

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041461.D
 Acq On : 31 Jul 2024 13:35
 Operator : SY/MD
 Sample : P3385-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 01 02:42:44 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 : Thu Aug 01 02:36:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1039864	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2690084	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2567994	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2009662	10.169	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	46730	0.261	ppbv	92
3) Chlorodifluoromethane	2.661	51	1367836	11.050	ppbv #	60
4) Chloromethane	2.822	50	34263	0.520	ppbv	94
9) Propene	2.716	41	53272	0.937	ppbv #	83
10) Heptane	7.584	43	184721	1.446	ppbv	100
11) Trichlorofluoromethane	3.571	101	33598	0.211	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.073	101	5731	0.050	ppbv #	63
13) Ethanol	3.253	45	6278978	1235.380	ppbv	95
15) Acetone	3.468	43	10810697	91.500	ppbv #	87
16) 1,3-Butadiene	2.970	39	14717	0.233	ppbv #	35
17) tert-Butyl alcohol	3.896	59	36323	0.337	ppbv #	72
19) Isopropyl Alcohol	3.594	45	1334538	19.321	ppbv #	1
20) Methylene Chloride	3.941	84	2540874	57.670	ppbv	98
21) Allyl Chloride	3.941	41	99133	1.279	ppbv #	19
23) Vinyl Acetate	4.626	43	52705	0.584	ppbv #	92
25) Ethyl Acetate	5.214	43	1874356	7.985	ppbv #	90
26) Hexane	5.217	57	1535129	15.766	ppbv #	57
27) Carbon Disulfide	4.131	76	9507	0.083	ppbv #	60
29) Chloroform	5.282	83	31108	0.196	ppbv	83
30) Cyclohexane	6.606	84	3469	0.044	ppbv #	1
31) cis-1,2-Dichloroethene	5.086	61	3411	0.035	ppbv #	77
34) 2-Butanone	4.793	43	478242	3.675	ppbv	99
35) Carbon Tetrachloride	6.504	117	5172	0.035	ppbv	96
36) Benzene	6.381	78	25006	0.127	ppbv	98
37) 1,2-Dichloroethane	5.812	62	12063	0.110	ppbv #	85
38) Trichloroethene	7.298	130	4036	0.045	ppbv #	76
39) 1,2-Dichloropropane	6.661	63	661470	8.790	ppbv #	25
41) Tetrahydrofuran	5.539	42	13659	0.184	ppbv #	85
43) Methyl Methacrylate	7.478	69	3743	0.053	ppbv #	1
44) 2,2,4-Trimethylpentane	7.375	57	96206	0.293	ppbv #	1
50) 4-Methyl-2-Pentanone	8.192	43	9009	0.044	ppbv #	47
51) 2-Hexanone	9.838	43	841167	5.418	ppbv #	49
52) Tetrachloroethene	10.622	164	470991	6.201	ppbv	98
53) Toluene	9.227	91	3207546	14.650	ppbv	100
58) Ethyl Benzene	12.384	91	18624	0.063	ppbv	90
60) o-Xylene	13.063	91	55349	0.229	ppbv	97
61) Styrene	12.905	104	54853	0.503	ppbv	96
62) Isopropylbenzene	14.037	105	15877	0.043	ppbv	99
64) n-propylbenzene	14.918	120	3151	0.033	ppbv #	1
66) Benzyl Chloride	16.117	91	7202	0.338	ppbv #	69
69) p-Isopropyltoluene	16.998	119	454661	1.198	ppbv	98
71) 2-Chlorotoluene	14.924	91	47645	0.176	ppbv #	45
72) 4-Ethyltoluene	15.195	105	9776	0.034	ppbv #	1

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Quant Time: Aug 01 02:42:44 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Aug 01 02:36:30 2024
Response via : Initial Calibration

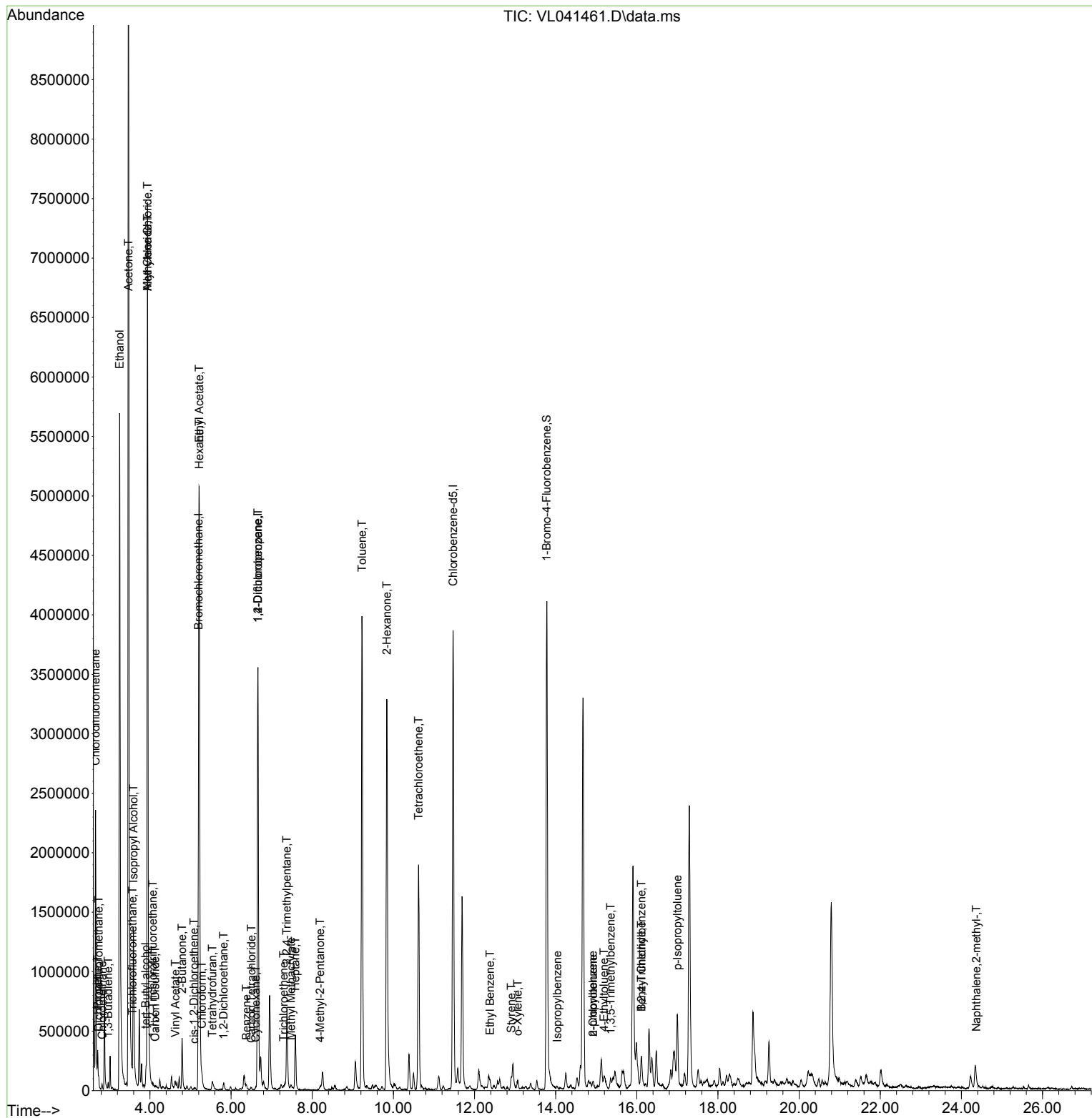
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.355	105	38136	0.156	ppbv	89
74) 1,2,4-Trimethylbenzene	16.114	105	153885	0.540	ppbv #	68
80) Naphthalene,2-methyl-	24.368	142	9585	0.045	ppbv #	80

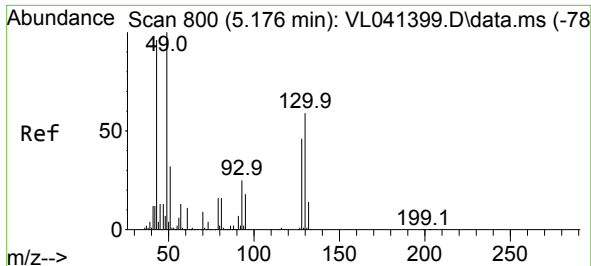
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.198 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

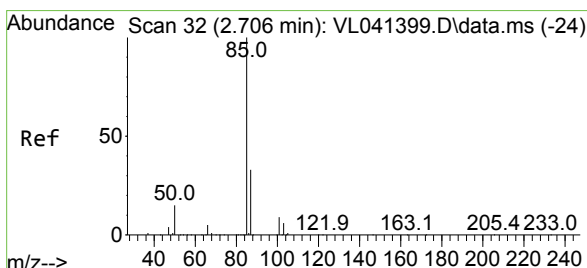
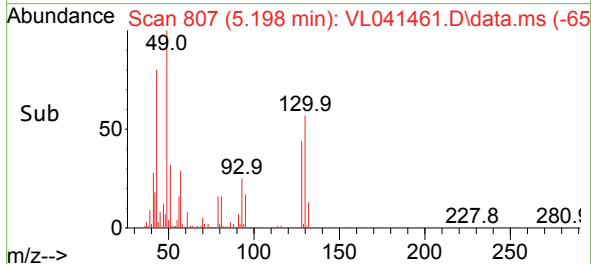
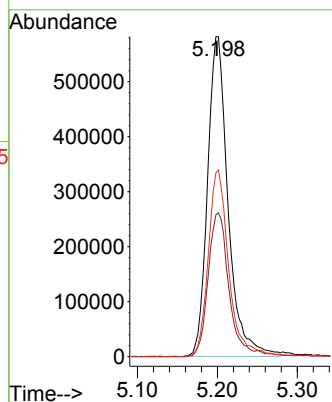
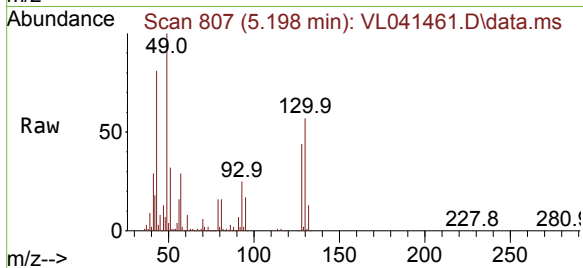
Tgt Ion: 49 Resp: 1039864

Ion Ratio Lower Upper

49 100

128 46.5 23.8 71.4

130 59.1 30.8 92.4



#2

Dichlorodifluoromethane

Concen: 0.261 ppbv

RT: 2.735 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041461.D

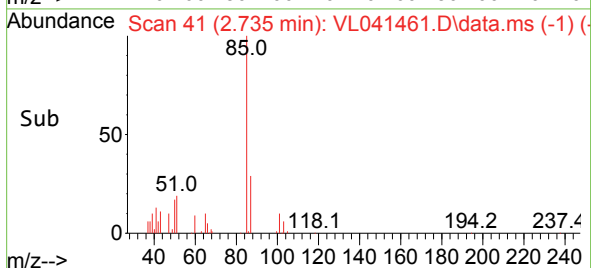
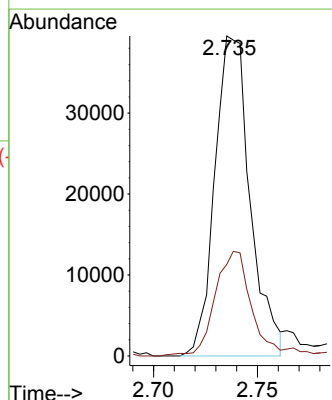
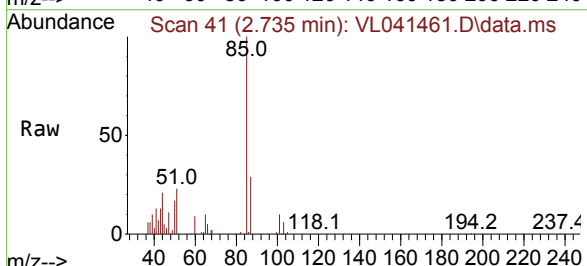
Acq: 31 Jul 2024 13:35

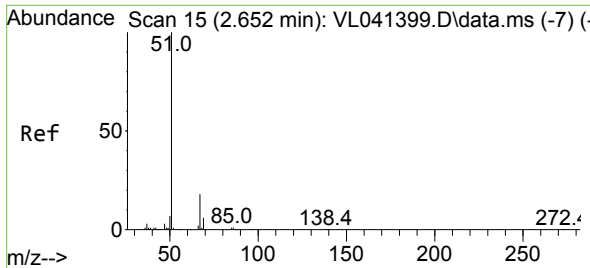
Tgt Ion: 85 Resp: 46730

Ion Ratio Lower Upper

85 100

87 27.8 26.0 39.0

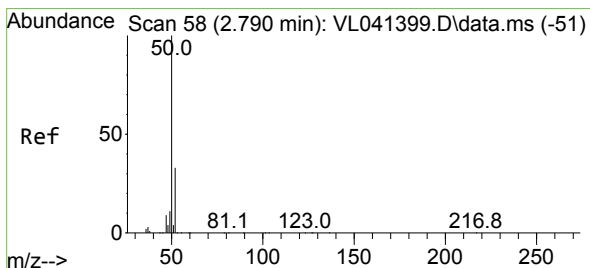
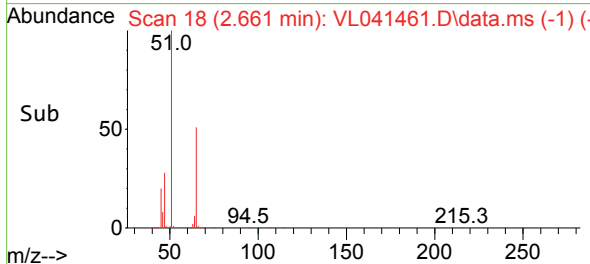
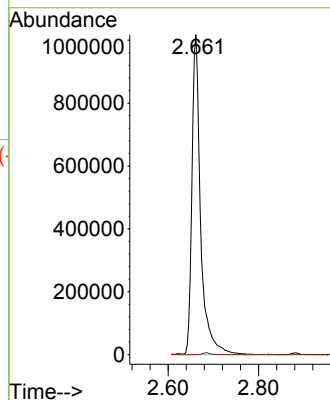
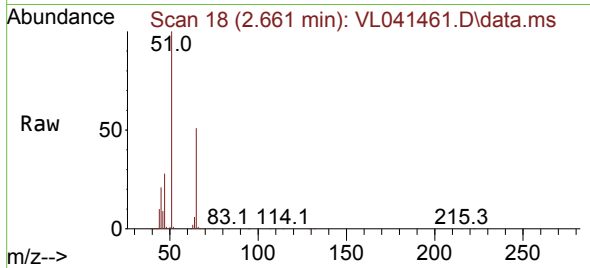




#3
Chlorodifluoromethane
Concen: 11.050 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

