

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041637.D
 Acq On : 10 Oct 2024 11:32
 Operator : SY/MD
 Sample : P4339-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 11 05:38:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1303223	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3472219	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3176144	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2446096	10.462	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.600%

Target Compounds					Qvalue	
3) Chlorodifluoromethane	2.848	51	14317	0.091	ppbv #	82
4) Chloromethane	2.790	50	38310	0.441	ppbv #	88
6) Bromomethane	3.099	94	1305	0.035	ppbv #	51
7) Chloroethane	3.172	64	1916	0.065	ppbv #	86
9) Propene	2.671	41	5527370	82.900	ppbv	95
10) Heptane	7.568	43	1089022	6.976	ppbv	97
11) Trichlorofluoromethane	3.539	101	6819	0.034	ppbv	95
13) Ethanol	3.214	45	372423	74.297	ppbv	94
15) Acetone	3.439	43	6178459	37.763	ppbv	92
16) 1,3-Butadiene	2.944	39	2707712	34.025	ppbv #	33
17) tert-Butyl alcohol	3.857	59	656633	4.563	ppbv	98
19) Isopropyl Alcohol	3.558	45	106962	1.277	ppbv #	92
20) Methylene Chloride	3.912	84	290643	4.729	ppbv	96
21) Allyl Chloride	3.963	41	65712	0.693	ppbv #	1
23) Vinyl Acetate	4.594	43	165644	1.841	ppbv #	1
25) Ethyl Acetate	5.195	43	638057	2.172	ppbv #	80
26) Hexane	5.195	57	797652	6.512	ppbv #	38
27) Carbon Disulfide	4.105	76	269275	2.068	ppbv	98
30) Cyclohexane	6.587	84	46148	0.489	ppbv #	47
34) 2-Butanone	4.764	43	1757184	10.613	ppbv	100
36) Benzene	6.352	78	859066	3.563	ppbv	98
39) 1,2-Dichloropropane	6.639	63	853189	8.697	ppbv #	24
41) Tetrahydrofuran	5.542	42	13178	0.145	ppbv #	1
42) Bromodichloromethane	7.237	83	13730	0.071	ppbv #	25
43) Methyl Methacrylate	7.465	69	7754	0.090	ppbv #	1
44) 2,2,4-Trimethylpentane	7.311	57	232580	0.557	ppbv #	35
50) 4-Methyl-2-Pentanone	8.169	43	408199	1.597	ppbv	99
51) 2-Hexanone	9.532	43	245732	1.271	ppbv #	80
52) Tetrachloroethene	10.603	164	269711	3.089	ppbv	97
53) Toluene	9.208	91	3481030	13.599	ppbv	99
58) Ethyl Benzene	12.076	91	1299930	3.823	ppbv	96
59) m/p-Xylene	12.333	91	3323256	10.982	ppbv	96
60) o-Xylene	13.043	91	919710	3.170	ppbv	99
61) Styrene	12.883	104	17215	0.142	ppbv #	54
62) Isopropylbenzene	14.018	105	38301	0.087	ppbv	95
64) n-propylbenzene	14.905	120	7865	0.069	ppbv #	1
65) tert-Butylbenzene	16.092	119	24346	0.060	ppbv #	19
66) Benzyl Chloride	16.310	91	877	0.042	ppbv #	63
72) 4-Ethyltoluene	15.182	105	213704	0.630	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.339	105	95126	0.318	ppbv	89
74) 1,2,4-Trimethylbenzene	16.092	105	416217	1.187	ppbv #	67
79) Naphthalene	21.390	128	13954	0.054	ppbv	98
80) Naphthalene,2-methyl-	24.355	142	33961	0.188	ppbv	95

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Oct 11 05:38:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration

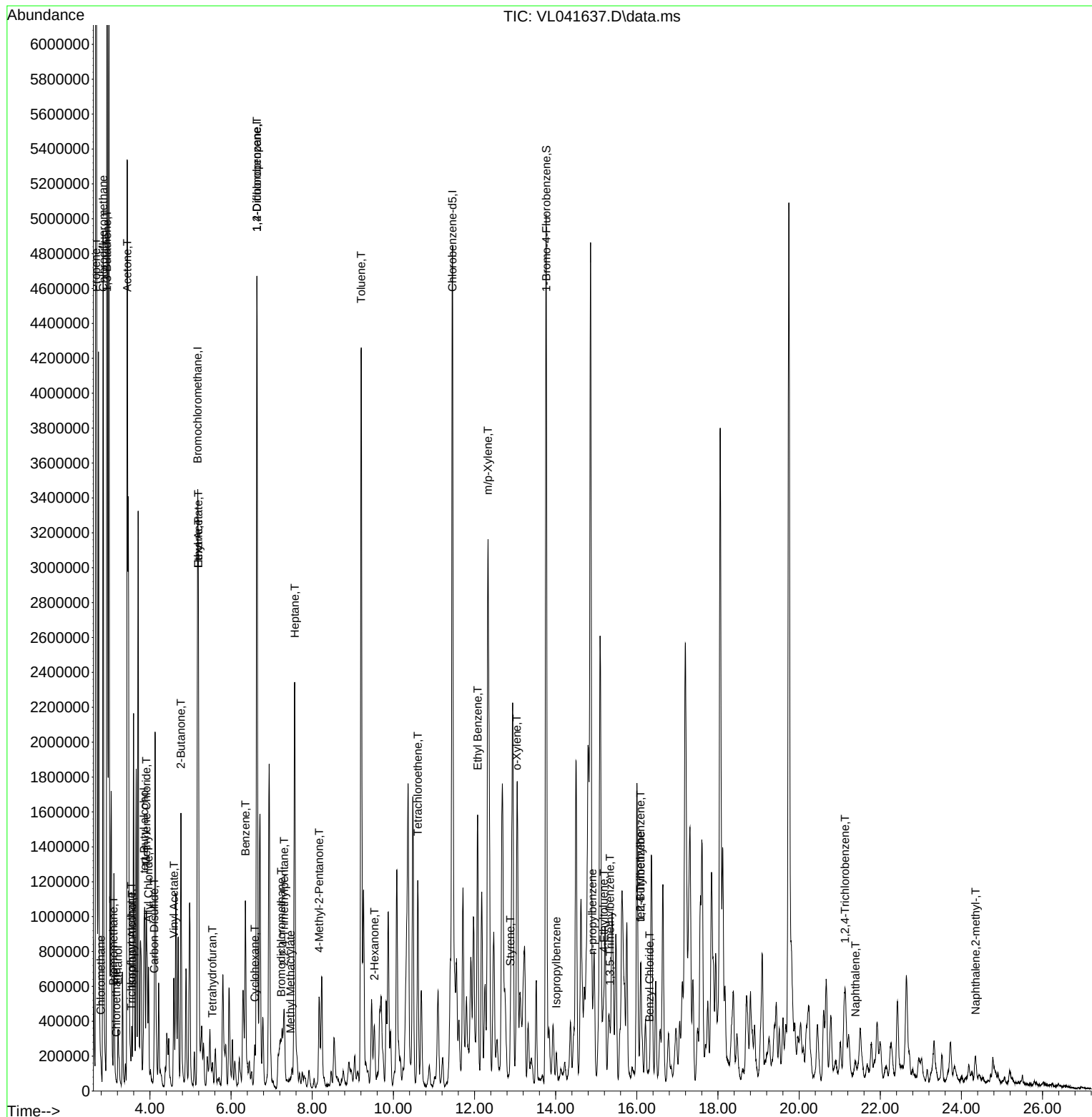
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) 1,2,4-Trichlorobenzene	21.130	180	6936	0.042	ppbv	# 1

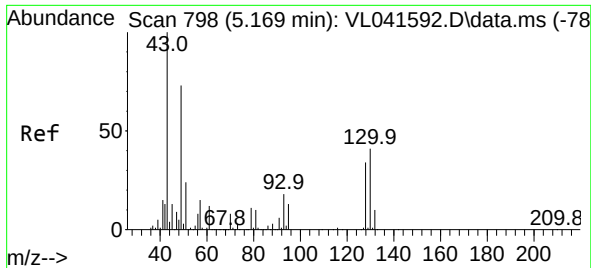
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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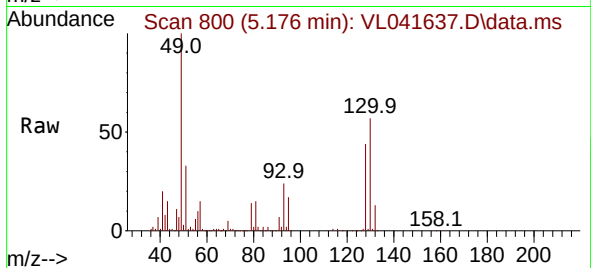
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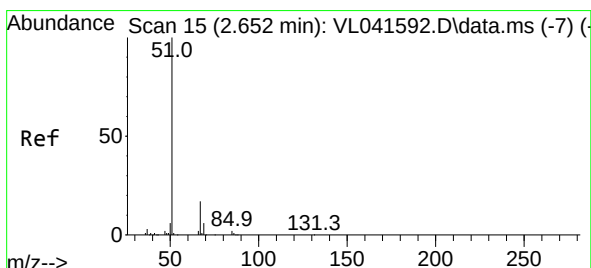
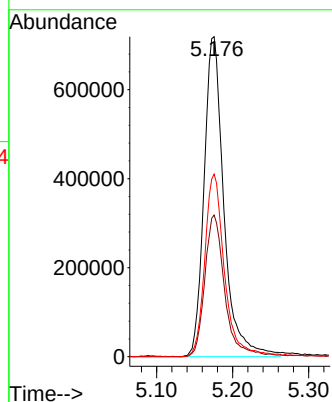
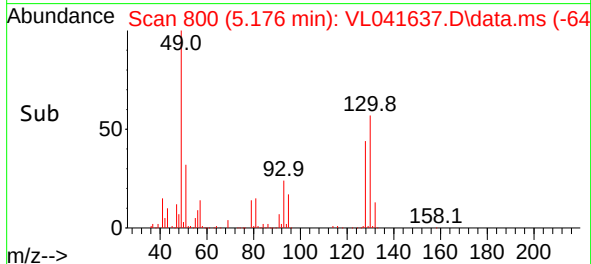


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :

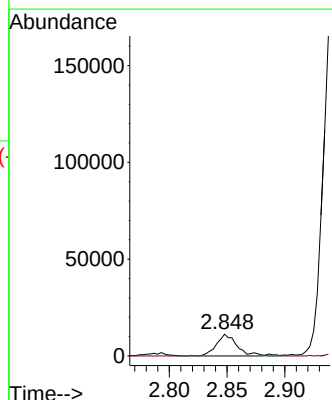
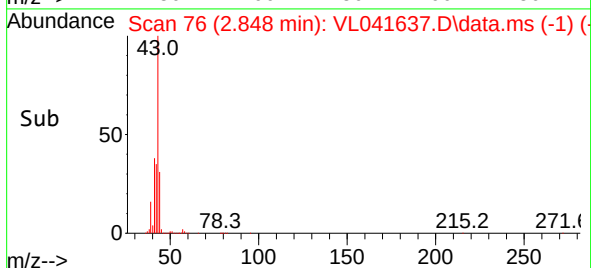
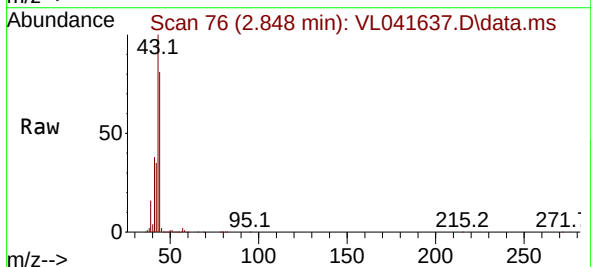


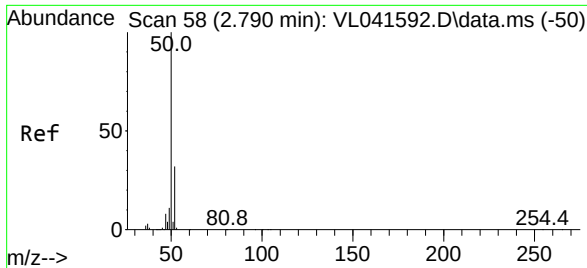
Tgt Ion: 49 Resp: 1303223
Ion Ratio Lower Upper
49 100
128 45.1 23.8 71.5
130 57.6 30.4 91.3



#3
Chlorodifluoromethane
Concen: 0.091 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.196 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 51 Resp: 14317
Ion Ratio Lower Upper
51 100
67 9.7 14.1 21.1#

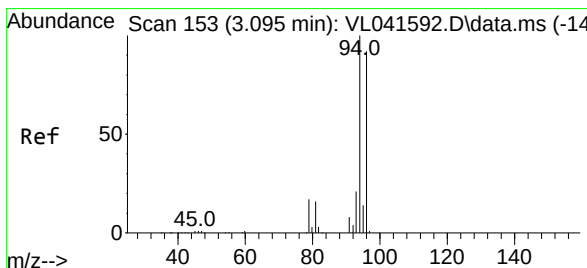
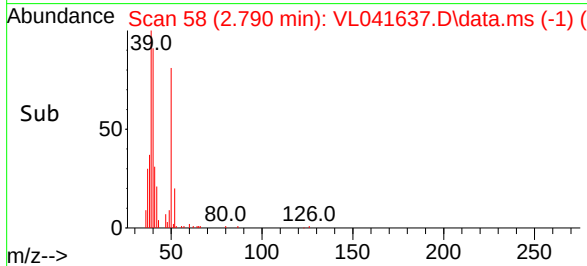
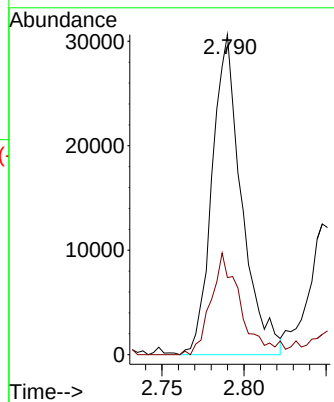
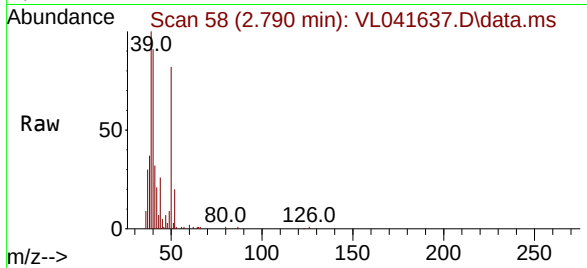




#4
Chloromethane
Concen: 0.441 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.000 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

