

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041549.D
 Acq On : 19 Aug 2024 15:40
 Operator : SY/MD
 Sample : P3659-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Aug 20 02:18:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 20 02:10:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1030450	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2642611	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2422893	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1922852	10.313	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	41368	0.233	ppbv	98
3) Chlorodifluoromethane	2.671	51	133263	1.086	ppbv #	73
4) Chloromethane	2.835	50	42795	0.656	ppbv #	88
9) Propene	2.716	41	270309	4.797	ppbv	91
10) Heptane	7.600	43	5074	0.040	ppbv #	62
11) Trichlorofluoromethane	3.584	101	34364	0.218	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.086	101	6155	0.054	ppbv #	82
13) Ethanol	3.269	45	8672203	1721.832	ppbv	93
15) Acetone	3.485	43	2895973	24.735	ppbv	98
16) 1,3-Butadiene	2.986	39	19348	0.309	ppbv #	32
17) tert-Butyl alcohol	3.607	59	87740	0.822	ppbv	98
19) Isopropyl Alcohol	3.607	45	2478826	36.215	ppbv #	98
20) Methylene Chloride	3.954	84	4603327	105.436	ppbv	92
21) Allyl Chloride	3.951	41	196711	2.562	ppbv #	22
23) Vinyl Acetate	4.636	43	90914	1.017	ppbv #	76
25) Ethyl Acetate	5.234	43	2411471	10.368	ppbv #	79
26) Hexane	5.234	57	3040182	31.508	ppbv #	40
29) Chloroform	5.298	83	668756	4.249	ppbv	97
30) Cyclohexane	6.623	84	6684	0.085	ppbv #	62
31) cis-1,2-Dichloroethene	5.221	61	36449	0.382	ppbv #	25
34) 2-Butanone	4.803	43	728181	5.696	ppbv	99
35) Carbon Tetrachloride	6.517	117	8804	0.060	ppbv #	83
36) Benzene	6.388	78	16815	0.087	ppbv	97
39) 1,2-Dichloropropane	6.674	63	652157	8.822	ppbv #	24
41) Tetrahydrofuran	5.578	42	299717	4.099	ppbv	92
42) Bromodichloromethane	7.269	83	18705	0.120	ppbv #	99
50) 4-Methyl-2-Pentanone	8.205	43	8965	0.044	ppbv #	47
52) Tetrachloroethene	10.639	164	6304	0.084	ppbv #	36
53) Toluene	9.243	91	85799	0.399	ppbv	97
58) Ethyl Benzene	12.111	91	29979	0.107	ppbv	95
59) m/p-Xylene	12.388	91	35384	0.147	ppbv #	31
60) o-Xylene	13.076	91	22951	0.101	ppbv #	39
61) Styrene	12.921	104	9218	0.090	ppbv #	42
65) tert-Butylbenzene	16.127	119	15022	0.048	ppbv #	17
69) p-Isopropyltoluene	17.018	119	160193	0.447	ppbv	93
72) 4-Ethyltoluene	15.214	105	44888	0.167	ppbv #	91
73) 1,3,5-Trimethylbenzene	15.365	105	29254	0.126	ppbv	91
74) 1,2,4-Trimethylbenzene	16.130	105	164218	0.611	ppbv #	72
75) 1,3-Dichlorobenzene	16.494	146	1451235	8.585	ppbv	99
76) 1,4-Dichlorobenzene	16.494	146	1451235	8.867	ppbv	99
79) Naphthalene	21.407	128	2141070	9.021	ppbv	99

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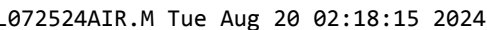
Instrument :
MSVOA_L
ClientSampleId :
IA1

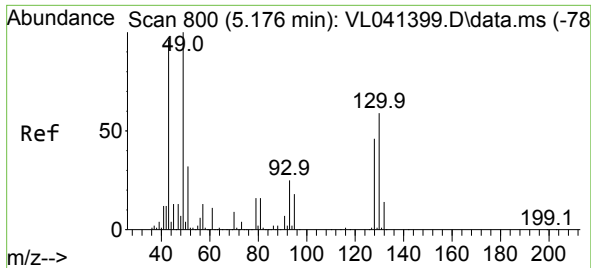
Quant Time: Aug 20 02:18:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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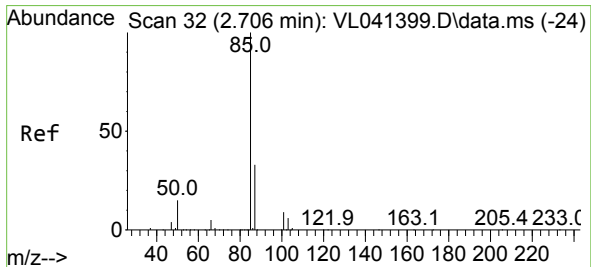
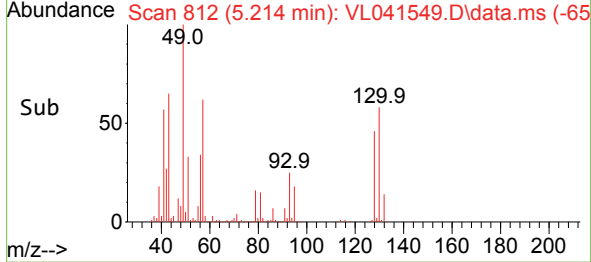
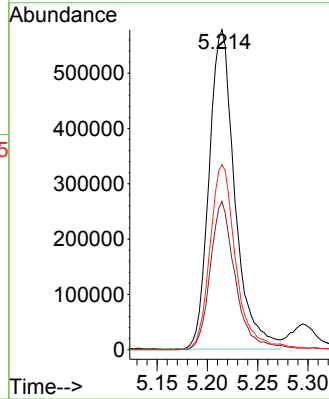
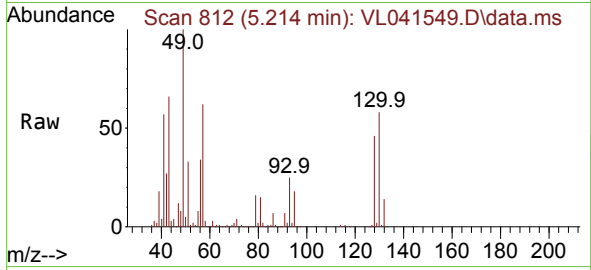




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

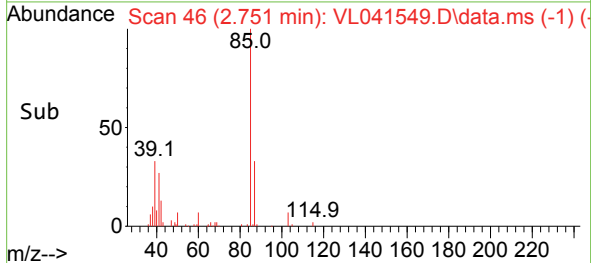
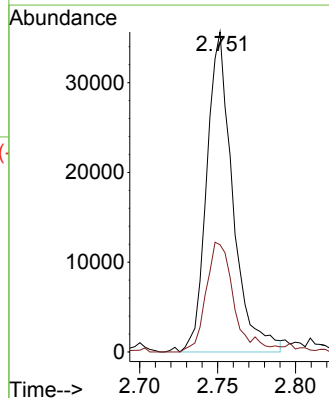
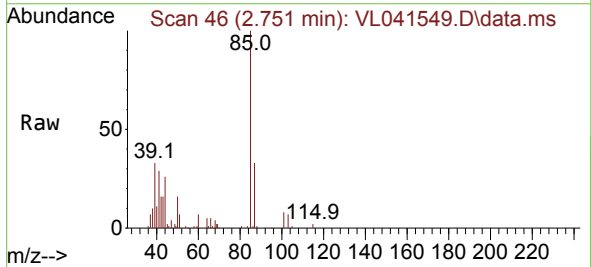
Instrument :
MSVOA_L
ClientSampleId :
IA1

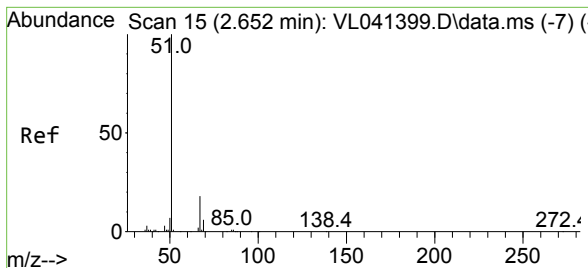
Tgt Ion: 49 Resp: 1030450
Ion Ratio Lower Upper
49 100
128 46.1 23.8 71.4
130 59.5 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.233 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 85 Resp: 41368
Ion Ratio Lower Upper
85 100
87 33.5 26.0 39.0





#3

Chlorodifluoromethane

Concen: 1.086 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.022 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Instrument :

MSVOA_L

ClientSampleId :

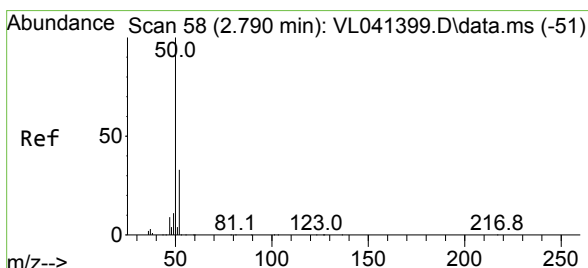
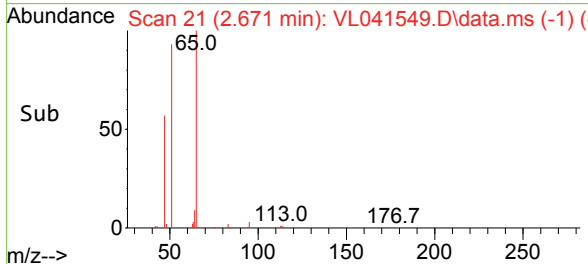
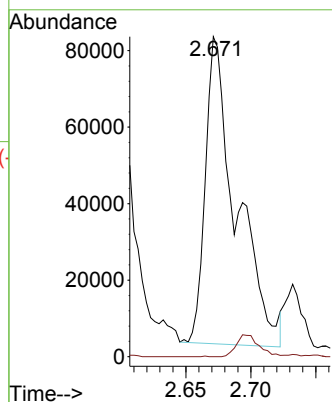
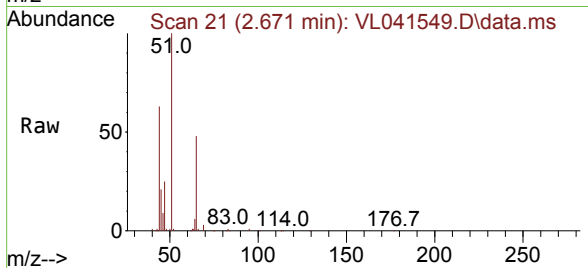
IA1

Tgt Ion: 51 Resp: 133263

Ion Ratio Lower Upper

51 100

67 5.9 14.5 21.7#



#4

Chloromethane

Concen: 0.656 ppbv

RT: 2.835 min Scan# 72

Delta R.T. 0.003 min

Lab File: VL041549.D

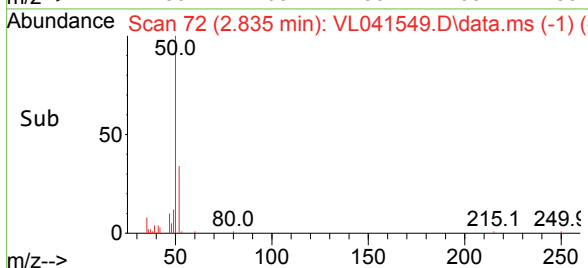
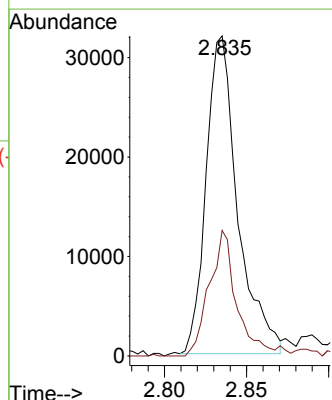
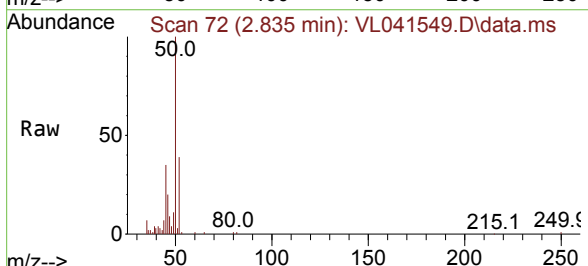
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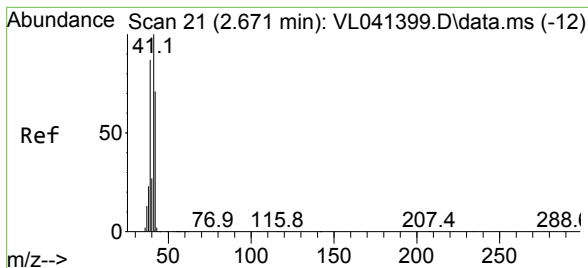
Tgt Ion: 50 Resp: 42795

Ion Ratio Lower Upper

50 100

52 39.5 26.1 39.1#





#9

Propene

Concen: 4.797 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Instrument :

MSVOA_L

ClientSampleId :

