

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041582.D
 Acq On : 22 Aug 2024 11:33
 Operator : SY/MD
 Sample : P3710-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 23 01:30:03 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 : Fri Aug 23 01:15:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	948361	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2493518	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2375519	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1814620	9.926	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	37230	0.228	ppbv	93
3) Chlorodifluoromethane	2.671	51	1063123	9.417	ppbv #	61
4) Chloromethane	2.828	50	44367	0.739	ppbv	95
7) Chloroethane	3.214	64	1024	0.050	ppbv #	79
9) Propene	2.886	41	488144	9.412	ppbv	91
10) Heptane	7.577	43	67964	0.583	ppbv #	27
11) Trichlorofluoromethane	3.571	101	35757	0.247	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.076	101	3810	0.037	ppbv #	5
13) Ethanol	3.253	45	3122287	673.577	ppbv	96
15) Acetone	3.475	43	3906085	36.250	ppbv #	83
16) 1,3-Butadiene	2.980	39	37352	0.649	ppbv #	10
17) tert-Butyl alcohol	3.896	59	182394	1.856	ppbv #	72
19) Isopropyl Alcohol	3.587	45	3432879	54.494	ppbv	99
20) Methylene Chloride	3.941	84	153424	3.818	ppbv	98
21) Allyl Chloride	3.893	41	67282	0.952	ppbv #	57
22) trans-1,2-Dichloroethene	4.455	96	12650	0.283	ppbv #	75
23) Vinyl Acetate	4.616	43	202912	2.466	ppbv #	44
25) Ethyl Acetate	5.198	43	2518332	11.764	ppbv #	77
26) Hexane	5.214	57	164796	1.856	ppbv #	1
27) Carbon Disulfide	4.134	76	70679	0.680	ppbv #	86
28) Methyl tert-Butyl Ether	4.590	73	7674	0.137	ppbv #	77
29) Chloroform	5.278	83	65342	0.451	ppbv	93
30) Cyclohexane	6.600	84	51804	0.716	ppbv #	88
31) cis-1,2-Dichloroethene	5.198	61	319681	3.644	ppbv #	23
34) 2-Butanone	4.787	43	491212	4.072	ppbv	99
37) 1,2-Dichloroethane	5.809	62	131862	1.293	ppbv #	94
39) 1,2-Dichloropropane	6.651	63	617791	8.857	ppbv #	25
41) Tetrahydrofuran	5.561	42	12270	0.178	ppbv #	52
43) Methyl Methacrylate	7.468	69	29958	0.459	ppbv #	10
44) 2,2,4-Trimethylpentane	7.320	57	1617033	5.314	ppbv	96
50) 4-Methyl-2-Pentanone	8.179	43	79119	0.416	ppbv	95
51) 2-Hexanone	9.526	43	11293	0.078	ppbv #	66
52) Tetrachloroethene	10.603	164	119128	1.692	ppbv	94
53) Toluene	9.214	91	10397409	51.232	ppbv	94
58) Ethyl Benzene	12.076	91	508925	1.859	ppbv	100
59) m/p-Xylene	12.330	91	873069	3.694	ppbv	95
60) o-Xylene	13.047	91	358381	1.603	ppbv	99
61) Styrene	12.889	104	400936	3.975	ppbv	99
62) Isopropylbenzene	14.014	105	10355	0.030	ppbv #	42
64) n-propylbenzene	14.902	120	2692	0.030	ppbv #	1
69) p-Isopropyltoluene	16.985	119	31277	0.089	ppbv #	45
72) 4-Ethyltoluene	15.178	105	8545	0.032	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.336	105	11405	0.050	ppbv	100

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Instrument :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Aug 23 01:15:26 2024
Response via : Initial Calibration

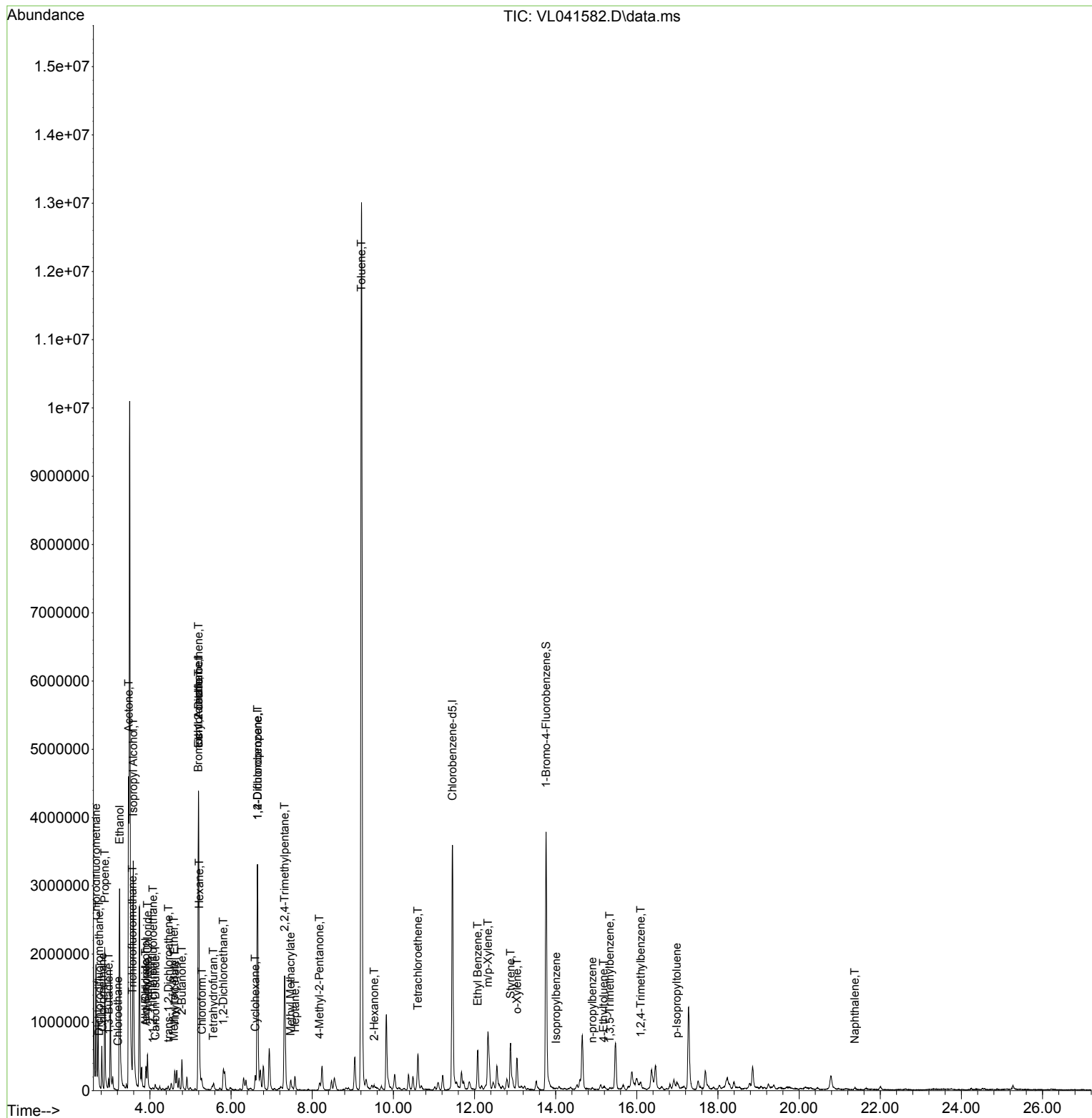
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.098	105	64691	0.245	ppbv #	73
79) Naphthalene	21.371	128	11118	0.048	ppbv #	92

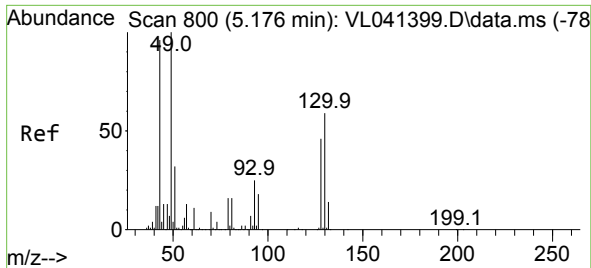
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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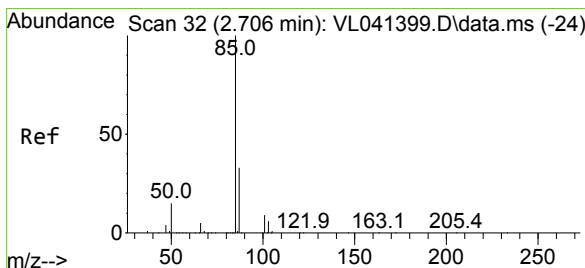
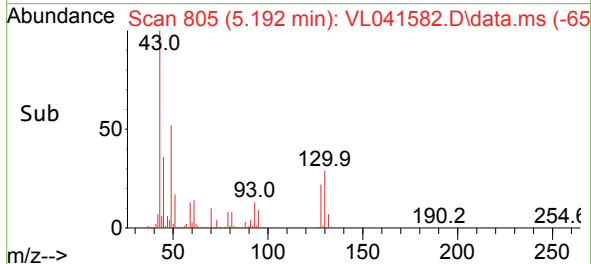
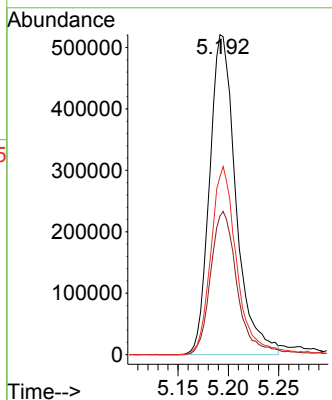
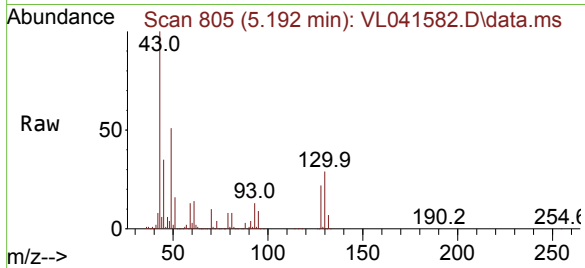




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041582.D
 Acq: 22 Aug 2024 11:33

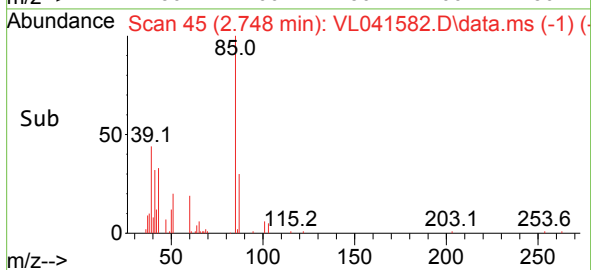
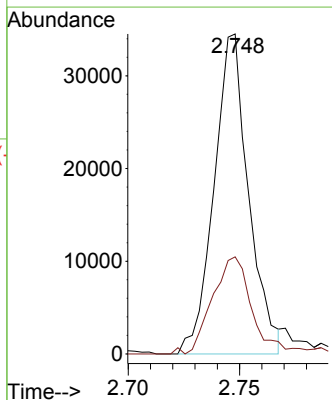
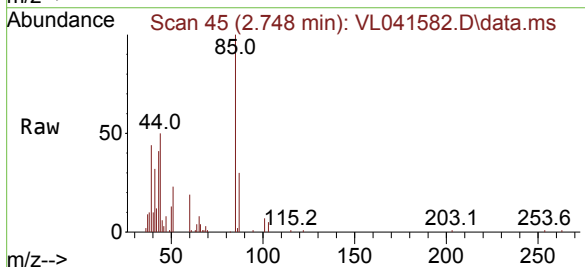
Instrument :
 MSVOA_L
 ClientSampleId :

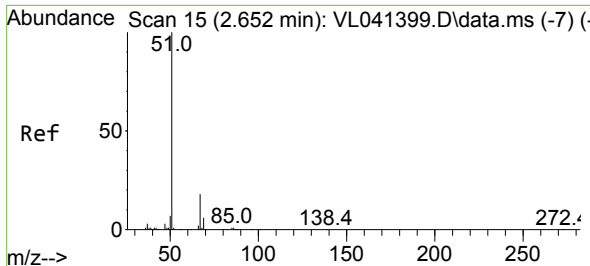
Tgt Ion: 49 Resp: 948361
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.8 71.4
 130 59.5 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 0.228 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. 0.003 min
 Lab File: VL041582.D
 Acq: 22 Aug 2024 11:33

Tgt Ion: 85 Resp: 37230
 Ion Ratio Lower Upper
 85 100
 87 28.4 26.0 39.0

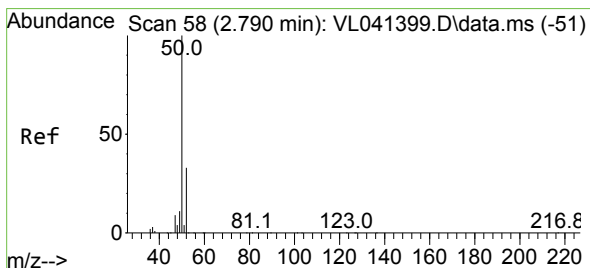
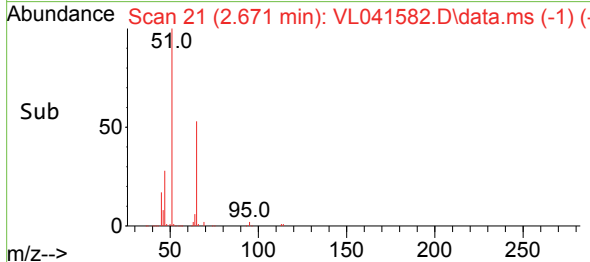
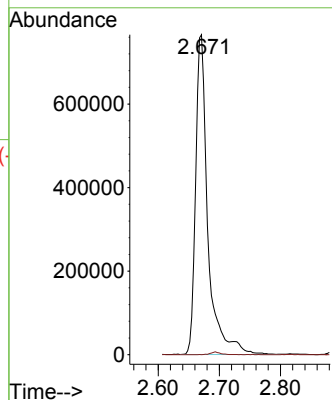
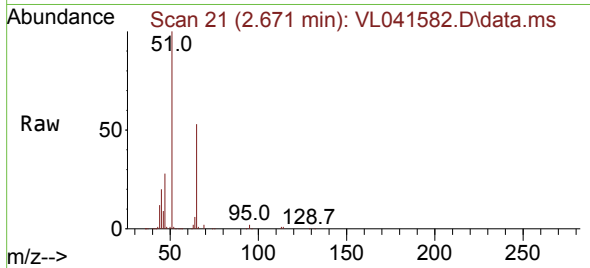




#3
Chlorodifluoromethane
Concen: 9.417 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

