

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041437.D
 Acq On : 29 Jul 2024 20:25
 Operator : SY/MD
 Sample : P3342-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:53:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1076480	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.655	114	2910344	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2719407	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2118775 10.124 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	100689	0.544	ppbv	99
3) Chlorodifluoromethane	2.674	51	50353	0.393	ppbv #	91
4) Chloromethane	2.812	50	48192	0.707	ppbv	97
7) Chloroethane	3.195	64	760	0.033	ppbv #	54
9) Propene	2.873	41	3438164	58.403	ppbv	97
10) Heptane	7.584	43	296798	2.244	ppbv	96
11) Trichlorofluoromethane	3.565	101	34892	0.212	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.060	101	7535	0.064	ppbv	87
13) Ethanol	3.246	45	6703312	1274.007	ppbv	94
15) Acetone	3.468	43	1251458	10.232	ppbv #	46
16) 1,3-Butadiene	2.967	39	58665	0.898	ppbv #	10
17) tert-Butyl alcohol	3.896	59	67273	0.603	ppbv #	72
19) Isopropyl Alcohol	3.584	45	1948237	27.246	ppbv #	98
20) Methylene Chloride	3.935	84	264591	5.801	ppbv	98
21) Allyl Chloride	3.957	41	175590	2.189	ppbv #	49
23) Vinyl Acetate	4.607	43	662890	7.096	ppbv #	1
25) Ethyl Acetate	5.211	43	1454638	5.986	ppbv #	70
26) Hexane	5.214	57	1436668	14.253	ppbv #	49
27) Carbon Disulfide	4.127	76	21963	0.186	ppbv #	57
29) Chloroform	5.272	83	22953	0.140	ppbv	90
30) Cyclohexane	6.603	84	142408	1.735	ppbv	94
31) cis-1,2-Dichloroethene	5.198	61	77610	0.779	ppbv #	26
34) 2-Butanone	4.787	43	241339	1.714	ppbv	97
35) Carbon Tetrachloride	6.494	117	8310	0.052	ppbv	96
36) Benzene	6.372	78	763233	3.589	ppbv	99
37) 1,2-Dichloroethane	5.809	62	15662	0.132	ppbv #	82
39) 1,2-Dichloropropane	6.655	63	716887	8.805	ppbv #	25
41) Tetrahydrofuran	5.565	42	18547	0.230	ppbv #	56
42) Bromodichloromethane	7.250	83	18230	0.106	ppbv #	30
43) Methyl Methacrylate	7.475	69	52871	0.693	ppbv #	75
44) 2,2,4-Trimethylpentane	7.330	57	833248	2.346	ppbv #	82
50) 4-Methyl-2-Pentanone	8.185	43	21483	0.097	ppbv #	40
52) Tetrachloroethene	10.616	164	5908	0.072	ppbv	93
53) Toluene	9.220	91	3004756	12.685	ppbv	99
58) Ethyl Benzene	12.092	91	860980	2.747	ppbv	97
59) m/p-Xylene	12.343	91	1237086	4.572	ppbv	97
60) o-Xylene	13.056	91	470594	1.839	ppbv	100
61) Styrene	12.896	104	460062	3.984	ppbv	99
64) n-propylbenzene	14.918	120	7117	0.070	ppbv #	1
72) 4-Ethyltoluene	15.195	105	26234	0.087	ppbv #	33
73) 1,3,5-Trimethylbenzene	15.355	105	28232	0.109	ppbv #	86
74) 1,2,4-Trimethylbenzene	16.108	105	168842	0.559	ppbv #	68

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041437.D
Acq On : 29 Jul 2024 20:25
Operator : SY/MD
Sample : P3342-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

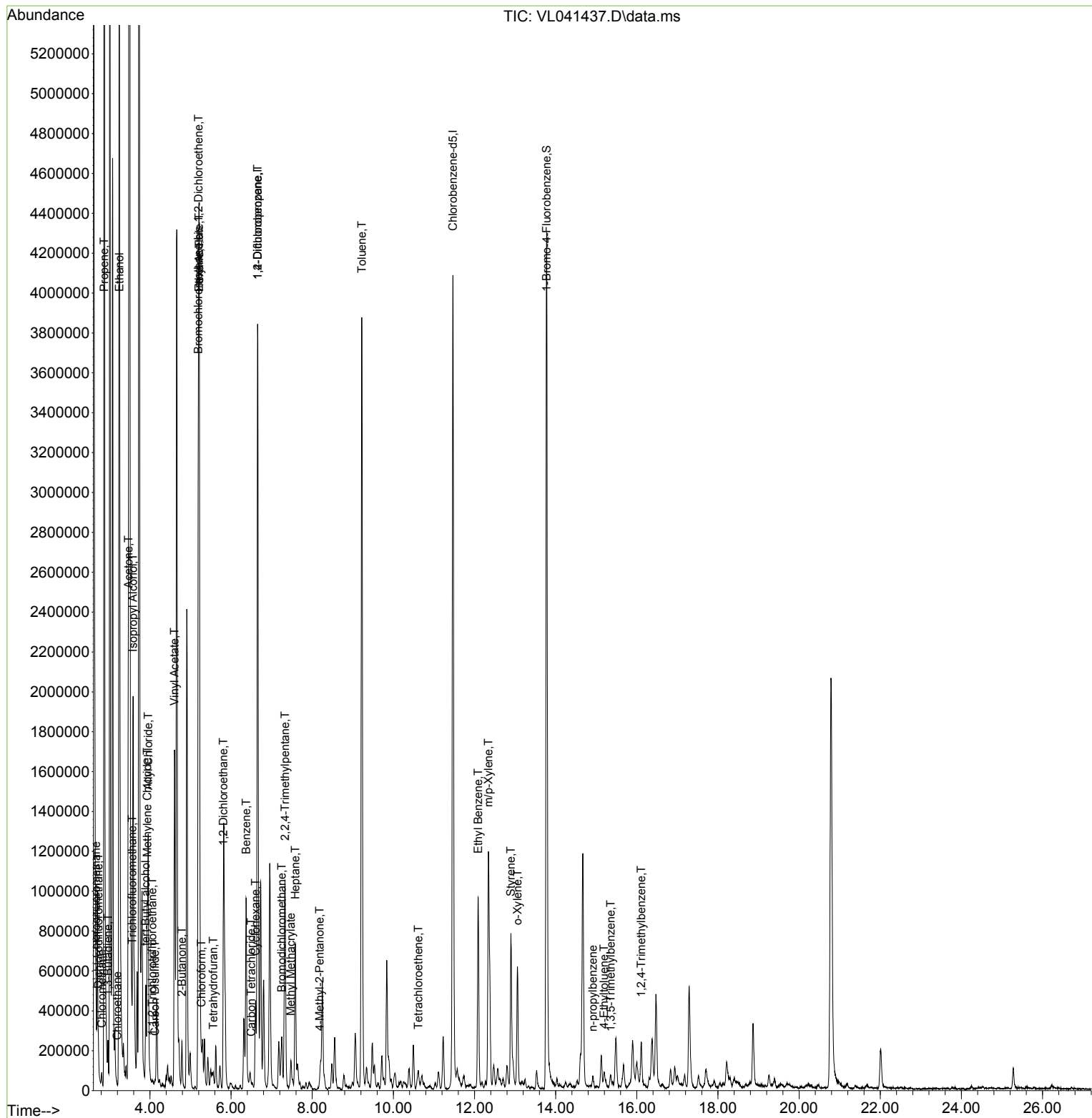
Quant Time: Jul 30 02:53:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

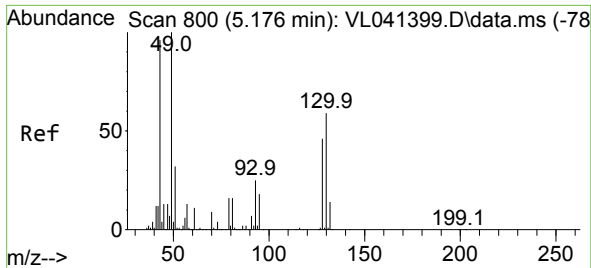
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 30 02:53:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

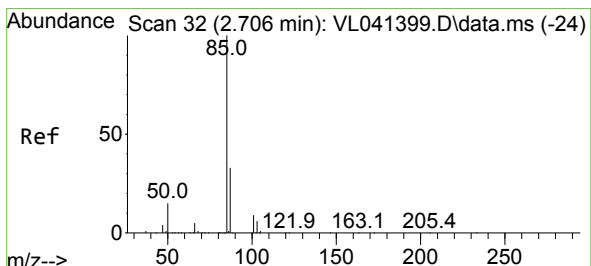
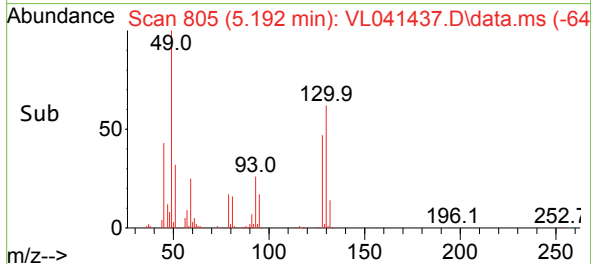
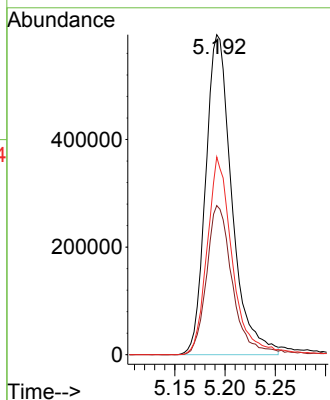
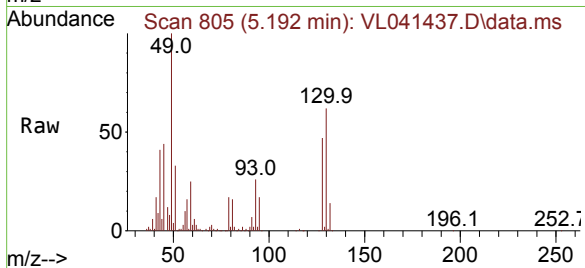




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.013 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

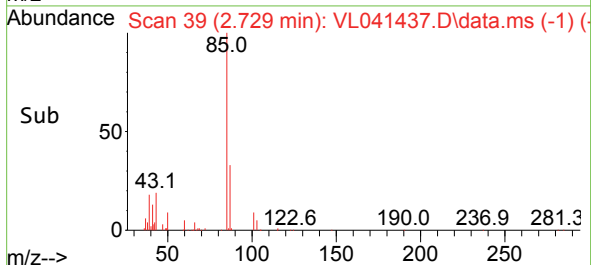
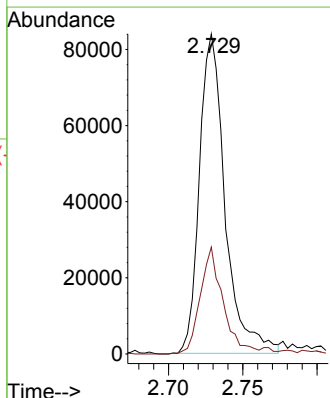
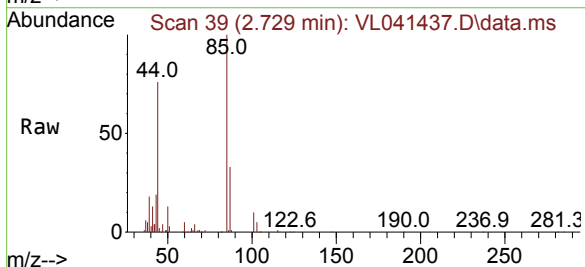
Instrument :
 MSVOA_L
 ClientSampleId :

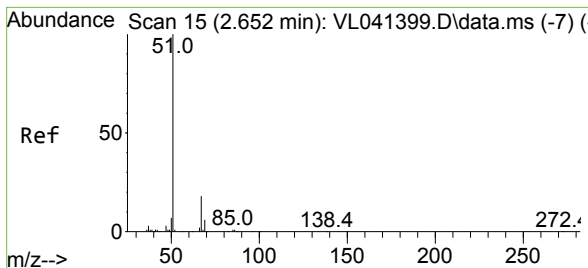
Tgt Ion: 49 Resp: 1076480
 Ion Ratio Lower Upper
 49 100
 128 47.0 23.8 71.4
 130 61.0 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 0.544 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.019 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

Tgt Ion: 85 Resp: 100689
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.393 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

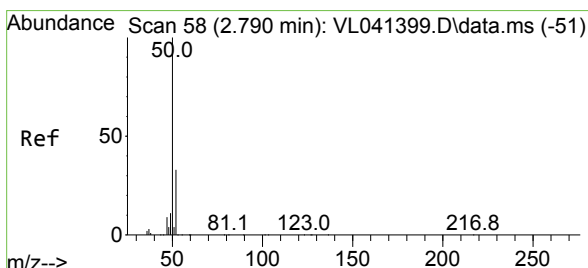
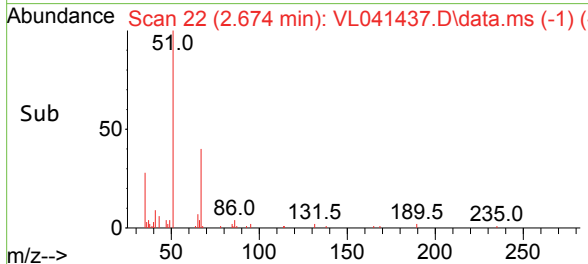
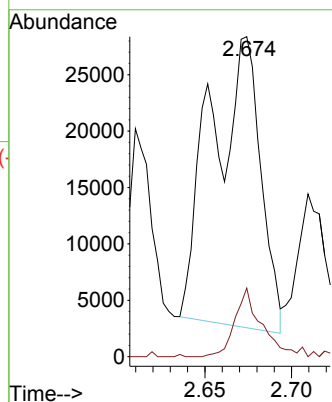
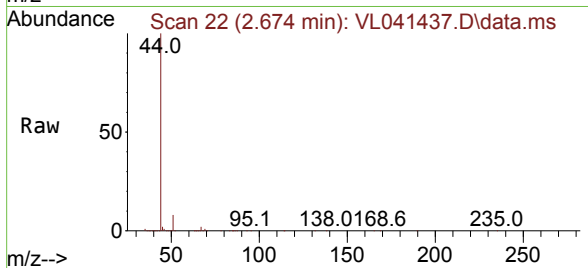
ClientSampleId :