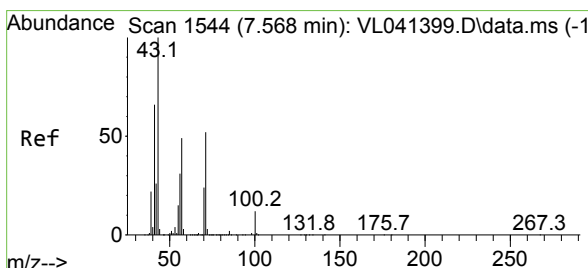
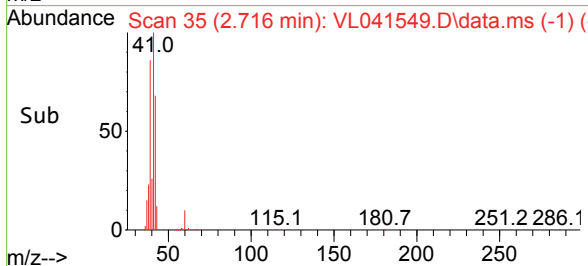
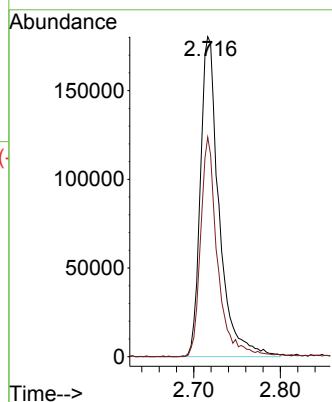
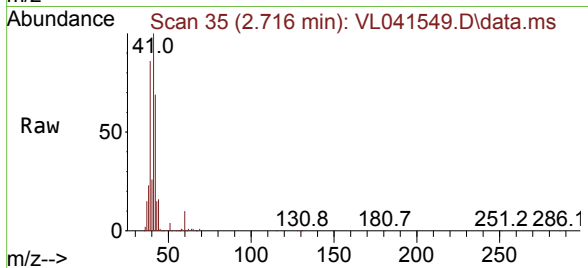
IA1

Tgt Ion: 41 Resp: 270309

Ion Ratio Lower Upper

41 100

42 62.8 55.9 83.9



#10

Heptane

Concen: 0.040 ppbv

RT: 7.600 min Scan# 1554

Delta R.T. 0.003 min

Lab File: VL041549.D

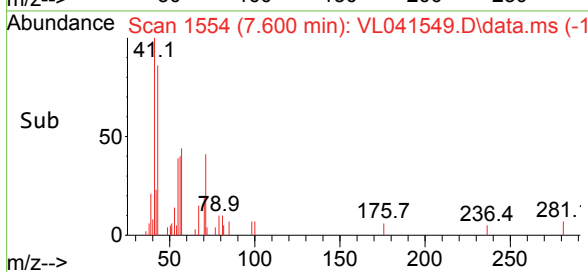
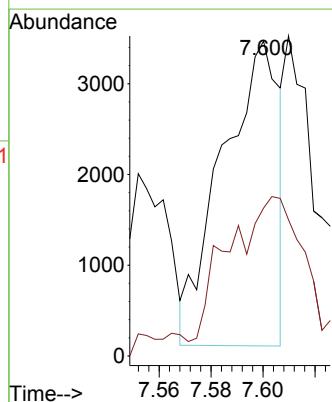
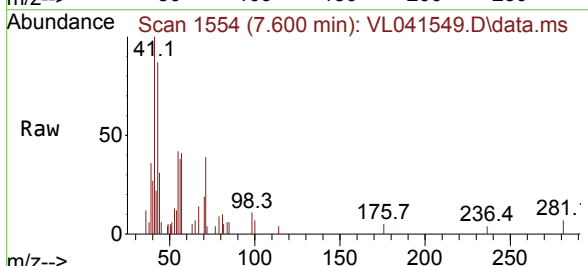
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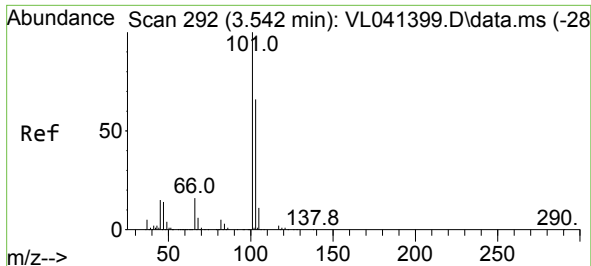
Tgt Ion: 43 Resp: 5074

Ion Ratio Lower Upper

43 100

57 77.2 40.5 60.7#

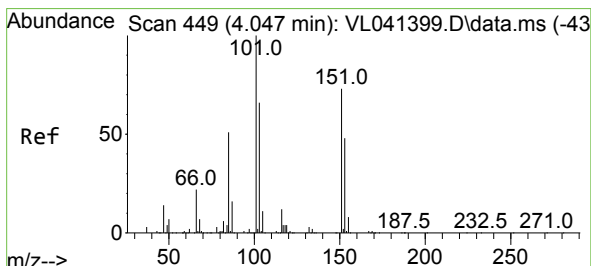
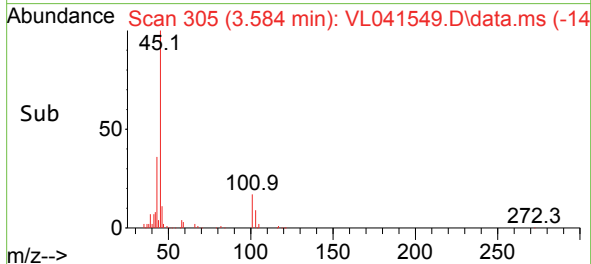
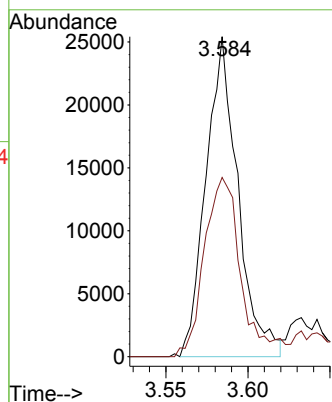
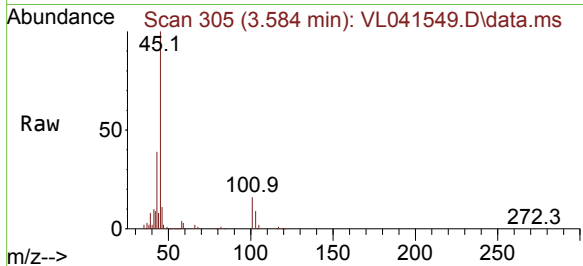




#11
 Trichlorofluoromethane
 Concen: 0.218 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.003 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

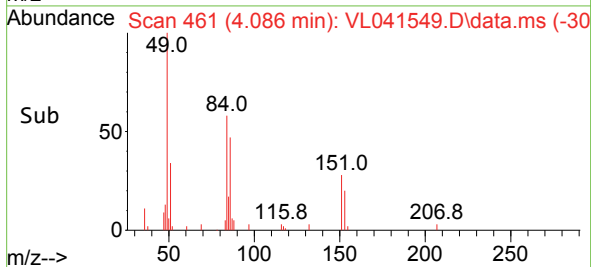
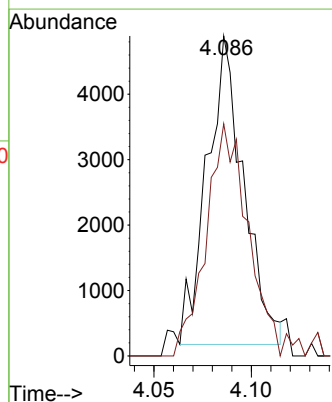
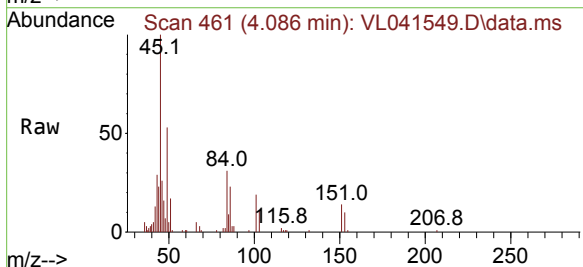
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

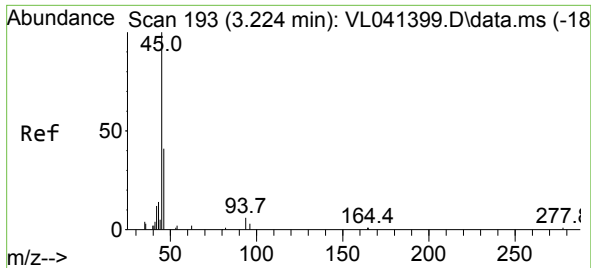
Tgt Ion:101 Resp: 34364
 Ion Ratio Lower Upper
 101 100
 103 53.3 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.054 ppbv
 RT: 4.086 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

Tgt Ion:101 Resp: 6155
 Ion Ratio Lower Upper
 101 100
 151 89.4 59.4 89.2#

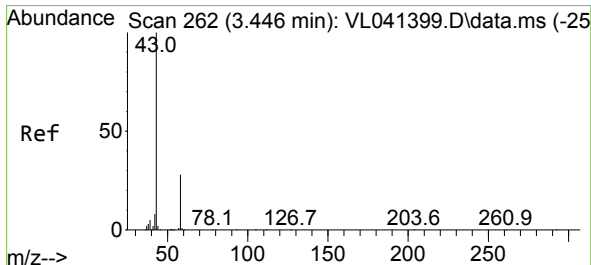
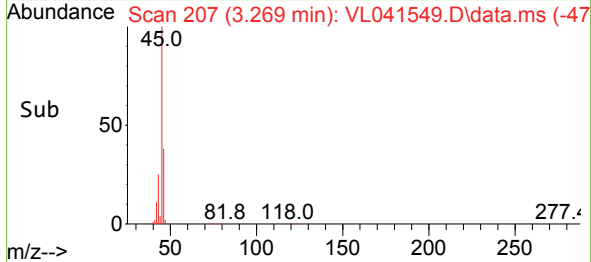
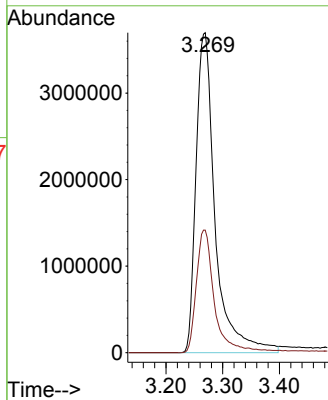
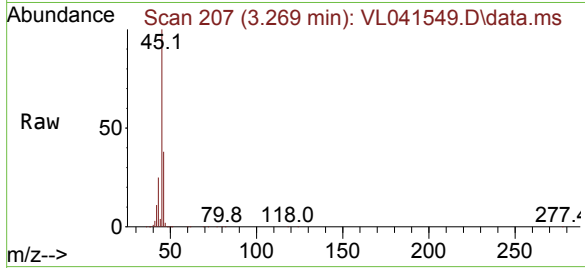




#13
Ethanol
Concen: 1721.832 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.013 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

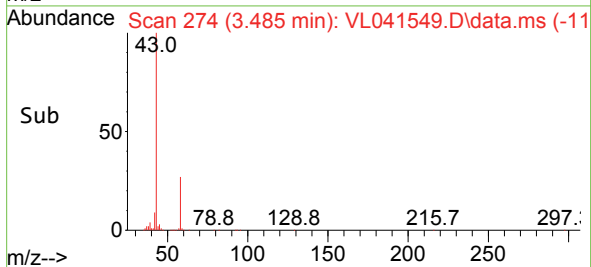
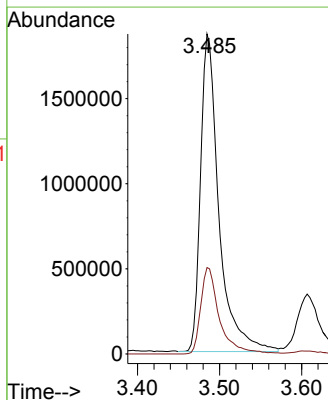
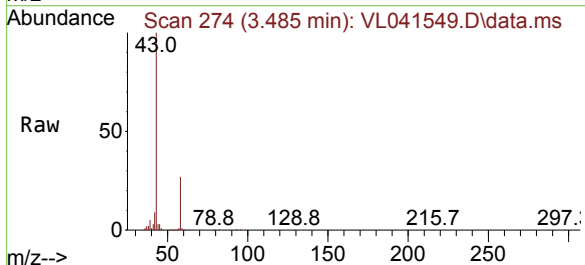
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ClientSampleId :
IA1

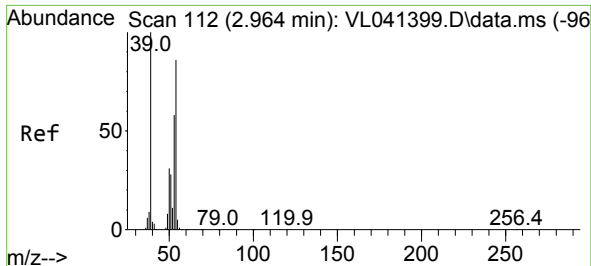
Tgt Ion: 45 Resp: 8672203
Ion Ratio Lower Upper
45 100
46 37.2 13.4 53.4



#15
Acetone
Concen: 24.735 ppbv
RT: 3.485 min Scan# 274
Delta R.T. 0.000 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 43 Resp: 2895973
Ion Ratio Lower Upper
43 100
58 27.8 21.4 32.2

