

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037627.D
 Acq On : 16 Sep 2021 22:45
 Operator : SY/AP
 Sample : M3780-03DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:29:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1597764	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4507759	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3862548	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2785905	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds

					Ovalue
3) Chlorodifluoromethane	2.95	51	374889	1.244 ppbv	# 73
4) Chloromethane	3.13	50	138742	1.246 ppbv	95
7) Chloroethane	3.54	64	4229	0.108 ppbv	# 59
9) Propene	3.01	41	1136900	10.694 ppbv	# 63
10) Heptane	8.10	43	219166	0.884 ppbv	90
11) Trichlorofluoromethane	3.93	101	43142	0.186 ppbv	92
13) Ethanol	3.66	45	39296545	3779.110 ppbv	# 33
15) Acetone	3.83	43	12561314	75.668 ppbv	98
16) 1,3-Butadiene	3.30	39	92197	0.889 ppbv	# 10
17) tert-Butyl alcohol	4.32	59	21465	0.152 ppbv	# 72
19) Isopropyl Alcohol	4.04	45	23492438	260.090 ppbv	# 93
20) Methylene Chloride	4.33	84	369951	4.668 ppbv	98
21) Allyl Chloride	4.38	41	7704	0.062 ppbv	# 23
23) Vinyl Acetate	5.05	43	222843	0.970 ppbv	# 1
25) Ethyl Acetate	5.66	43	2746193	6.830 ppbv	# 92
26) Hexane	5.67	57	327115	1.713 ppbv	# 1
27) Carbon Disulfide	4.54	76	5747	0.033 ppbv	# 1
29) Chloroform	5.74	83	2185087	7.835 ppbv	94
30) Cyclohexane	7.11	84	86888	0.532 ppbv	# 81
31) cis-1,2-Dichloroethene	5.65	61	303218	1.749 ppbv	# 22
34) 2-Butanone	5.23	43	866126	4.728 ppbv	100
36) Benzene	6.87	78	469317	1.249 ppbv	96
39) 1,2-Dichloropropane	7.16	63	1048961	7.286 ppbv	# 27
41) Tetrahydrofuran	6.04	42	130160	1.511 ppbv	# 57
42) Bromodichloromethane	7.78	83	13423	0.051 ppbv	# 63
44) 2,2,4-Trimethylpentane	7.85	57	571851	0.905 ppbv	# 87
50) 4-Methyl-2-Pentanone	8.72	43	145110	0.624 ppbv	# 38
51) 2-Hexanone	10.11	43	8736	0.085 ppbv	# 29
52) Tetrachloroethene	11.20	164	9582	0.066 ppbv	# 73
53) Toluene	9.78	91	2411889	5.773 ppbv	99
58) Ethyl Benzene	12.69	91	634368	1.237 ppbv	99
59) m/p-Xylene	12.94	91	2209871	4.946 ppbv	95
60) o-Xylene	13.67	91	768082	1.806 ppbv	100
61) Styrene	13.51	104	211258	1.007 ppbv	# 41
62) Isopropylbenzene	14.65	105	21796	0.037 ppbv	# 66
64) n-propylbenzene	15.54	120	15456	0.101 ppbv	# 1
65) tert-Butylbenzene	16.73	119	33589	0.063 ppbv	# 5
66) Benzyl Chloride	17.19	91	2046	0.070 ppbv	# 95
69) p-Isopropyltoluene	17.63	119	350109	0.590 ppbv	98
71) 2-Chlorotoluene	15.53	91	39032	0.092 ppbv	# 42
72) 4-Ethyltoluene	15.82	105	74504	0.153 ppbv	# 49

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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

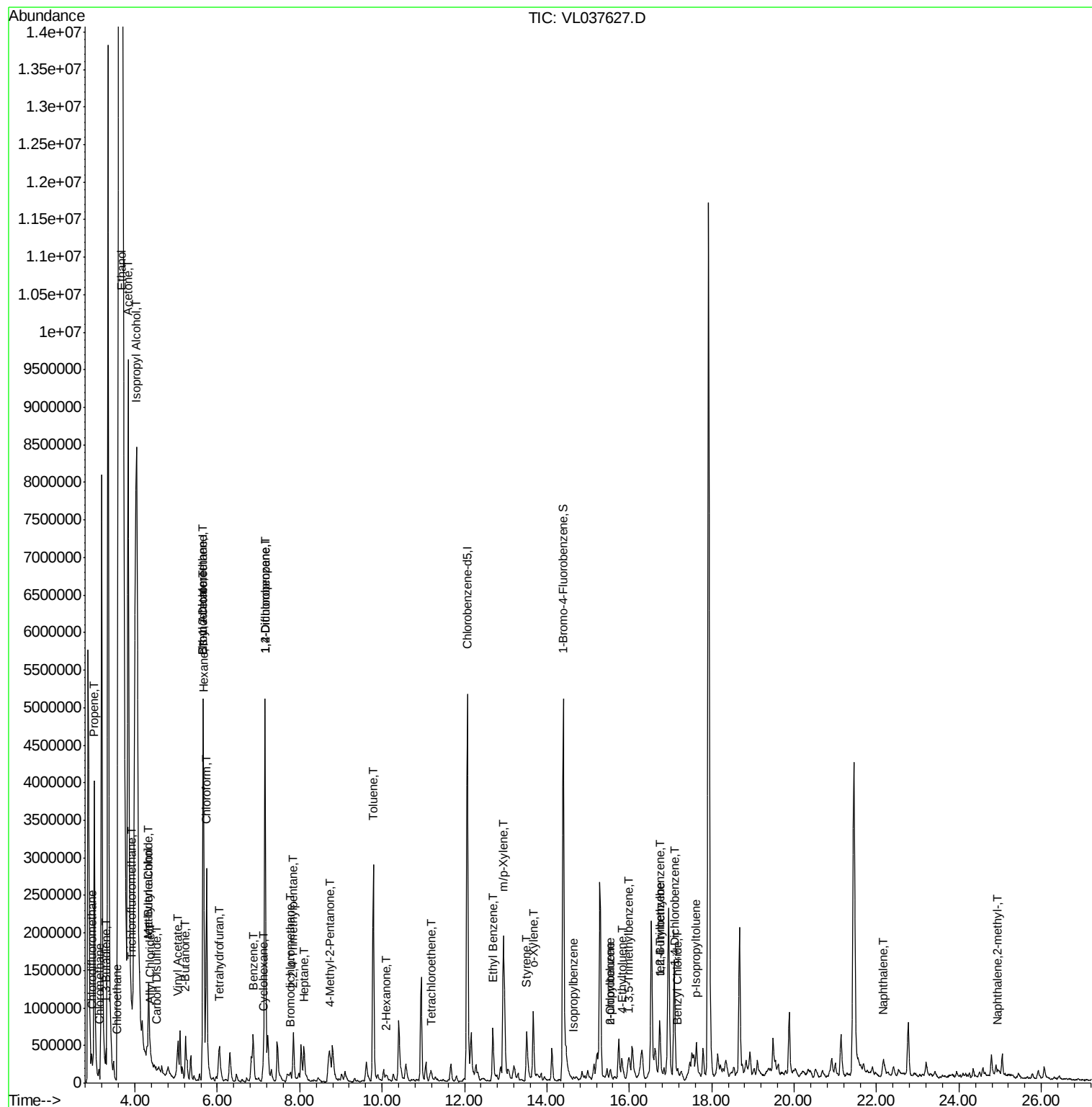
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.98	105	81400	0.179	ppbv	88
74) 1,2,4-Trimethylbenzene	16.73	105	490637	1.024	ppbv #	78
76) 1,4-Dichlorobenzene	17.12	146	65113	0.222	ppbv #	23
79) Naphthalene	22.17	128	119744	0.407	ppbv	98
80) Naphthalene,2-methyl-	24.94	142	30038	0.447	ppbv	94

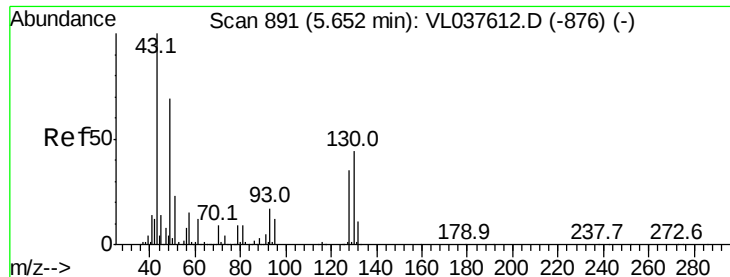
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

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MSVOA_L
ClientSampleId :

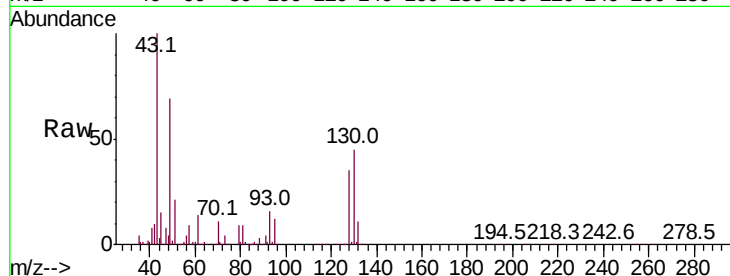
Tot Ion: 49 Resp: 1597764

Ion Ratio Lower Upper

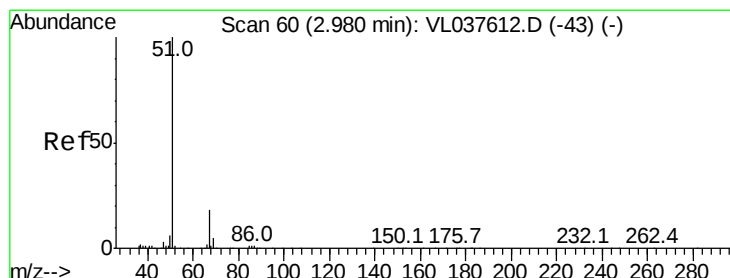
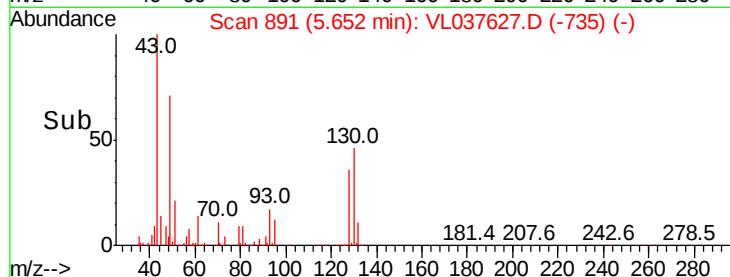
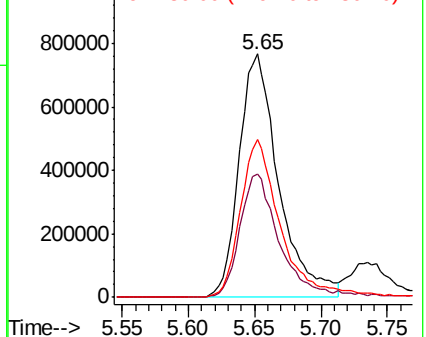
49 100

128 51.4 27.9 83.6

130 66.1 33.9 101.7



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



#3

Chlorodifluoromethane

Concen: 1.244 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.03 min

Lab File: VL037627.D

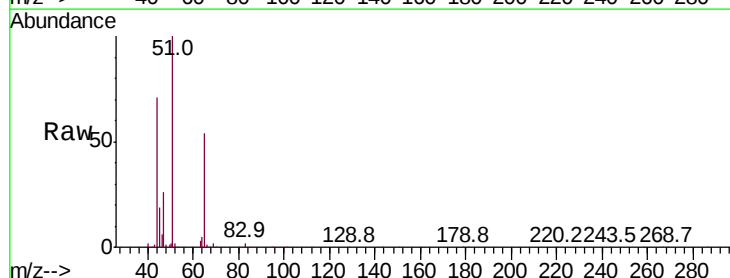
Acq: 16 Sep 2021 22:45

Tgt Ion: 51 Resp: 374889

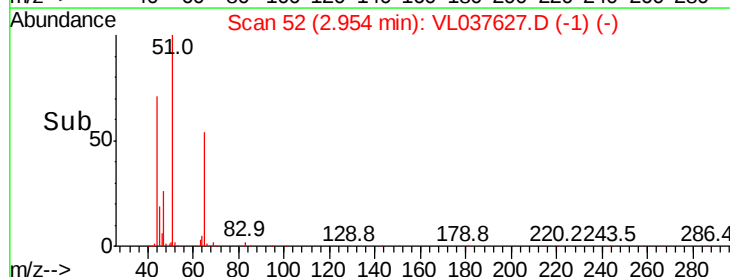
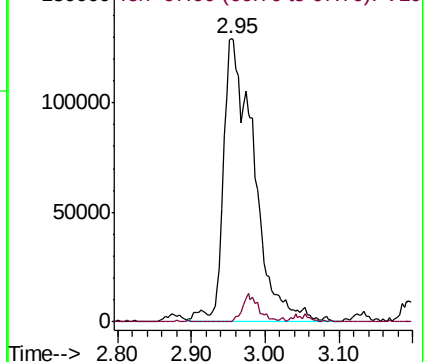
Ion Ratio Lower Upper

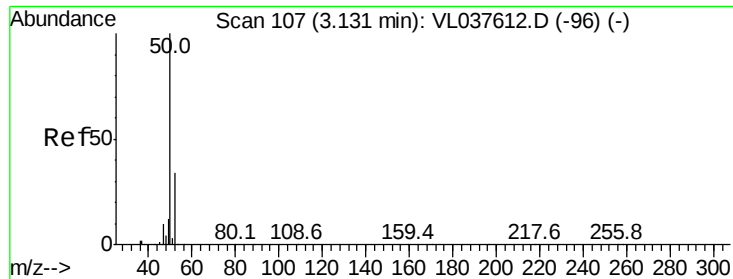
51 100

67 5.5 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 1.246 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

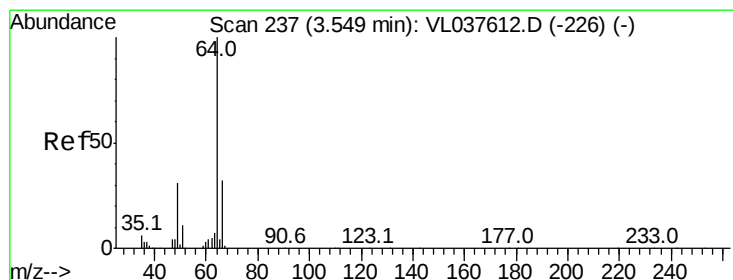
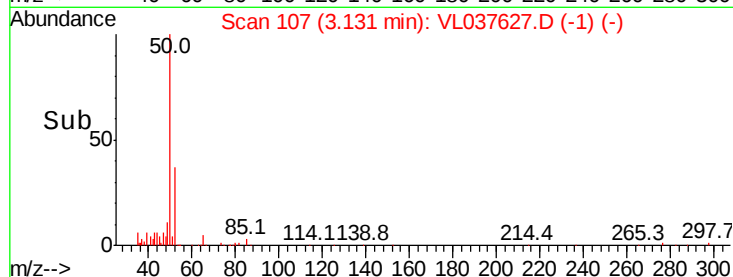
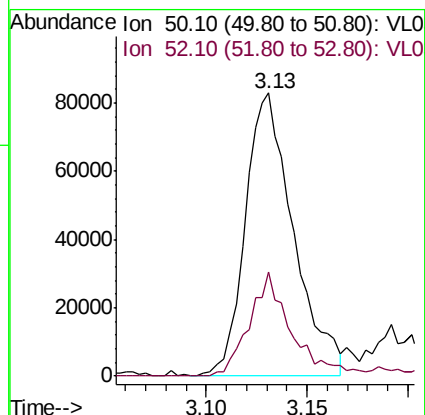
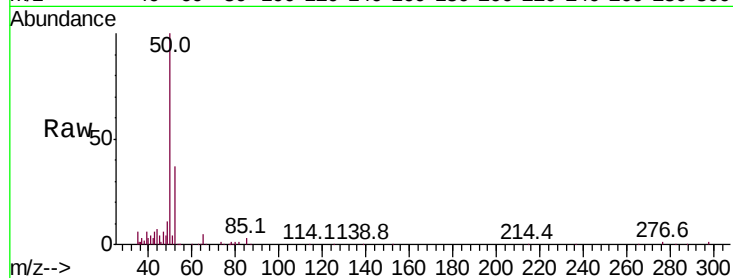
ClientSampleId :

Tot Ion: 50 Resp: 138742

Ion Ratio Lower Upper

50 100

52 37.0 27.1 40.7



#7

Chloroethane

Concen: 0.108 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL037627.D

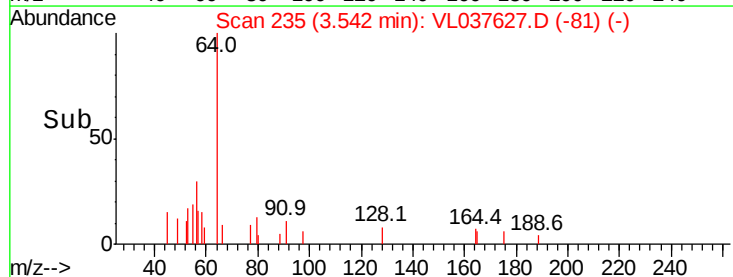
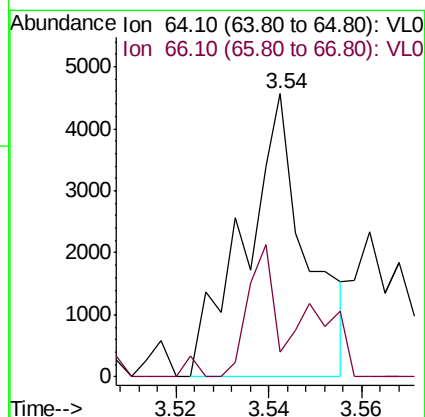
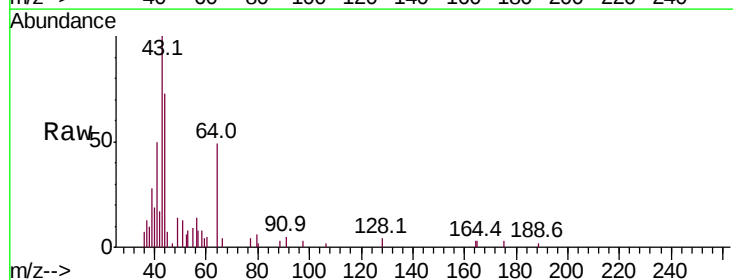
Acq: 16 Sep 2021 22:45

