

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041462.D
 Acq On : 31 Jul 2024 14:16
 Operator : SY/MD
 Sample : P3385-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 01 02:43:24 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	5.201	49	1071998	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2786619	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2578178	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2051267	10.339	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.738	85	44942	0.244	ppbv	92
3) Chlorodifluoromethane	2.661	51	1424580	11.163	ppbv #	61
4) Chloromethane	2.822	50	40791	0.601	ppbv	97
9) Propene	2.716	41	55080	0.940	ppbv #	75
10) Heptane	7.584	43	194303	1.475	ppbv	99
11) Trichlorofluoromethane	3.571	101	36251	0.221	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.076	101	6304	0.053	ppbv #	69
13) Ethanol	3.256	45	6717377	1282.018	ppbv	96
15) Acetone	3.472	43	10856724	89.135	ppbv #	87
16) 1,3-Butadiene	2.970	39	13963	0.215	ppbv #	28
17) tert-Butyl alcohol	3.906	59	79888	0.719	ppbv #	94
19) Isopropyl Alcohol	3.594	45	1492244	20.956	ppbv #	1
20) Methylene Chloride	3.941	84	4460450	98.204	ppbv	92
21) Allyl Chloride	3.941	41	177393	2.221	ppbv #	19
23) Vinyl Acetate	4.629	43	55731	0.599	ppbv #	89
25) Ethyl Acetate	5.214	43	2320222	9.589	ppbv #	88
26) Hexane	5.221	57	2132334	21.243	ppbv #	51
27) Carbon Disulfide	4.134	76	10526	0.090	ppbv #	65
29) Chloroform	5.288	83	30368	0.185	ppbv	97
30) Cyclohexane	6.613	84	2734	0.033	ppbv #	1
31) cis-1,2-Dichloroethene	5.086	61	7434	0.075	ppbv #	81
34) 2-Butanone	4.796	43	508862	3.775	ppbv	99
35) Carbon Tetrachloride	6.504	117	4937	0.032	ppbv #	62
36) Benzene	6.375	78	13715	0.067	ppbv #	80
37) 1,2-Dichloroethane	5.822	62	7745	0.068	ppbv #	80
38) Trichloroethene	7.298	130	4414	0.047	ppbv #	66
39) 1,2-Dichloropropane	6.661	63	689039	8.839	ppbv #	25
41) Tetrahydrofuran	5.565	42	10016	0.130	ppbv #	71
43) Methyl Methacrylate	7.481	69	7837	0.107	ppbv #	3
44) 2,2,4-Trimethylpentane	7.340	57	10824	0.032	ppbv #	42
50) 4-Methyl-2-Pentanone	8.192	43	9639	0.045	ppbv #	40
51) 2-Hexanone	9.558	43	9290	0.058	ppbv #	8
52) Tetrachloroethene	10.622	164	463485	5.891	ppbv	97
53) Toluene	9.227	91	3183954	14.038	ppbv	99
58) Ethyl Benzene	12.375	91	18569	0.062	ppbv	90
59) m/p-Xylene	12.375	91	18569	0.072	ppbv #	31
60) o-Xylene	13.066	91	30637	0.126	ppbv #	30
61) Styrene	12.905	104	62114	0.567	ppbv	96
64) n-propylbenzene	14.931	120	3047	0.032	ppbv #	1
66) Benzyl Chloride	16.114	91	18732	0.876	ppbv #	68
69) p-Isopropyltoluene	16.998	119	452867	1.189	ppbv	98
71) 2-Chlorotoluene	14.918	91	25603	0.094	ppbv #	49
72) 4-Ethyltoluene	15.195	105	26770	0.094	ppbv #	5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
Data File : VL041462.D
Acq On : 31 Jul 2024 14:16
Operator : SY/MD
Sample : P3385-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

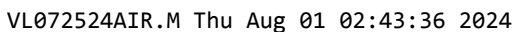
Instrument :
MSVOA_L
ClientSampleId :

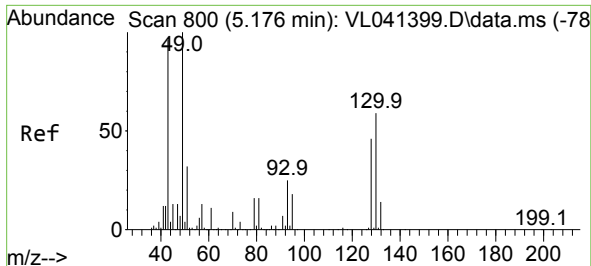
Quant Time: Aug 01 02:43:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Aug 01 02:36:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.362	105	57254	0.233	ppbv	86
74) 1,2,4-Trimethylbenzene	16.111	105	166714	0.583	ppbv #	68
76) 1,4-Dichlorobenzene	16.481	146	7356	0.042	ppbv #	41

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

Quant Time: Aug 01 02:43:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 01 02:36:30 2024
Response via : Initial Calibration

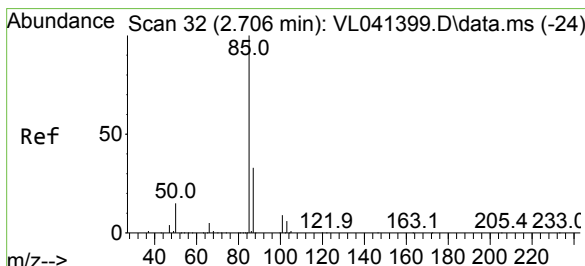
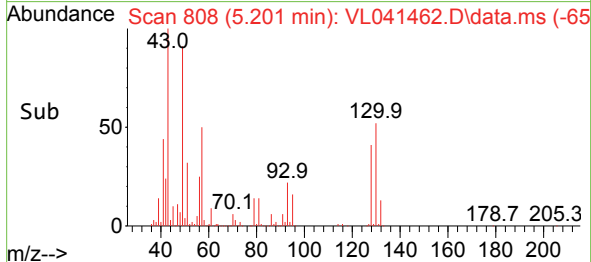
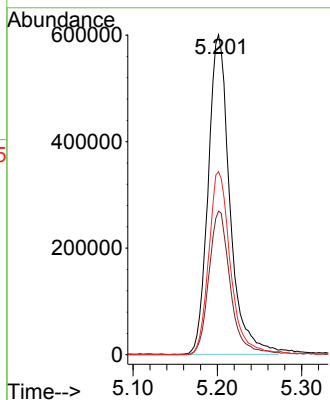
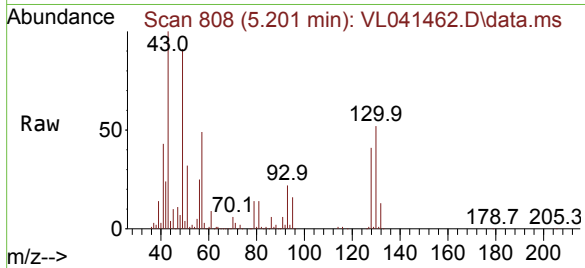




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

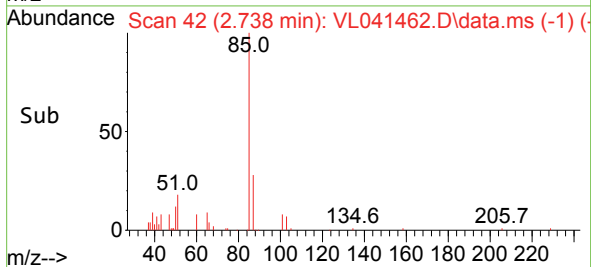
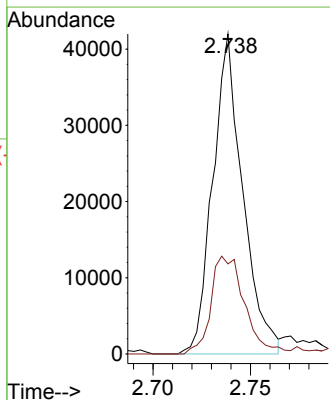
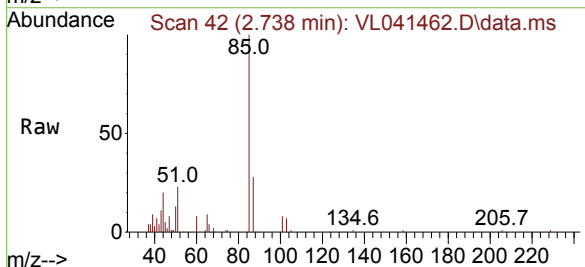
Instrument :
MSVOA_L
ClientSampleId :

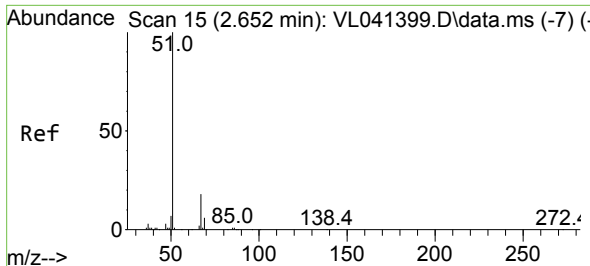
Tgt Ion: 49 Resp: 1071998
Ion Ratio Lower Upper
49 100
128 45.6 23.8 71.4
130 58.4 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.244 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.010 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 85 Resp: 44942
Ion Ratio Lower Upper
85 100
87 28.1 26.0 39.0

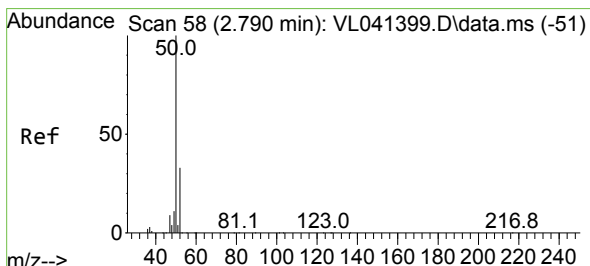
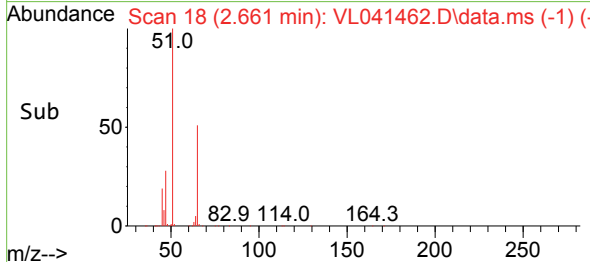
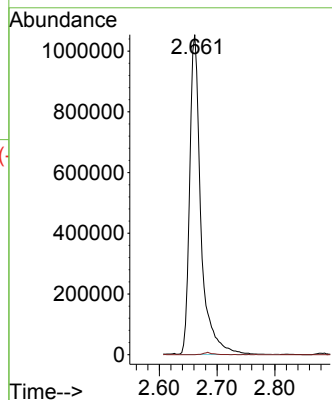
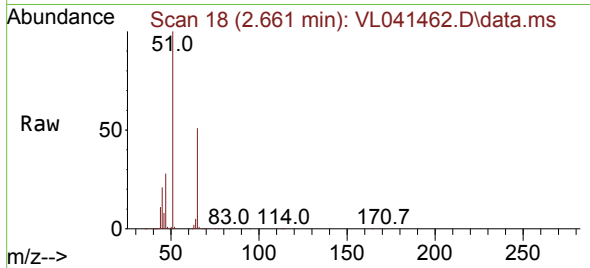




#3
Chlorodifluoromethane
Concen: 11.163 ppbv
RT: 2.661 min Scan# 18
Delta R.T. -0.013 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

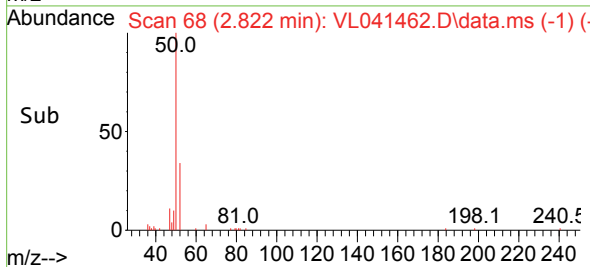
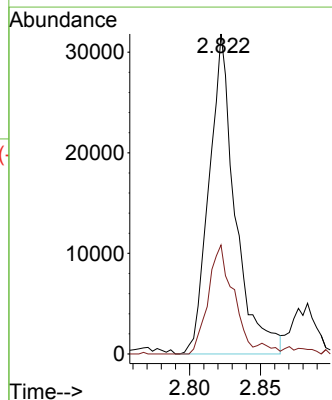
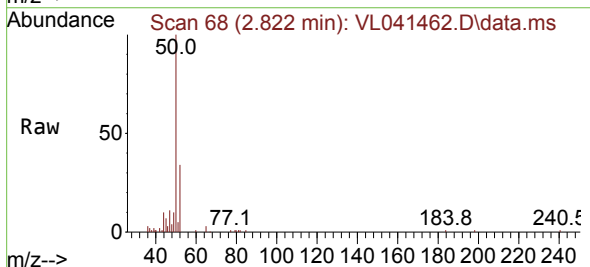
Instrument :
MSVOA_L
ClientSampleId :

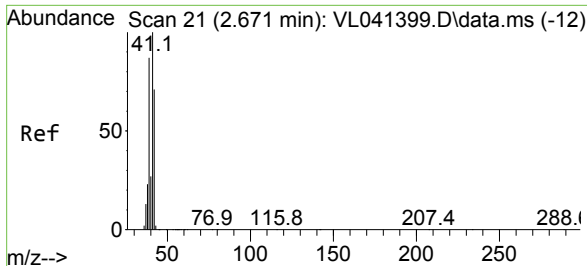
Tgt Ion: 51 Resp: 1424580
Ion Ratio Lower Upper
51 100
67 0.7 14.5 21.7#



#4
Chloromethane
Concen: 0.601 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 50 Resp: 40791
Ion Ratio Lower Upper
50 100
52 34.1 26.1 39.1

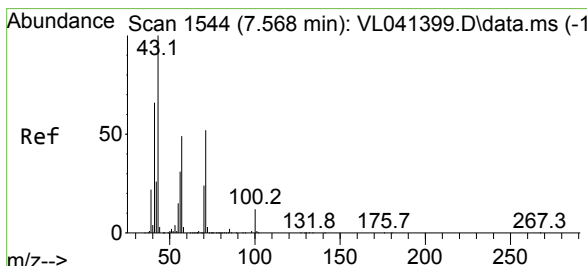
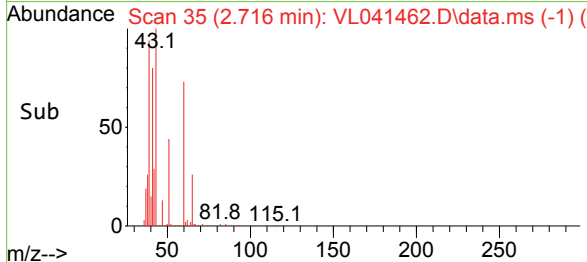
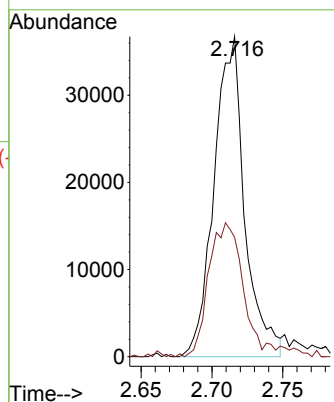
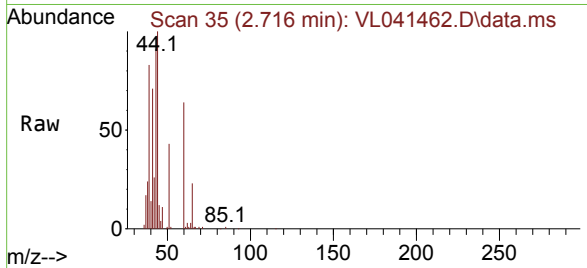