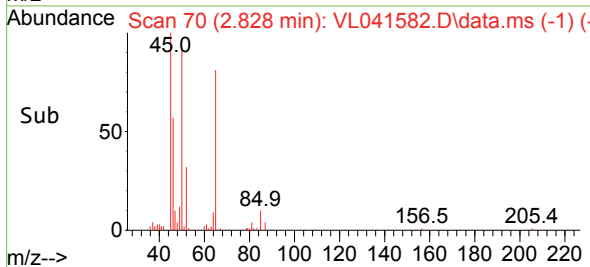
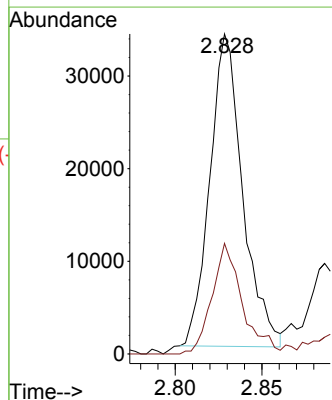
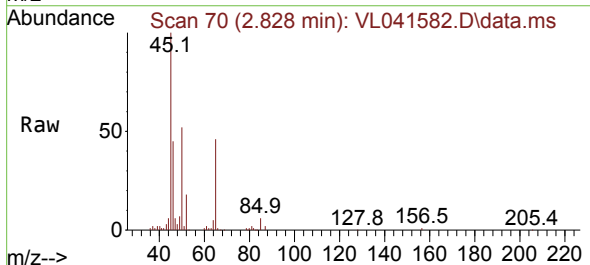
Instrument :
MSVOA_L
ClientSampleId :

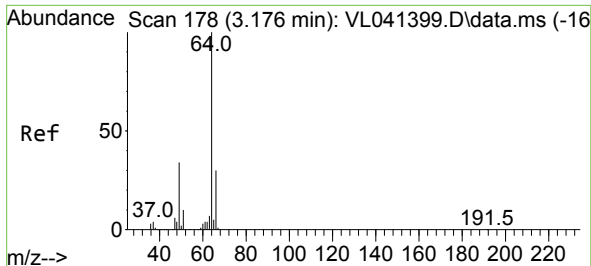
Tgt Ion: 51 Resp: 1063123
Ion Ratio Lower Upper
51 100
67 0.8 14.5 21.7#



#4
Chloromethane
Concen: 0.739 ppbv
RT: 2.828 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 50 Resp: 44367
Ion Ratio Lower Upper
50 100
52 35.5 26.1 39.1

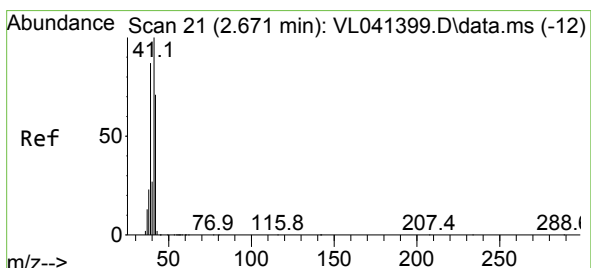
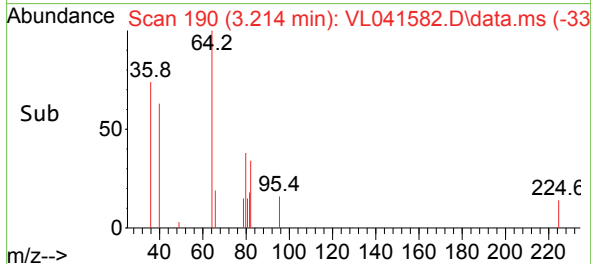
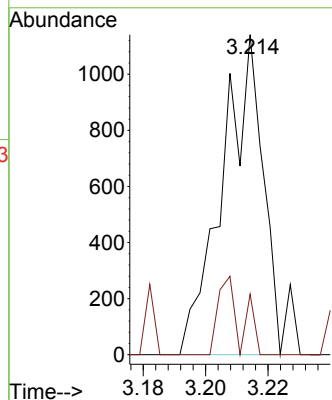
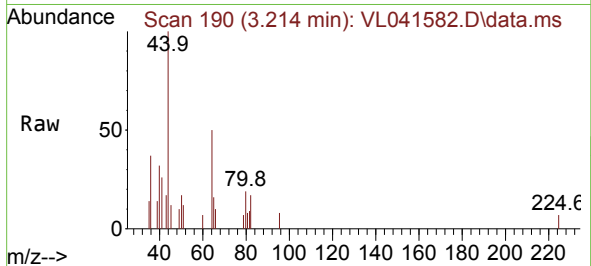




#7
Chloroethane
Concen: 0.050 ppbv
RT: 3.214 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

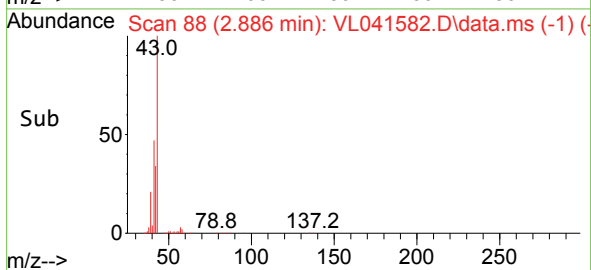
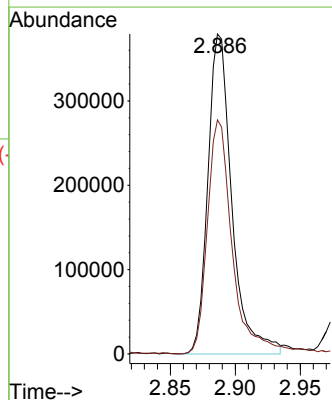
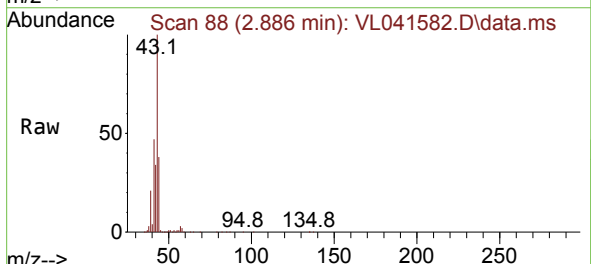
Instrument :
MSVOA_L
ClientSampleId :

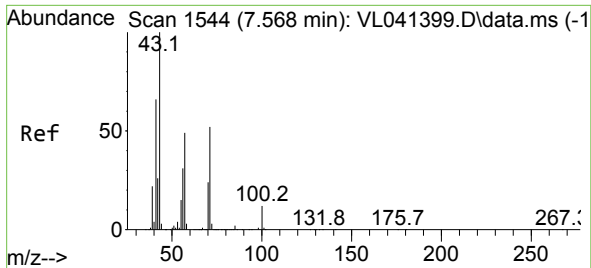
Tgt Ion: 64 Resp: 1024
Ion Ratio Lower Upper
64 100
66 18.9 24.2 36.2#



#9
Propene
Concen: 9.412 ppbv
RT: 2.886 min Scan# 88
Delta R.T. 0.177 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 41 Resp: 488144
Ion Ratio Lower Upper
41 100
42 77.0 55.9 83.9

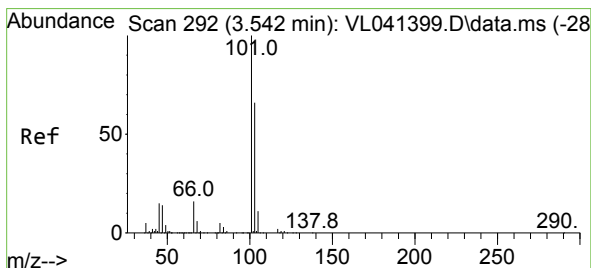
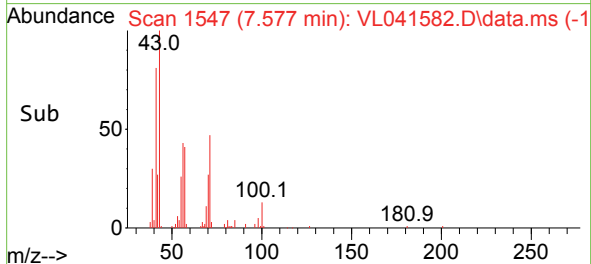
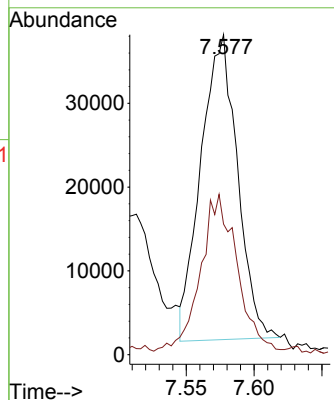
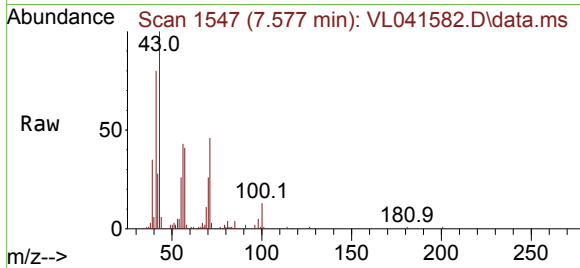




#10
Heptane
Concen: 0.583 ppbv
RT: 7.577 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

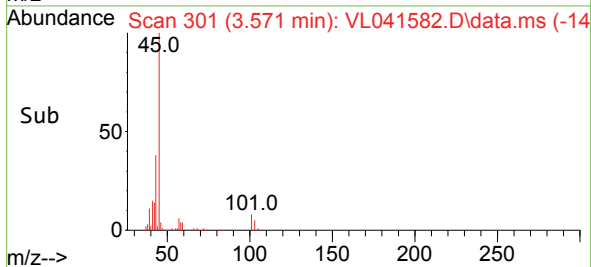
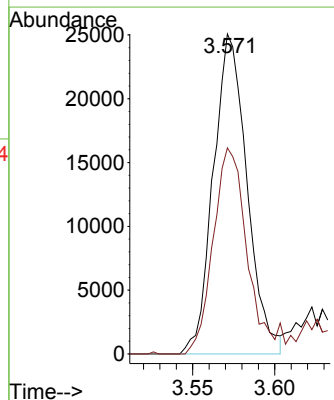
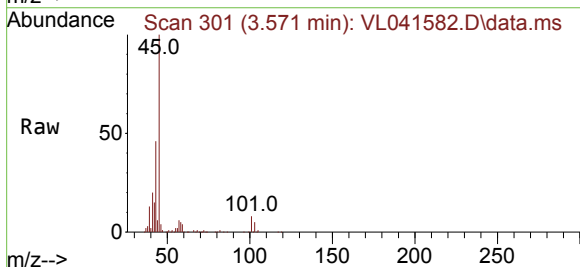
Instrument :
MSVOA_L
ClientSampleId :

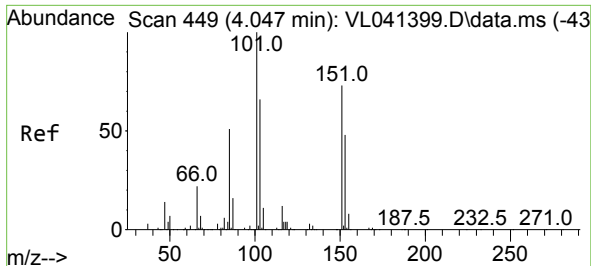
Tgt Ion: 43 Resp: 67964
Ion Ratio Lower Upper
43 100
57 0.0 40.5 60.7#



#11
Trichlorofluoromethane
Concen: 0.247 ppbv
RT: 3.571 min Scan# 301
Delta R.T. -0.000 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 101 Resp: 35757
Ion Ratio Lower Upper
101 100
103 64.4 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.037 ppbv

RT: 4.076 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

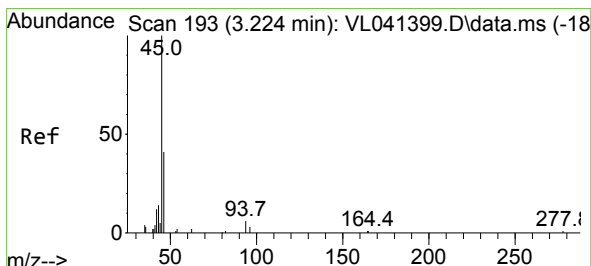
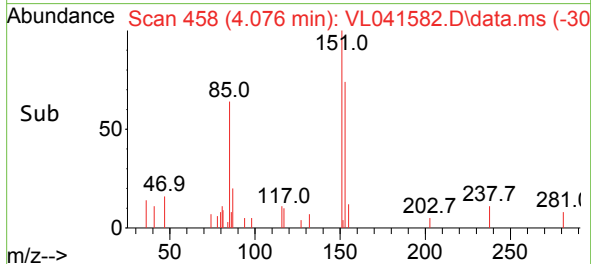
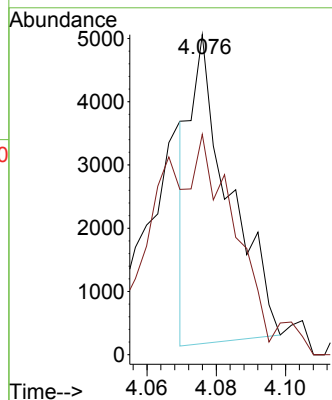
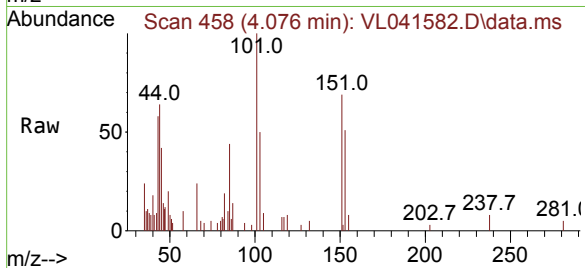
ClientSampleId :

Tgt Ion:101 Resp: 3810

Ion Ratio Lower Upper

101 100

151 155.0 59.4 89.2#



#13

Ethanol

Concen: 673.577 ppbv

RT: 3.253 min Scan# 202

Delta R.T. -0.010 min

Lab File: VL041582.D

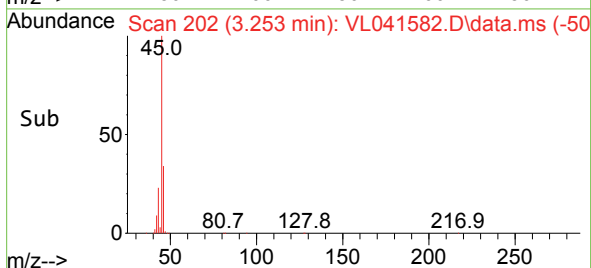
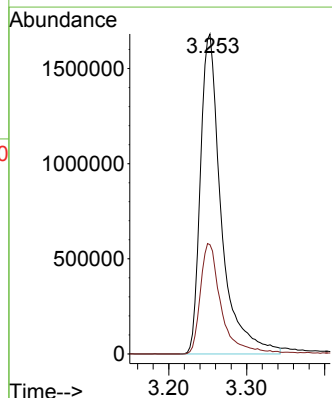
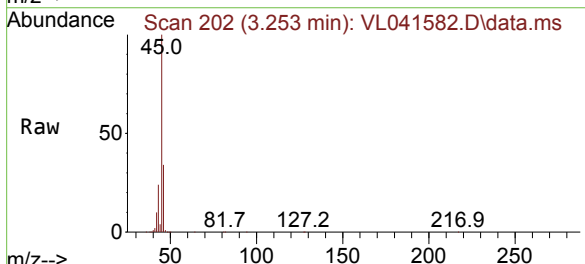
Acq: 22 Aug 2024 11:33