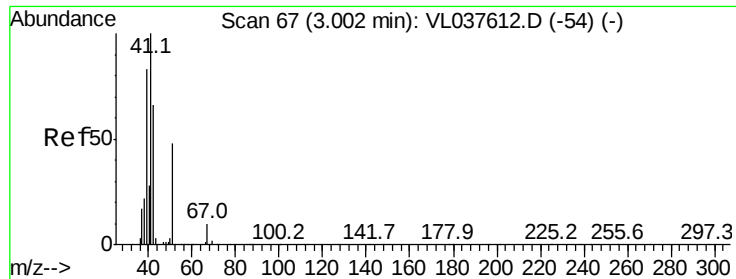
Tgt Ion: 64 Resp: 4229

Ion Ratio Lower Upper

64 100

66 8.9 25.3 37.9#

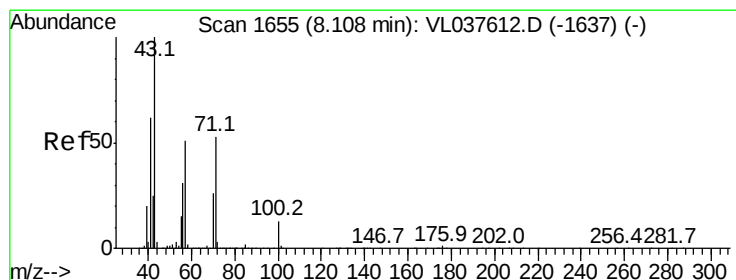
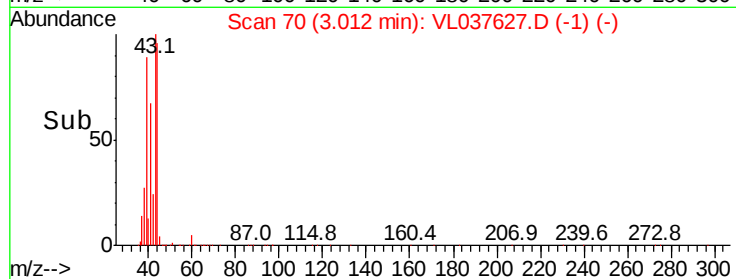
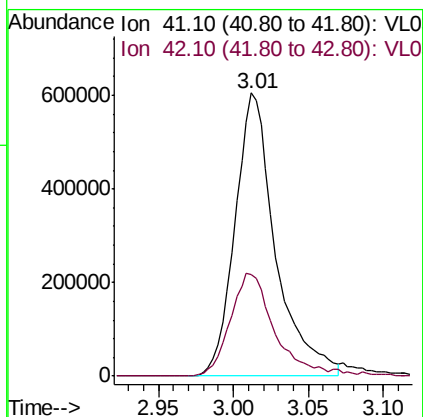
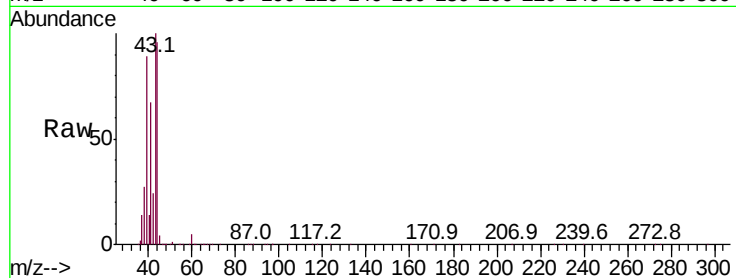




#9
 Propene
 Concen: 10.694 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL037627.D
 Acq: 16 Sep 2021 22:45

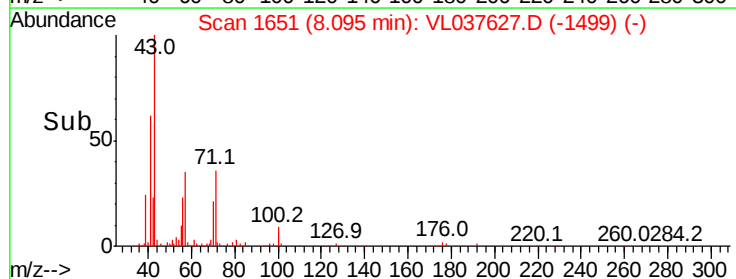
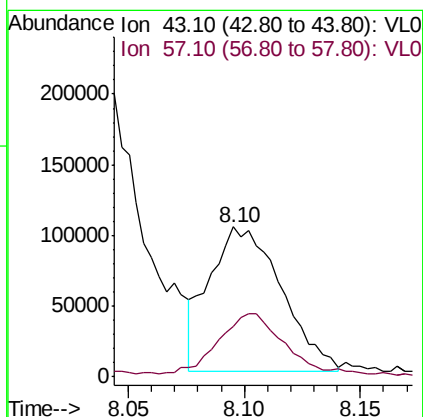
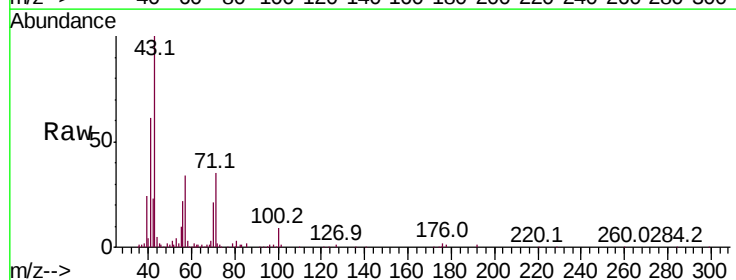
Instrument :
 MSVOA_L
 ClientSampleId :

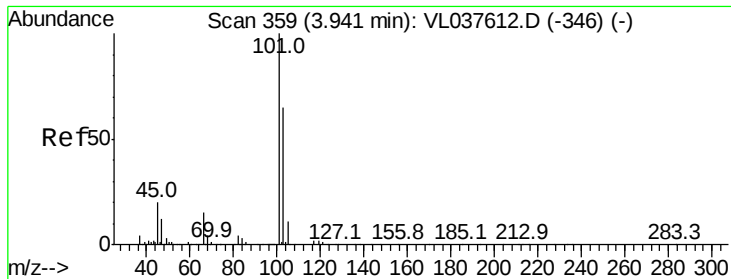
Tot Ion: 41 Resp: 1136900
 Ion Ratio Lower Upper
 41 100
 42 40.7 57.2 85.8#



#10
 Heptane
 Concen: 0.884 ppbv
 RT: 8.10 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: VL037627.D
 Acq: 16 Sep 2021 22:45

Tgt Ion: 43 Resp: 219166
 Ion Ratio Lower Upper
 43 100
 57 43.0 40.1 60.1





#11

Trichlorofluoromethane

Concen: 0.186 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

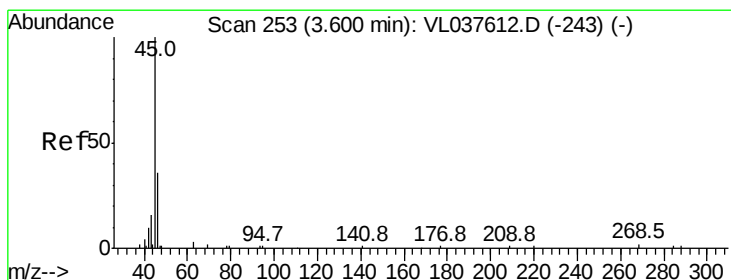
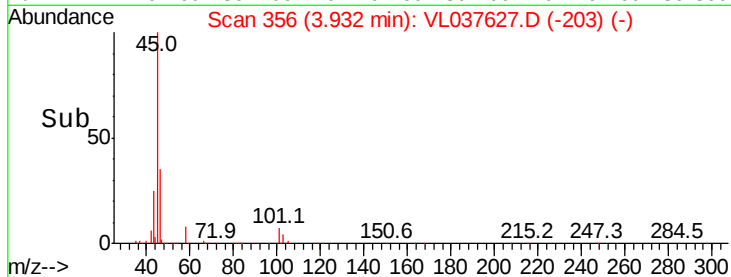
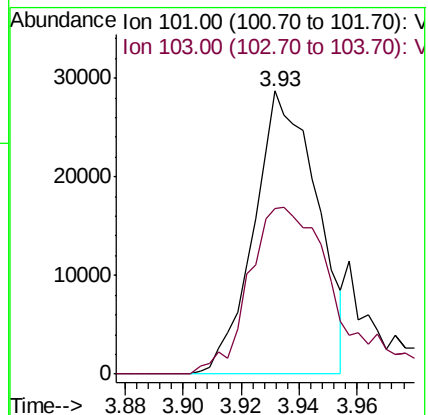
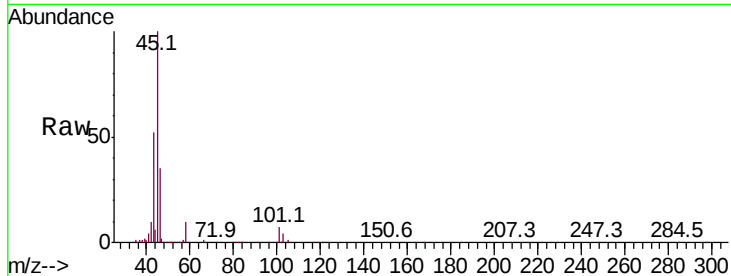
ClientSampleId :

Tot Ion:101 Resp: 43142

Ion Ratio Lower Upper

101 100

103 58.7 51.9 77.9



#13

Ethanol

Concen: 3779.110 ppbv

RT: 3.66 min Scan# 272

Delta R.T. 0.06 min

Lab File: VL037627.D

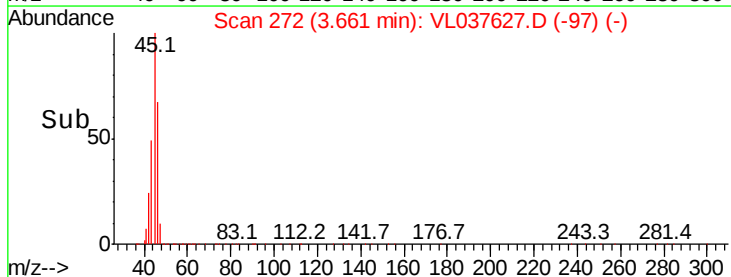
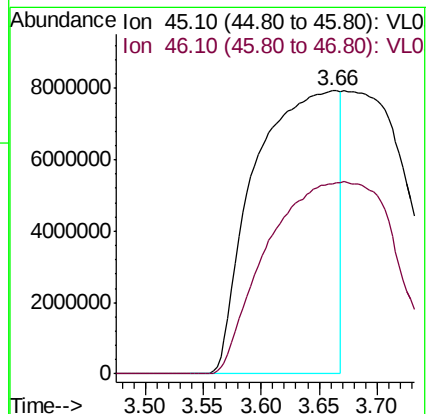
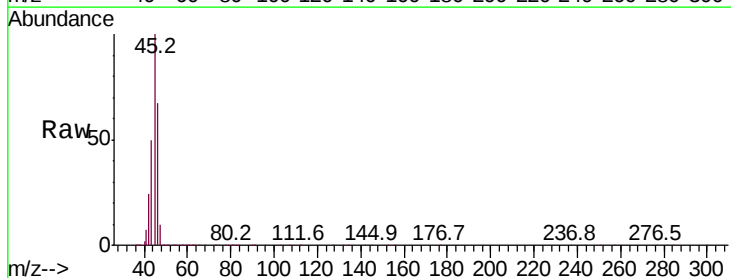
Acq: 16 Sep 2021 22:45

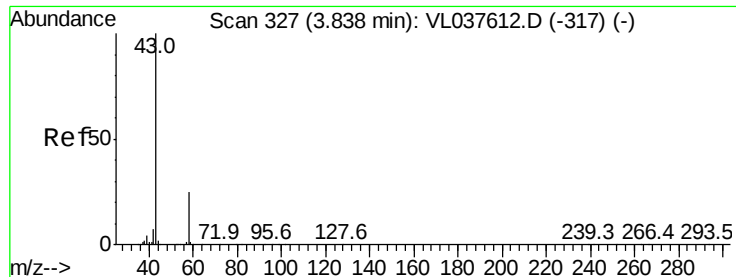
Tgt Ion: 45 Resp:39296545

Ion Ratio Lower Upper

45 100

46 0.0 17.2 68.8#





#15

Acetone

Concen: 75.668 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

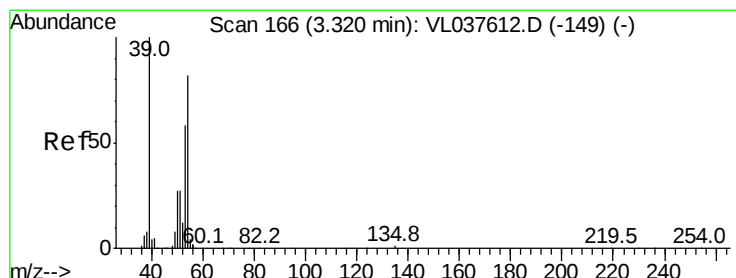
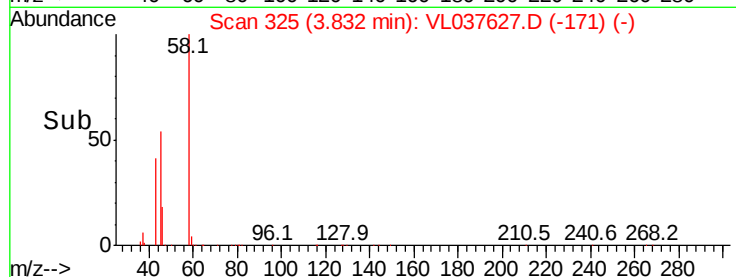
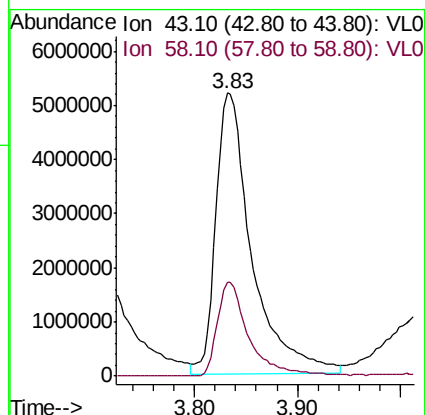
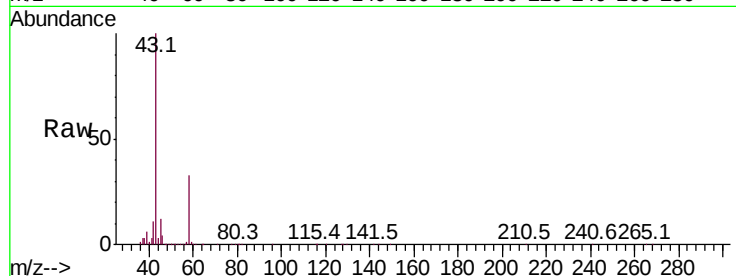
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 12561314

Ion Ratio Lower Upper

43 100

58 29.8 24.9 37.3



#16

1,3-Butadiene

Concen: 0.889 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.02 min

Lab File: VL037627.D

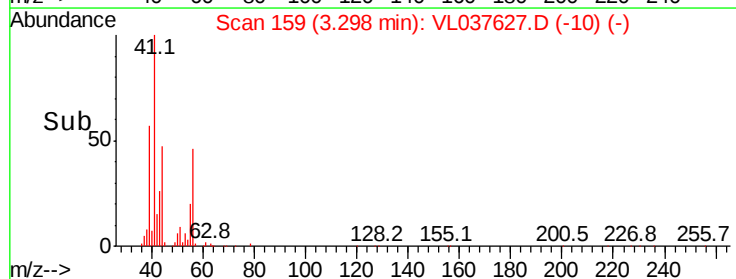
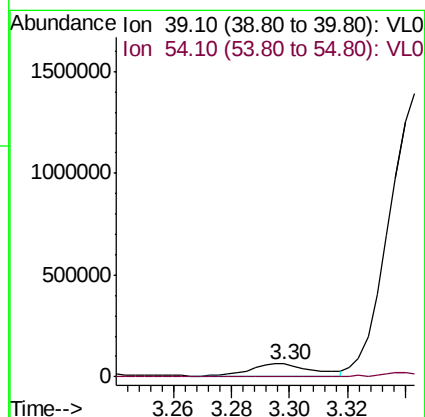
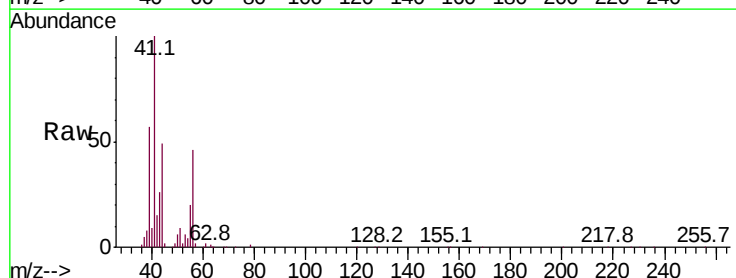
Acq: 16 Sep 2021 22:45