#9
 Propene
 Concen: 0.940 ppbv
 RT: 2.716 min Scan# 31
 Delta R.T. 0.022 min
 Lab File: VL041462.D
 Acq: 31 Jul 2024 14:16

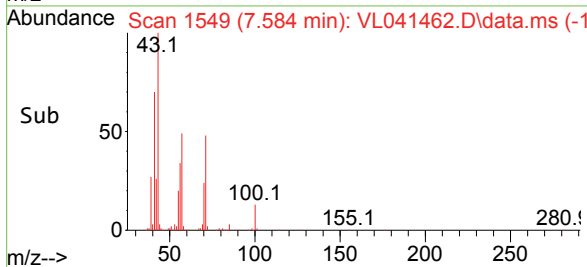
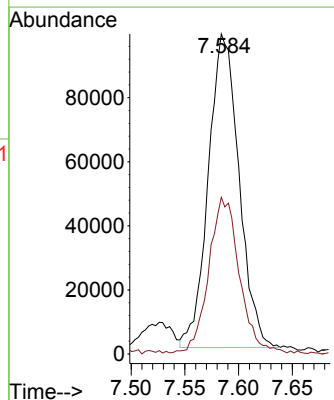
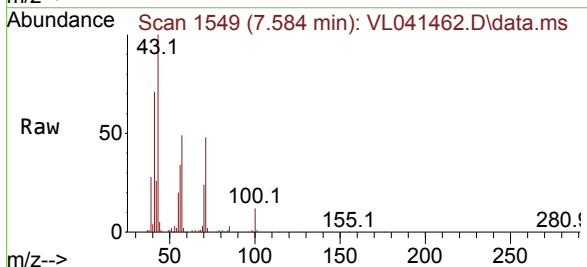
Instrument :
 MSVOA_L
 ClientSampleId :

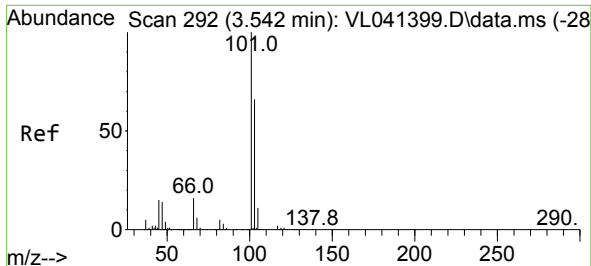
Tgt Ion: 41 Resp: 55080
 Ion Ratio Lower Upper
 41 100
 42 49.2 55.9 83.9#



#10
 Heptane
 Concen: 1.475 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.000 min
 Lab File: VL041462.D
 Acq: 31 Jul 2024 14:16

Tgt Ion: 43 Resp: 194303
 Ion Ratio Lower Upper
 43 100
 57 50.0 40.5 60.7

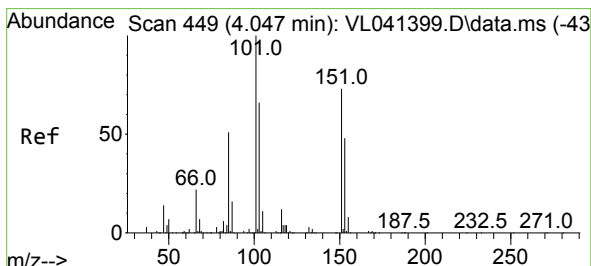
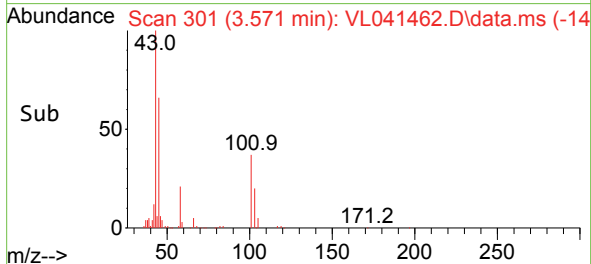
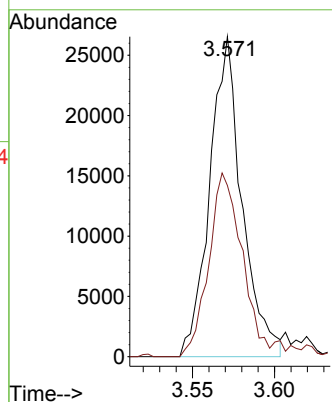
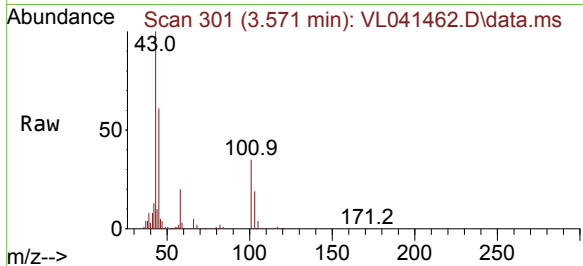




#11
 Trichlorofluoromethane
 Concen: 0.221 ppbv
 RT: 3.571 min Scan# 301
 Delta R.T. 0.006 min
 Lab File: VL041462.D
 Acq: 31 Jul 2024 14:16

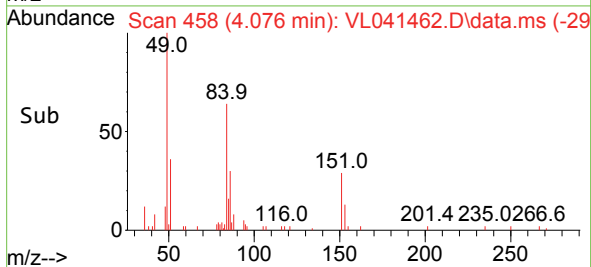
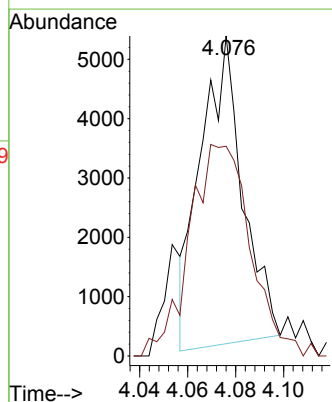
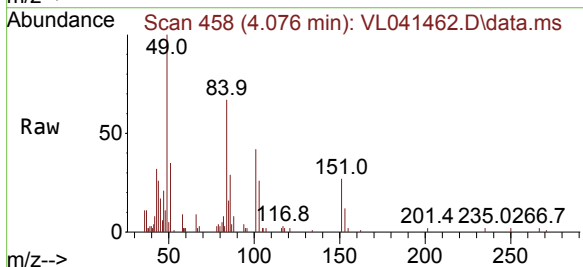
Instrument :
 MSVOA_L
 ClientSampleId :

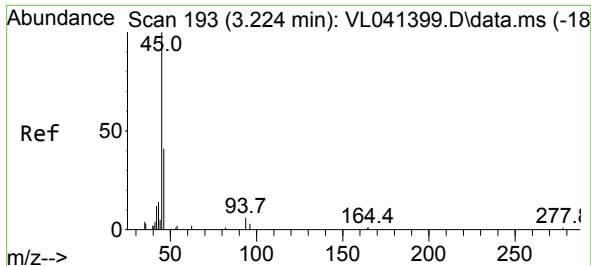
Tgt Ion:101 Resp: 36251
 Ion Ratio Lower Upper
 101 100
 103 53.5 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.053 ppbv
 RT: 4.076 min Scan# 458
 Delta R.T. 0.010 min
 Lab File: VL041462.D
 Acq: 31 Jul 2024 14:16

Tgt Ion:101 Resp: 6304
 Ion Ratio Lower Upper
 101 100
 151 100.7 59.4 89.2#

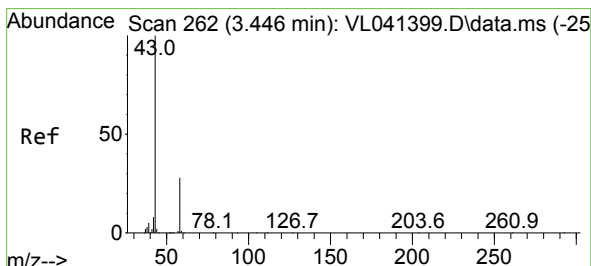
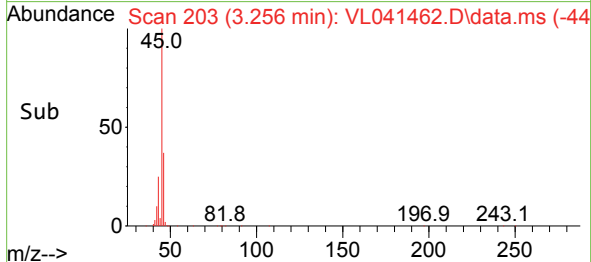
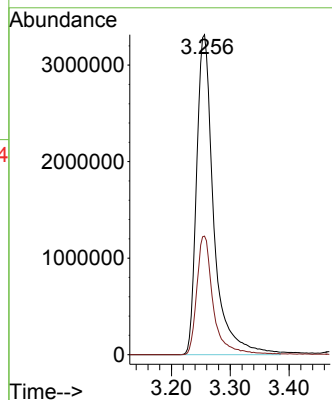
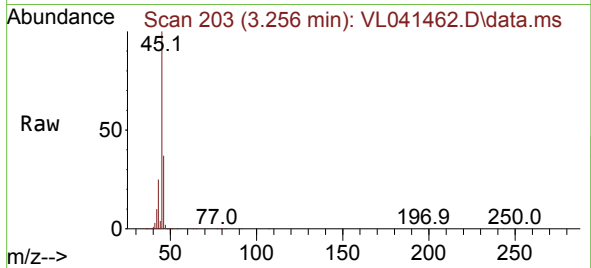




#13
Ethanol
Concen: 1282.018 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.010 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

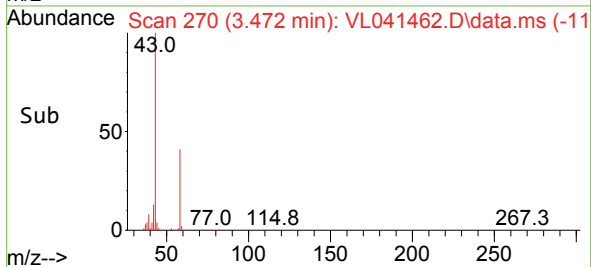
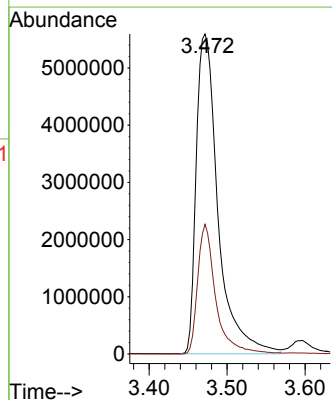
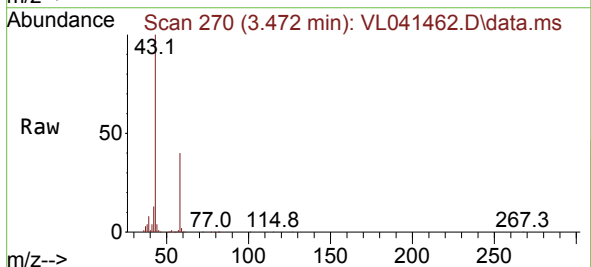
Instrument :
MSVOA_L
ClientSampleId :

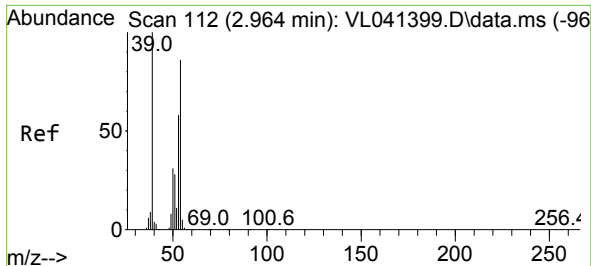
Tgt Ion: 45 Resp: 6717377
Ion Ratio Lower Upper
45 100
46 35.8 13.4 53.4



#15
Acetone
Concen: 89.135 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.003 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 43 Resp: 10856724
Ion Ratio Lower Upper
43 100
58 33.7 21.4 32.2#

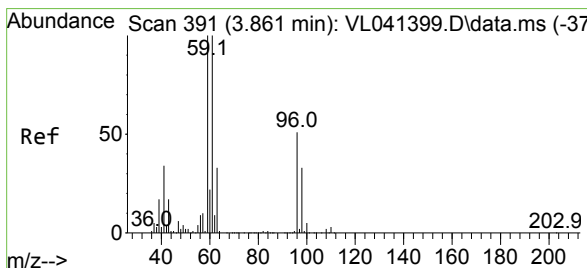
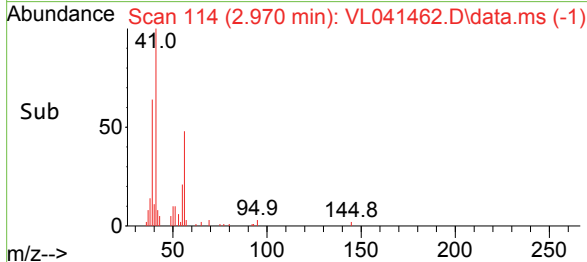
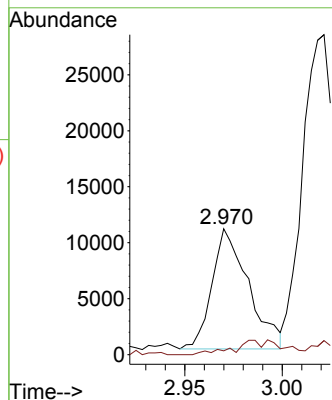
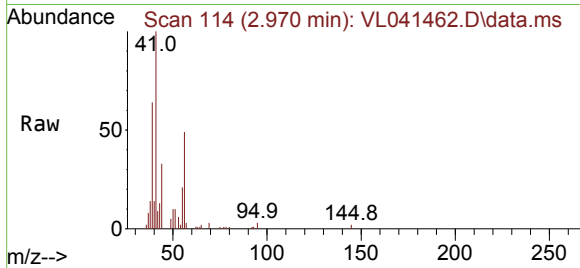