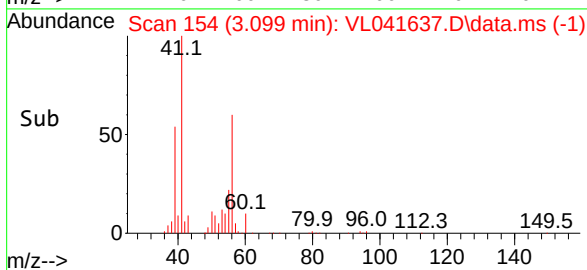
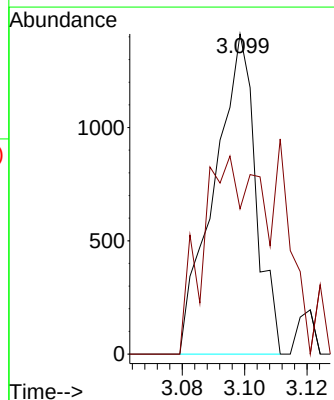
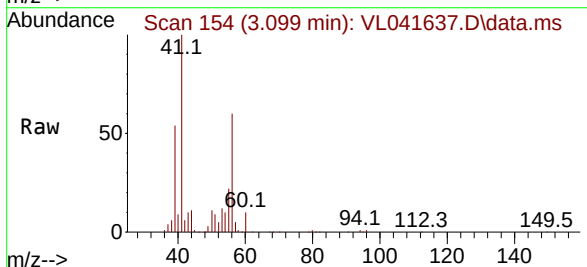
Instrument :
MSVOA_L
ClientSampleId :

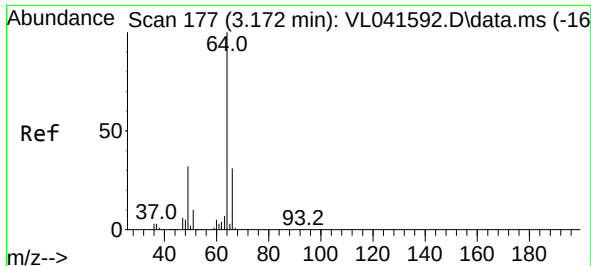
Tgt Ion: 50 Resp: 38310
Ion Ratio Lower Upper
50 100
52 24.9 25.4 38.2#



#6
Bromomethane
Concen: 0.035 ppbv
RT: 3.099 min Scan# 154
Delta R.T. 0.003 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 94 Resp: 1305
Ion Ratio Lower Upper
94 100
96 45.4 73.4 110.2#

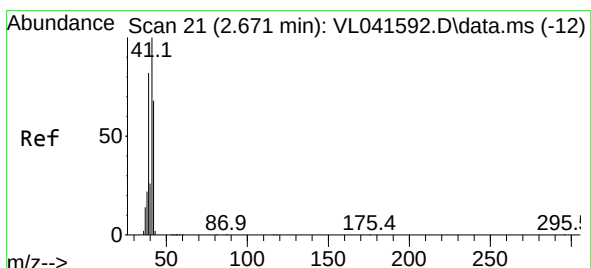
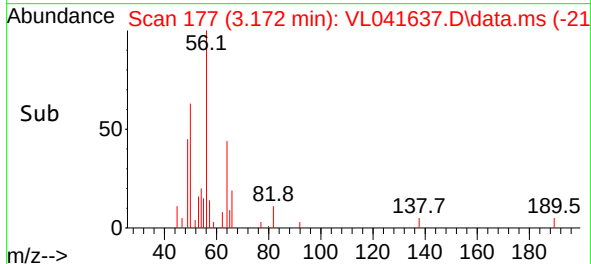
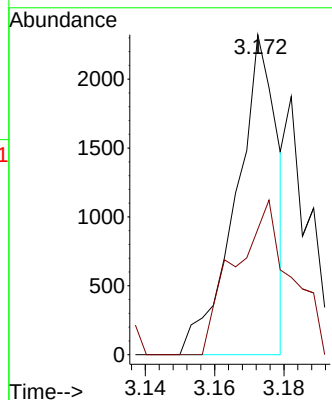
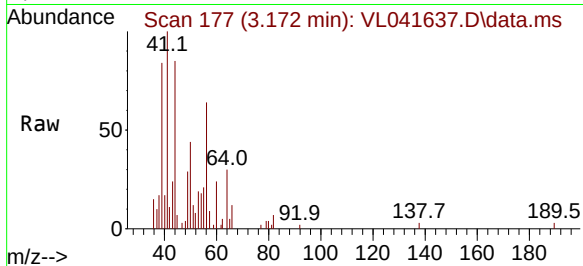




#7
Chloroethane
Concen: 0.065 ppbv
RT: 3.172 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

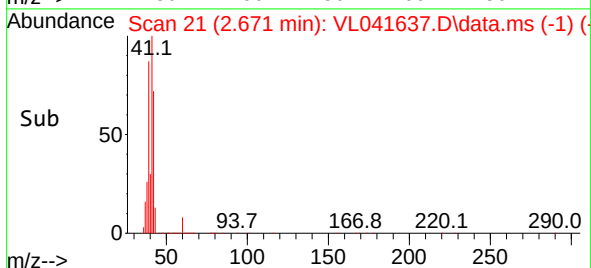
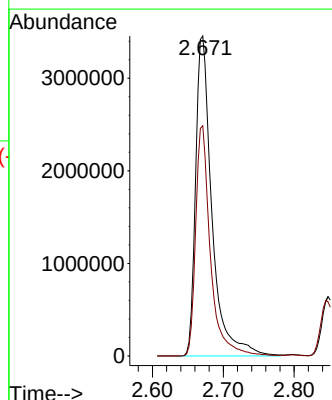
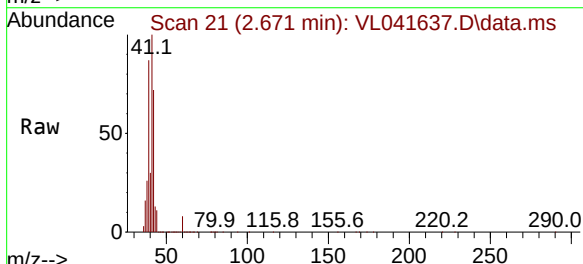
Instrument :
MSVOA_L
ClientSampleId :

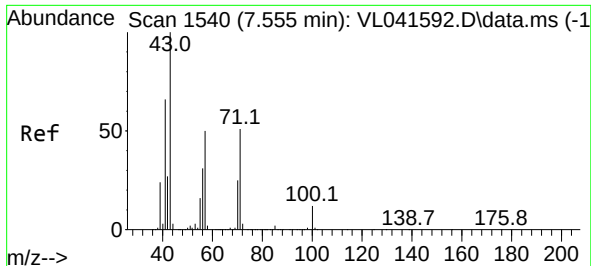
Tgt Ion: 64 Resp: 1916
Ion Ratio Lower Upper
64 100
66 39.2 25.1 37.7#



#9
Propene
Concen: 82.900 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 41 Resp: 5527370
Ion Ratio Lower Upper
41 100
42 65.2 55.2 82.8

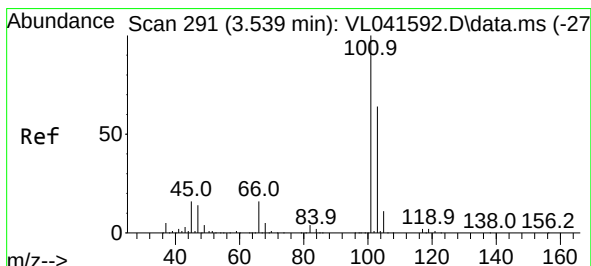
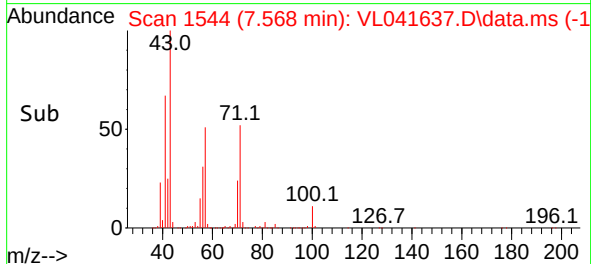
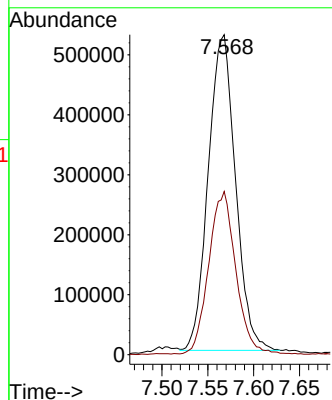
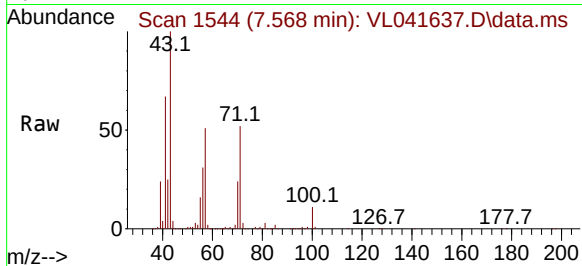




#10
 Heptane
 Concen: 6.976 ppbv
 RT: 7.568 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VL041637.D
 Acq: 10 Oct 2024 11:32

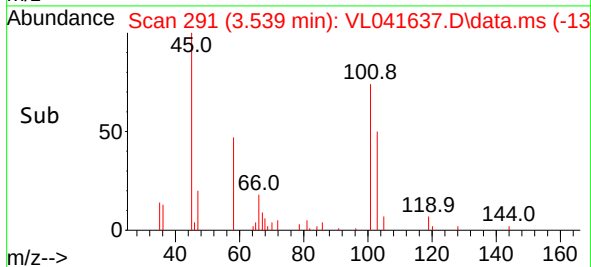
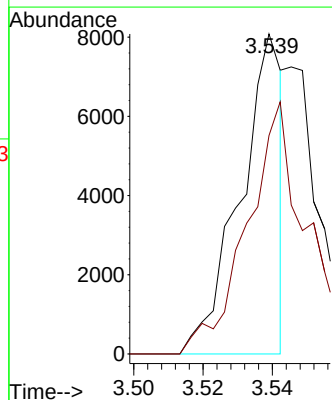
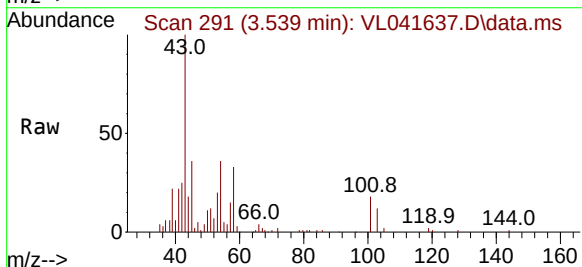
Instrument :
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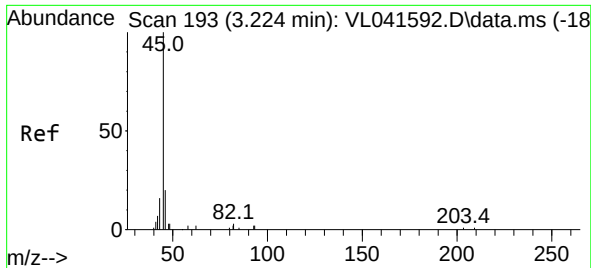
Tgt Ion: 43 Resp: 1089022
 Ion Ratio Lower Upper
 43 100
 57 51.6 39.8 59.8



#11
 Trichlorofluoromethane
 Concen: 0.034 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.000 min
 Lab File: VL041637.D
 Acq: 10 Oct 2024 11:32

Tgt Ion:101 Resp: 6819
 Ion Ratio Lower Upper
 101 100
 103 68.2 51.2 76.8

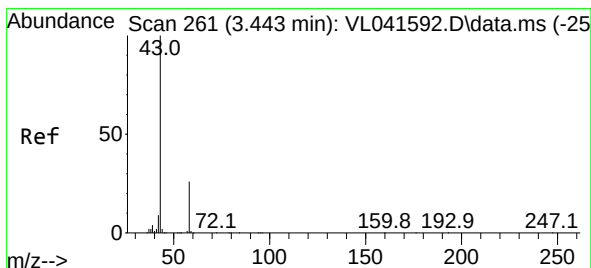
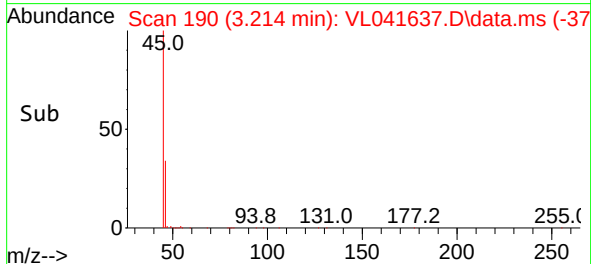
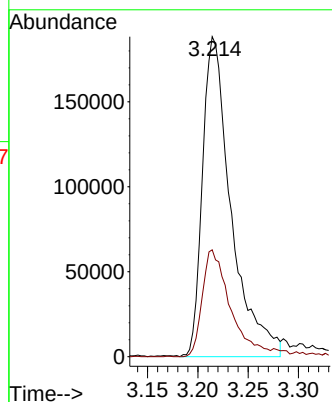
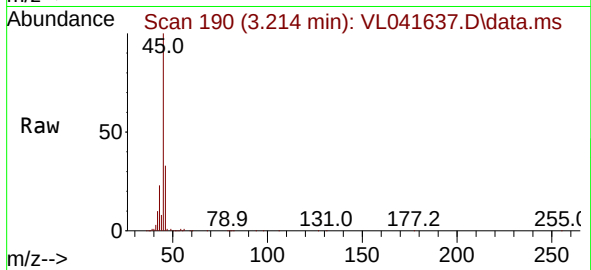




#13
 Ethanol
 Concen: 74.297 ppbv
 RT: 3.214 min Scan# 190
 Delta R.T. -0.010 min
 Lab File: VL041637.D
 Acq: 10 Oct 2024 11:32