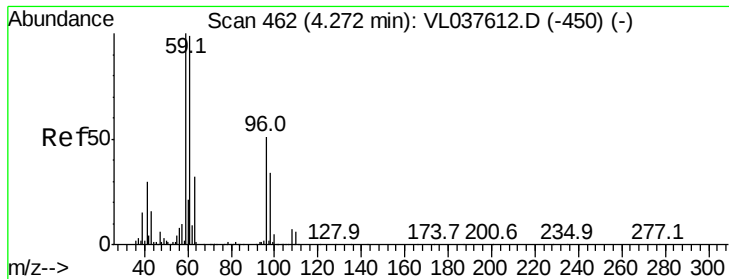
Tgt Ion: 39 Resp: 92197

Ion Ratio Lower Upper

39 100

54 0.0 62.6 93.8#



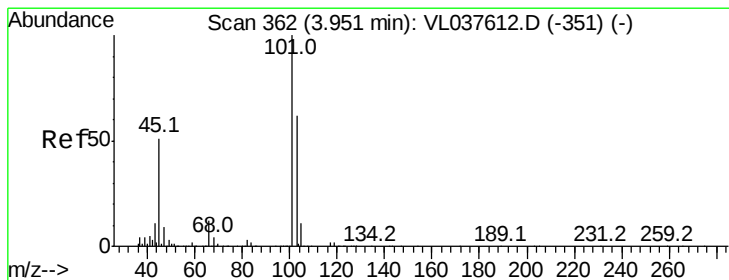
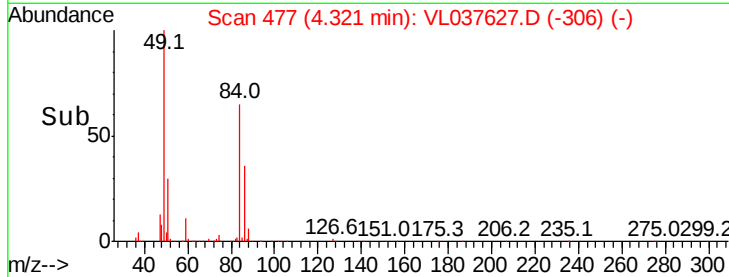
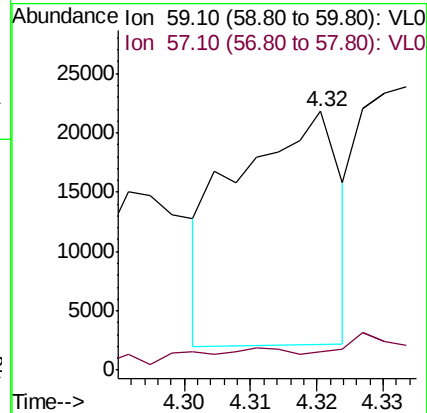
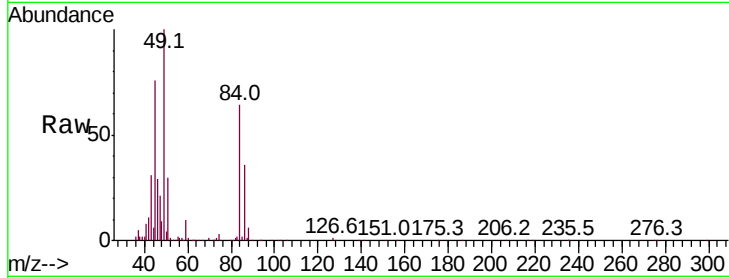


#17

tert-Butyl alcohol
Concen: 0.152 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.05 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Instrument :
MSVOA_L
ClientSampled :

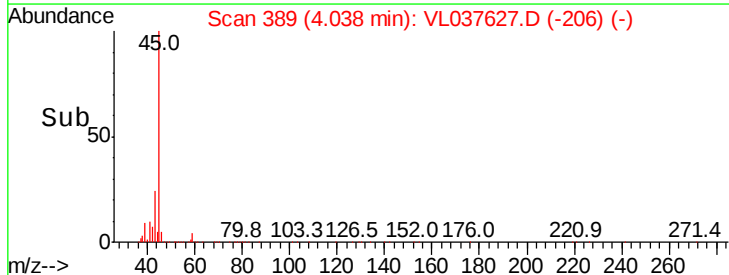
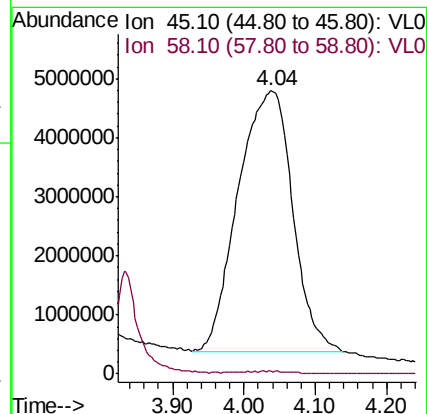
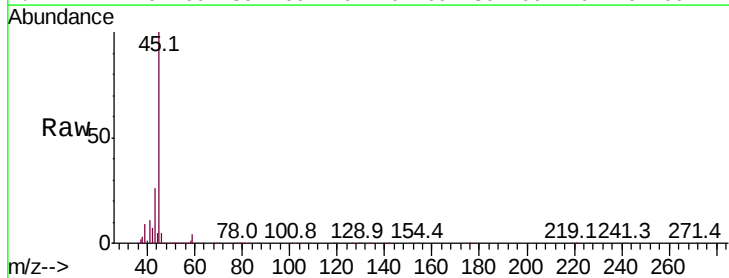
Tot Ion: 59 Resp: 21465
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

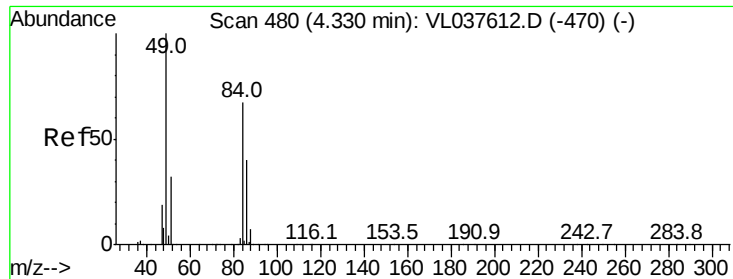


#19

Isopropyl Alcohol
Concen: 260.090 ppbv
RT: 4.04 min Scan# 389
Delta R.T. 0.09 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Tgt Ion: 45 Resp: 23492438
Ion Ratio Lower Upper
45 100
58 1.2 2.9 4.3#





#20

Methylene Chloride

Concen: 4.668 ppbv

RT: 4.33 min Scan# 481

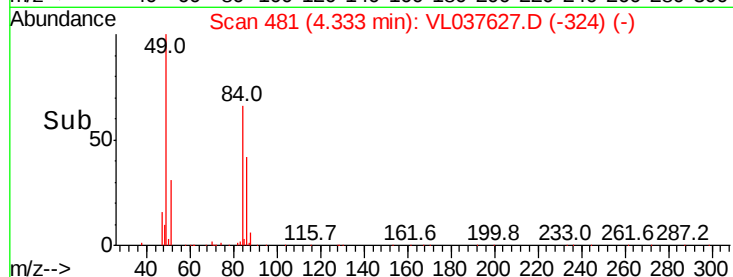
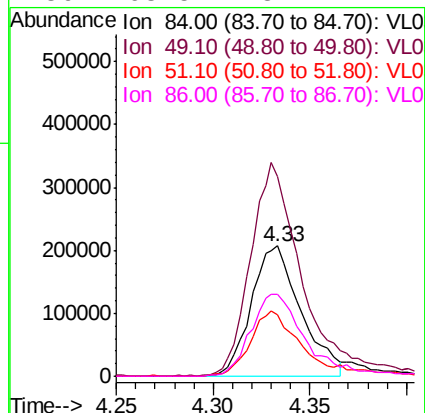
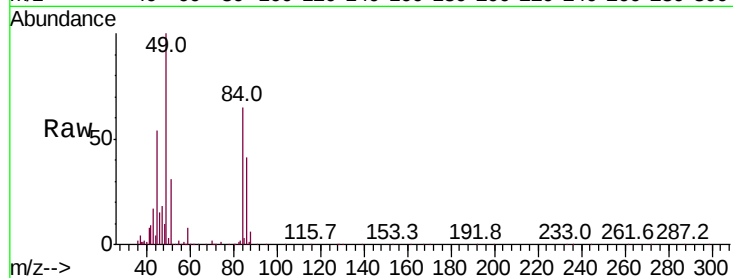
Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	369951
Ion	Ratio	Lower	Upper
84	100		
49	152.3	120.0	180.0
51	47.3	38.0	57.0
86	63.5	48.2	72.2



#21

Allyl Chloride

Concen: 0.062 ppbv

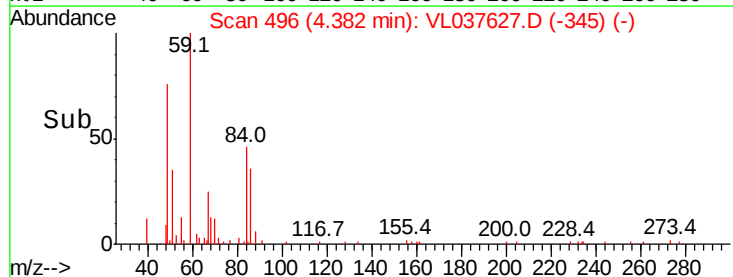
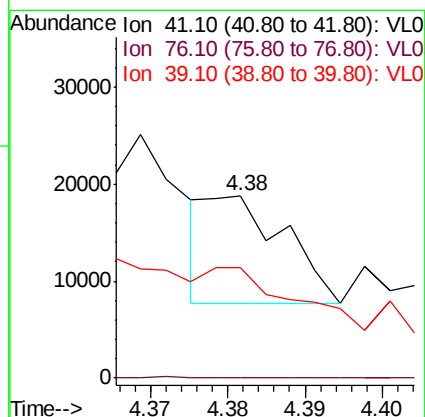
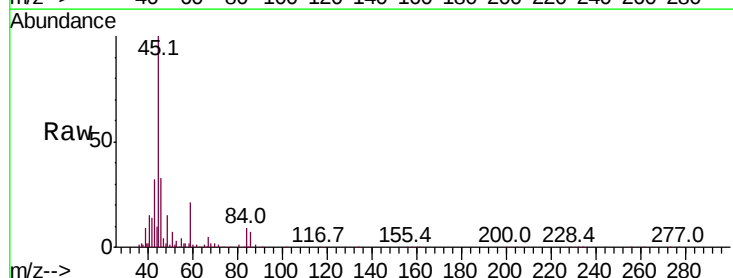
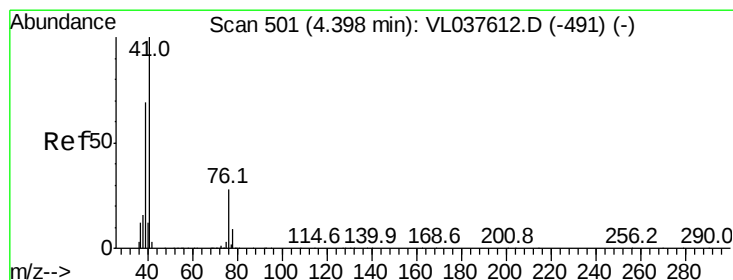
RT: 4.38 min Scan# 496

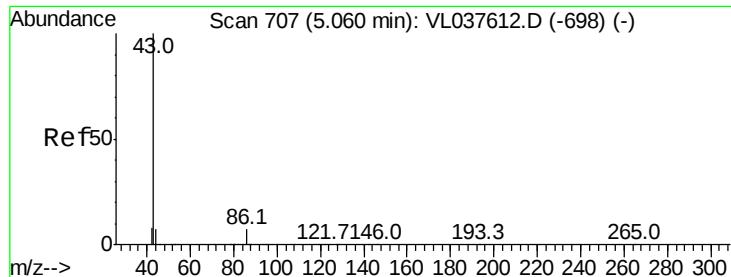
Delta R.T. -0.02 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Tgt Ion:	41	Resp:	7704
Ion	Ratio	Lower	Upper
41	100		
76	4.1	23.1	34.7#
39	0.0	61.0	91.6#





#23

Vinyl Acetate

Concen: 0.970 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 222843

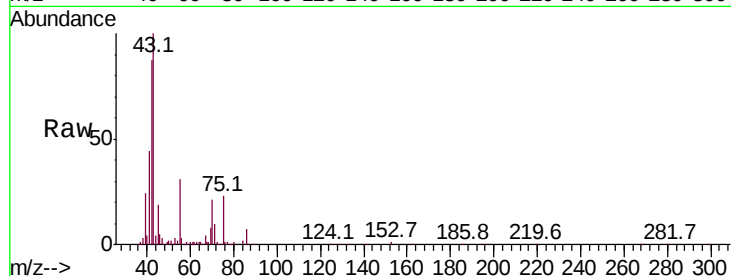
Ion Ratio Lower Upper

43 100

86 7.7 5.0 7.6#

42 90.0 7.5 11.3#

44 0.0 4.7 7.1#

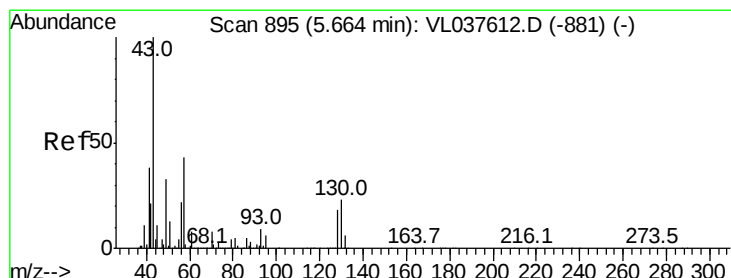
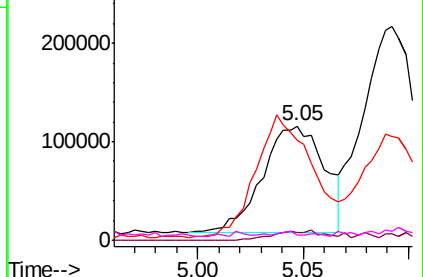
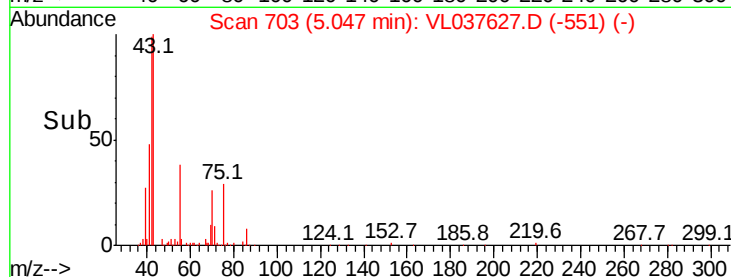


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 6.830 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Tgt Ion: 43 Resp: 2746193

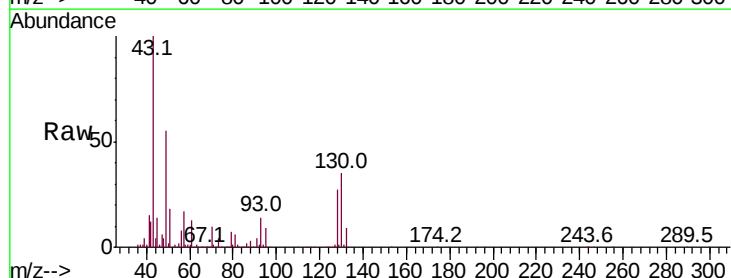
Ion Ratio Lower Upper

43 100

45 14.4 8.0 12.0#

61 11.7 7.5 11.3#

70 8.7 5.6 8.4#

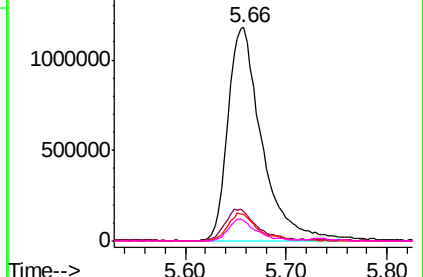
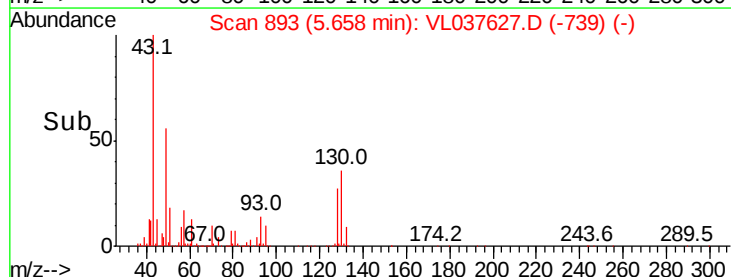


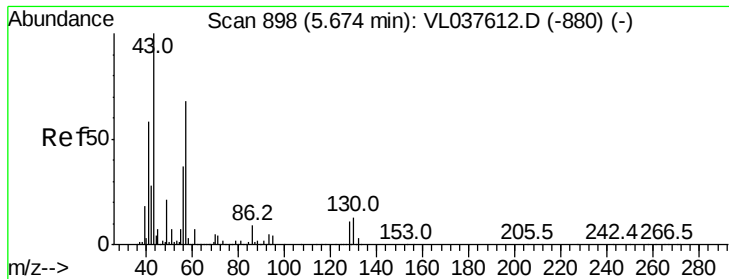
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 1.713 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 327115