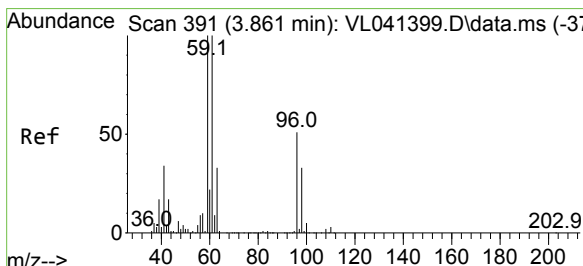
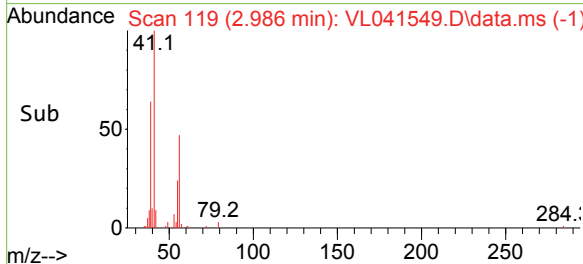
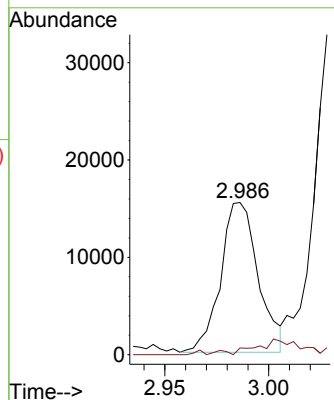
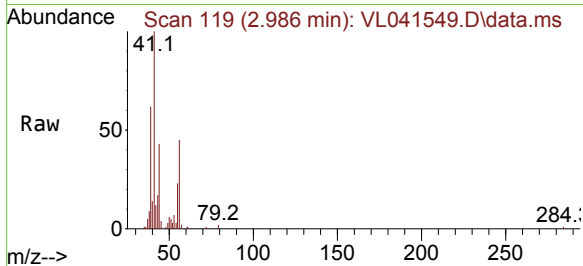




#16
1,3-Butadiene
Concen: 0.309 ppbv
RT: 2.986 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

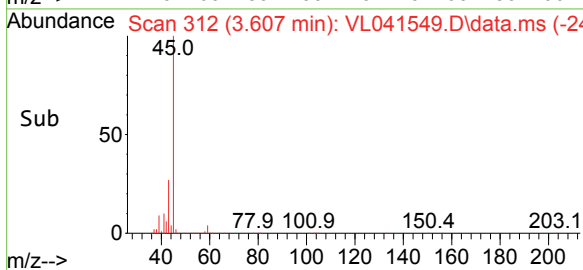
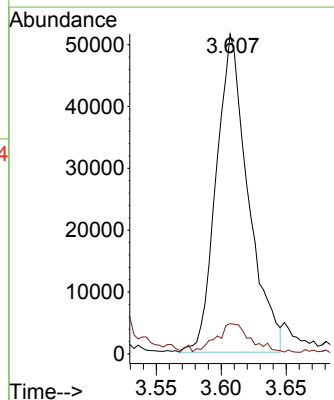
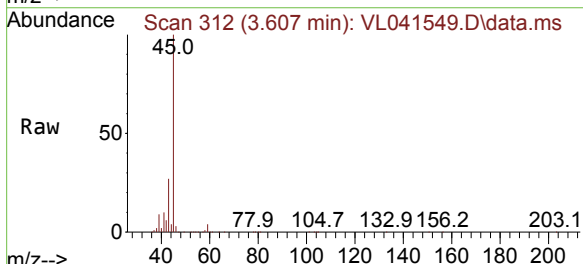
Instrument :
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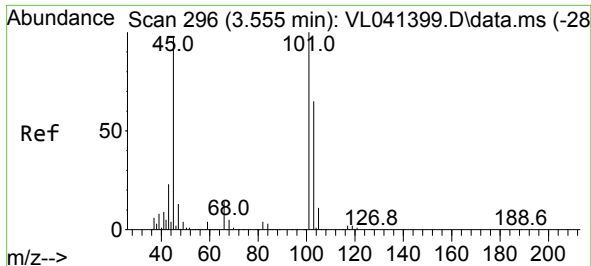
Tgt Ion: 39 Resp: 19348
Ion Ratio Lower Upper
39 100
54 18.5 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.822 ppbv
RT: 3.607 min Scan# 312
Delta R.T. -0.286 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 59 Resp: 87740
Ion Ratio Lower Upper
59 100
57 9.8 8.6 12.8

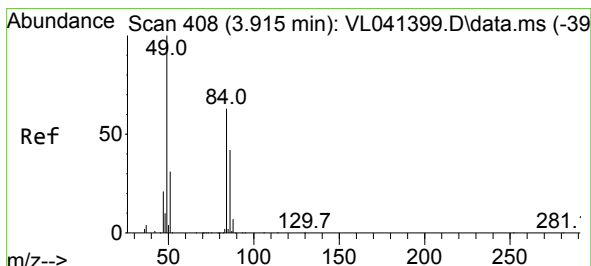
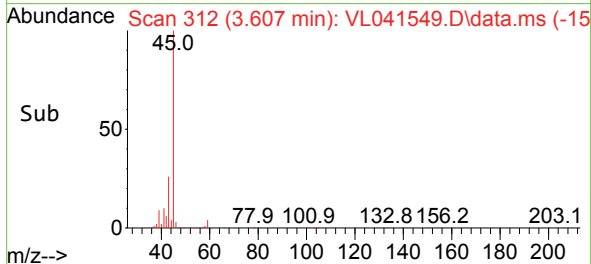
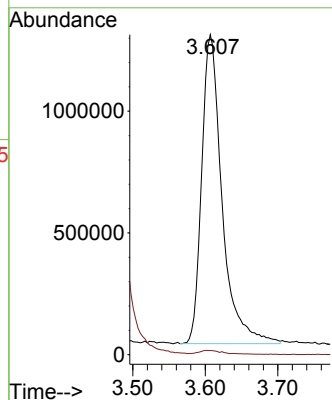
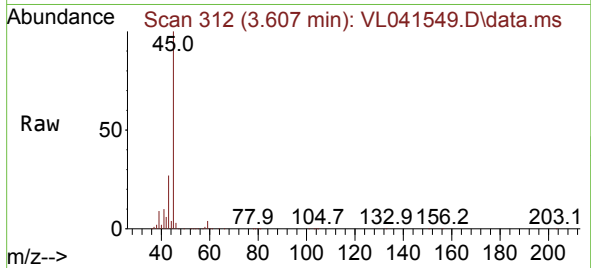




#19
Isopropyl Alcohol
Concen: 36.215 ppbv
RT: 3.607 min Scan# 312
Delta R.T. 0.016 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

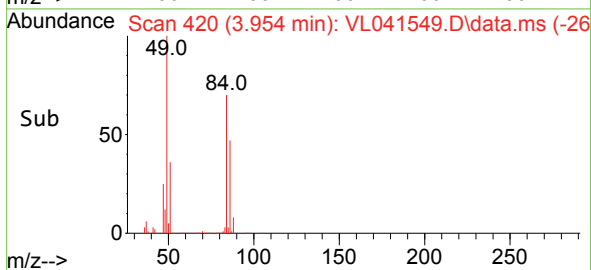
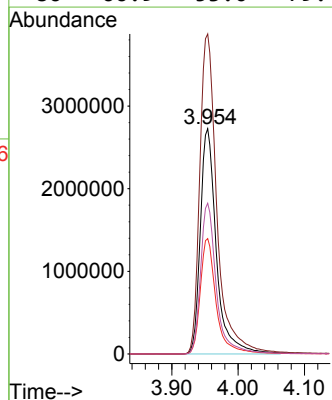
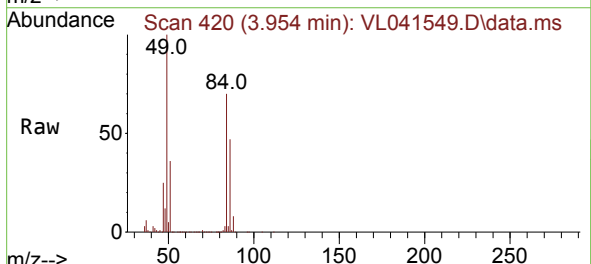
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MSVOA_L
ClientSampleId :
IA1

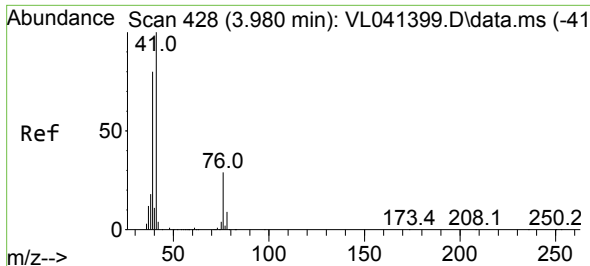
Tgt Ion: 45 Resp: 2478826
Ion Ratio Lower Upper
45 100
58 1.9 1.9 2.9#



#20
Methylene Chloride
Concen: 105.436 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 84 Resp: 4603327
Ion Ratio Lower Upper
84 100
49 142.0 126.6 190.0
51 51.2 38.6 58.0
86 66.9 53.0 79.4

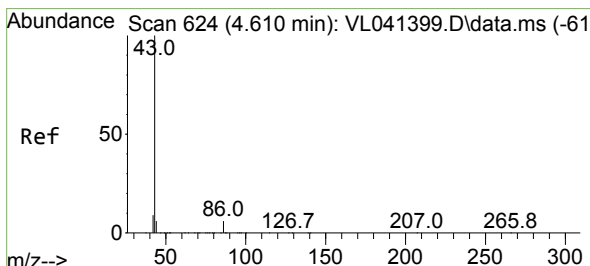
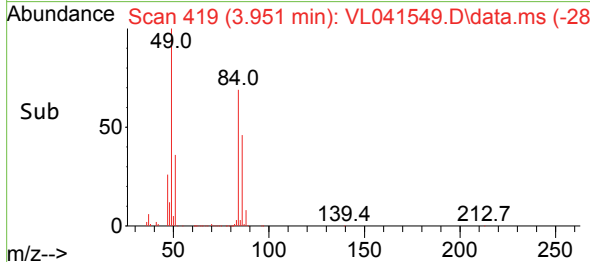
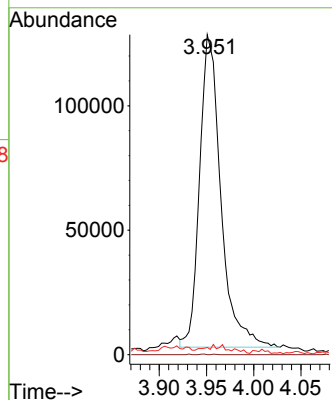
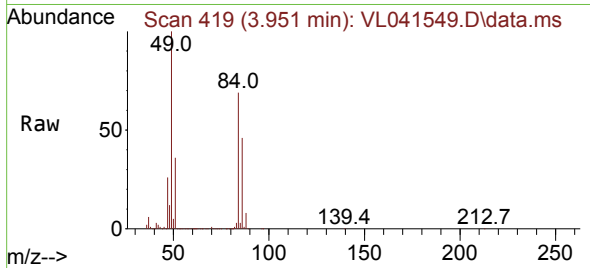




#21
 Allyl Chloride
 Concen: 2.562 ppbv
 RT: 3.951 min Scan# 41
 Delta R.T. -0.061 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

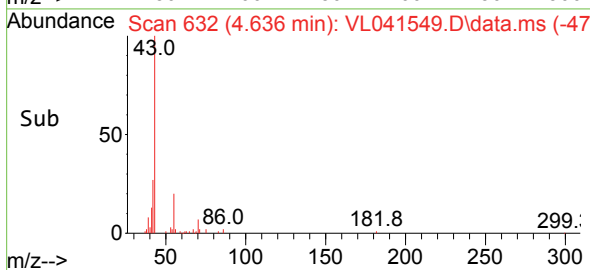
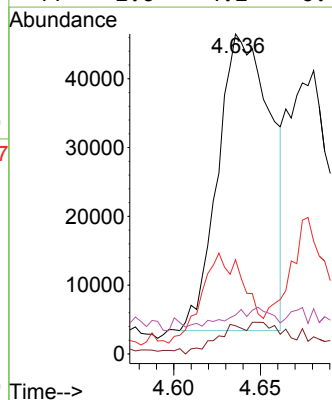
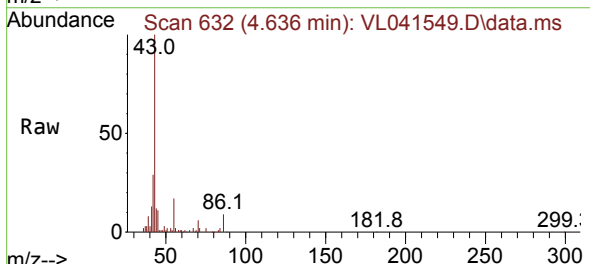
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