Tgt Ion: 51 Resp: 50353

Ion Ratio Lower Upper

51 100

67 14.2 14.5 21.7#



#4

Chloromethane

Concen: 0.707 ppbv

RT: 2.812 min Scan# 65

Delta R.T. 0.019 min

Lab File: VL041437.D

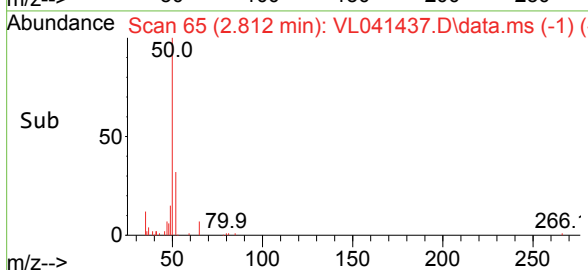
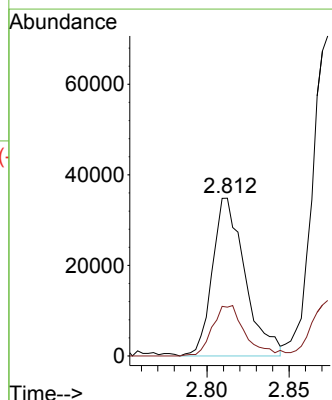
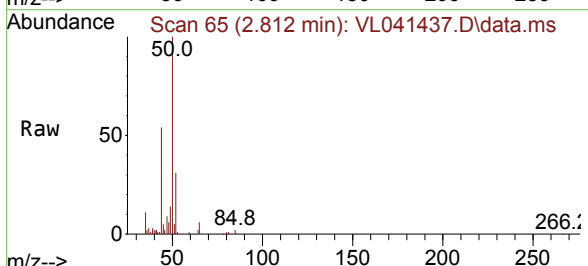
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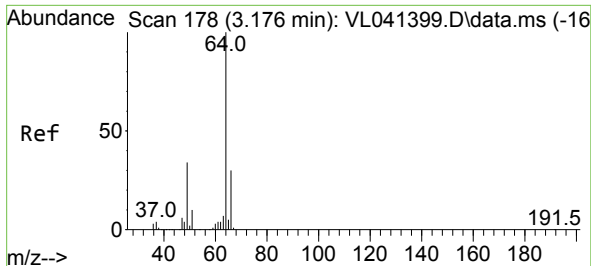
Tgt Ion: 50 Resp: 48192

Ion Ratio Lower Upper

50 100

52 30.9 26.1 39.1

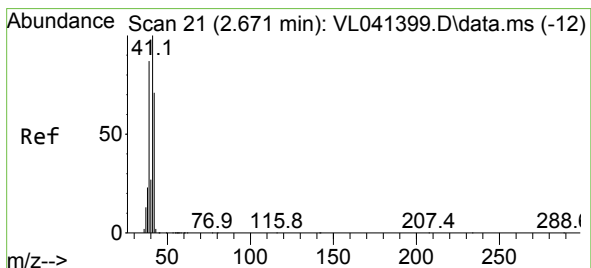
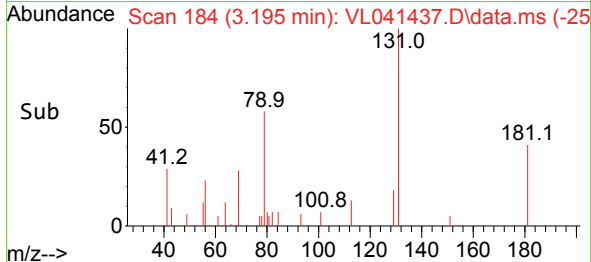
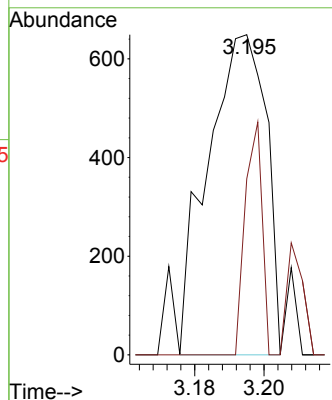
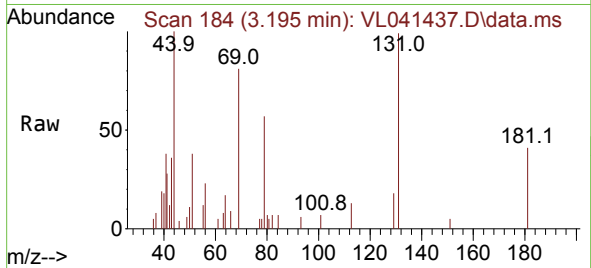




#7
Chloroethane
Concen: 0.033 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

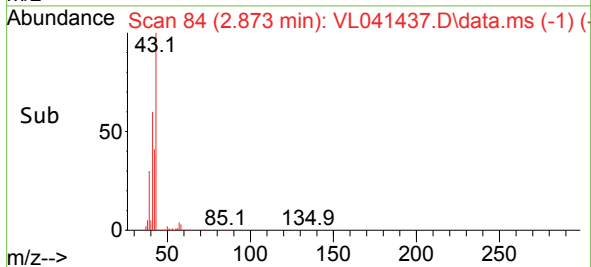
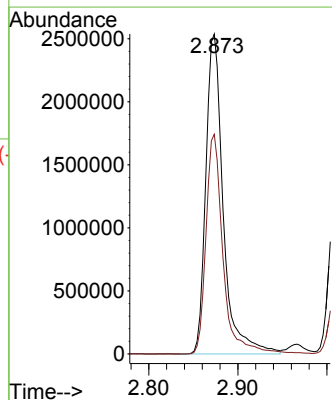
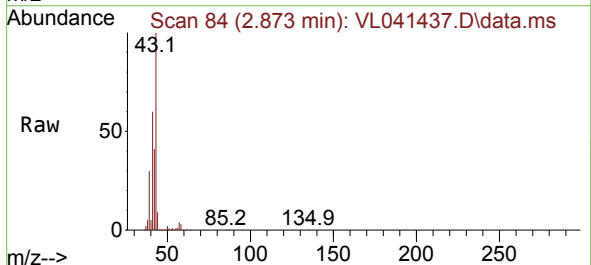
Instrument :
MSVOA_L
ClientSampleId :

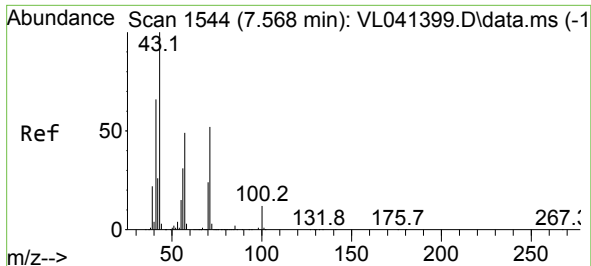
Tgt Ion: 64 Resp: 760
Ion Ratio Lower Upper
64 100
66 55.0 24.2 36.2#



#9
Propene
Concen: 58.403 ppbv
RT: 2.873 min Scan# 84
Delta R.T. 0.203 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Tgt Ion: 41 Resp: 3438164
Ion Ratio Lower Upper
41 100
42 67.2 55.9 83.9

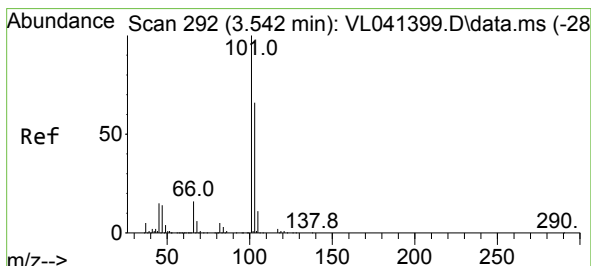
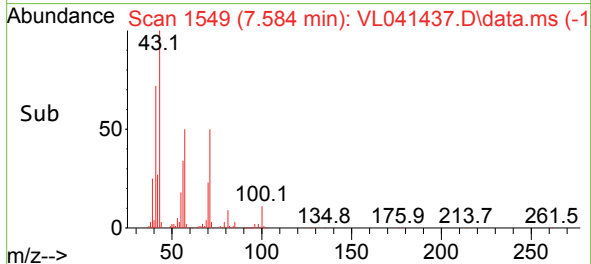
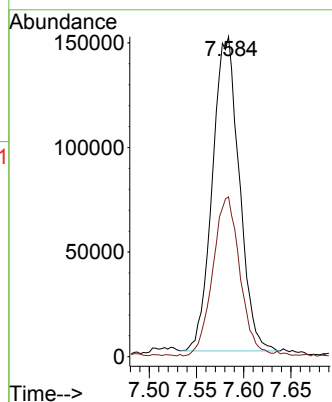
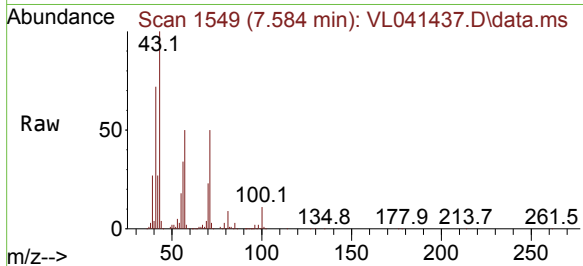




#10
 Heptane
 Concen: 2.244 ppbv
 RT: 7.584 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

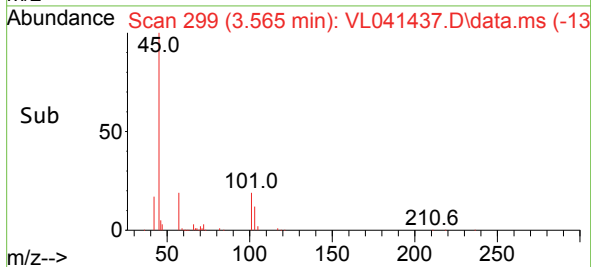
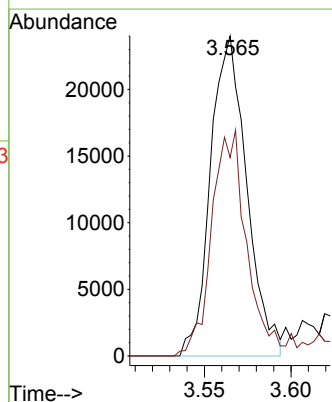
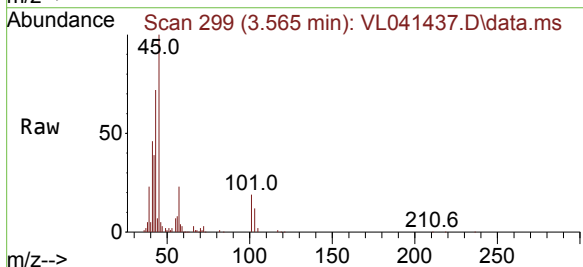
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 MSVOA_L
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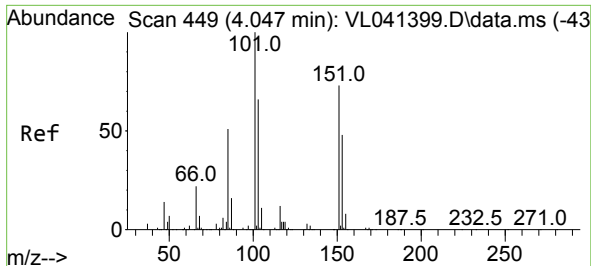
Tgt Ion: 43 Resp: 296798
 Ion Ratio Lower Upper
 43 100
 57 53.7 40.5 60.7



#11
 Trichlorofluoromethane
 Concen: 0.212 ppbv
 RT: 3.565 min Scan# 299
 Delta R.T. 0.019 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

Tgt Ion: 101 Resp: 34892
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.064 ppbv

RT: 4.060 min Scan# 4

Delta R.T. 0.010 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

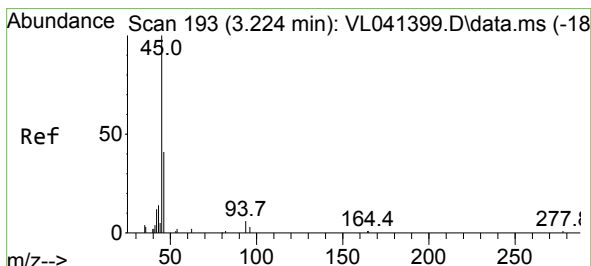
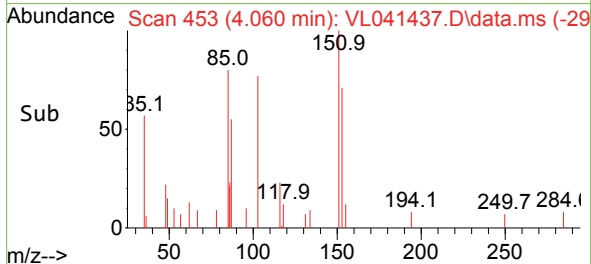
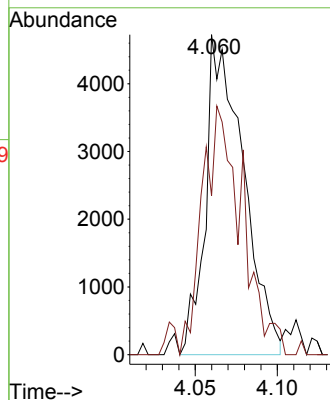
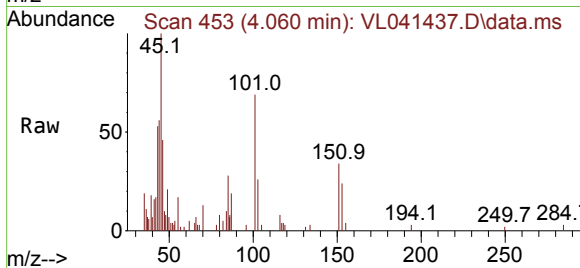
ClientSampleId :