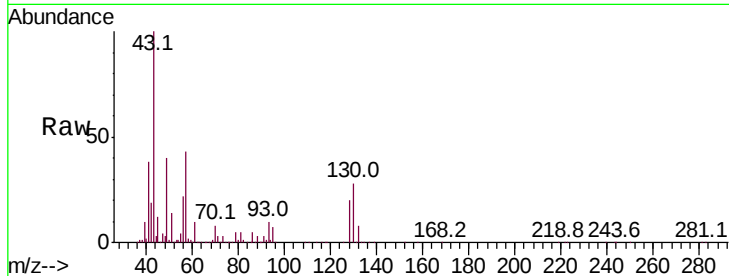
Ion Ratio Lower Upper

57 100

41 172.2 70.9 106.3#

43 0.0 170.4 255.6#

56 103.8 42.6 64.0#

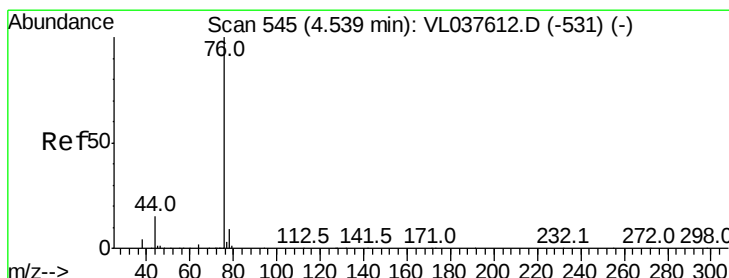
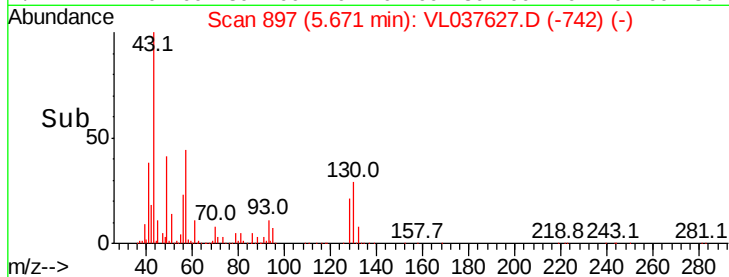
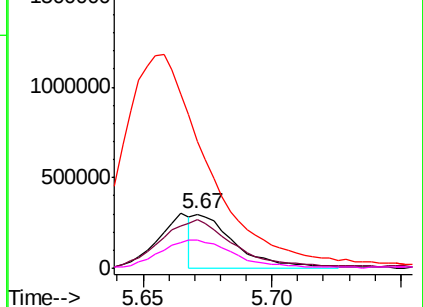


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.033 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

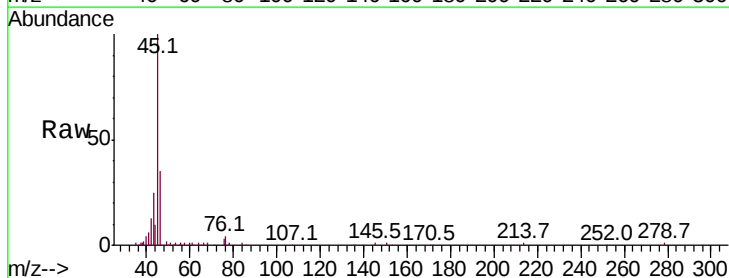
Tgt Ion: 76 Resp: 5747

Ion Ratio Lower Upper

76 100

44 158.4 14.2 21.2#

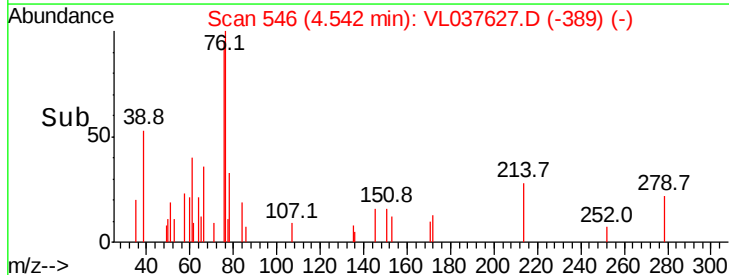
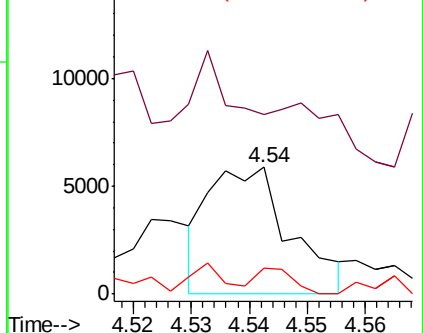
78 33.9 7.4 11.0#

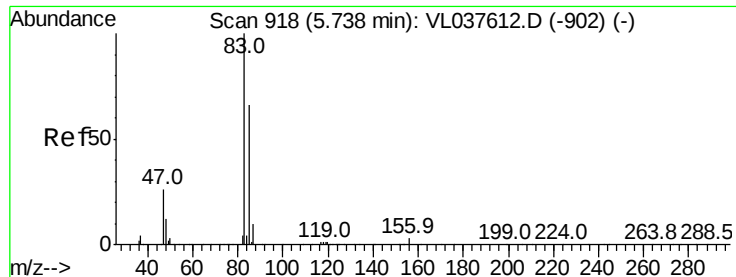


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

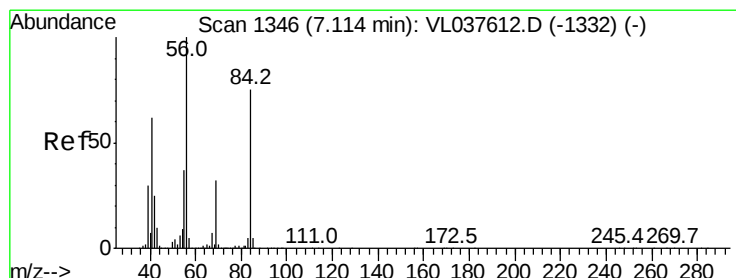
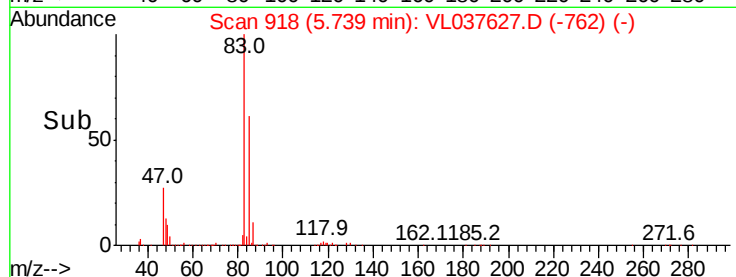
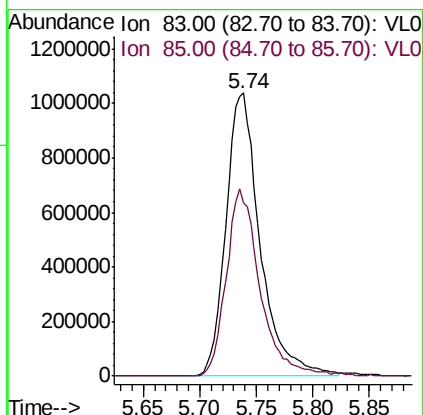
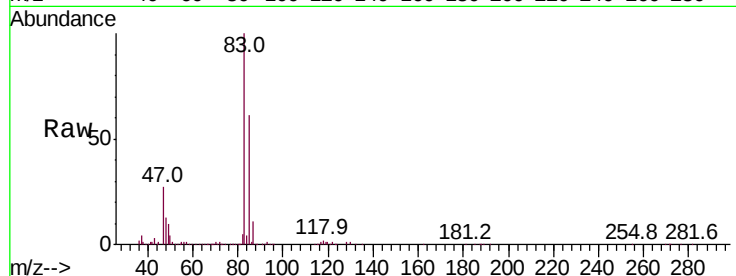




#29
Chloroform
Concen: 7.835 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

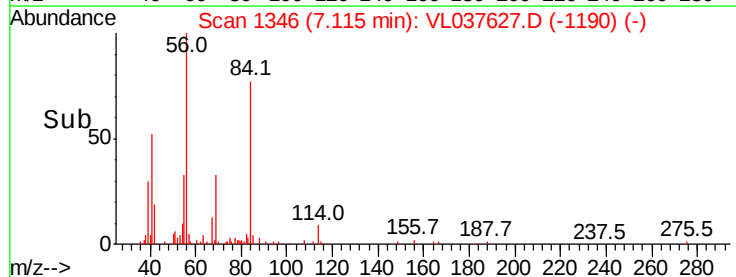
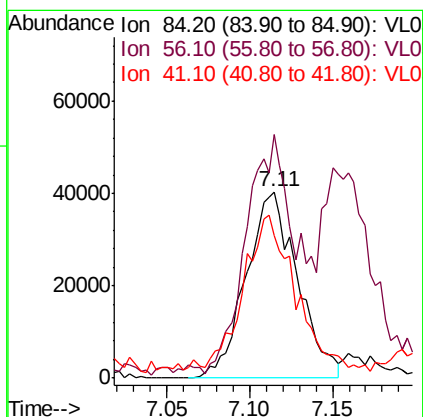
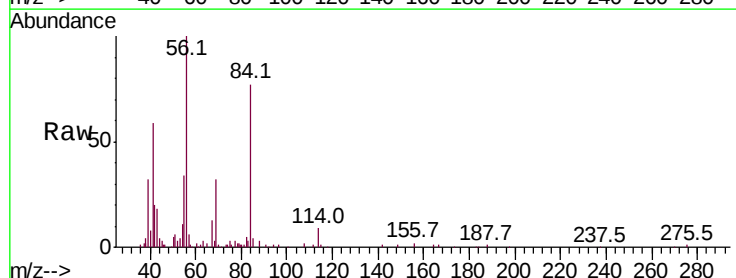
Instrument :
MSVOA_L
ClientSampled :

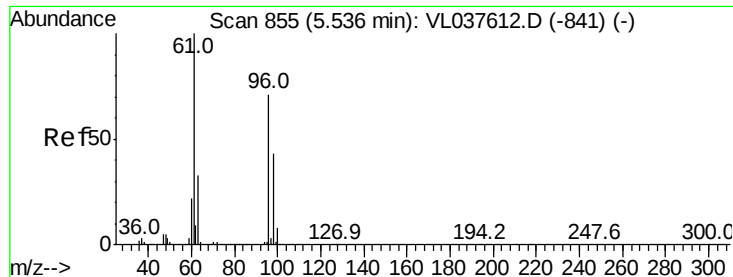
Tot Ion: 83 Resp: 2185087
Ion Ratio Lower Upper
83 100
85 61.2 52.6 79.0



#30
Cyclohexane
Concen: 0.532 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Tgt Ion: 84 Resp: 86888
Ion Ratio Lower Upper
84 100
56 110.6 113.6 170.4#
41 91.0 67.9 101.9



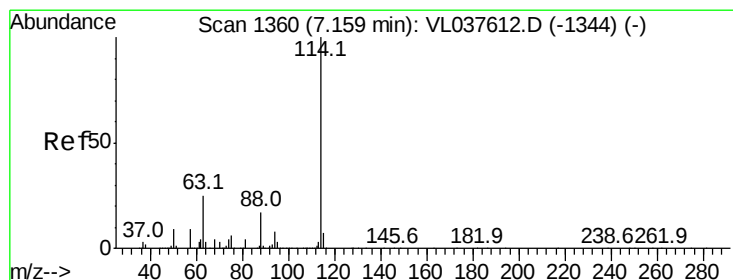
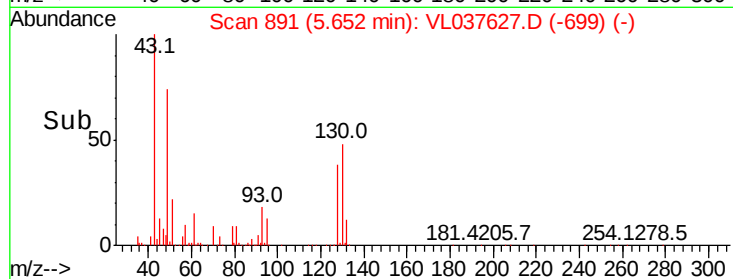
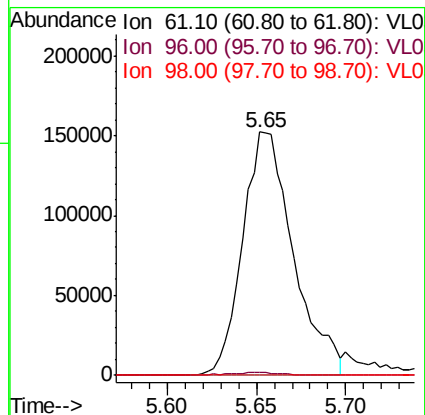
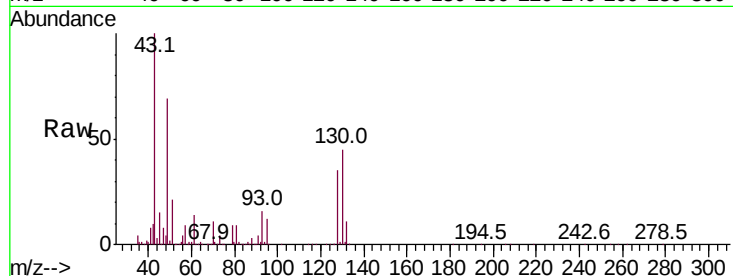


#31

cis-1,2-Dichloroethene
 Concen: 1.749 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.12 min
 Lab File: VL037627.D
 Acq: 16 Sep 2021 22:45

Instrument :
 MSVOA_L
 ClientSampleId :

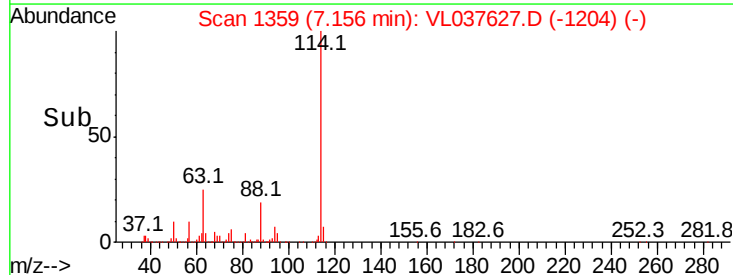
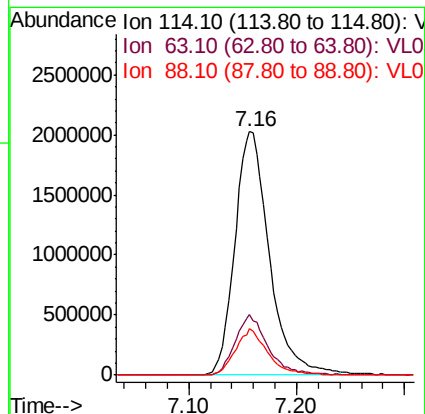
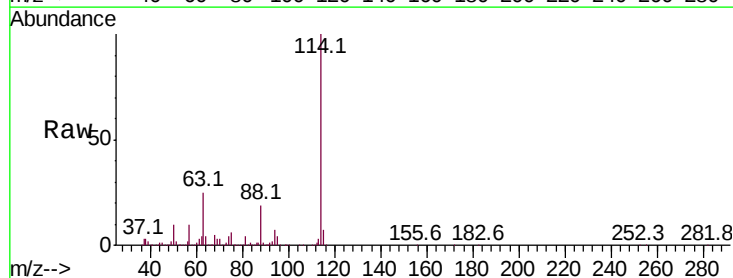
Tot Ion	Ratio	Lower	Upper
61	100		
96	1.4	56.7	85.1#
98	0.0	34.6	52.0#

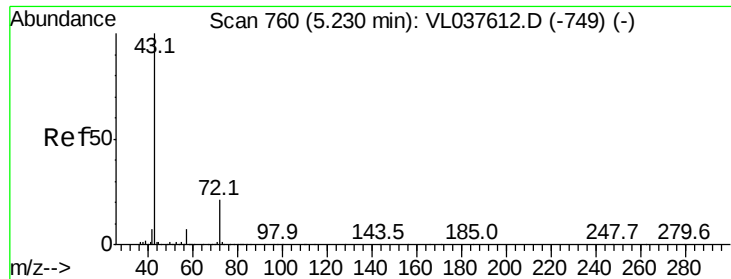


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037627.D
 Acq: 16 Sep 2021 22:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.6	29.4
88	18.0	14.2	21.4

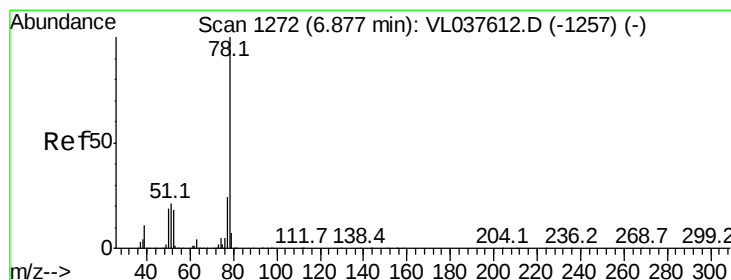
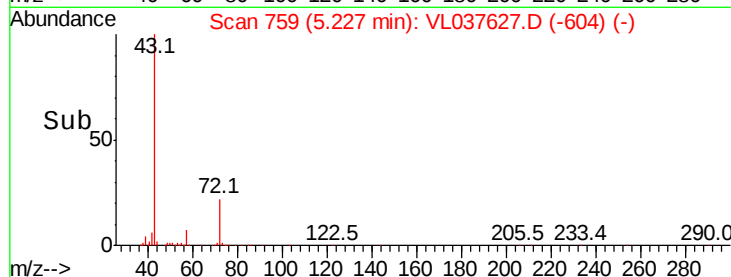
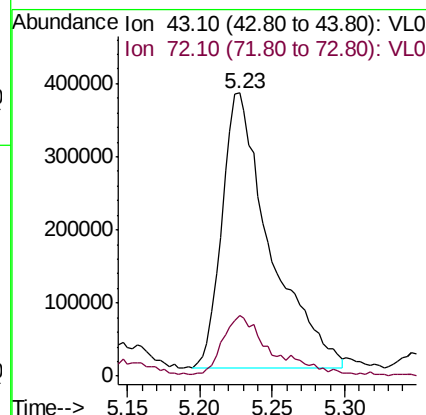
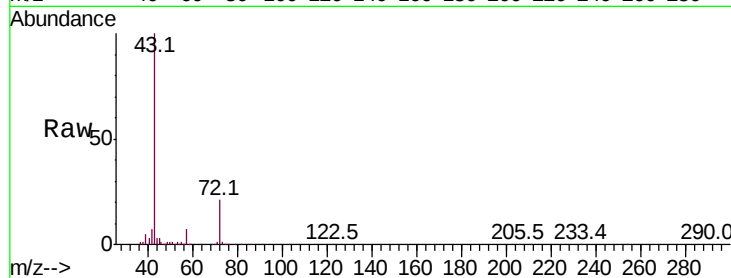




#34
2-Butanone
Concen: 4.728 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.00 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