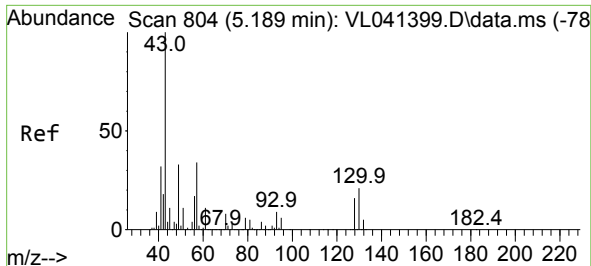
Tgt Ion: 41 Resp: 196711
 Ion Ratio Lower Upper
 41 100
 76 0.1 23.7 35.5#
 39 3.4 64.3 96.5#



#23
 Vinyl Acetate
 Concen: 1.017 ppbv
 RT: 4.636 min Scan# 632
 Delta R.T. -0.006 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

Tgt Ion: 43 Resp: 90914
 Ion Ratio Lower Upper
 43 100
 86 7.7 4.6 6.8#
 42 25.5 7.9 11.9#
 44 2.6 4.2 6.4#



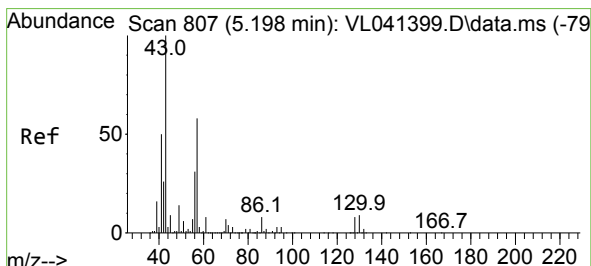
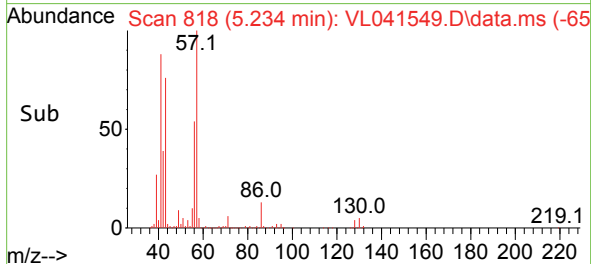
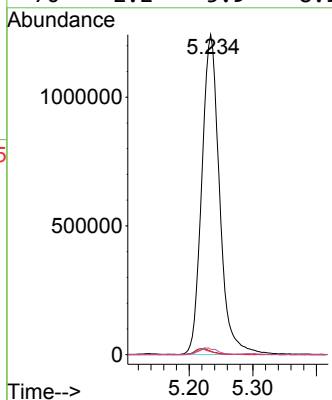
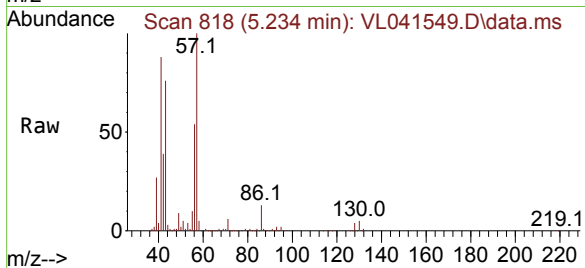


#25
Ethyl Acetate
Concen: 10.368 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.013 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 2411471

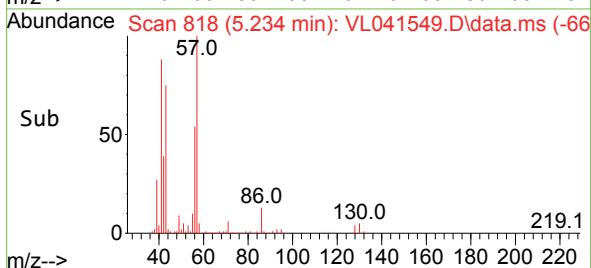
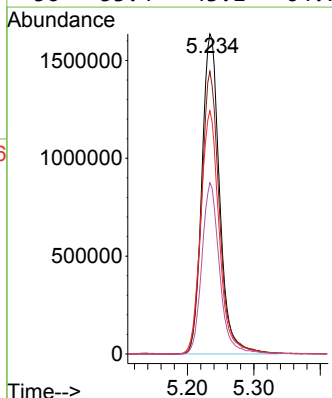
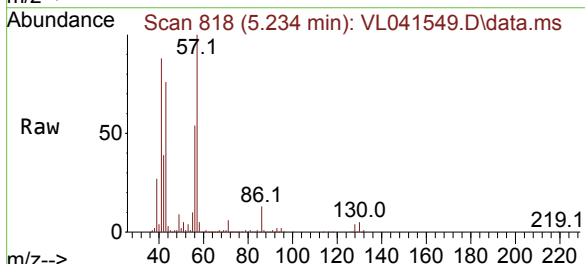
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.5	12.7#
61	1.6	8.0	12.0#
70	2.2	5.9	8.9#

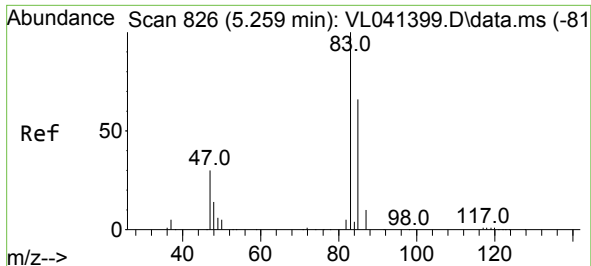


#26
Hexane
Concen: 31.508 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 57 Resp: 3040182

Ion	Ratio	Lower	Upper
57	100		
41	89.0	74.0	111.0
43	79.4	193.6	290.4#
56	53.4	43.1	64.7

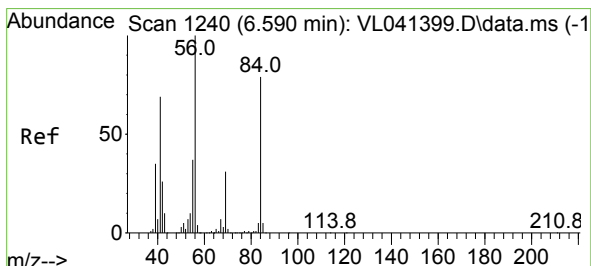
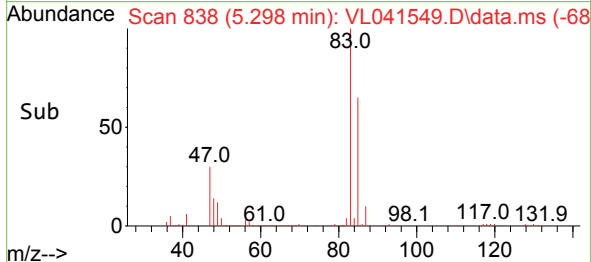
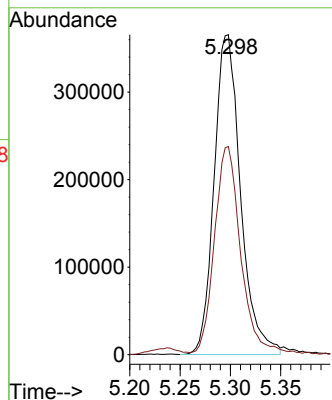
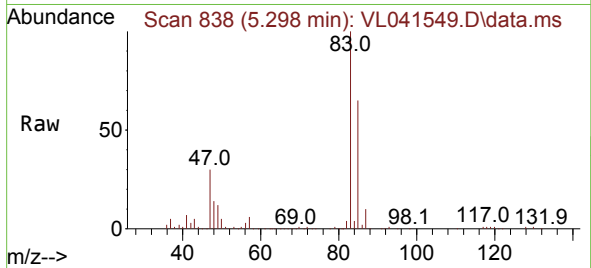




#29
Chloroform
Concen: 4.249 ppbv
RT: 5.298 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

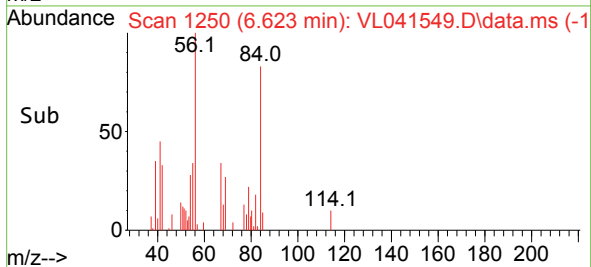
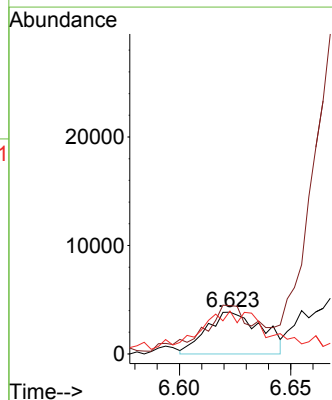
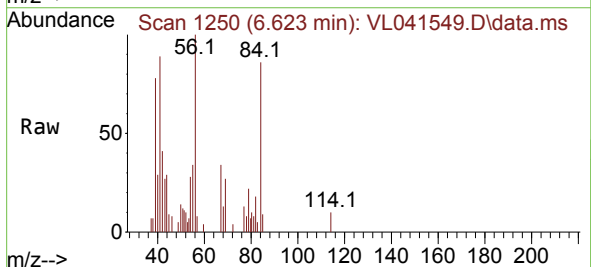
Instrument :
MSVOA_L
ClientSampleId :
IA1

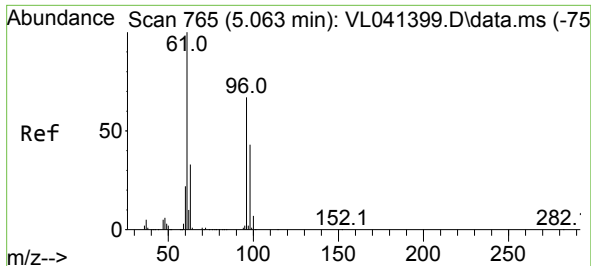
Tgt Ion: 83 Resp: 668756
Ion Ratio Lower Upper
83 100
85 63.9 53.1 79.7



#30
Cyclohexane
Concen: 0.085 ppbv
RT: 6.623 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 84 Resp: 6684
Ion Ratio Lower Upper
84 100
56 110.0 111.2 166.8#
41 143.2 70.3 105.5#

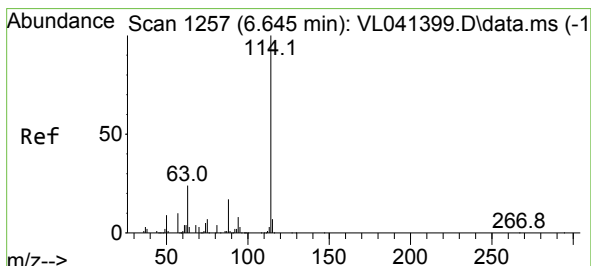
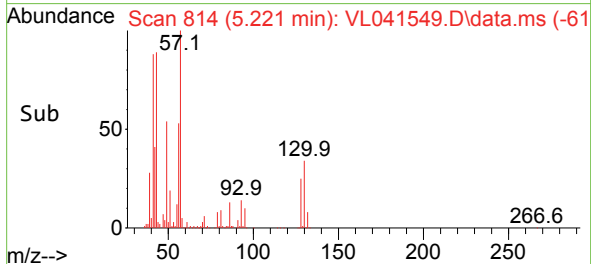
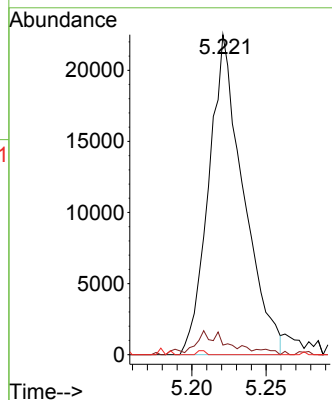
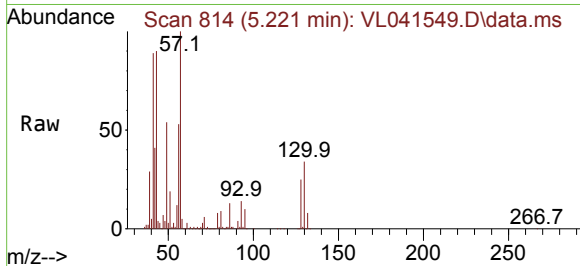




#31
 cis-1,2-Dichloroethene
 Concen: 0.382 ppbv
 RT: 5.221 min Scan# 81
 Delta R.T. 0.126 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

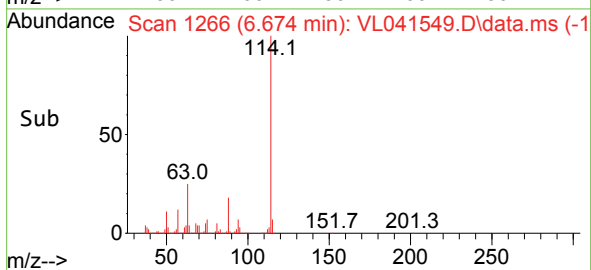
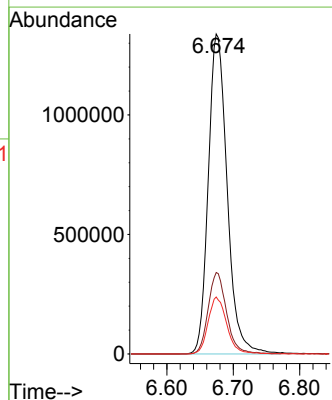
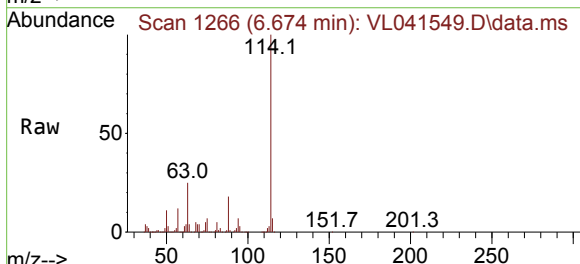
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

