

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041290.D
 Acq On : 24 May 2024 14:21
 Operator : SY/MD
 Sample : P2599-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 24 23:21:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 24 23:11:50 2024
 Response via : Initial Calibration

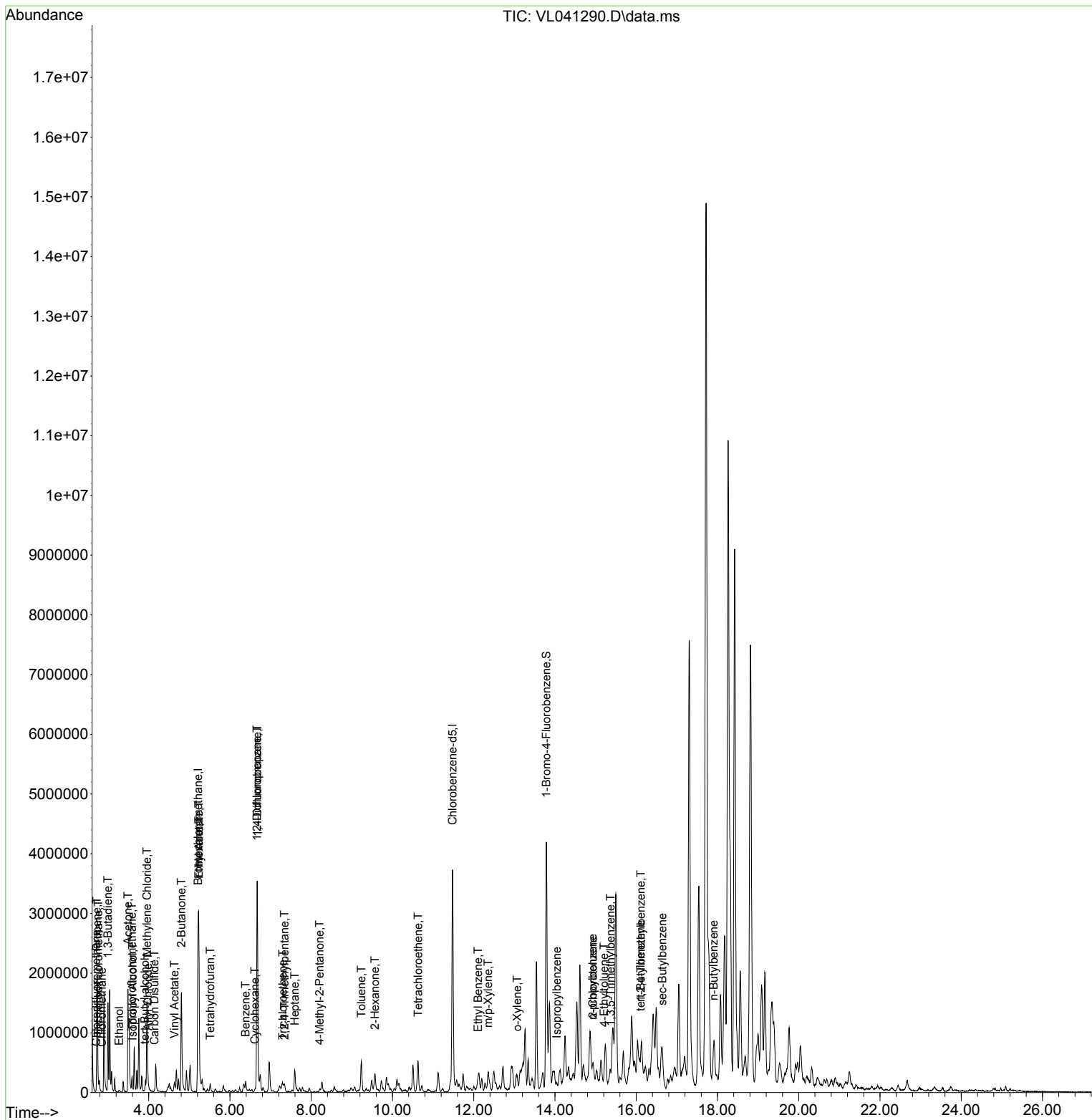
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