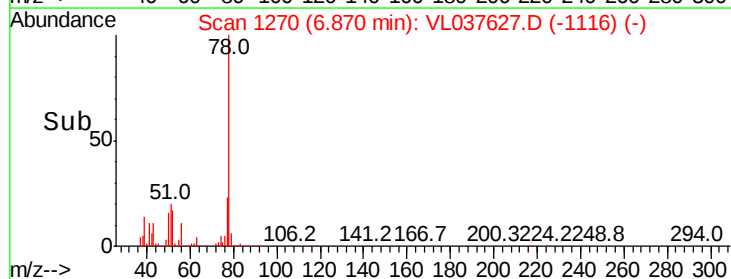
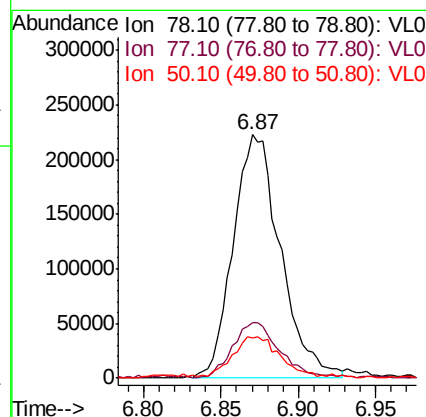
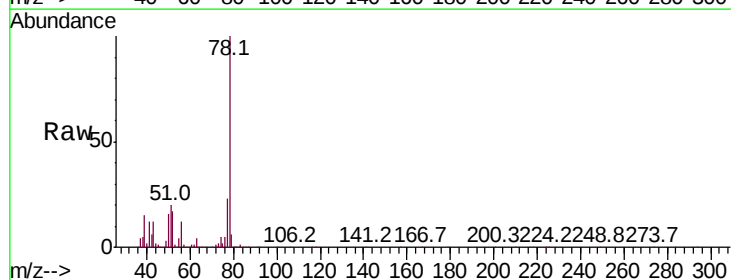
Instrument :
MSVOA_L
ClientSampleId :

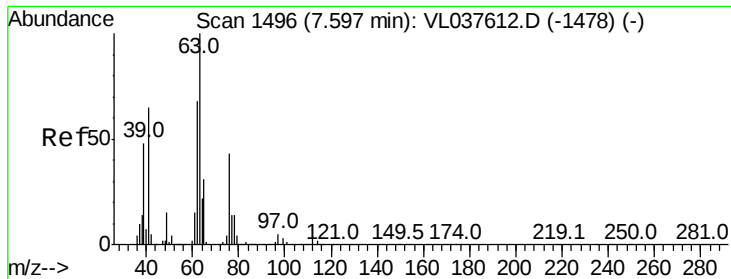
Tot Ion: 43 Resp: 866126
Ion Ratio Lower Upper
43 100
72 22.9 18.4 27.6



#36
Benzene
Concen: 1.249 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Tgt Ion: 78 Resp: 469317
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4
50 15.1 14.8 22.2





#39

1,2-Dichloropropane

Concen: 7.286 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.44 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

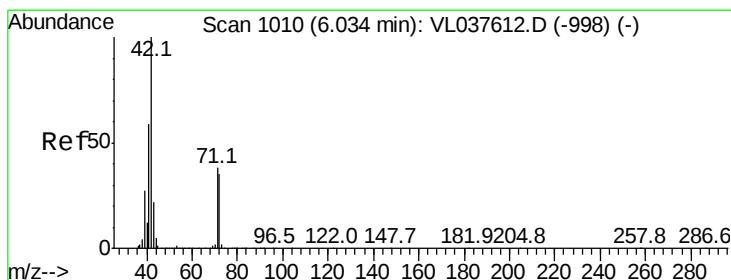
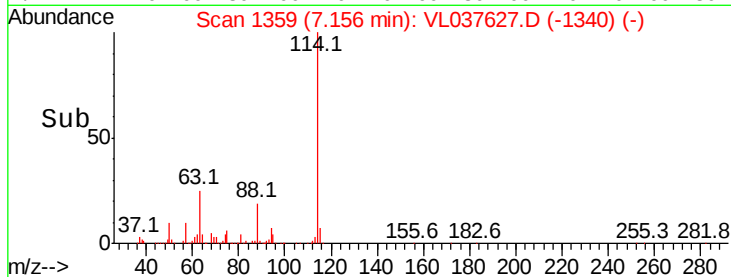
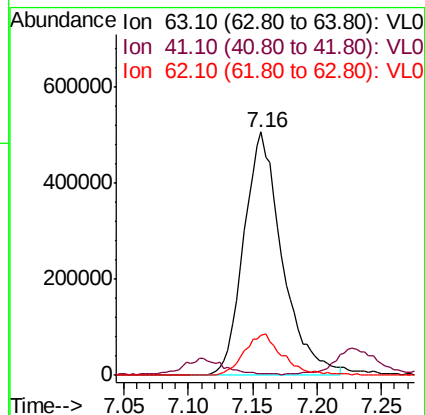
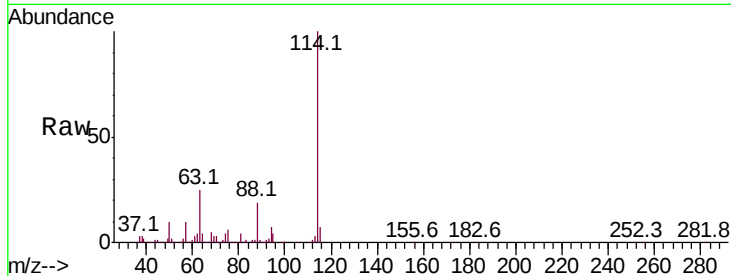
Tot Ion: 63 Resp: 1048961

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 16.4 54.6 81.8#



#41

Tetrahydrofuran

Concen: 1.511 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

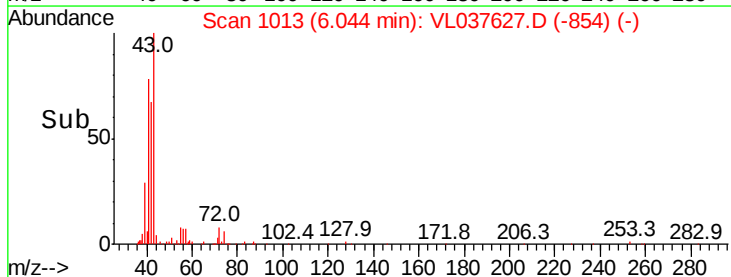
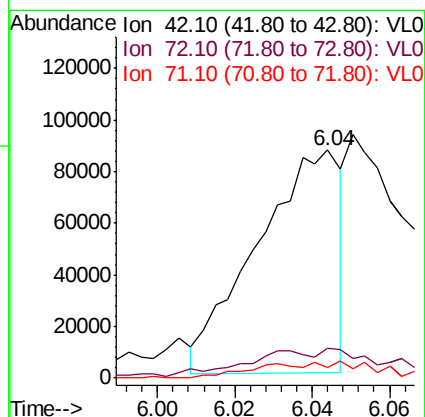
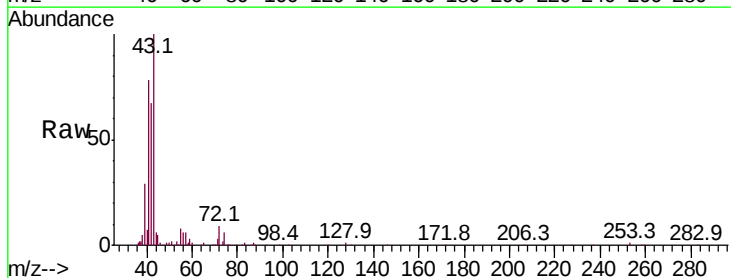
Tgt Ion: 42 Resp: 130160

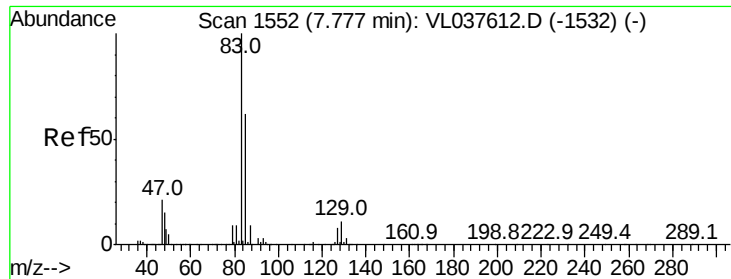
Ion Ratio Lower Upper

42 100

72 25.5 31.4 47.2#

71 0.0 30.6 46.0#





#42

Bromodichloromethane

Concen: 0.051 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

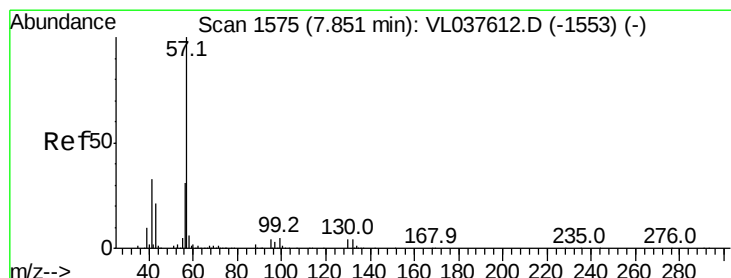
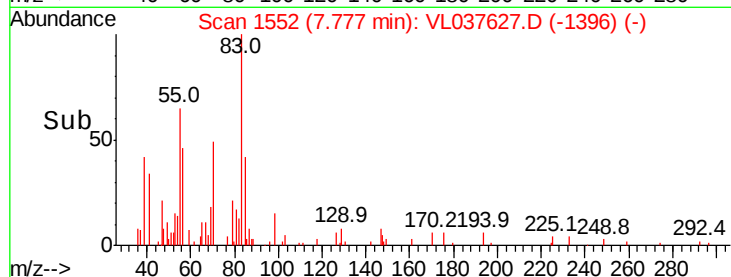
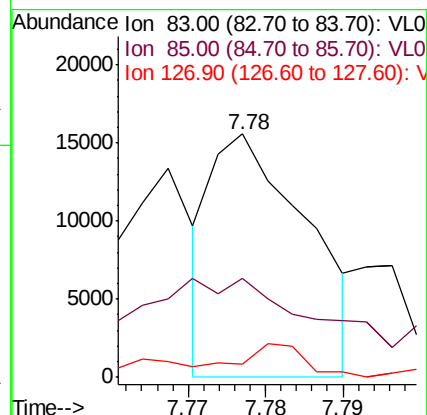
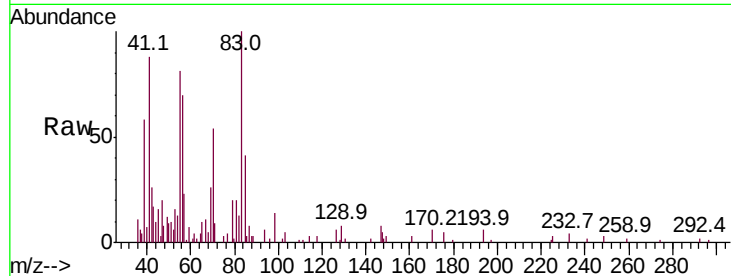
Tot Ion: 83 Resp: 13423

Ion Ratio Lower Upper

83 100

85 30.7 49.8 74.6#

127 5.9 6.4 9.6#



#44

2,2,4-Trimethylpentane

Concen: 0.905 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

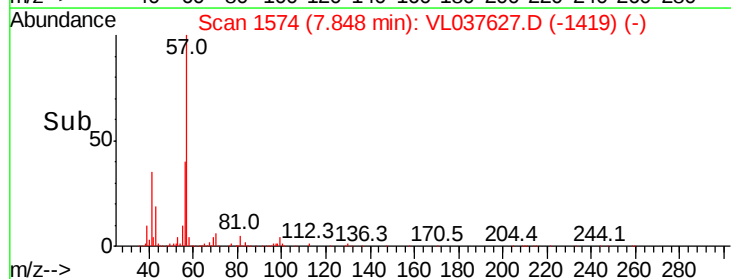
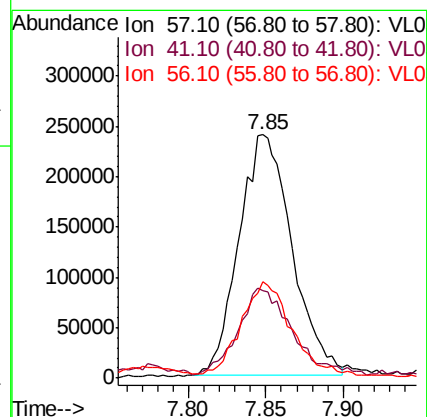
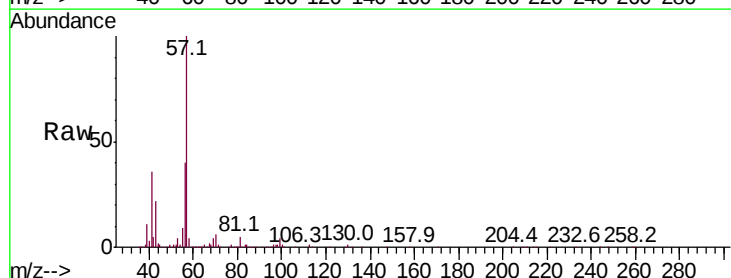
Tgt Ion: 57 Resp: 571851

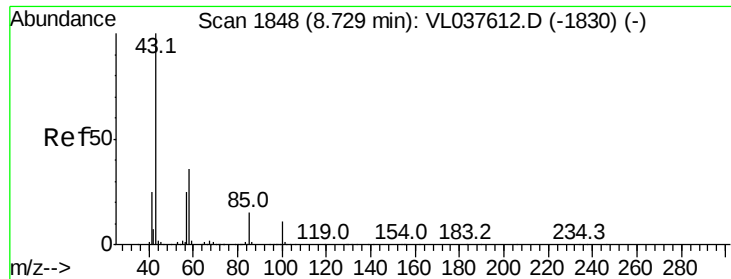
Ion Ratio Lower Upper

57 100

41 39.1 26.1 39.1

56 39.9 25.7 38.5#

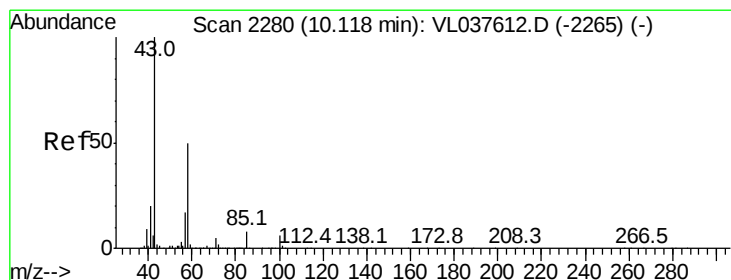
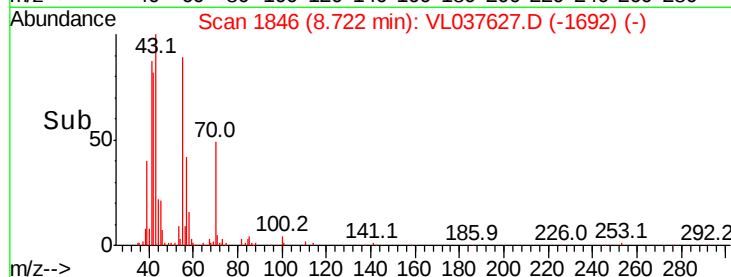
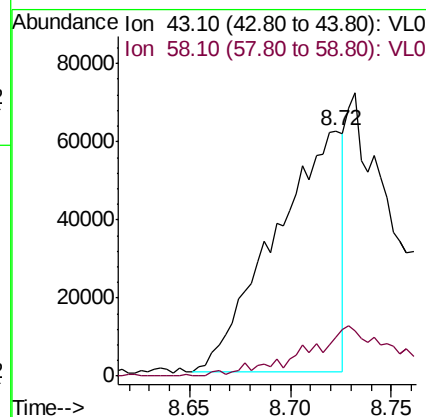
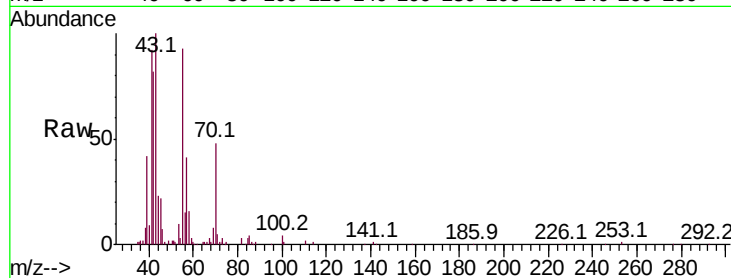




#50
4-Methyl-2-Pentanone
Concen: 0.624 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. -0.01 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

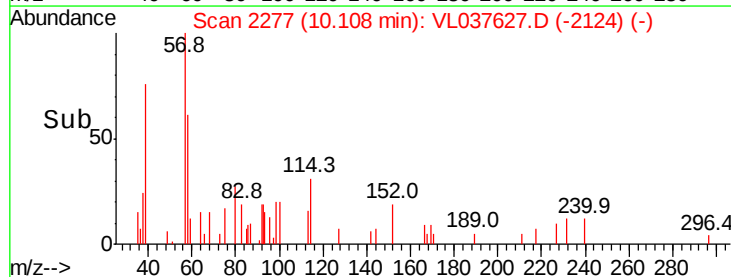
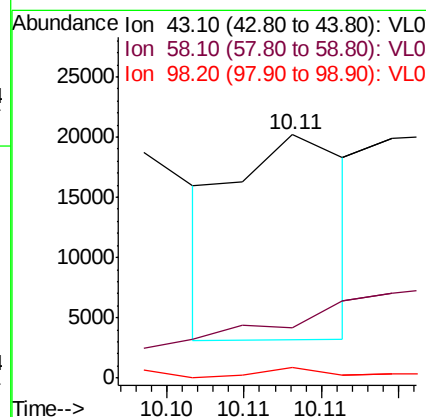
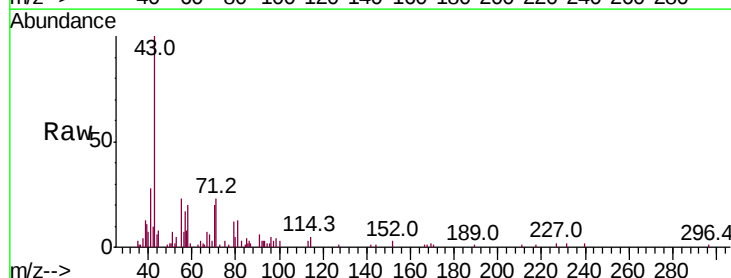
Instrument :
MSVOA_L
ClientSampleId :