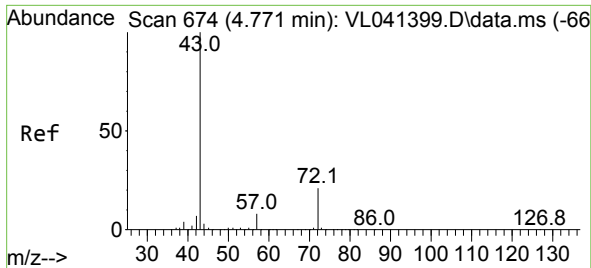
Tgt Ion: 61 Resp: 36449
 Ion Ratio Lower Upper
 61 100
 96 3.0 53.4 80.2#
 98 0.0 34.4 51.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.674 min Scan# 1266
 Delta R.T. 0.003 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

Tgt Ion: 114 Resp: 2642611
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.3 30.5
 88 17.7 14.3 21.5

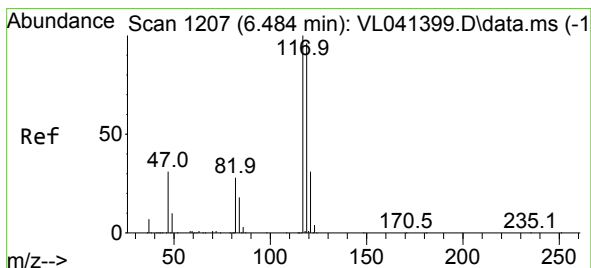
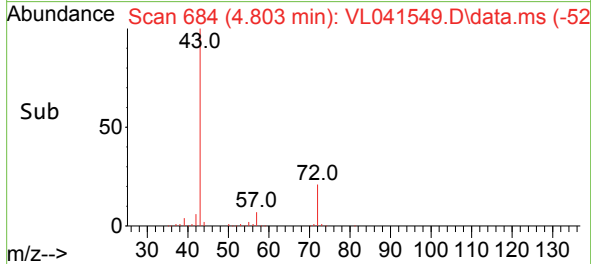
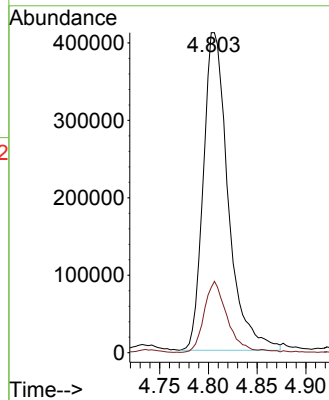
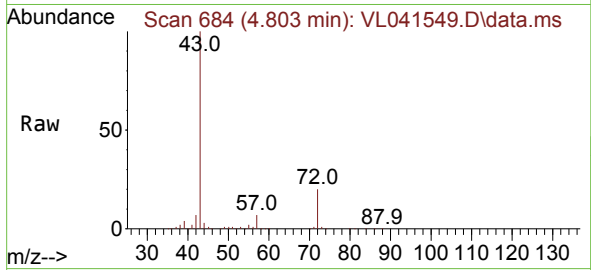




#34
2-Butanone
Concen: 5.696 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

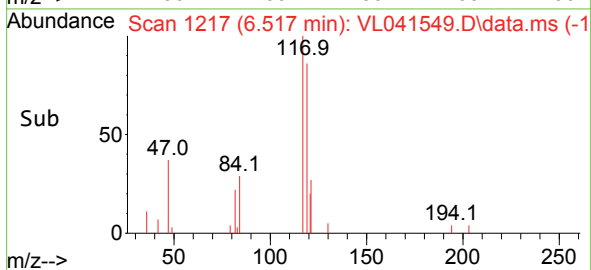
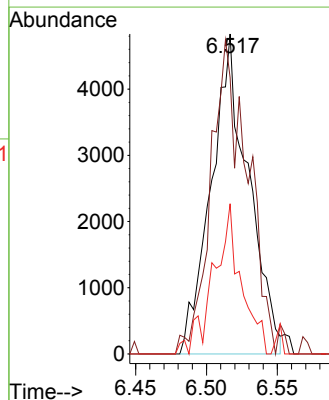
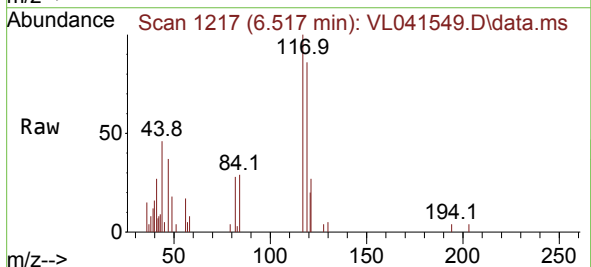
Instrument :
MSVOA_L
ClientSampleId :
IA1

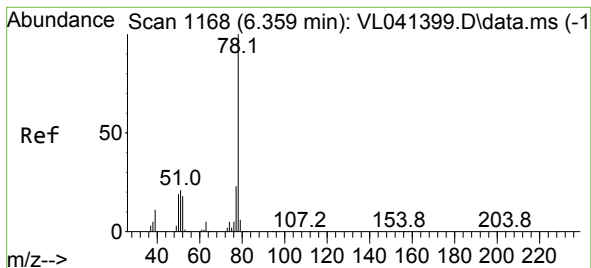
Tgt Ion: 43 Resp: 728181
Ion Ratio Lower Upper
43 100
72 21.2 17.3 25.9



#35
Carbon Tetrachloride
Concen: 0.060 ppbv
RT: 6.517 min Scan# 1217
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 117 Resp: 8804
Ion Ratio Lower Upper
117 100
119 80.5 76.6 115.0
121 43.7 25.1 37.7#





#36

Benzene

Concen: 0.087 ppbv

RT: 6.388 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Instrument :

MSVOA_L

ClientSampleId :

IA1

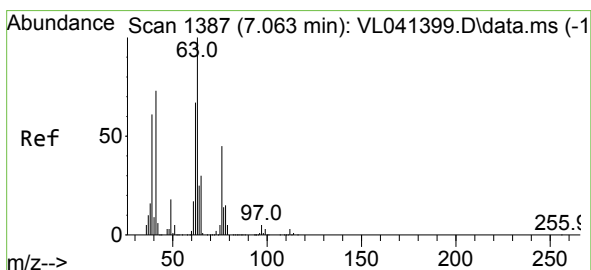
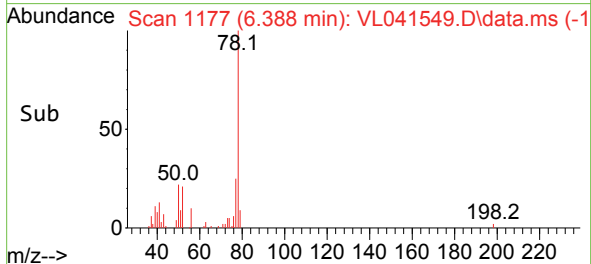
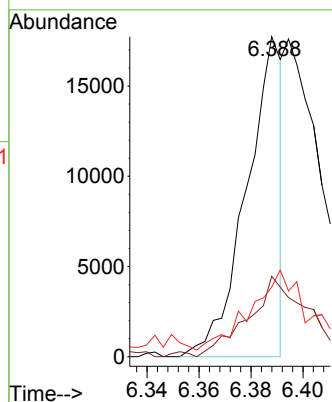
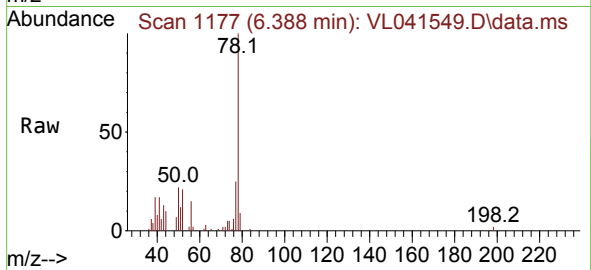
Tgt Ion: 78 Resp: 16815

Ion Ratio Lower Upper

78 100

77 23.6 18.1 27.1

50 17.4 15.5 23.3



#39

1,2-Dichloropropane

Concen: 8.822 ppbv

RT: 6.674 min Scan# 1266

Delta R.T. -0.421 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

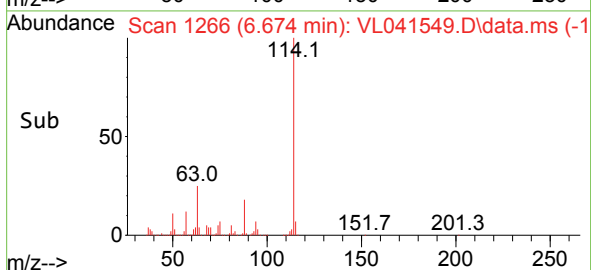
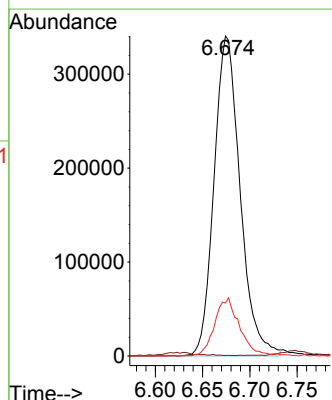
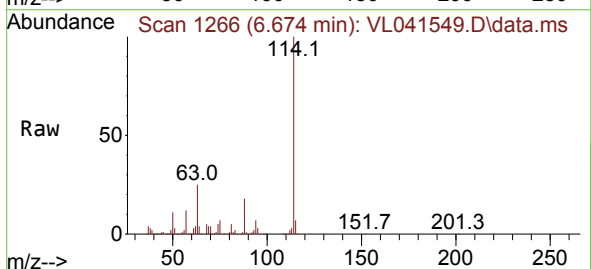
Tgt Ion: 63 Resp: 652157

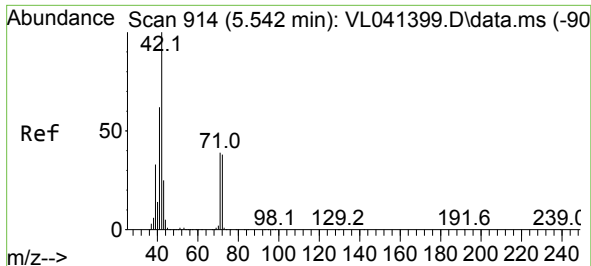
Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 16.5 53.9 80.9#

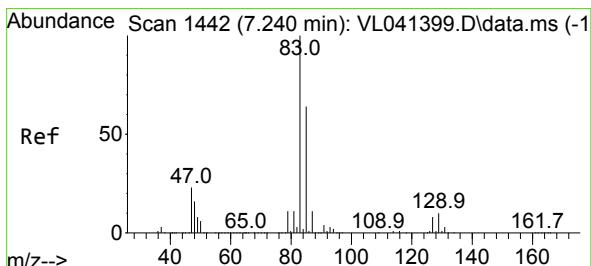
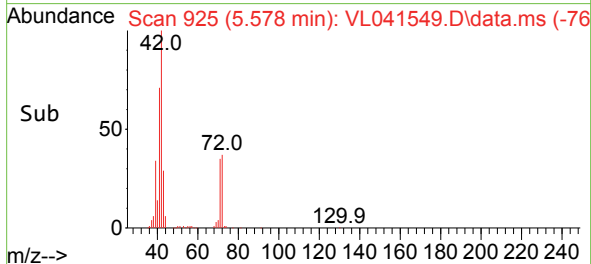
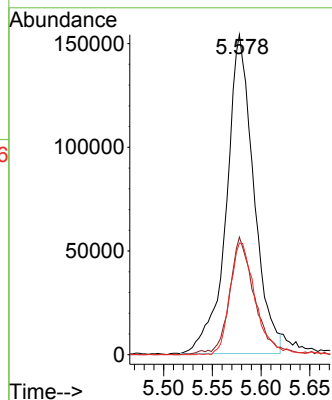
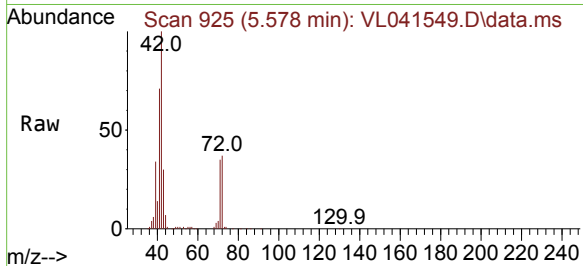




#41
Tetrahydrofuran
Concen: 4.099 ppbv
RT: 5.578 min Scan# 914
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