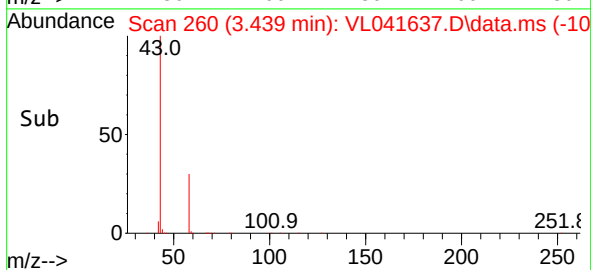
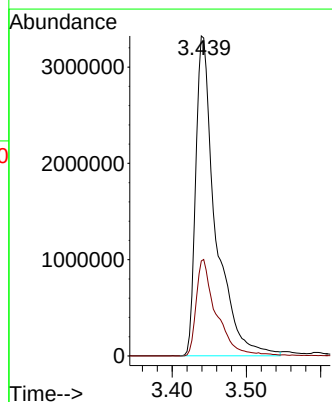
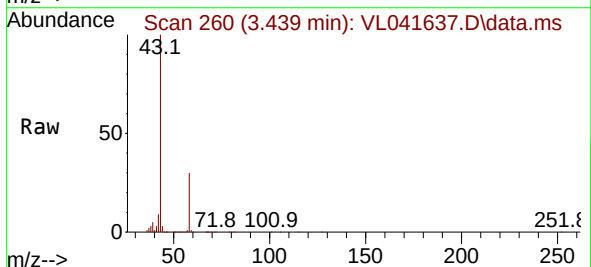
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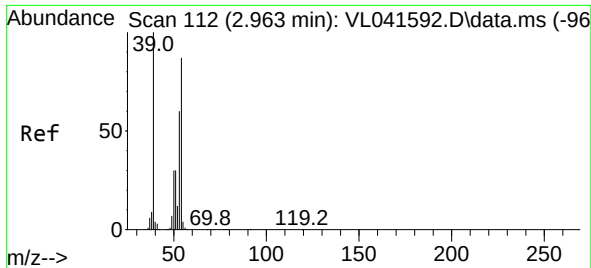
Tgt Ion: 45 Resp: 372423
 Ion Ratio Lower Upper
 45 100
 46 34.5 15.2 60.8



#15
 Acetone
 Concen: 37.763 ppbv
 RT: 3.439 min Scan# 260
 Delta R.T. -0.003 min
 Lab File: VL041637.D
 Acq: 10 Oct 2024 11:32

Tgt Ion: 43 Resp: 6178459
 Ion Ratio Lower Upper
 43 100
 58 31.2 21.5 32.3

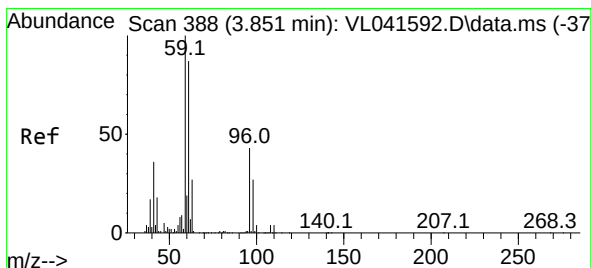
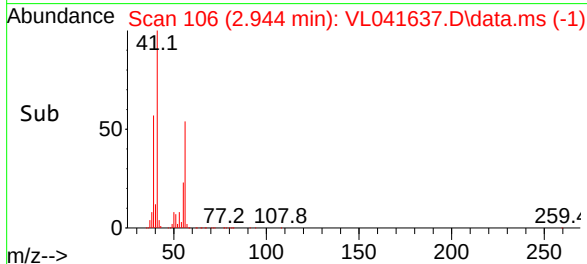
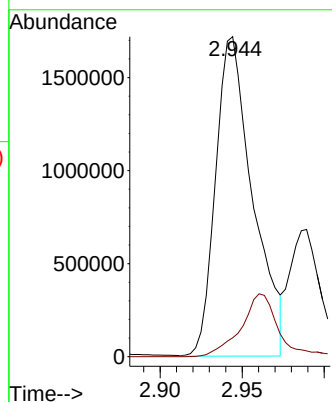
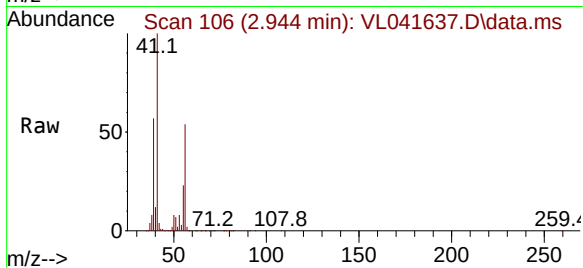




#16
1,3-Butadiene
Concen: 34.025 ppbv
RT: 2.944 min Scan# 106
Delta R.T. -0.019 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

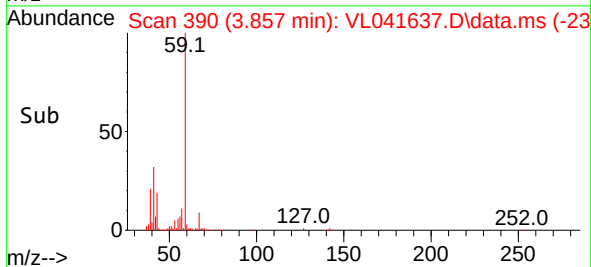
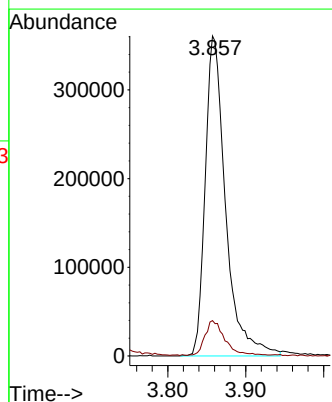
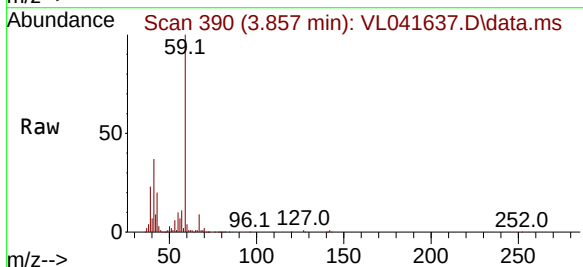
Instrument :
MSVOA_L
ClientSampleId :

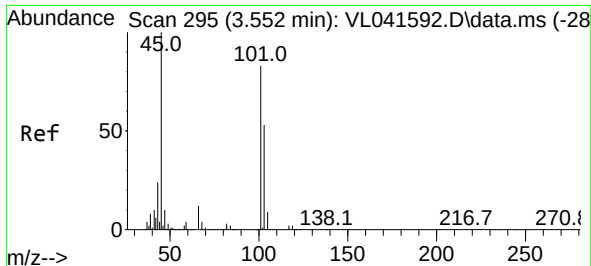
Tgt Ion: 39 Resp: 2707712
Ion Ratio Lower Upper
39 100
54 20.0 62.9 94.3#



#17
tert-Butyl alcohol
Concen: 4.563 ppbv
RT: 3.857 min Scan# 390
Delta R.T. 0.006 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 59 Resp: 656633
Ion Ratio Lower Upper
59 100
57 11.7 8.7 13.1

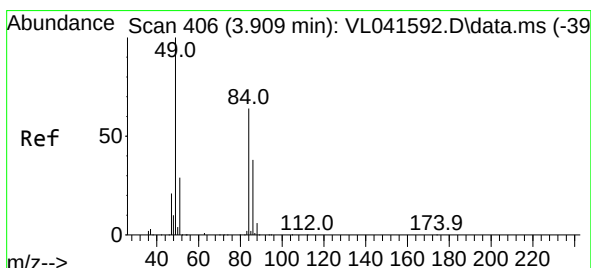
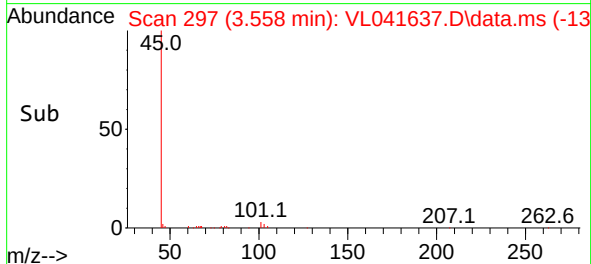
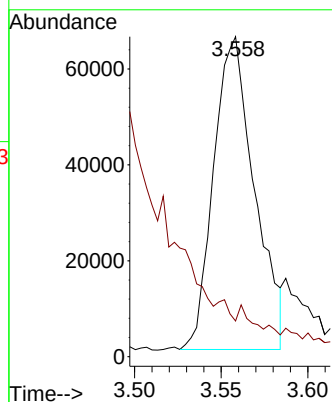
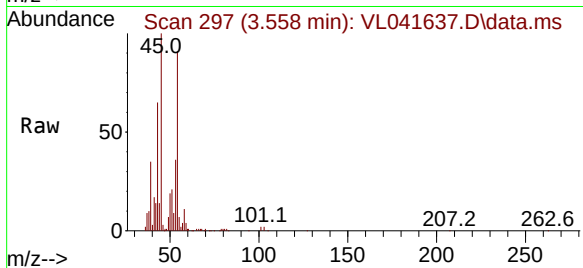




#19
Isopropyl Alcohol
Concen: 1.277 ppbv
RT: 3.558 min Scan# 295
Delta R.T. 0.006 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

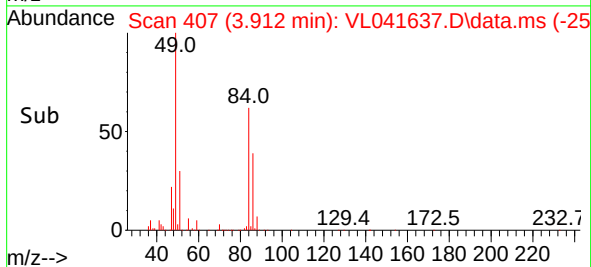
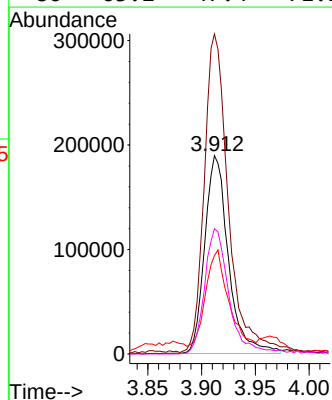
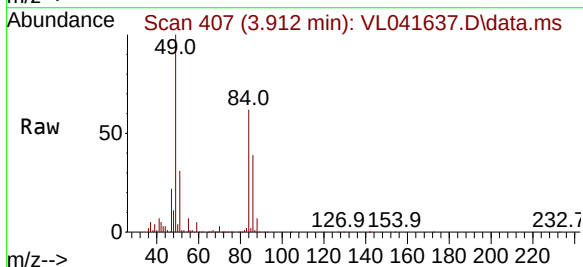
Instrument :
MSVOA_L
ClientSampleId :

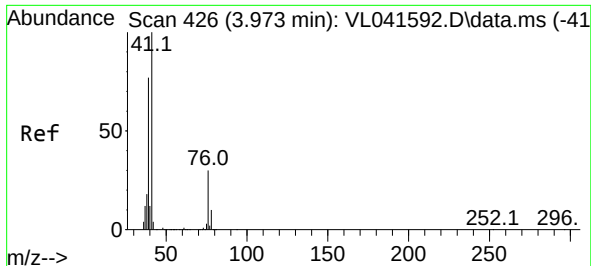
Tgt Ion: 45 Resp: 106962
Ion Ratio Lower Upper
45 100
58 0.0 2.1 3.1#



#20
Methylene Chloride
Concen: 4.729 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.003 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 84 Resp: 290643
Ion Ratio Lower Upper
84 100
49 161.0 124.3 186.5
51 44.5 36.3 54.5
86 63.2 47.4 71.2





#21

Allyl Chloride

Concen: 0.693 ppbv

RT: 3.963 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

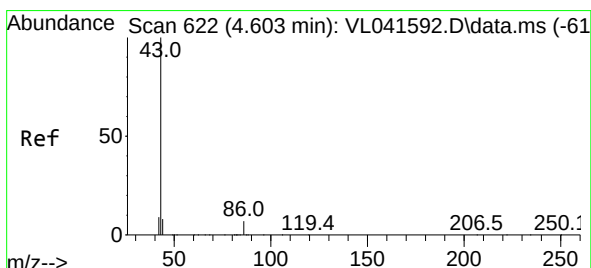
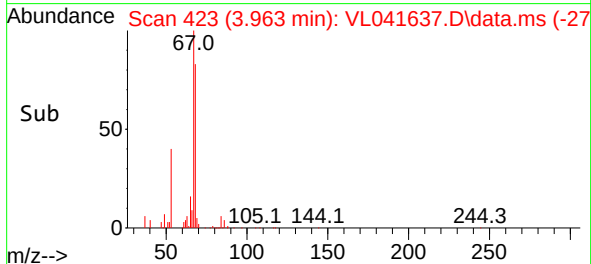
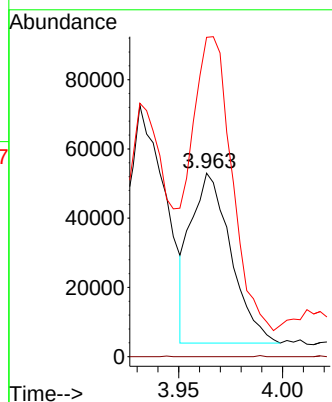
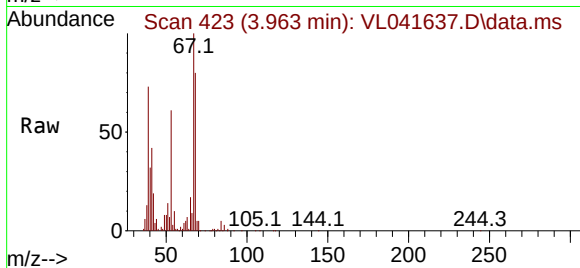
Tgt Ion: 41 Resp: 65712

Ion Ratio Lower Upper

41 100

76 0.0 23.8 35.6#

39 339.6 63.9 95.9#



#23

Vinyl Acetate

Concen: 1.841 ppbv

RT: 4.594 min Scan# 619

Delta R.T. -0.010 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Tgt Ion: 43 Resp: 165644

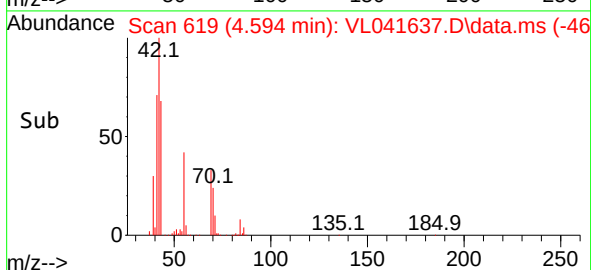
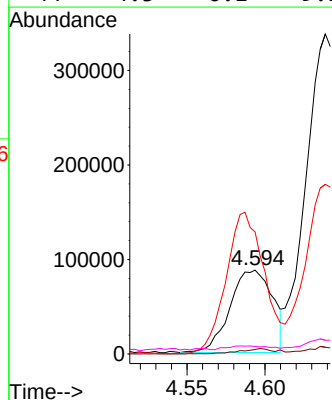
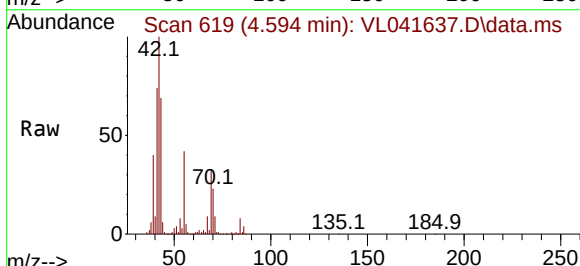
Ion Ratio Lower Upper