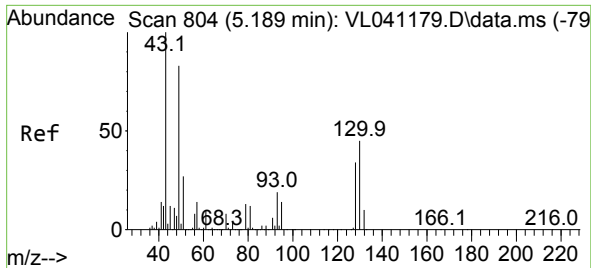
Internal Standards						
1) Bromochloromethane	5.214	49	1043984	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2625311	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2434493	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1955051	10.637	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 106.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	17987	0.127	ppbv	95
3) Chlorodifluoromethane	2.703	51	17169	0.108	ppbv	95
4) Chloromethane	2.845	50	5925	0.095	ppbv	95
9) Propene	2.726	41	734570	11.838	ppbv	86
10) Heptane	7.594	43	176915	1.177	ppbv	97
11) Trichlorofluoromethane	3.591	101	133907	0.933	ppbv	98
13) Ethanol	3.272	45	37848	2.721	ppbv	96
15) Acetone	3.491	43	1985588	16.116	ppbv	97
16) 1,3-Butadiene	2.996	39	369825	5.946	ppbv #	20
17) tert-Butyl alcohol	3.906	59	7759	0.058	ppbv #	72
19) Isopropyl Alcohol	3.603	45	12929	0.160	ppbv #	41
20) Methylene Chloride	3.957	84	470793	10.988	ppbv	96
21) Allyl Chloride	3.983	41	7212	0.090	ppbv #	1
23) Vinyl Acetate	4.632	43	43158	0.318	ppbv #	1
25) Ethyl Acetate	5.234	43	684948	2.785	ppbv #	77
26) Hexane	5.230	57	976318	8.896	ppbv #	41
27) Carbon Disulfide	4.144	76	38504	0.296	ppbv #	80
30) Cyclohexane	6.616	84	9070	0.104	ppbv #	1
34) 2-Butanone	4.806	43	2024688	15.152	ppbv	99
36) Benzene	6.388	78	134932	0.612	ppbv	92
38) Trichloroethene	7.304	130	2850	0.035	ppbv #	53
39) 1,2-Dichloropropane	6.668	63	676470	7.967	ppbv #	25
41) Tetrahydrofuran	5.513	42	25638	0.265	ppbv #	40
44) 2,2,4-Trimethylpentane	7.343	57	83013	0.219	ppbv #	63
50) 4-Methyl-2-Pentanone	8.208	43	20174	0.084	ppbv #	85
51) 2-Hexanone	9.571	43	302292	1.699	ppbv #	93
52) Tetrachloroethene	10.632	164	122713	1.585	ppbv	94
53) Toluene	9.237	91	373970	1.464	ppbv	100
58) Ethyl Benzene	12.108	91	43824	0.131	ppbv	93
59) m/p-Xylene	12.355	91	176960	0.631	ppbv #	56
60) o-Xylene	13.069	91	150321	0.572	ppbv	100
62) Isopropylbenzene	14.044	105	16833	0.043	ppbv #	50
64) n-propylbenzene	14.928	120	8068	0.082	ppbv #	1
65) tert-Butylbenzene	16.108	119	13626	0.039	ppbv #	18
67) sec-Butylbenzene	16.645	105	20770	0.042	ppbv	93
70) n-Butylbenzene	17.905	91	28793	0.067	ppbv #	77
71) 2-Chlorotoluene	14.934	91	37879	0.126	ppbv	90
72) 4-Ethyltoluene	15.207	105	35399	0.119	ppbv #	35
73) 1,3,5-Trimethylbenzene	15.368	105	48858	0.181	ppbv	96
74) 1,2,4-Trimethylbenzene	16.117	105	157339	0.535	ppbv #	70

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 24 23:21:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 24 23:11:50 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.214 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

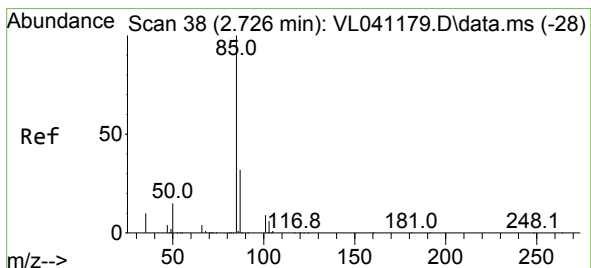
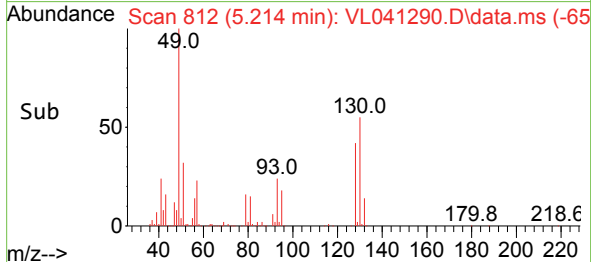
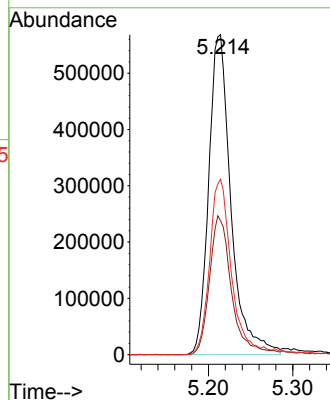
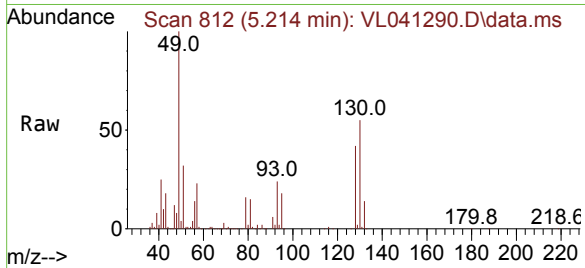
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 49 Resp: 1043984