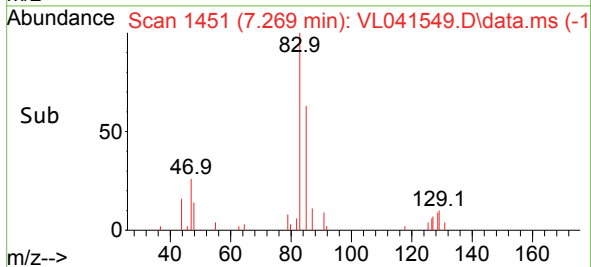
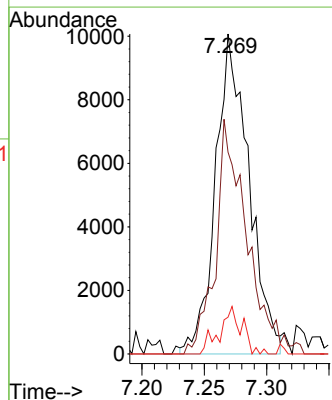
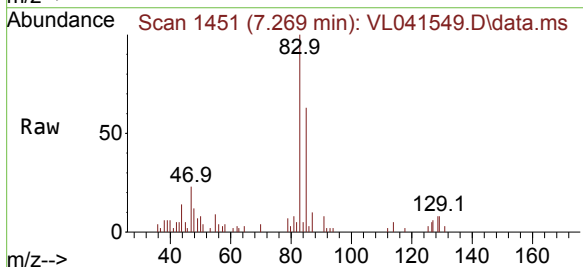
Instrument :
MSVOA_L
ClientSampleId :
IA1

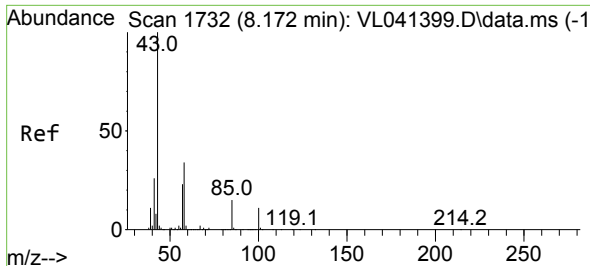
Tgt Ion: 42 Resp: 299717
Ion Ratio Lower Upper
42 100
72 34.6 31.2 46.8
71 33.3 30.5 45.7



#42
Bromodichloromethane
Concen: 0.120 ppbv
RT: 7.269 min Scan# 1451
Delta R.T. 0.000 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 83 Resp: 18705
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.0
127 11.7 6.7 10.1#

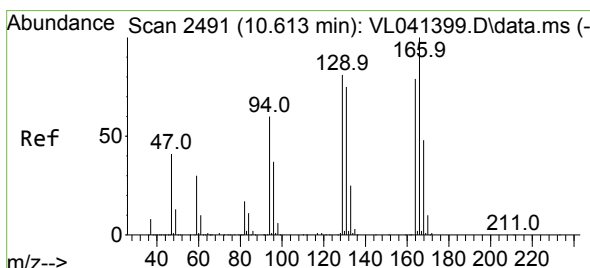
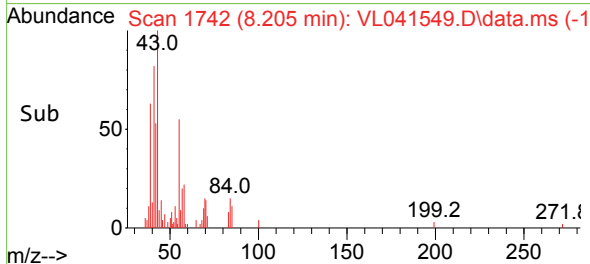
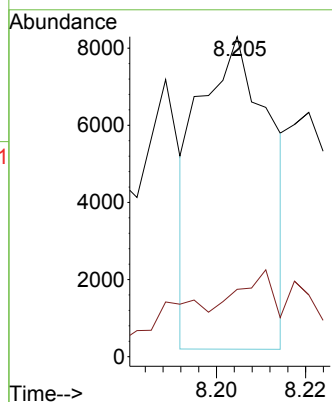
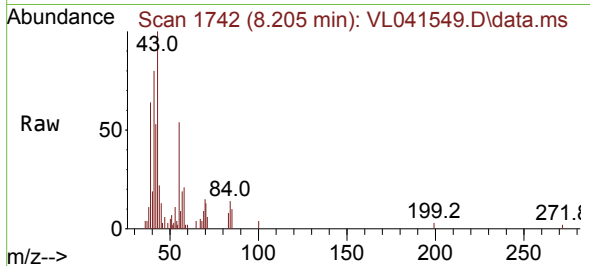




#50
 4-Methyl-2-Pentanone
 Concen: 0.044 ppbv
 RT: 8.205 min Scan# 1742
 Delta R.T. 0.007 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

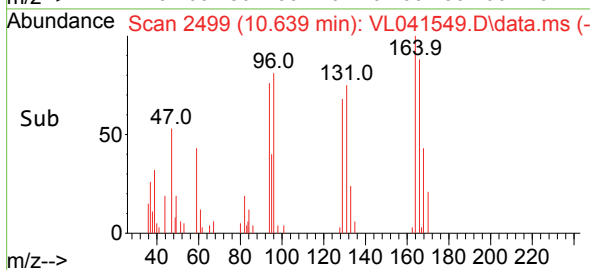
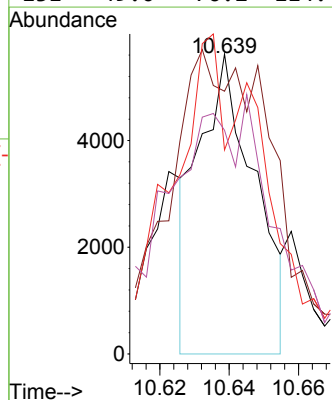
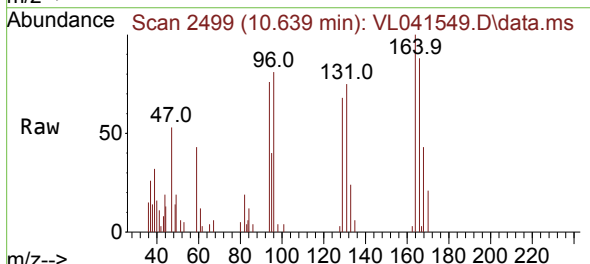
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

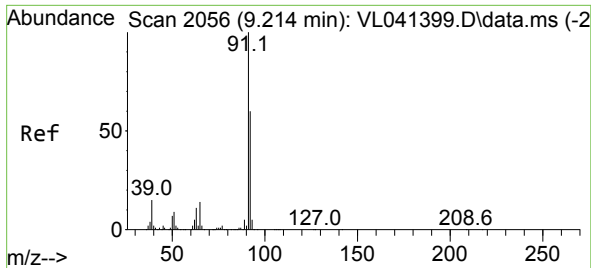
Tgt Ion: 43 Resp: 8965
 Ion Ratio Lower Upper
 43 100
 58 65.8 27.9 41.9#



#52
 Tetrachloroethene
 Concen: 0.084 ppbv
 RT: 10.639 min Scan# 2499
 Delta R.T. 0.003 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

Tgt Ion: 164 Resp: 6304
 Ion Ratio Lower Upper
 164 100
 166 30.5 101.1 151.7#
 129 46.7 81.7 122.5#
 131 49.0 76.2 114.4#

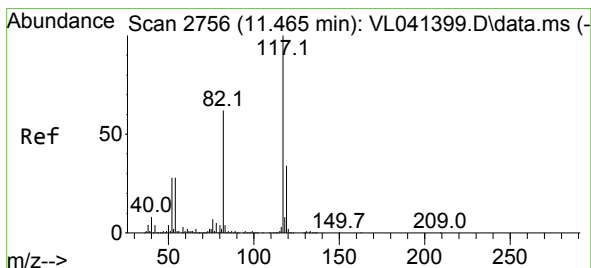
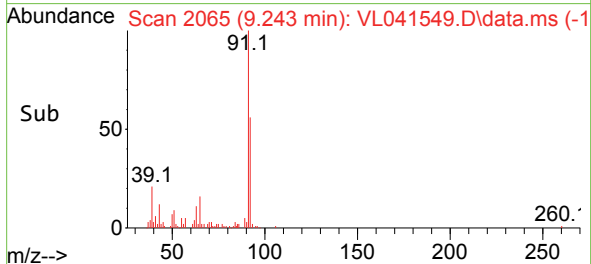
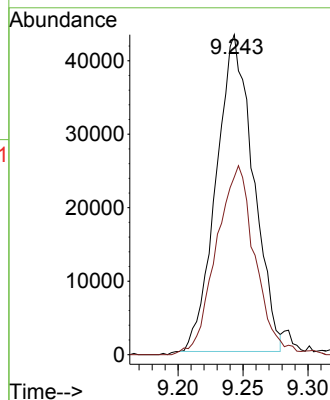
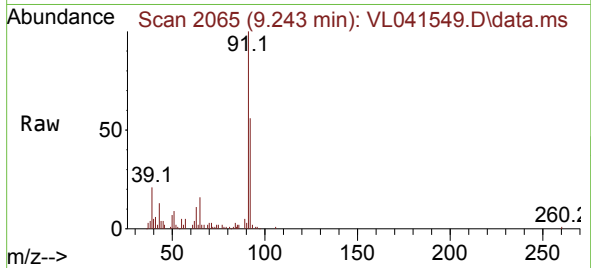




#53
Toluene
Concen: 0.399 ppbv
RT: 9.243 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

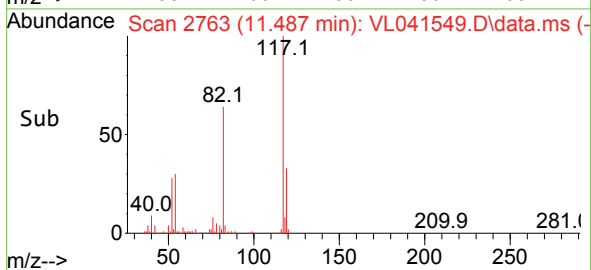
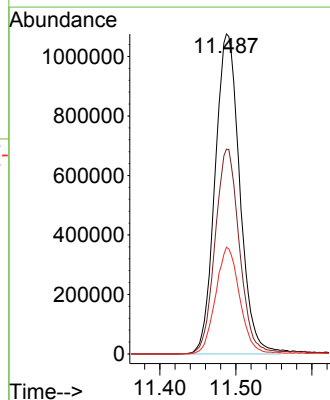
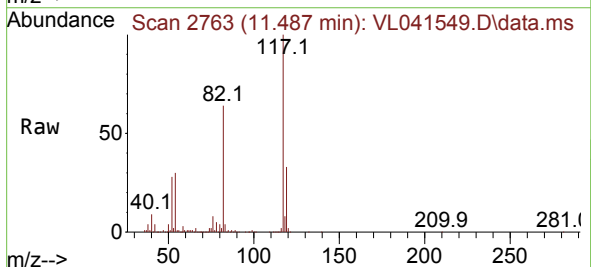
Instrument :
MSVOA_L
ClientSampleId :
IA1

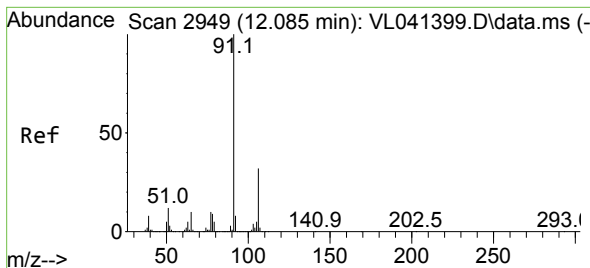
Tgt Ion: 91 Resp: 85799
Ion Ratio Lower Upper
91 100
92 62.8 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. -0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Tgt Ion: 117 Resp: 2422893
Ion Ratio Lower Upper
117 100
82 64.6 51.0 76.6
119 32.9 45.2 67.8#





#58

Ethyl Benzene

Concen: 0.107 ppbv

RT: 12.111 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Instrument :

MSVOA_L

ClientSampleId :

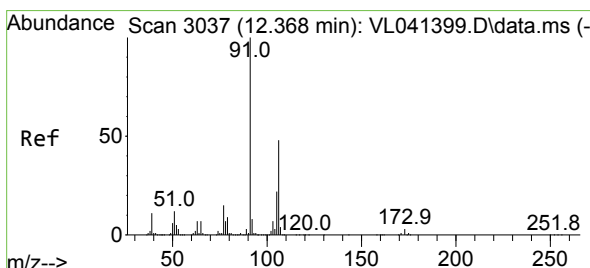
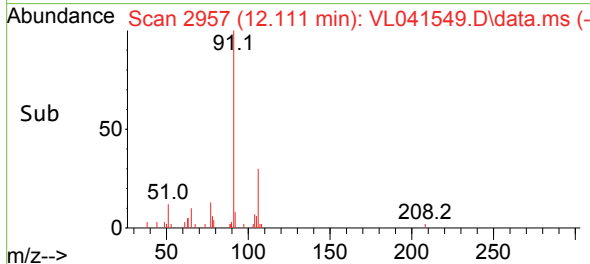
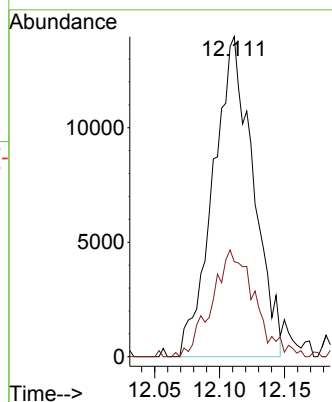
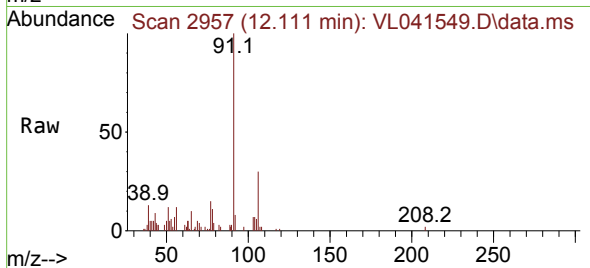
IA1