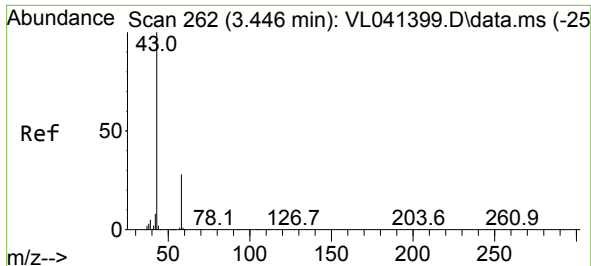
Tgt Ion: 45 Resp: 3122287

Ion Ratio Lower Upper

45 100

46 35.6 13.4 53.4

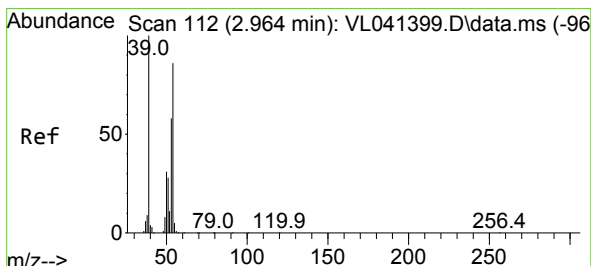
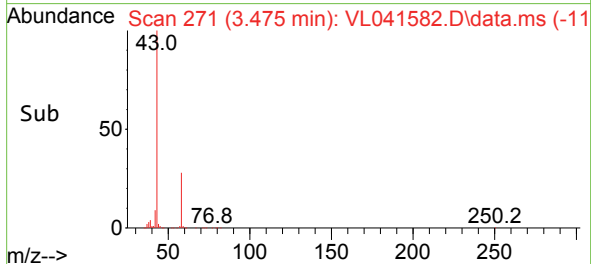
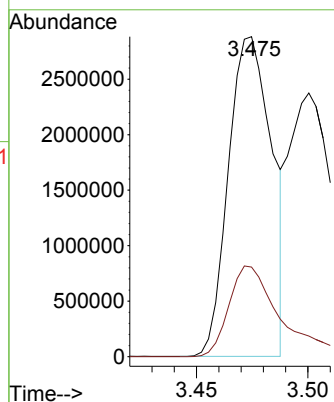
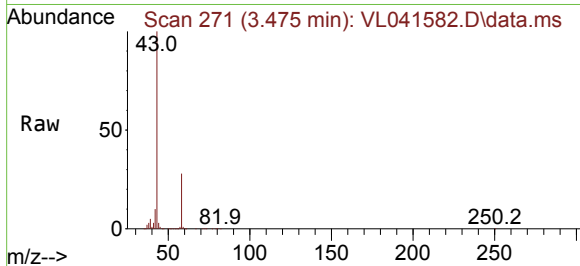




#15
Acetone
Concen: 36.250 ppbv
RT: 3.475 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

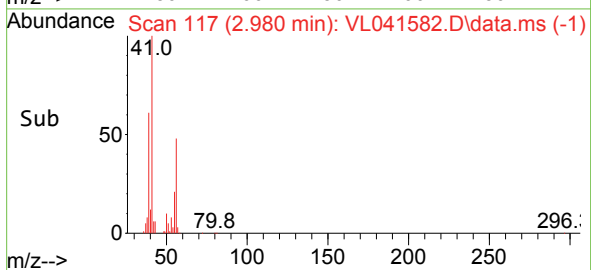
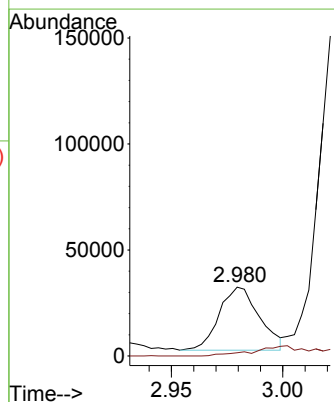
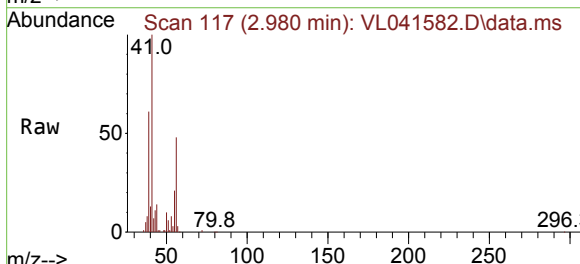
Instrument :
MSVOA_L
ClientSampleId :

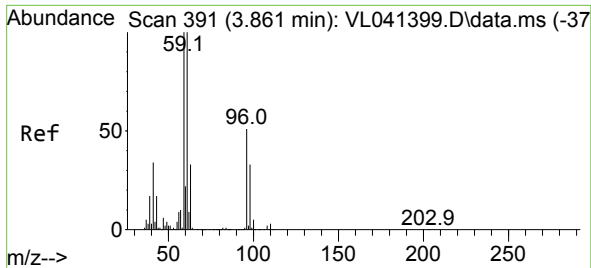
Tgt Ion: 43 Resp: 3906085
Ion Ratio Lower Upper
43 100
58 35.3 21.4 32.2#



#16
1,3-Butadiene
Concen: 0.649 ppbv
RT: 2.980 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 39 Resp: 37352
Ion Ratio Lower Upper
39 100
54 0.0 62.5 93.7#

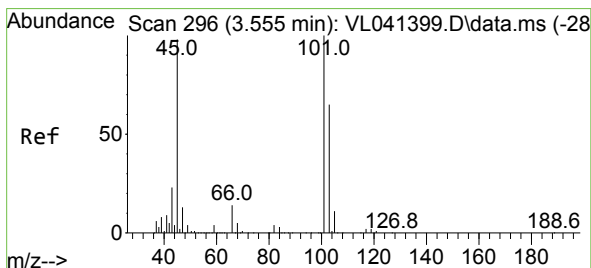
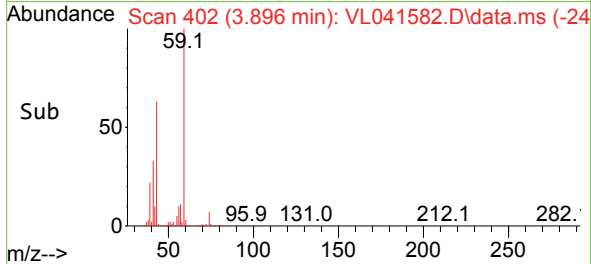
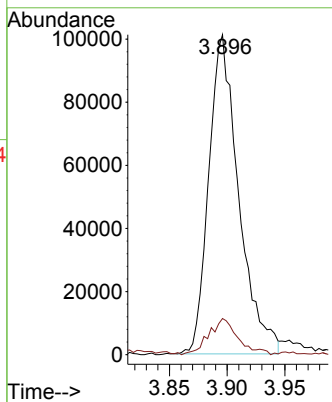
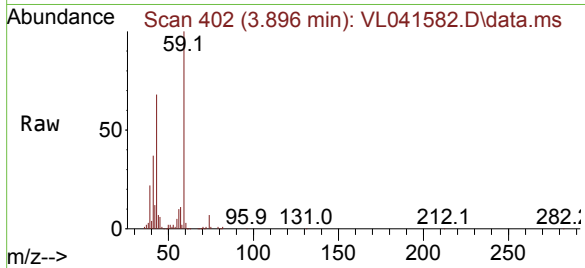




#17
tert-Butyl alcohol
Concen: 1.856 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.013 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

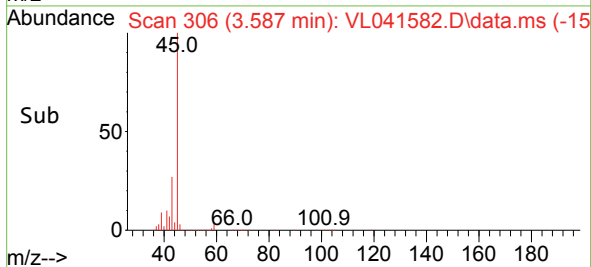
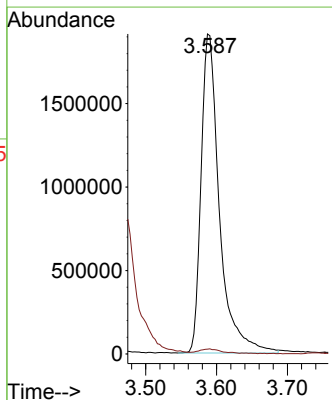
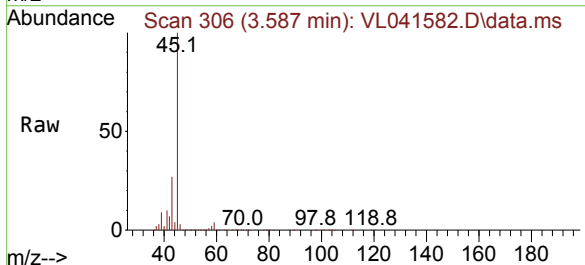
Instrument :
MSVOA_L
ClientSampleId :

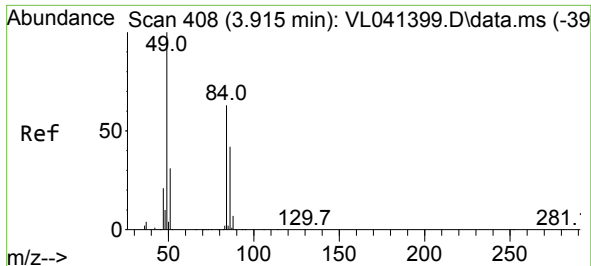
Tgt Ion: 59 Resp: 182394
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#19
Isopropyl Alcohol
Concen: 54.494 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 45 Resp: 3432879
Ion Ratio Lower Upper
45 100
58 2.0 1.9 2.9

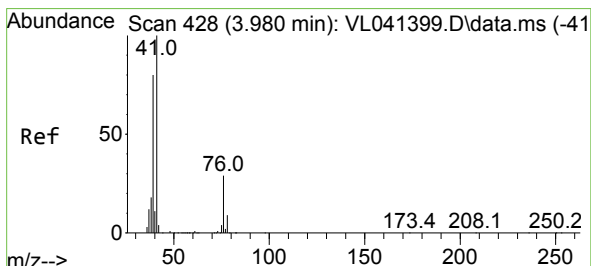
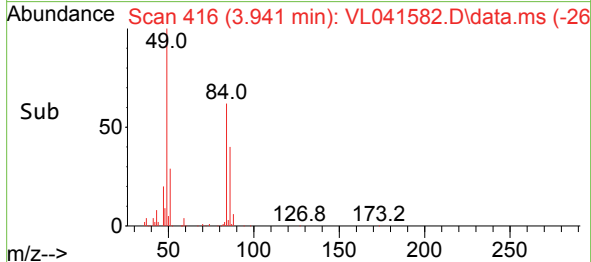
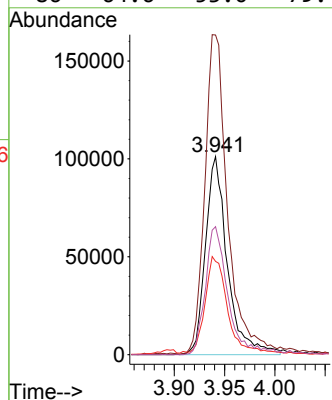
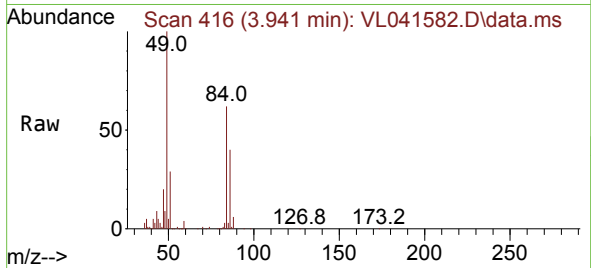




#20
Methylene Chloride
Concen: 3.818 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

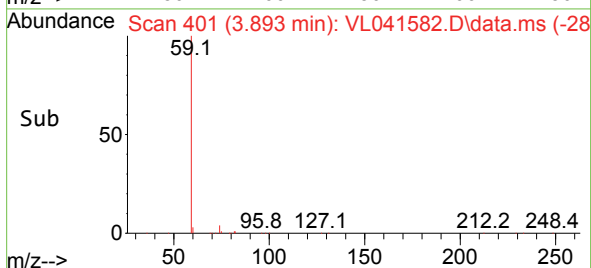
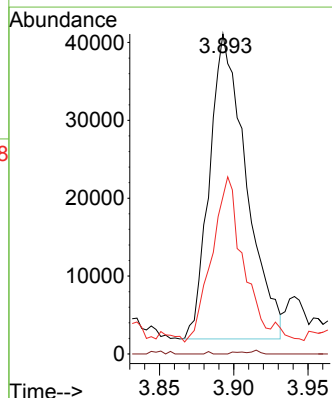
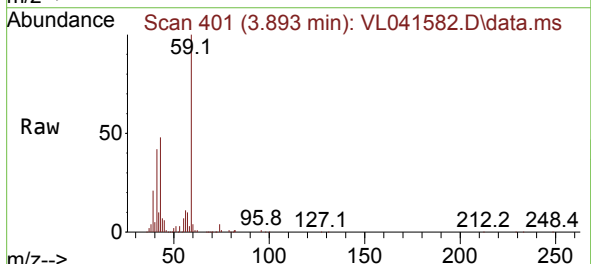
Instrument :
MSVOA_L
ClientSampleId :

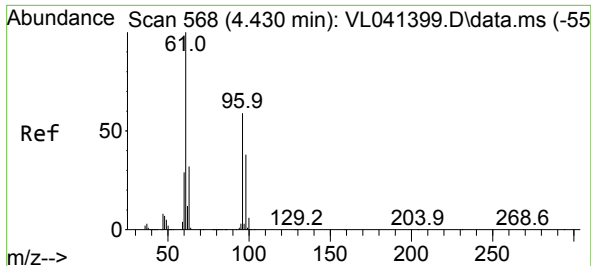
Tgt Ion: 84 Resp: 153424
Ion Ratio Lower Upper
84 100
49 161.0 126.6 190.0
51 46.0 38.6 58.0
86 64.6 53.0 79.4



#21
Allyl Chloride
Concen: 0.952 ppbv
RT: 3.893 min Scan# 401
Delta R.T. -0.109 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 41 Resp: 67282
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 45.8 64.3 96.5#