#16
1,3-Butadiene
Concen: 0.215 ppbv
RT: 2.970 min Scan# 112
Delta R.T. -0.016 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

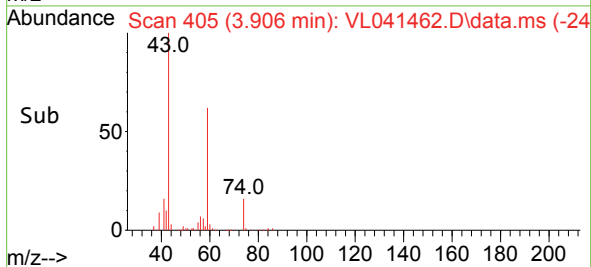
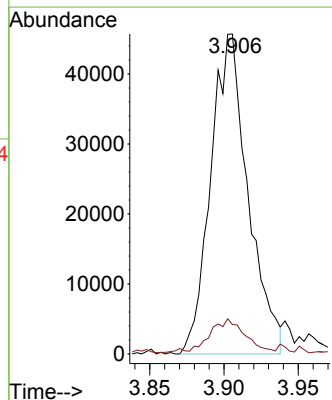
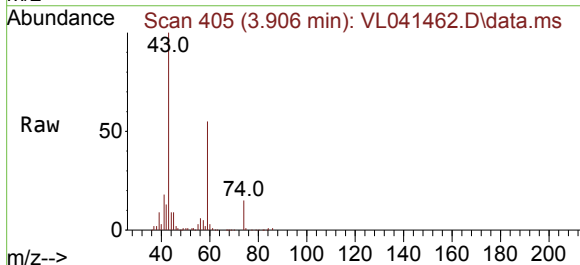
Instrument :
MSVOA_L
ClientSampleId :

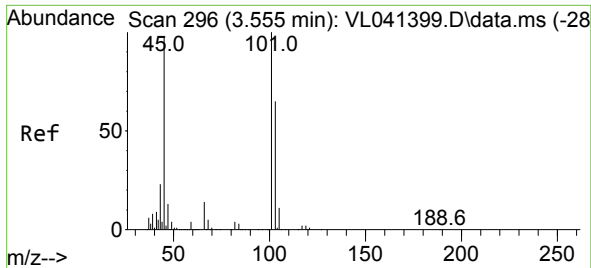
Tgt Ion: 39 Resp: 13963
Ion Ratio Lower Upper
39 100
54 15.8 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.719 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.029 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 59 Resp: 79888
Ion Ratio Lower Upper
59 100
57 12.9 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 20.956 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.019 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

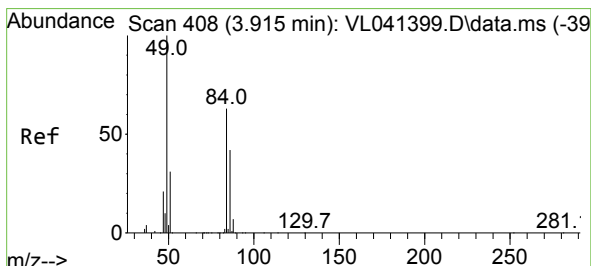
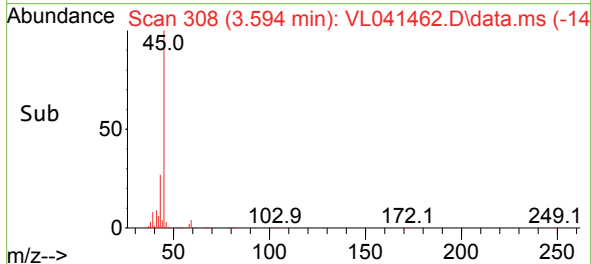
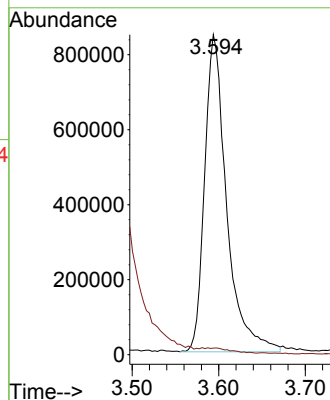
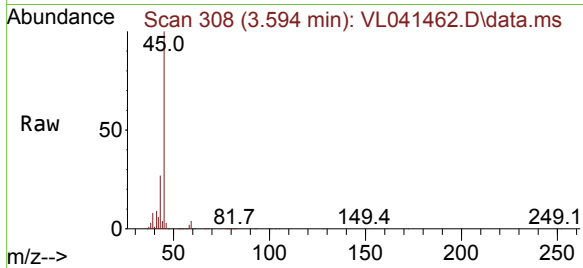
ClientSampleId :

Tgt Ion: 45 Resp: 1492244

Ion Ratio Lower Upper

45 100

58 245.2 1.9 2.9#



#20

Methylene Chloride

Concen: 98.204 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.006 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Tgt Ion: 84 Resp: 4460450

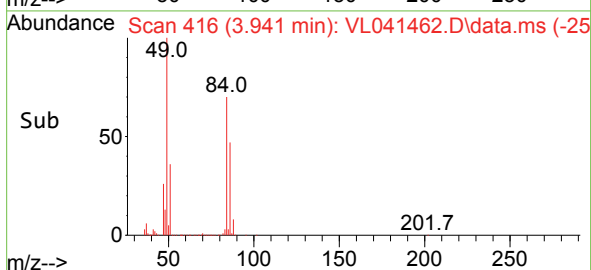
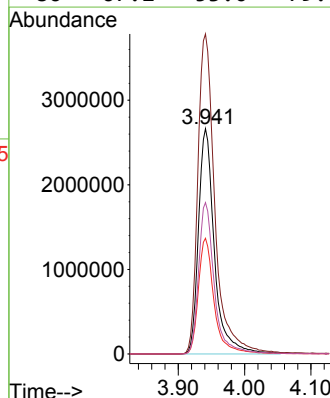
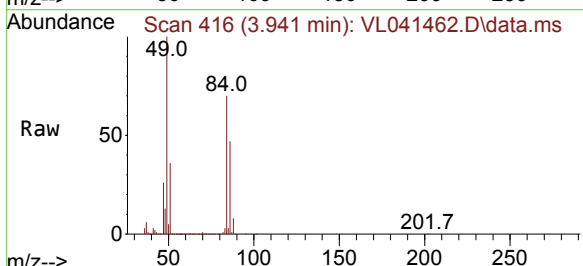
Ion Ratio Lower Upper

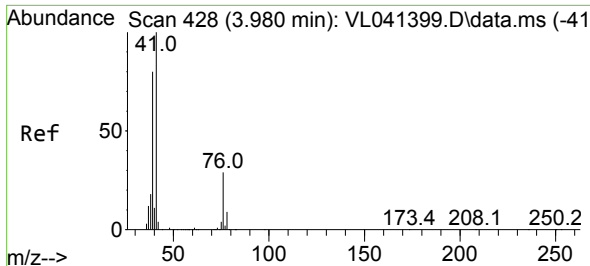
84 100

49 142.1 126.6 190.0

51 51.4 38.6 58.0

86 67.2 53.0 79.4

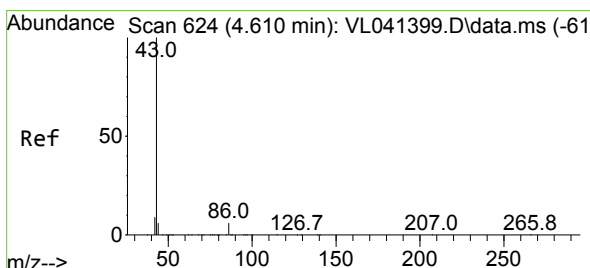
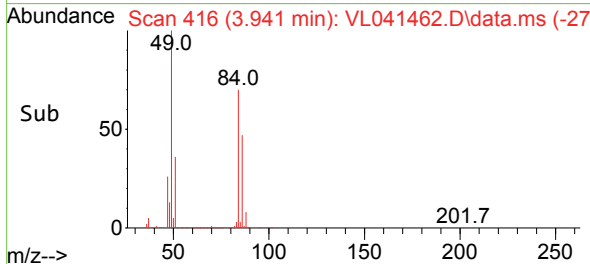
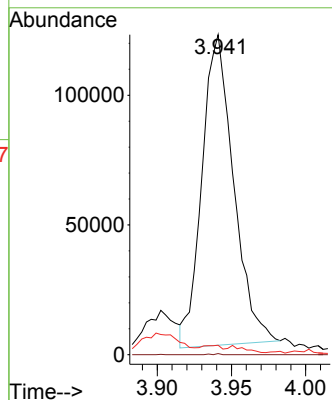
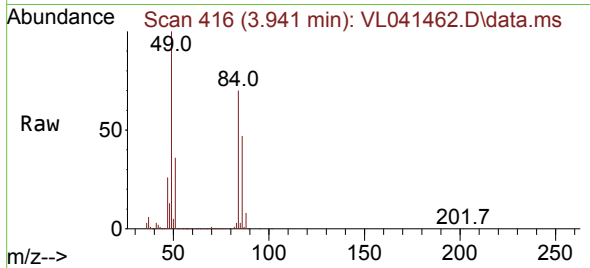




#21
 Allyl Chloride
 Concen: 2.221 ppbv
 RT: 3.941 min Scan# 41
 Delta R.T. -0.055 min
 Lab File: VL041462.D
 Acq: 31 Jul 2024 14:16

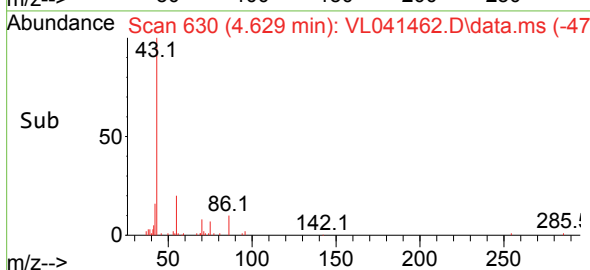
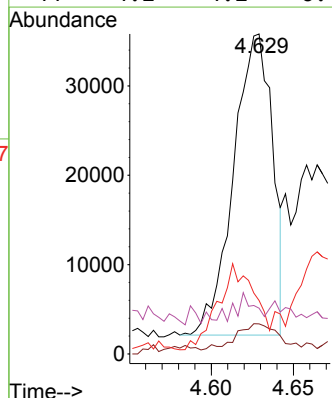
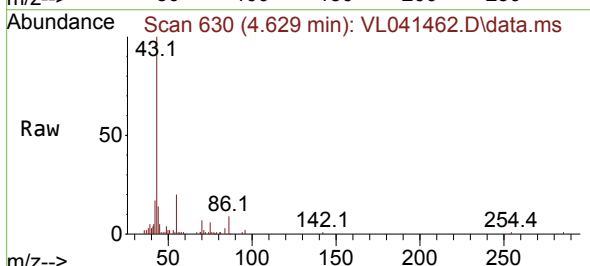
Instrument :
 MSVOA_L
 ClientSampleId :

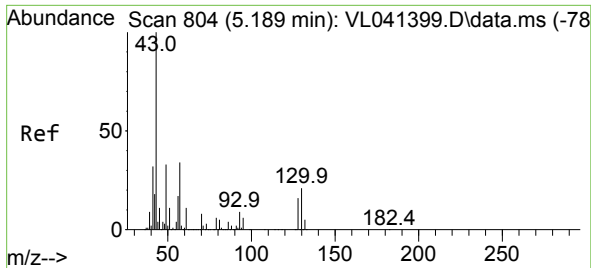
Tgt Ion: 41 Resp: 177393
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.7 35.5#
 39 0.0 64.3 96.5#



#23
 Vinyl Acetate
 Concen: 0.599 ppbv
 RT: 4.629 min Scan# 630
 Delta R.T. -0.000 min
 Lab File: VL041462.D
 Acq: 31 Jul 2024 14:16

Tgt Ion: 43 Resp: 55731
 Ion Ratio Lower Upper
 43 100
 86 8.5 4.6 6.8#
 42 16.4 7.9 11.9#
 44 4.2 4.2 6.4#

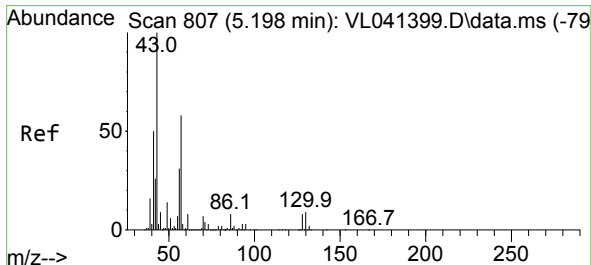
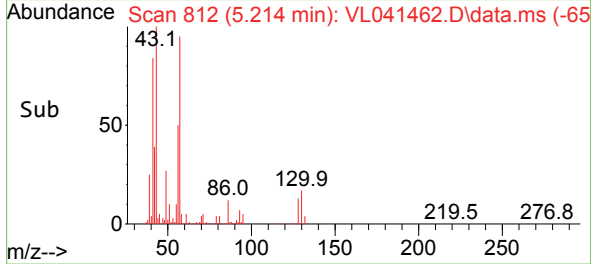
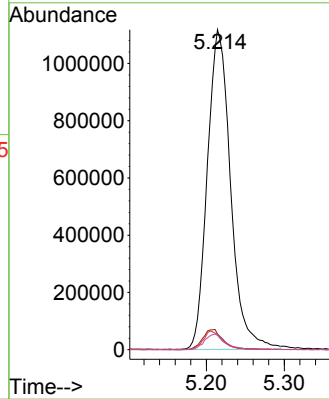
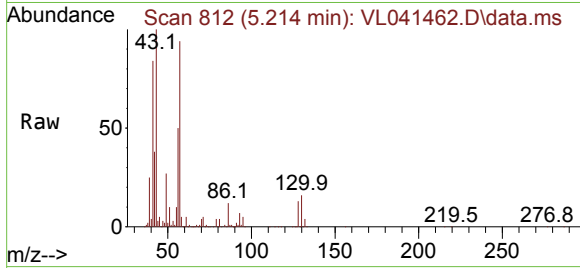




#25
Ethyl Acetate
Concen: 9.589 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.010 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