Tgt Ion: 91 Resp: 29979

Ion Ratio Lower Upper

91 100

106 29.6 25.8 38.8



#59

m/p-Xylene

Concen: 0.147 ppbv

RT: 12.388 min Scan# 3043

Delta R.T. -0.006 min

Lab File: VL041549.D

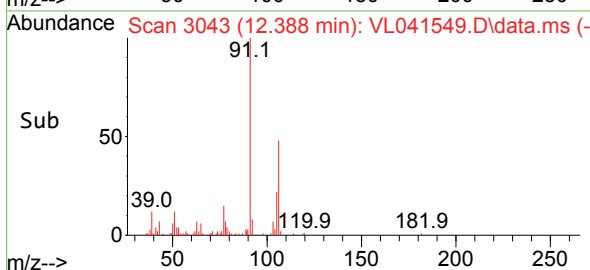
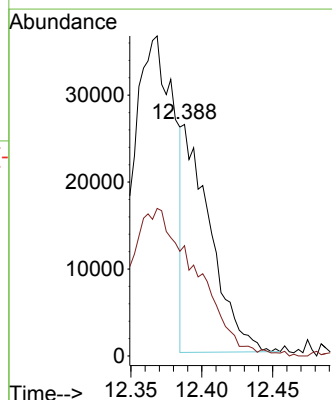
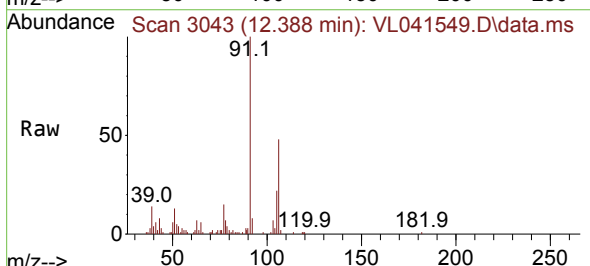
Acq: 19 Aug 2024 15:40

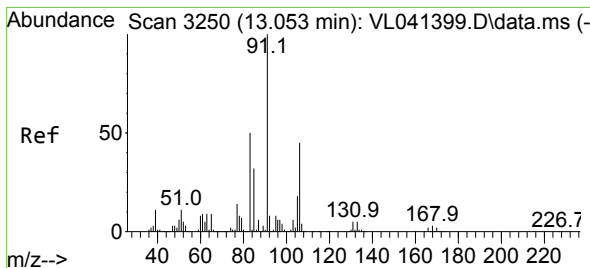
Tgt Ion: 91 Resp: 35384

Ion Ratio Lower Upper

91 100

106 0.0 36.3 54.5#





#60

o-Xylene

Concen: 0.101 ppbv

RT: 13.076 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Instrument :

MSVOA_L

ClientSampleId :

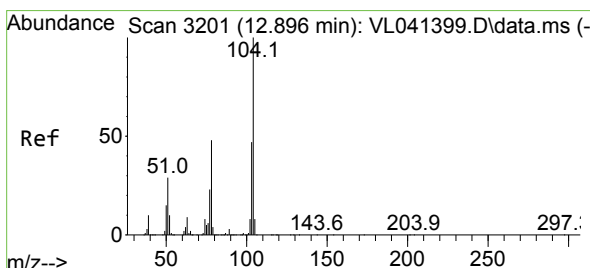
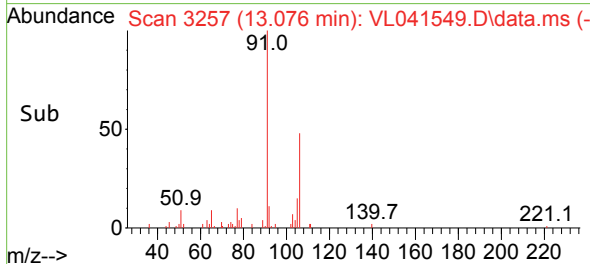
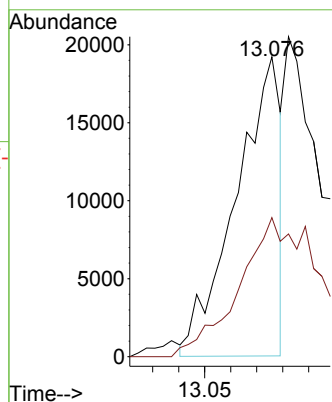
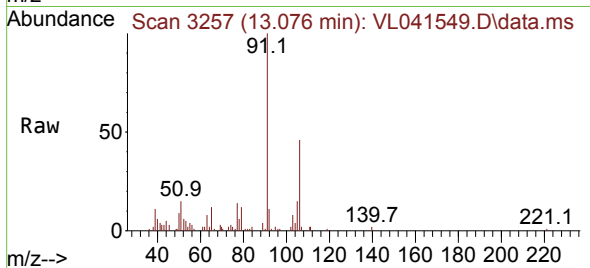
IA1

Tgt Ion: 91 Resp: 22951

Ion Ratio Lower Upper

91 100

106 86.9 23.1 69.3#



#61

Styrene

Concen: 0.090 ppbv

RT: 12.921 min Scan# 3209

Delta R.T. 0.003 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

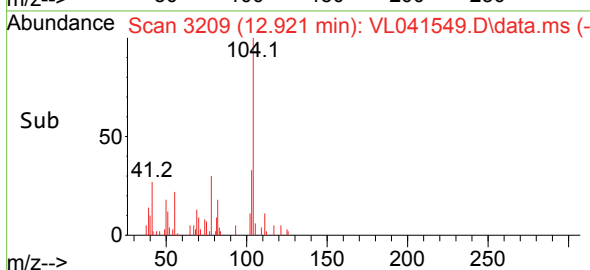
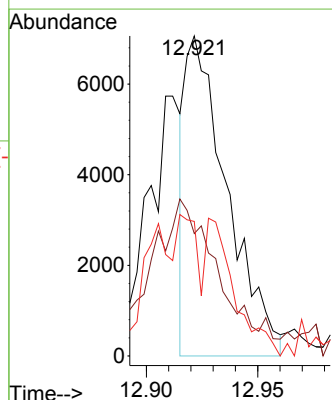
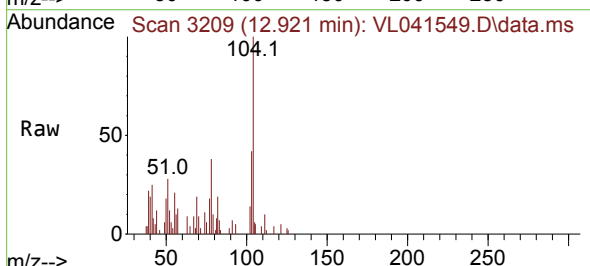
Tgt Ion:104 Resp: 9218

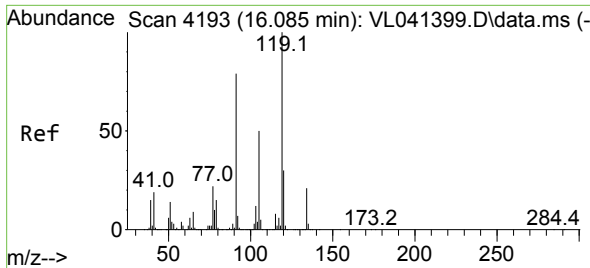
Ion Ratio Lower Upper

104 100

78 90.2 40.8 61.2#

103 87.5 38.2 57.4#

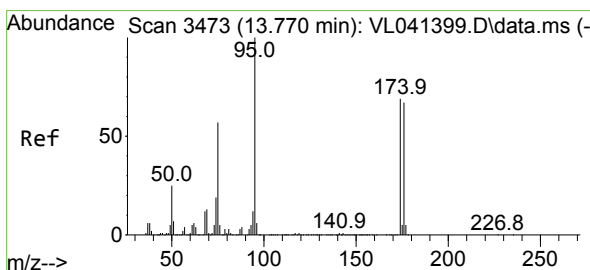
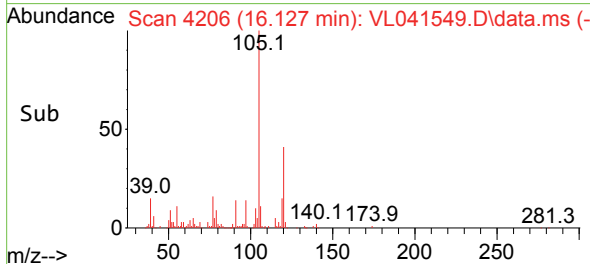
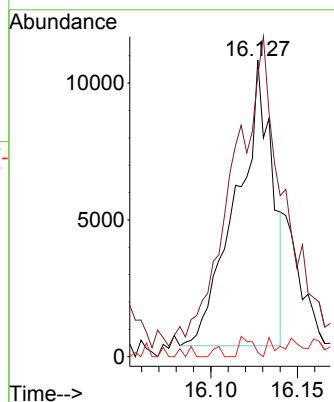
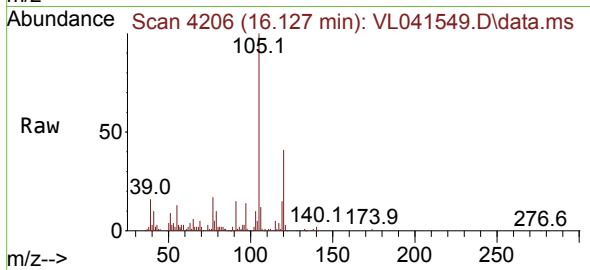




#65
 tert-Butylbenzene
 Concen: 0.048 ppbv
 RT: 16.127 min Scan# 4193
 Delta R.T. 0.016 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

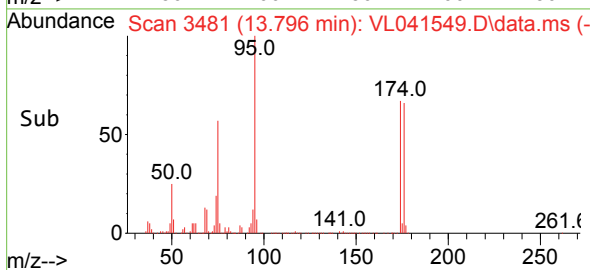
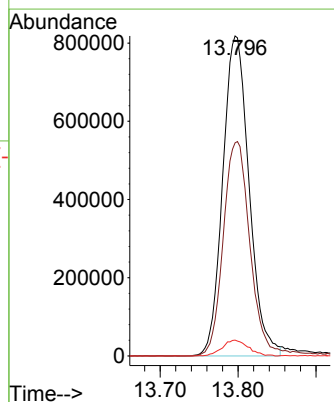
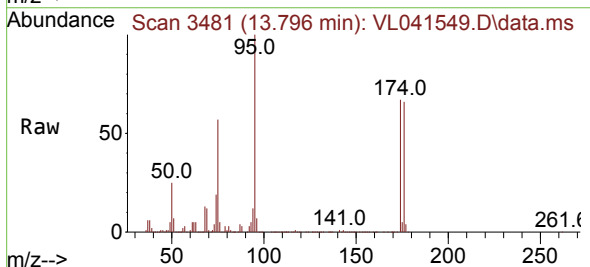
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

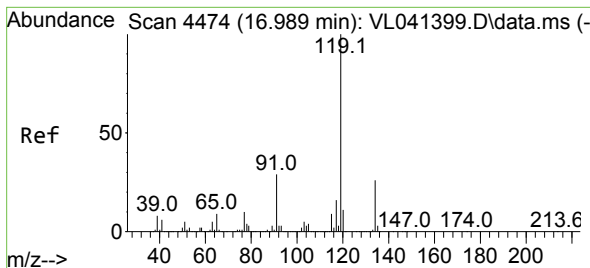
Tgt Ion: 119 Resp: 15022
 Ion Ratio Lower Upper
 119 100
 91 163.1 64.2 96.2#
 134 2.6 15.7 23.5#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.313 ppbv
 RT: 13.796 min Scan# 3481
 Delta R.T. -0.003 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

Tgt Ion: 95 Resp: 1922852
 Ion Ratio Lower Upper
 95 100
 174 69.7 56.3 84.5
 175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.447 ppbv

RT: 17.018 min Scan# 4474

Delta R.T. 0.000 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Instrument :

MSVOA_L

ClientSampleId :