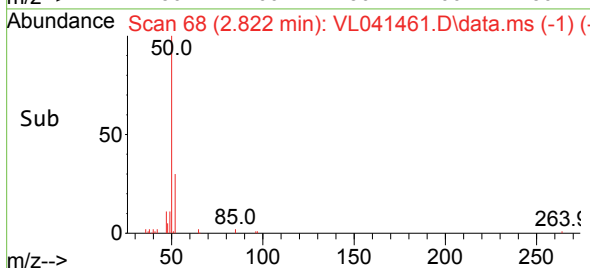
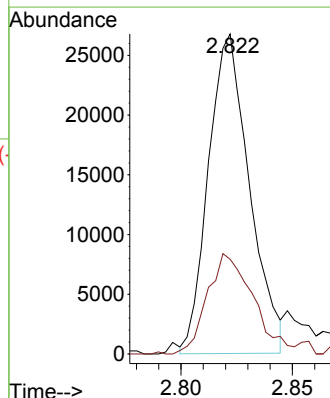
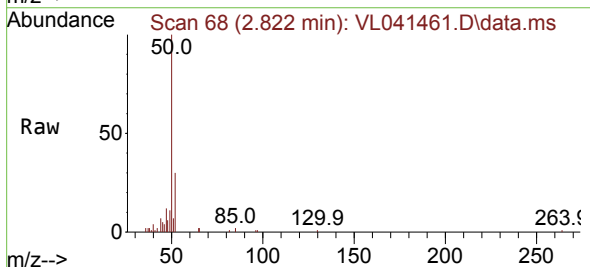
Instrument :
MSVOA_L
ClientSampleId :

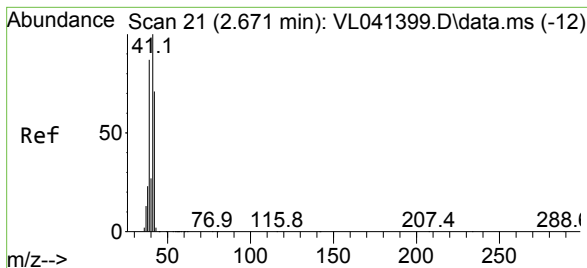
Tgt Ion: 51 Resp: 1367836
Ion Ratio Lower Upper
51 100
67 0.6 14.5 21.7#



#4
Chloromethane
Concen: 0.520 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion: 50 Resp: 34263
Ion Ratio Lower Upper
50 100
52 29.2 26.1 39.1





#9

Propene

Concen: 0.937 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.022 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

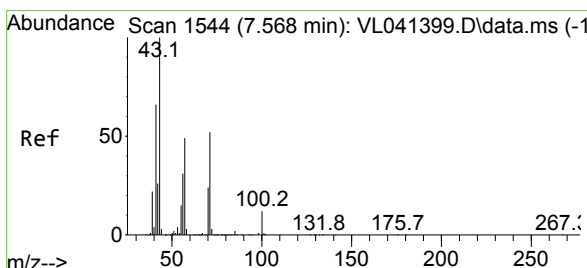
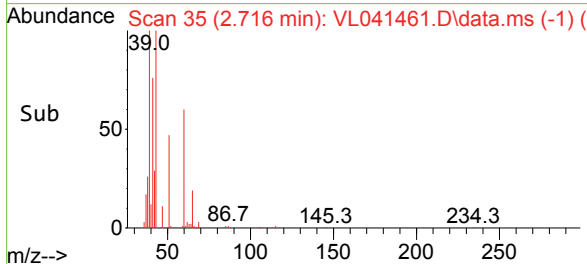
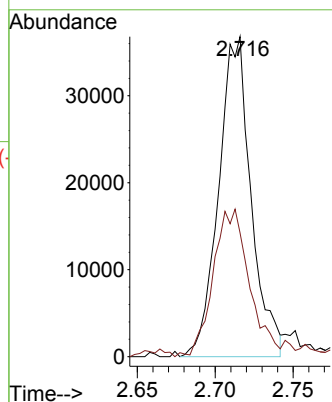
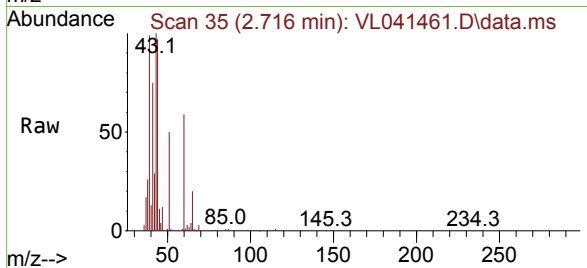
ClientSampleId :

Tgt Ion: 41 Resp: 53272

Ion Ratio Lower Upper

41 100

42 55.8 55.9 83.9#



#10

Heptane

Concen: 1.446 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. -0.000 min

Lab File: VL041461.D

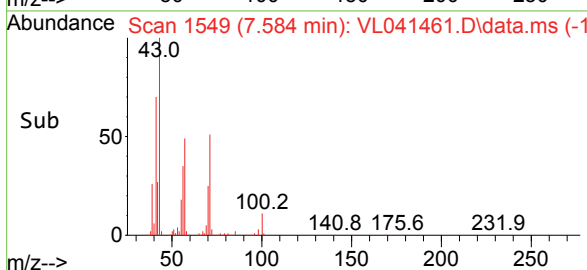
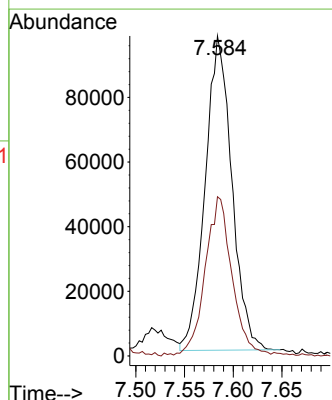
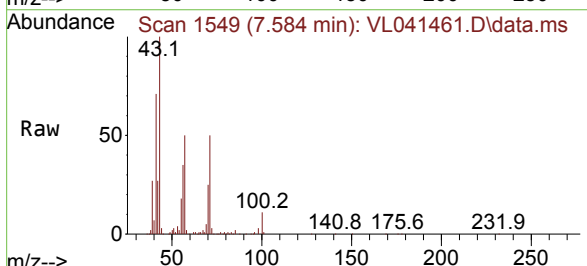
Acq: 31 Jul 2024 13:35

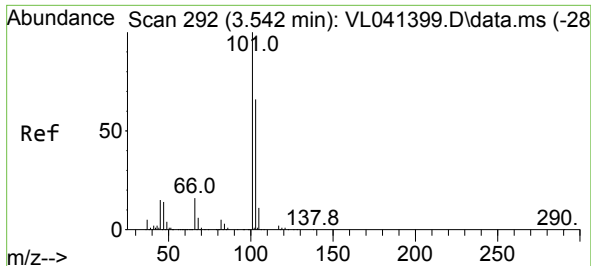
Tgt Ion: 43 Resp: 184721

Ion Ratio Lower Upper

43 100

57 50.6 40.5 60.7

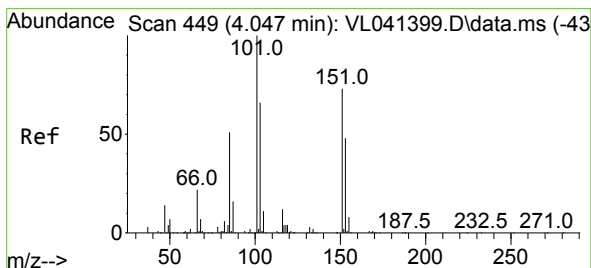
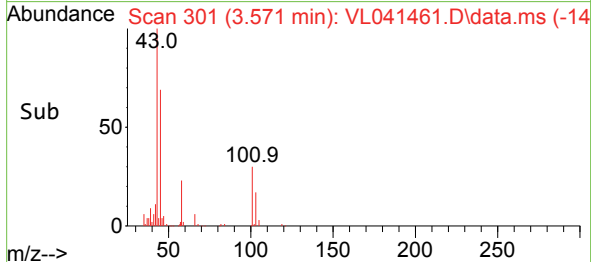
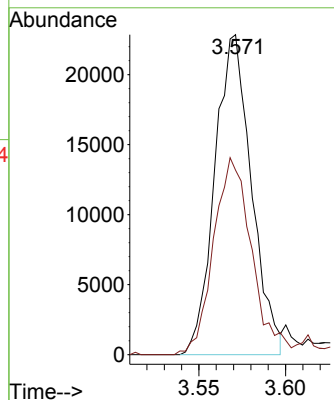
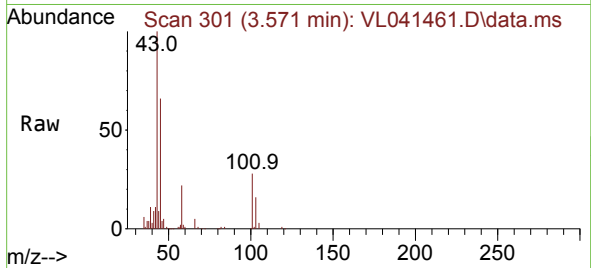




#11
 Trichlorofluoromethane
 Concen: 0.211 ppbv
 RT: 3.571 min Scan# 301
 Delta R.T. 0.006 min
 Lab File: VL041461.D
 Acq: 31 Jul 2024 13:35

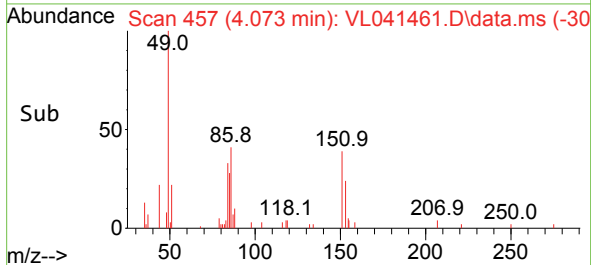
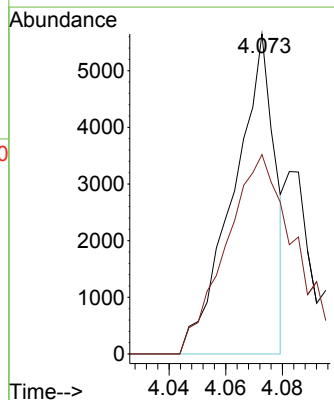
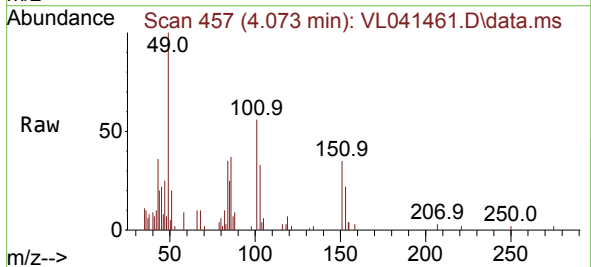
Instrument :
 MSVOA_L
 ClientSampleId :

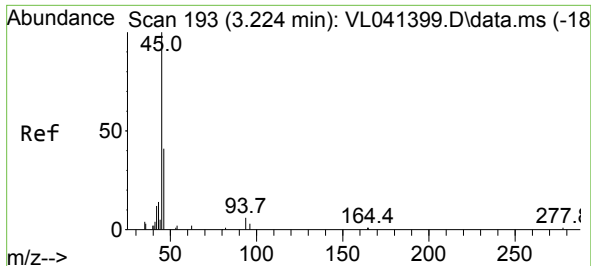
Tgt Ion:101 Resp: 33598
 Ion Ratio Lower Upper
 101 100
 103 56.5 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.050 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.006 min
 Lab File: VL041461.D
 Acq: 31 Jul 2024 13:35

Tgt Ion:101 Resp: 5731
 Ion Ratio Lower Upper
 101 100
 151 105.3 59.4 89.2#

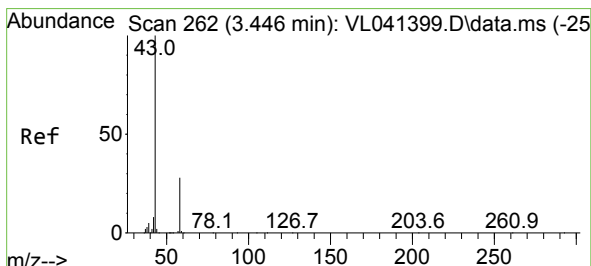
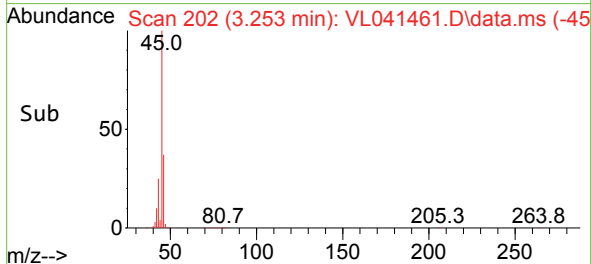
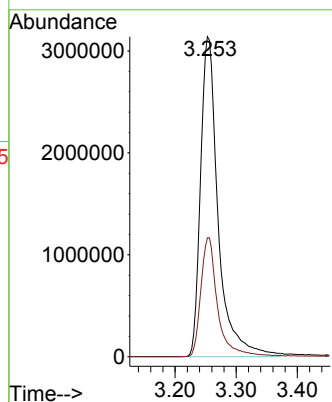
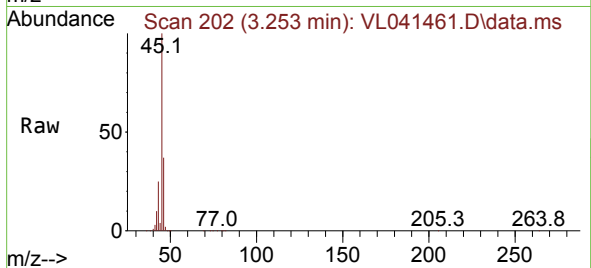




#13
 Ethanol
 Concen: 1235.380 ppbv
 RT: 3.253 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VL041461.D
 Acq: 31 Jul 2024 13:35

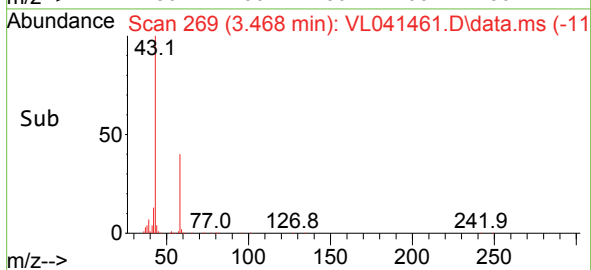
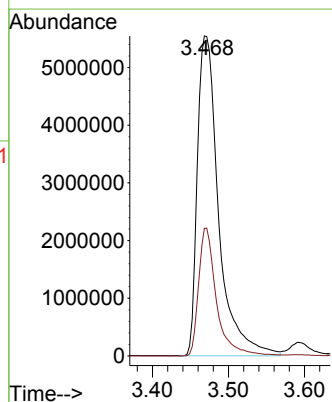
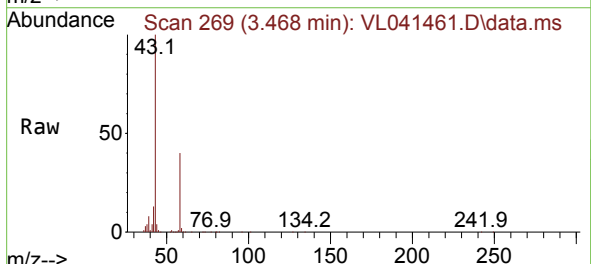
Instrument :
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 ClientSampleId :