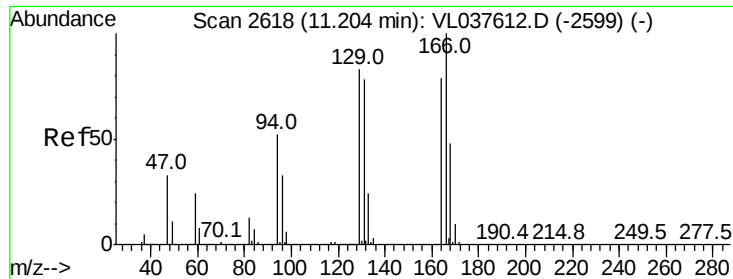
Tot Ion: 43 Resp: 145110
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#



#51
2-Hexanone
Concen: 0.085 ppbv
RT: 10.11 min Scan# 2277
Delta R.T. -0.01 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Tgt Ion: 43 Resp: 8736
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 8.4 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.066 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 9582

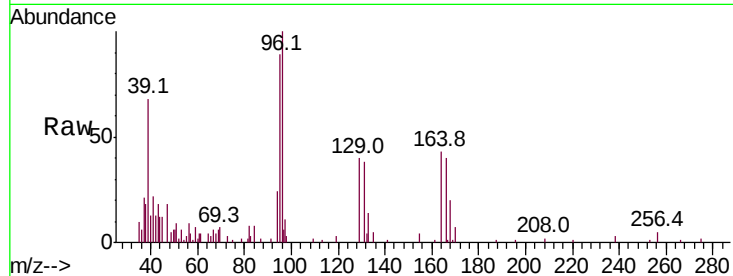
Ion Ratio Lower Upper

164 100

166 83.8 101.2 151.8#

129 84.5 84.0 126.0

131 78.5 78.8 118.2#

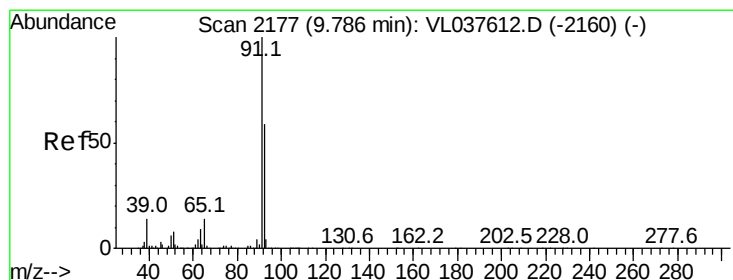
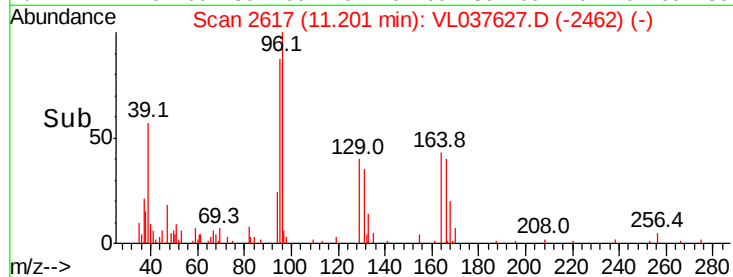
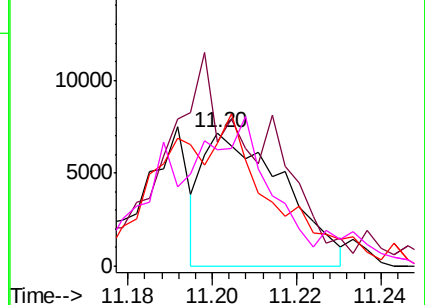


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 5.773 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037627.D

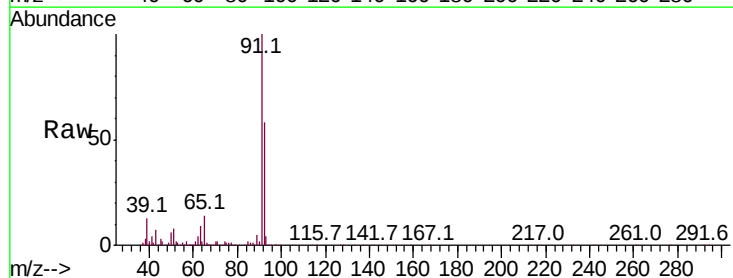
Acq: 16 Sep 2021 22:45

Tgt Ion: 91 Resp: 2411889

Ion Ratio Lower Upper

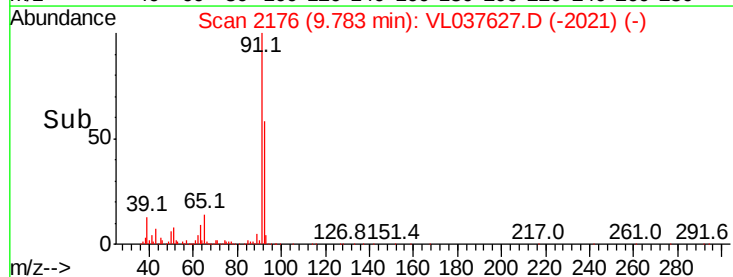
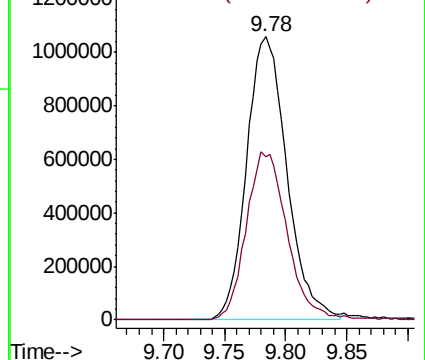
91 100

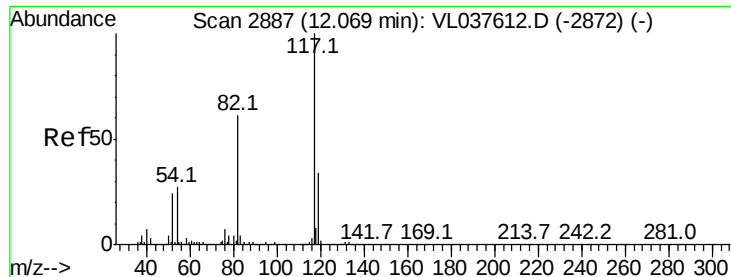
92 60.6 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

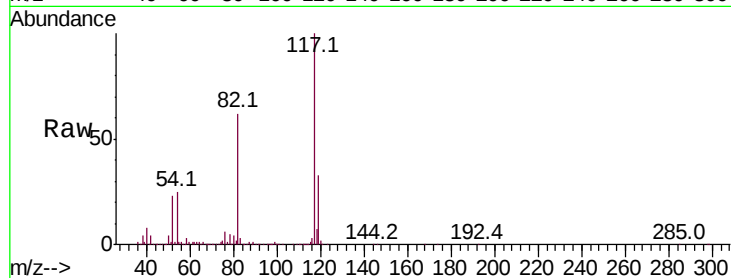
Tot Ion:117 Resp: 3862548

Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.6	75.8
119	34.5	26.2	39.2

117 100

82 65.5 50.6 75.8

119 34.5 26.2 39.2

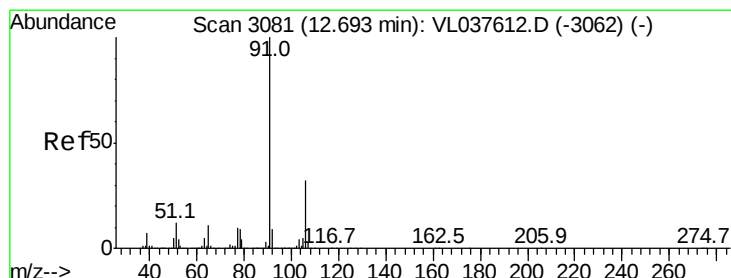
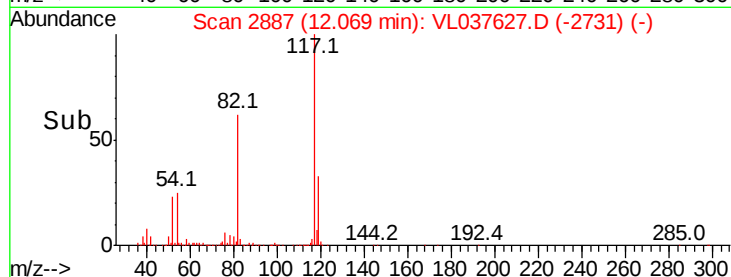
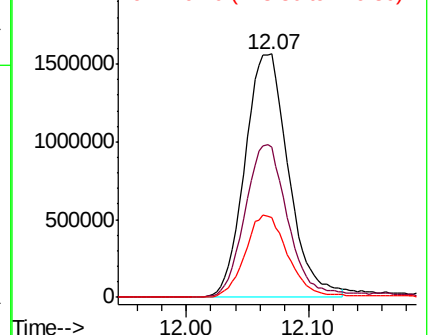


Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 1.237 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL037627.D

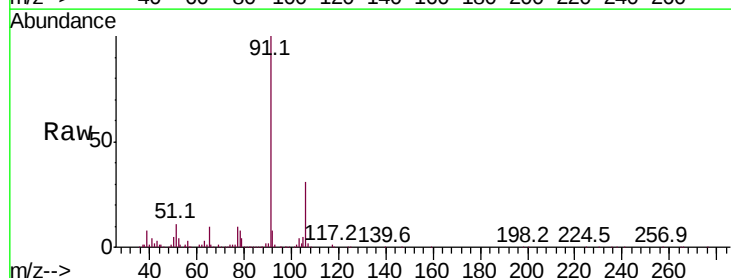
Acq: 16 Sep 2021 22:45

Tgt Ion: 91 Resp: 634368

Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.3	37.9

91 100

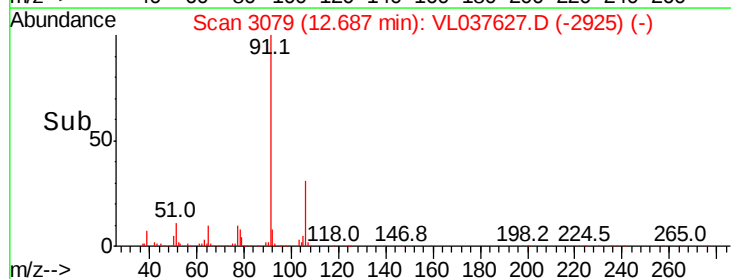
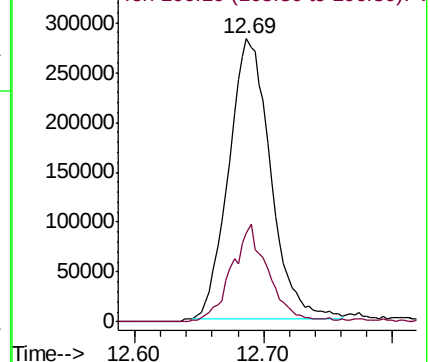
106 30.9 25.3 37.9

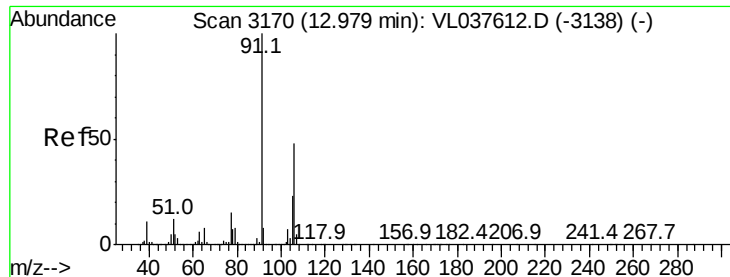


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 4.946 ppbv

RT: 12.94 min Scan# 3158

Delta R.T. -0.04 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

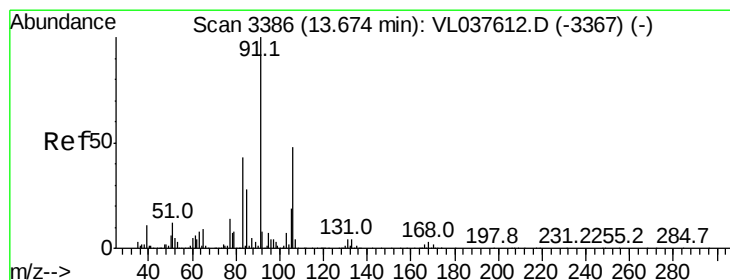
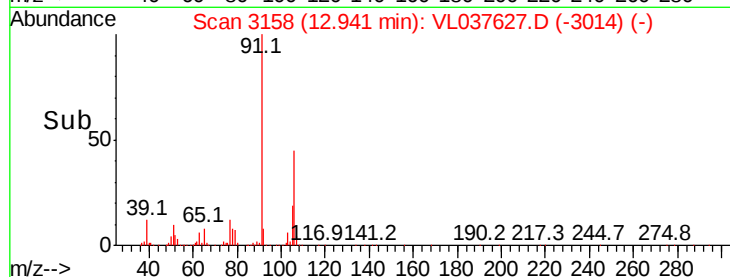
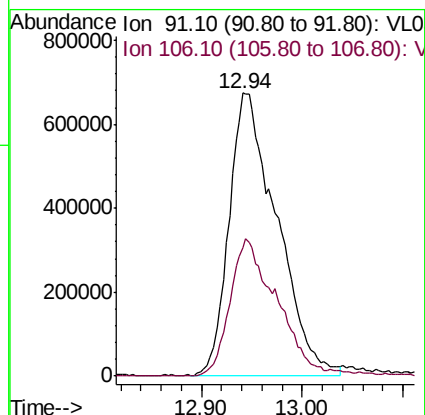
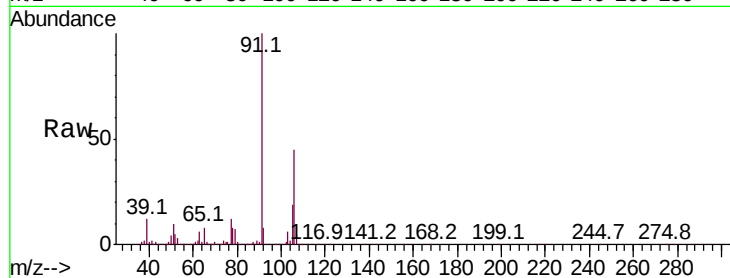
ClientSampleId :

Tot Ion: 91 Resp: 2209871

Ion Ratio Lower Upper

91 100

106 49.2 36.6 55.0



#60

o-Xylene

Concen: 1.806 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.01 min

Lab File: VL037627.D

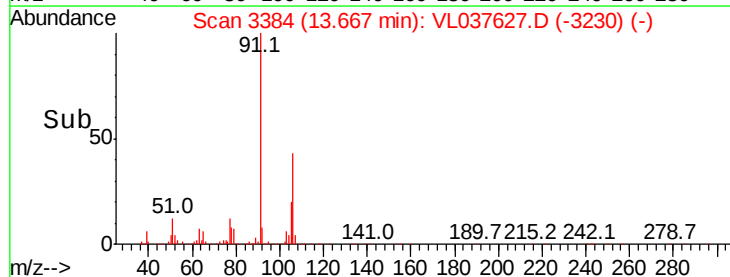
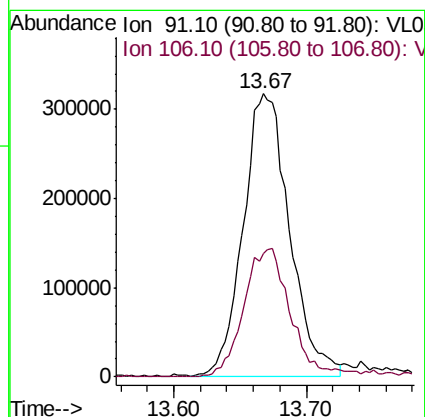
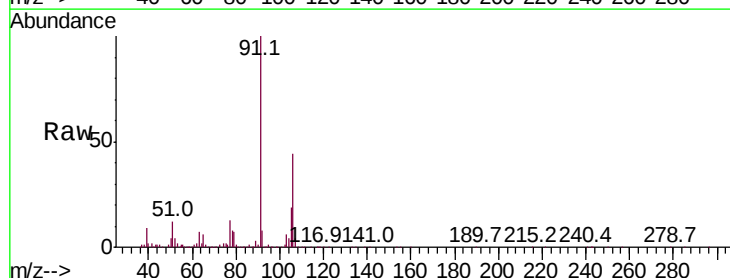
Acq: 16 Sep 2021 22:45