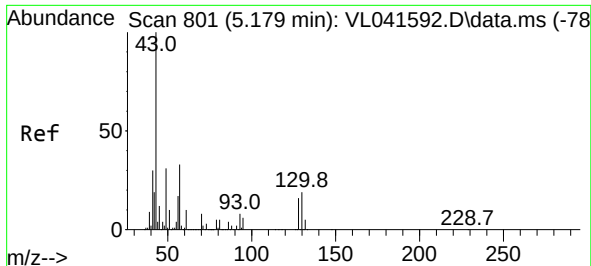
43 100

86 5.5 4.9 7.3

42 147.5 8.0 12.0#

44 4.3 6.1 9.1#

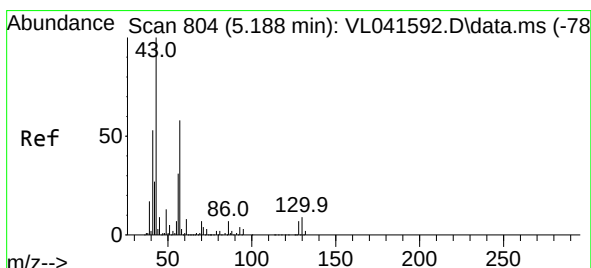
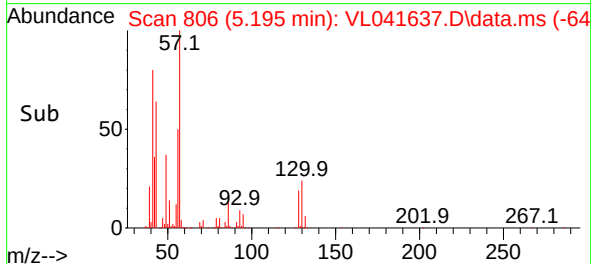
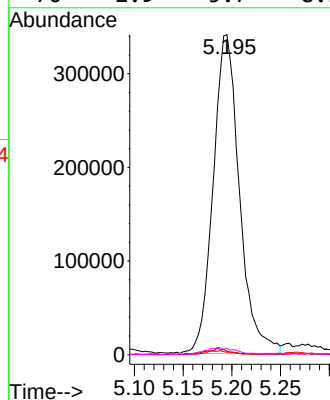
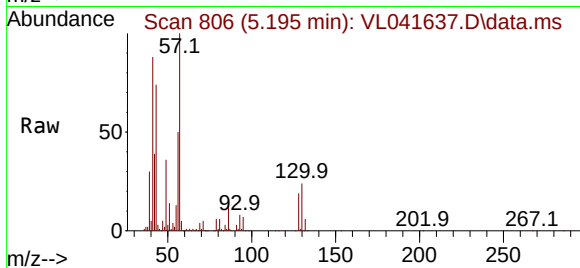




#25
Ethyl Acetate
Concen: 2.172 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.016 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

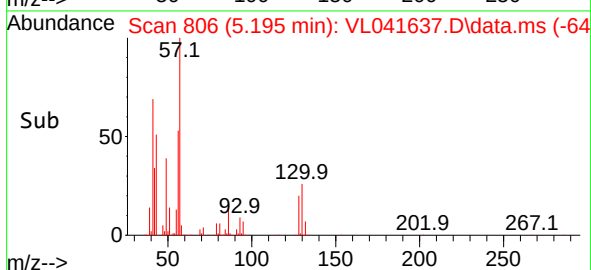
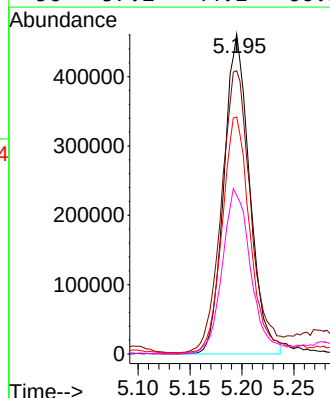
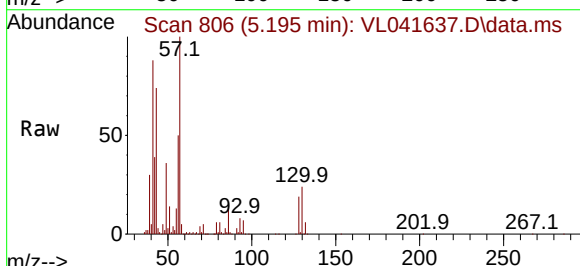
Instrument :
MSVOA_1
ClientSampleId :

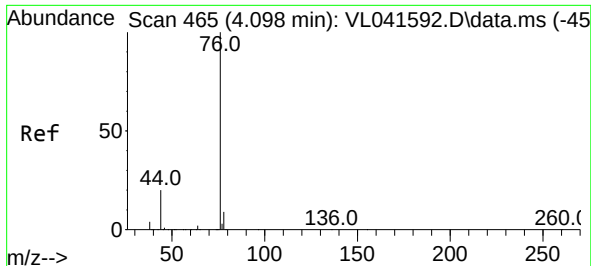
Tgt Ion: 43	Resp: 638057
Ion Ratio	Lower Upper
43 100	
45 1.8	8.2 12.2#
61 1.3	8.0 12.0#
70 2.9	5.7 8.5#



#26
Hexane
Concen: 6.512 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.006 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

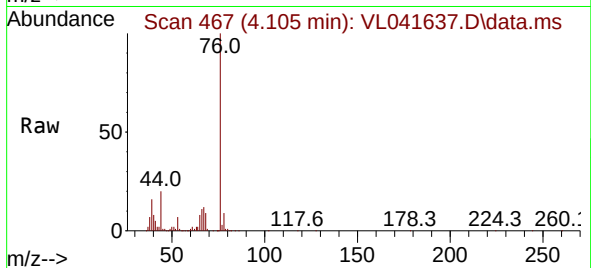
Tgt Ion: 57	Resp: 797652
Ion Ratio	Lower Upper
57 100	
41 101.3	75.7 113.5
43 80.9	198.5 297.7#
56 57.2	44.1 66.1



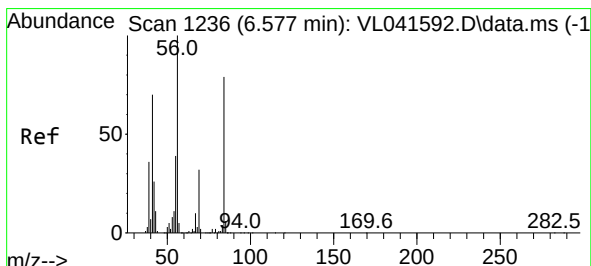
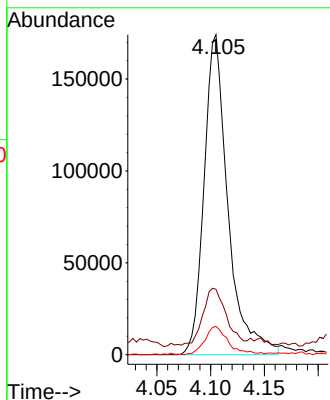
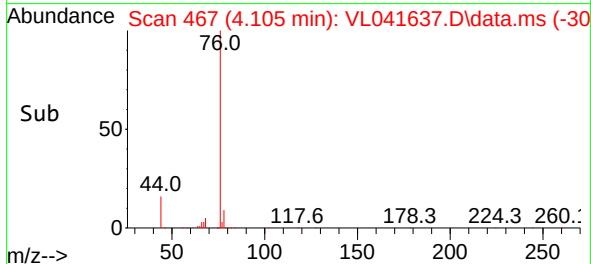


#27
Carbon Disulfide
Concen: 2.068 ppbv
RT: 4.105 min Scan# 467
Delta R.T. 0.006 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

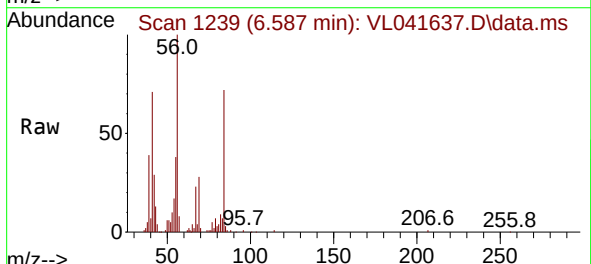
Instrument :
MSVOA_L
ClientSampleId :



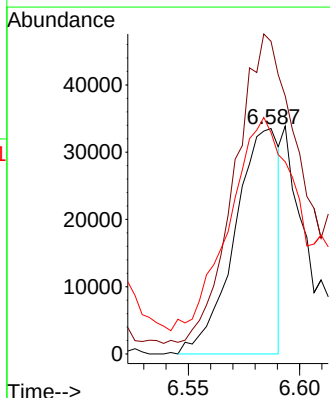
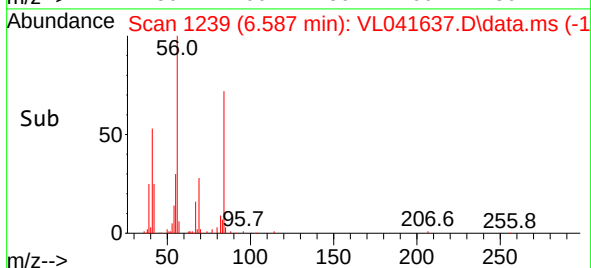
Tgt Ion: 76 Resp: 269275
Ion Ratio Lower Upper
76 100
44 21.2 15.8 23.8
78 9.0 7.5 11.3

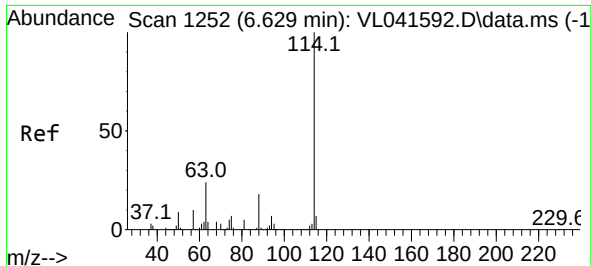


#30
Cyclohexane
Concen: 0.489 ppbv
RT: 6.587 min Scan# 1239
Delta R.T. 0.010 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32



Tgt Ion: 84 Resp: 46148
Ion Ratio Lower Upper
84 100
56 192.7 111.5 167.3#
41 150.4 70.9 106.3#



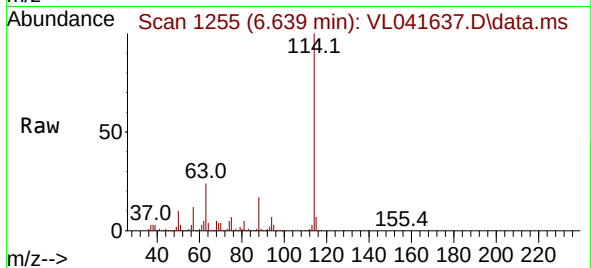


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

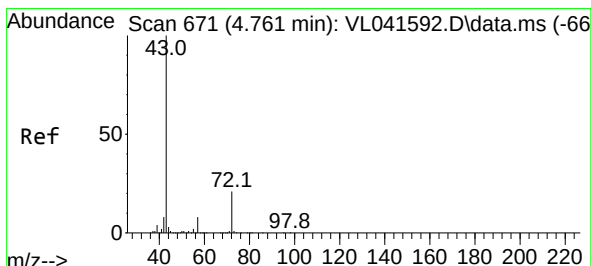
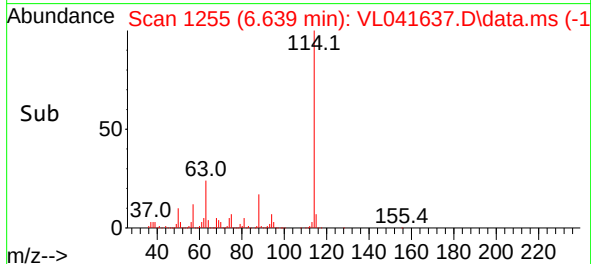
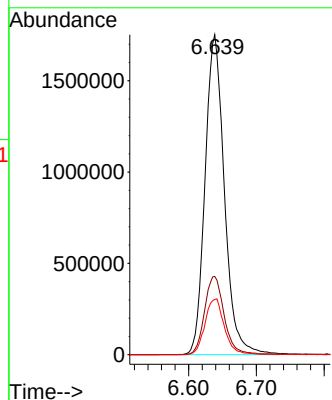
Instrument :

MSVOA_L

ClientSampleId :

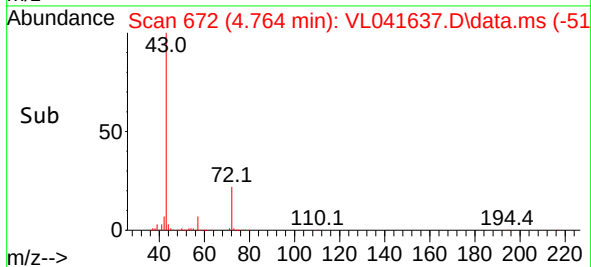
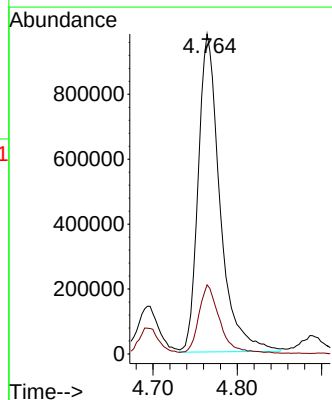
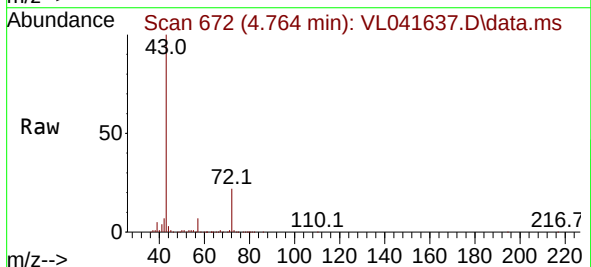


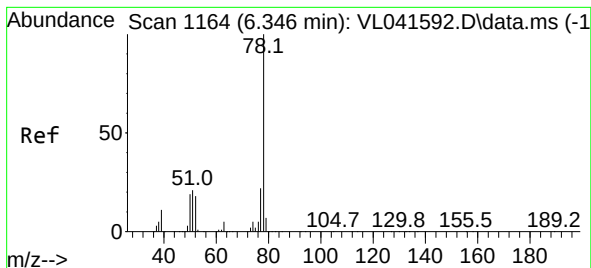
Tgt Ion:114 Resp: 3472219
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.2
88 17.7 14.2 21.4