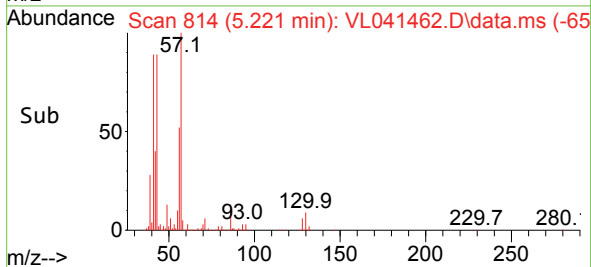
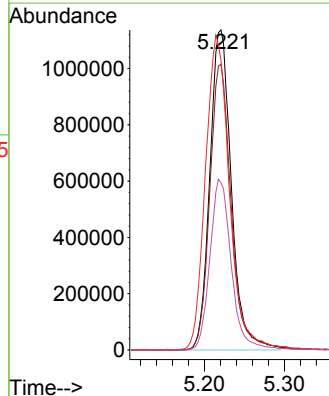
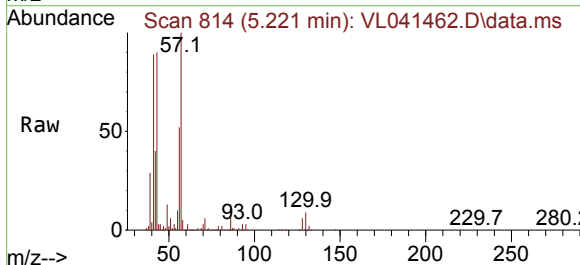
Instrument :
MSVOA_L
ClientSampleId :

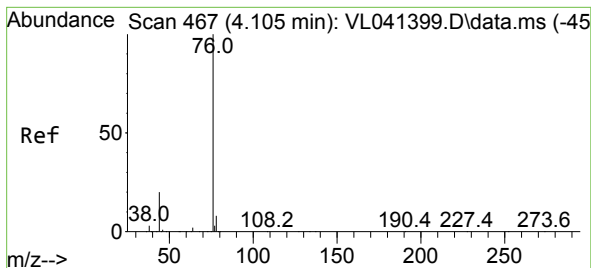
Tgt Ion: 43 Resp: 2320222
Ion Ratio Lower Upper
43 100
45 5.7 8.5 12.7#
61 5.0 8.0 12.0#
70 4.5 5.9 8.9#



#26
Hexane
Concen: 21.243 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 57 Resp: 2132334
Ion Ratio Lower Upper
57 100
41 89.6 74.0 111.0
43 109.6 193.6 290.4#
56 53.1 43.1 64.7





#27

Carbon Disulfide

Concen: 0.090 ppbv

RT: 4.134 min Scan# 41

Delta R.T. 0.010 min

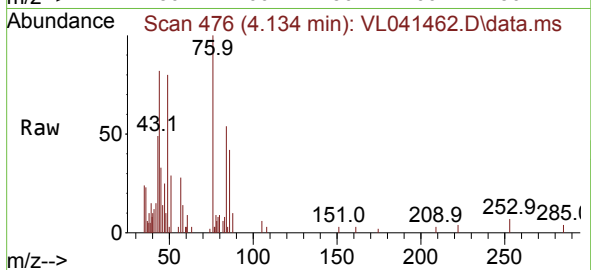
Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :



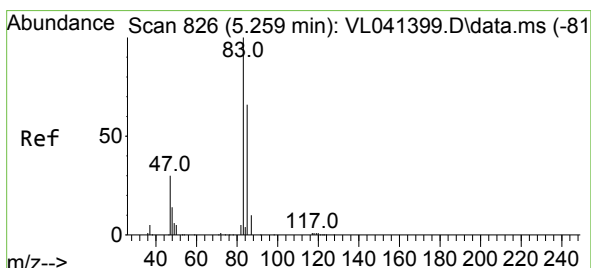
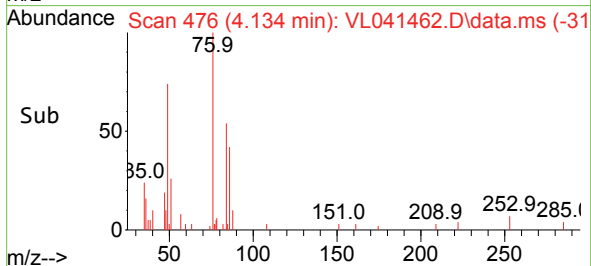
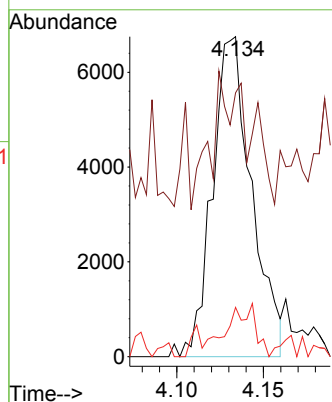
Tgt Ion: 76 Resp: 10526

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

76	100		
----	-----	--	--

44	36.8	15.6	23.4#
----	------	------	-------

78	19.9	7.7	11.5#
----	------	-----	-------



#29

Chloroform

Concen: 0.185 ppbv

RT: 5.288 min Scan# 835

Delta R.T. 0.013 min

Lab File: VL041462.D

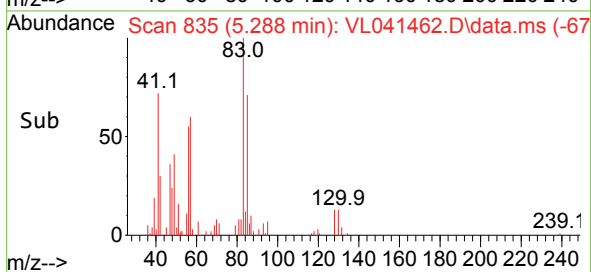
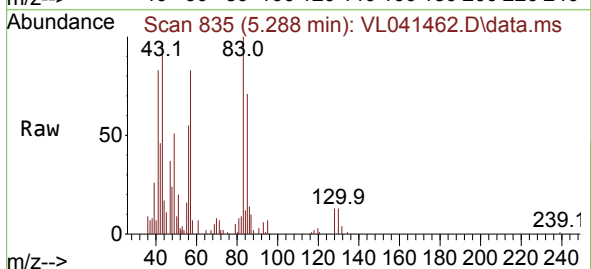
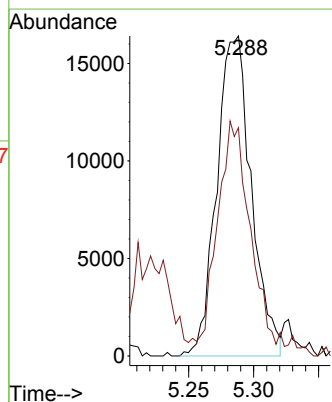
Acq: 31 Jul 2024 14:16

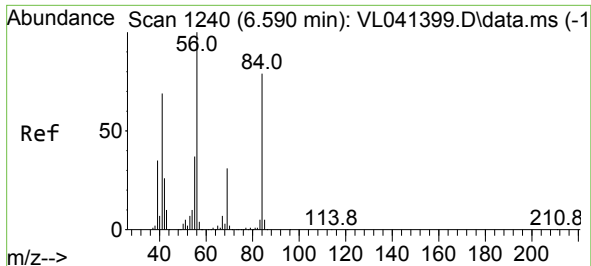
Tgt Ion: 83 Resp: 30368

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

83	100		
----	-----	--	--

85	64.0	53.1	79.7
----	------	------	------

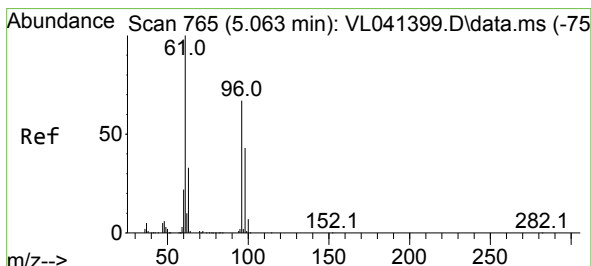
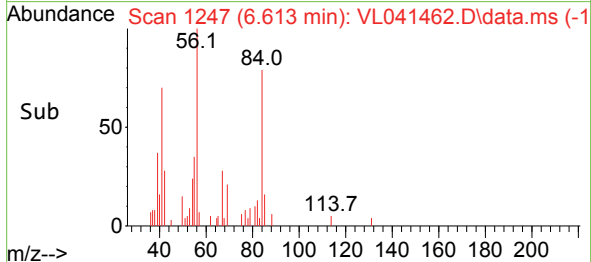
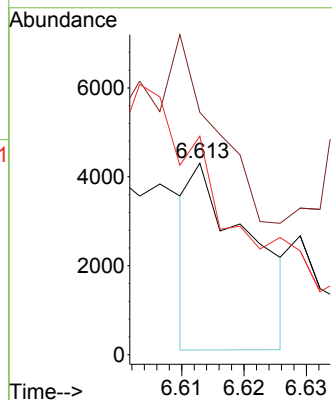
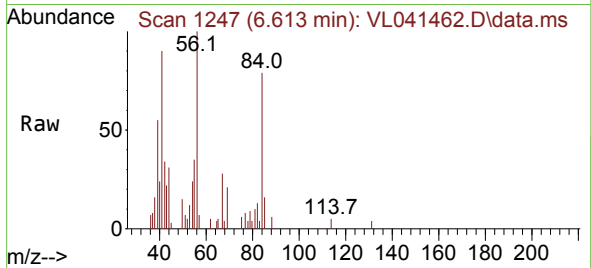




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 6.613 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

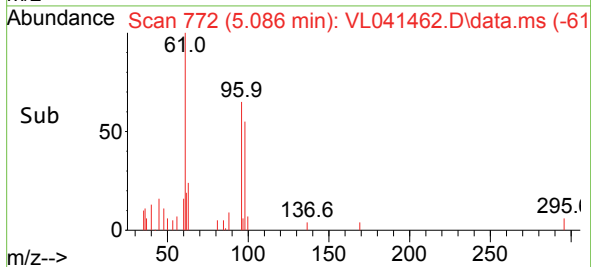
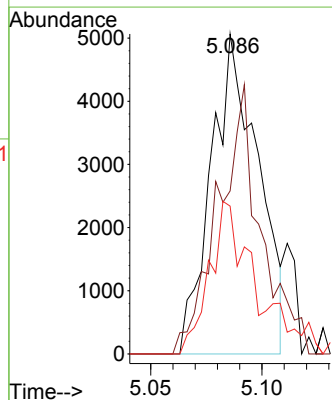
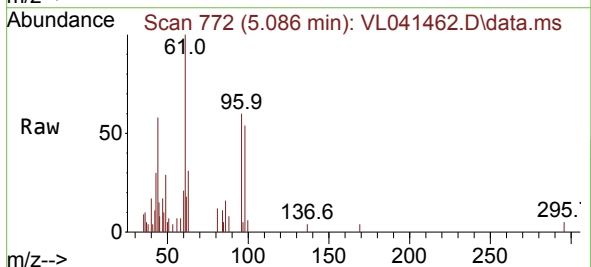
Instrument :
MSVOA_L
ClientSampleId :

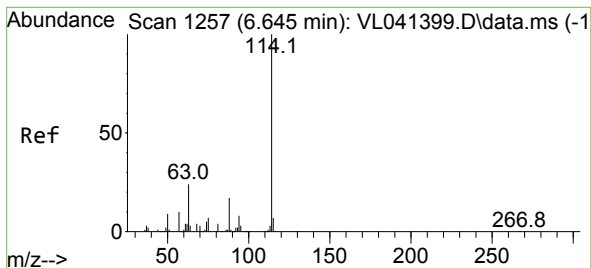
Tgt Ion: 84 Resp: 2734
Ion Ratio Lower Upper
84 100
56 434.7 111.2 166.8#
41 0.0 70.3 105.5#



#31
cis-1,2-Dichloroethene
Concen: 0.075 ppbv
RT: 5.086 min Scan# 772
Delta R.T. 0.003 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 61 Resp: 7434
Ion Ratio Lower Upper
61 100
96 44.3 53.4 80.2#
98 46.2 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: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :

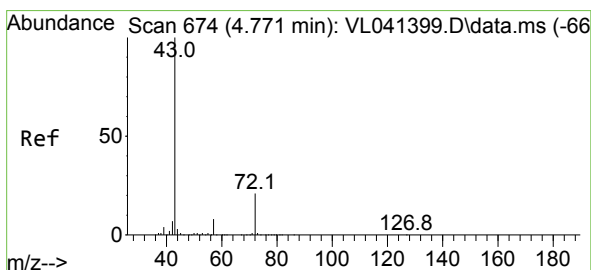
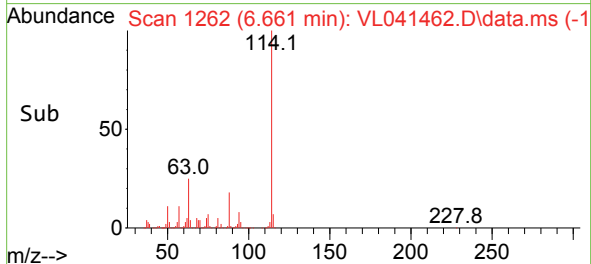
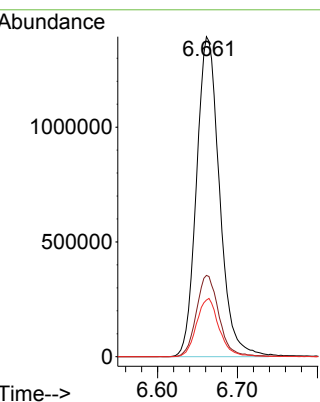
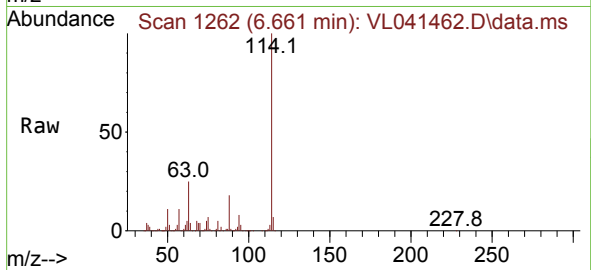
Tgt Ion:114 Resp: 2786619

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 3.775 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.010 min

Lab File: VL041462.D

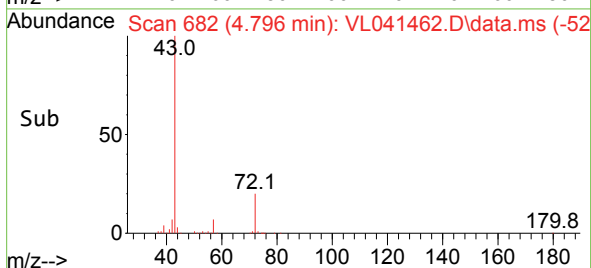
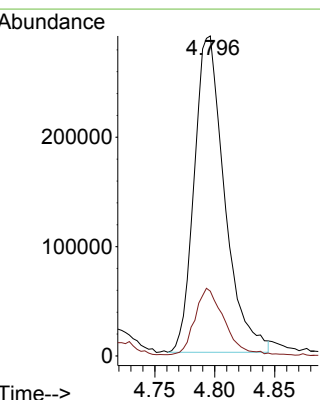
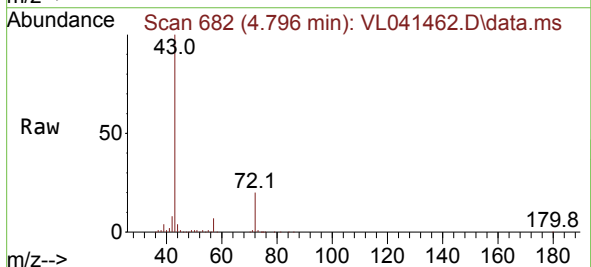
Acq: 31 Jul 2024 14:16