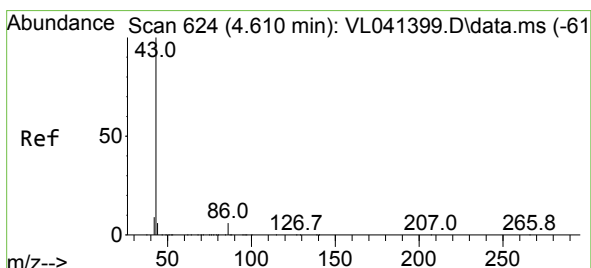
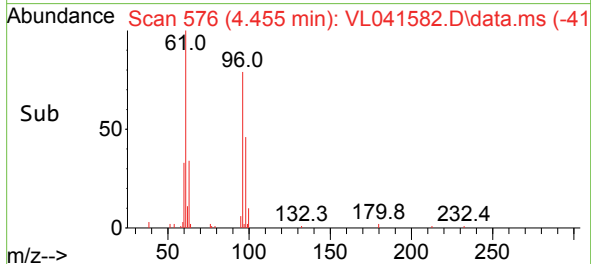
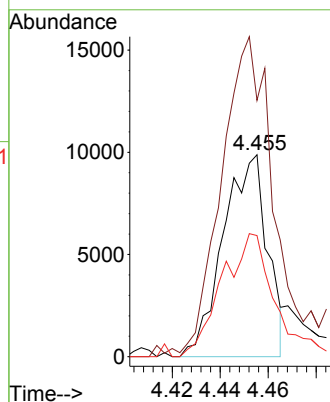
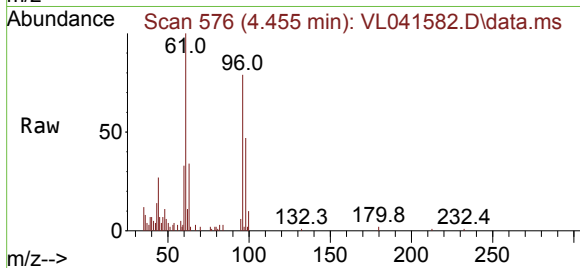




#22
trans-1,2-Dichloroethene
Concen: 0.283 ppbv
RT: 4.455 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

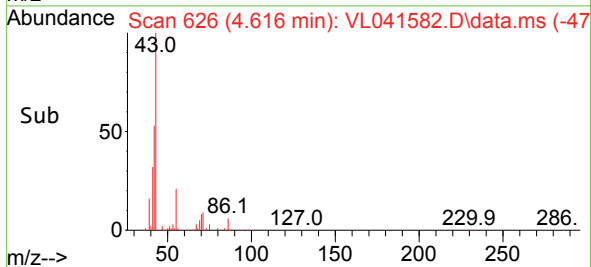
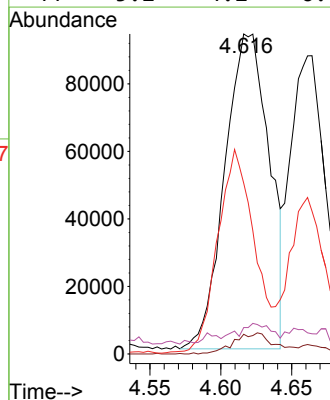
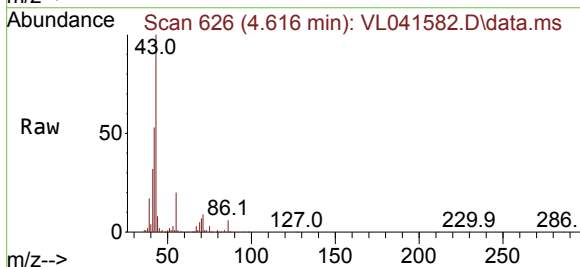
Instrument :
MSVOA_L
ClientSampleId :

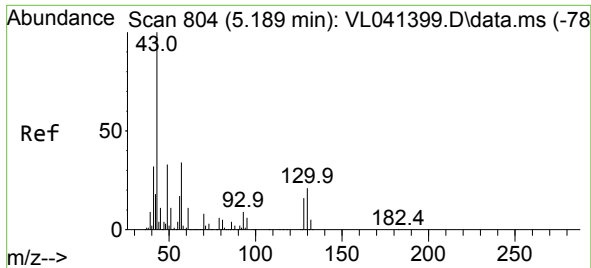
Tgt Ion: 96 Resp: 12650
Ion Ratio Lower Upper
96 100
61 124.9 135.4 203.2#
98 60.0 51.0 76.4



#23
Vinyl Acetate
Concen: 2.466 ppbv
RT: 4.616 min Scan# 626
Delta R.T. -0.013 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 43 Resp: 202912
Ion Ratio Lower Upper
43 100
86 6.1 4.6 6.8
42 53.4 7.9 11.9#
44 5.2 4.2 6.4



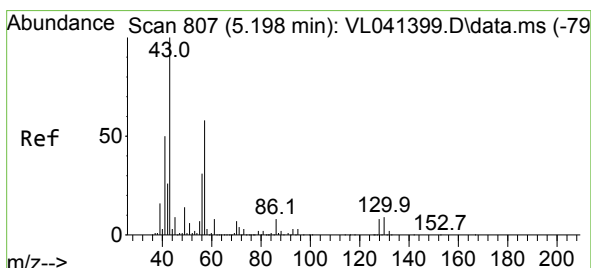
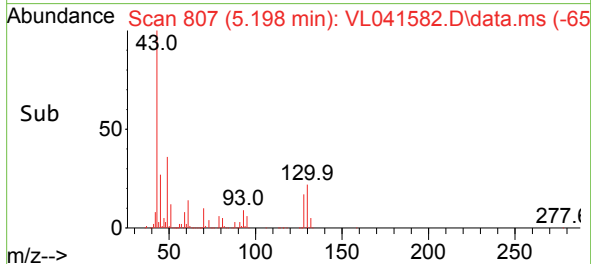
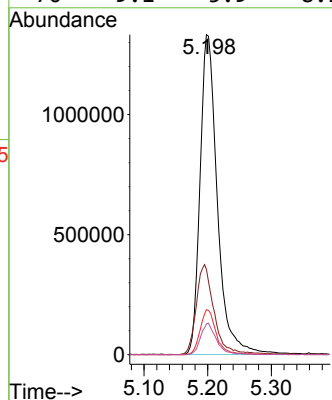
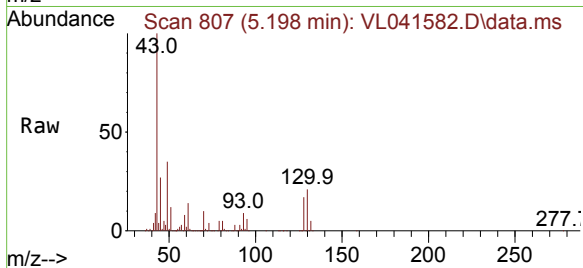


#25
Ethyl Acetate
Concen: 11.764 ppbv
RT: 5.198 min Scan# 804
Delta R.T. -0.007 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2518332

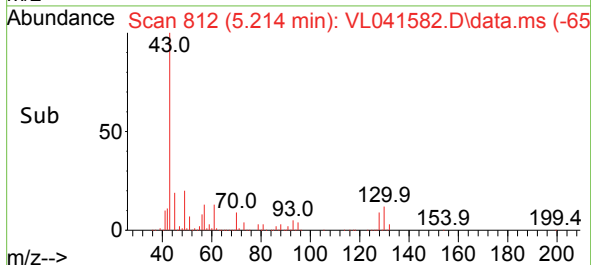
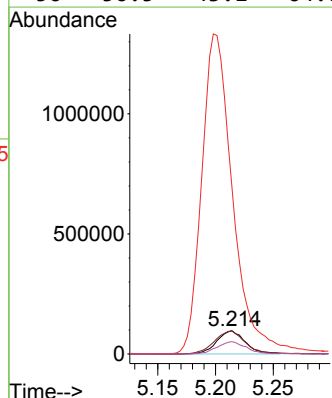
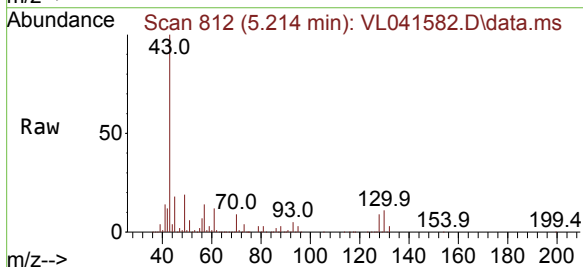
Ion	Ratio	Lower	Upper
43	100		
45	29.3	8.5	12.7#
61	13.4	8.0	12.0#
70	9.1	5.9	8.9#

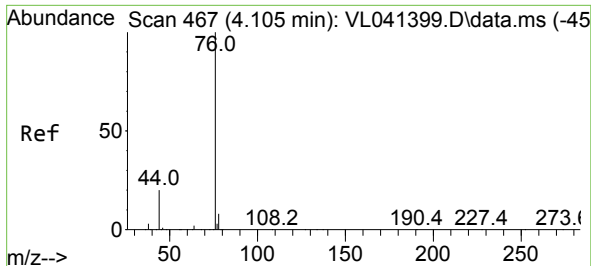


#26
Hexane
Concen: 1.856 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 57 Resp: 164796

Ion	Ratio	Lower	Upper
57	100		
41	110.6	74.0	111.0
43	1534.6	193.6	290.4#
56	56.5	43.1	64.7





#27

Carbon Disulfide

Concen: 0.680 ppbv

RT: 4.134 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :

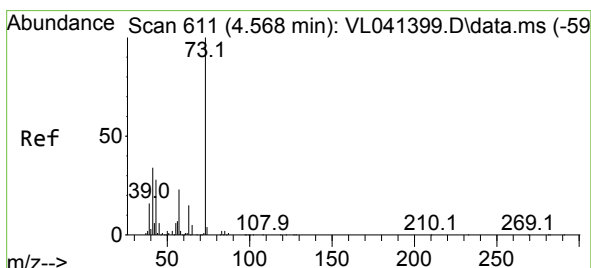
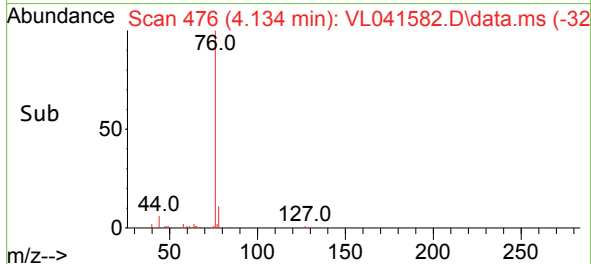
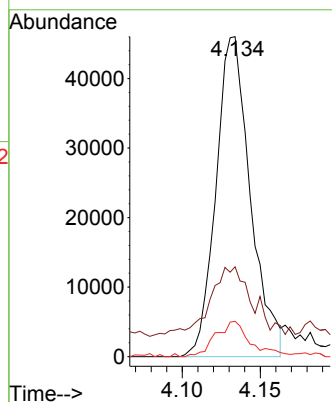
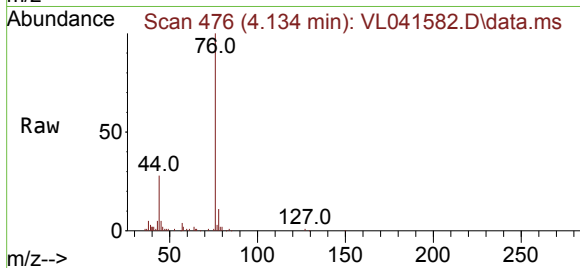
Tgt Ion: 76 Resp: 70679

Ion Ratio Lower Upper

76 100

44 27.4 15.6 23.4#

78 12.8 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.137 ppbv

RT: 4.590 min Scan# 618

Delta R.T. 0.003 min

Lab File: VL041582.D

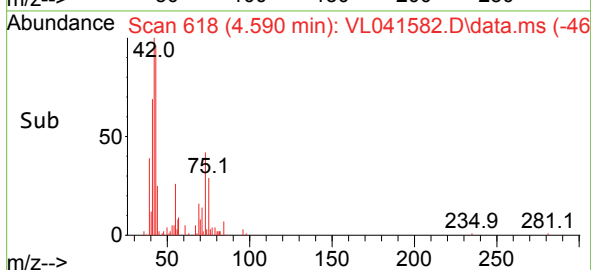
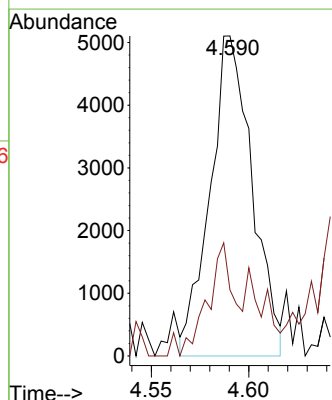
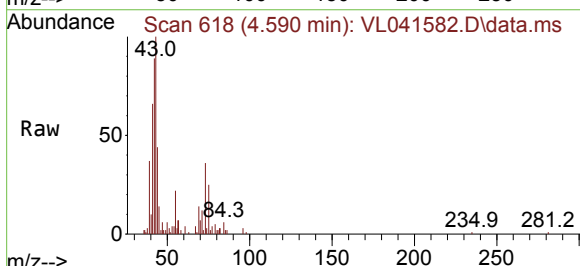
Acq: 22 Aug 2024 11:33

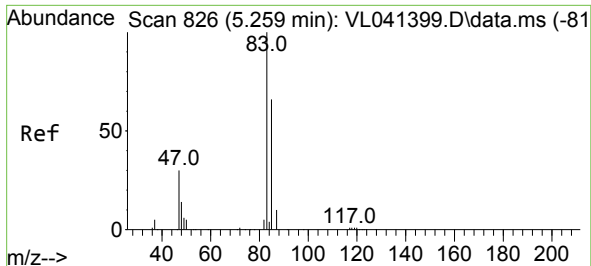
Tgt Ion: 73 Resp: 7674

Ion Ratio Lower Upper

73 100

57 35.0 18.9 28.3#





#29

Chloroform

Concen: 0.451 ppbv

RT: 5.278 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

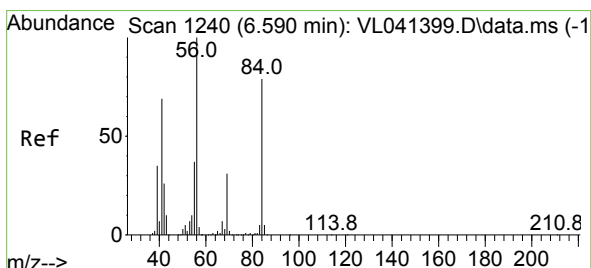
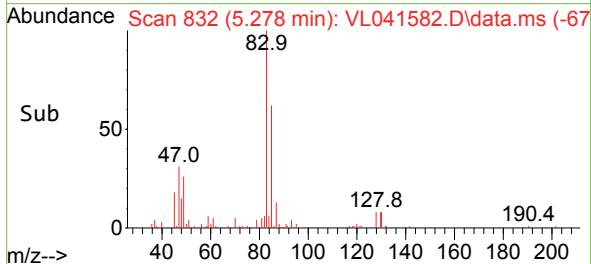
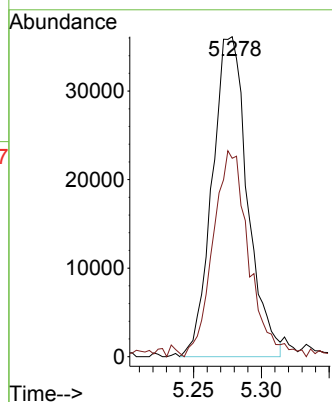
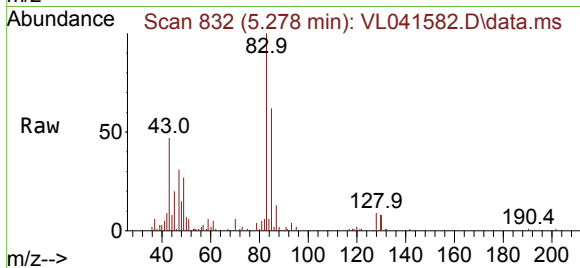
ClientSampleId :