Tgt Ion:101 Resp: 7535

Ion Ratio Lower Upper

101 100

151 84.9 59.4 89.2



#13

Ethanol

Concen: 1274.007 ppbv

RT: 3.246 min Scan# 200

Delta R.T. 0.019 min

Lab File: VL041437.D

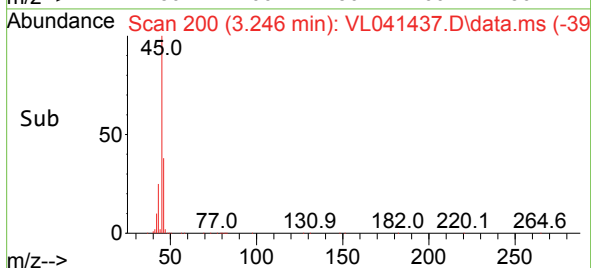
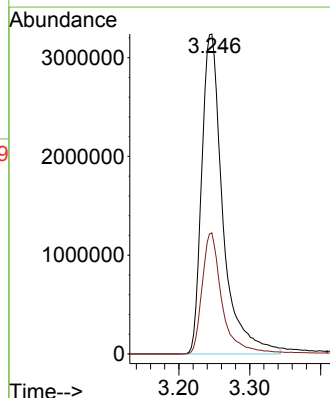
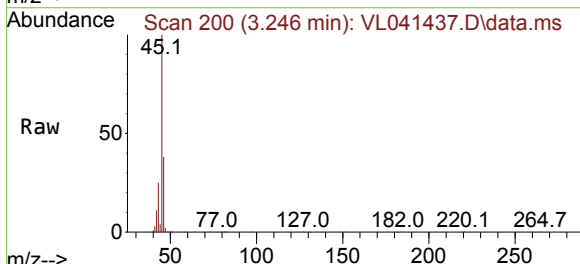
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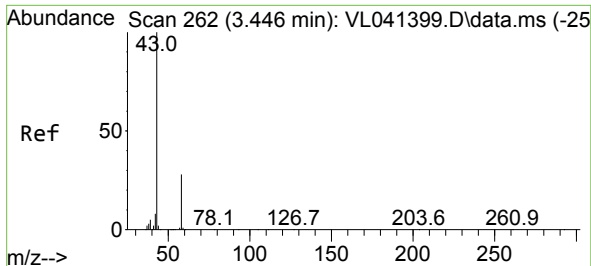
Tgt Ion: 45 Resp: 6703312

Ion Ratio Lower Upper

45 100

46 36.7 13.4 53.4

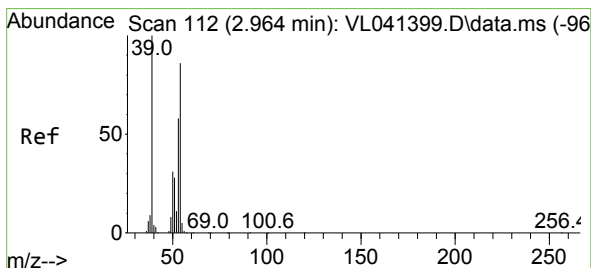
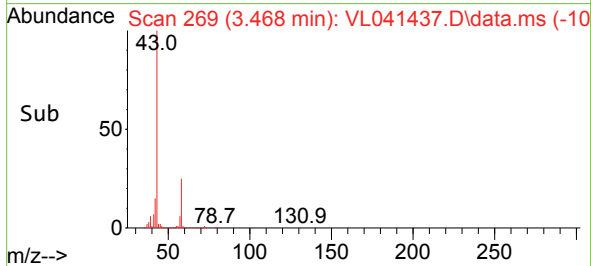
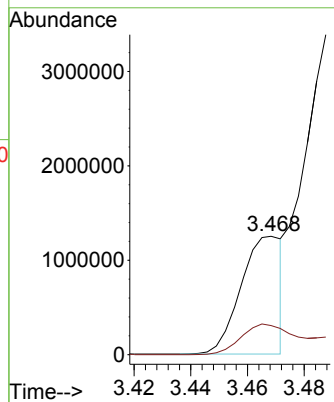
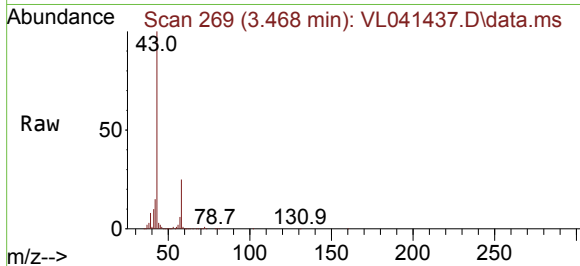




#15
Acetone
Concen: 10.232 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

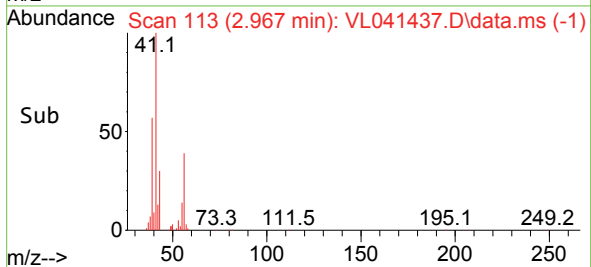
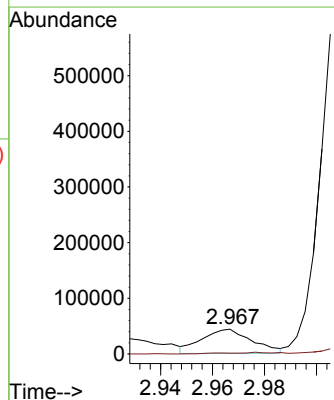
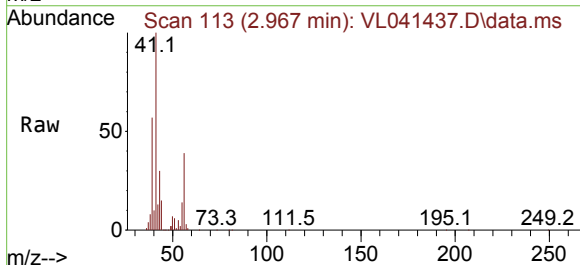
Instrument :
MSVOA_L
ClientSampleId :

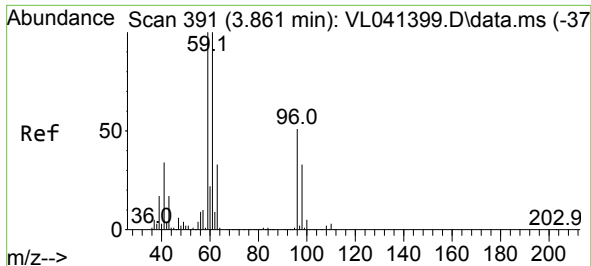
Tgt Ion: 43 Resp: 1251458
Ion Ratio Lower Upper
43 100
58 54.8 21.4 32.2#



#16
1,3-Butadiene
Concen: 0.898 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.000 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

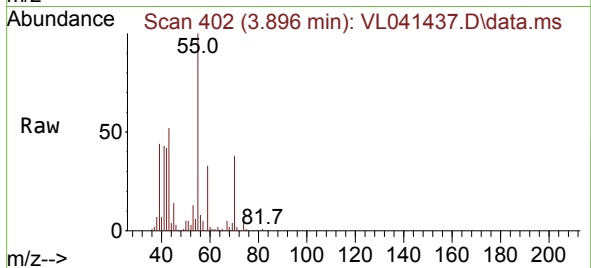
Tgt Ion: 39 Resp: 58665
Ion Ratio Lower Upper
39 100
54 0.0 62.5 93.7#



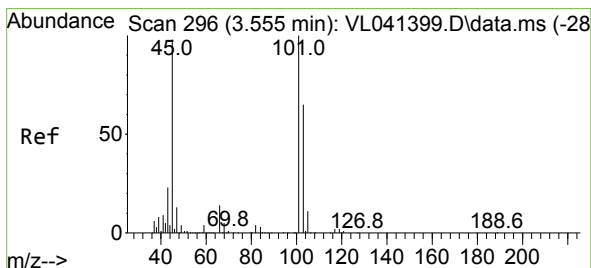
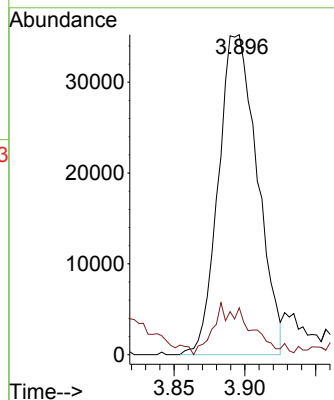
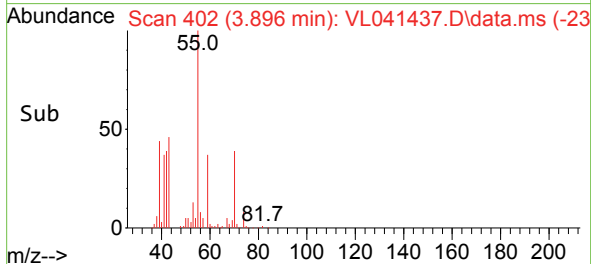


#17
tert-Butyl alcohol
Concen: 0.603 ppbv
RT: 3.896 min Scan# 40
Delta R.T. 0.035 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Instrument :
MSVOA_L
ClientSampleId :

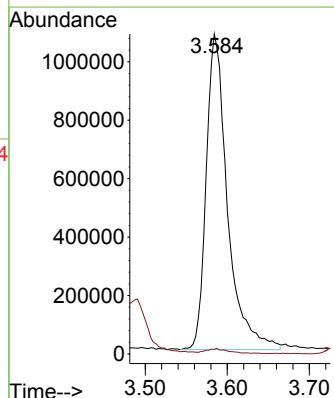
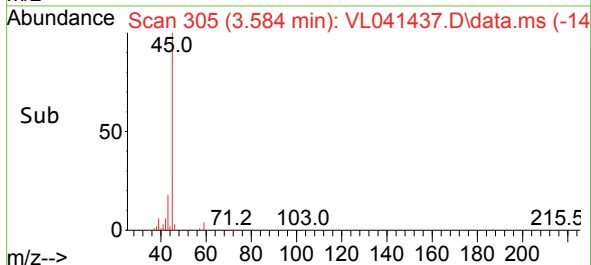
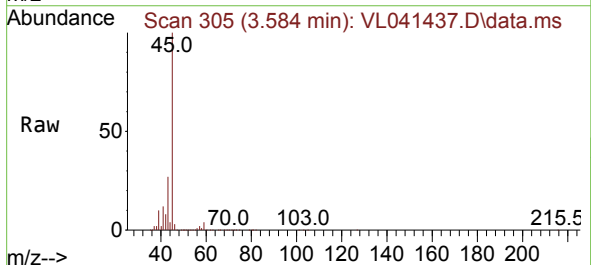


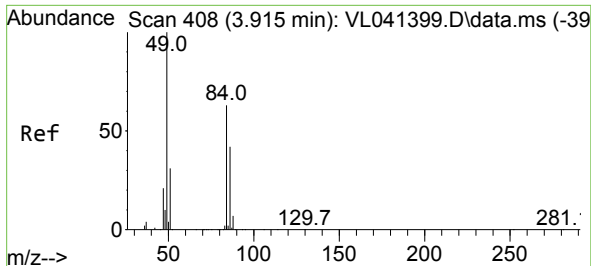
Tgt Ion: 59 Resp: 67273
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#19
Isopropyl Alcohol
Concen: 27.246 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.022 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Tgt Ion: 45 Resp: 1948237
Ion Ratio Lower Upper
45 100
58 1.7 1.9 2.9#

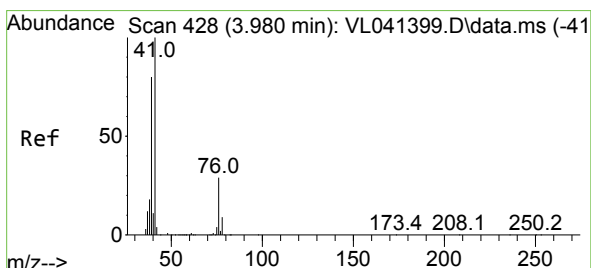
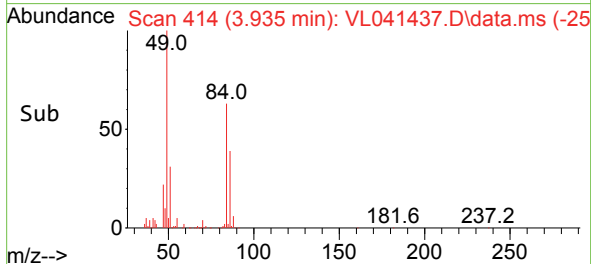
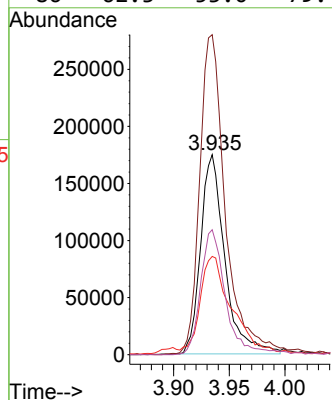
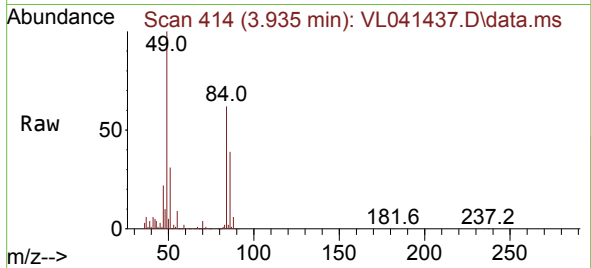




#20
Methylene Chloride
Concen: 5.801 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.016 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