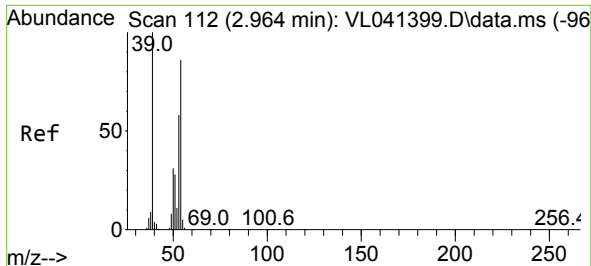
Tgt Ion: 45 Resp: 6278978
 Ion Ratio Lower Upper
 45 100
 46 36.2 13.4 53.4



#15
 Acetone
 Concen: 91.500 ppbv
 RT: 3.468 min Scan# 269
 Delta R.T. -0.000 min
 Lab File: VL041461.D
 Acq: 31 Jul 2024 13:35

Tgt Ion: 43 Resp:10810697
 Ion Ratio Lower Upper
 43 100
 58 33.7 21.4 32.2#

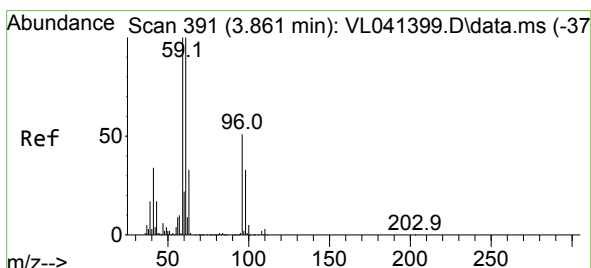
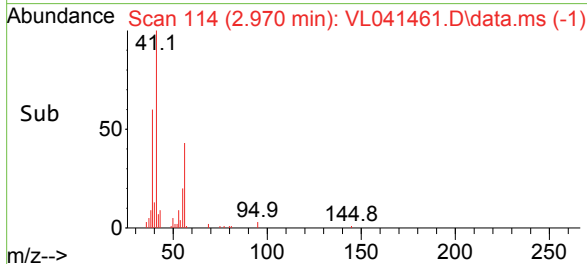
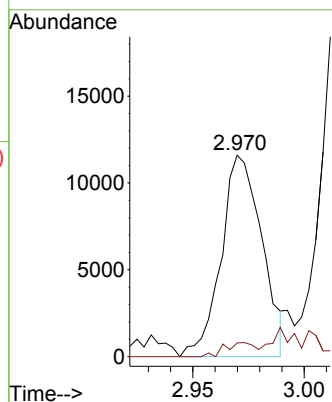
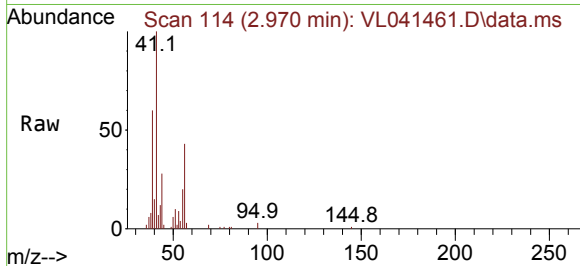




#16
1,3-Butadiene
Concen: 0.233 ppbv
RT: 2.970 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

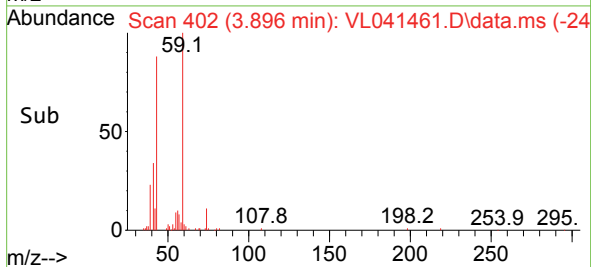
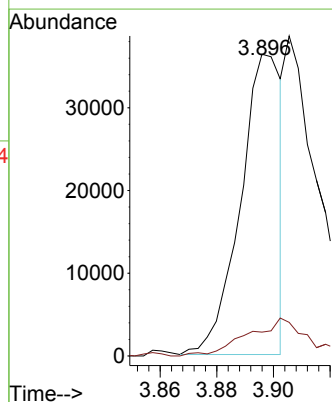
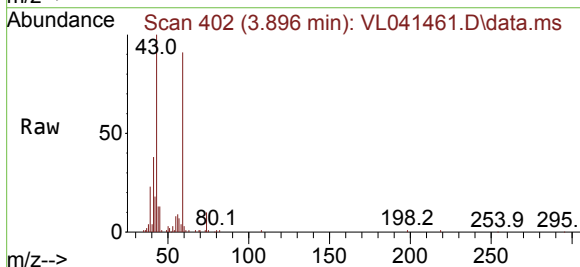
Instrument :
MSVOA_L
ClientSampleId :

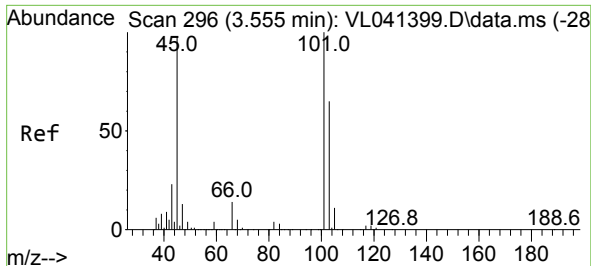
Tgt Ion: 39 Resp: 14717
Ion Ratio Lower Upper
39 100
54 21.7 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.337 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.019 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion: 59 Resp: 36323
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

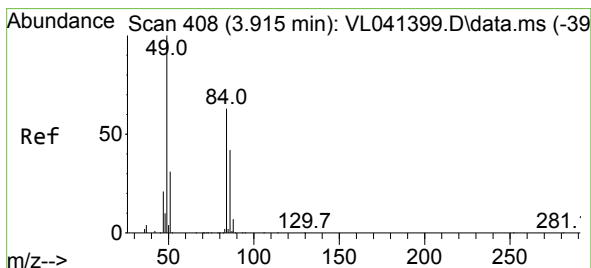
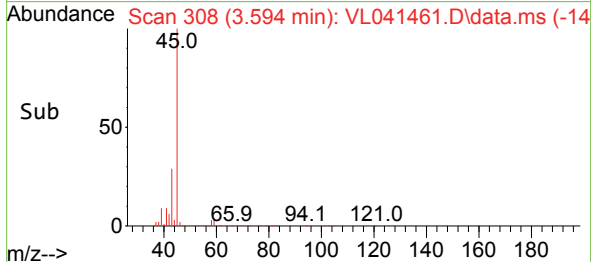
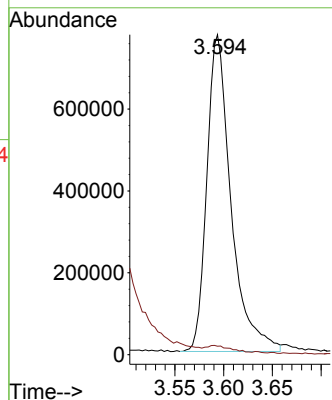
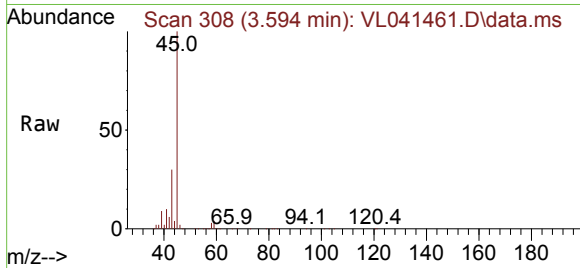




#19
Isopropyl Alcohol
Concen: 19.321 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.019 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

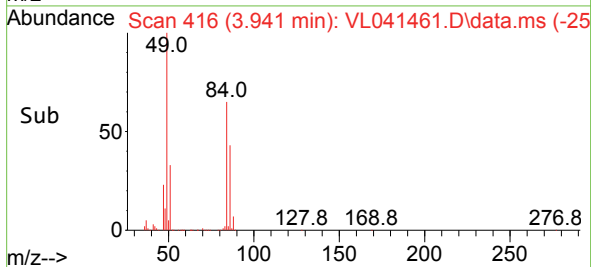
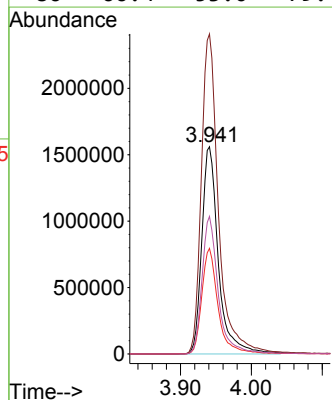
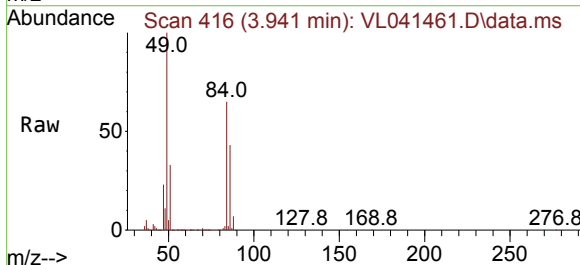
Instrument :
MSVOA_L
ClientSampleId :

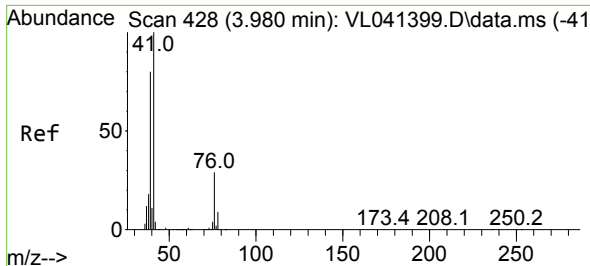
Tgt Ion: 45 Resp: 1334538
Ion Ratio Lower Upper
45 100
58 273.0 1.9 2.9#



#20
Methylene Chloride
Concen: 57.670 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.006 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion: 84 Resp: 2540874
Ion Ratio Lower Upper
84 100
49 154.4 126.6 190.0
51 51.0 38.6 58.0
86 66.4 53.0 79.4

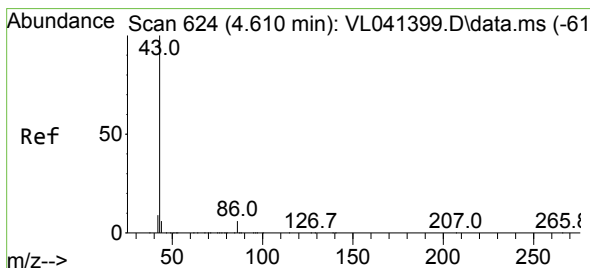
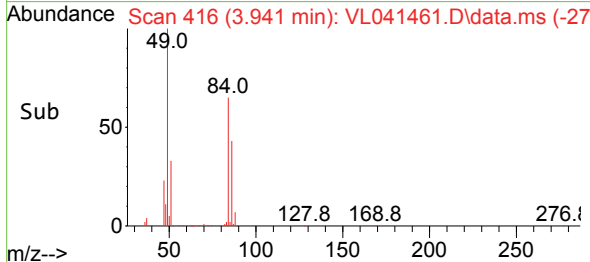
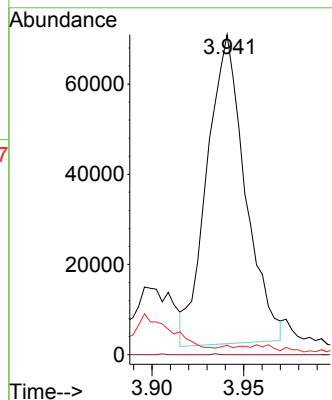
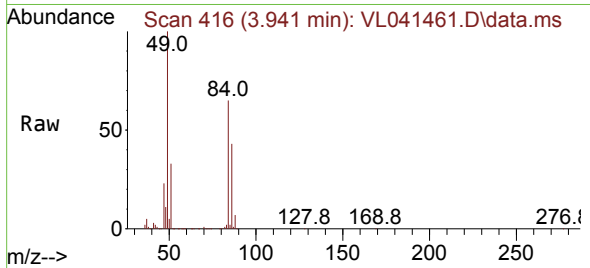




#21
 Allyl Chloride
 Concen: 1.279 ppbv
 RT: 3.941 min Scan# 416
 Delta R.T. -0.055 min
 Lab File: VL041461.D
 Acq: 31 Jul 2024 13:35

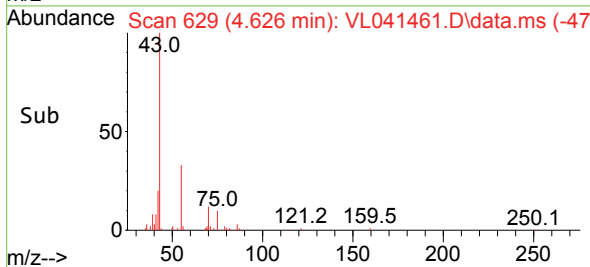
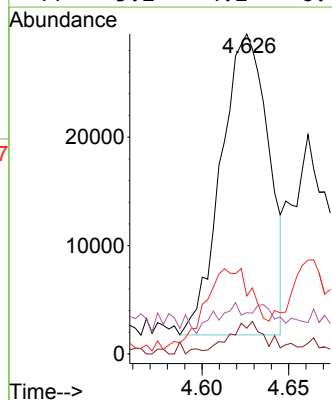
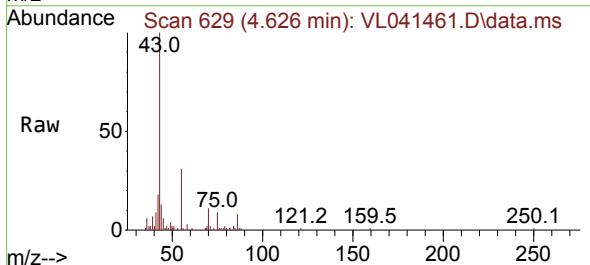
Instrument :
 MSVOA_L
 ClientSampleId :

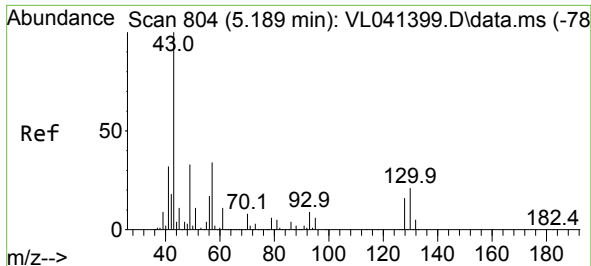
Tgt Ion: 41 Resp: 99133
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.7 35.5#
 39 0.0 64.3 96.5#



#23
 Vinyl Acetate
 Concen: 0.584 ppbv
 RT: 4.626 min Scan# 629
 Delta R.T. -0.003 min
 Lab File: VL041461.D
 Acq: 31 Jul 2024 13:35

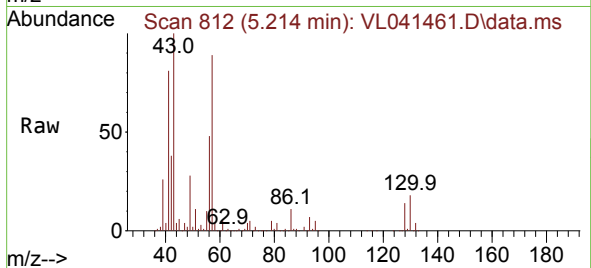
Tgt Ion: 43 Resp: 52705
 Ion Ratio Lower Upper
 43 100
 86 6.5 4.6 6.8
 42 15.6 7.9 11.9#
 44 5.2 4.2 6.4