Tgt Ion: 83 Resp: 65342

Ion Ratio Lower Upper

83 100

85 61.0 53.1 79.7



#30

Cyclohexane

Concen: 0.716 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

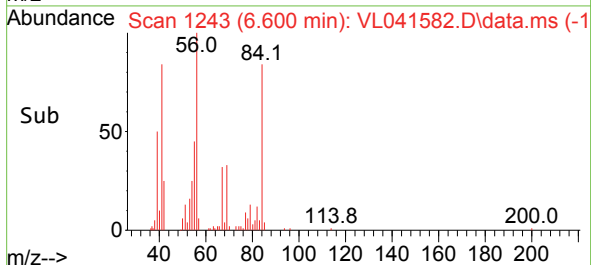
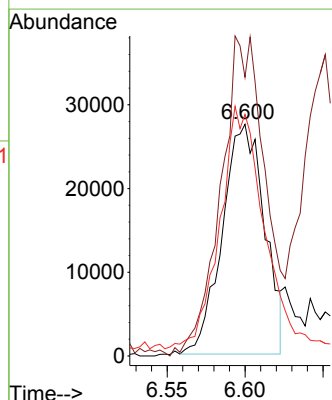
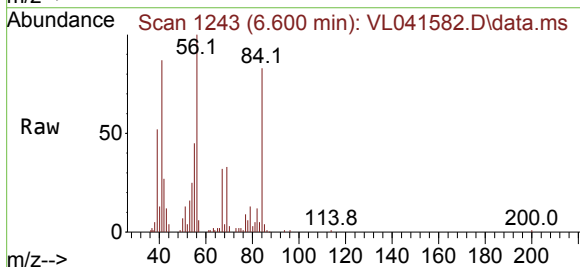
Tgt Ion: 84 Resp: 51804

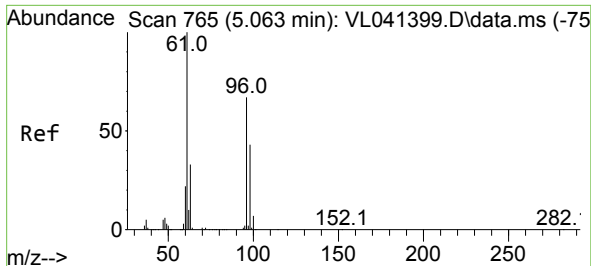
Ion Ratio Lower Upper

84 100

56 143.4 111.2 166.8

41 110.7 70.3 105.5#

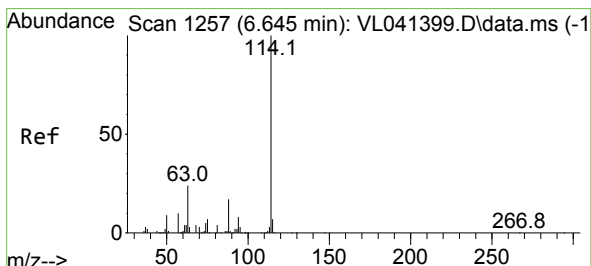
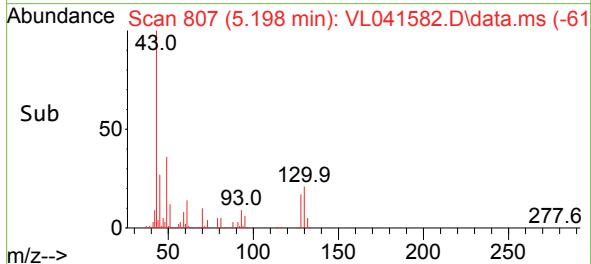
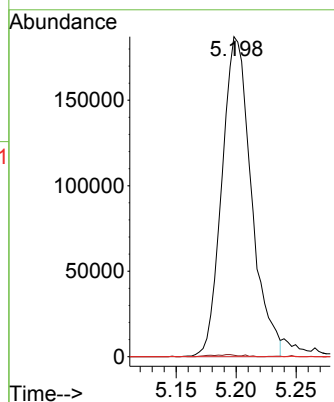
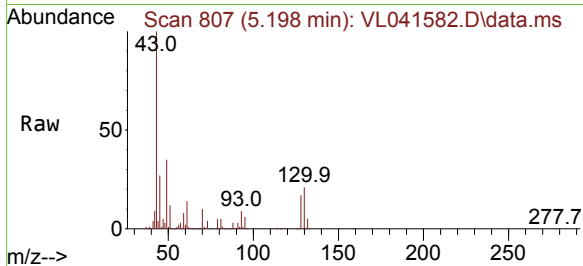




#31
 cis-1,2-Dichloroethene
 Concen: 3.644 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. 0.119 min
 Lab File: VL041582.D
 Acq: 22 Aug 2024 11:33

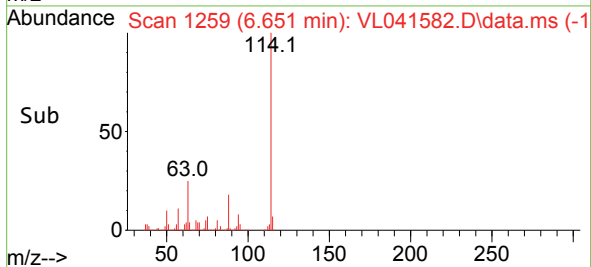
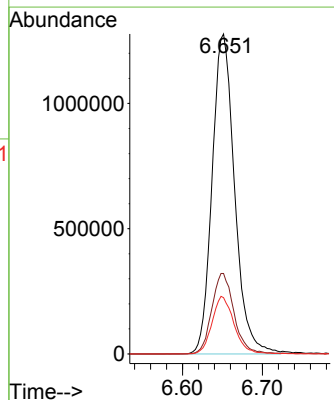
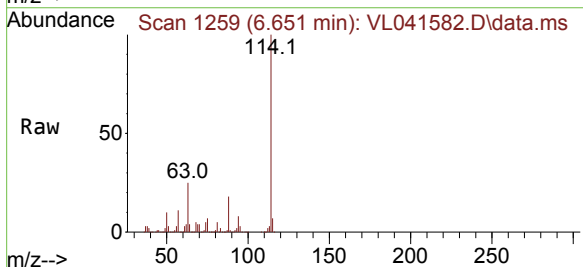
Instrument :
 MSVOA_L
 ClientSampleId :

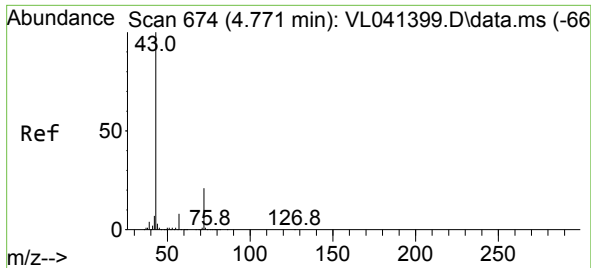
Tgt Ion: 61 Resp: 319681
 Ion Ratio Lower Upper
 61 100
 96 0.4 53.4 80.2#
 98 0.0 34.4 51.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.651 min Scan# 1259
 Delta R.T. 0.003 min
 Lab File: VL041582.D
 Acq: 22 Aug 2024 11:33

Tgt Ion: 114 Resp: 2493518
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.3 30.5
 88 17.8 14.3 21.5

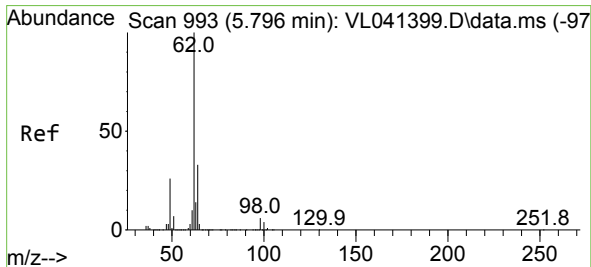
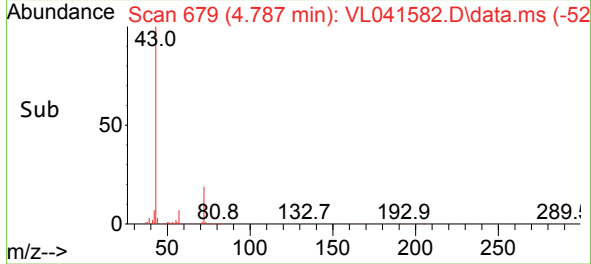
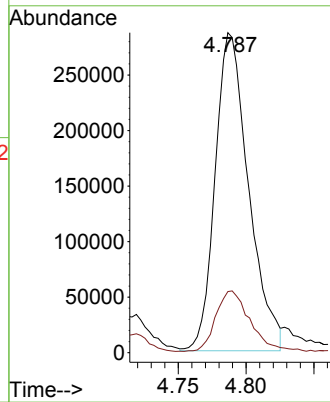
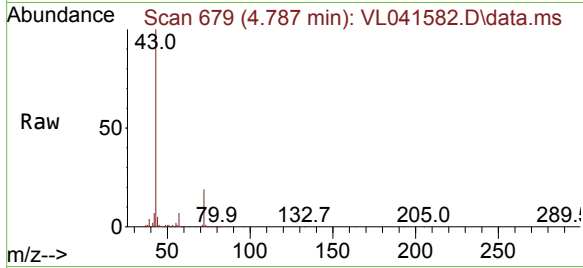




#34
2-Butanone
Concen: 4.072 ppbv
RT: 4.787 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

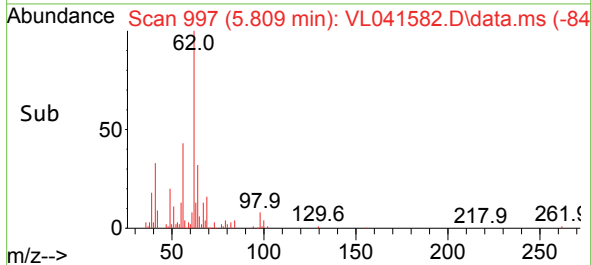
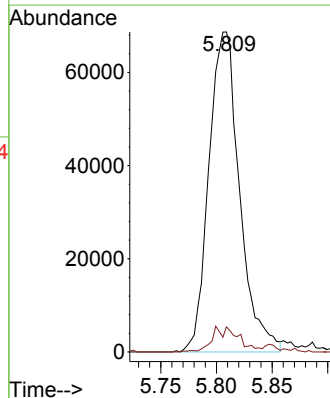
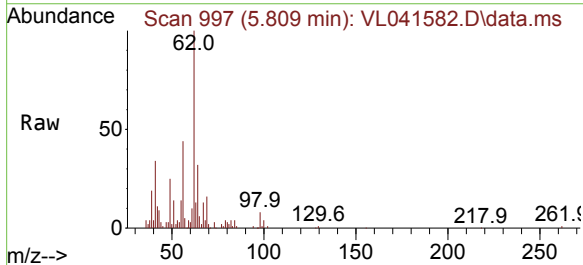
Instrument :
MSVOA_L
ClientSampleId :

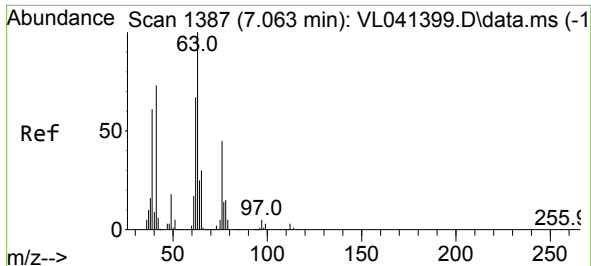
Tgt Ion: 43 Resp: 491212
Ion Ratio Lower Upper
43 100
72 21.8 17.3 25.9



#37
1,2-Dichloroethane
Concen: 1.293 ppbv
RT: 5.809 min Scan# 997
Delta R.T. 0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 62 Resp: 131862
Ion Ratio Lower Upper
62 100
98 8.1 5.0 7.4#





#39

1,2-Dichloropropane

Concen: 8.857 ppbv

RT: 6.651 min Scan# 1

Delta R.T. -0.418 min

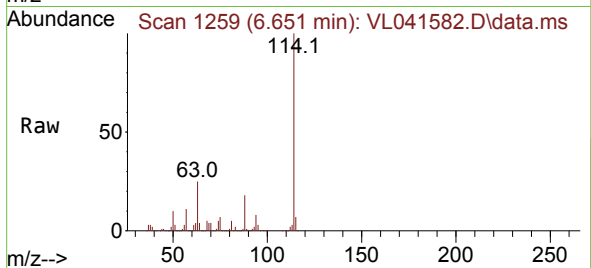
Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :



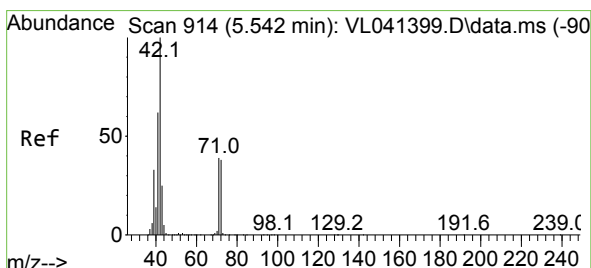
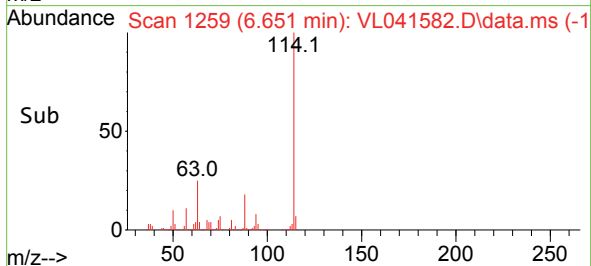
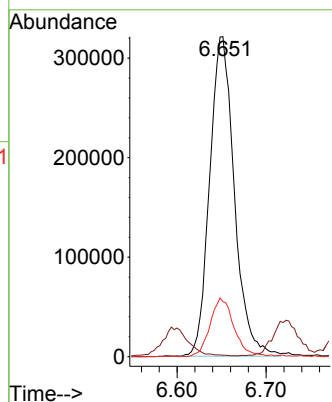
Tgt Ion: 63 Resp: 617791

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.2 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.178 ppbv