Ion	Ratio	Lower	Upper
49	100		
128	43.6	21.5	64.5
130	55.9	27.2	81.6



#2

Dichlorodifluoromethane

Concen: 0.127 ppbv

RT: 2.761 min Scan# 49

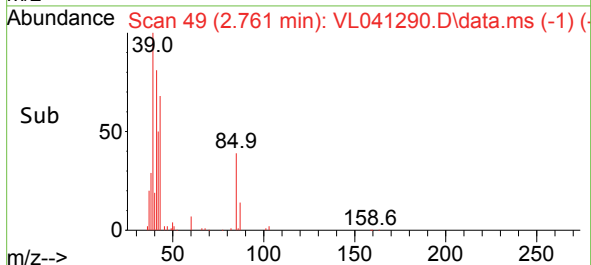
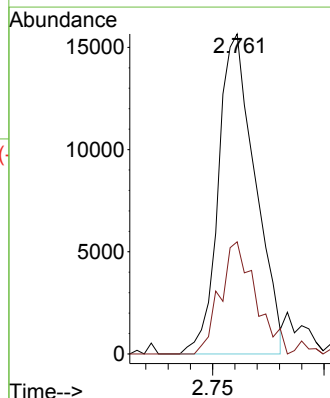
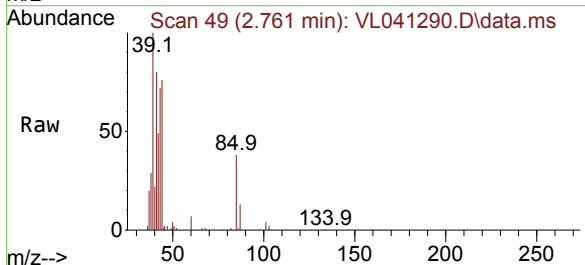
Delta R.T. 0.006 min