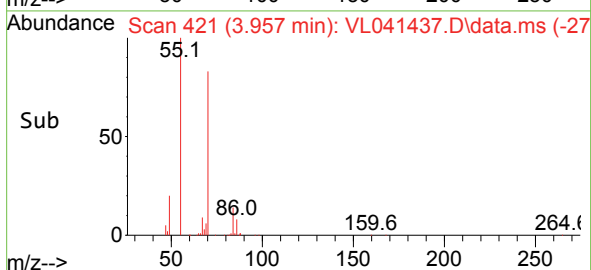
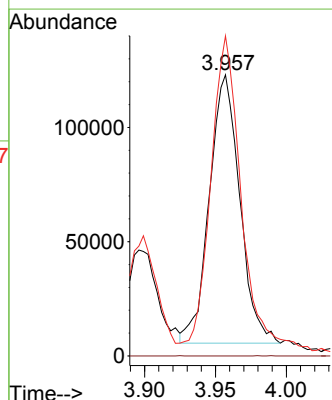
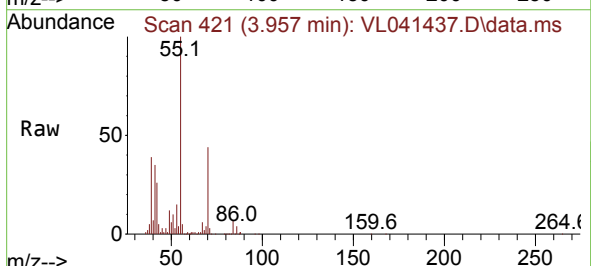
Instrument :
MSVOA_L
ClientSampleId :

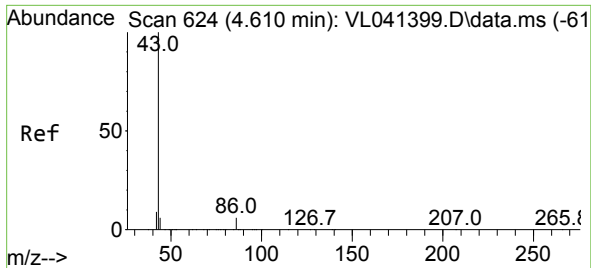
Tgt Ion: 84 Resp: 264591
Ion Ratio Lower Upper
84 100
49 159.6 126.6 190.0
51 47.8 38.6 58.0
86 62.3 53.0 79.4



#21
Allyl Chloride
Concen: 2.189 ppbv
RT: 3.957 min Scan# 421
Delta R.T. -0.023 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

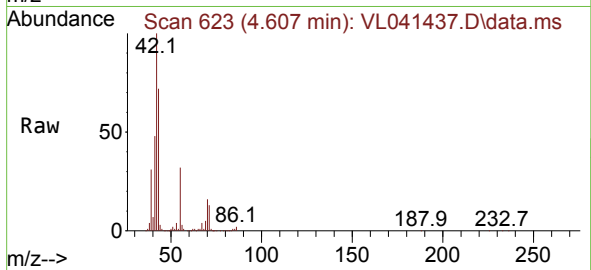
Tgt Ion: 41 Resp: 175590
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 124.3 64.3 96.5#



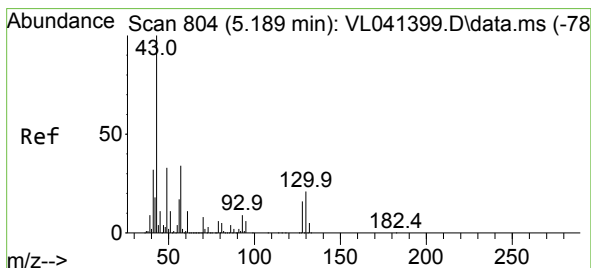
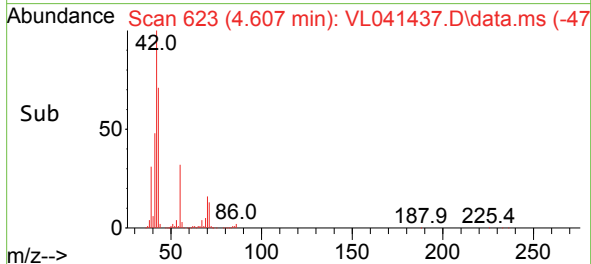
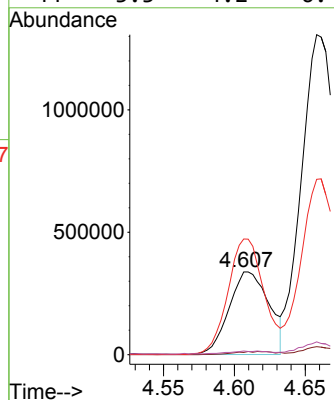


#23
Vinyl Acetate
Concen: 7.096 ppbv
RT: 4.607 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Instrument :
MSVOA_L
ClientSampleId :

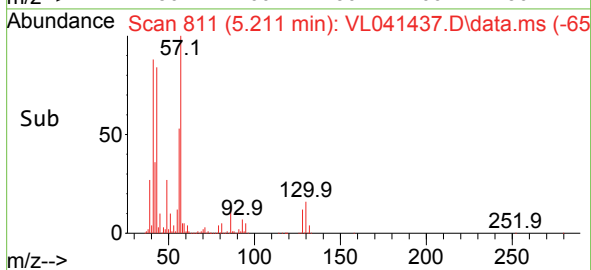
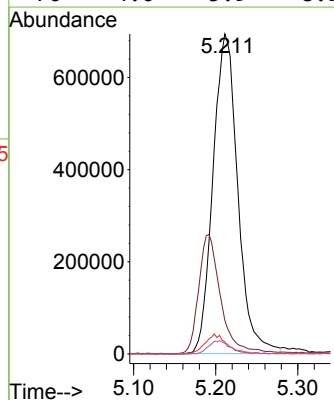
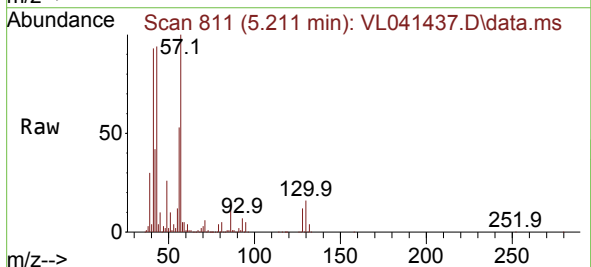


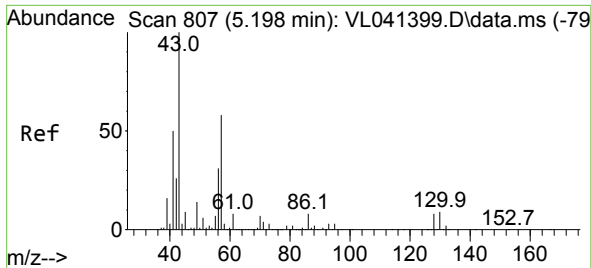
Tgt Ion: 43 Resp: 662890
Ion Ratio Lower Upper
43 100
86 2.8 4.6 6.8#
42 139.8 7.9 11.9#
44 3.3 4.2 6.4#



#25
Ethyl Acetate
Concen: 5.986 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

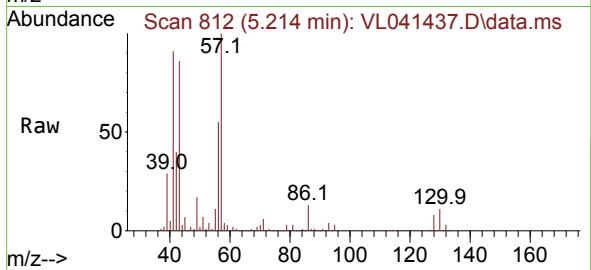
Tgt Ion: 43 Resp: 1454638
Ion Ratio Lower Upper
43 100
45 33.6 8.5 12.7#
61 5.5 8.0 12.0#
70 4.0 5.9 8.9#





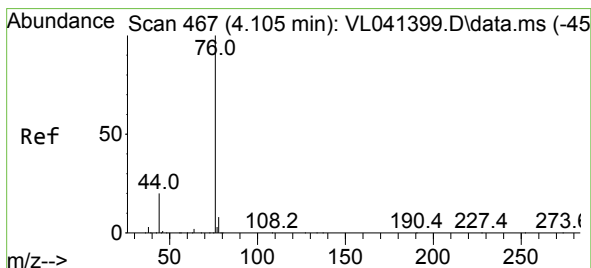
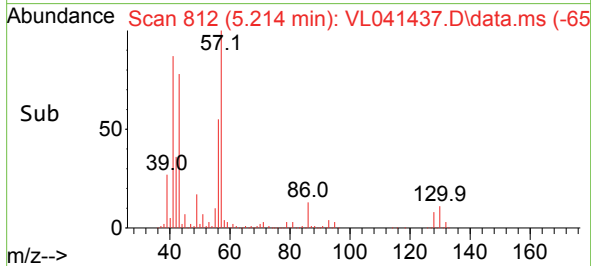
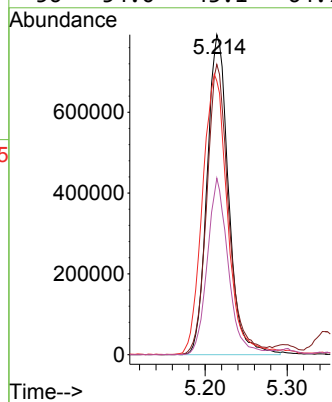
#26
Hexane
Concen: 14.253 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 1436668

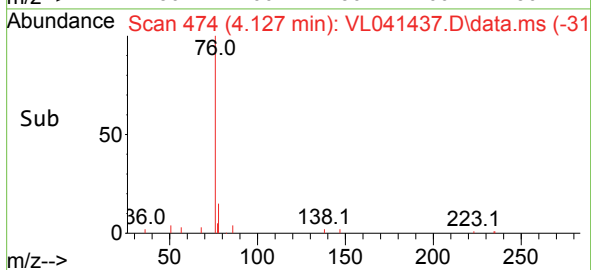
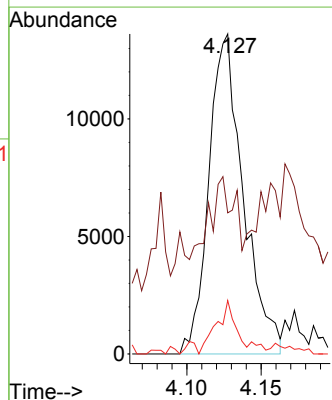
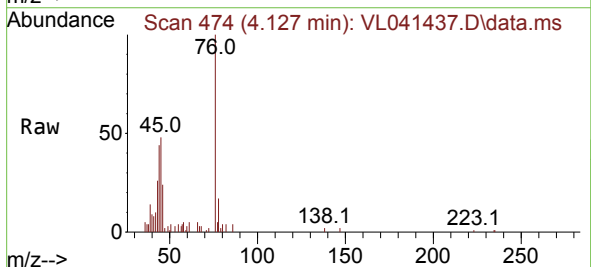
Ion	Ratio	Lower	Upper
57	100		
41	92.7	74.0	111.0
43	102.9	193.6	290.4#
56	54.0	43.1	64.7

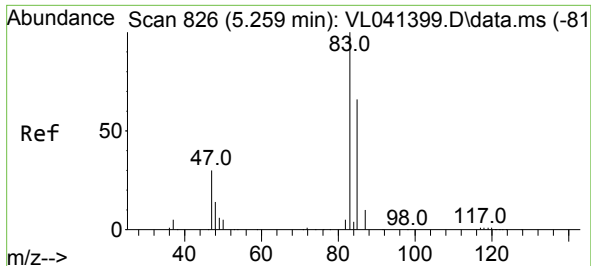


#27
Carbon Disulfide
Concen: 0.186 ppbv
RT: 4.127 min Scan# 474
Delta R.T. 0.019 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Tgt Ion: 76 Resp: 21963

Ion	Ratio	Lower	Upper
76	100		
44	45.3	15.6	23.4#
78	14.7	7.7	11.5#





#29

Chloroform

Concen: 0.140 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

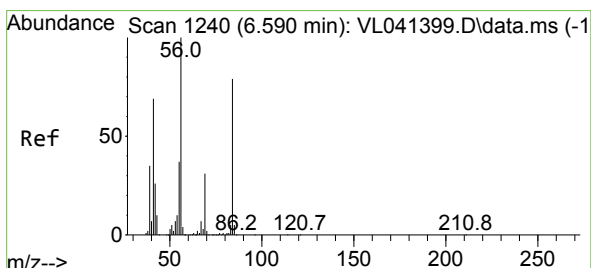
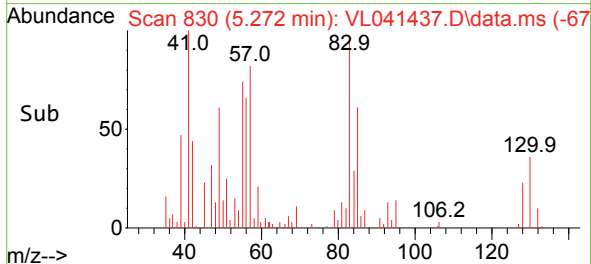
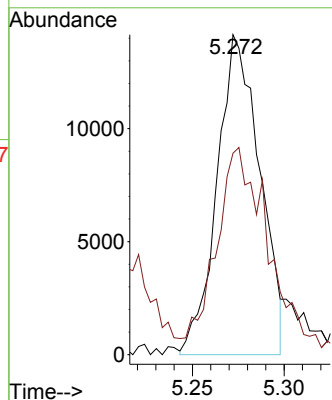
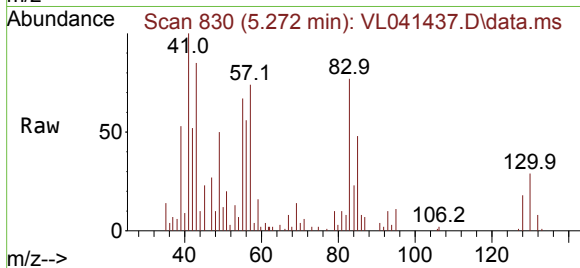
ClientSampleId :

Tgt Ion: 83 Resp: 22953

Ion Ratio Lower Upper

83 100

85 58.6 53.1 79.7



#30

Cyclohexane

Concen: 1.735 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.010 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