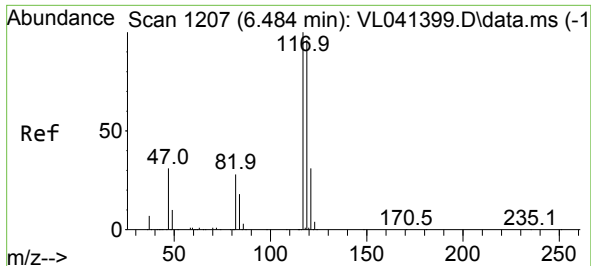
Tgt Ion: 43 Resp: 508862

Ion Ratio Lower Upper

43 100

72 22.2 17.3 25.9

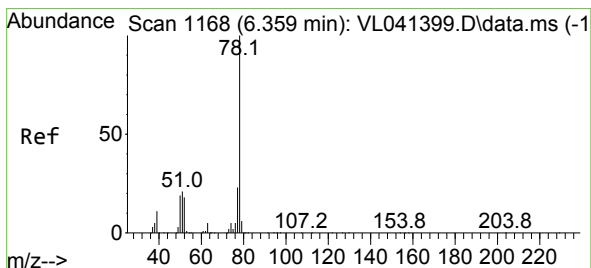
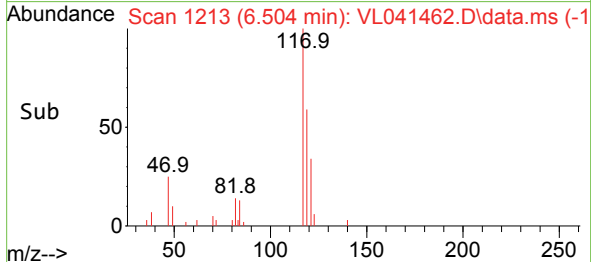
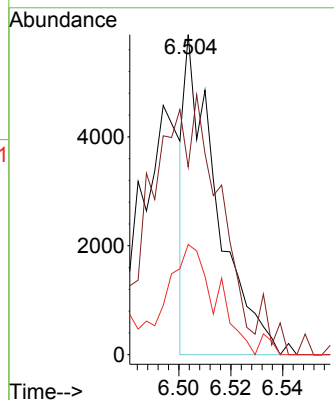
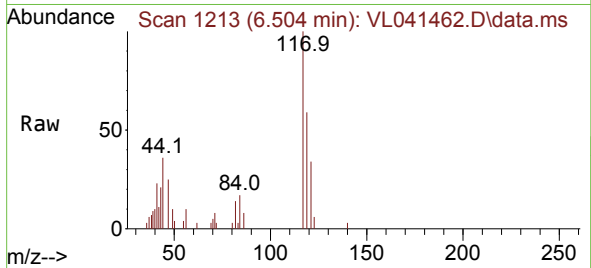




#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 6.504 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

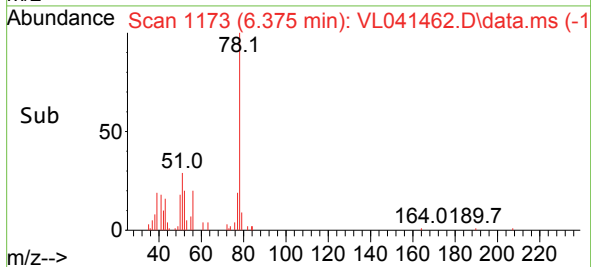
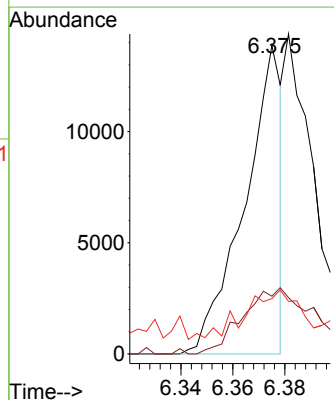
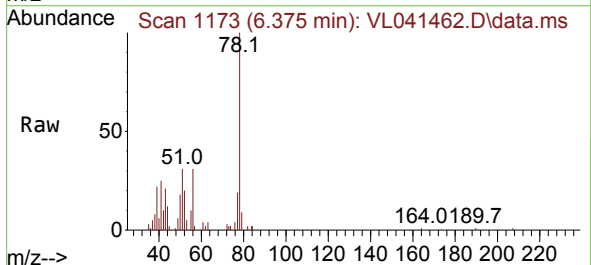
Instrument :
MSVOA_L
ClientSampleId :

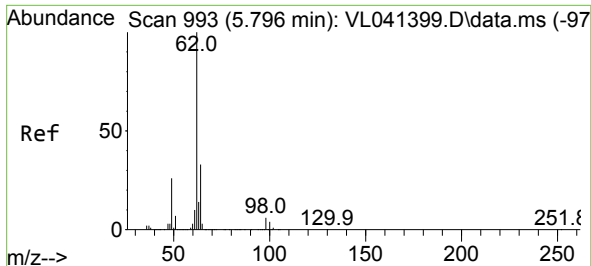
Tgt Ion:117 Resp: 4937
Ion Ratio Lower Upper
117 100
119 48.7 76.6 115.0#
121 34.4 25.1 37.7



#36
Benzene
Concen: 0.067 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 78 Resp: 13715
Ion Ratio Lower Upper
78 100
77 17.0 18.1 27.1#
50 5.6 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 0.068 ppbv

RT: 5.822 min Scan# 1001

Delta R.T. 0.013 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

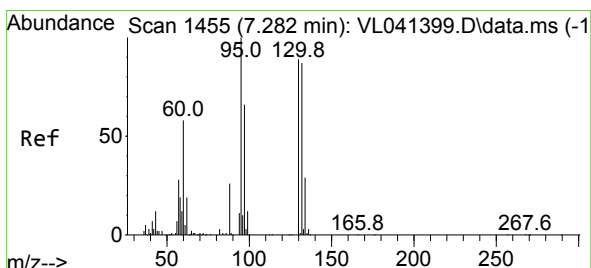
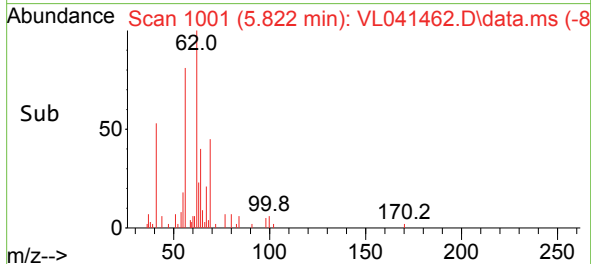
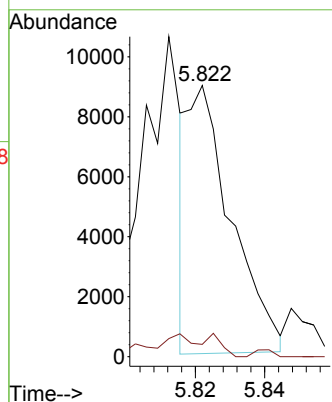
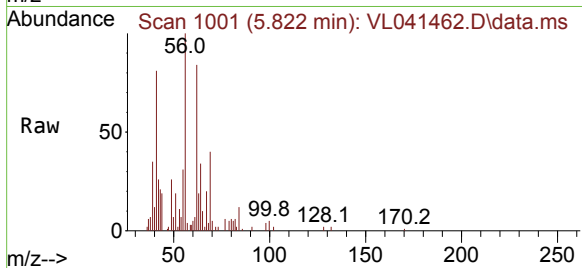
ClientSampleId :

Tgt Ion: 62 Resp: 7745

Ion Ratio Lower Upper

62 100

98 13.1 5.0 7.4#



#38

Trichloroethene

Concen: 0.047 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Tgt Ion:130 Resp: 4414

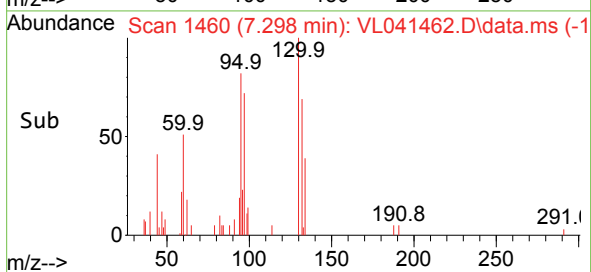
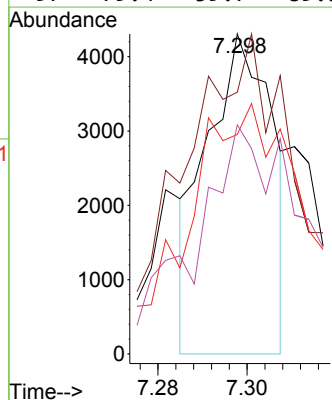
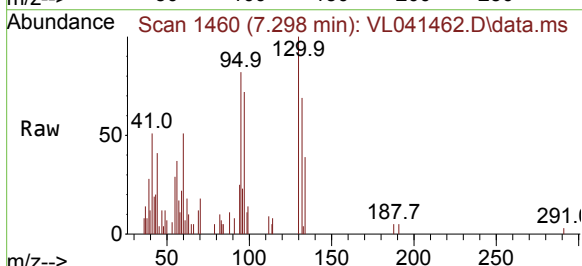
Ion Ratio Lower Upper

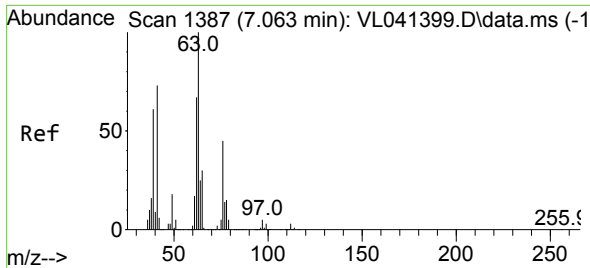
130 100

95 40.2 90.2 135.2#

132 81.0 78.1 117.1

97 79.4 59.7 89.5





#39

1,2-Dichloropropane

Concen: 8.839 ppbv

RT: 6.661 min Scan# 1

Delta R.T. -0.415 min

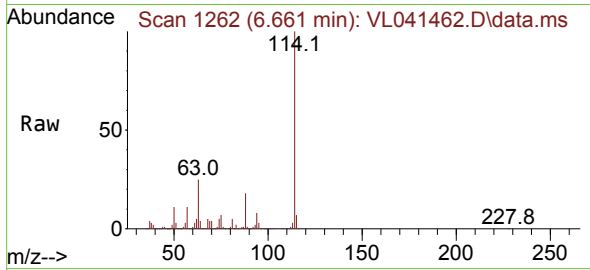
Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :



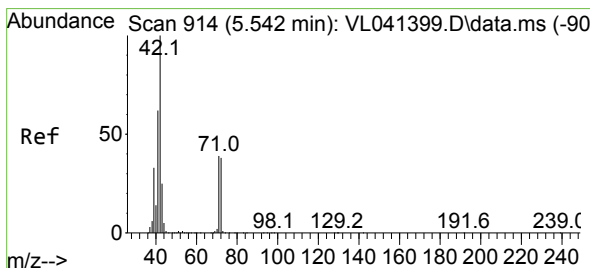
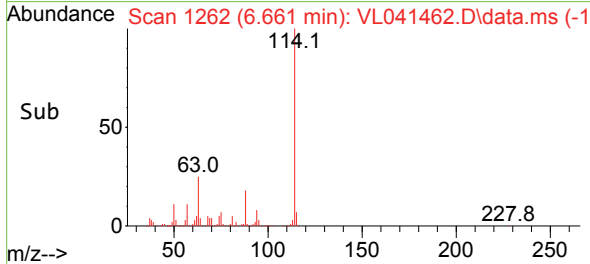
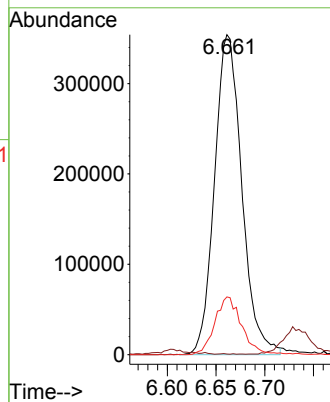
Tgt Ion: 63 Resp: 689039

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.0 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.130 ppbv

RT: 5.565 min Scan# 921

Delta R.T. 0.006 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

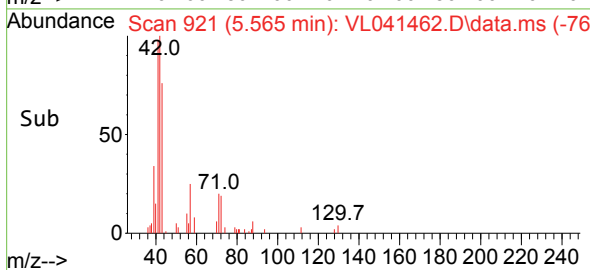
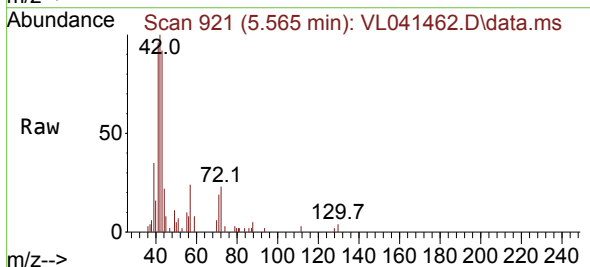
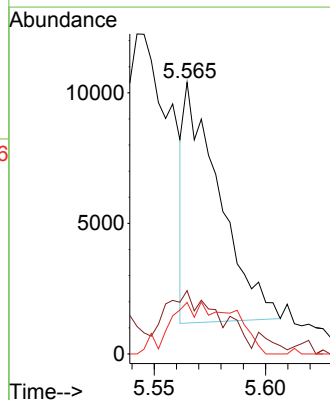
Tgt Ion: 42 Resp: 10016