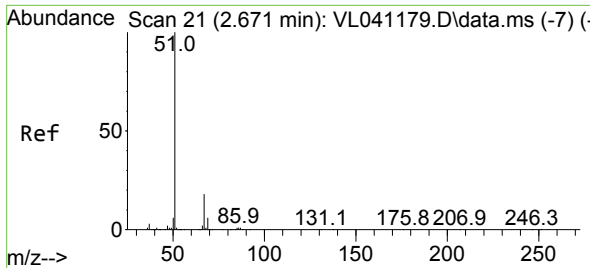
Lab File: VL041290.D

Acq: 24 May 2024 14:21

Tgt Ion: 85 Resp: 17987

Ion	Ratio	Lower	Upper
85	100		
87	35.0	25.7	38.5

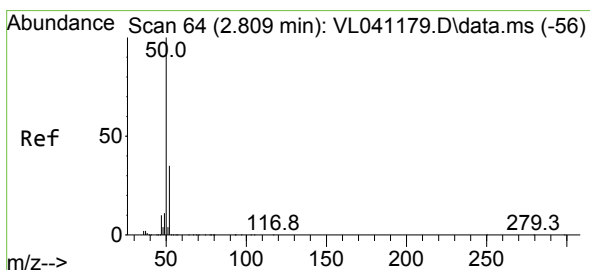
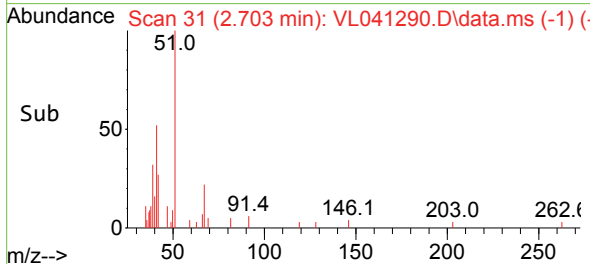
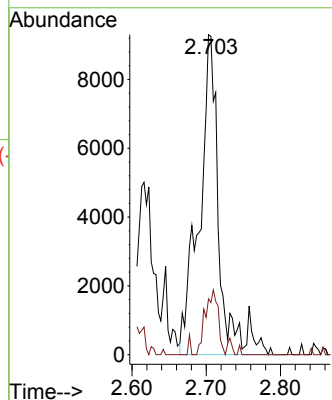
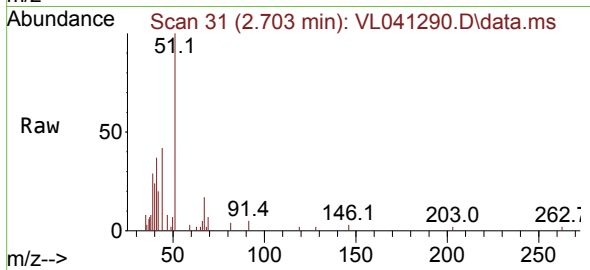




#3
Chlorodifluoromethane
Concen: 0.108 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

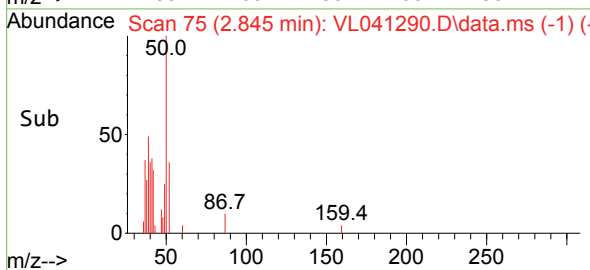
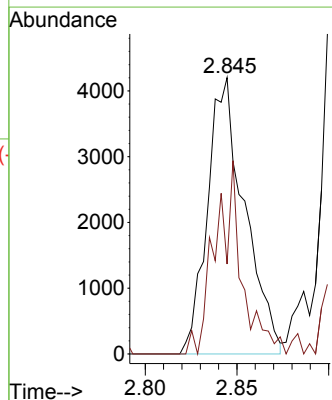
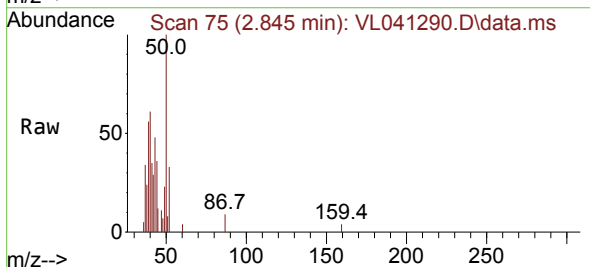
Instrument :
MSVOA_L
ClientSampleId :

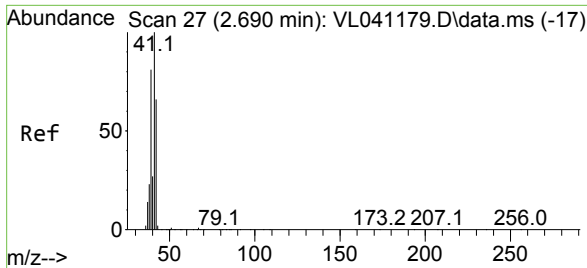
Tgt Ion: 51 Resp: 17169
Ion Ratio Lower Upper
51 100
67 15.2 14.0 21.0



#4
Chloromethane
Concen: 0.095 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 50 Resp: 5925
Ion Ratio Lower Upper
50 100
52 32.5 28.3 42.5