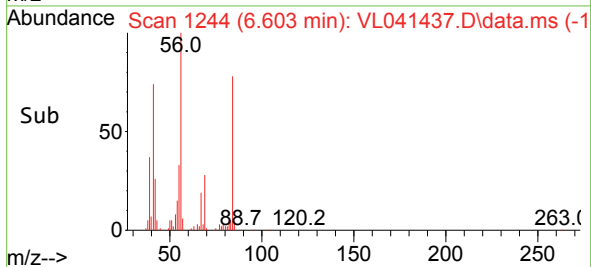
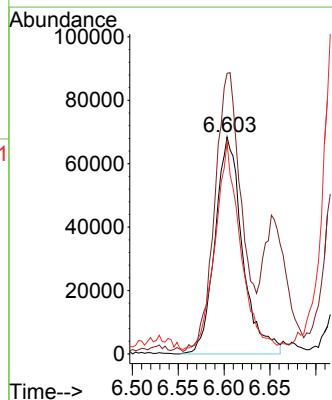
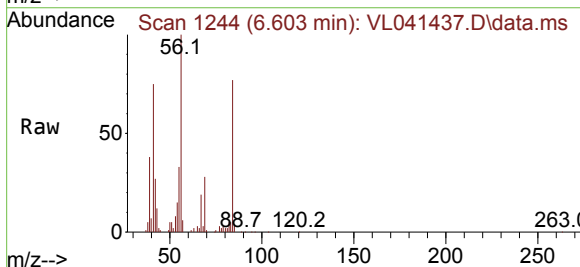
Tgt Ion: 84 Resp: 142408

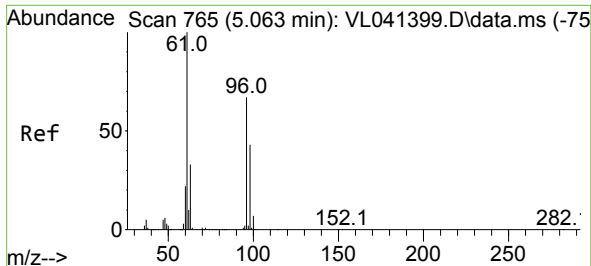
Ion Ratio Lower Upper

84 100

56 127.5 111.2 166.8

41 88.3 70.3 105.5

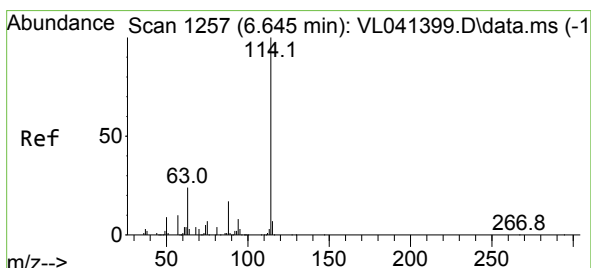
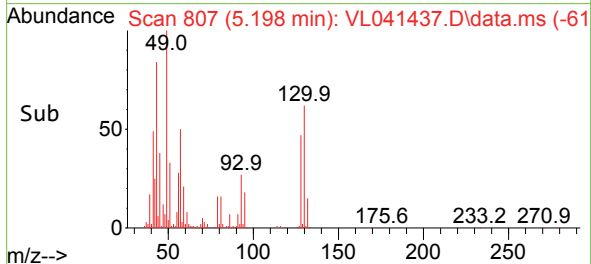
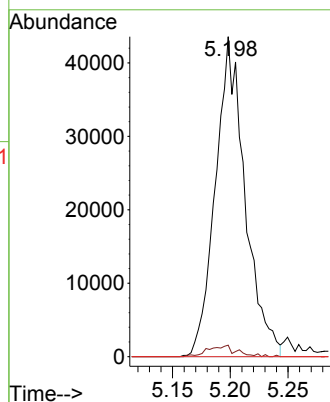
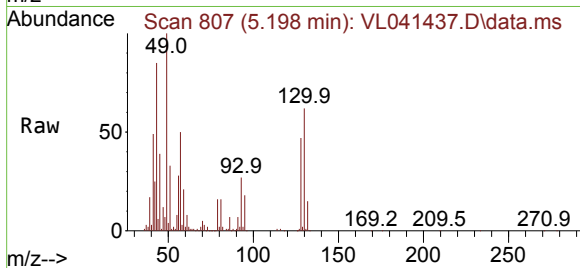




#31
 cis-1,2-Dichloroethene
 Concen: 0.779 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. 0.132 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

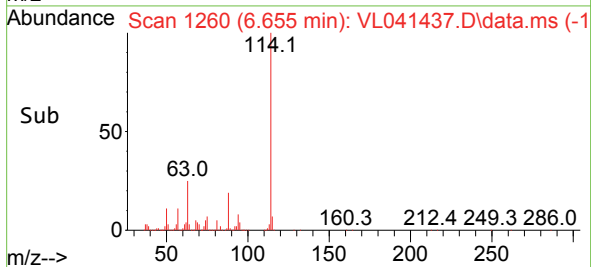
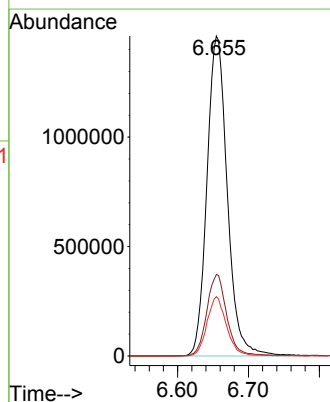
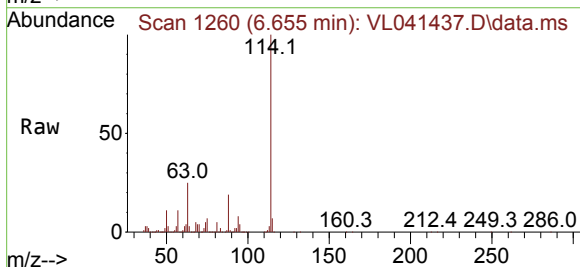
Instrument :
 MSVOA_L
 ClientSampleId :

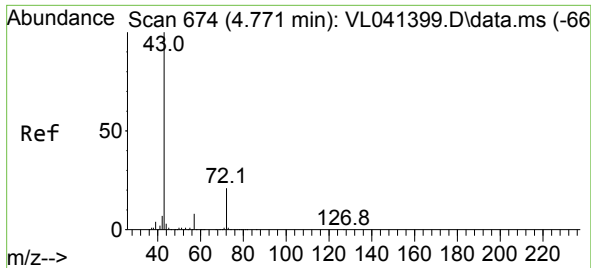
Tgt Ion: 61 Resp: 77610
 Ion Ratio Lower Upper
 61 100
 96 3.6 53.4 80.2#
 98 0.0 34.4 51.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.655 min Scan# 1260
 Delta R.T. 0.010 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

Tgt Ion:114 Resp: 2910344
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.3 30.5
 88 17.9 14.3 21.5

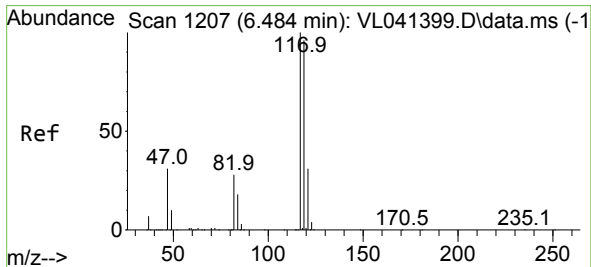
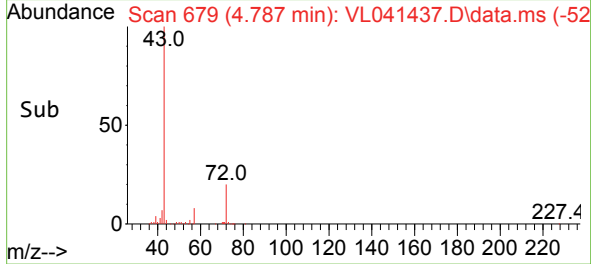
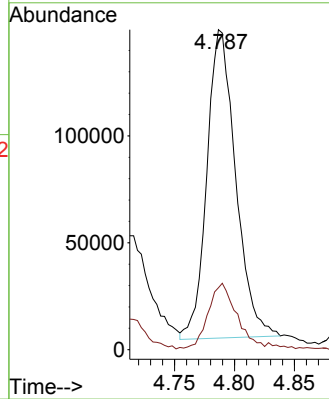
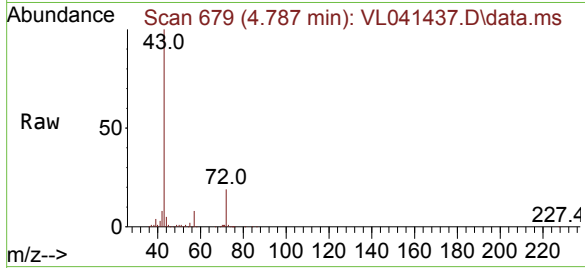




#34
2-Butanone
Concen: 1.714 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

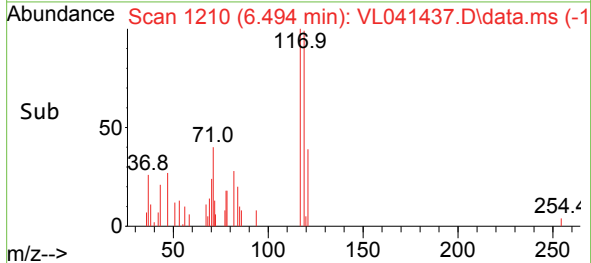
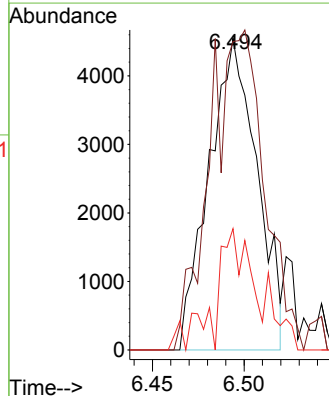
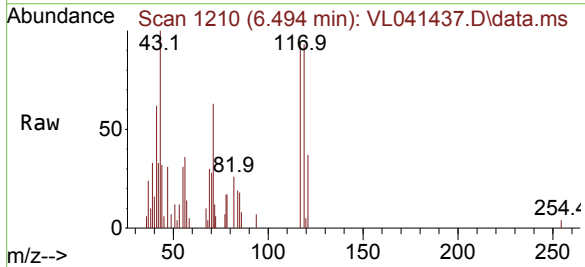
Instrument :
MSVOA_L
ClientSampleId :

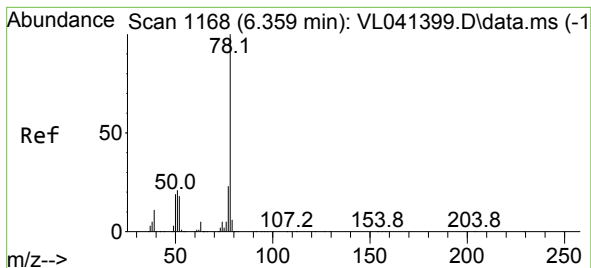
Tgt Ion: 43 Resp: 241339
Ion Ratio Lower Upper
43 100
72 23.0 17.3 25.9



#35
Carbon Tetrachloride
Concen: 0.052 ppbv
RT: 6.494 min Scan# 1210
Delta R.T. 0.010 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Tgt Ion: 117 Resp: 8310
Ion Ratio Lower Upper
117 100
119 91.2 76.6 115.0
121 31.1 25.1 37.7





#36

Benzene

Concen: 3.589 ppbv

RT: 6.372 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

ClientSampleId :

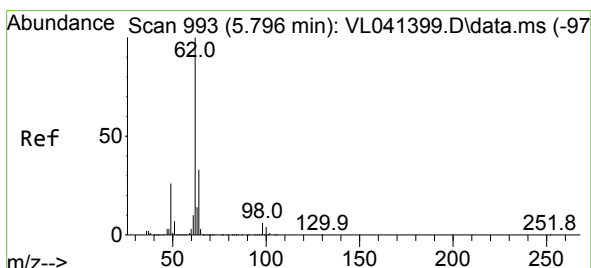
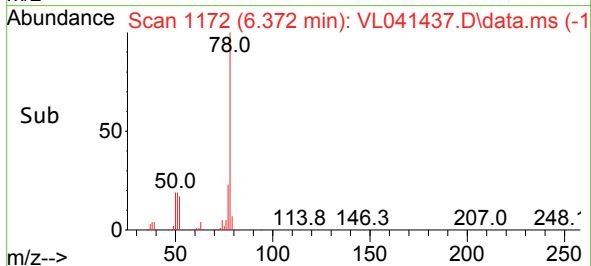
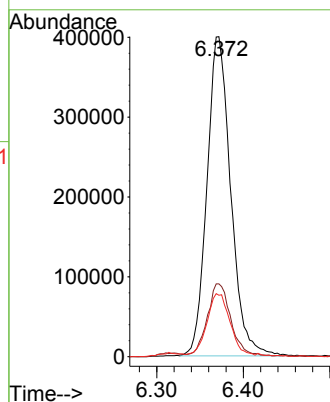
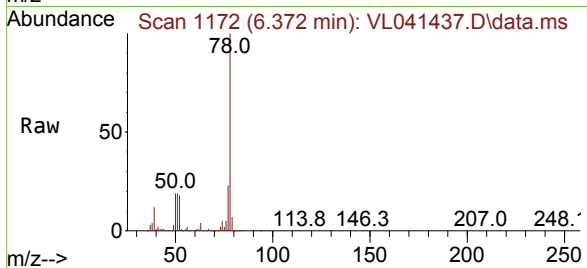
Tgt Ion: 78 Resp: 763233

Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

50 18.9 15.5 23.3



#37

1,2-Dichloroethane

Concen: 0.132 ppbv

RT: 5.809 min Scan# 997

Delta R.T. 0.013 min

Lab File: VL041437.D

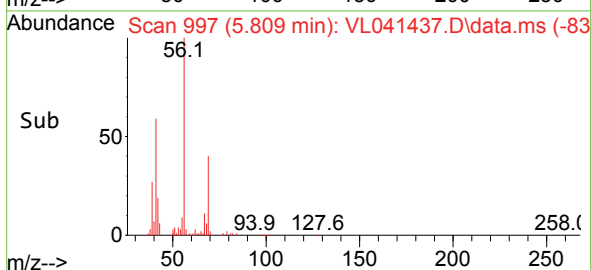
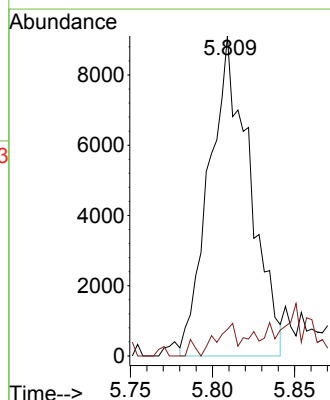
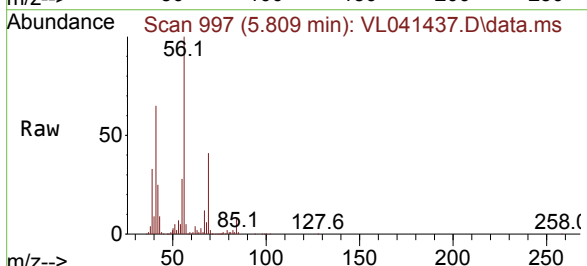
Acq: 29 Jul 2024 20:25

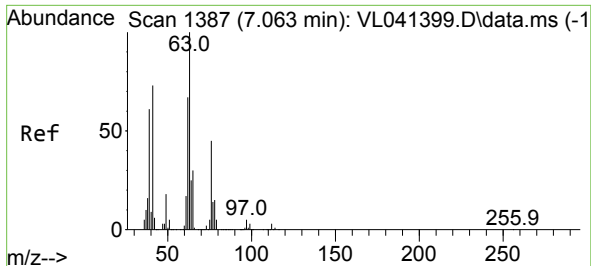
Tgt Ion: 62 Resp: 15662

Ion Ratio Lower Upper

62 100

98 0.0 5.0 7.4#





#39

1,2-Dichloropropane

Concen: 8.805 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.408 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

ClientSampleId :

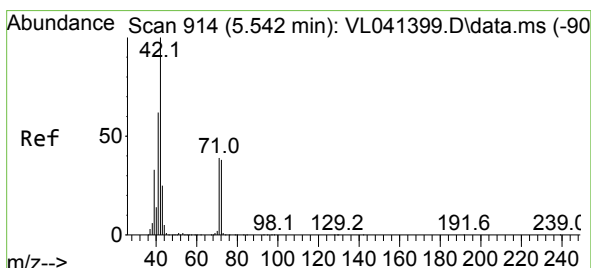
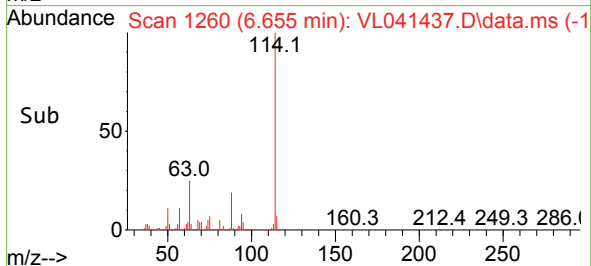
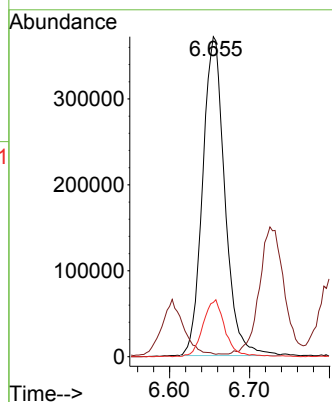
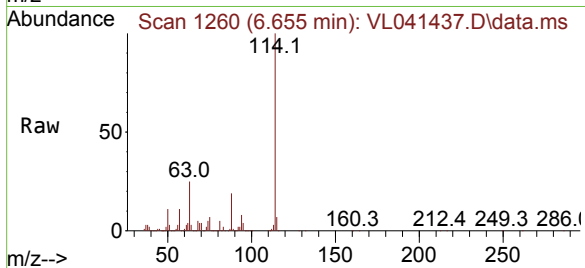
Tgt Ion: 63 Resp: 716887

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 16.9 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.230 ppbv

RT: 5.565 min Scan# 921

Delta R.T. 0.019 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

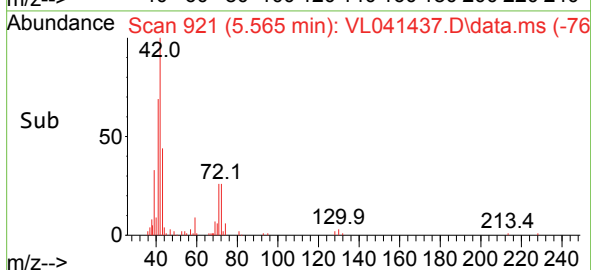
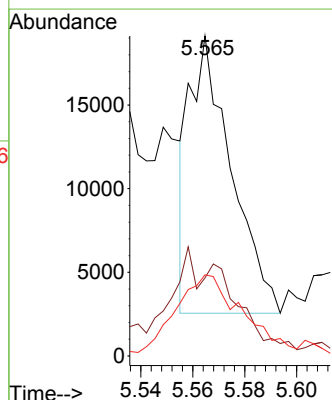
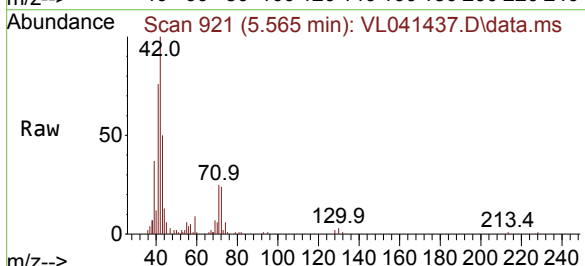
Tgt Ion: 42 Resp: 18547

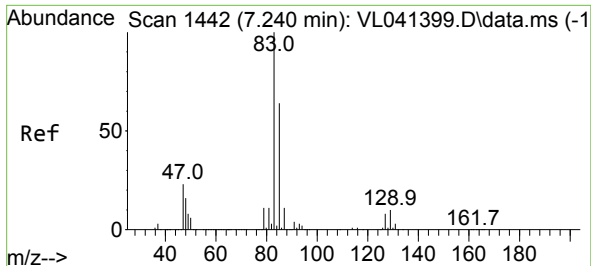
Ion Ratio Lower Upper

42 100

72 76.0 31.2 46.8#

71 53.8 30.5 45.7#

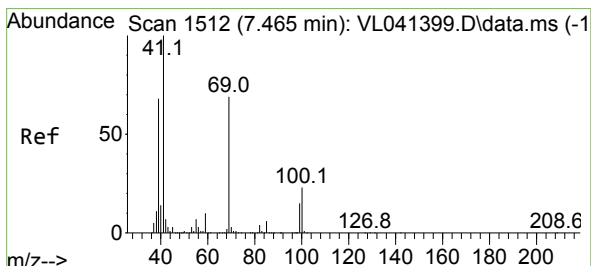
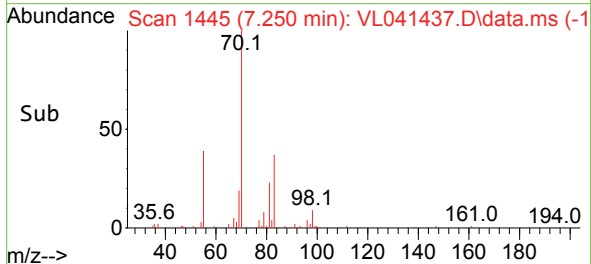
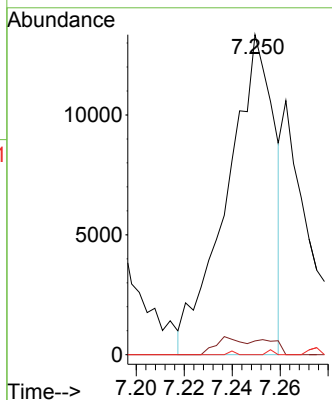
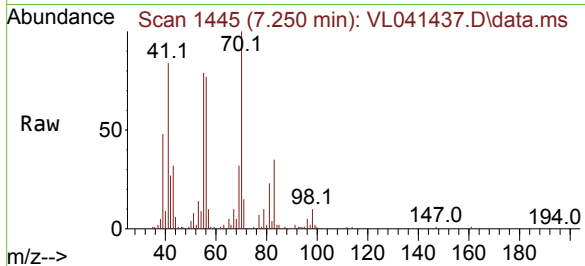




#42
Bromodichloromethane
Concen: 0.106 ppbv
RT: 7.250 min Scan# 1442
Delta R.T. 0.010 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

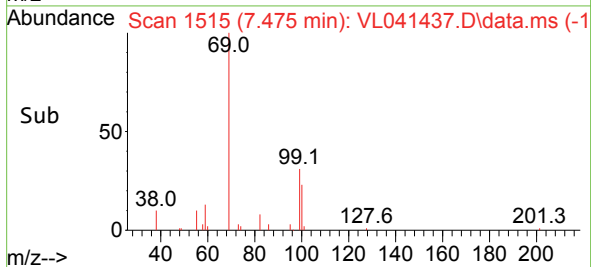
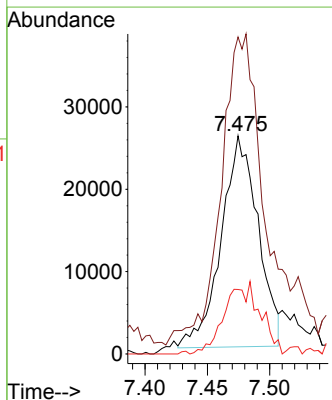
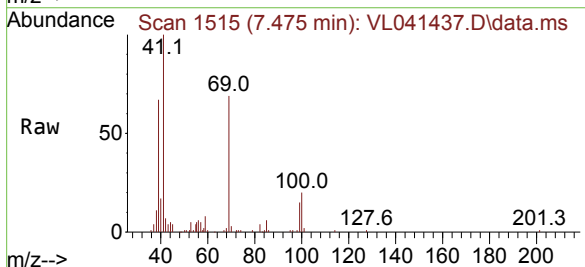
Instrument :
MSVOA_L
ClientSampleId :

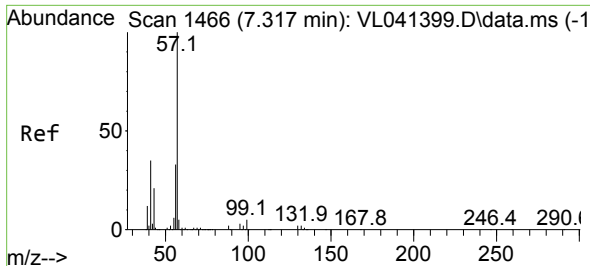
Tgt Ion: 83 Resp: 18230
Ion Ratio Lower Upper
83 100
85 4.7 51.4 77.0#
127 0.0 6.7 10.1#



#43
Methyl Methacrylate
Concen: 0.693 ppbv
RT: 7.475 min Scan# 1515
Delta R.T. 0.010 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Tgt Ion: 69 Resp: 52871
Ion Ratio Lower Upper
69 100
41 187.8 118.7 178.1#
100 33.8 27.0 40.4

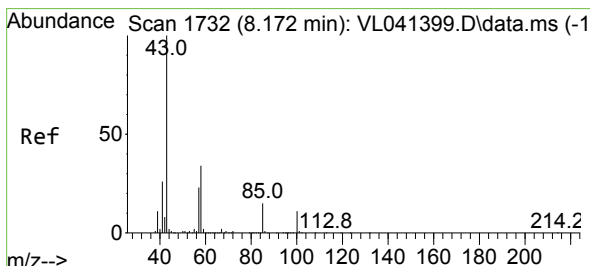
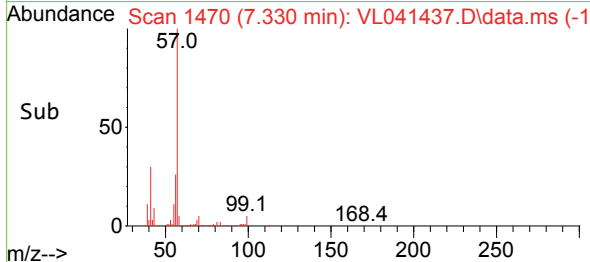
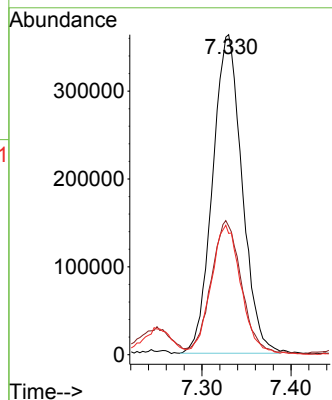
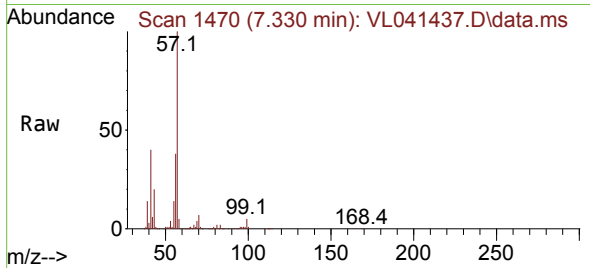




#44
 2,2,4-Trimethylpentane
 Concen: 2.346 ppbv
 RT: 7.330 min Scan# 1466
 Delta R.T. 0.013 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