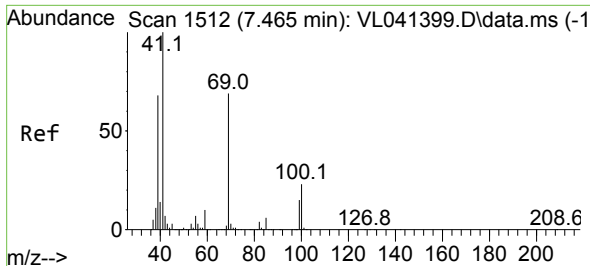
Ion Ratio Lower Upper

42 100

72 72.3 31.2 46.8#

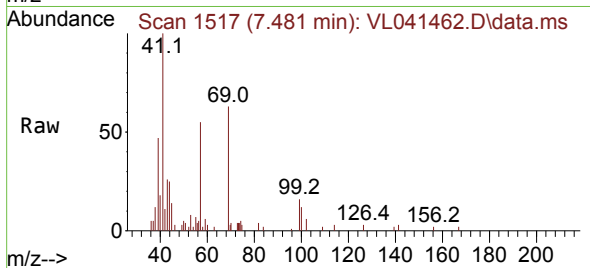
71 39.7 30.5 45.7



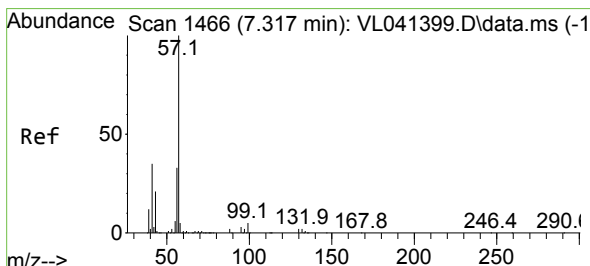
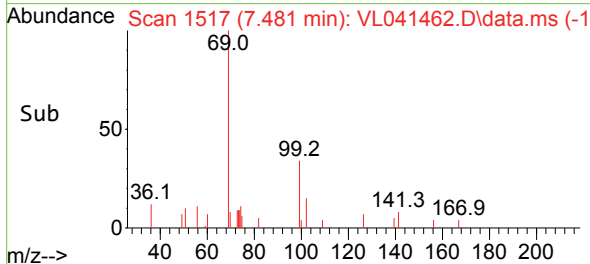
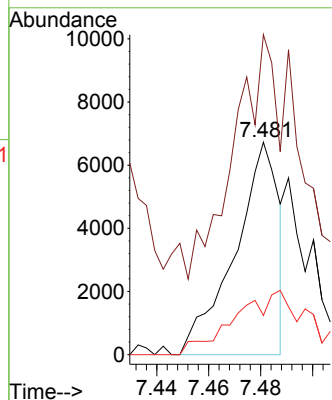


#43
Methyl Methacrylate
Concen: 0.107 ppbv
RT: 7.481 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Instrument :
MSVOA_L
ClientSampleId :

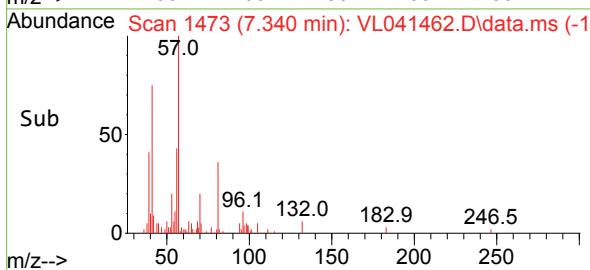
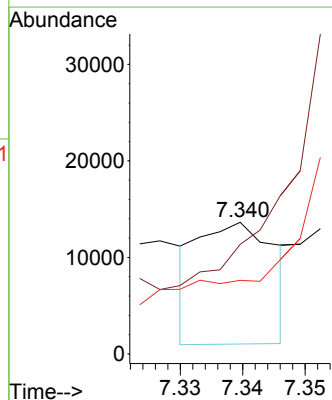
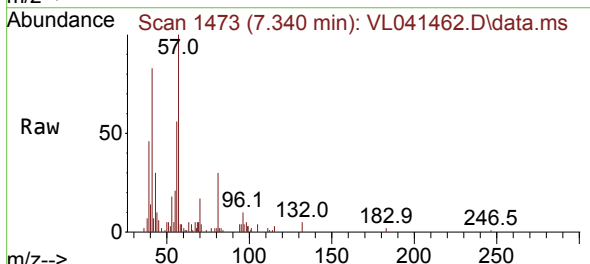


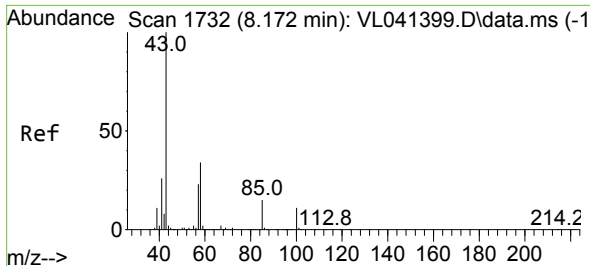
Tgt Ion: 69 Resp: 7837
Ion Ratio Lower Upper
69 100
41 282.0 118.7 178.1#
100 0.0 27.0 40.4#



#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 57 Resp: 10824
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.6#
56 0.0 25.2 37.8#

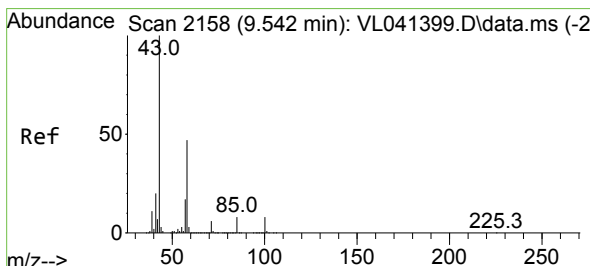
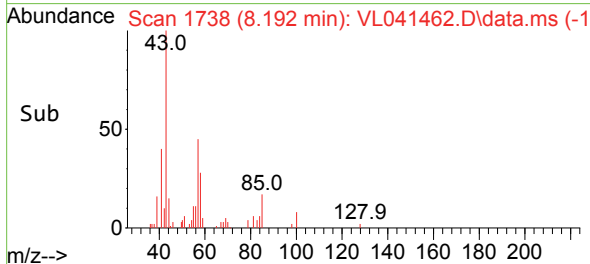
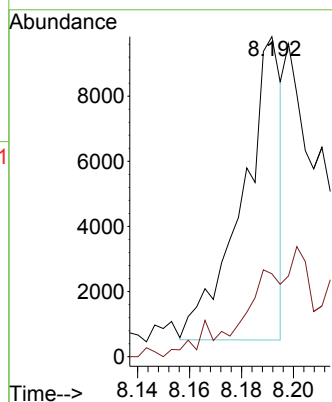
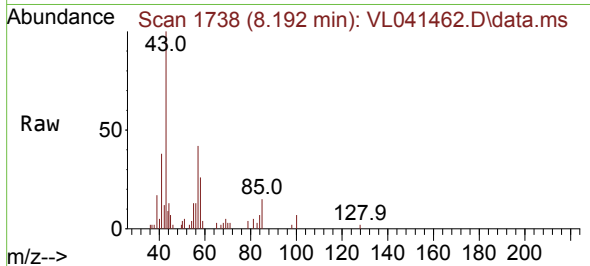




#50
4-Methyl-2-Pentanone
Concen: 0.045 ppbv
RT: 8.192 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

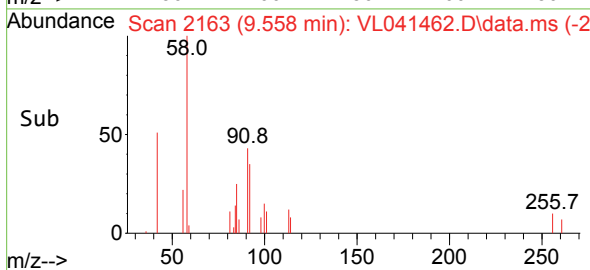
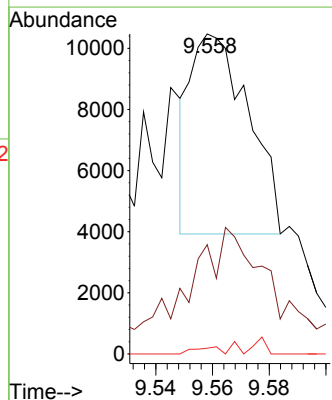
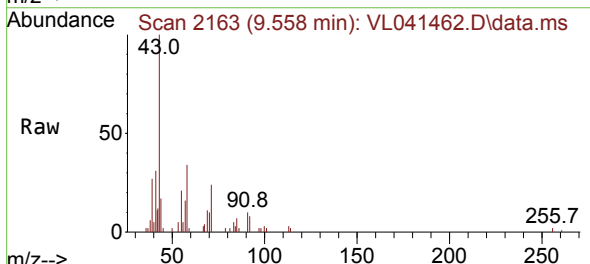
Instrument :
MSVOA_L
ClientSampleId :

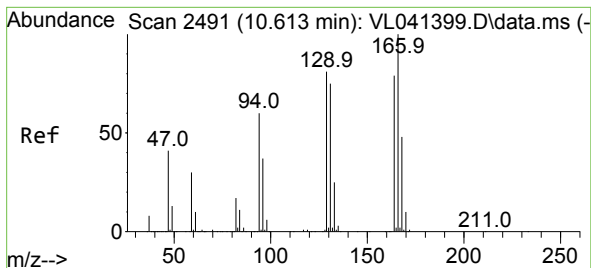
Tgt Ion: 43 Resp: 9639
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#51
2-Hexanone
Concen: 0.058 ppbv
RT: 9.558 min Scan# 2163
Delta R.T. 0.006 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 43 Resp: 9290
Ion Ratio Lower Upper
43 100
58 110.0 38.2 57.2#
98 4.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 5.891 ppbv

RT: 10.622 min Scan# 2494

Delta R.T. 0.000 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:164 Resp: 463485

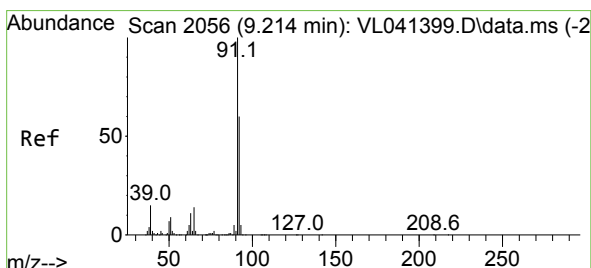
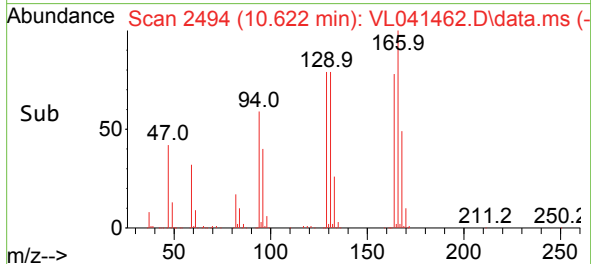
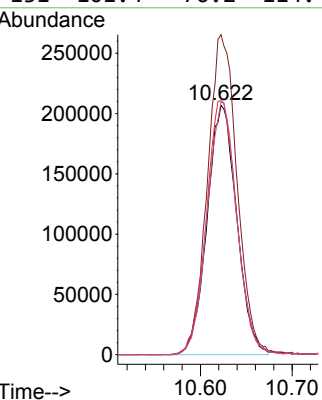
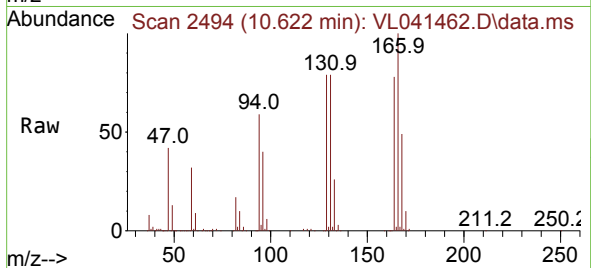
Ion Ratio Lower Upper

164 100

166 128.4 101.1 151.7

129 101.9 81.7 122.5

131 101.4 76.2 114.4



#53

Toluene

Concen: 14.038 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VL041462.D

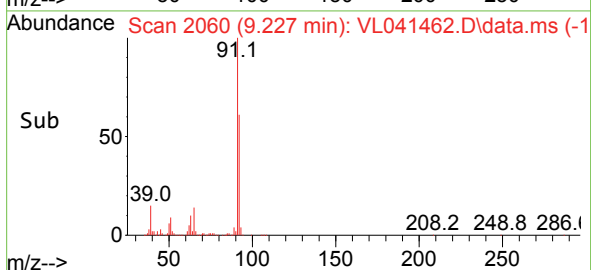
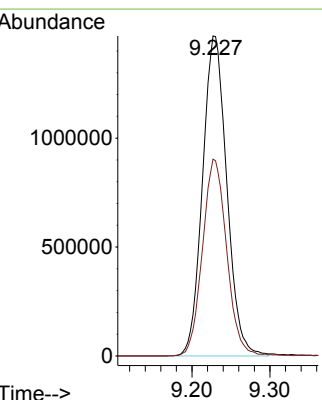
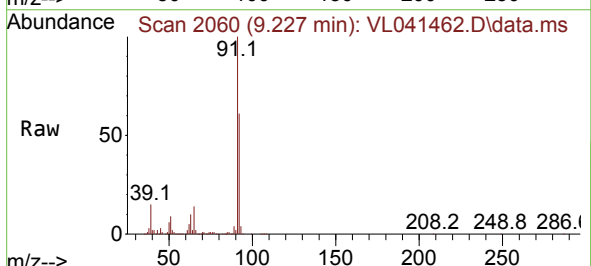
Acq: 31 Jul 2024 14:16

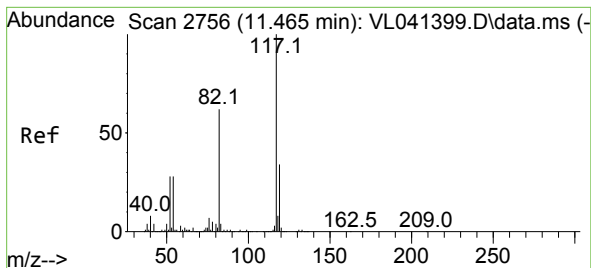
Tgt Ion: 91 Resp: 3183954

Ion Ratio Lower Upper

91 100

92 61.6 48.7 73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :

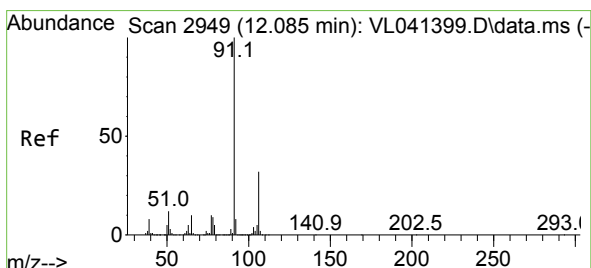
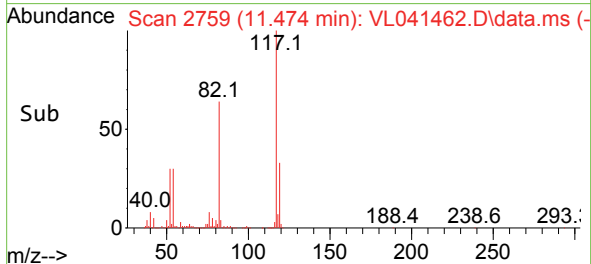
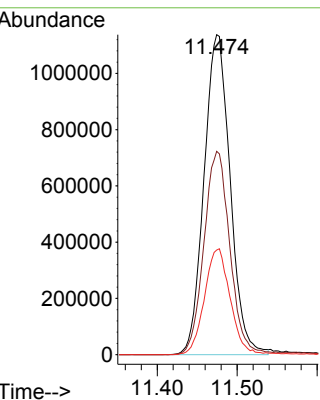
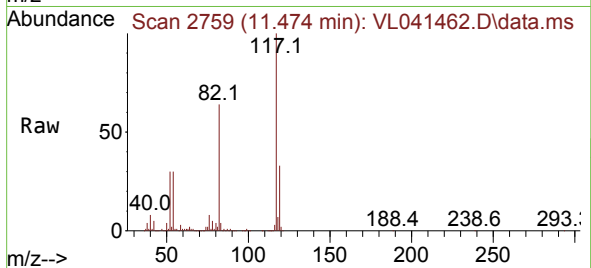
Tgt Ion:117 Resp: 2578178

Ion Ratio Lower Upper

117 100

82 63.3 51.0 76.6

119 33.2 45.2 67.8#



#58

Ethyl Benzene

Concen: 0.062 ppbv

RT: 12.375 min Scan# 3039

Delta R.T. 0.277 min

Lab File: VL041462.D

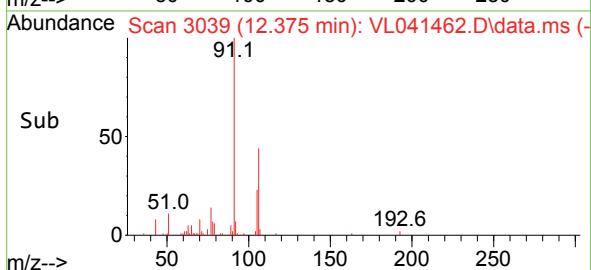
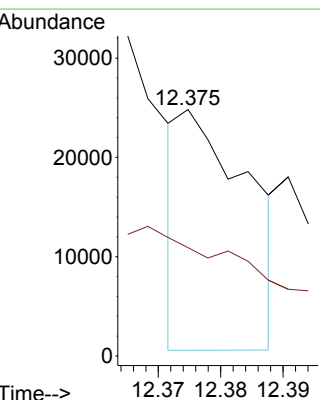
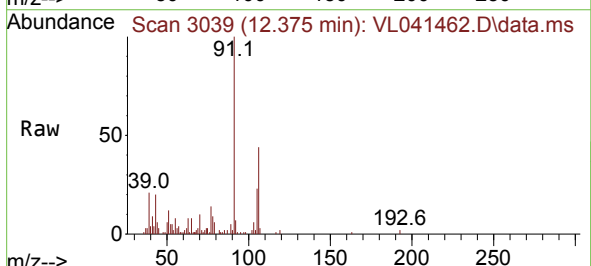
Acq: 31 Jul 2024 14:16

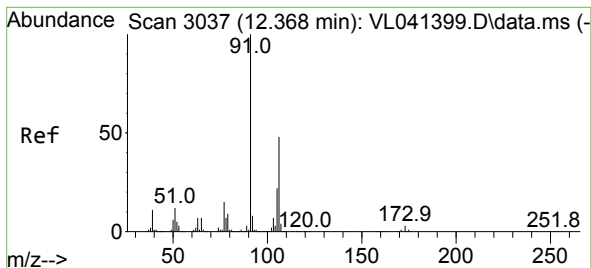
Tgt Ion: 91 Resp: 18569

Ion Ratio Lower Upper

91 100

106 38.0 25.8 38.8





#59

m/p-Xylene

Concen: 0.072 ppbv

RT: 12.375 min Scan# 3039

Delta R.T. -0.003 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

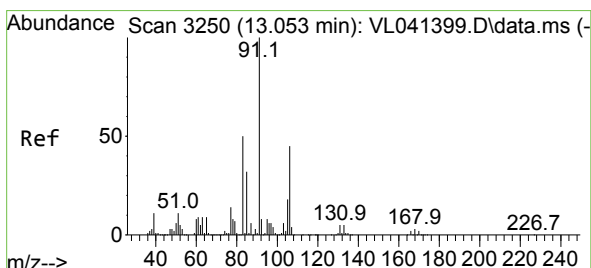
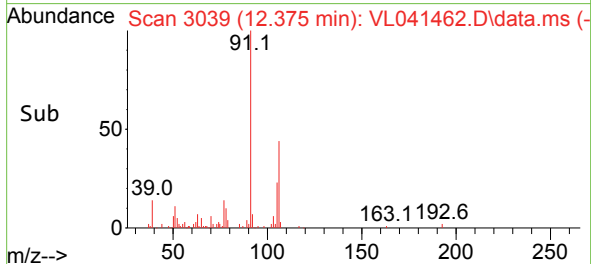
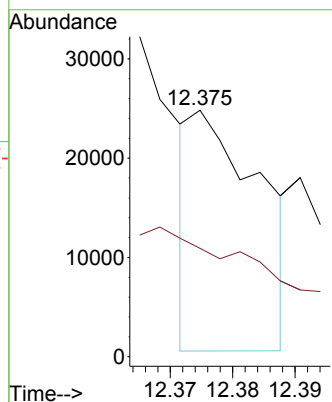
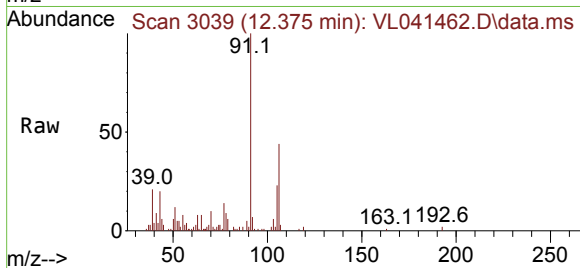
ClientSampleId :

Tgt Ion: 91 Resp: 18569

Ion Ratio Lower Upper

91 100

106 0.0 36.3 54.5#



#60

o-Xylene

Concen: 0.126 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.000 min

Lab File: VL041462.D

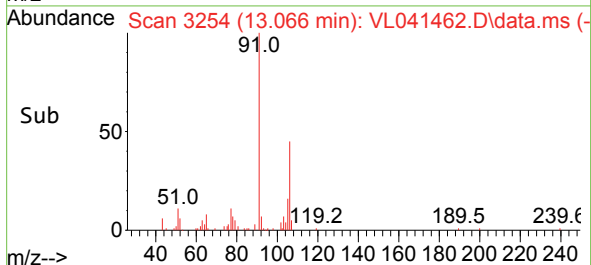
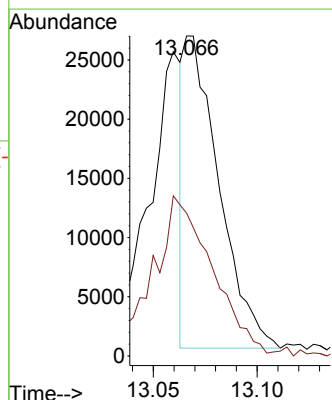
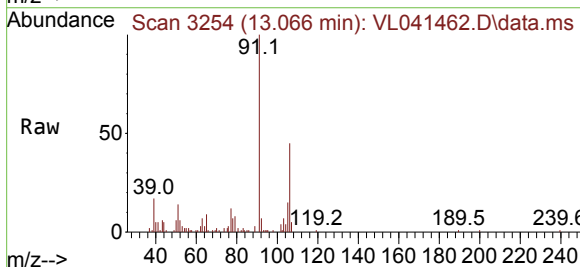
Acq: 31 Jul 2024 14:16

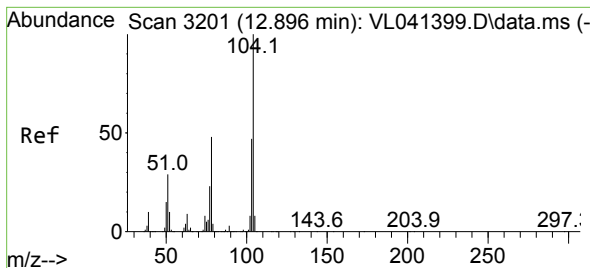
Tgt Ion: 91 Resp: 30637

Ion Ratio Lower Upper

91 100

106 0.0 23.1 69.3#





#61

Styrene

Concen: 0.567 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :

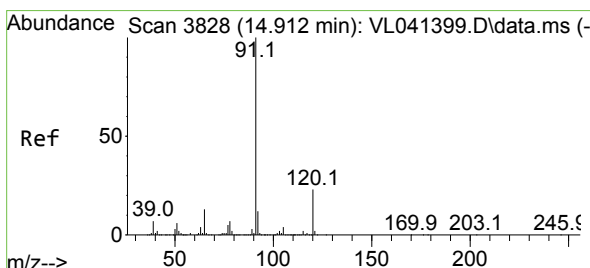
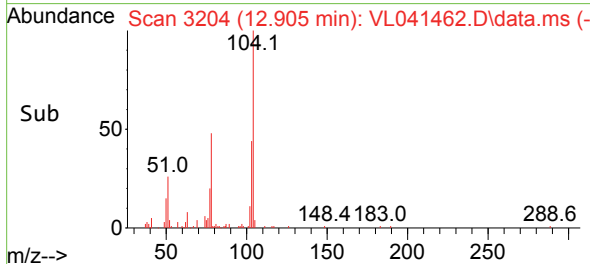
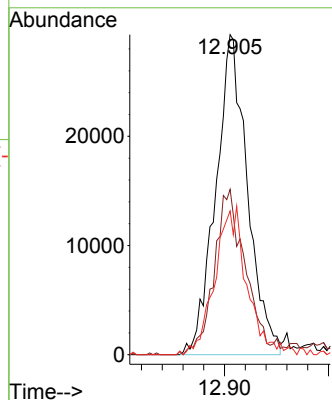
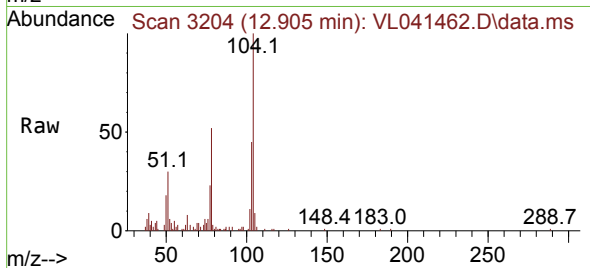
Tgt Ion:104 Resp: 62114

Ion Ratio Lower Upper

104 100

78 55.6 40.8 61.2

103 47.2 38.2 57.4



#64

n-propylbenzene

Concen: 0.032 ppbv

RT: 14.931 min Scan# 3834

Delta R.T. 0.010 min

Lab File: VL041462.D

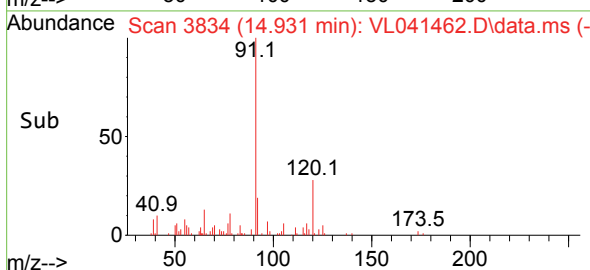
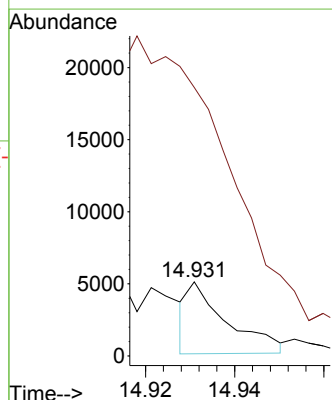
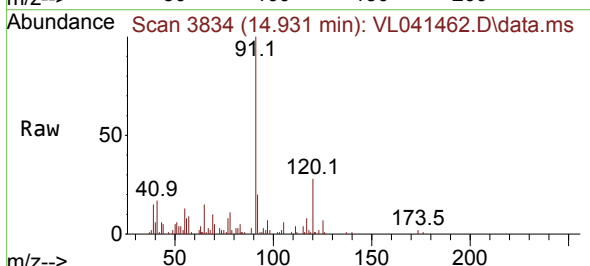
Acq: 31 Jul 2024 14:16

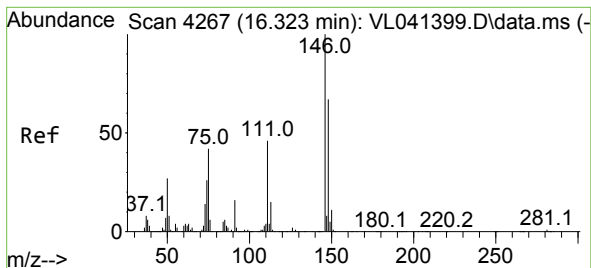
Tgt Ion:120 Resp: 3047

Ion Ratio Lower Upper

120 100

91 0.0 361.4 542.0#

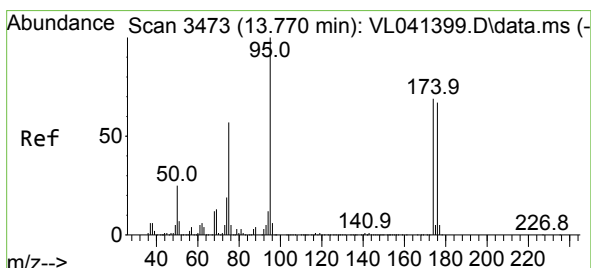
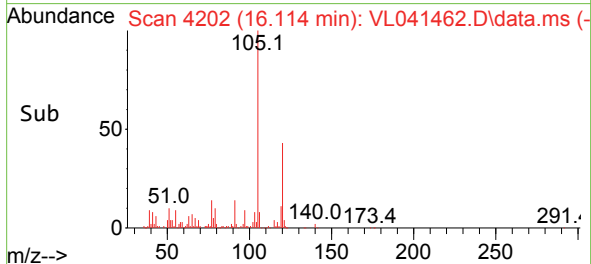
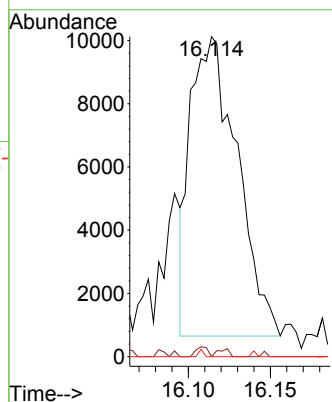
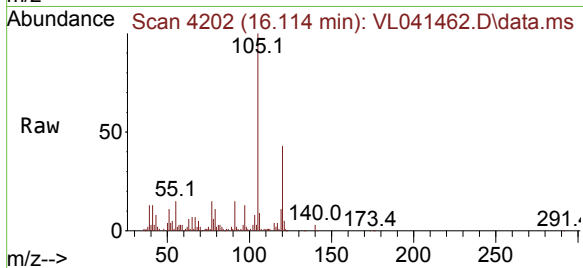