RT: 5.561 min Scan# 920

Delta R.T. 0.003 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

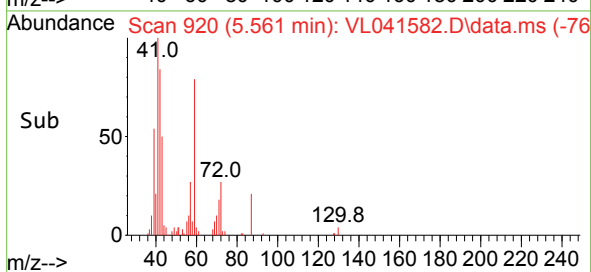
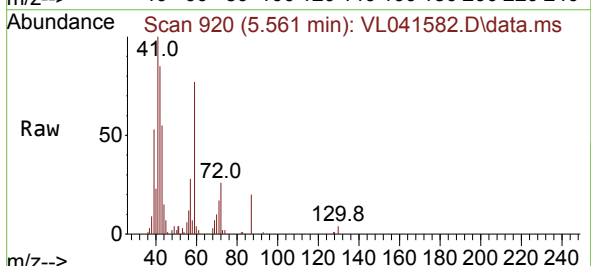
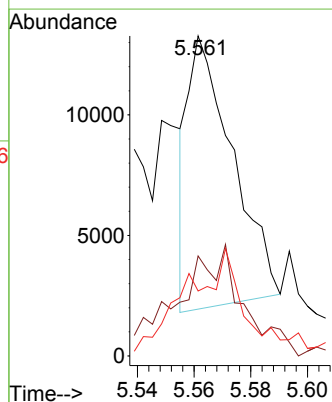
Tgt Ion: 42 Resp: 12270

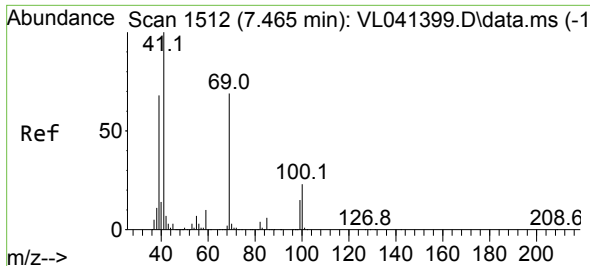
Ion Ratio Lower Upper

42 100

72 76.9 31.2 46.8#

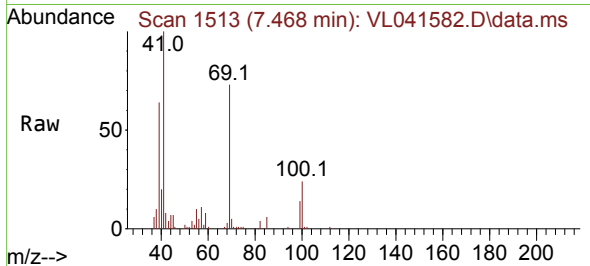
71 58.5 30.5 45.7#



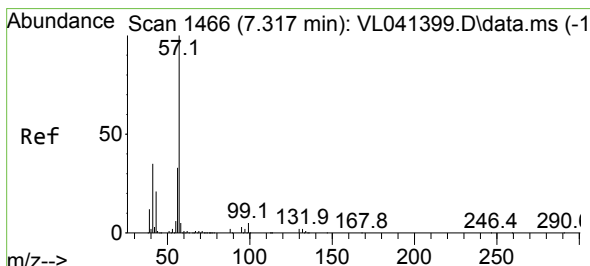
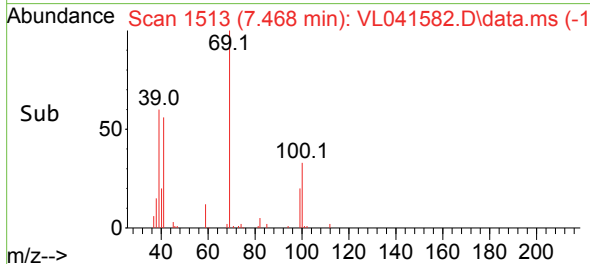
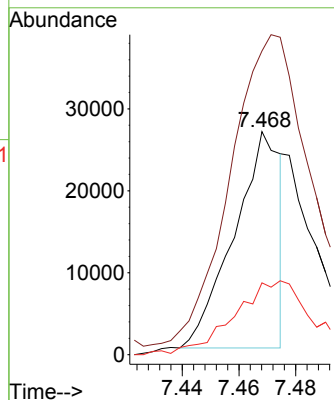


#43
Methyl Methacrylate
Concen: 0.459 ppbv
RT: 7.468 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :

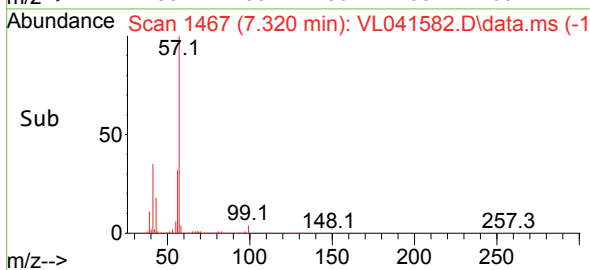
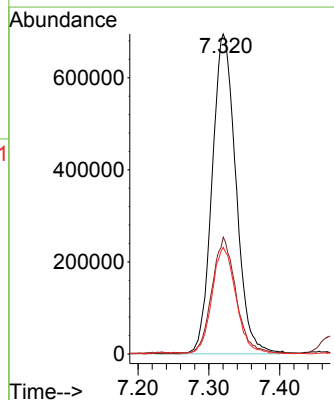
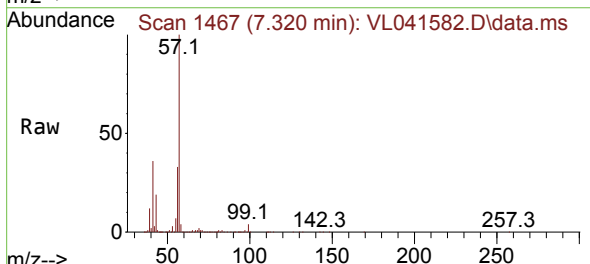


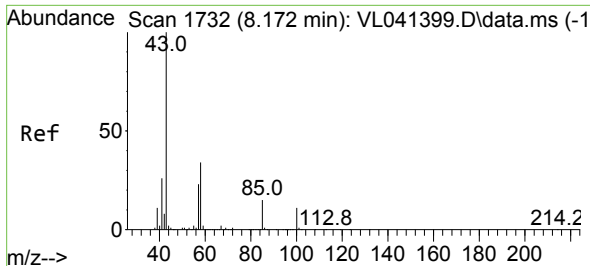
Tgt Ion: 69 Resp: 29958
Ion Ratio Lower Upper
69 100
41 273.4 118.7 178.1#
100 62.6 27.0 40.4#



#44
2,2,4-Trimethylpentane
Concen: 5.314 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.000 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 57 Resp: 1617033
Ion Ratio Lower Upper
57 100
41 36.5 27.0 40.6
56 33.7 25.2 37.8





#50

4-Methyl-2-Pentanone

Concen: 0.416 ppbv

RT: 8.179 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

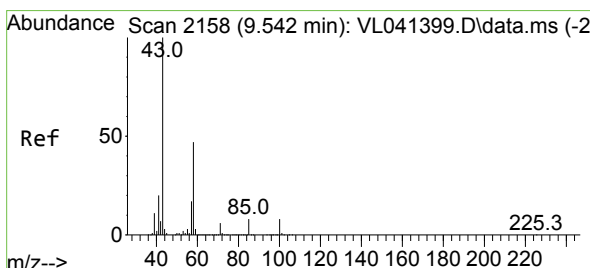
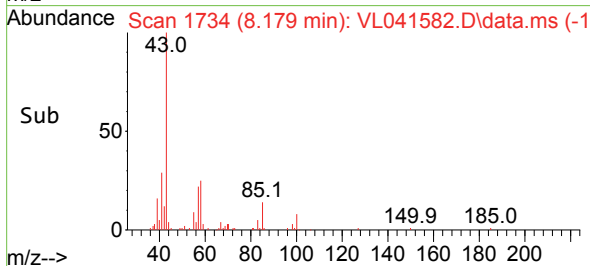
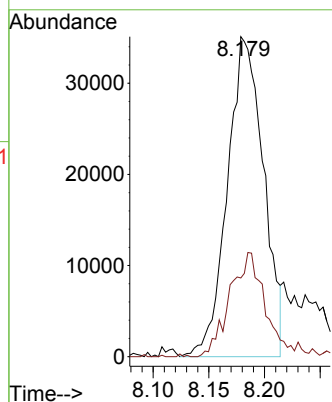
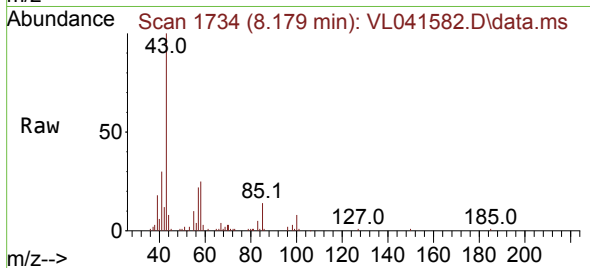
ClientSampleId :

Tgt Ion: 43 Resp: 79119

Ion Ratio Lower Upper

43 100

58 32.2 27.9 41.9



#51

2-Hexanone

Concen: 0.078 ppbv

RT: 9.526 min Scan# 2153

Delta R.T. -0.013 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

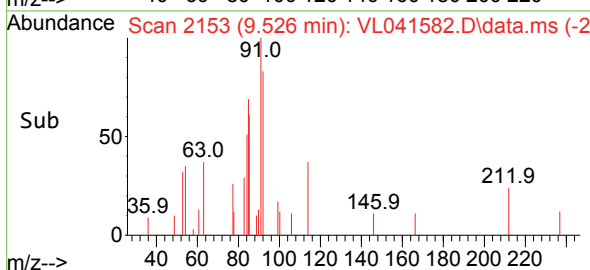
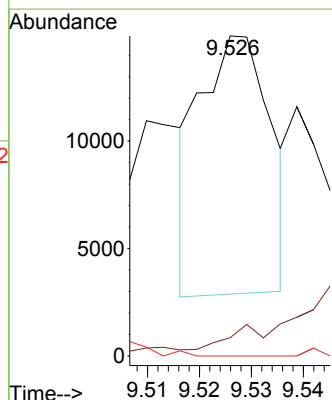
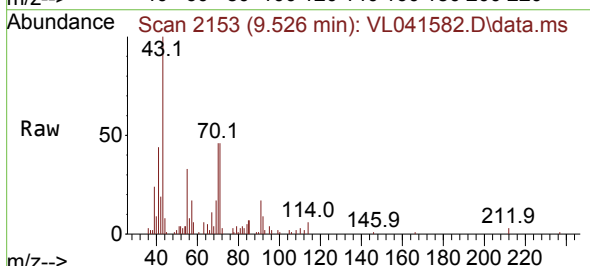
Tgt Ion: 43 Resp: 11293

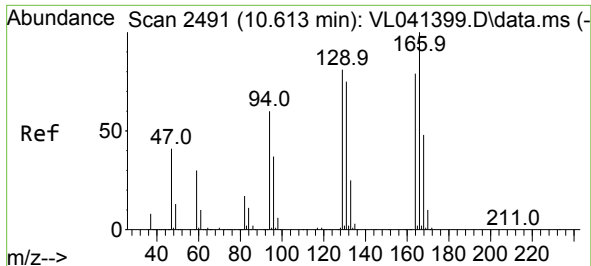
Ion Ratio Lower Upper

43 100

58 70.4 38.2 57.2#

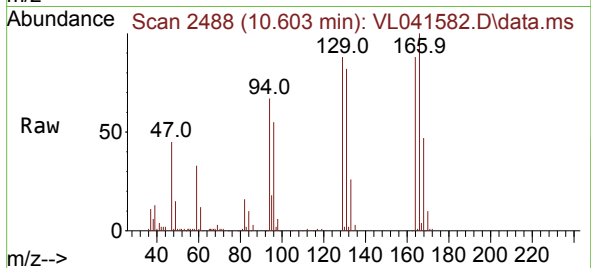
98 3.5 0.3 0.5#



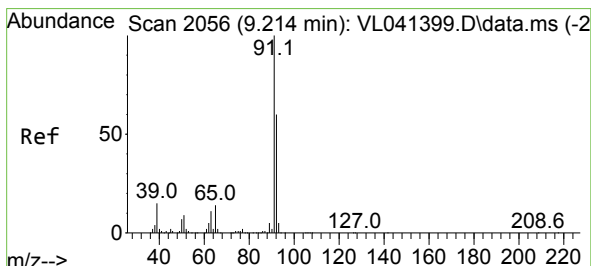
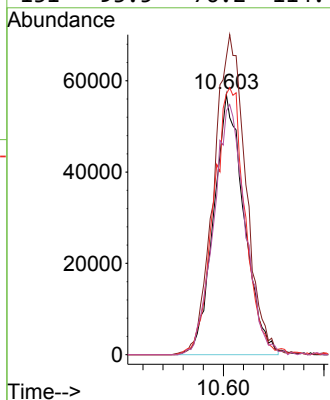
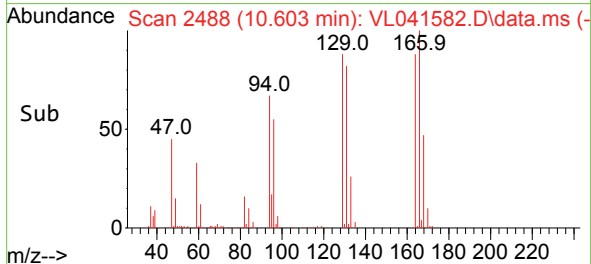


#52
Tetrachloroethene
Concen: 1.692 ppbv
RT: 10.603 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :

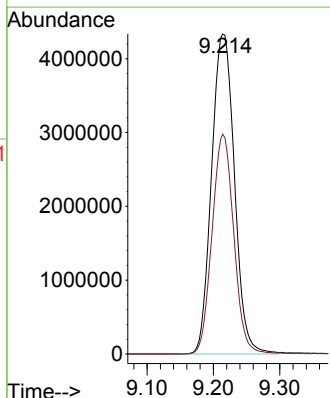
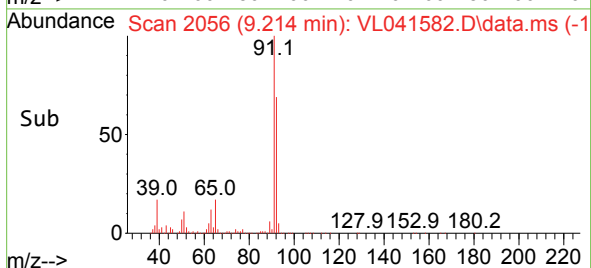
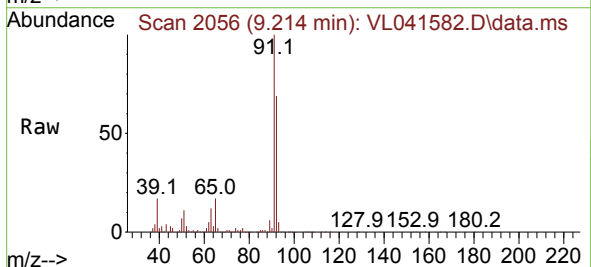