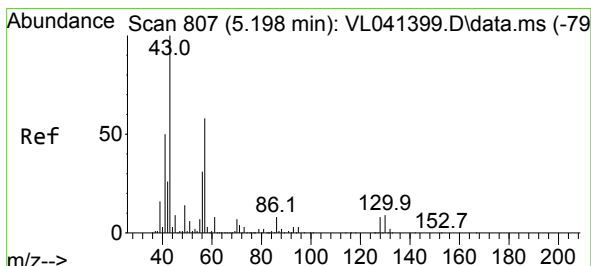
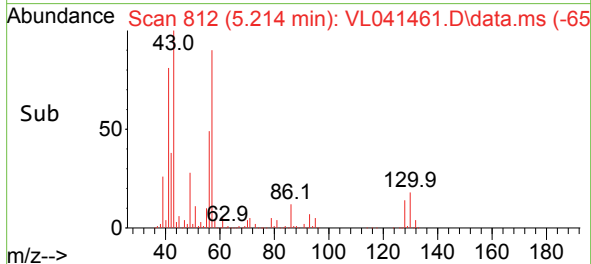
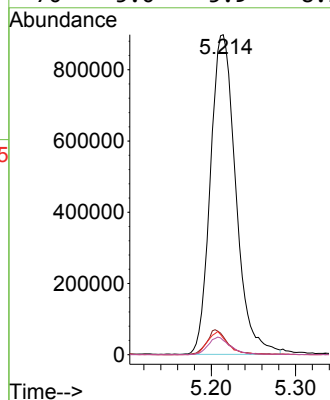
#25
Ethyl Acetate
Concen: 7.985 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.010 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 1874356

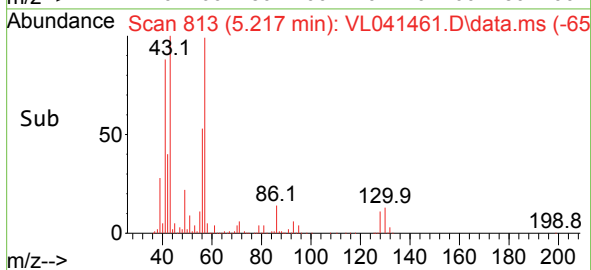
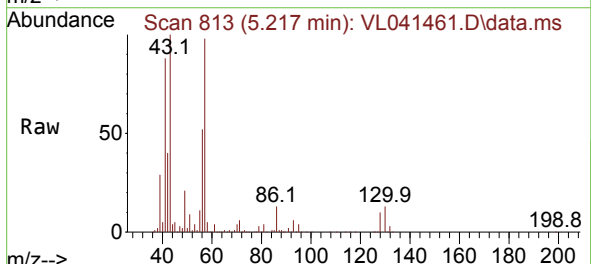
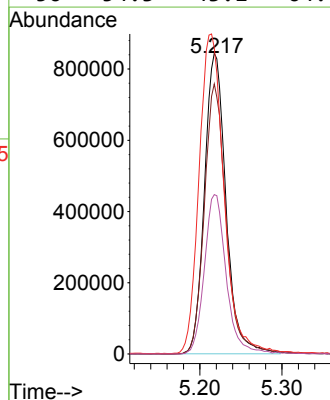
Ion	Ratio	Lower	Upper
43	100		
45	6.7	8.5	12.7#
61	6.0	8.0	12.0#
70	5.0	5.9	8.9#

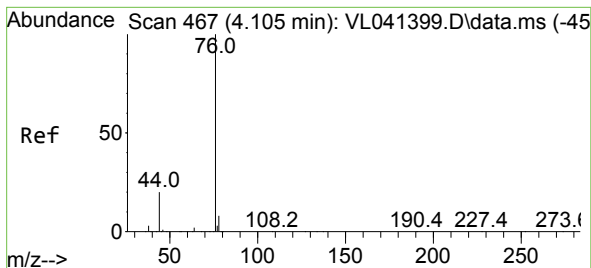


#26
Hexane
Concen: 15.766 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion: 57 Resp: 1535129

Ion	Ratio	Lower	Upper
57	100		
41	91.5	74.0	111.0
43	124.0	193.6	290.4#
56	54.3	43.1	64.7





#27

Carbon Disulfide

Concen: 0.083 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.006 min

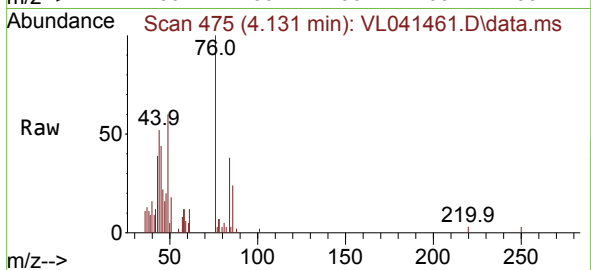
Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :



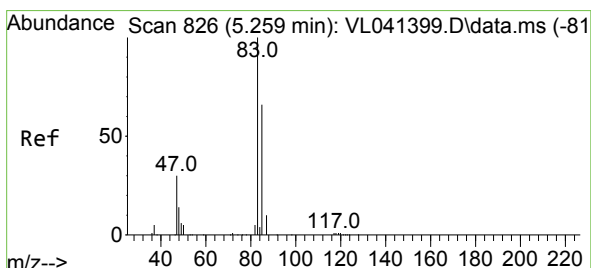
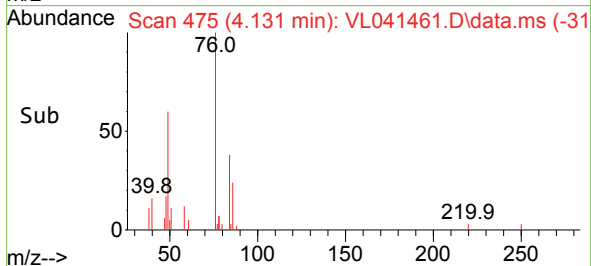
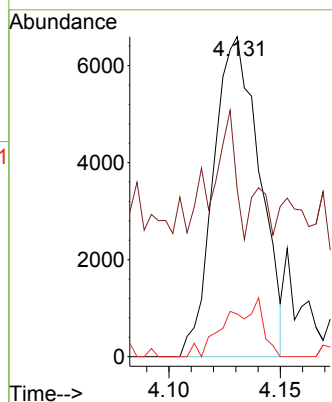
Tgt Ion: 76 Resp: 9507

Ion	Ratio	Lower	Upper
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76	100		
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44	43.8	15.6	23.4#
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78	14.3	7.7	11.5#
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#29

Chloroform

Concen: 0.196 ppbv

RT: 5.282 min Scan# 833

Delta R.T. 0.006 min

Lab File: VL041461.D

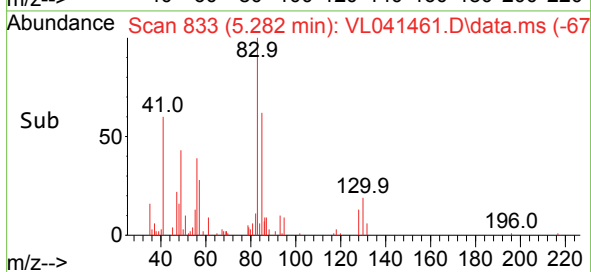
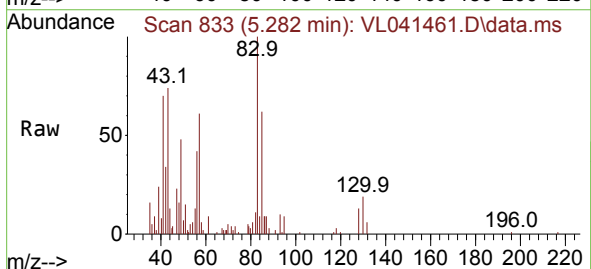
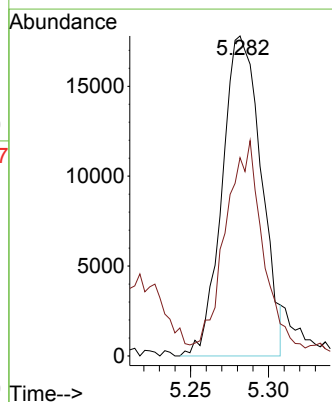
Acq: 31 Jul 2024 13:35

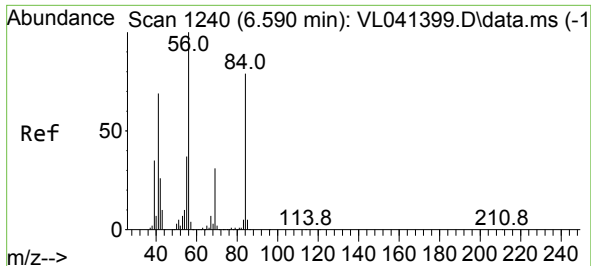
Tgt Ion: 83 Resp: 31108

Ion	Ratio	Lower	Upper
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83	100		
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85	53.2	53.1	79.7
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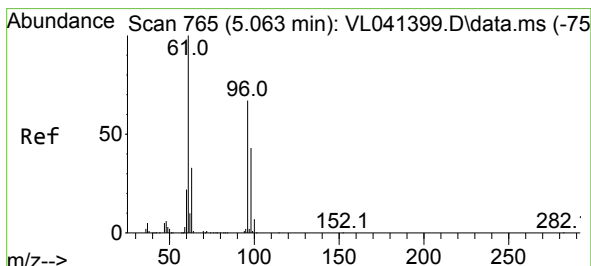
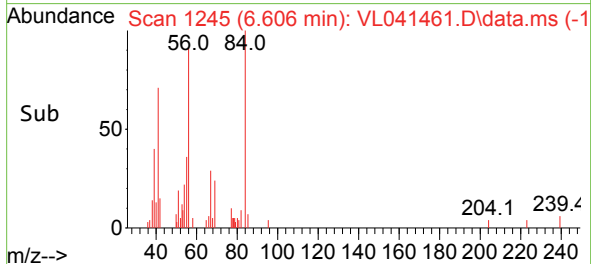
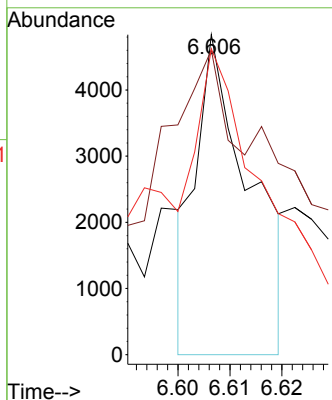
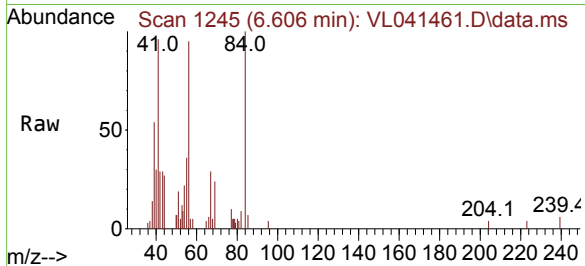




#30
Cyclohexane
Concen: 0.044 ppbv
RT: 6.606 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

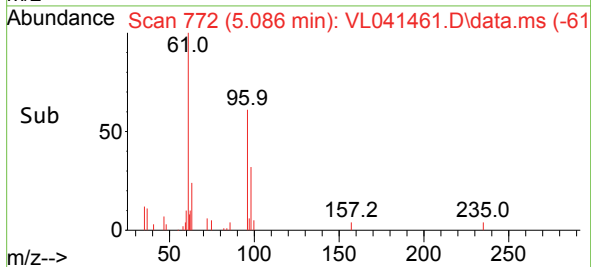
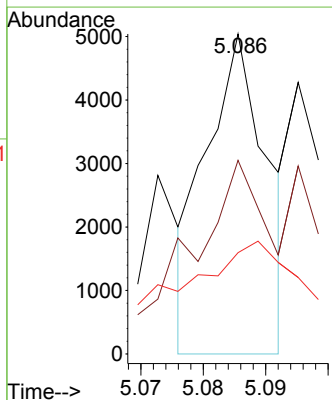
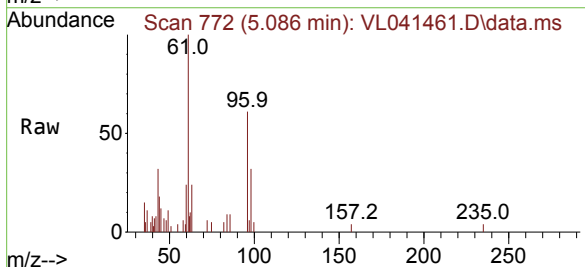
Instrument :
MSVOA_L
ClientSampleId :

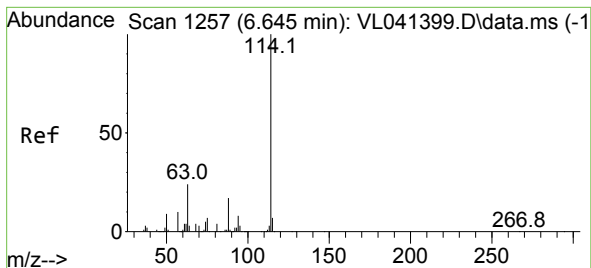
Tgt Ion: 84 Resp: 3469
Ion Ratio Lower Upper
84 100
56 208.9 111.2 166.8#
41 283.9 70.3 105.5#



#31
cis-1,2-Dichloroethene
Concen: 0.035 ppbv
RT: 5.086 min Scan# 772
Delta R.T. 0.003 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion: 61 Resp: 3411
Ion Ratio Lower Upper
61 100
96 53.5 53.4 80.2
98 21.8 34.4 51.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

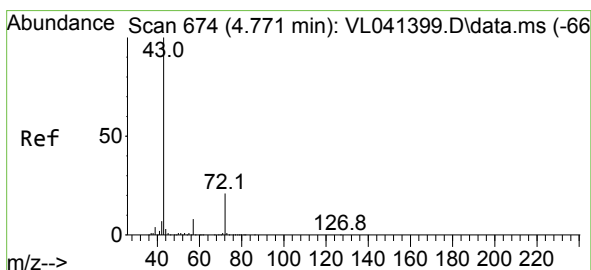
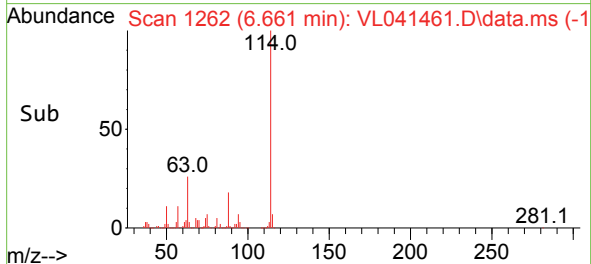
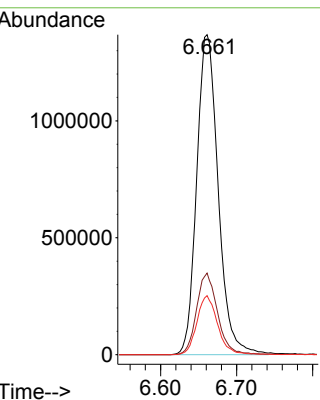
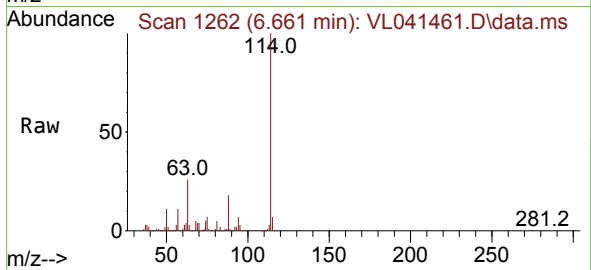
Tgt Ion:114 Resp: 2690084