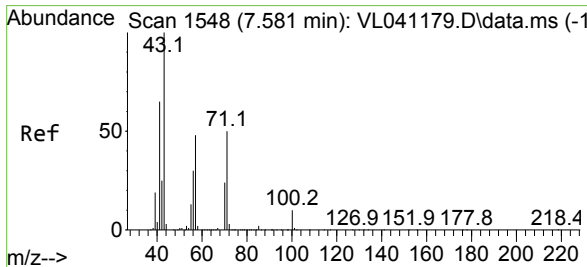
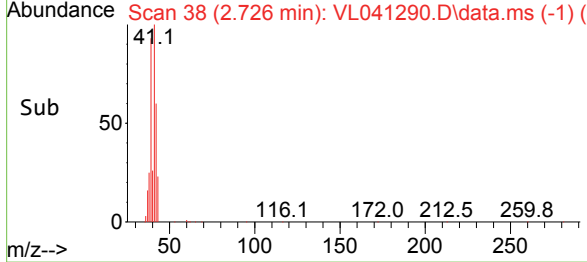
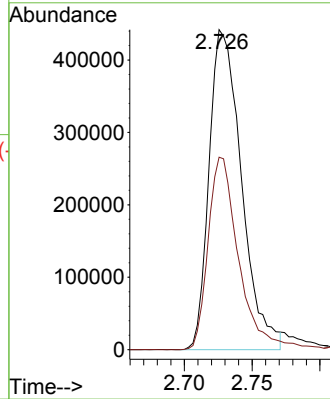
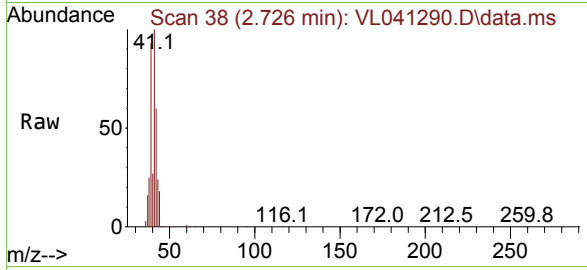




#9
Propene
Concen: 11.838 ppbv
RT: 2.726 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

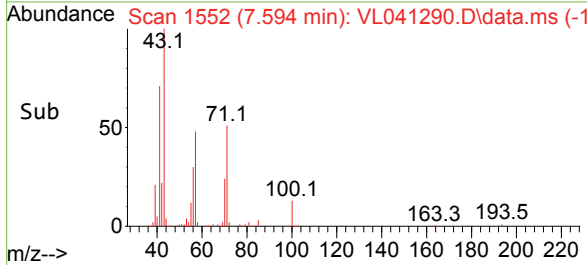
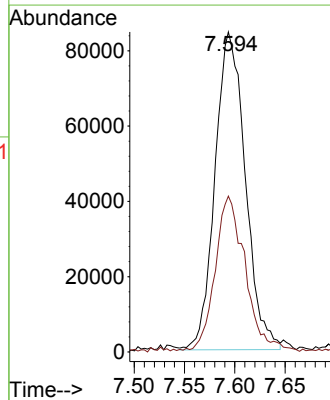
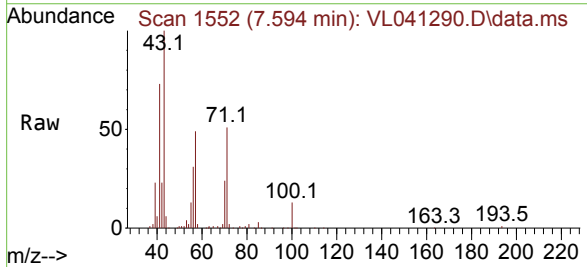
Instrument :
MSVOA_L
ClientSampleId :

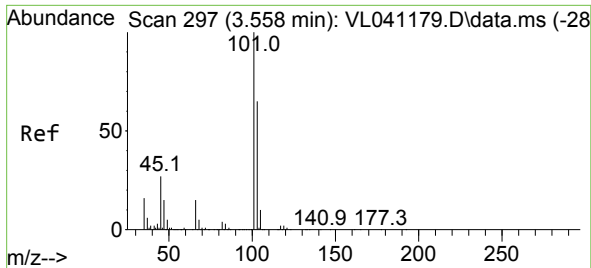
Tgt Ion: 41 Resp: 734570
Ion Ratio Lower Upper
41 100
42 57.6 55.3 82.9



#10
Heptane
Concen: 1.177 ppbv
RT: 7.594 min Scan# 1552
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 43 Resp: 176915
Ion Ratio Lower Upper
43 100
57 50.4 38.7 58.1

