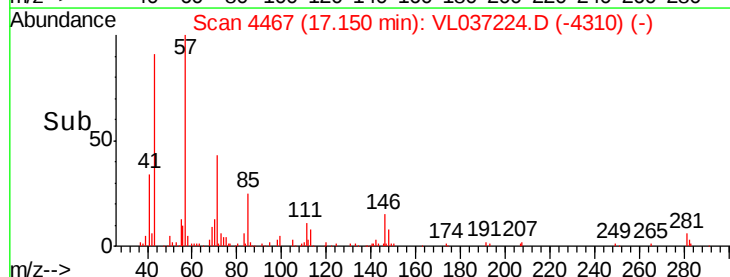
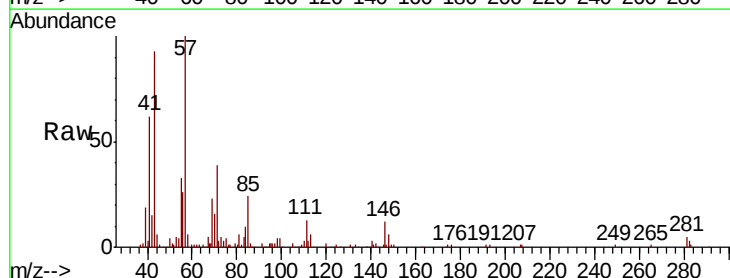
RT: 17.15 min Scan# 4467

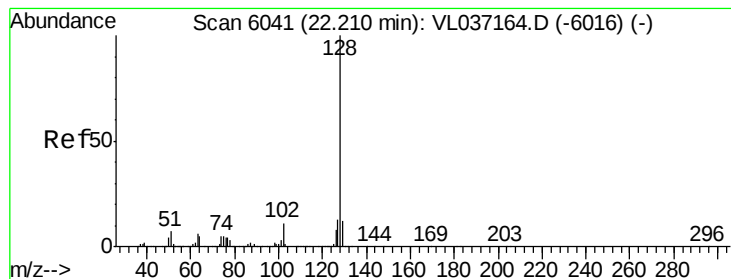
Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Tgt Ion:	146	Resp:	10886
Ion	Ratio	Lower	Upper
146	100		
111	260.9	22.7	68.0#
148	125.8	33.7	101.1#





#79

Naphthalene

Concen: 0.065 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.00 min

Lab File: VL037224.D

Acq: 22 Jun 2021 19:51

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 21759

Ion Ratio Lower Upper

128 100

127 17.7 10.7 16.1#

129 5.0 9.3 13.9#