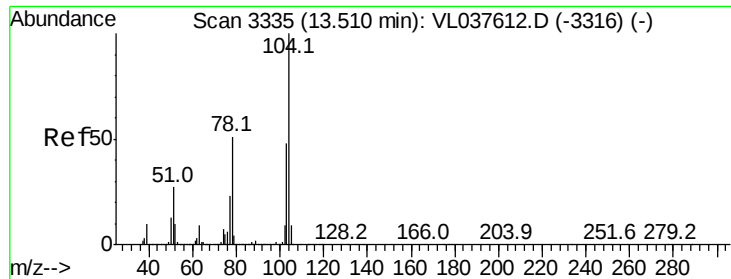
Tgt Ion: 91 Resp: 768082

Ion Ratio Lower Upper

91 100

106 46.0 23.0 69.0

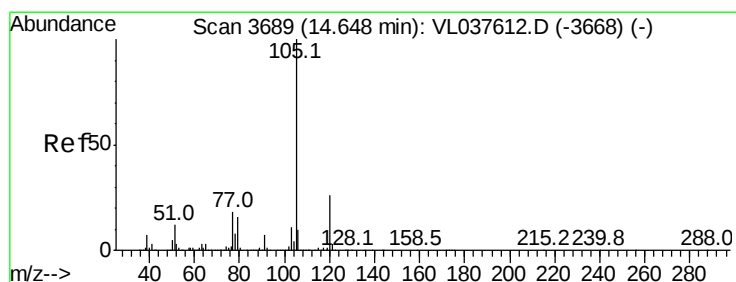
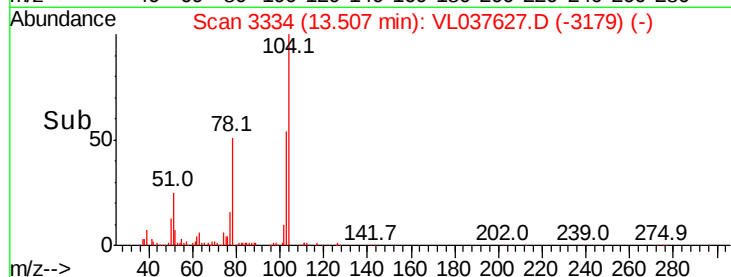
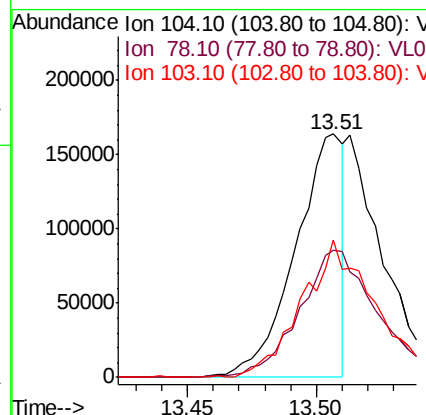
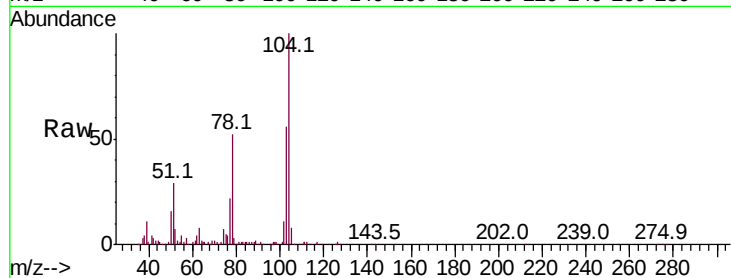




#61
Stvrene
Concen: 1.007 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

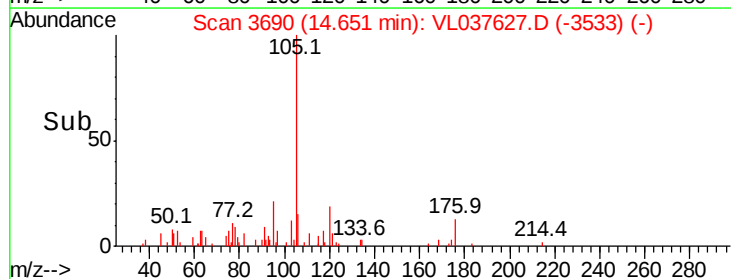
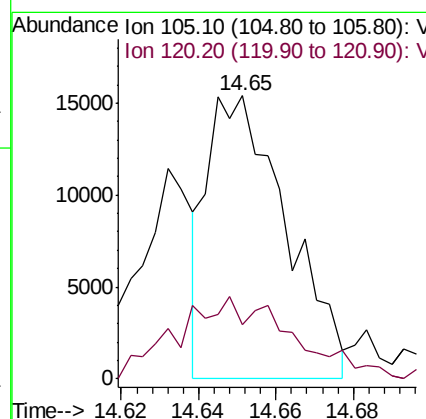
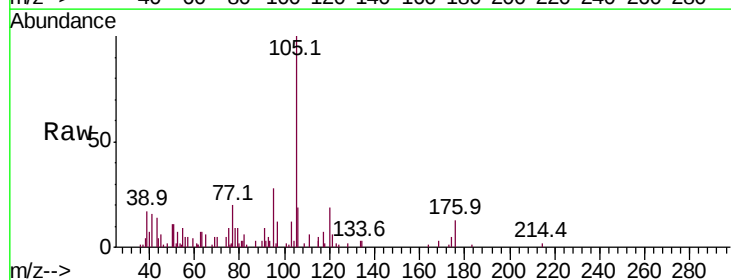
Instrument :
MSVOA_L
ClientSampled :

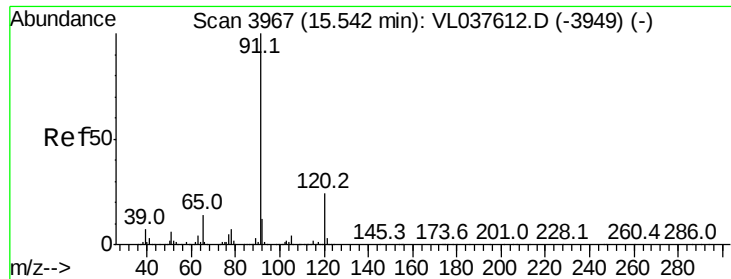
Tot Ion:104 Resp: 211258
Ion Ratio Lower Upper
104 100
78 87.0 39.7 59.5#
103 91.7 38.8 58.2#



#62
Isopropylbenzene
Concen: 0.037 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.00 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Tgt Ion:105 Resp: 21796
Ion Ratio Lower Upper
105 100
120 44.3 21.4 32.0#





#64

n-propylbenzene

Concen: 0.101 ppbv

RT: 15.54 min Scan# 3965

Delta R.T. -0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

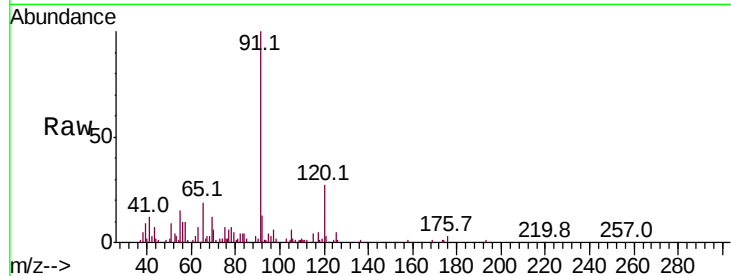
ClientSampled :

Tot Ion:120 Resp: 15456

Ion Ratio Lower Upper

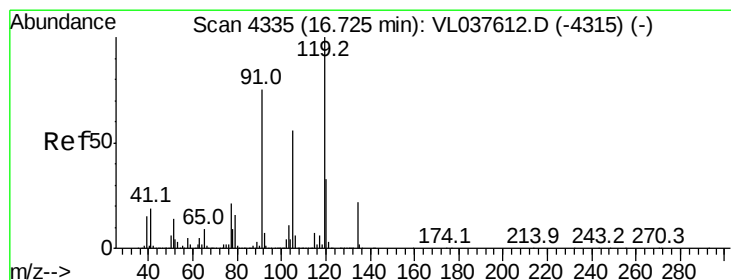
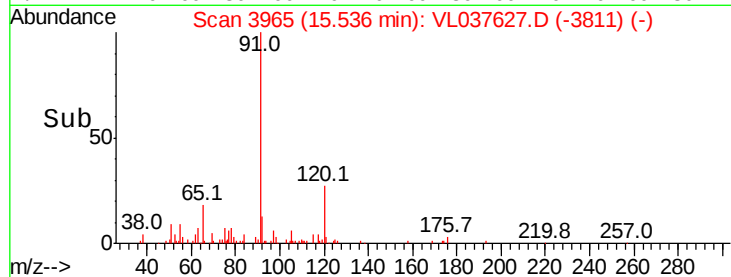
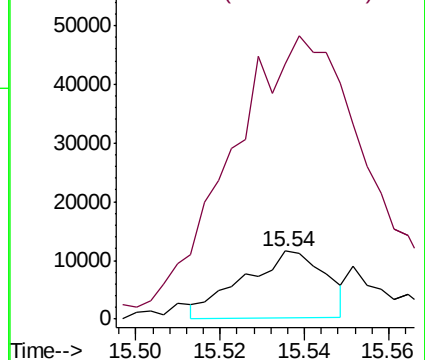
120 100

91 821.5 345.0 517.4#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.063 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. 0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

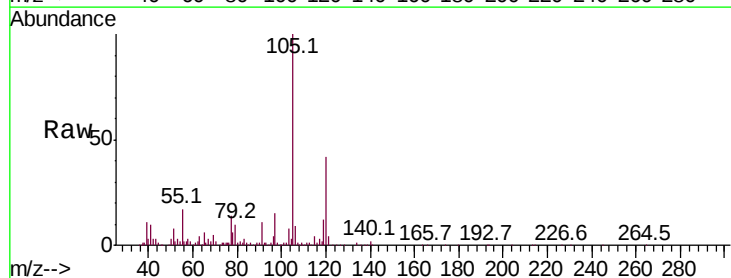
Tgt Ion:119 Resp: 33589

Ion Ratio Lower Upper

119 100

91 174.2 61.9 92.9#

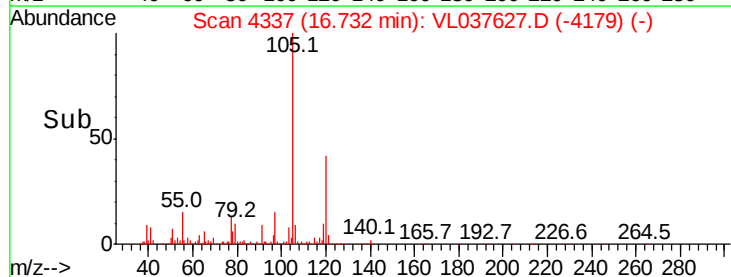
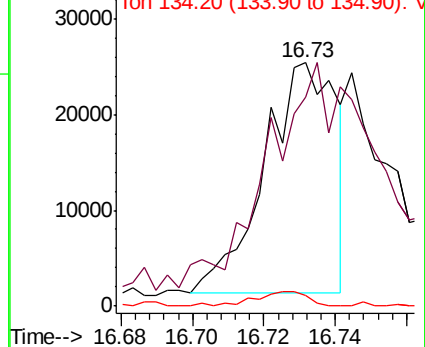
134 5.1 16.5 24.7#

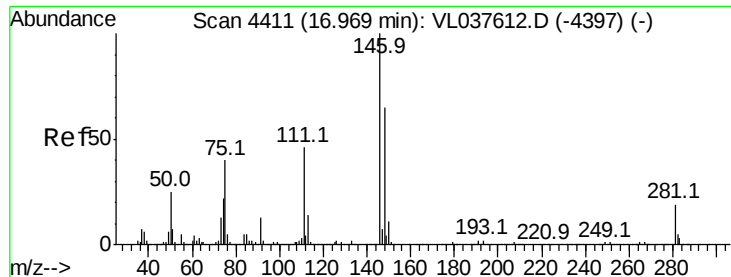


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

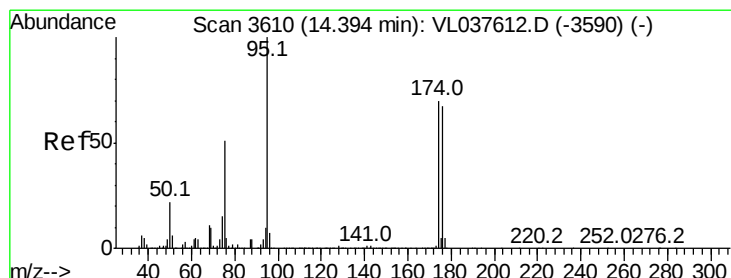
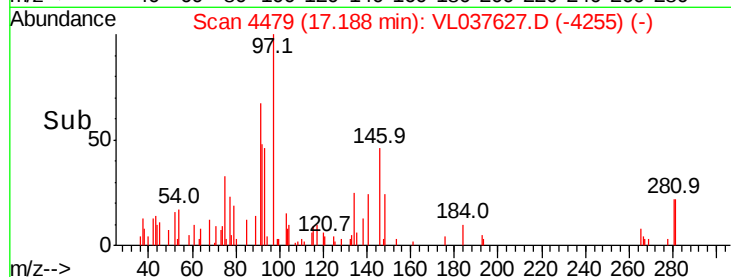
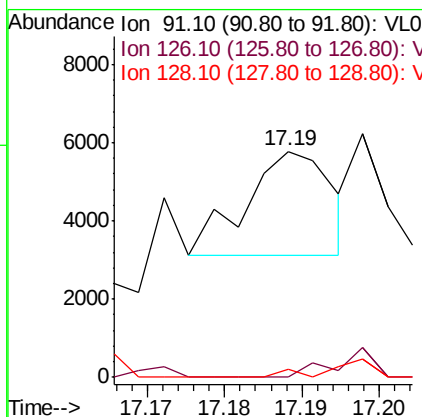
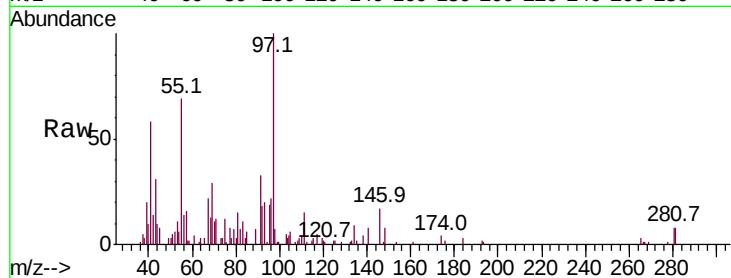




#66
Benzvl Chloride
Concen: 0.070 ppbv
RT: 17.19 min Scan# 4479
Delta R.T. 0.22 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

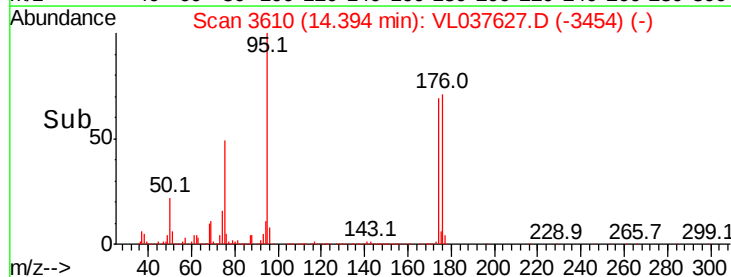
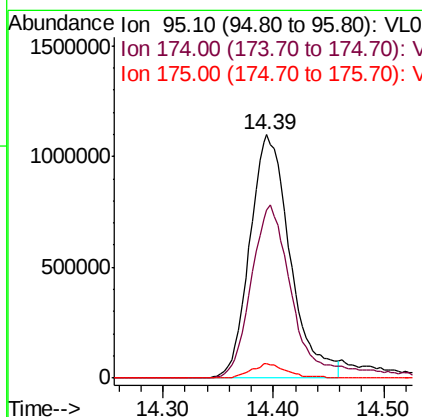
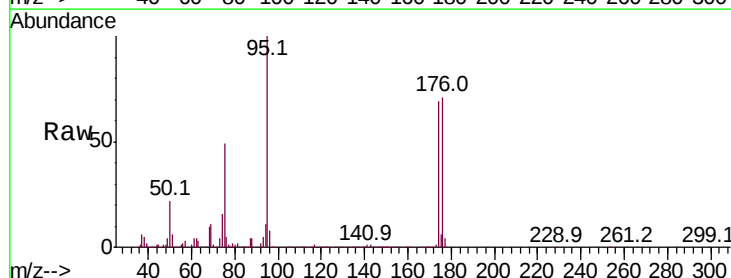
Instrument :
MSVOA_L
ClientSampled :

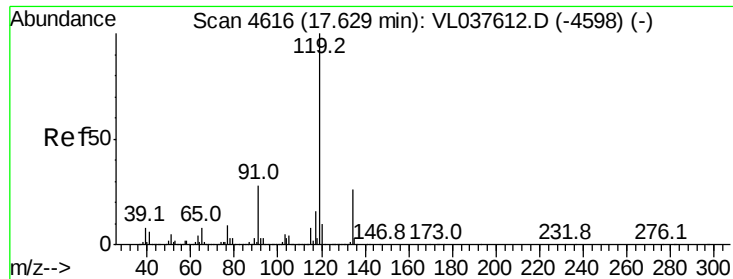
Tot Ion: 91 Resp: 2046
Ion Ratio Lower Upper
91 100
126 17.2 14.4 21.6
128 11.6 5.7 8.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.980 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Tgt Ion: 95 Resp: 2785905
Ion Ratio Lower Upper
95 100
174 75.8 56.3 84.5
175 5.3 4.4 6.6

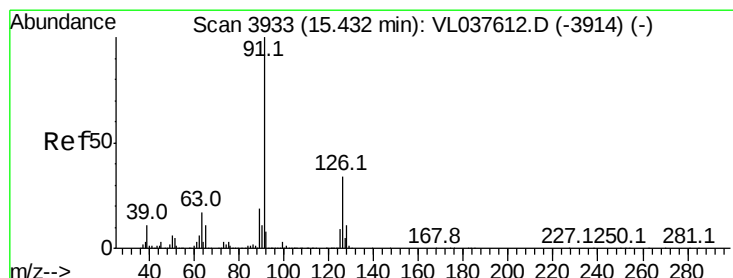
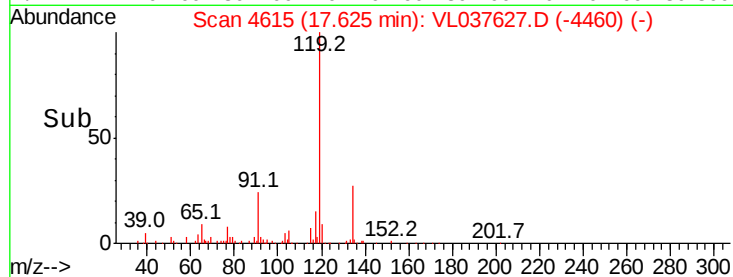
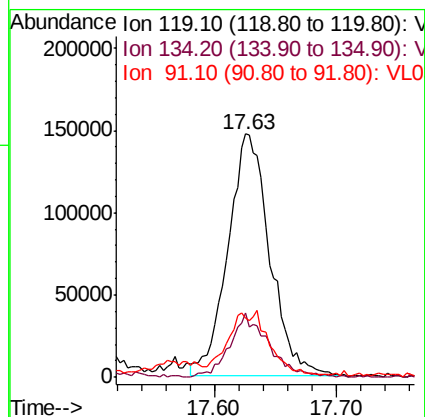
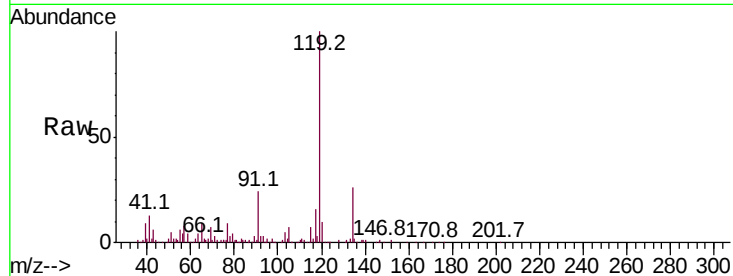