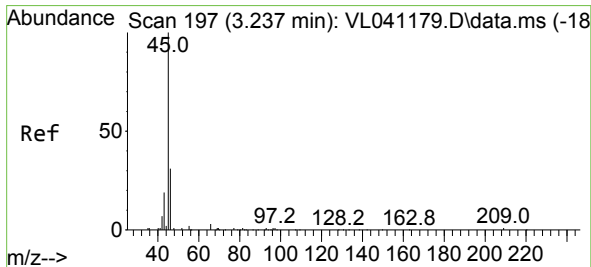
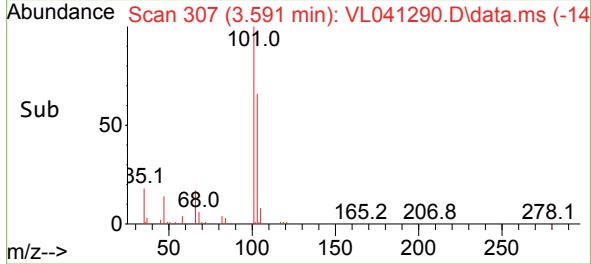
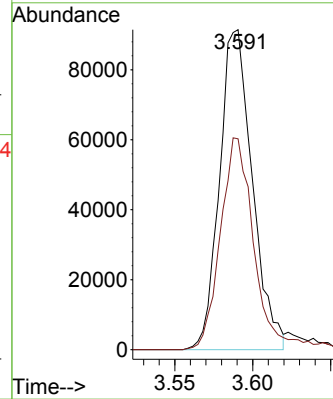
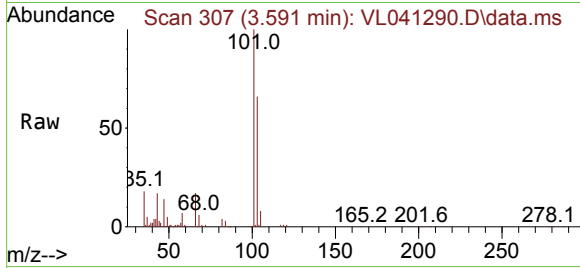




#11
 Trichlorofluoromethane
 Concen: 0.933 ppbv
 RT: 3.591 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: VL041290.D
 Acq: 24 May 2024 14:21

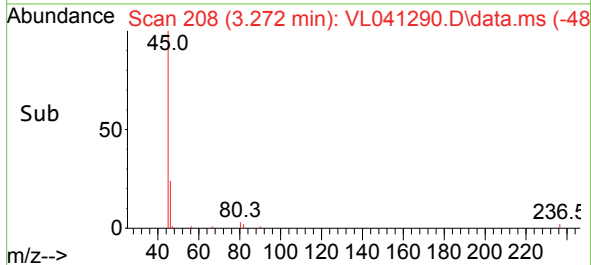
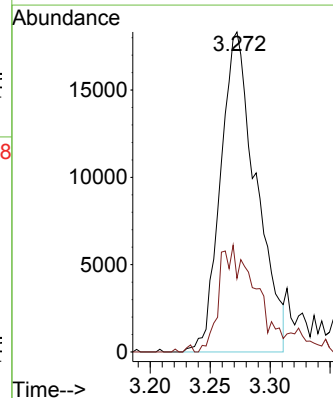
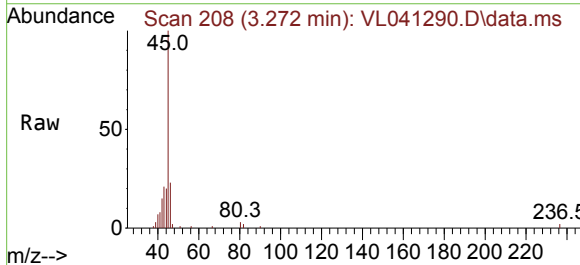
Instrument :
 MSVOA_L
 ClientSampleId :

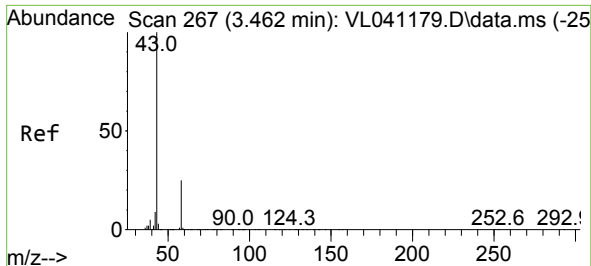
Tgt Ion:101 Resp: 133907
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.6 77.4



#13
 Ethanol
 Concen: 2.721 ppbv
 RT: 3.272 min Scan# 208
 Delta R.T. 0.013 min
 Lab File: VL041290.D
 Acq: 24 May 2024 14:21