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 3.675 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.006 min

Lab File: VL041461.D

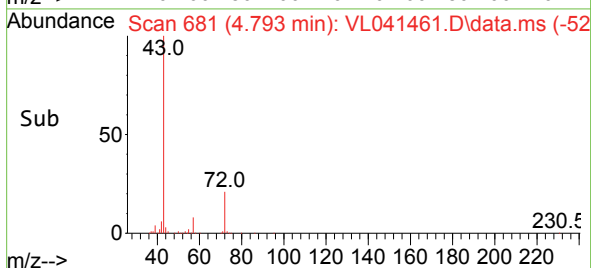
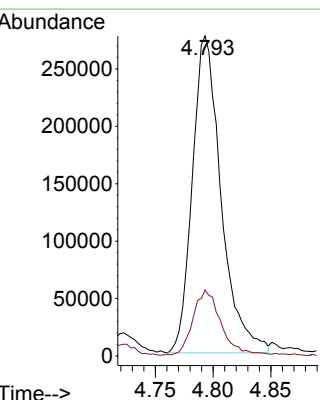
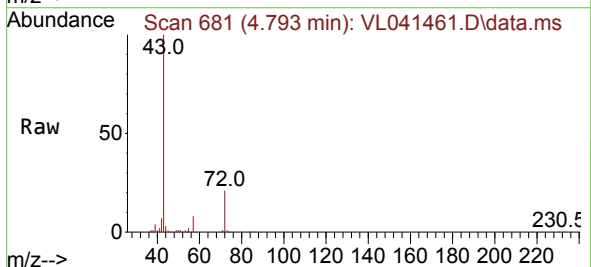
Acq: 31 Jul 2024 13:35

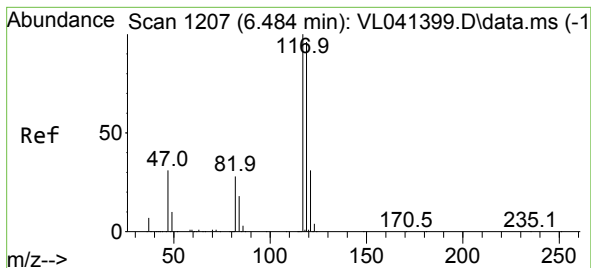
Tgt Ion: 43 Resp: 478242

Ion Ratio Lower Upper

43 100

72 21.3 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 6.504 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

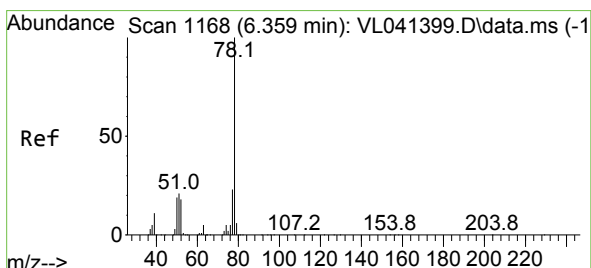
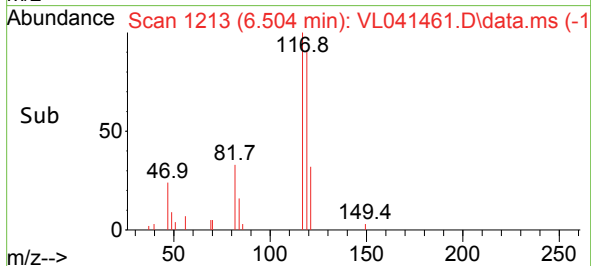
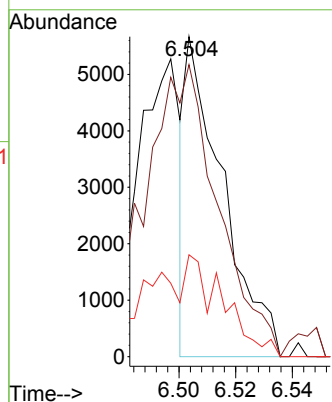
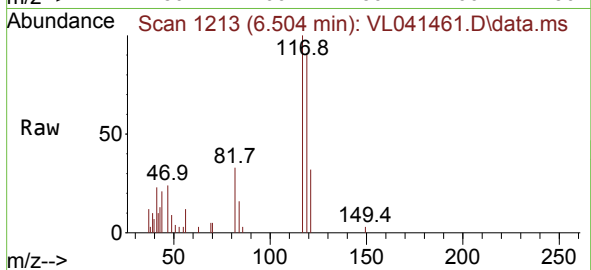
Tgt Ion:117 Resp: 5172

Ion Ratio Lower Upper

117 100

119 91.2 76.6 115.0

121 31.8 25.1 37.7



#36

Benzene

Concen: 0.127 ppbv

RT: 6.381 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

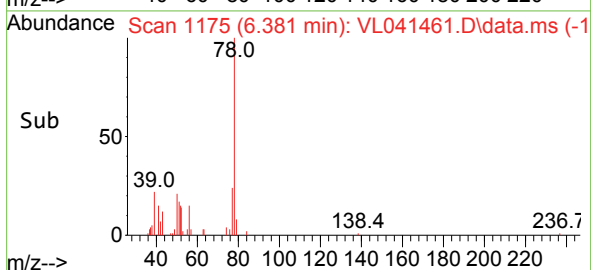
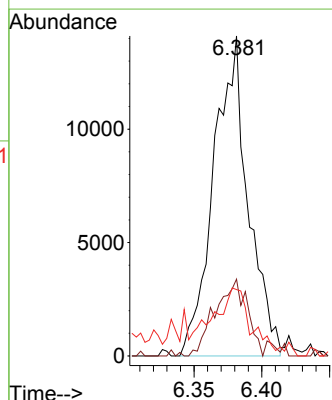
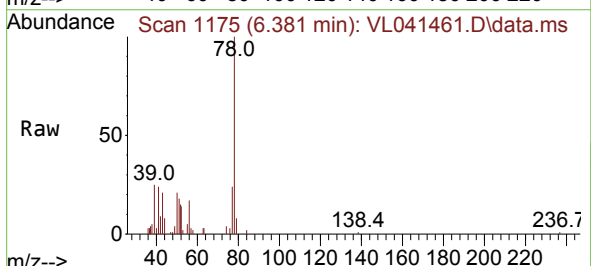
Tgt Ion: 78 Resp: 25006

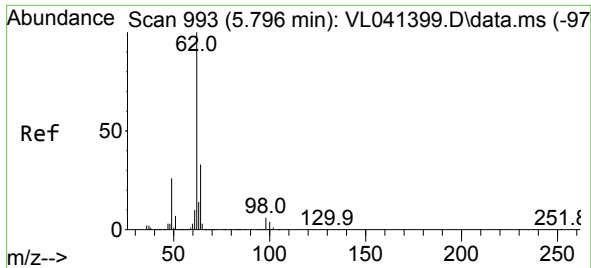
Ion Ratio Lower Upper

78 100

77 22.9 18.1 27.1

50 18.0 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.110 ppbv

RT: 5.812 min Scan# 99

Delta R.T. 0.003 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

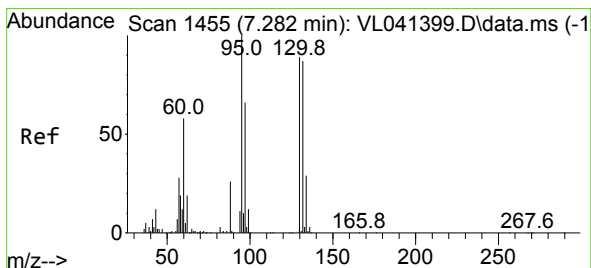
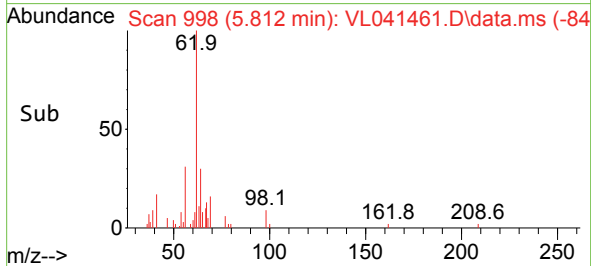
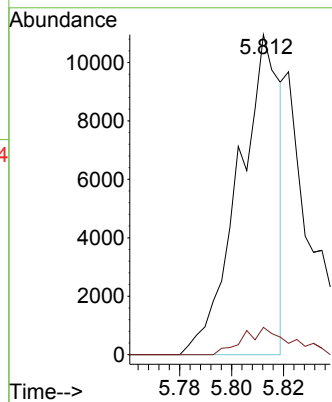
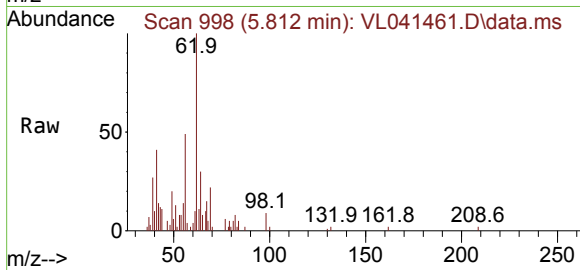
ClientSampleId :

Tgt Ion: 62 Resp: 12063

Ion Ratio Lower Upper

62 100

98 11.3 5.0 7.4#



#38

Trichloroethene

Concen: 0.045 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Tgt Ion:130 Resp: 4036

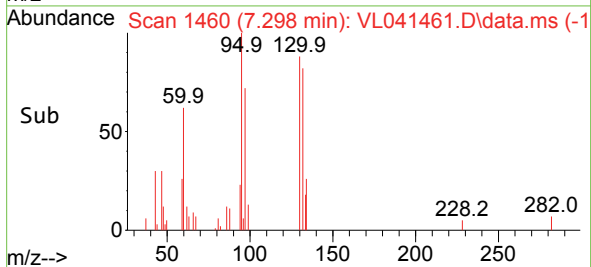
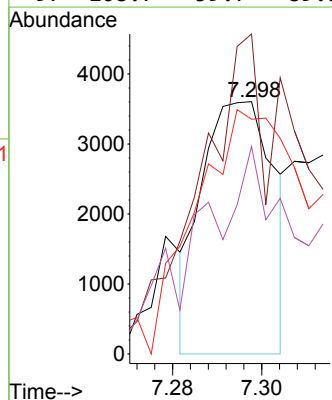
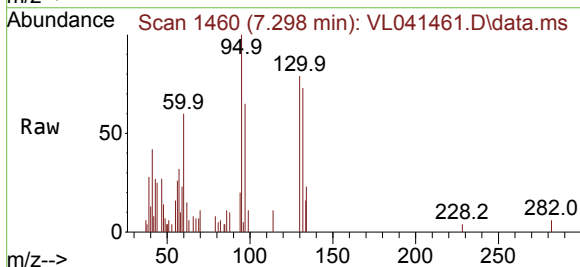
Ion Ratio Lower Upper

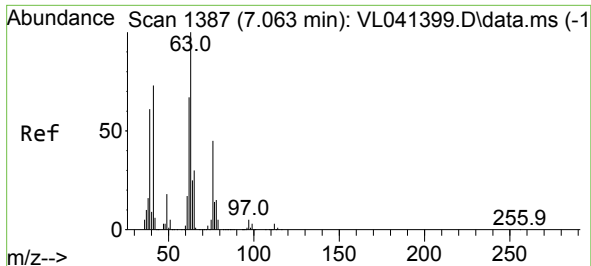
130 100

95 137.7 90.2 135.2#

132 84.4 78.1 117.1

97 108.7 59.7 89.5#





#39

1,2-Dichloropropane

Concen: 8.790 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

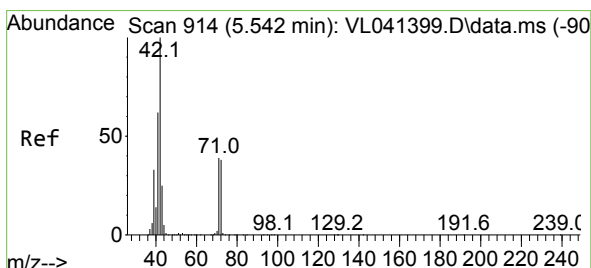
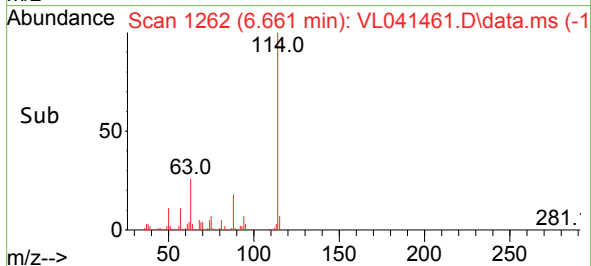
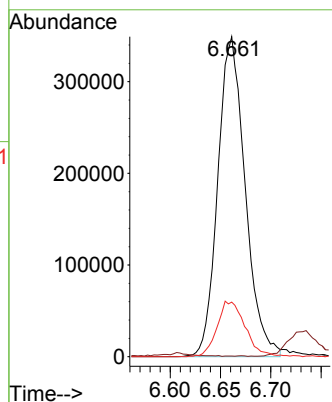
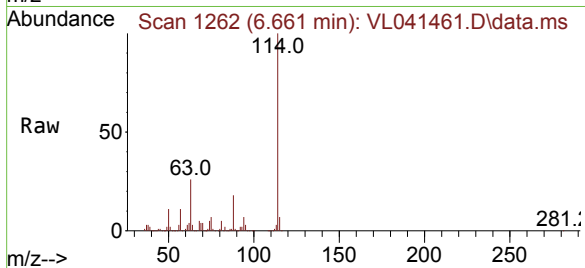
Tgt Ion: 63 Resp: 661470

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.0 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.184 ppbv

RT: 5.539 min Scan# 913

Delta R.T. -0.019 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

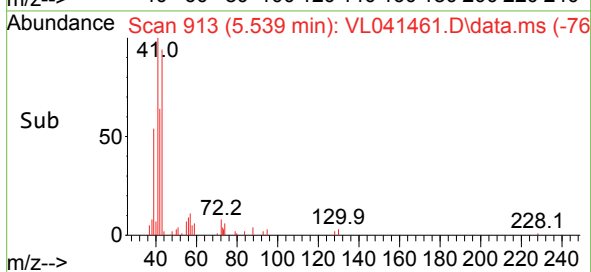
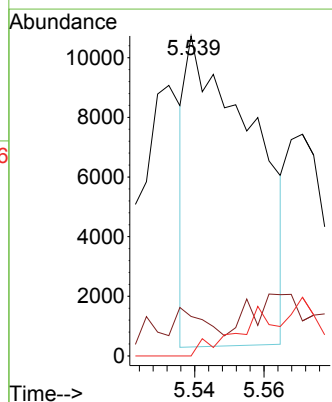
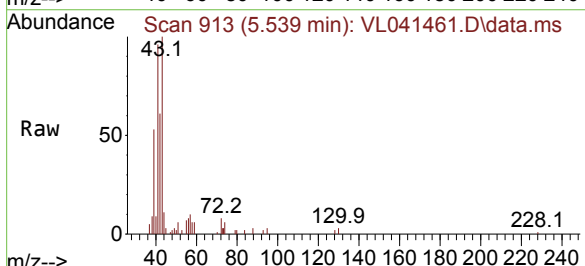
Tgt Ion: 42 Resp: 13659