#34
2-Butanone
Concen: 10.613 ppbv
RT: 4.764 min Scan# 672
Delta R.T. 0.003 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 43 Resp: 1757184
Ion Ratio Lower Upper
43 100
72 21.0 16.8 25.2





#36

Benzene

Concen: 3.563 ppbv

RT: 6.352 min Scan# 1166

Delta R.T. 0.006 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

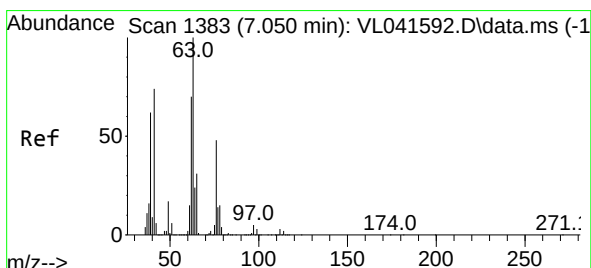
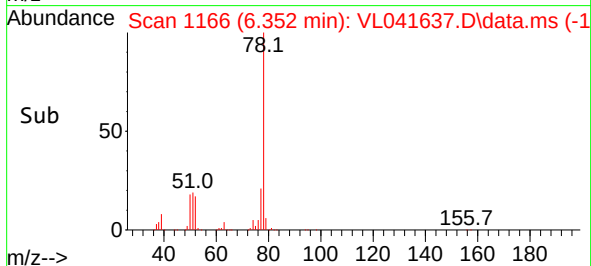
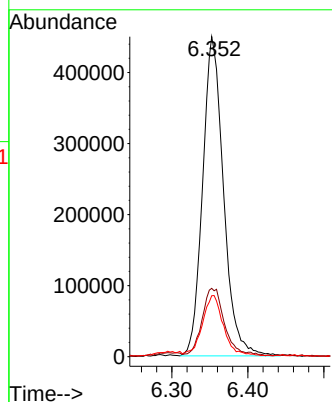
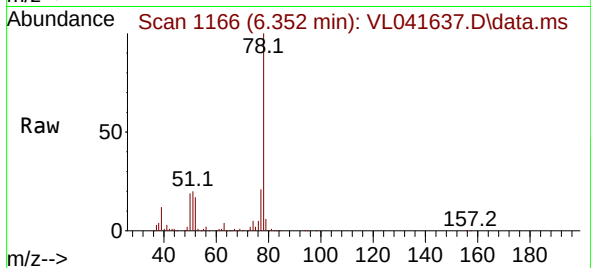
Tgt Ion: 78 Resp: 859066

Ion Ratio Lower Upper

78 100

77 20.9 17.8 26.6

50 18.7 15.4 23.0



#39

1,2-Dichloropropane

Concen: 8.697 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.412 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

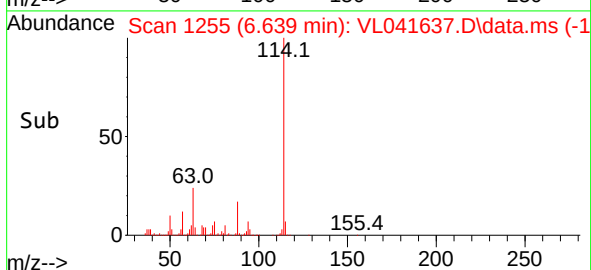
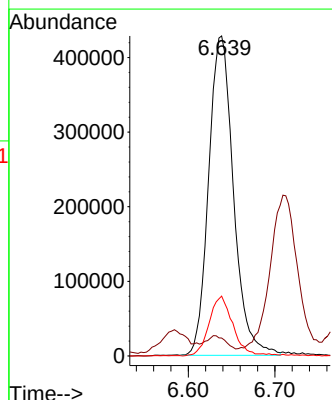
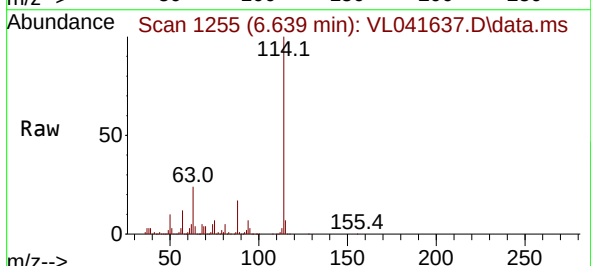
Tgt Ion: 63 Resp: 853189

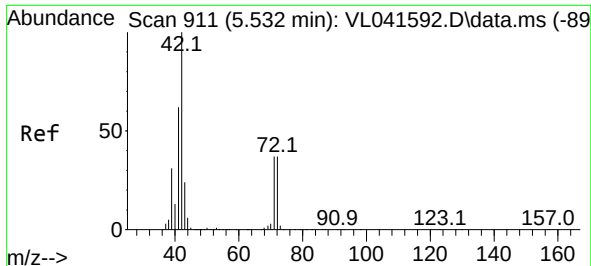
Ion Ratio Lower Upper

63 100

41 0.0 59.5 89.3#

62 18.7 56.2 84.2#

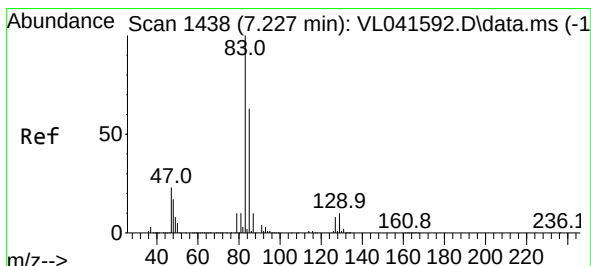
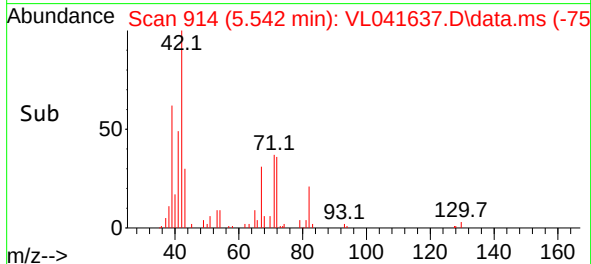
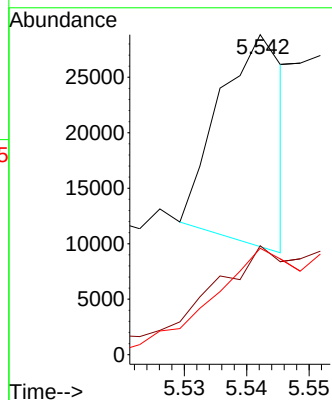
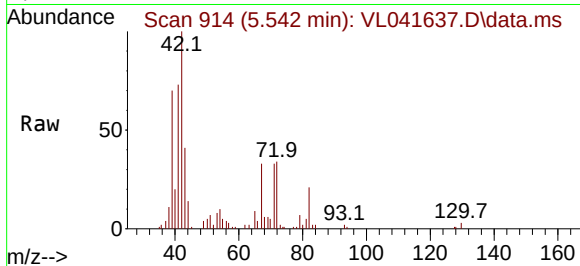




#41
Tetrahydrofuran
Concen: 0.145 ppbv
RT: 5.542 min Scan# 911
Delta R.T. 0.010 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

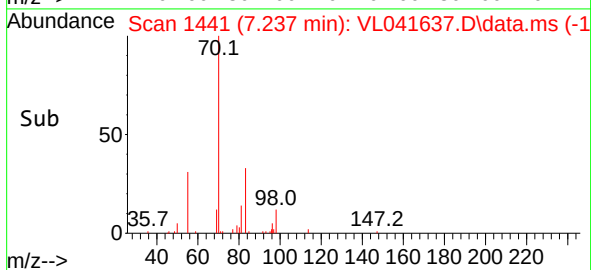
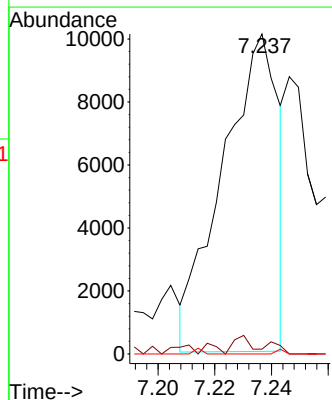
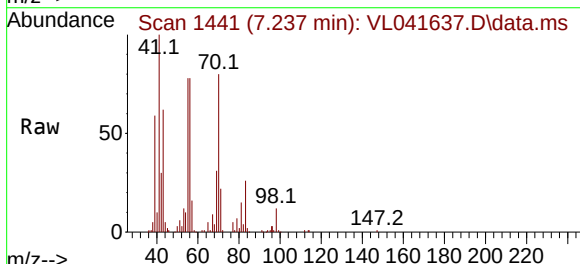
Instrument :
MSVOA_L
ClientSampleId :

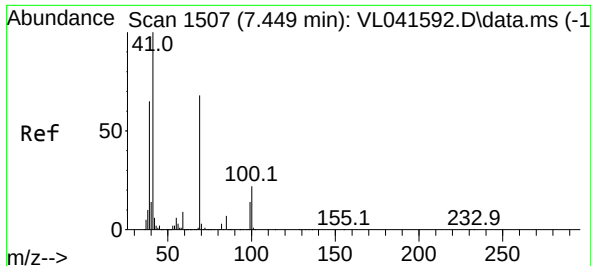
Tgt Ion: 42 Resp: 13178
Ion Ratio Lower Upper
42 100
72 176.0 30.2 45.2#
71 152.3 29.6 44.4#



#42
Bromodichloromethane
Concen: 0.071 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.010 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 83 Resp: 13730
Ion Ratio Lower Upper
83 100
85 0.0 50.5 75.7#
127 0.0 6.5 9.7#

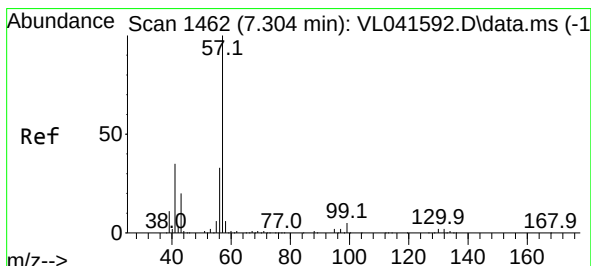
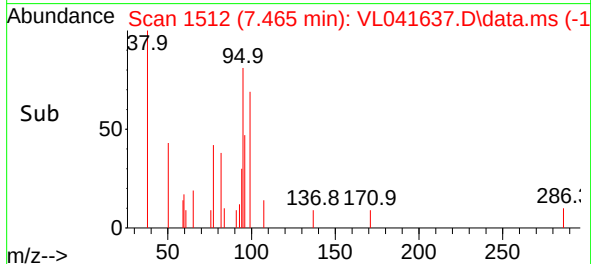
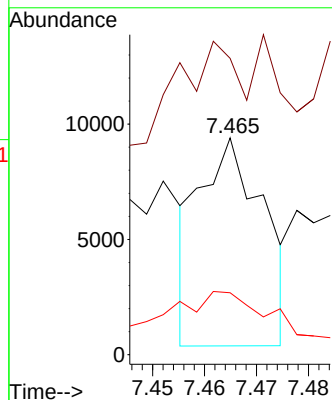
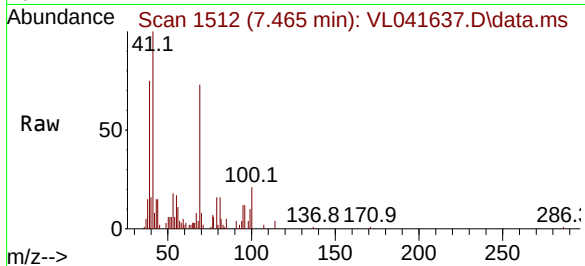




#43
Methyl Methacrylate
Concen: 0.090 ppbv
RT: 7.465 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

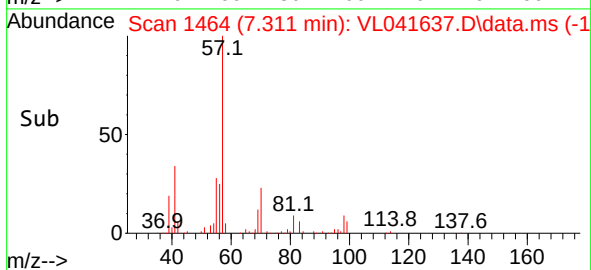
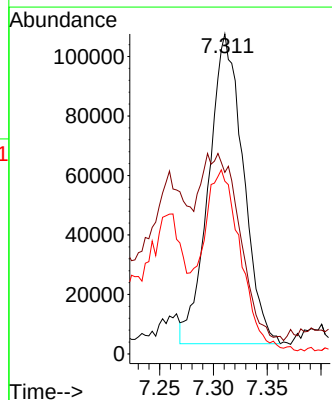
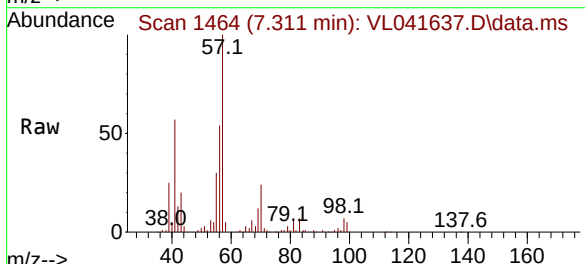
Instrument :
MSVOA_L
ClientSampleId :

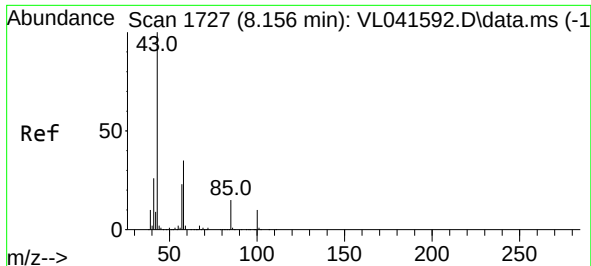
Tgt Ion: 69 Resp: 7754
Ion Ratio Lower Upper
69 100
41 0.0 121.8 182.6#
100 72.5 26.5 39.7#



#44
2,2,4-Trimethylpentane
Concen: 0.557 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 57 Resp: 232580
Ion Ratio Lower Upper
57 100
41 74.6 27.0 40.6#
56 63.9 25.5 38.3#