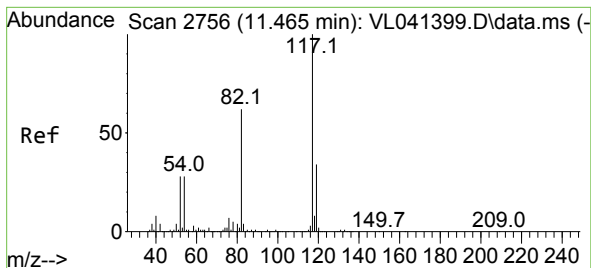
Tgt Ion:164 Resp: 119128
Ion Ratio Lower Upper
164 100
166 113.7 101.1 151.7
129 99.7 81.7 122.5
131 93.5 76.2 114.4



#53
Toluene
Concen: 51.232 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 91 Resp:10397409
Ion Ratio Lower Upper
91 100
92 65.3 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :

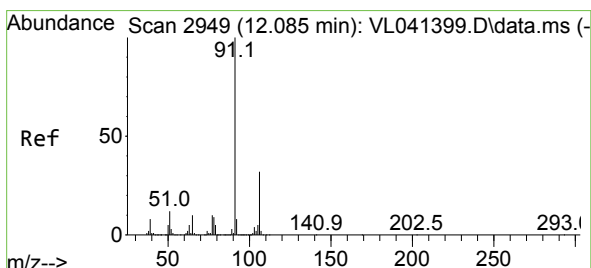
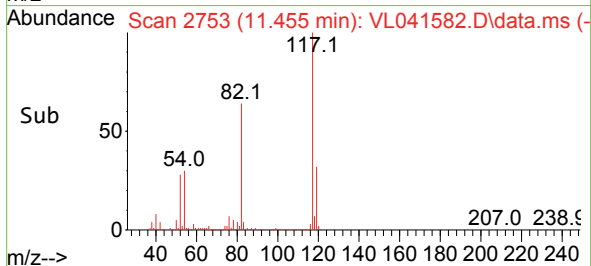
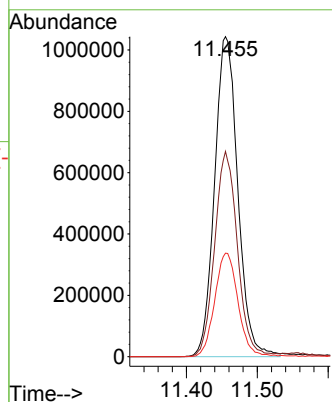
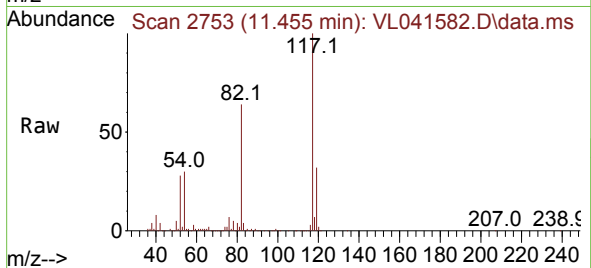
Tgt Ion:117 Resp: 2375519

Ion Ratio Lower Upper

117 100

82 63.1 51.0 76.6

119 32.7 45.2 67.8#



#58

Ethyl Benzene

Concen: 1.859 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. -0.000 min

Lab File: VL041582.D

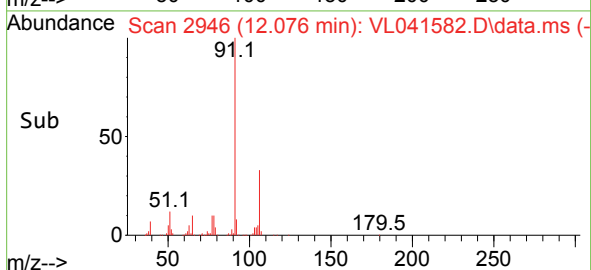
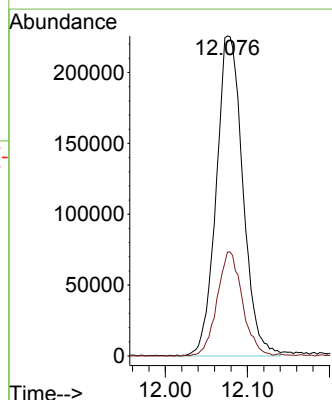
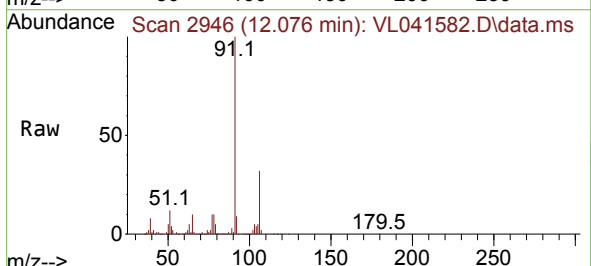
Acq: 22 Aug 2024 11:33

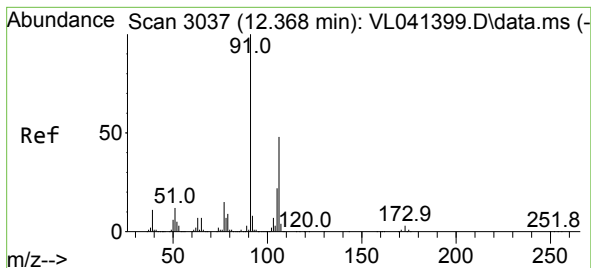
Tgt Ion: 91 Resp: 508925

Ion Ratio Lower Upper

91 100

106 32.5 25.8 38.8





#59

m/p-Xylene

Concen: 3.694 ppbv

RT: 12.330 min Scan# 3037

Delta R.T. -0.029 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

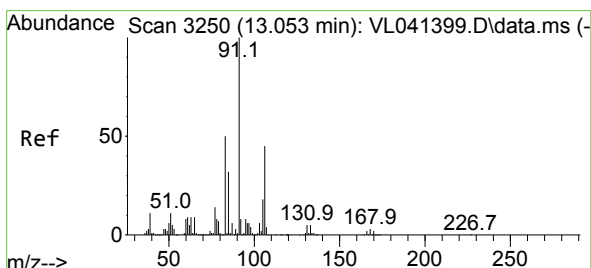
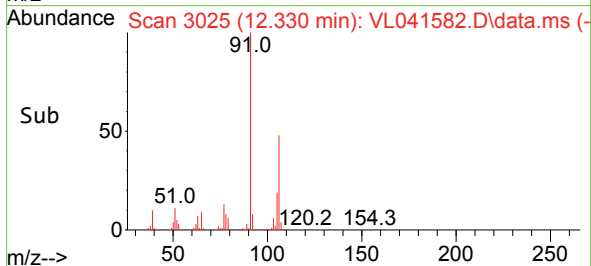
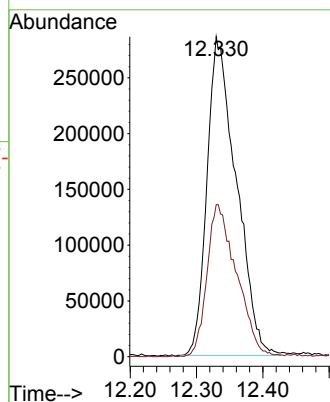
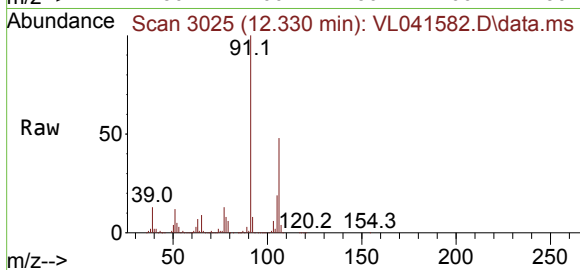
ClientSampleId :

Tgt Ion: 91 Resp: 873069

Ion Ratio Lower Upper

91 100

106 48.9 36.3 54.5



#60

o-Xylene

Concen: 1.603 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. -0.000 min

Lab File: VL041582.D

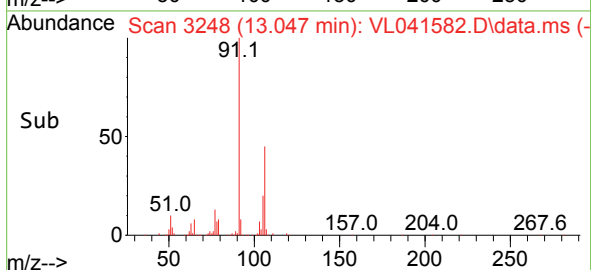
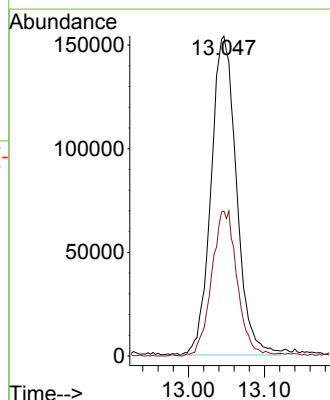
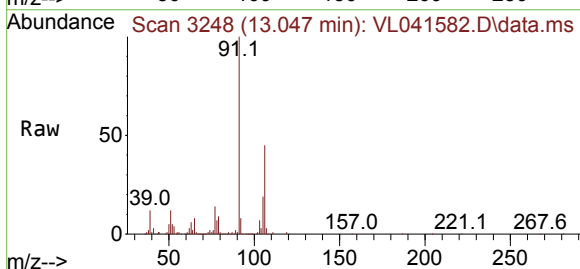
Acq: 22 Aug 2024 11:33

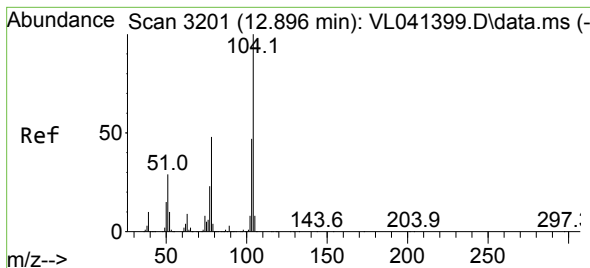
Tgt Ion: 91 Resp: 358381

Ion Ratio Lower Upper

91 100

106 46.9 23.1 69.3





#61

Styrene

Concen: 3.975 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. 0.006 min

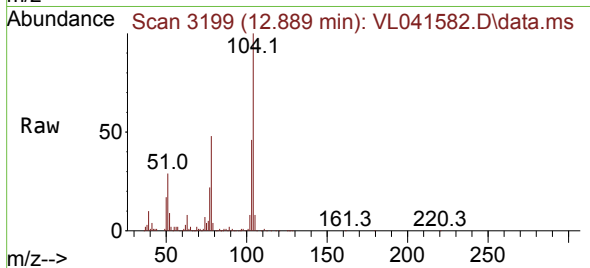
Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :



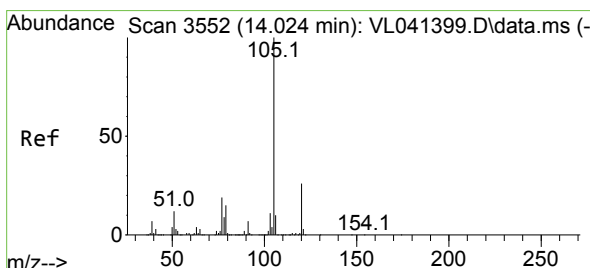
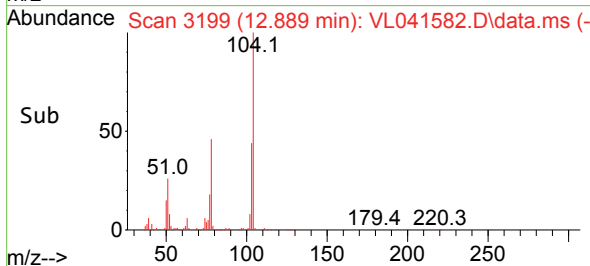
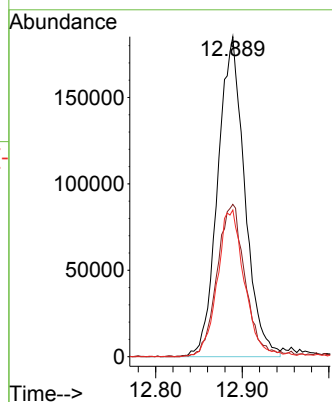
Tgt Ion:104 Resp: 400936

Ion Ratio Lower Upper

104 100

78 50.4 40.8 61.2

103 47.0 38.2 57.4



#62

Isopropylbenzene

Concen: 0.030 ppbv

RT: 14.014 min Scan# 3549

Delta R.T. -0.000 min

Lab File: VL041582.D

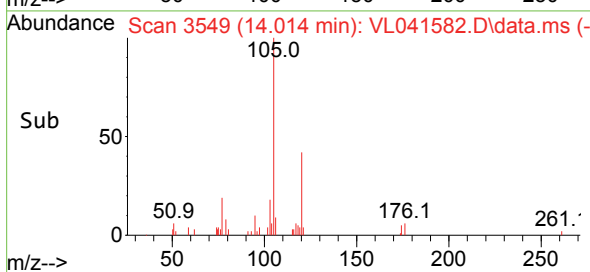
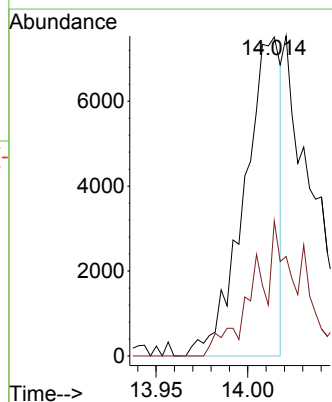
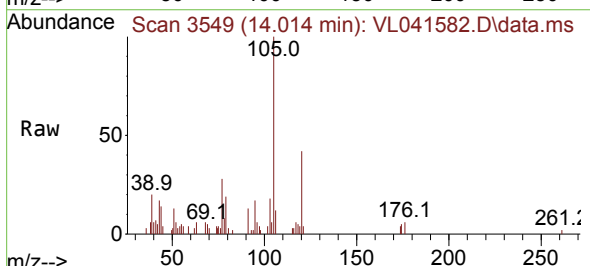
Acq: 22 Aug 2024 11:33