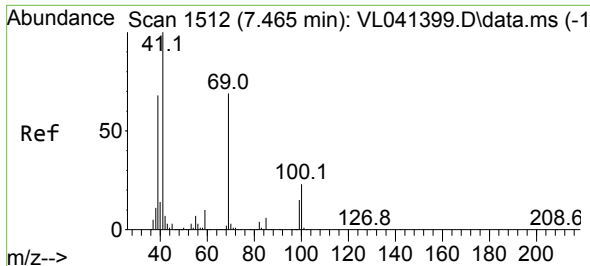
Ion Ratio Lower Upper

42 100

72 45.2 31.2 46.8

71 26.1 30.5 45.7#





#43

Methyl Methacrylate

Concen: 0.053 ppbv

RT: 7.478 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

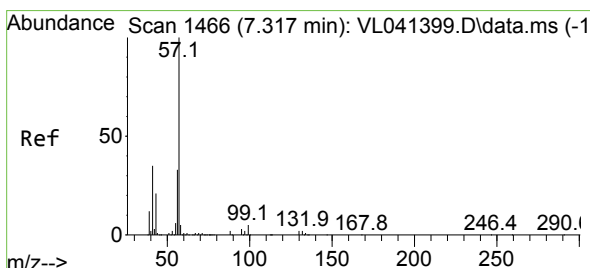
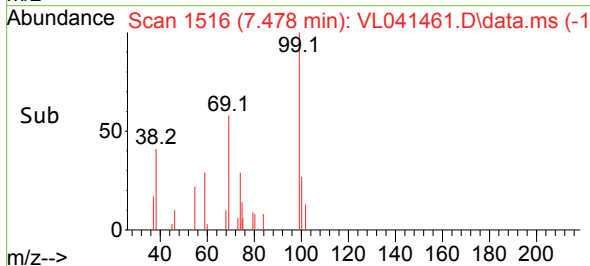
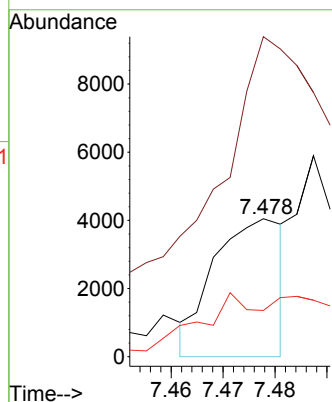
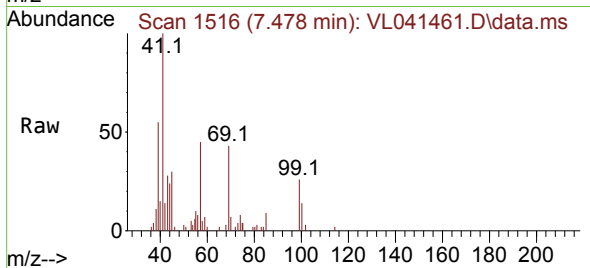
Tgt Ion: 69 Resp: 3743

Ion Ratio Lower Upper

69 100

41 477.1 118.7 178.1#

100 104.1 27.0 40.4#



#44

2,2,4-Trimethylpentane

Concen: 0.293 ppbv

RT: 7.375 min Scan# 1484

Delta R.T. 0.042 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

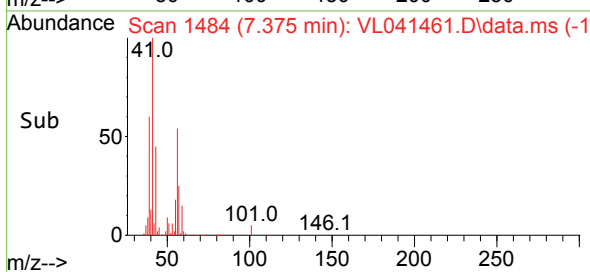
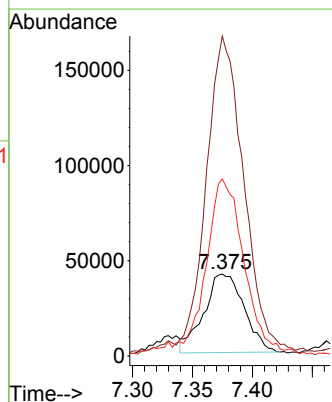
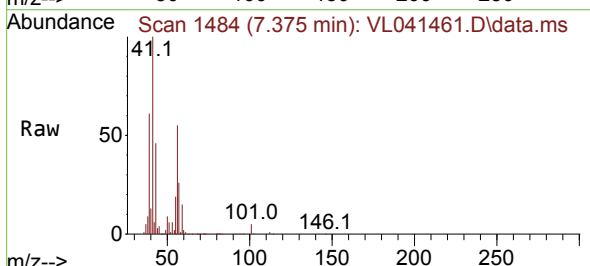
Tgt Ion: 57 Resp: 96206

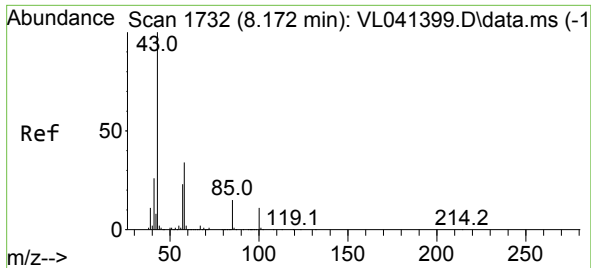
Ion Ratio Lower Upper

57 100

41 385.9 27.0 40.6#

56 228.1 25.2 37.8#

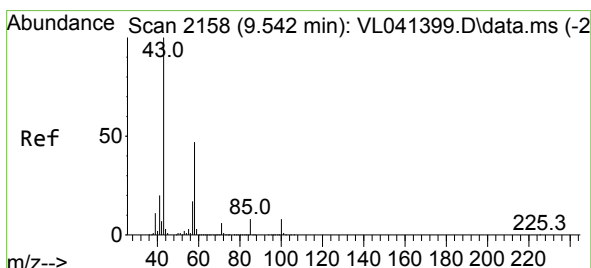
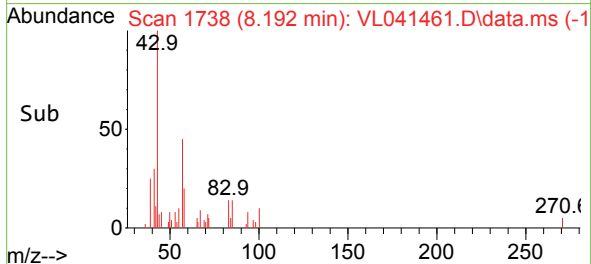
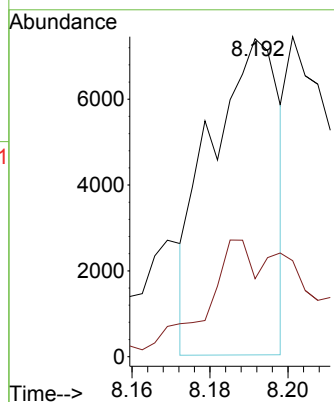
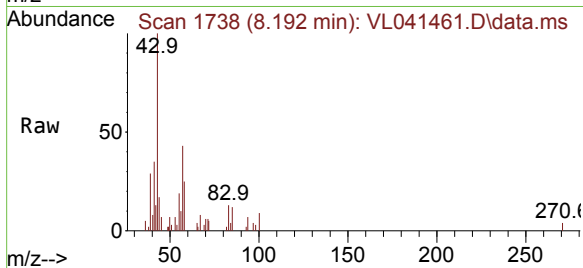




#50
4-Methyl-2-Pentanone
Concen: 0.044 ppbv
RT: 8.192 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

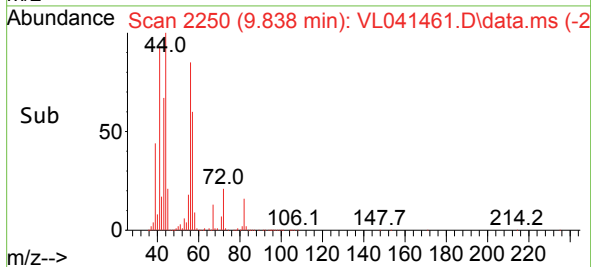
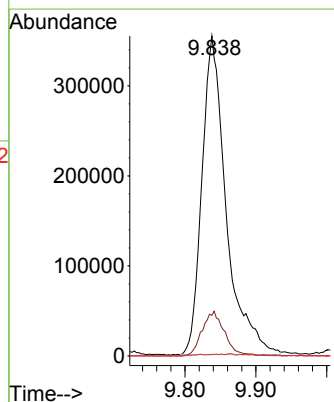
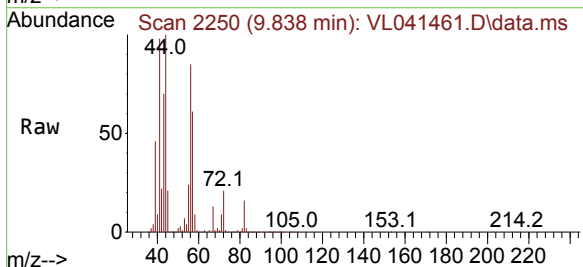
Instrument :
MSVOA_L
ClientSampleId :

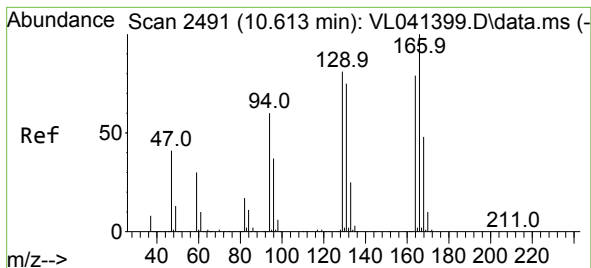
Tgt Ion: 43 Resp: 9009
Ion Ratio Lower Upper
43 100
58 65.8 27.9 41.9#



#51
2-Hexanone
Concen: 5.418 ppbv
RT: 9.838 min Scan# 2250
Delta R.T. 0.286 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion: 43 Resp: 841167
Ion Ratio Lower Upper
43 100
58 13.0 38.2 57.2#
98 1.2 0.3 0.5#





#52

Tetrachloroethene

Concen: 6.201 ppbv

RT: 10.622 min Scan# 2491

Delta R.T. -0.000 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:164 Resp: 470991

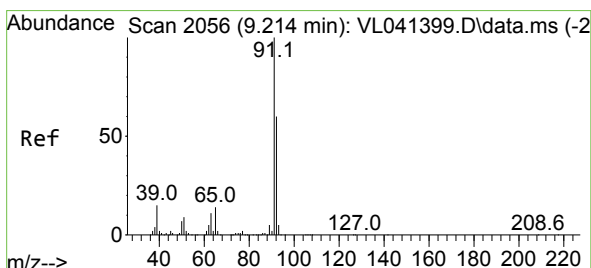
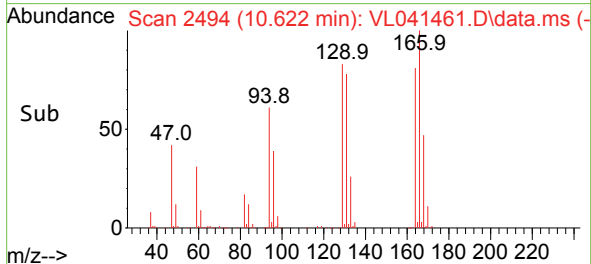
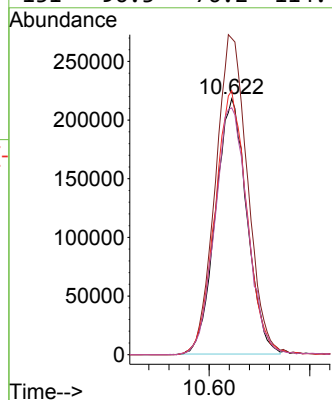
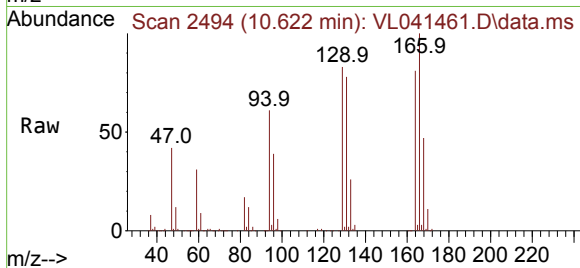
Ion Ratio Lower Upper

164 100

166 123.6 101.1 151.7

129 103.2 81.7 122.5

131 96.3 76.2 114.4



#53

Toluene

Concen: 14.650 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. -0.000 min

Lab File: VL041461.D

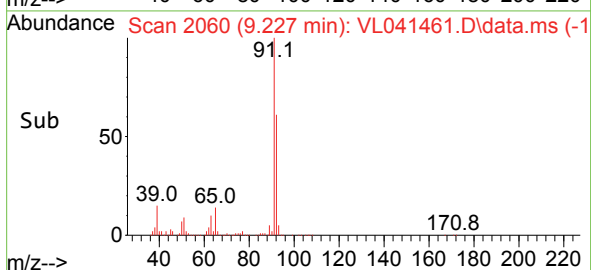
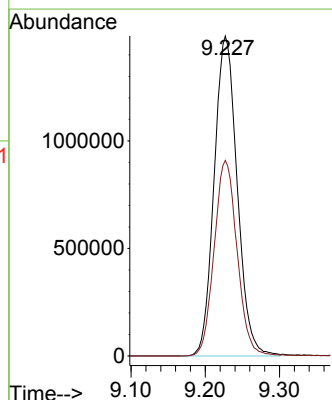
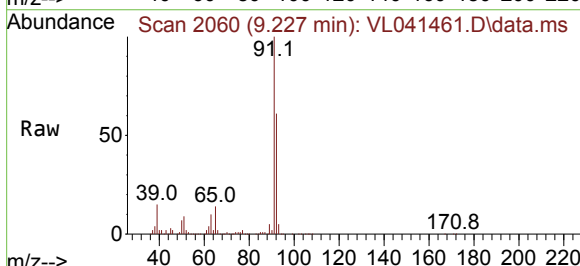
Acq: 31 Jul 2024 13:35