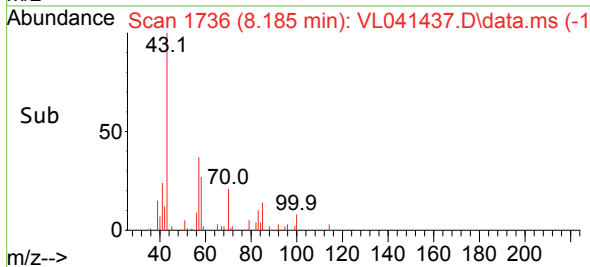
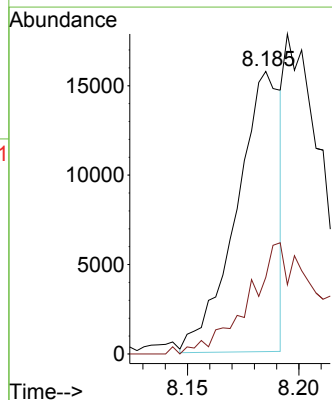
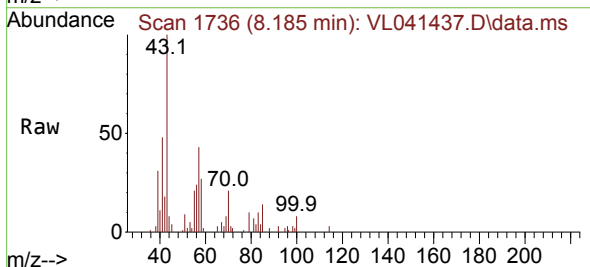
Instrument :
 MSVOA_L
 ClientSampleId :

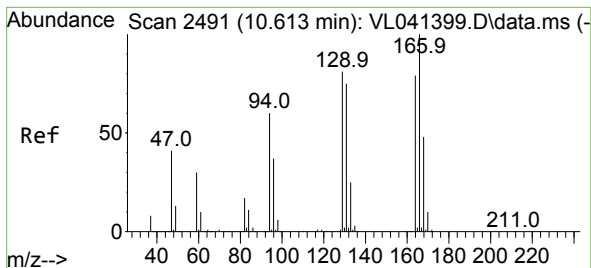
Tgt Ion: 57 Resp: 833248
 Ion Ratio Lower Upper
 57 100
 41 43.2 27.0 40.6#
 56 42.0 25.2 37.8#



#50
 4-Methyl-2-Pentanone
 Concen: 0.097 ppbv
 RT: 8.185 min Scan# 1736
 Delta R.T. 0.013 min
 Lab File: VL041437.D
 Acq: 29 Jul 2024 20:25

Tgt Ion: 43 Resp: 21483
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.9 41.9#





#52

Tetrachloroethene

Concen: 0.072 ppbv

RT: 10.616 min Scan# 2491

Delta R.T. 0.006 min

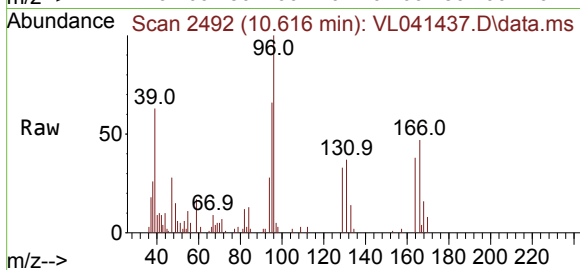
Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 5908

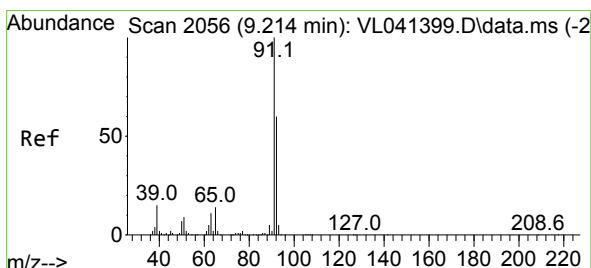
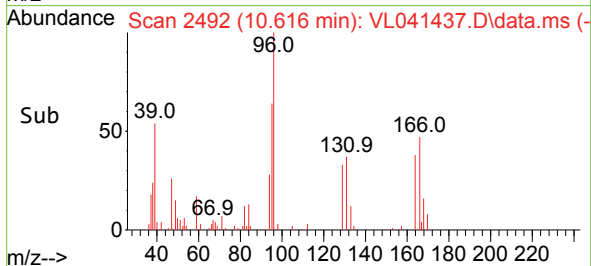
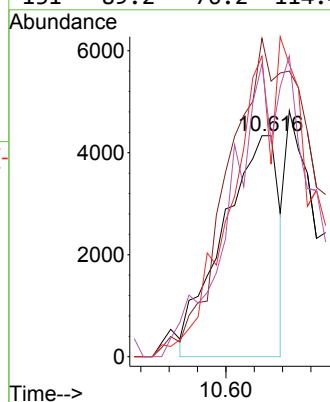
Ion Ratio Lower Upper

164 100

166 128.4 101.1 151.7

129 86.4 81.7 122.5

131 89.2 76.2 114.4



#53

Toluene

Concen: 12.685 ppbv

RT: 9.220 min Scan# 2058

Delta R.T. 0.003 min

Lab File: VL041437.D

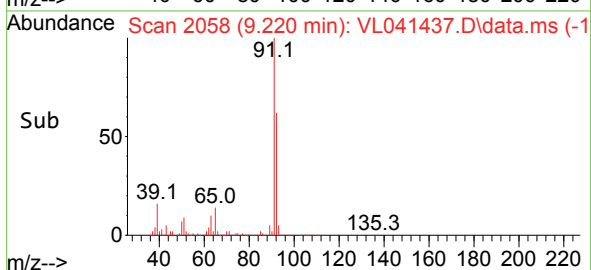
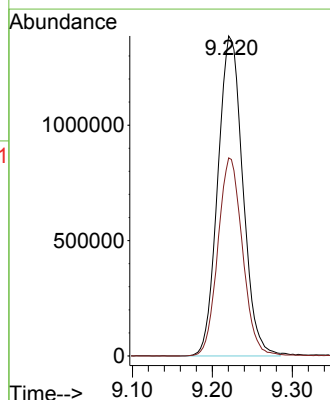
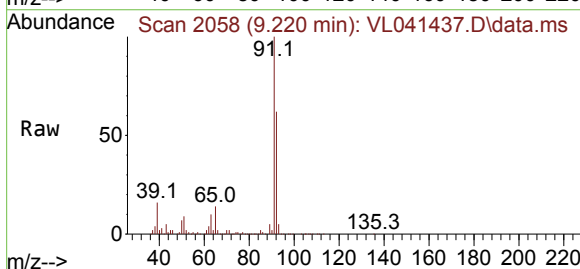
Acq: 29 Jul 2024 20:25

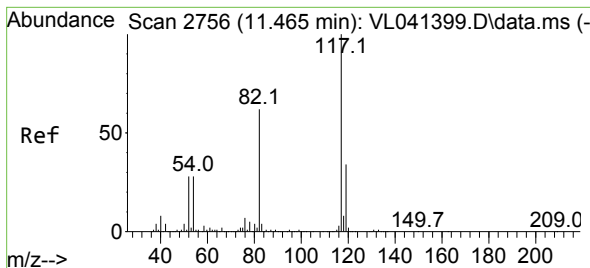
Tgt Ion: 91 Resp: 3004756

Ion Ratio Lower Upper

91 100

92 61.3 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

ClientSampleId :

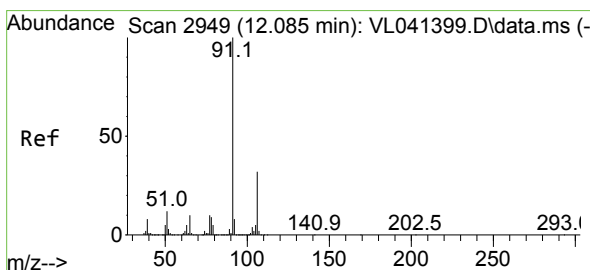
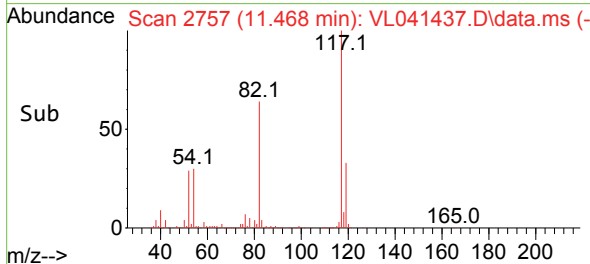
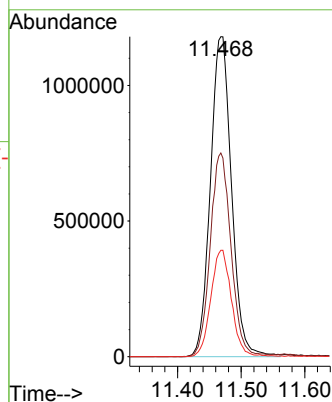
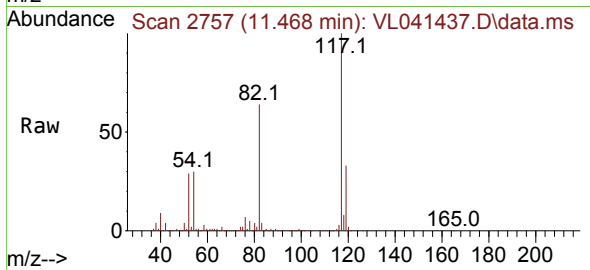
Tgt Ion:117 Resp: 2719407

Ion Ratio Lower Upper

117 100

82 63.1 51.0 76.6

119 32.6 45.2 67.8#



#58

Ethyl Benzene

Concen: 2.747 ppbv

RT: 12.092 min Scan# 2951

Delta R.T. 0.006 min

Lab File: VL041437.D

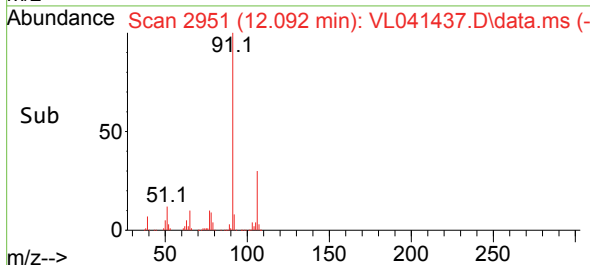
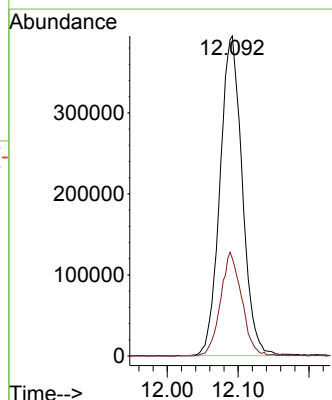
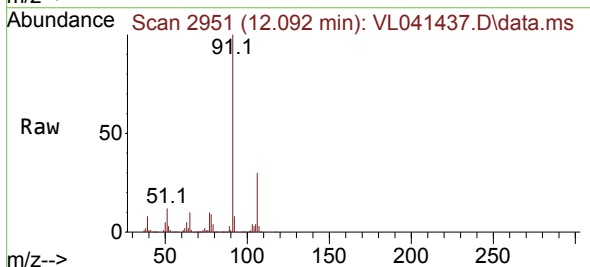
Acq: 29 Jul 2024 20:25

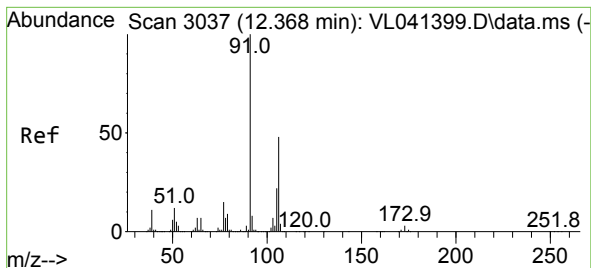
Tgt Ion: 91 Resp: 860980

Ion Ratio Lower Upper

91 100

106 30.5 25.8 38.8

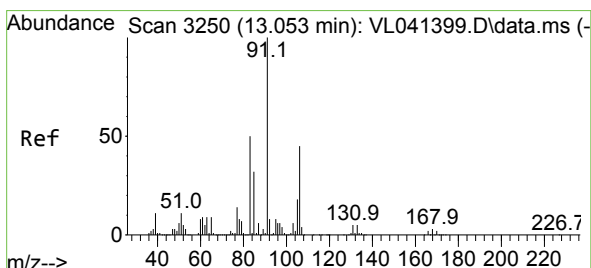
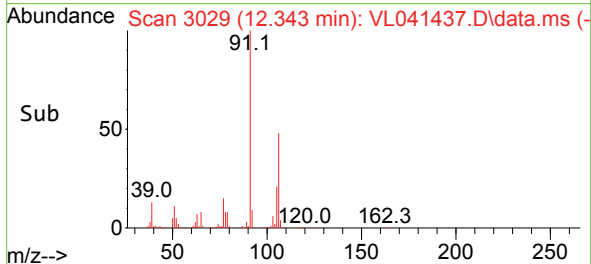
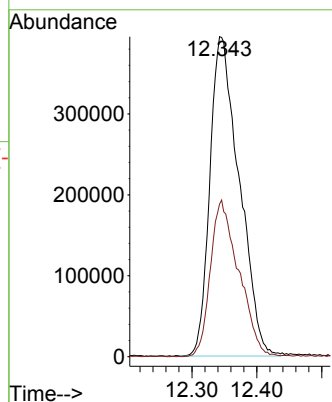
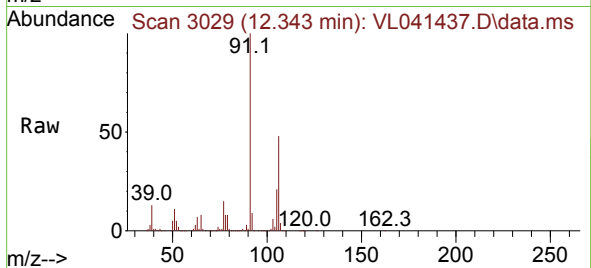




#59
m/p-Xylene
Concen: 4.572 ppbv
RT: 12.343 min Scan# 3037
Delta R.T. -0.026 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