#69
p-Isopropyltoluene
Concen: 0.590 ppbv
RT: 17.63 min Scan# 4615
Delta R.T. -0.00 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

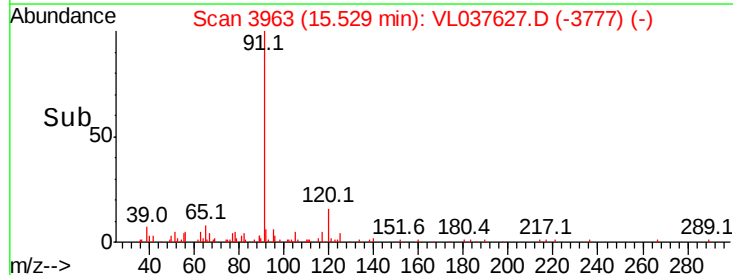
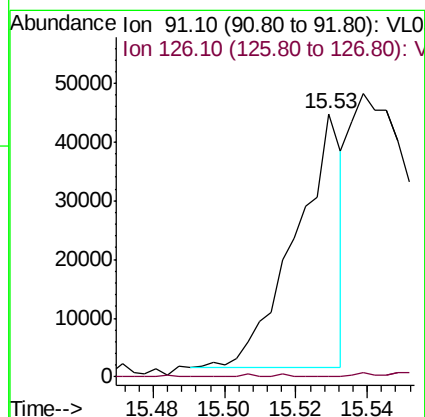
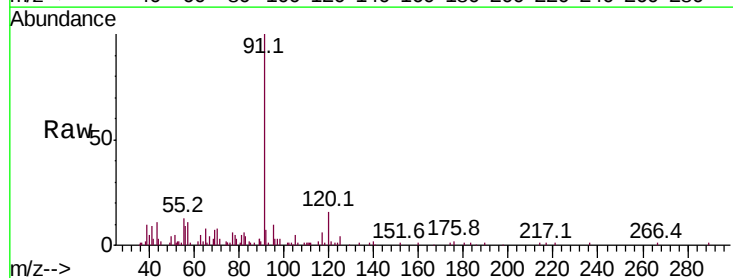
Instrument :
MSVOA_L
ClientSampleId :

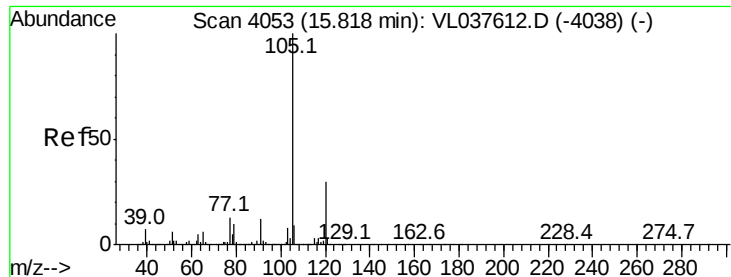
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	21.2	31.8
91	26.6	22.2	33.2



#71
2-Chlorotoluene
Concen: 0.092 ppbv
RT: 15.53 min Scan# 3963
Delta R.T. 0.10 min
Lab File: VL037627.D
Acq: 16 Sep 2021 22:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.2	52.8





#72

4-Ethyltoluene

Concen: 0.153 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 74504

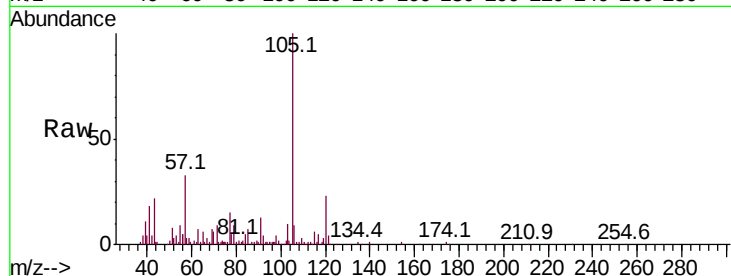
Ion Ratio Lower Upper

105 100

120 0.0 24.7 37.1#

91 0.0 9.9 14.9#

77 35.8 10.5 15.7#

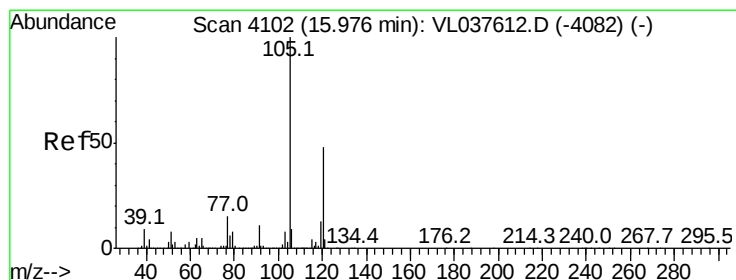
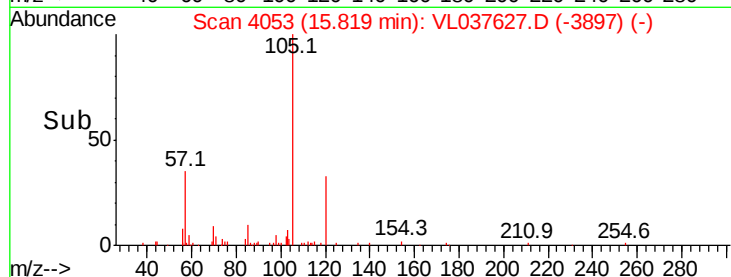
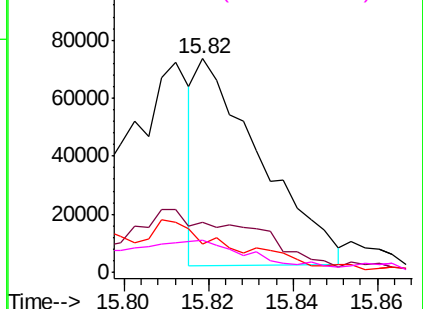


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.179 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.00 min

Lab File: VL037627.D

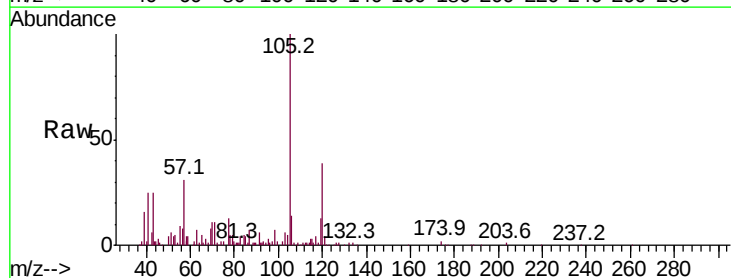
Acq: 16 Sep 2021 22:45

Tgt Ion:105 Resp: 81400

Ion Ratio Lower Upper

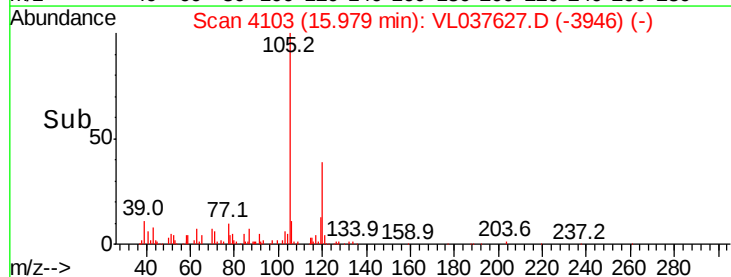
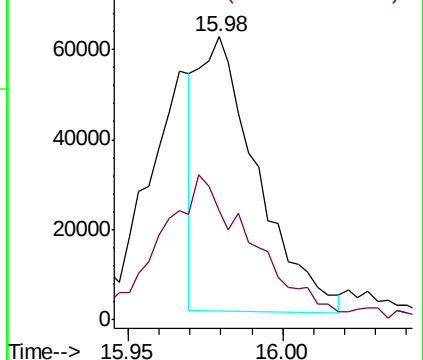
105 100

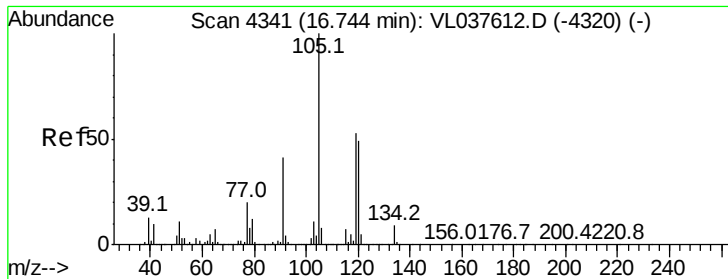
120 39.5 38.3 57.5



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: 1.024 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 490637

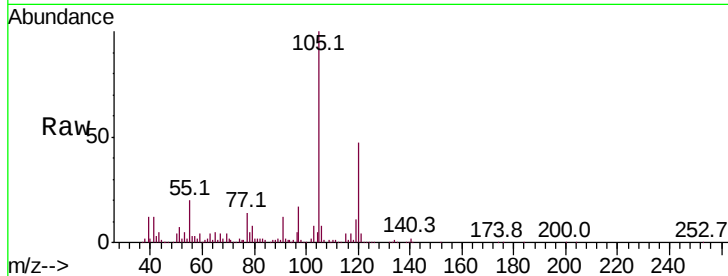
Ion Ratio Lower Upper

105 100

120 46.7 39.4 59.0

91 11.0 33.3 49.9#

77 13.2 15.7 23.5#

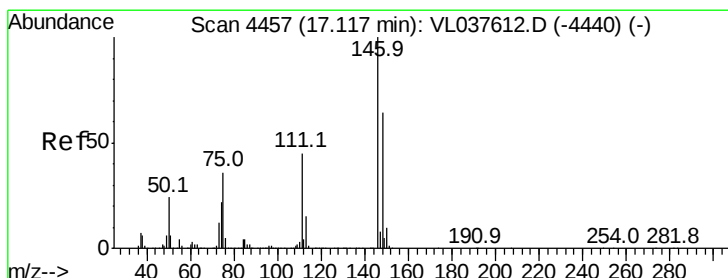
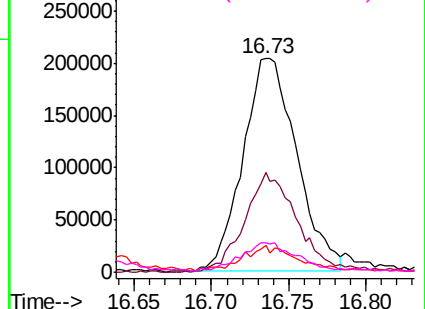
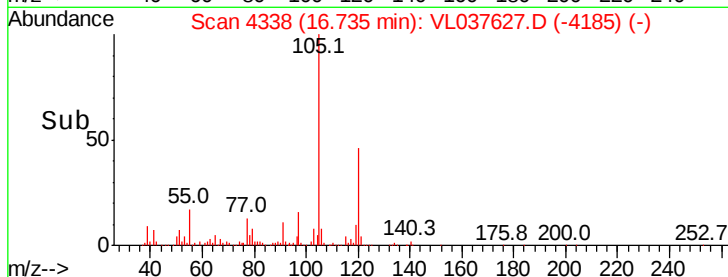


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.222 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

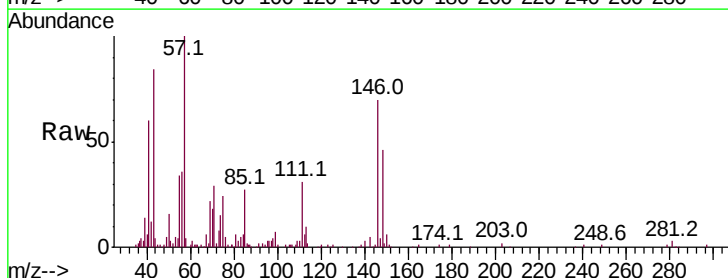
Tgt Ion:146 Resp: 65113

Ion Ratio Lower Upper

146 100

111 0.0 22.5 67.5#

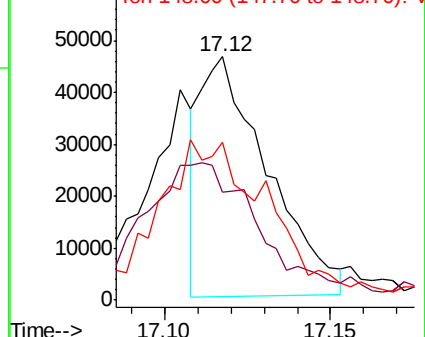
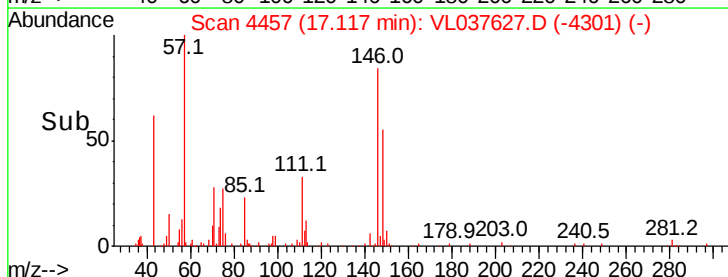
148 0.0 32.9 98.6#

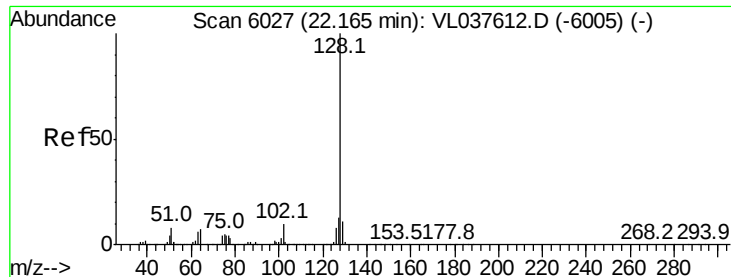


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.407 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

Instrument :

MSVOA_L

ClientSampled :

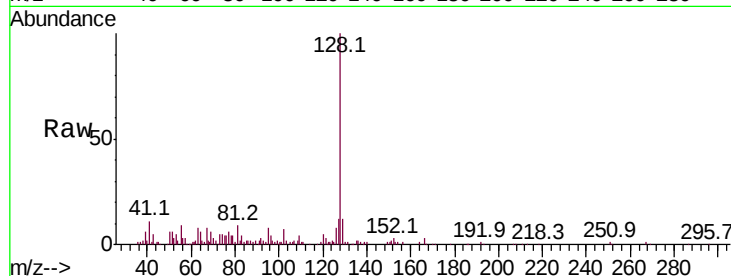
Tot Ion:128 Resp: 119744

Ion Ratio Lower Upper

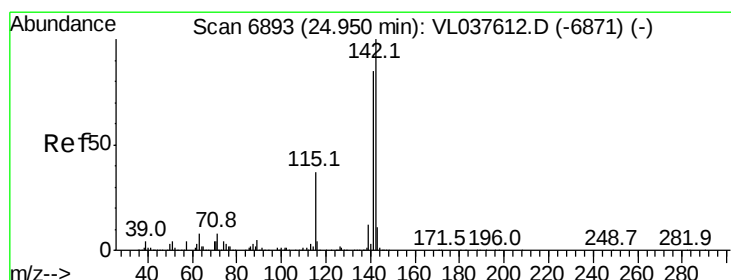
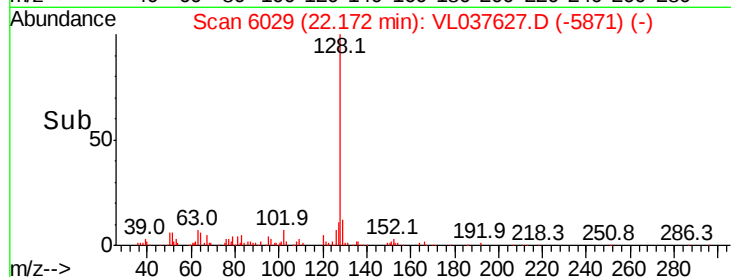
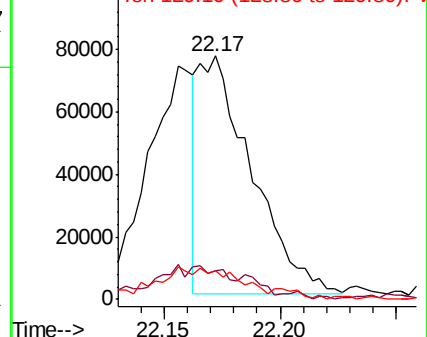
128 100

127 11.7 10.6 16.0

129 10.8 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.447 ppbv

RT: 24.94 min Scan# 6891

Delta R.T. -0.01 min

Lab File: VL037627.D

Acq: 16 Sep 2021 22:45

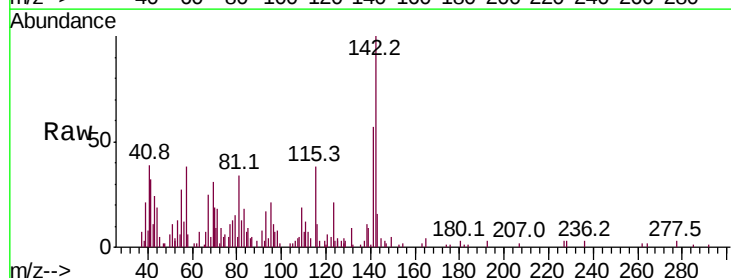
Tgt Ion:142 Resp: 30038

Ion Ratio Lower Upper

142 100

141 83.8 70.9 106.3

115 41.0 29.6 44.4



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