Tgt Ion: 45 Resp: 37848
 Ion Ratio Lower Upper
 45 100
 46 39.1 14.8 59.0

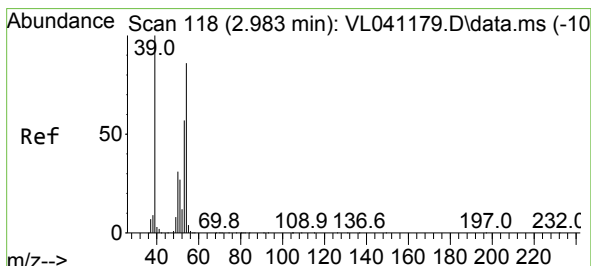
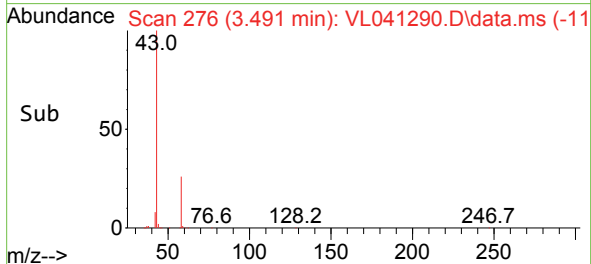
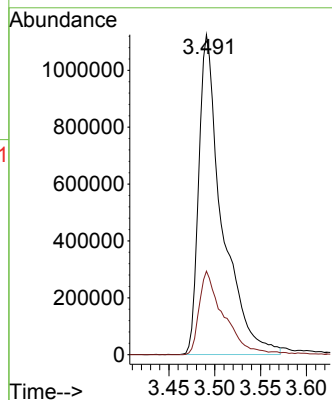
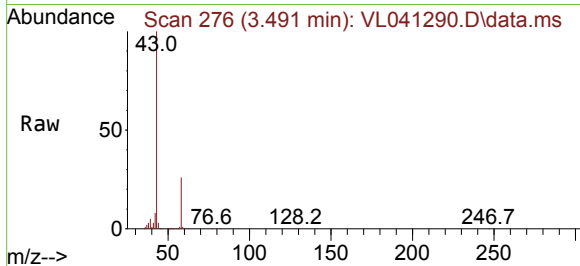




#15
Acetone
Concen: 16.116 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

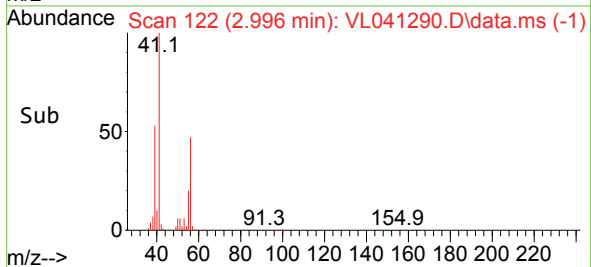
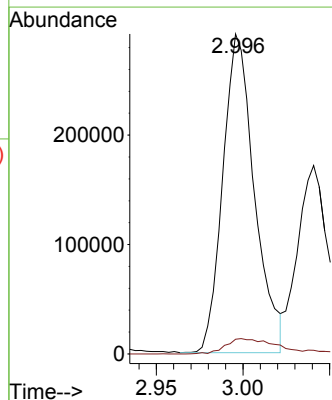
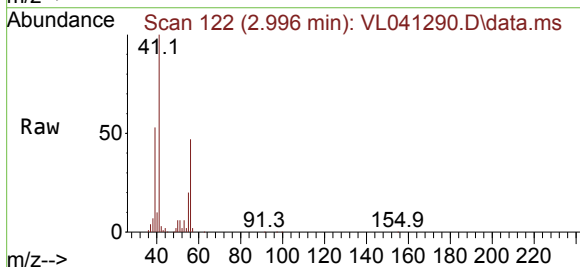
Instrument :
MSVOA_L
ClientSampleId :

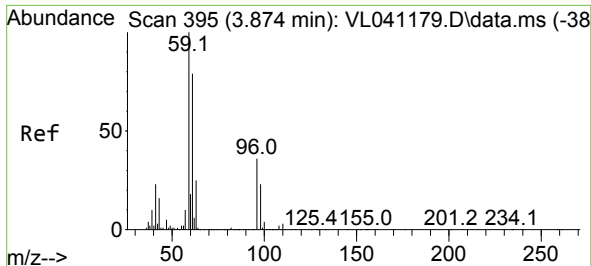
Tgt Ion: 43 Resp: 1985588
Ion Ratio Lower Upper
43 100
58 28.4 21.4 32.0



#16
1,3-Butadiene
Concen: 5.946 ppbv
RT: 2.996 min Scan# 122
Delta R.T. -0.013 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 39 Resp: 369825
Ion Ratio Lower Upper
39 100
54 8.4 62.2 93.4#





#17

tert-Butyl alcohol

Concen: 0.058 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.010 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