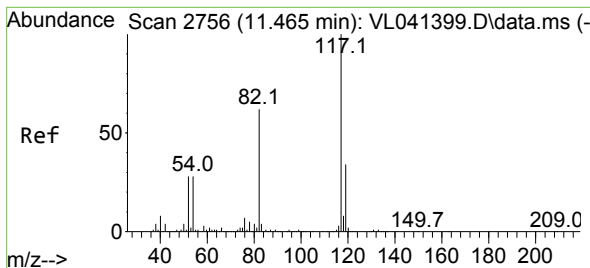
Tgt Ion: 91 Resp: 3207546

Ion Ratio Lower Upper

91 100

92 61.2 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

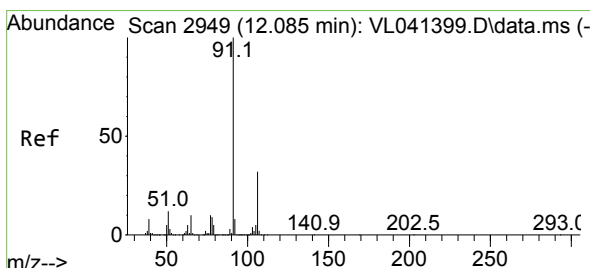
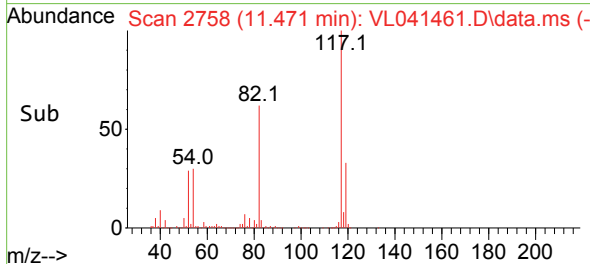
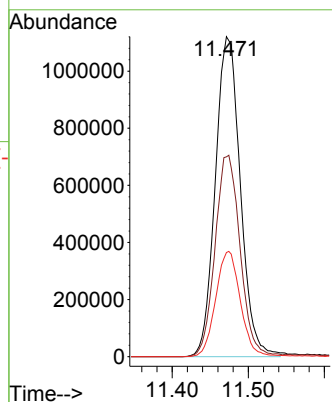
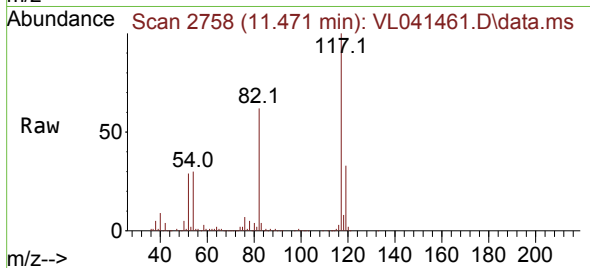
Tgt Ion:117 Resp: 2567994

Ion Ratio Lower Upper

117 100

82 64.3 51.0 76.6

119 32.9 45.2 67.8#



#58

Ethyl Benzene

Concen: 0.063 ppbv

RT: 12.384 min Scan# 3042

Delta R.T. 0.286 min

Lab File: VL041461.D

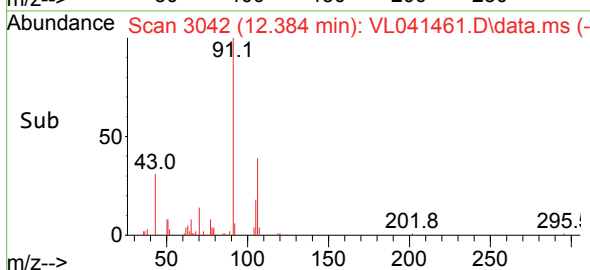
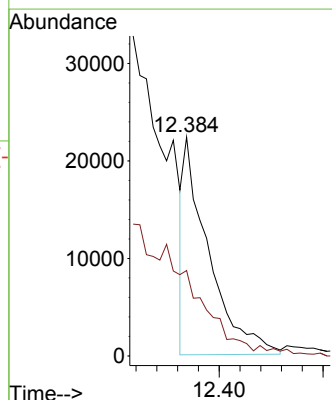
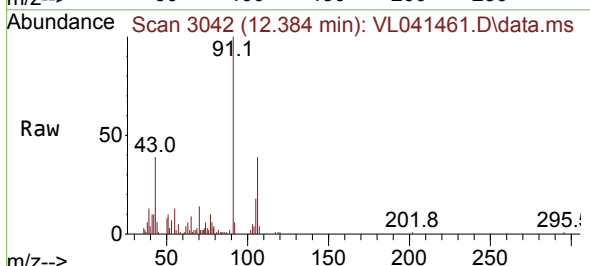
Acq: 31 Jul 2024 13:35

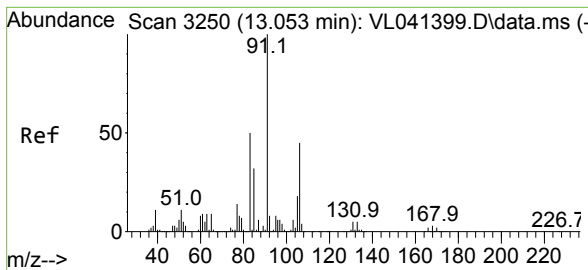
Tgt Ion: 91 Resp: 18624

Ion Ratio Lower Upper

91 100

106 37.9 25.8 38.8

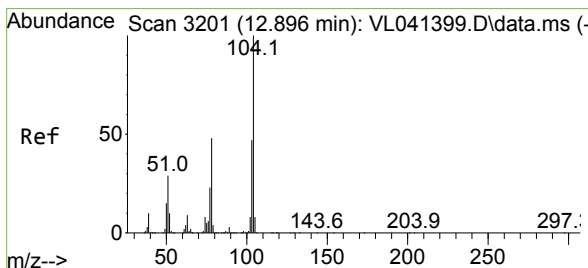
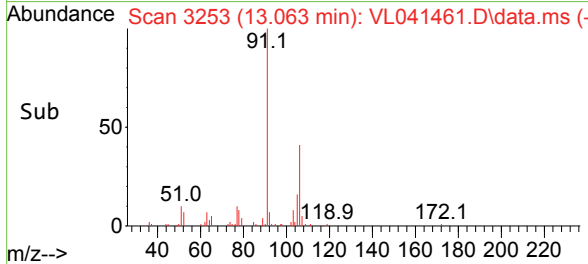
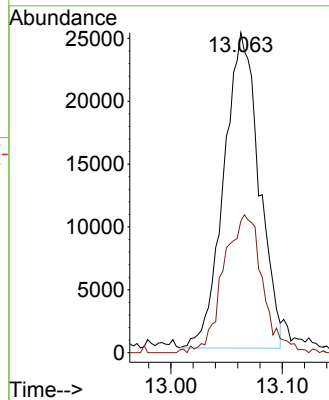
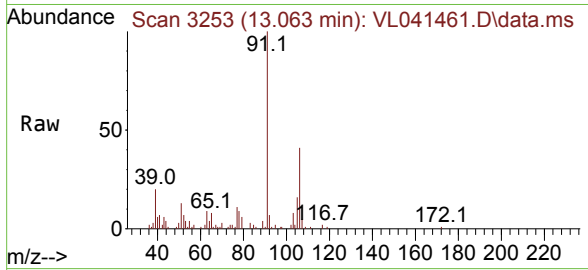




#60
o-Xylene
Concen: 0.229 ppbv
RT: 13.063 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

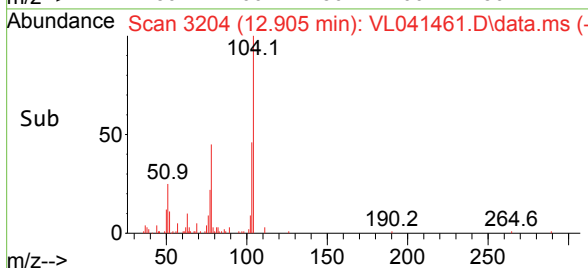
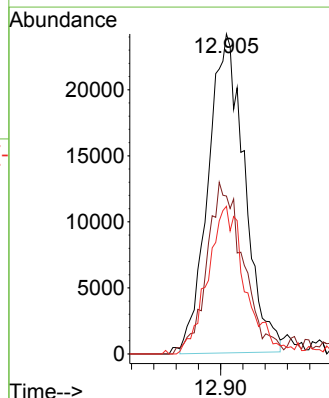
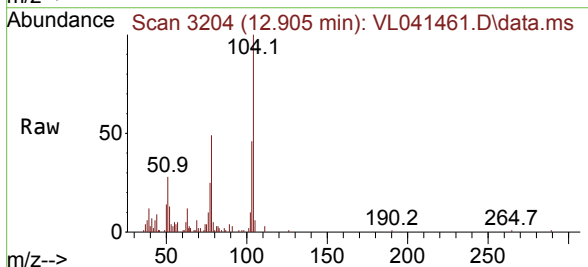
Instrument :
MSVOA_L
ClientSampleId :

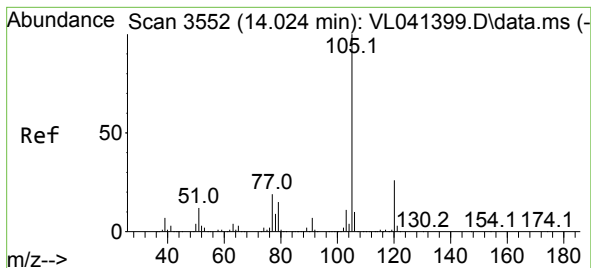
Tgt Ion: 91 Resp: 55349
Ion Ratio Lower Upper
91 100
106 48.3 23.1 69.3



#61
Styrene
Concen: 0.503 ppbv
RT: 12.905 min Scan# 3204
Delta R.T. -0.000 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion:104 Resp: 54853
Ion Ratio Lower Upper
104 100
78 55.4 40.8 61.2
103 49.1 38.2 57.4





#62

Isopropylbenzene

Concen: 0.043 ppbv

RT: 14.037 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

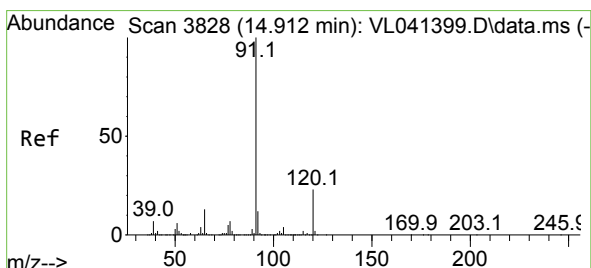
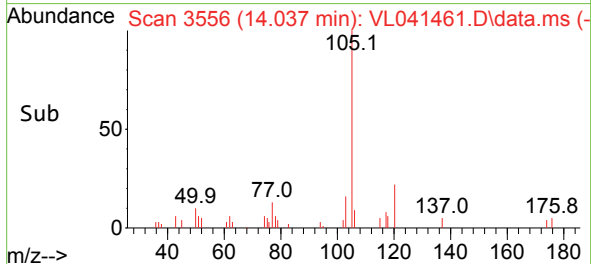
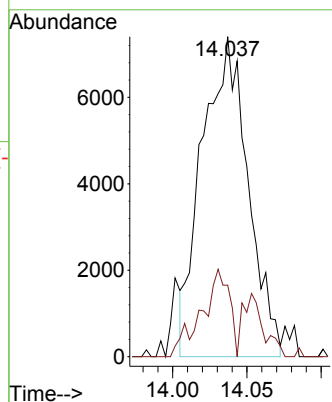
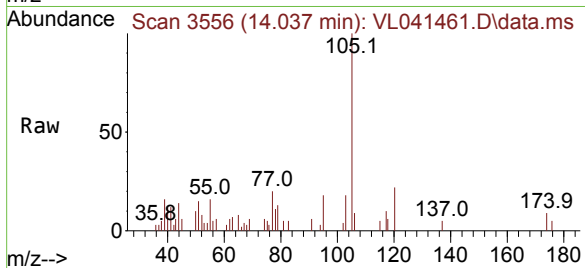
ClientSampleId :

Tgt Ion:105 Resp: 15877

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4



#64

n-propylbenzene

Concen: 0.033 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. -0.003 min

Lab File: VL041461.D

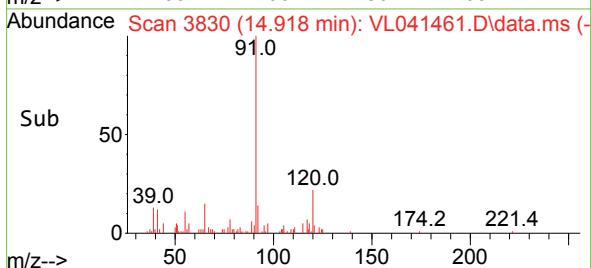
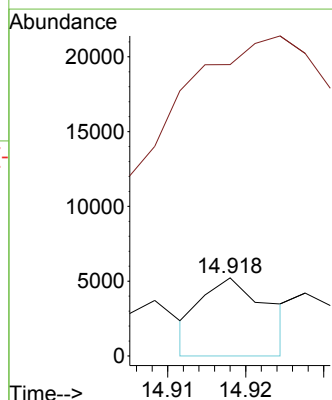
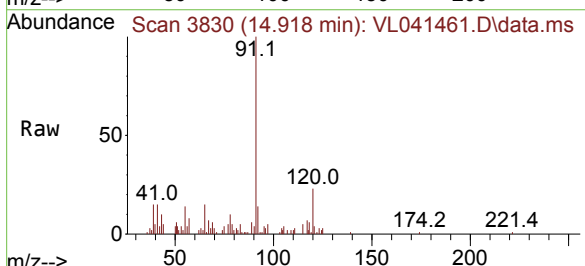
Acq: 31 Jul 2024 13:35

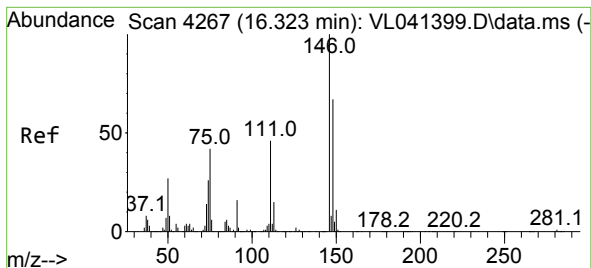
Tgt Ion:120 Resp: 3151

Ion Ratio Lower Upper

120 100

91 0.0 361.4 542.0#

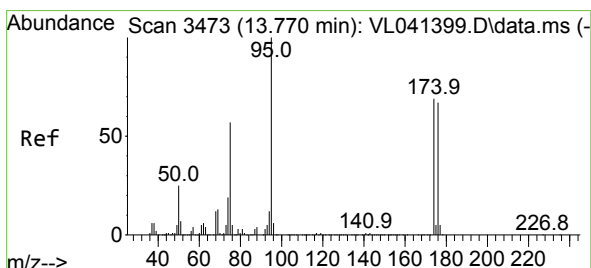
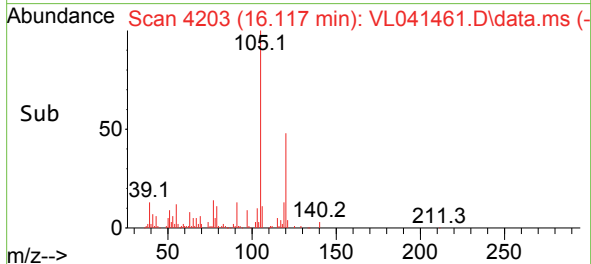
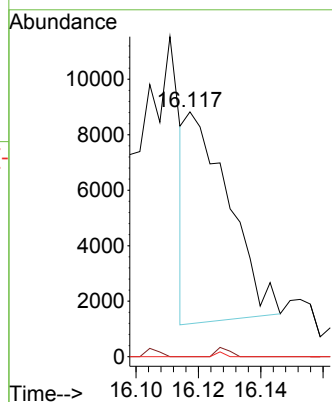
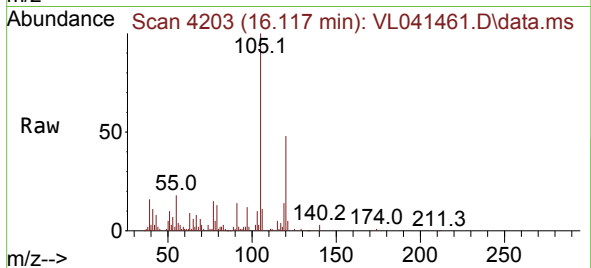