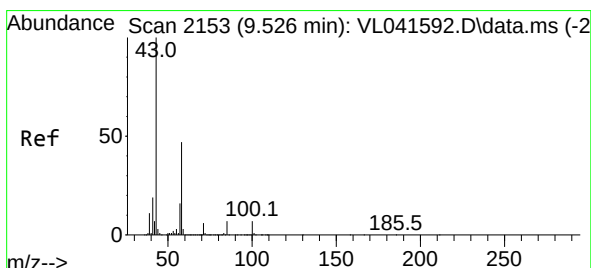
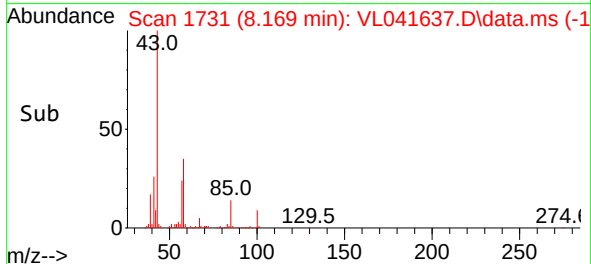
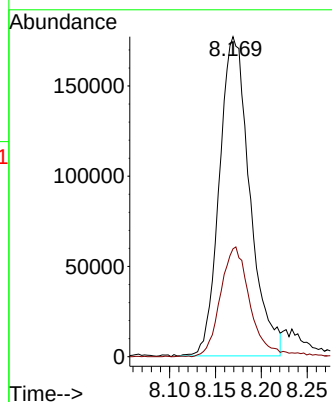
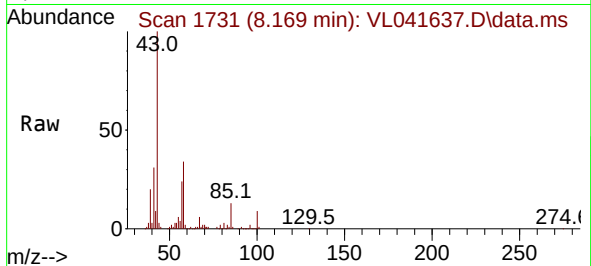




#50
4-Methyl-2-Pentanone
Concen: 1.597 ppbv
RT: 8.169 min Scan# 1731
Delta R.T. 0.013 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

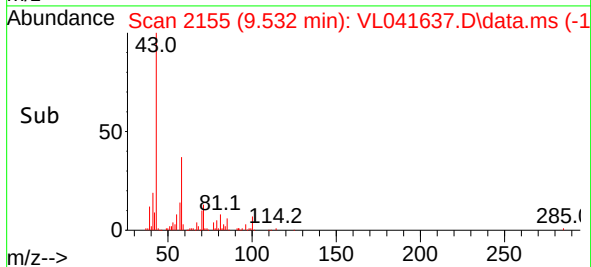
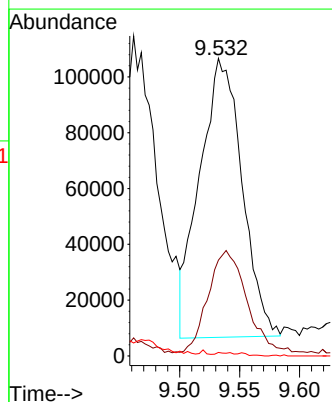
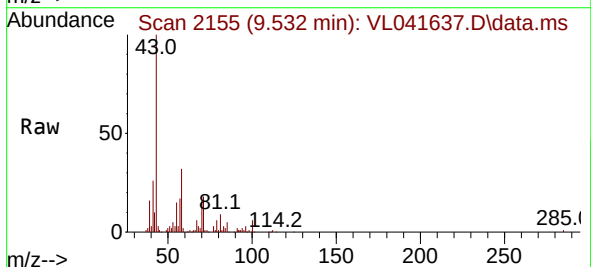
Instrument :
MSVOA_L
ClientSampleId :

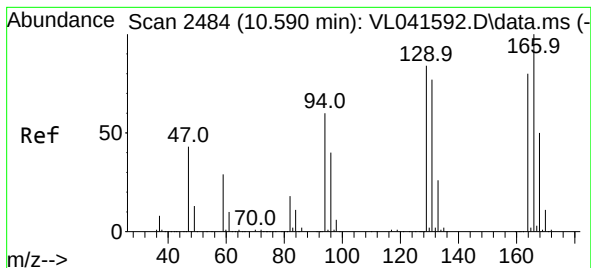
Tgt Ion: 43 Resp: 408199
Ion Ratio Lower Upper
43 100
58 34.2 27.8 41.8



#51
2-Hexanone
Concen: 1.271 ppbv
RT: 9.532 min Scan# 2155
Delta R.T. 0.006 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 43 Resp: 245732
Ion Ratio Lower Upper
43 100
58 33.2 37.2 55.8#
98 1.2 0.5 0.7#





#52

Tetrachloroethene

Concen: 3.089 ppbv

RT: 10.603 min Scan# 2488

Delta R.T. 0.013 min

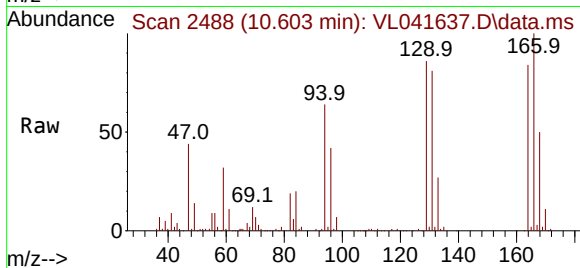
Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 269711

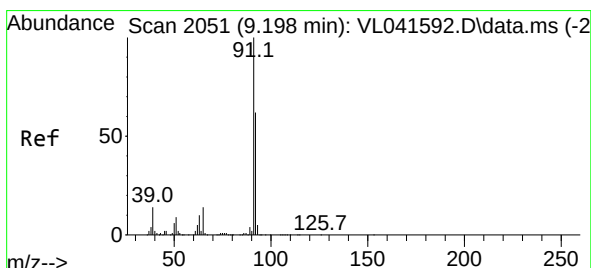
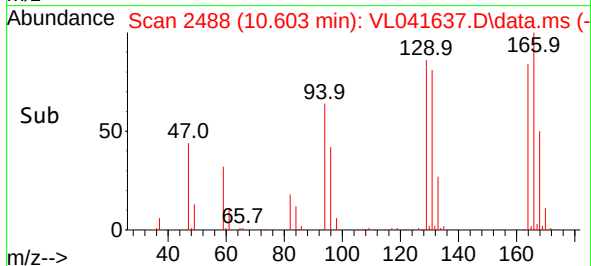
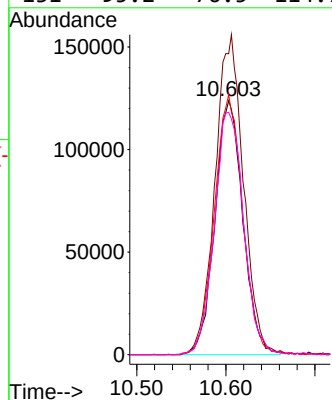
Ion Ratio Lower Upper

164 100

166 118.5 99.4 149.2

129 102.4 83.5 125.3

131 95.2 76.5 114.7



#53

Toluene

Concen: 13.599 ppbv

RT: 9.208 min Scan# 2054

Delta R.T. 0.010 min

Lab File: VL041637.D

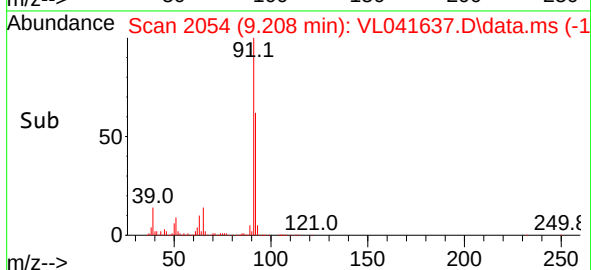
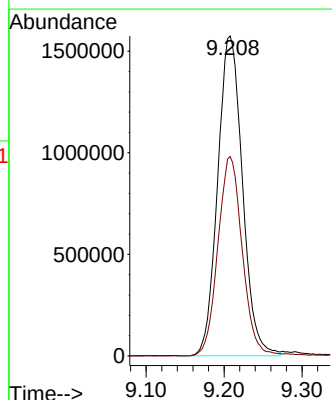
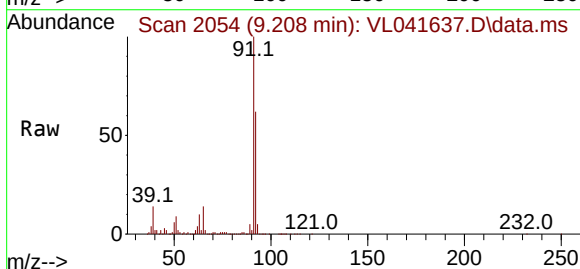
Acq: 10 Oct 2024 11:32

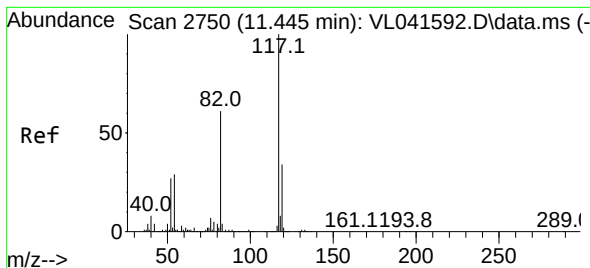
Tgt Ion: 91 Resp: 3481030

Ion Ratio Lower Upper

91 100

92 61.8 48.9 73.3

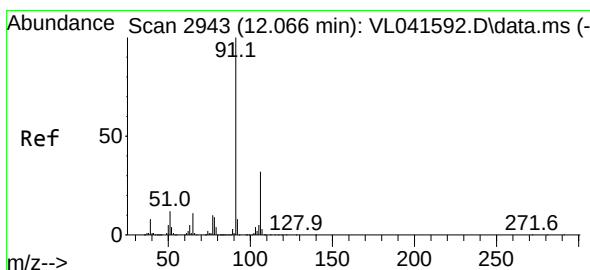
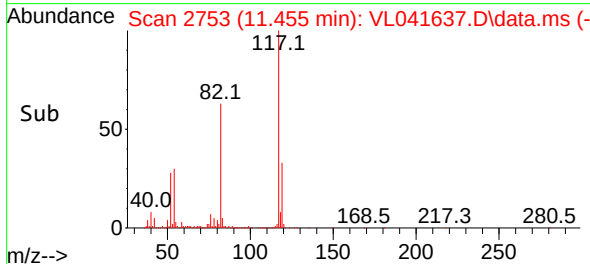
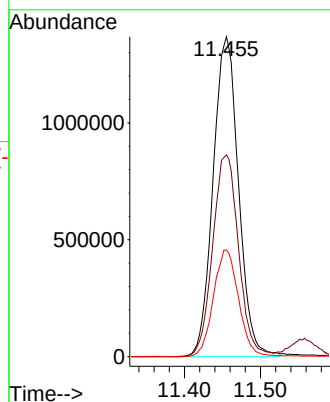
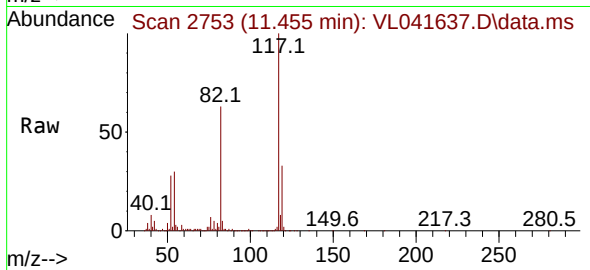




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

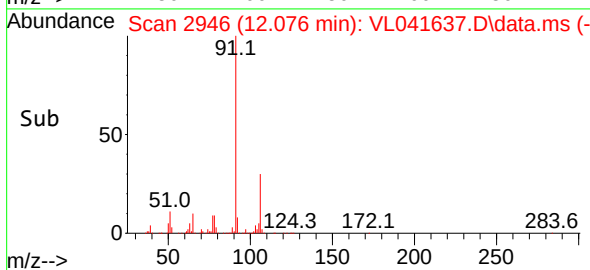
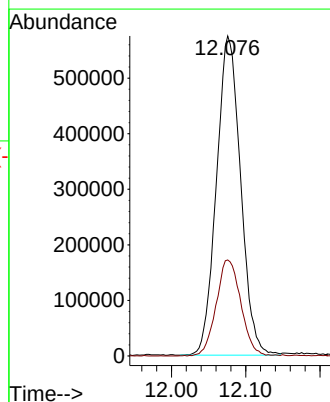
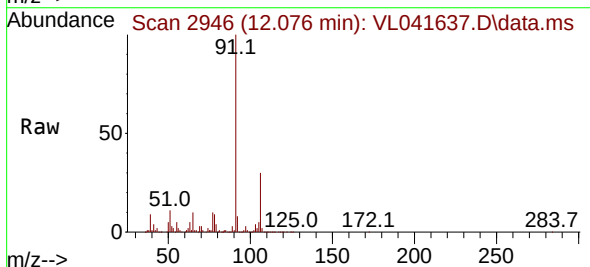
Instrument :
MSVOA_L
ClientSampleId :

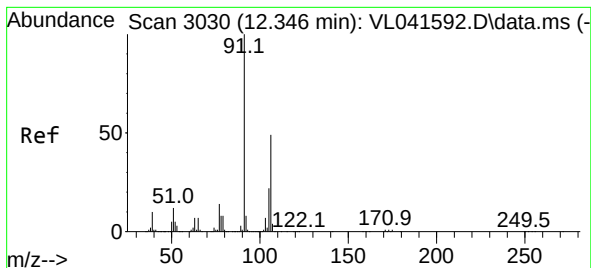
Tgt Ion:117 Resp: 3176144
Ion Ratio Lower Upper
117 100
82 64.2 49.4 74.2
119 33.3 24.4 36.6



#58
Ethyl Benzene
Concen: 3.823 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. 0.010 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 91 Resp: 1299930
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.6

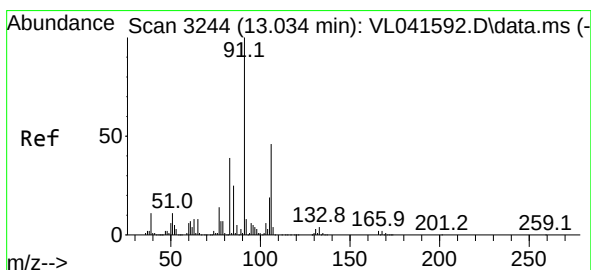
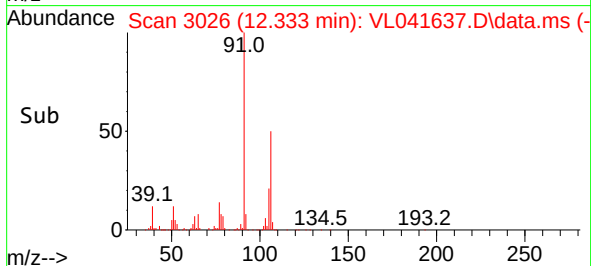
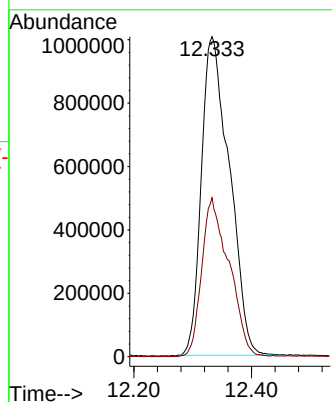
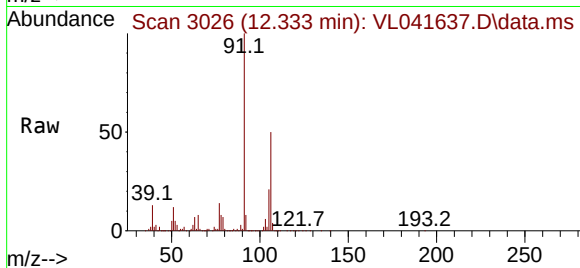