#66
Benzyl Chloride
Concen: 0.876 ppbv
RT: 16.114 min Scan# 41
Delta R.T. -0.222 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

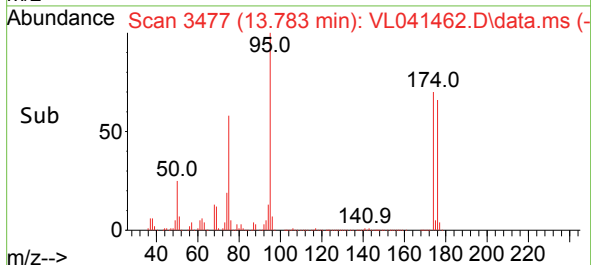
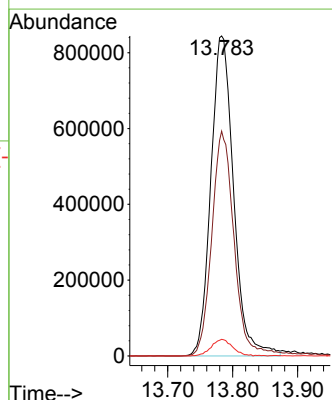
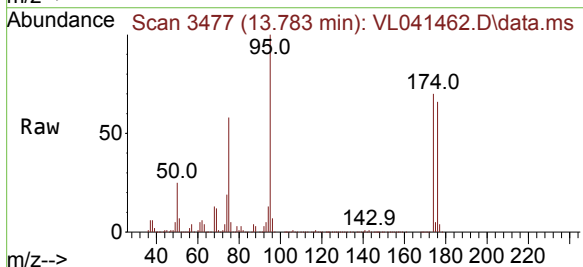
Instrument :
MSVOA_L
ClientSampleId :

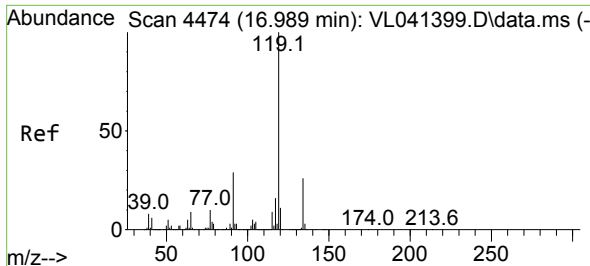
Tgt Ion: 91 Resp: 18732
Ion Ratio Lower Upper
91 100
126 1.5 13.8 20.8#
128 0.0 4.4 6.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.339 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.000 min
Lab File: VL041462.D
Acq: 31 Jul 2024 14:16

Tgt Ion: 95 Resp: 2051267
Ion Ratio Lower Upper
95 100
174 70.0 56.3 84.5
175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 1.189 ppbv

RT: 16.998 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :

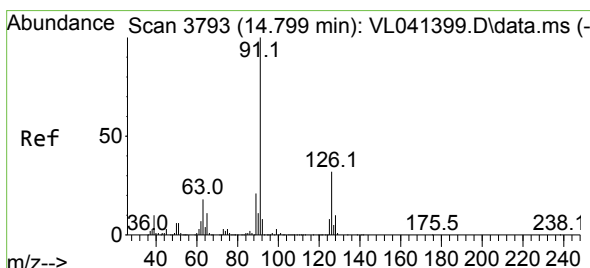
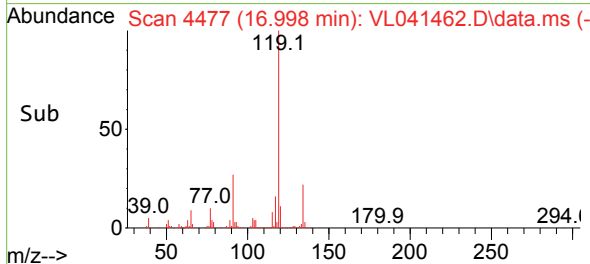
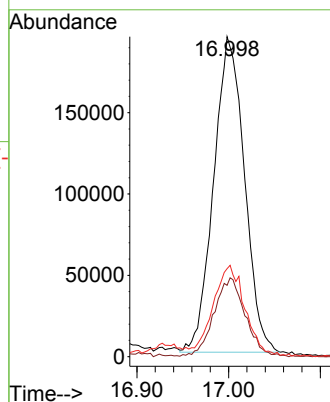
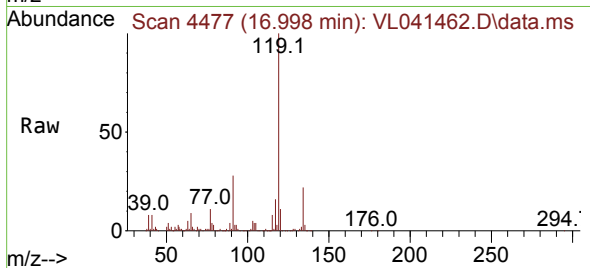
Tgt Ion:119 Resp: 452867

Ion Ratio Lower Upper

119 100

134 25.4 20.5 30.7

91 31.2 23.2 34.8



#71

2-Chlorotoluene

Concen: 0.094 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.113 min

Lab File: VL041462.D

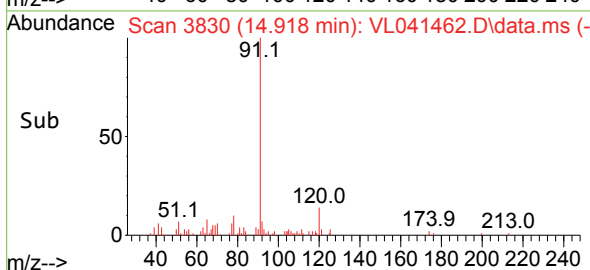
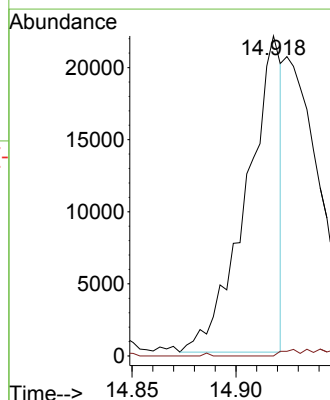
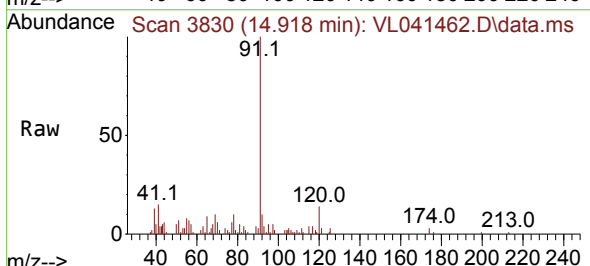
Acq: 31 Jul 2024 14:16

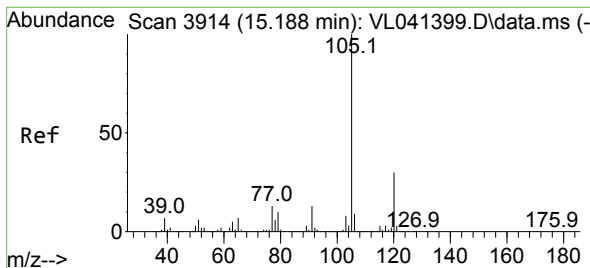
Tgt Ion: 91 Resp: 25603

Ion Ratio Lower Upper

91 100

126 3.2 12.7 50.9#





#72

4-Ethyltoluene

Concen: 0.094 ppbv

RT: 15.195 min Scan# 3916

Delta R.T. -0.003 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 26770

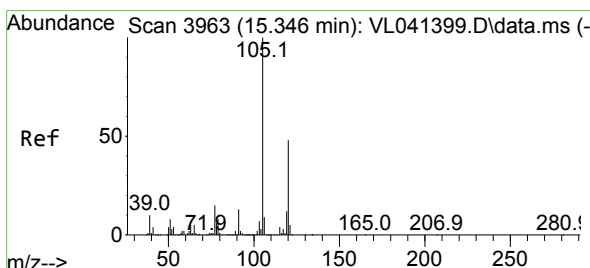
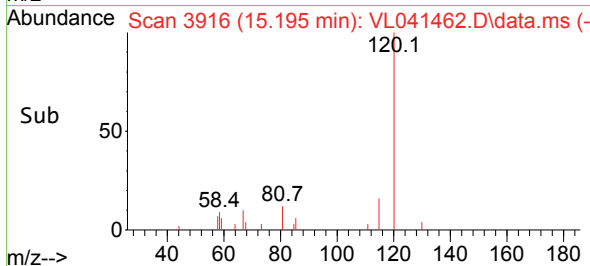
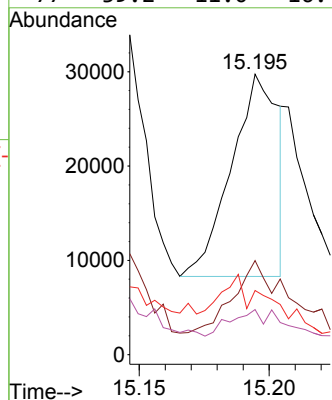
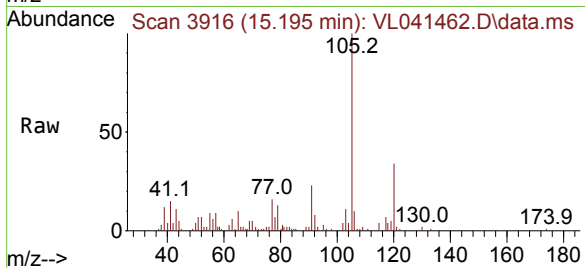
Ion Ratio Lower Upper

105 100

120 77.3 24.2 36.2#

91 71.9 10.4 15.6#

77 39.2 11.0 16.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.233 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. 0.003 min

Lab File: VL041462.D

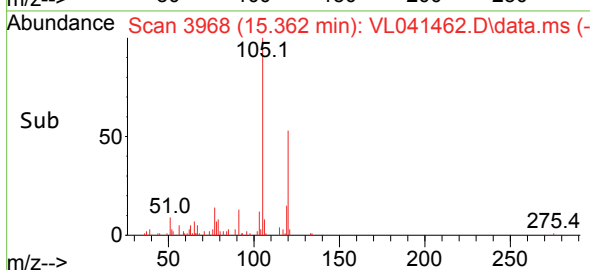
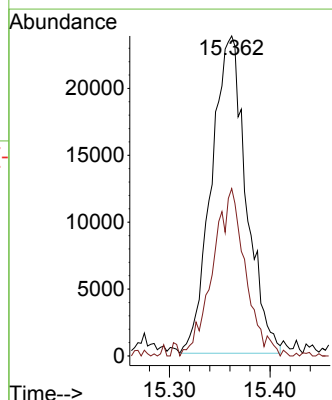
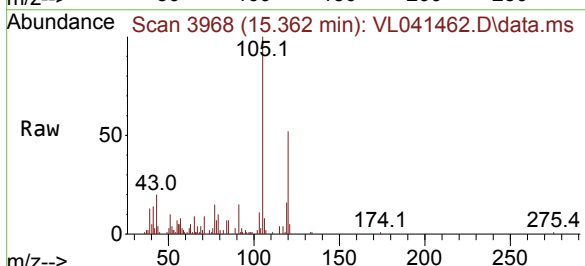
Acq: 31 Jul 2024 14:16

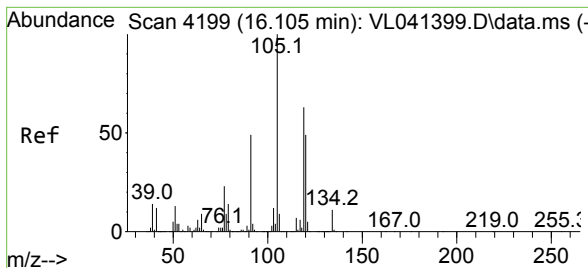
Tgt Ion:105 Resp: 57254

Ion Ratio Lower Upper

105 100

120 57.7 38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 0.583 ppbv

RT: 16.111 min Scan# 4199

Delta R.T. -0.006 min

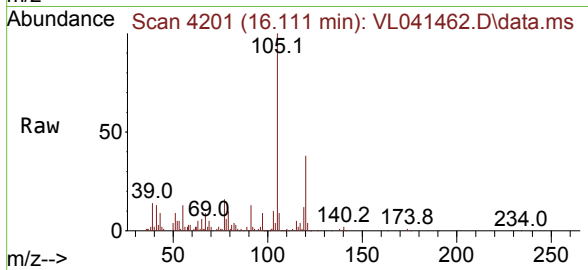
Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 166714

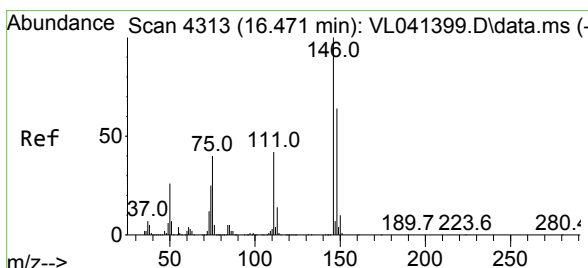
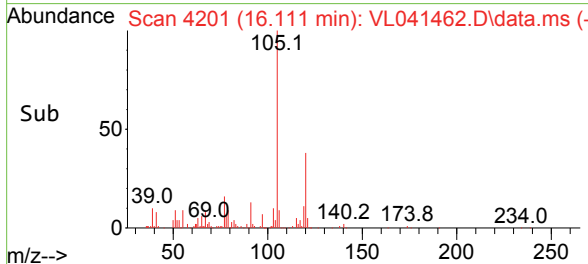
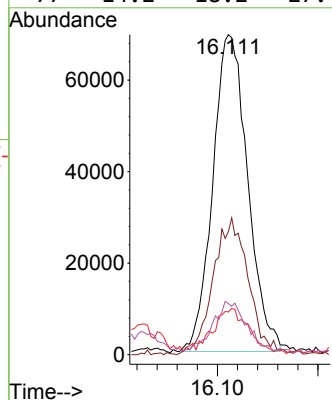
Ion Ratio Lower Upper

105 100

120 38.4 39.5 59.3#

91 12.0 39.8 59.8#

77 14.2 18.2 27.4#



#76

1,4-Dichlorobenzene

Concen: 0.042 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. 0.000 min

Lab File: VL041462.D

Acq: 31 Jul 2024 14:16

Tgt Ion:146 Resp: 7356

Ion Ratio Lower Upper

146 100

111 123.1 22.4 67.0#

148 80.9 33.1 99.5