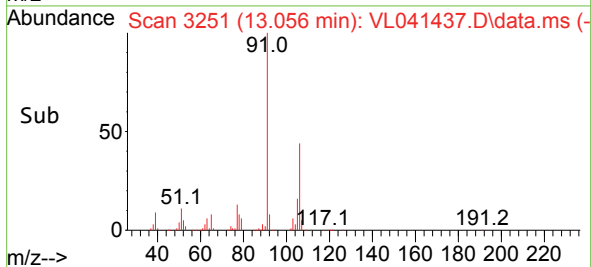
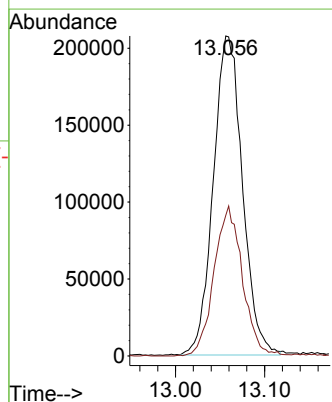
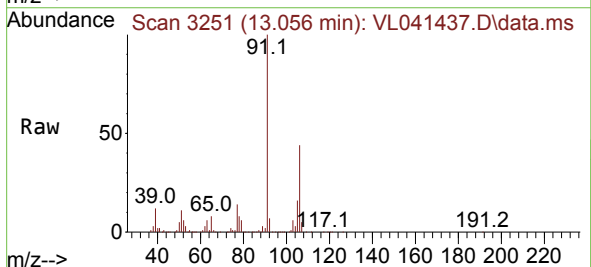
Instrument :
MSVOA_L
ClientSampleId :

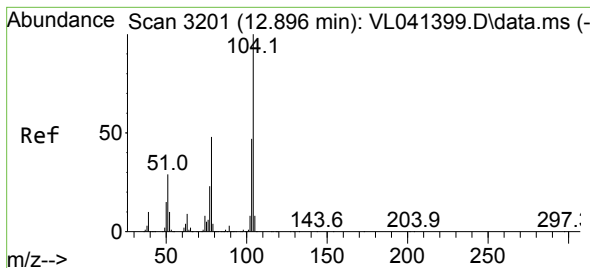
Tgt Ion: 91 Resp: 1237086
Ion Ratio Lower Upper
91 100
106 47.4 36.3 54.5



#60
o-Xylene
Concen: 1.839 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Tgt Ion: 91 Resp: 470594
Ion Ratio Lower Upper
91 100
106 46.3 23.1 69.3





#61

Styrene

Concen: 3.984 ppbv

RT: 12.896 min Scan# 31

Delta R.T. -0.000 min

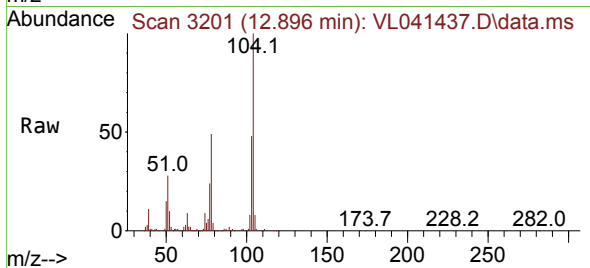
Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

ClientSampleId :



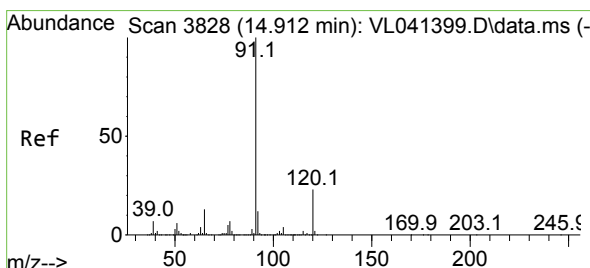
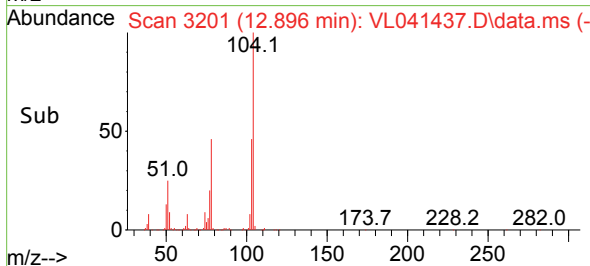
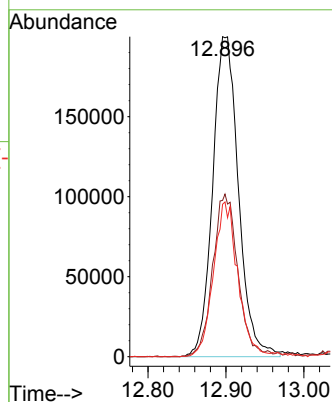
Tgt Ion:104 Resp: 460062

Ion Ratio Lower Upper

104 100

78 50.3 40.8 61.2

103 46.5 38.2 57.4



#64

n-propylbenzene

Concen: 0.070 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.003 min

Lab File: VL041437.D

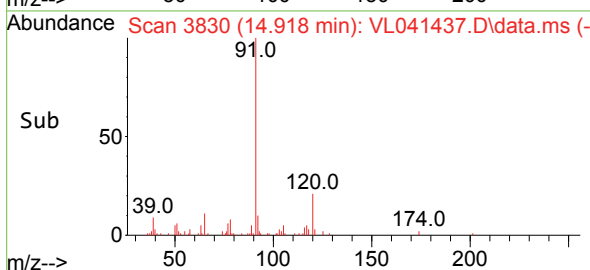
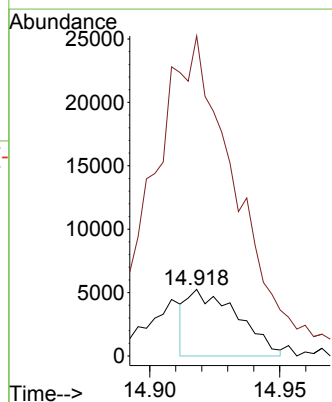
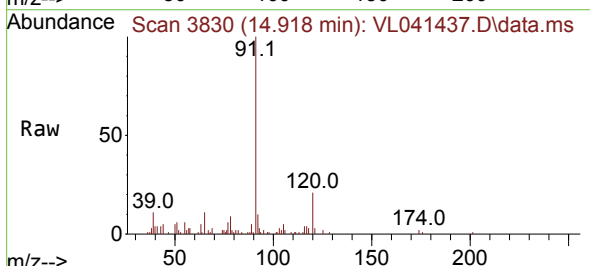
Acq: 29 Jul 2024 20:25

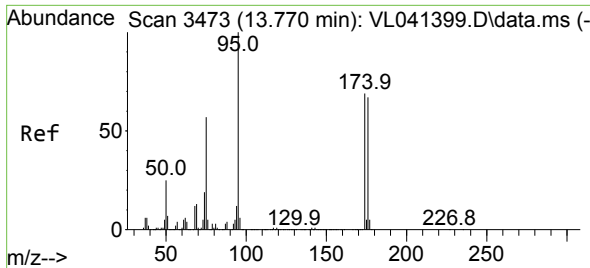
Tgt Ion:120 Resp: 7117

Ion Ratio Lower Upper

120 100

91 802.6 361.4 542.0#

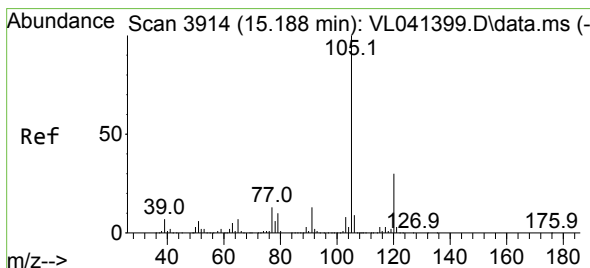
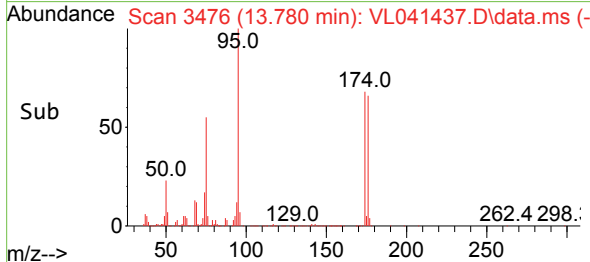
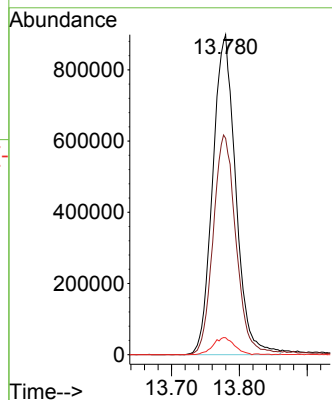
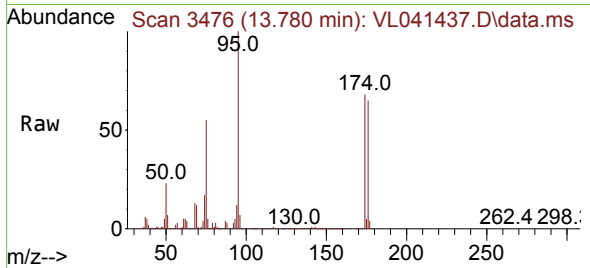




#68
1-Bromo-4-Fluorobenzene
Concen: 10.124 ppbv
RT: 13.780 min Scan# 3473
Delta R.T. 0.006 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

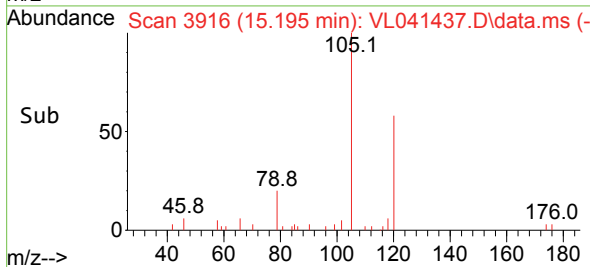
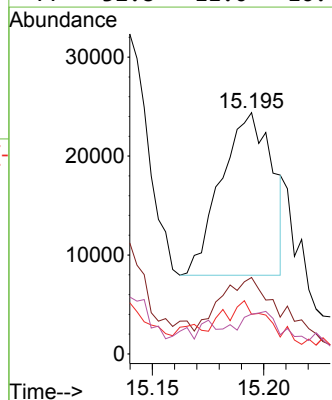
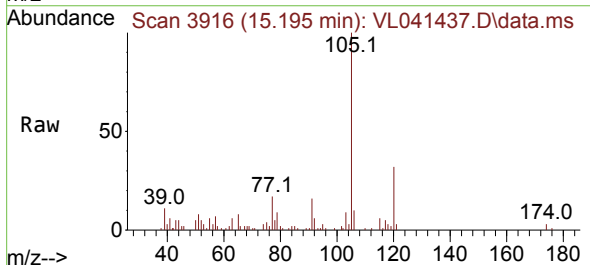
Instrument :
MSVOA_L
ClientSampleId :

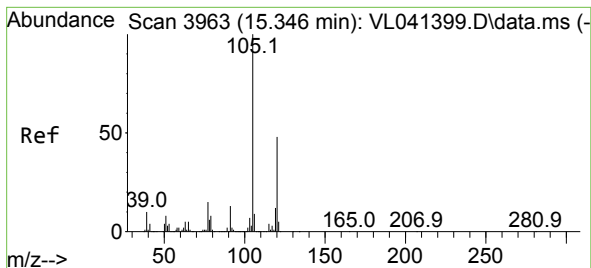
Tgt Ion: 95 Resp: 2118775
Ion Ratio Lower Upper
95 100
174 69.2 56.3 84.5
175 5.1 4.0 6.0



#72
4-Ethyltoluene
Concen: 0.087 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041437.D
Acq: 29 Jul 2024 20:25

Tgt Ion:105 Resp: 26234
Ion Ratio Lower Upper
105 100
120 66.5 24.2 36.2#
91 48.6 10.4 15.6#
77 32.8 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.109 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Instrument :

MSVOA_L

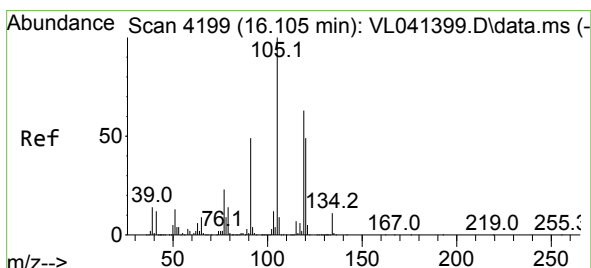
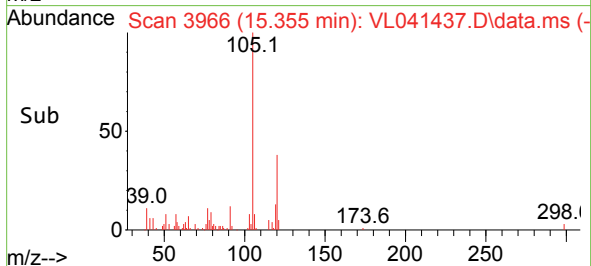
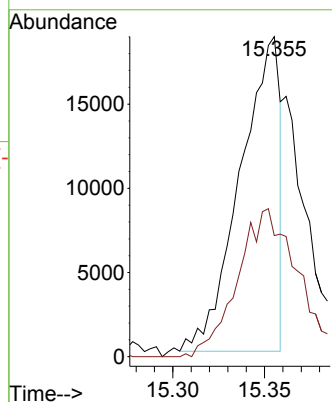
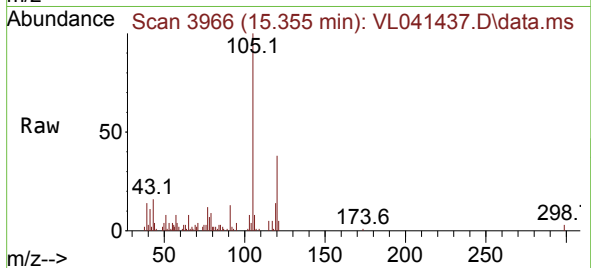
ClientSampleId :

Tgt Ion:105 Resp: 28232

Ion Ratio Lower Upper

105 100

120 38.5 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.559 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. -0.000 min

Lab File: VL041437.D

Acq: 29 Jul 2024 20:25

Tgt Ion:105 Resp: 168842

Ion Ratio Lower Upper

105 100

120 39.9 39.5 59.3

91 11.7 39.8 59.8#

77 12.5 18.2 27.4#