#66
Benzyl Chloride
Concen: 0.338 ppbv
RT: 16.117 min Scan# 41
Delta R.T. -0.219 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

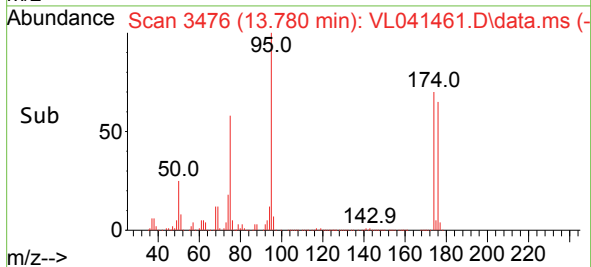
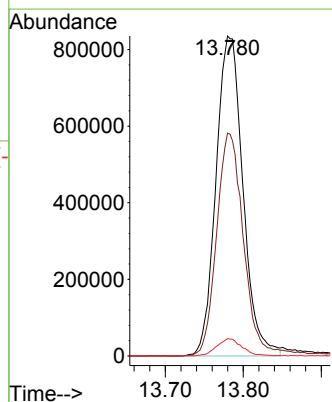
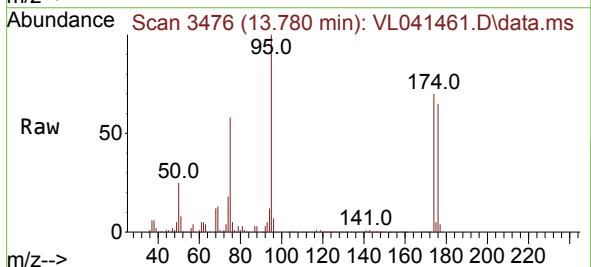
Instrument :
MSVOA_L
ClientSampleId :

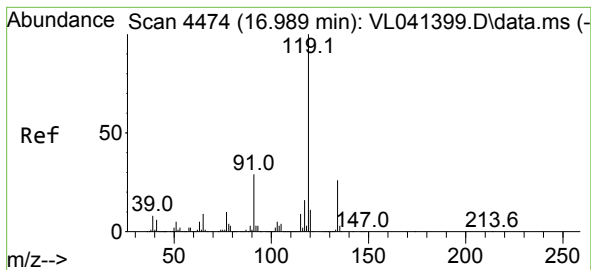
Tgt Ion: 91 Resp: 7202
Ion Ratio Lower Upper
91 100
126 1.1 13.8 20.8#
128 1.1 4.4 6.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.169 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.003 min
Lab File: VL041461.D
Acq: 31 Jul 2024 13:35

Tgt Ion: 95 Resp: 2009662
Ion Ratio Lower Upper
95 100
174 71.0 56.3 84.5
175 5.3 4.0 6.0





#69

p-Isopropyltoluene

Concen: 1.198 ppbv

RT: 16.998 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

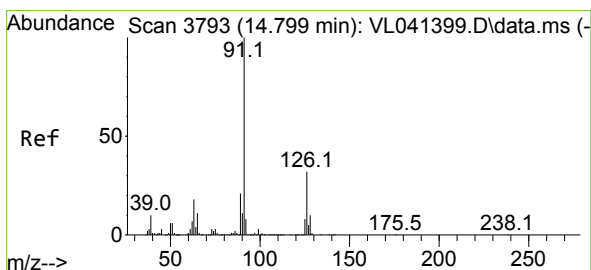
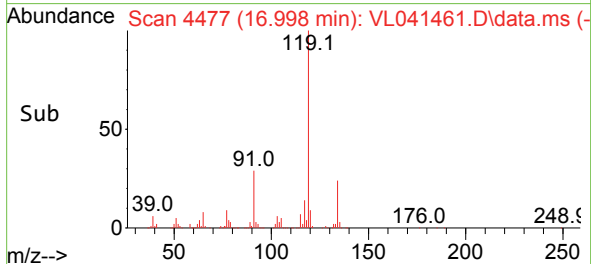
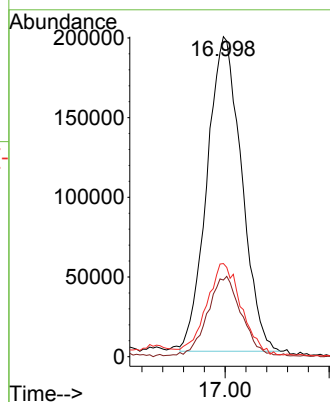
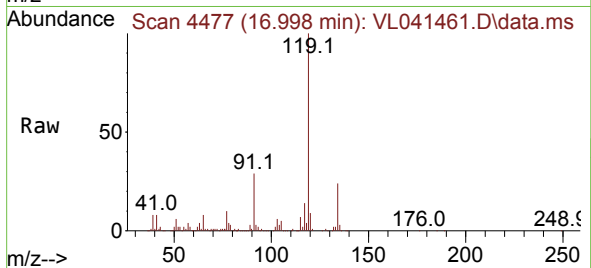
Tgt Ion:119 Resp: 454661

Ion Ratio Lower Upper

119 100

134 24.9 20.5 30.7

91 30.5 23.2 34.8



#71

2-Chlorotoluene

Concen: 0.176 ppbv

RT: 14.924 min Scan# 3832

Delta R.T. 0.119 min

Lab File: VL041461.D

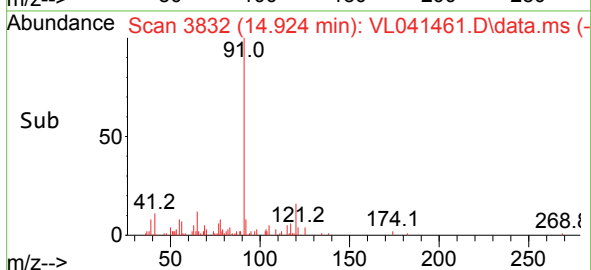
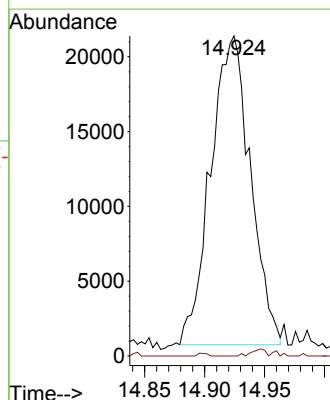
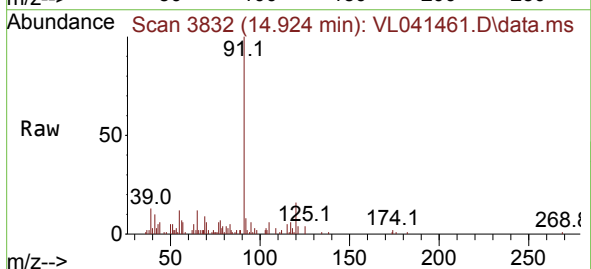
Acq: 31 Jul 2024 13:35

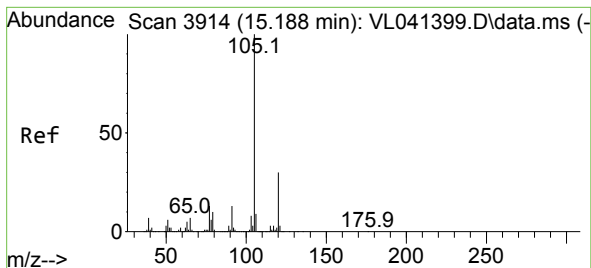
Tgt Ion: 91 Resp: 47645

Ion Ratio Lower Upper

91 100

126 1.0 12.7 50.9#





#72

4-Ethyltoluene

Concen: 0.034 ppbv

RT: 15.195 min Scan# 3916

Delta R.T. -0.003 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 9776

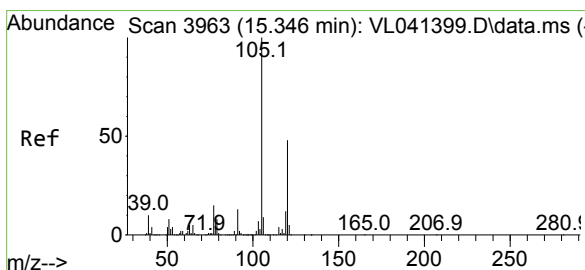
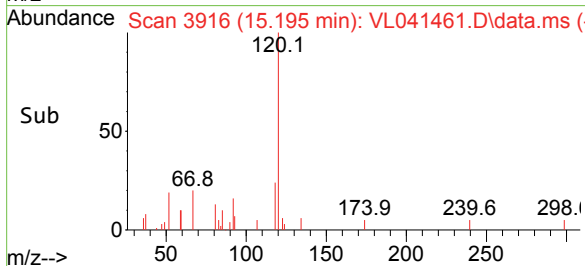
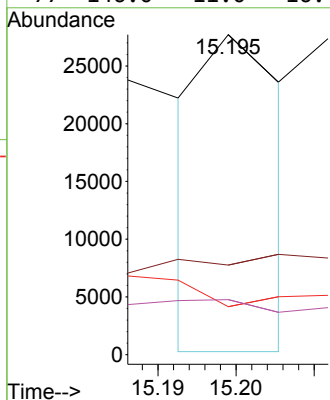
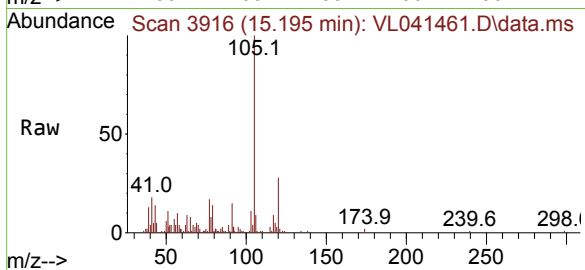
Ion Ratio Lower Upper

105 100

120 210.4 24.2 36.2#

91 0.0 10.4 15.6#

77 146.0 11.0 16.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.156 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. -0.003 min

Lab File: VL041461.D

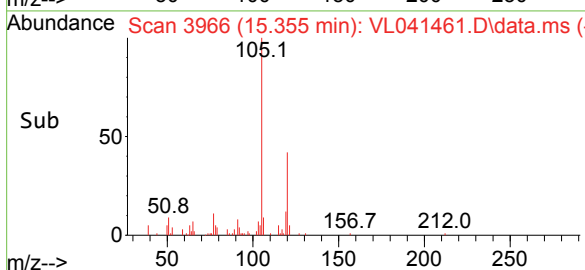
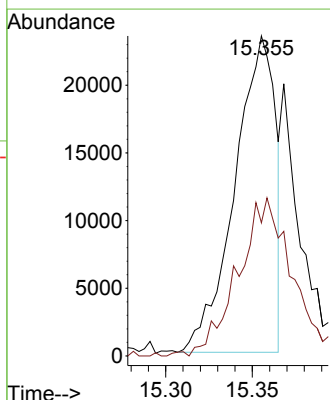
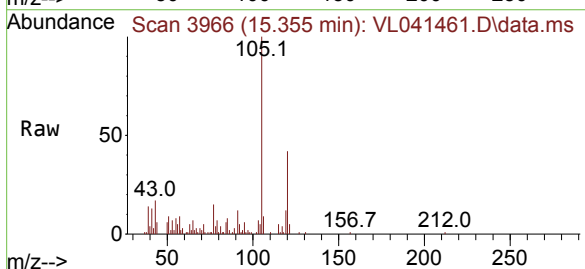
Acq: 31 Jul 2024 13:35

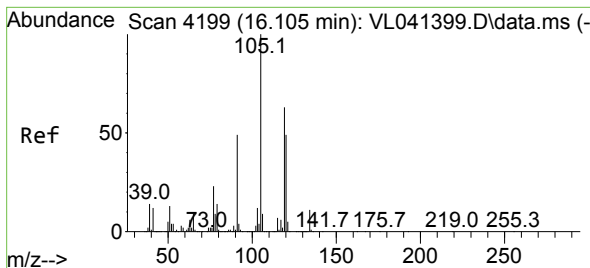
Tgt Ion:105 Resp: 38136

Ion Ratio Lower Upper

105 100

120 40.9 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 0.540 ppbv

RT: 16.114 min Scan# 41

Delta R.T. -0.003 min

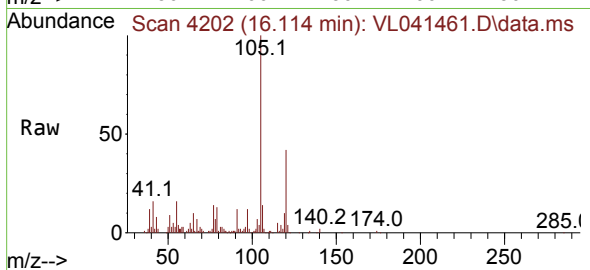
Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 153885

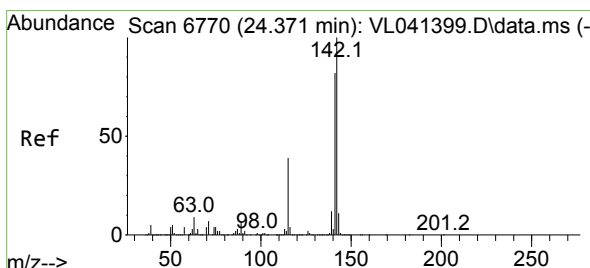
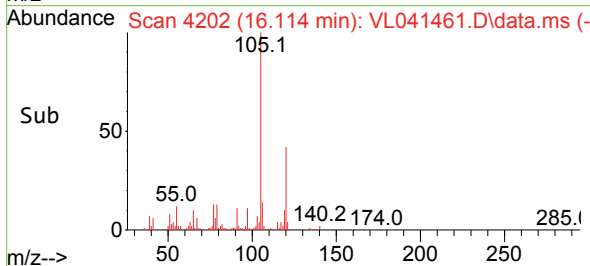
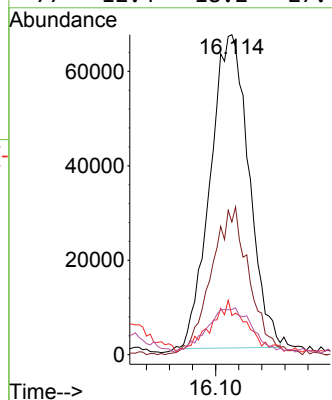
Ion	Ratio	Lower	Upper
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105	100		
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120	41.1	39.5	59.3
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91	10.5	39.8	59.8#
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77	12.4	18.2	27.4#
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#80

Naphthalene,2-methyl-

Concen: 0.045 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.010 min

Lab File: VL041461.D

Acq: 31 Jul 2024 13:35

Tgt Ion:142 Resp: 9585

Ion	Ratio	Lower	Upper
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142	100		
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141	71.7	67.0	100.4
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115	60.8	32.2	48.2#
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