#59
m/p-Xylene
Concen: 10.982 ppbv
RT: 12.333 min Scan# 3030
Delta R.T. -0.013 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

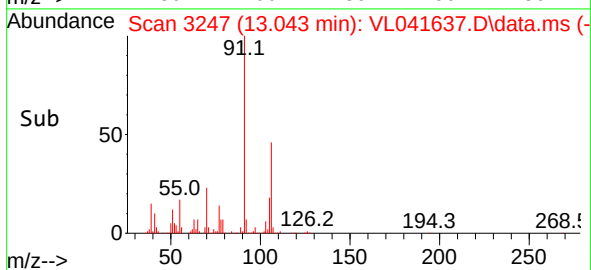
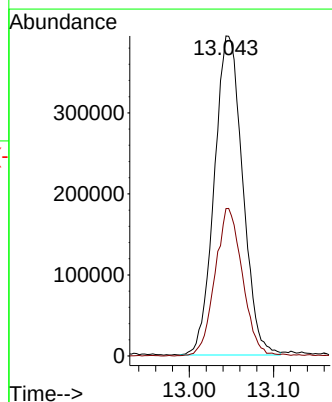
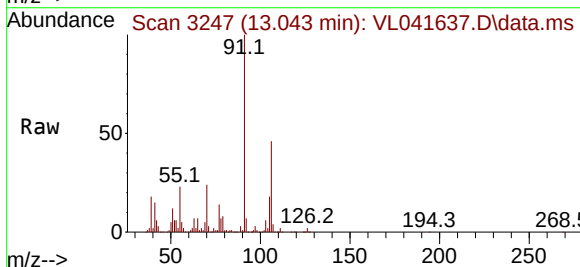
Instrument :
MSVOA_L
ClientSampleId :

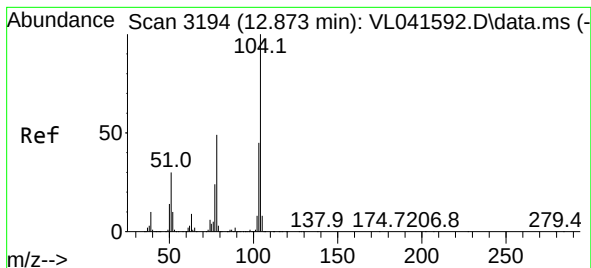
Tgt Ion: 91 Resp: 3323256
Ion Ratio Lower Upper
91 100
106 48.6 36.8 55.2



#60
o-Xylene
Concen: 3.170 ppbv
RT: 13.043 min Scan# 3247
Delta R.T. 0.010 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 91 Resp: 919710
Ion Ratio Lower Upper
91 100
106 45.4 23.1 69.3





#61

Styrene

Concen: 0.142 ppbv

RT: 12.883 min Scan# 3194

Delta R.T. 0.010 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

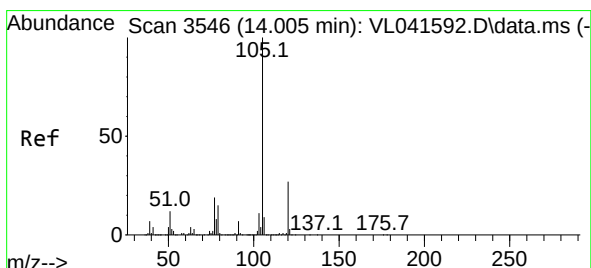
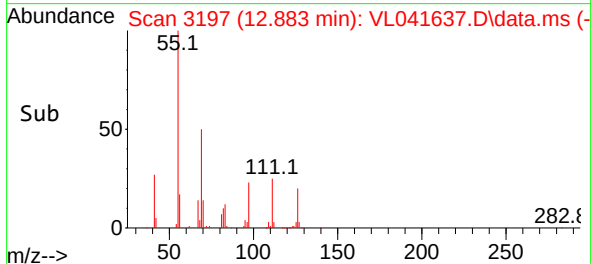
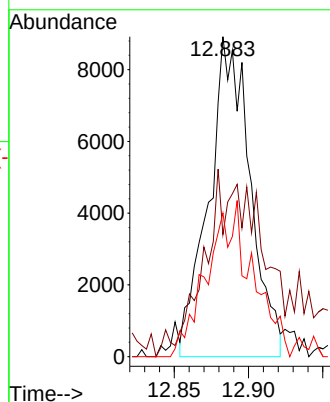
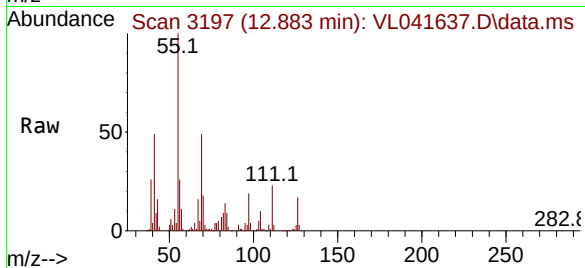
Tgt Ion:104 Resp: 17215

Ion Ratio Lower Upper

104 100

78 101.3 39.8 59.6#

103 56.1 37.4 56.0#



#62

Isopropylbenzene

Concen: 0.087 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.013 min

Lab File: VL041637.D

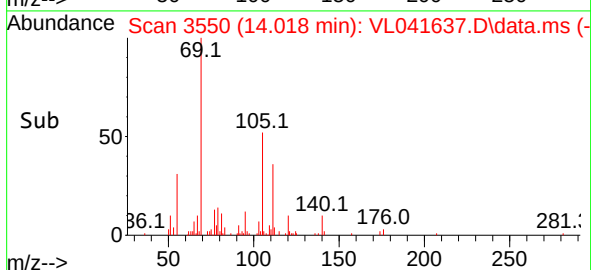
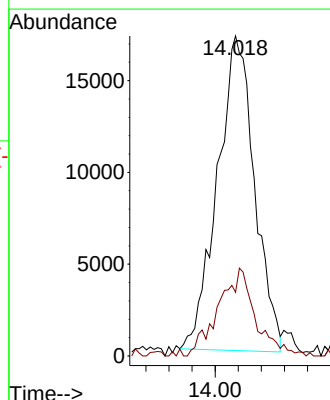
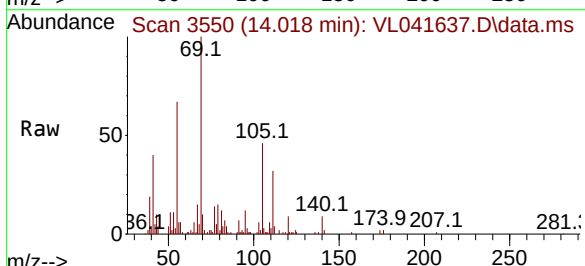
Acq: 10 Oct 2024 11:32

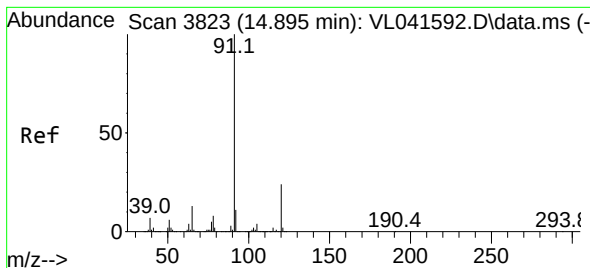
Tgt Ion:105 Resp: 38301

Ion Ratio Lower Upper

105 100

120 28.5 20.9 31.3





#64

n-propylbenzene

Concen: 0.069 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. 0.010 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

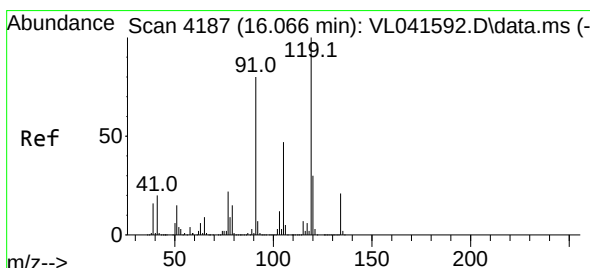
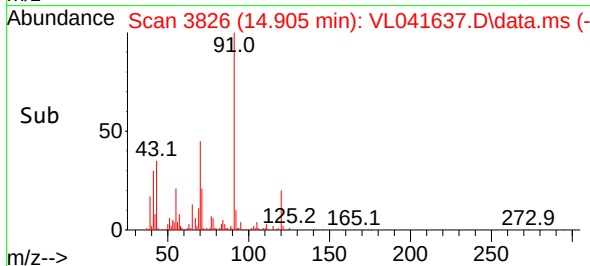
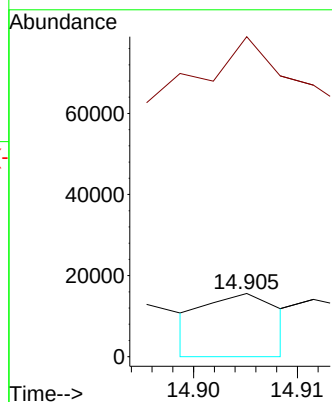
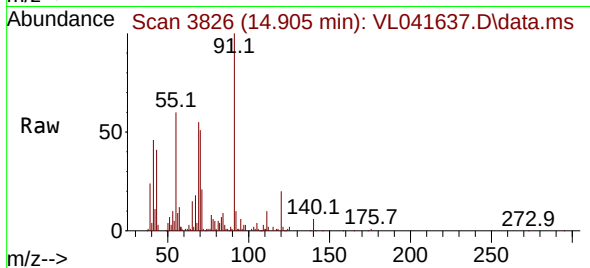
ClientSampleId :

Tgt Ion:120 Resp: 7865

Ion Ratio Lower Upper

120 100

91 2550.7 366.4 549.6#



#65

tert-Butylbenzene

Concen: 0.060 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. 0.026 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

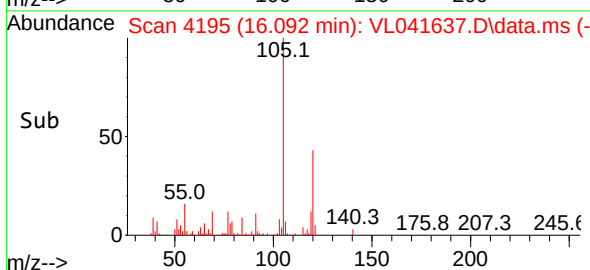
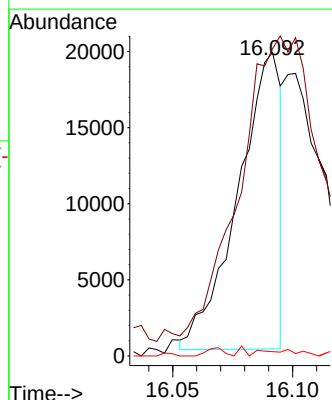
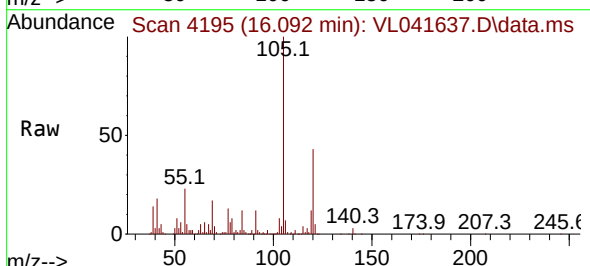
Tgt Ion:119 Resp: 24346

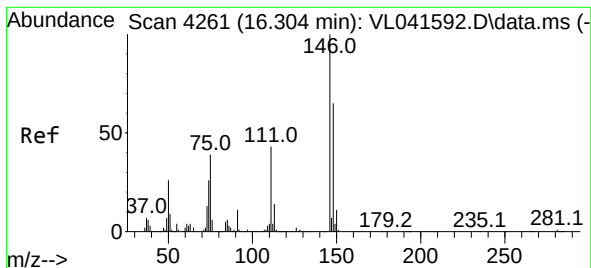
Ion Ratio Lower Upper

119 100

91 0.0 64.6 96.8#

134 1.9 15.8 23.8#

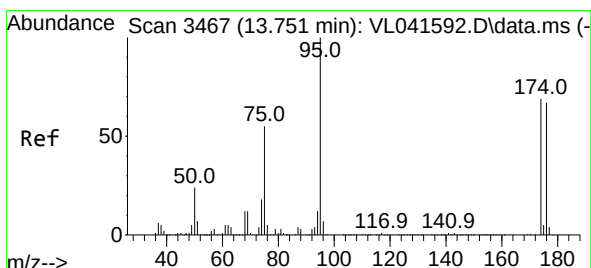
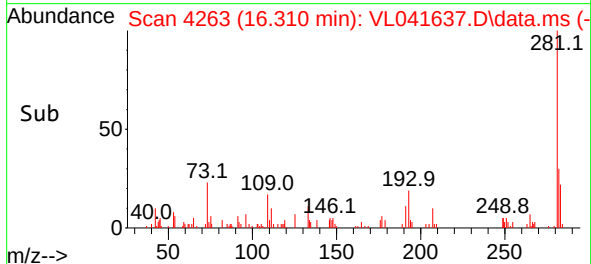
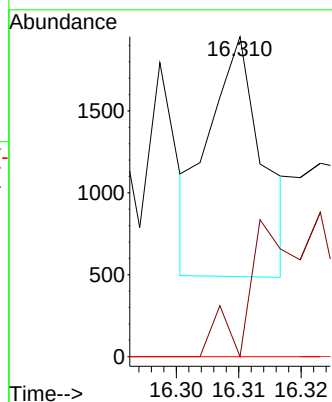
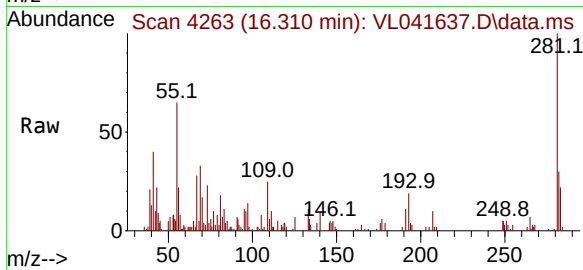