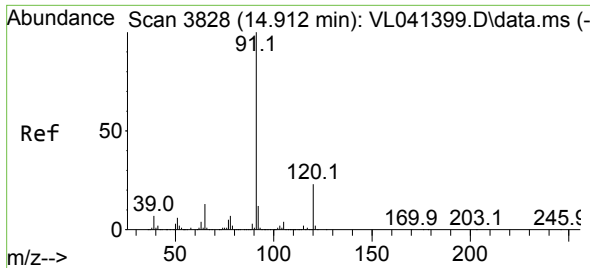
Tgt Ion:105 Resp: 10355

Ion Ratio Lower Upper

105 100

120 56.1 21.0 31.4#

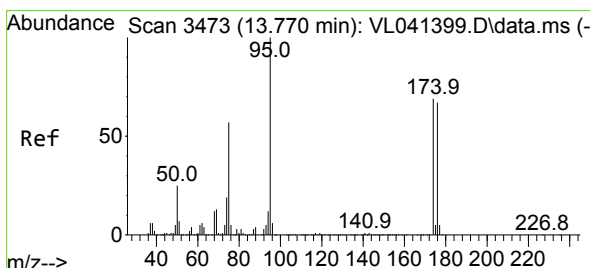
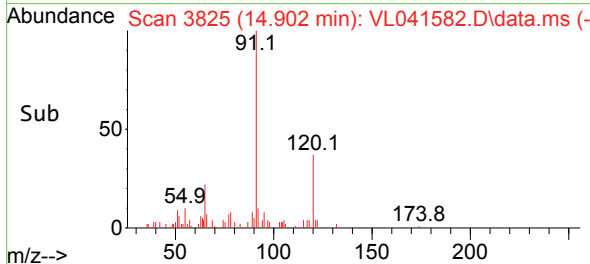
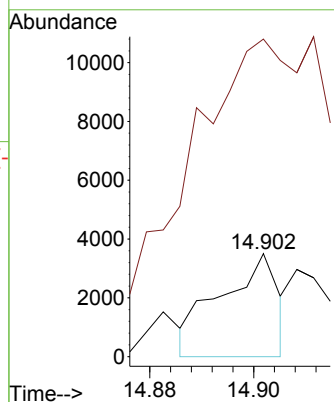
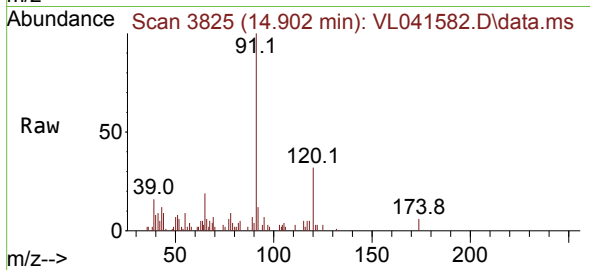




#64
n-propylbenzene
Concen: 0.030 ppbv
RT: 14.902 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

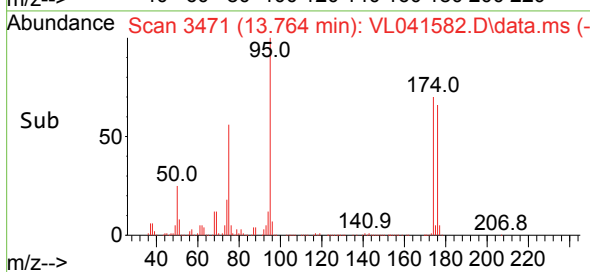
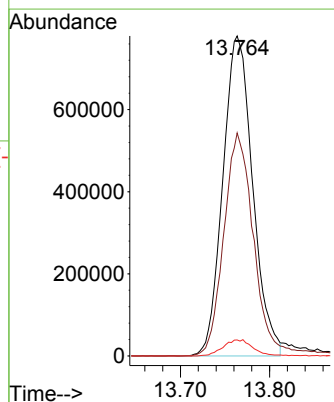
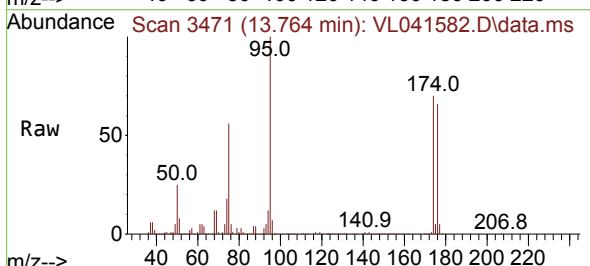
Instrument :
MSVOA_L
ClientSampleId :

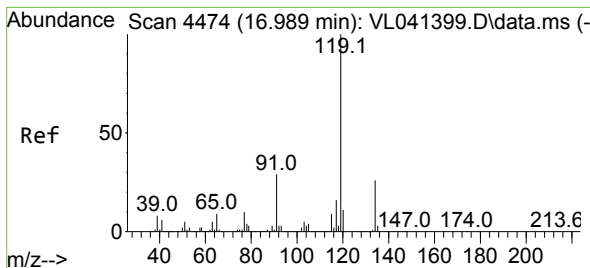
Tgt Ion:120 Resp: 2692
Ion Ratio Lower Upper
120 100
91 0.0 361.4 542.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.926 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.000 min
Lab File: VL041582.D
Acq: 22 Aug 2024 11:33

Tgt Ion: 95 Resp: 1814620
Ion Ratio Lower Upper
95 100
174 71.7 56.3 84.5
175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.089 ppbv

RT: 16.985 min Scan# 4474

Delta R.T. 0.003 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :

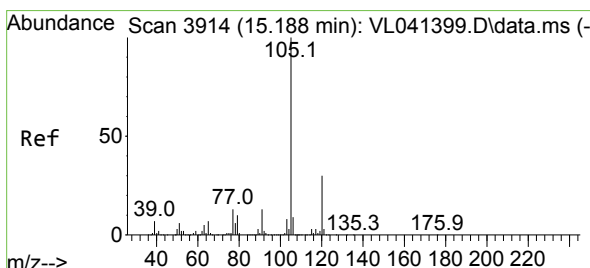
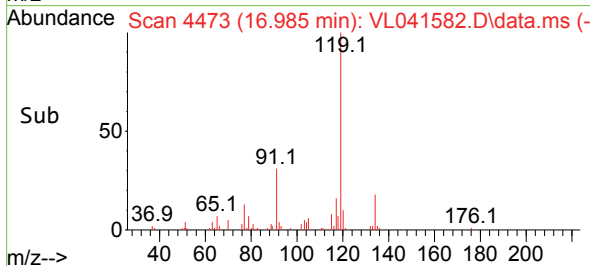
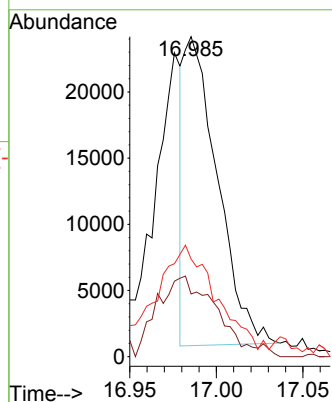
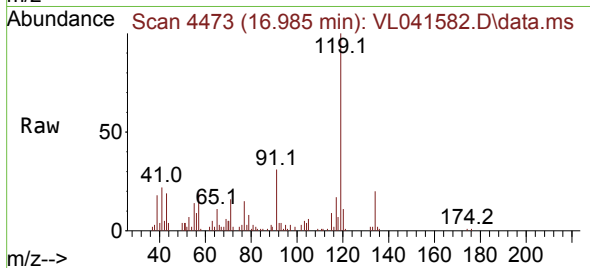
Tgt Ion:119 Resp: 31277

Ion Ratio Lower Upper

119 100

134 49.0 20.5 30.7#

91 62.6 23.2 34.8#



#72

4-Ethyltoluene

Concen: 0.032 ppbv

RT: 15.178 min Scan# 3911

Delta R.T. -0.000 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Tgt Ion:105 Resp: 8545

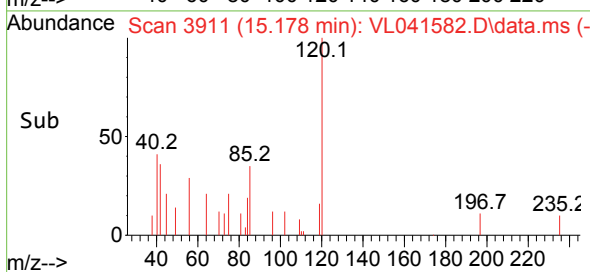
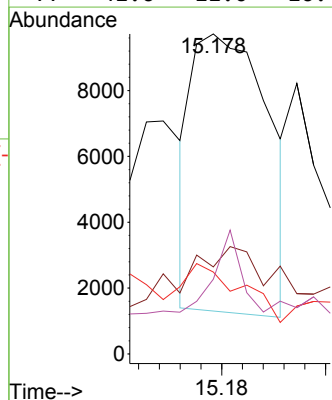
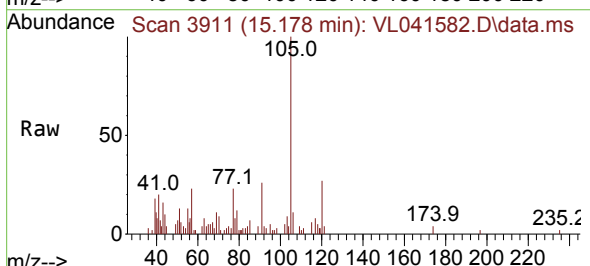
Ion Ratio Lower Upper

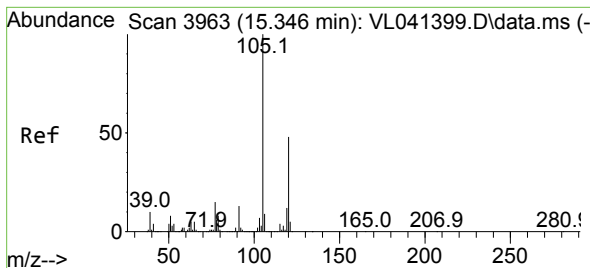
105 100

120 88.2 24.2 36.2#

91 87.3 10.4 15.6#

77 41.6 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.050 ppbv

RT: 15.336 min Scan# 3960

Delta R.T. -0.000 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Instrument :

MSVOA_L

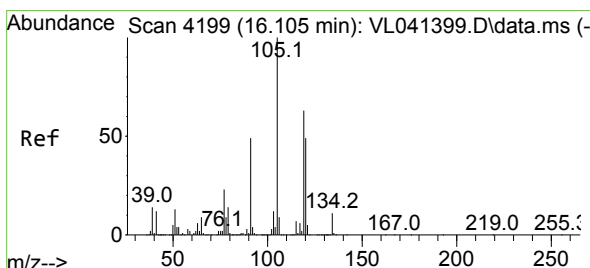
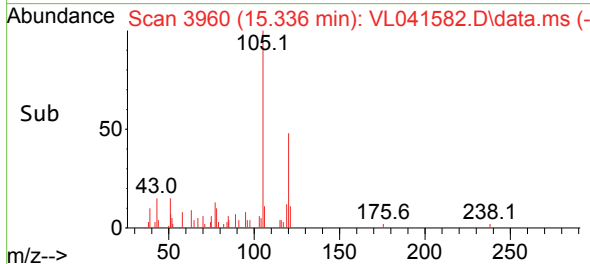
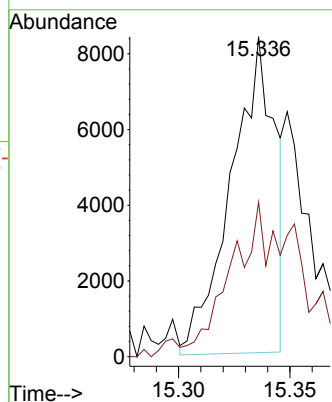
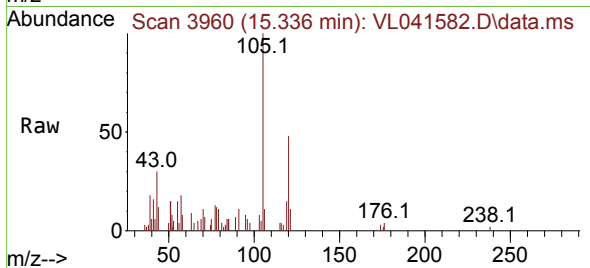
ClientSampleId :

Tgt Ion:105 Resp: 11405

Ion Ratio Lower Upper

105 100

120 48.5 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.245 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.003 min

Lab File: VL041582.D

Acq: 22 Aug 2024 11:33

Tgt Ion:105 Resp: 64691

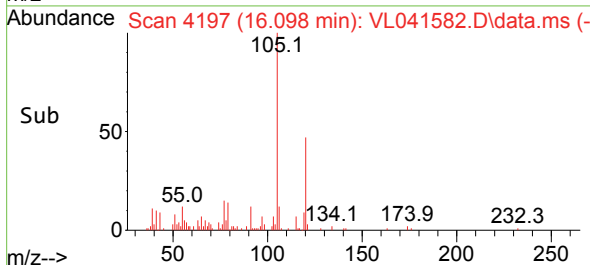
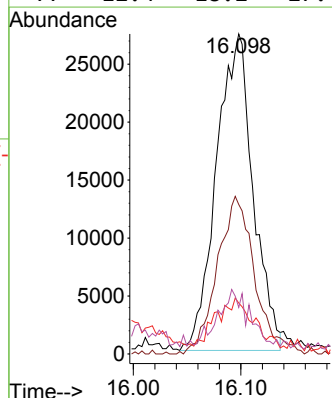
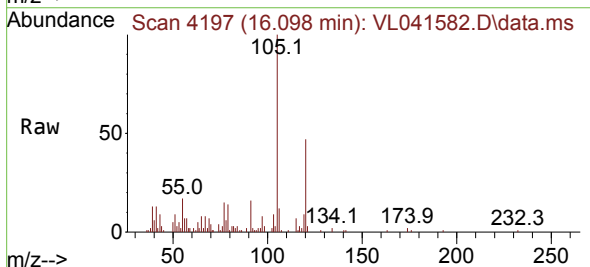
Ion Ratio Lower Upper

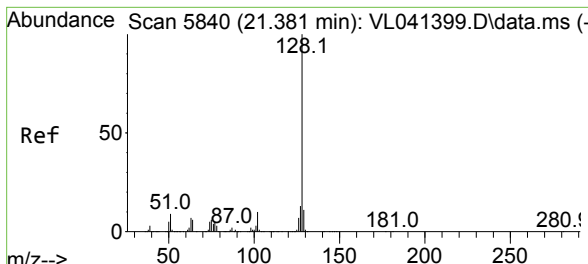
105 100

120 46.5 39.5 59.3

91 14.2 39.8 59.8#

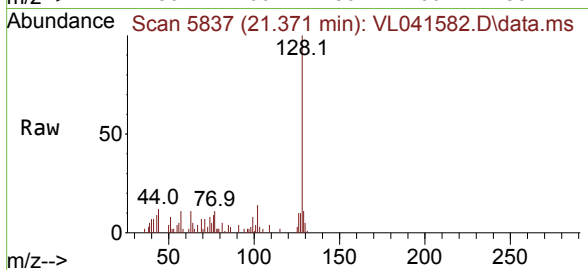
77 12.4 18.2 27.4#





#79
 Naphthalene
 Concen: 0.048 ppbv
 RT: 21.371 min Scan# 5837
 Delta R.T. 0.003 min
 Lab File: VL041582.D
 Acq: 22 Aug 2024 11:33

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	128	Resp:	11118
Ion Ratio	Lower	Upper	
128	100		
127	7.0	10.3	15.5#
129	11.4	9.0	13.4