IA1

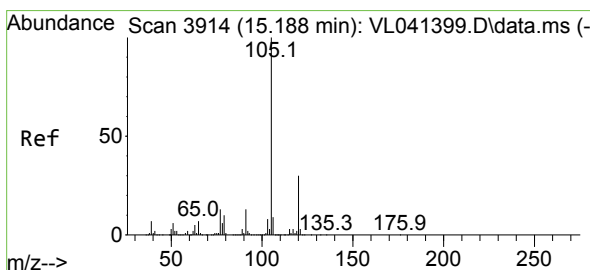
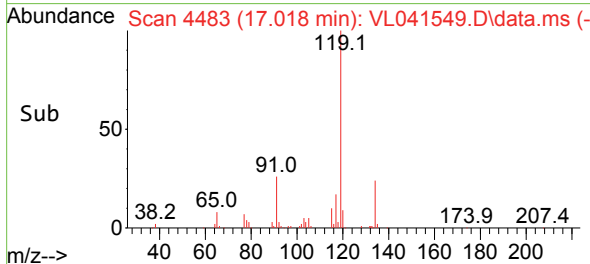
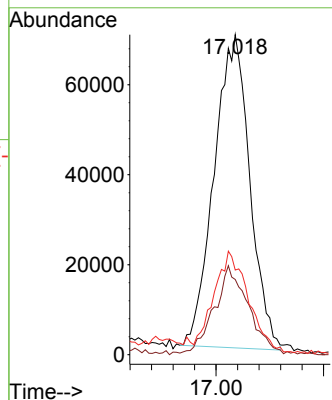
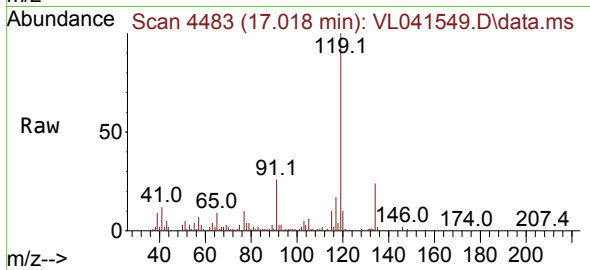
Tgt Ion:119 Resp: 160193

Ion Ratio Lower Upper

119 100

134 27.9 20.5 30.7

91 33.9 23.2 34.8



#72

4-Ethyltoluene

Concen: 0.167 ppbv

RT: 15.214 min Scan# 3922

Delta R.T. 0.000 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Tgt Ion:105 Resp: 44888

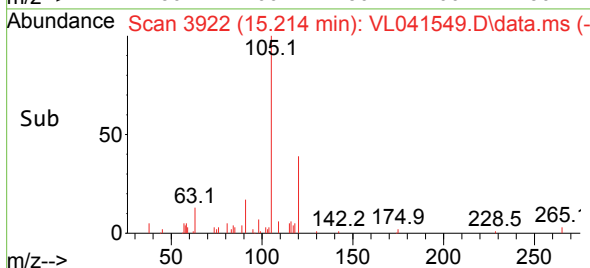
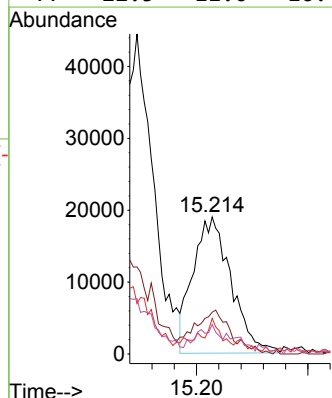
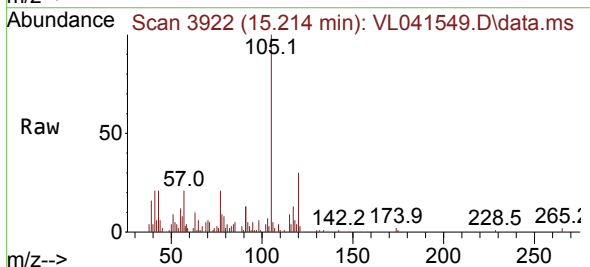
Ion Ratio Lower Upper

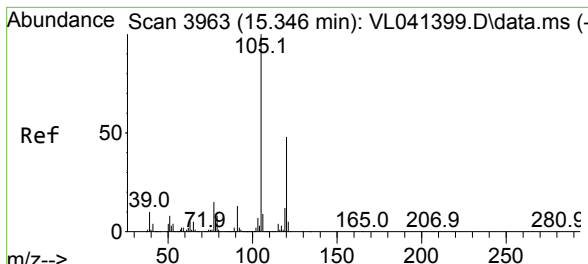
105 100

120 31.8 24.2 36.2

91 17.0 10.4 15.6#

77 22.5 11.0 16.4#

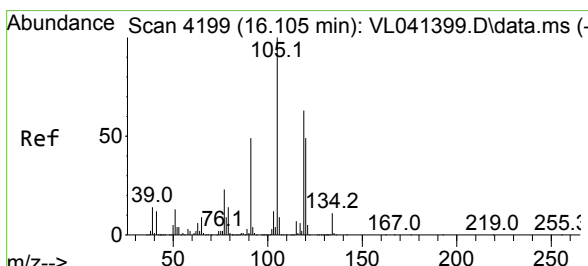
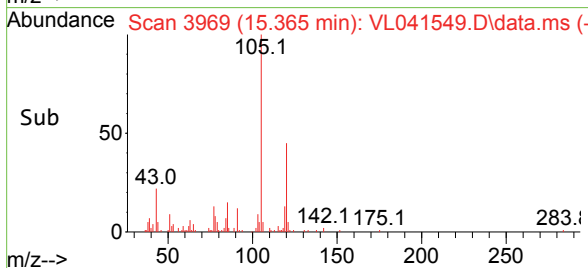
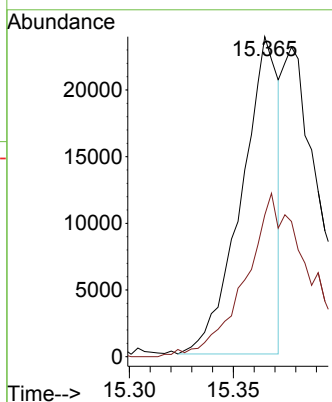
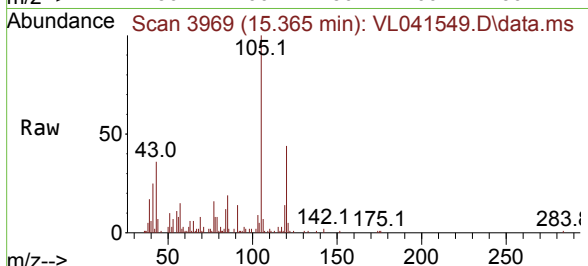




#73
 1,3,5-Trimethylbenzene
 Concen: 0.126 ppbv
 RT: 15.365 min Scan# 3969
 Delta R.T. -0.006 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

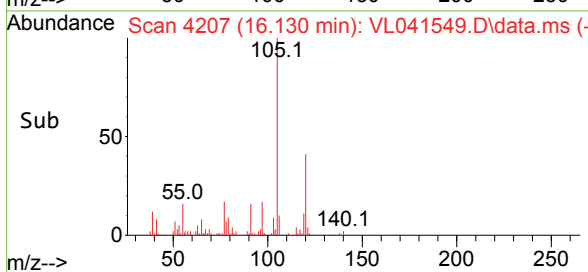
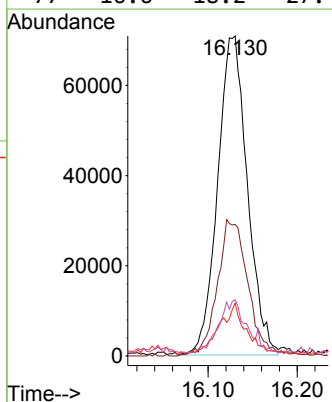
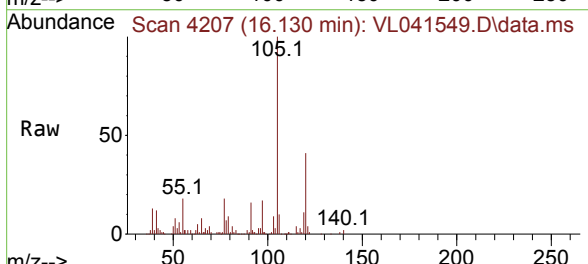
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

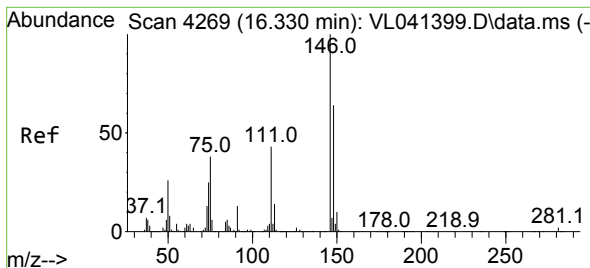
Tgt Ion:105 Resp: 29254
 Ion Ratio Lower Upper
 105 100
 120 42.4 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.611 ppbv
 RT: 16.130 min Scan# 4207
 Delta R.T. 0.003 min
 Lab File: VL041549.D
 Acq: 19 Aug 2024 15:40

Tgt Ion:105 Resp: 164218
 Ion Ratio Lower Upper
 105 100
 120 40.6 39.5 59.3
 91 16.1 39.8 59.8#
 77 16.6 18.2 27.4#





#75

1,3-Dichlorobenzene

Concen: 8.585 ppbv

RT: 16.494 min Scan# 41

Delta R.T. 0.138 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

Instrument :

MSVOA_L

ClientSampleId :

IA1

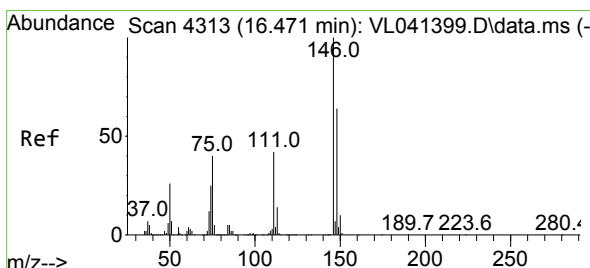
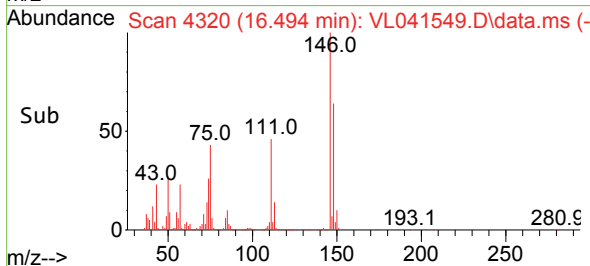
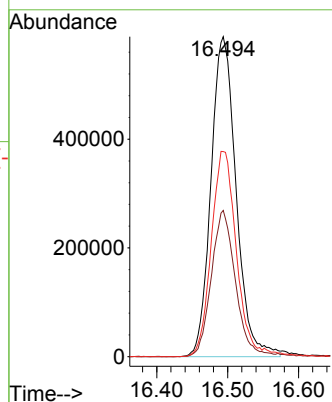
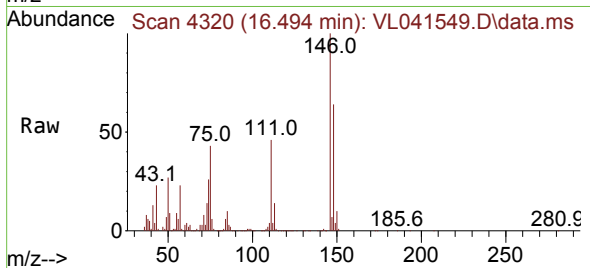
Tgt Ion:146 Resp: 1451235

Ion Ratio Lower Upper

146 100

111 44.2 22.6 67.8

148 65.1 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 8.867 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.000 min

Lab File: VL041549.D

Acq: 19 Aug 2024 15:40

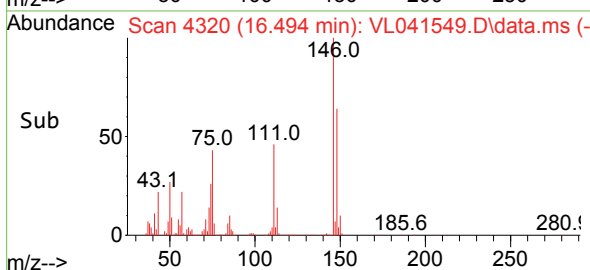
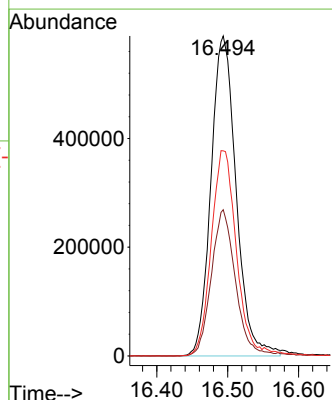
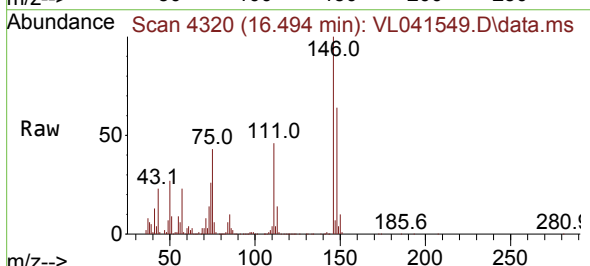
Tgt Ion:146 Resp: 1451235

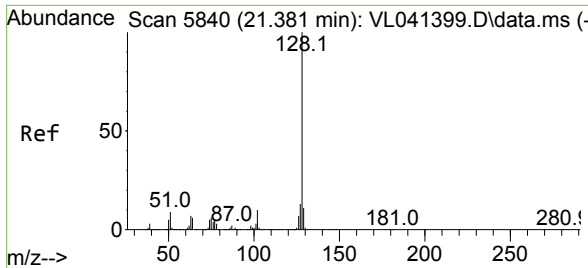
Ion Ratio Lower Upper

146 100

111 44.3 22.4 67.0

148 64.9 33.1 99.5





#79
Naphthalene
Concen: 9.021 ppbv
RT: 21.407 min Scan# 5848
Delta R.T. -0.003 min
Lab File: VL041549.D
Acq: 19 Aug 2024 15:40

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:128 Resp: 2141070
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 11.0 9.0 13.4