#66
Benzyl Chloride
Concen: 0.042 ppbv
RT: 16.310 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

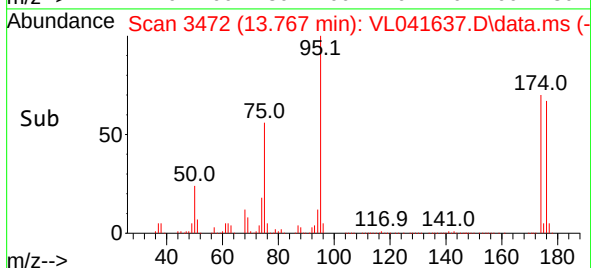
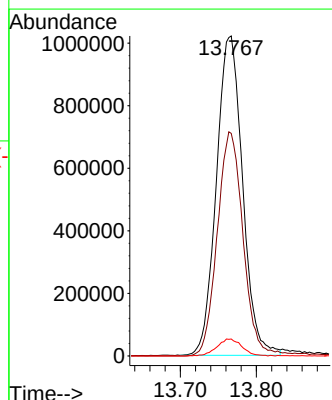
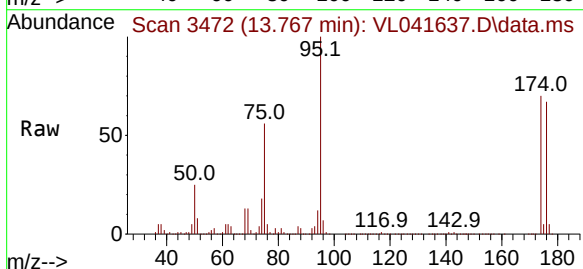
Instrument :
MSVOA_L
ClientSampleId :

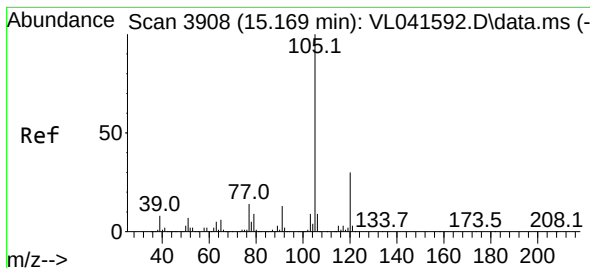
Tgt Ion: 91 Resp: 877
Ion Ratio Lower Upper
91 100
126 0.0 15.4 23.2#
128 0.0 4.8 7.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.462 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.016 min
Lab File: VL041637.D
Acq: 10 Oct 2024 11:32

Tgt Ion: 95 Resp: 2446096
Ion Ratio Lower Upper
95 100
174 69.7 55.8 83.8
175 5.2 4.1 6.1





#72

4-Ethyltoluene

Concen: 0.630 ppbv

RT: 15.182 min Scan# 3912

Delta R.T. 0.013 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 213704

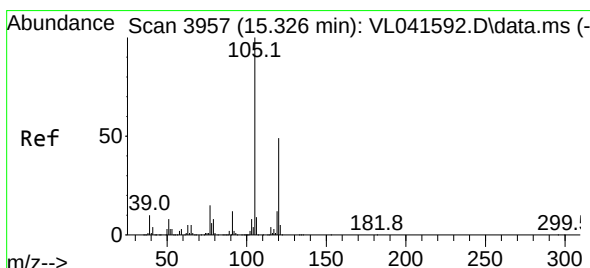
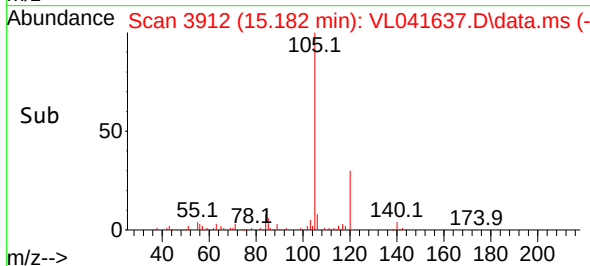
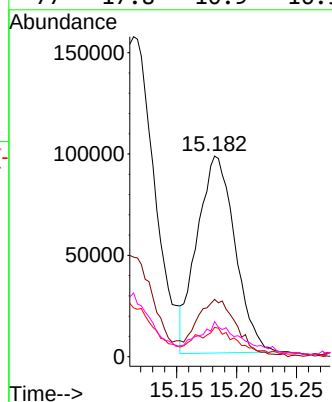
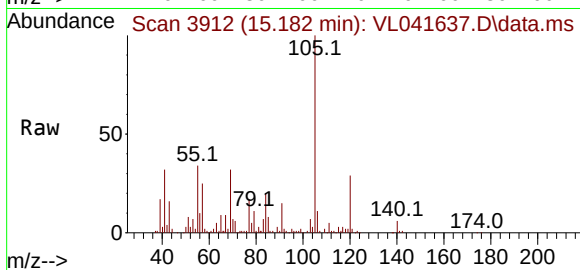
Ion Ratio Lower Upper

105 100

120 31.7 24.1 36.1

91 14.4 10.2 15.2

77 17.8 10.9 16.3#



#73

1,3,5-Trimethylbenzene

Concen: 0.318 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. 0.013 min

Lab File: VL041637.D

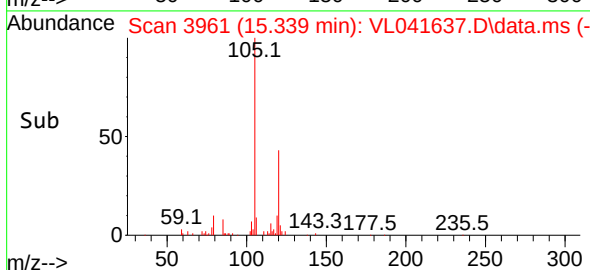
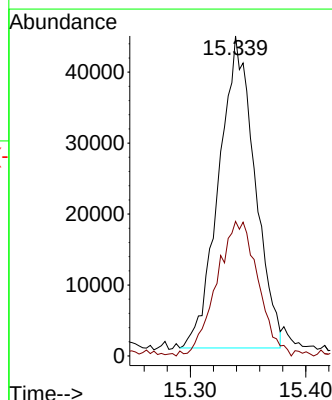
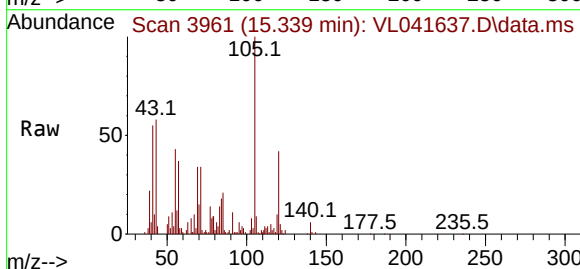
Acq: 10 Oct 2024 11:32

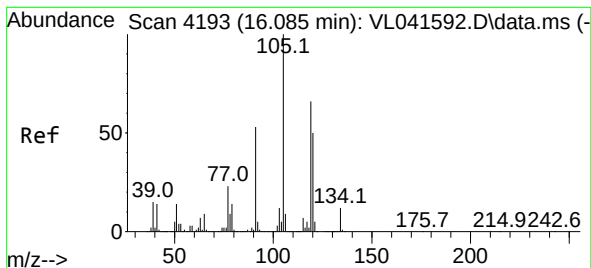
Tgt Ion:105 Resp: 95126

Ion Ratio Lower Upper

105 100

120 41.7 39.4 59.0





#74

1,2,4-Trimethylbenzene

Concen: 1.187 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. 0.006 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 416217

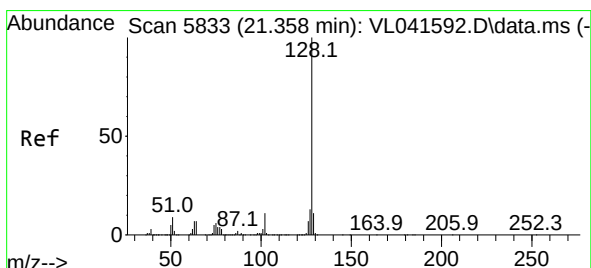
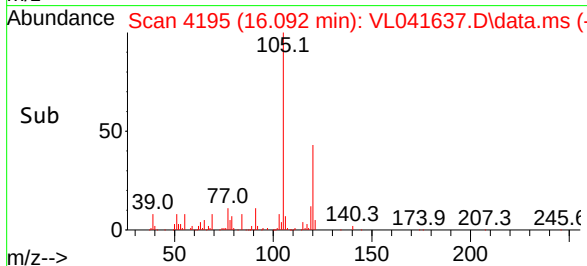
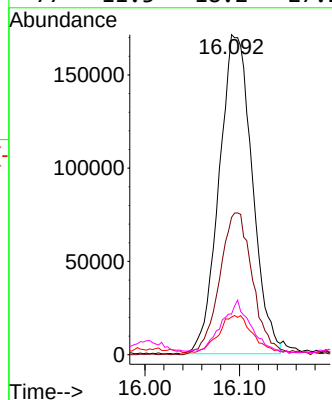
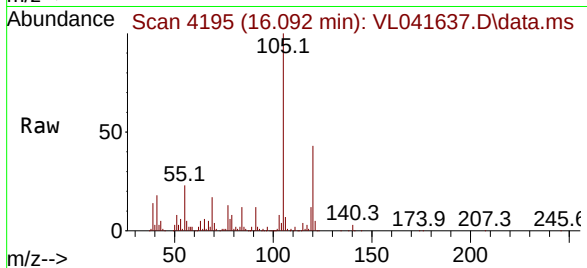
Ion Ratio Lower Upper

105 100

120 43.1 39.9 59.9

91 10.9 42.6 63.8#

77 11.3 18.2 27.2#



#79

Naphthalene

Concen: 0.054 ppbv

RT: 21.390 min Scan# 5843

Delta R.T. 0.032 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

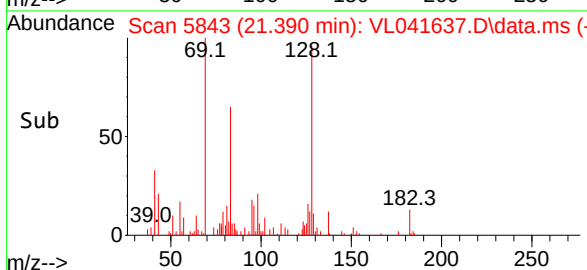
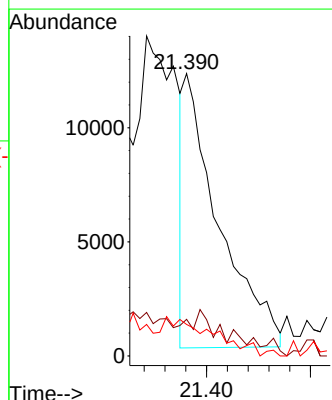
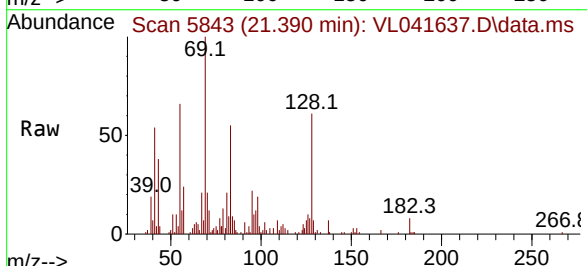
Tgt Ion:128 Resp: 13954

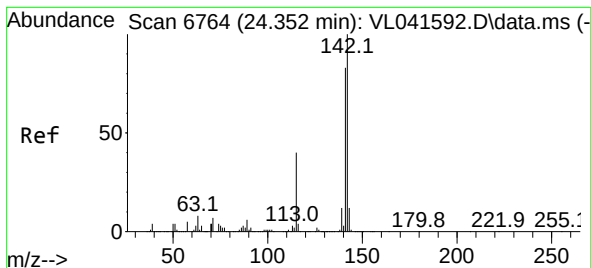
Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

129 12.2 9.1 13.7





#80

Naphthalene, 2-methyl-

Concen: 0.188 ppbv

RT: 24.355 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

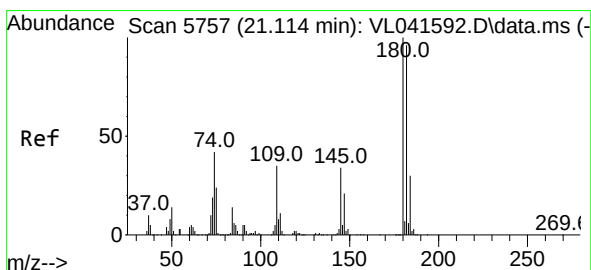
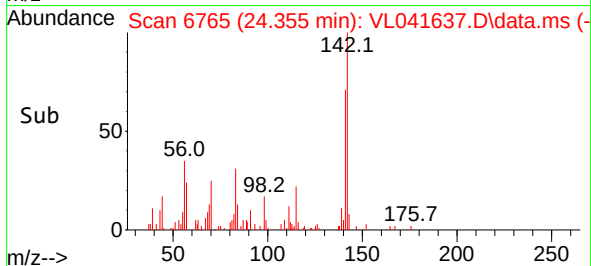
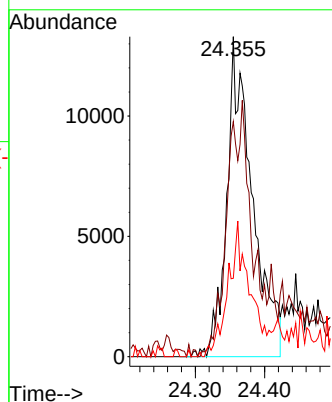
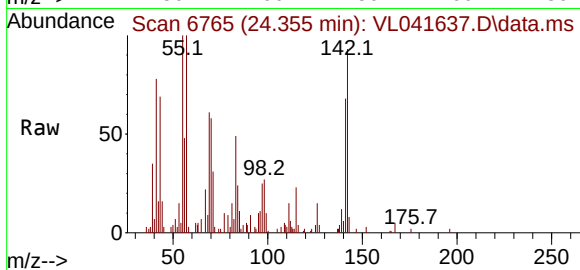
Tgt Ion:142 Resp: 33961

Ion Ratio Lower Upper

142 100

141 77.4 66.3 99.5

115 37.6 31.4 47.2



#81

1,2,4-Trichlorobenzene

Concen: 0.042 ppbv

RT: 21.130 min Scan# 5762

Delta R.T. 0.016 min

Lab File: VL041637.D

Acq: 10 Oct 2024 11:32

Tgt Ion:180 Resp: 6936

Ion Ratio Lower Upper

180 100

182 297.8 76.5 114.7#

184 54.9 24.7 37.1#