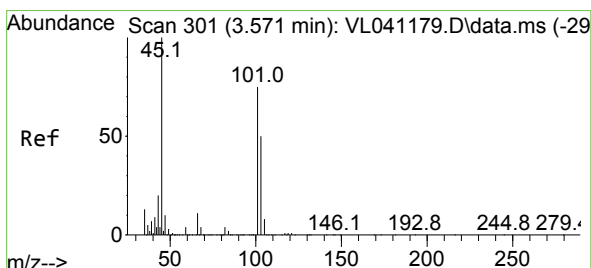
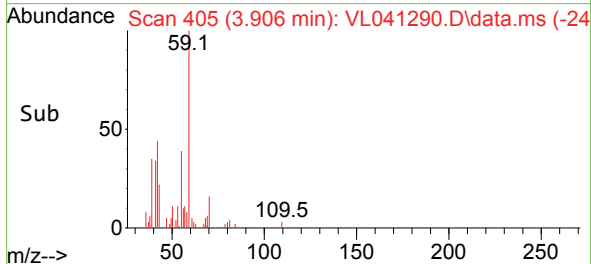
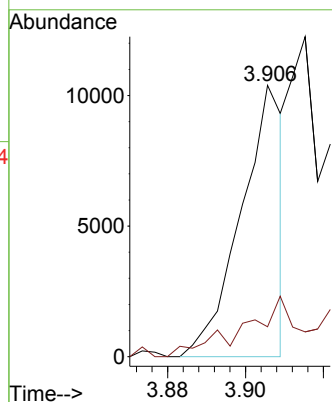
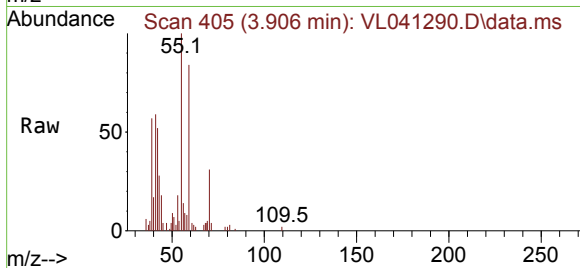
ClientSampleId :

Tgt Ion: 59 Resp: 7759

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 0.160 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.010 min

Lab File: VL041290.D

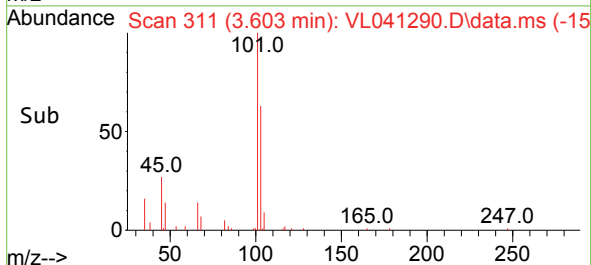
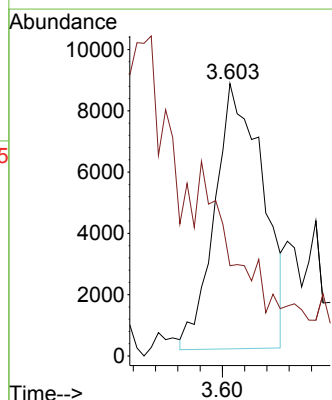
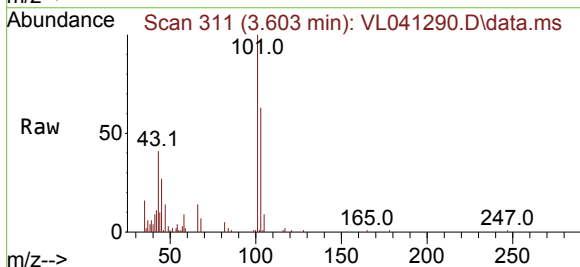
Acq: 24 May 2024 14:21

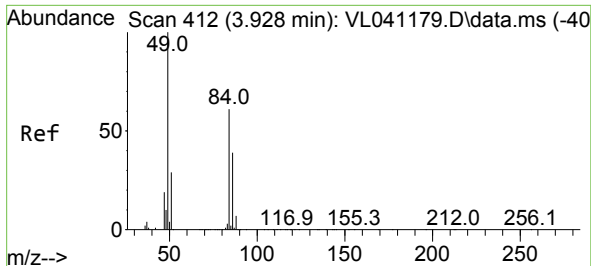
Tgt Ion: 45 Resp: 12929

Ion Ratio Lower Upper

45 100

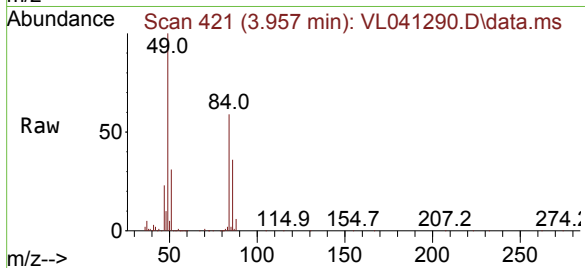
58 0.0 26.8 40.2#



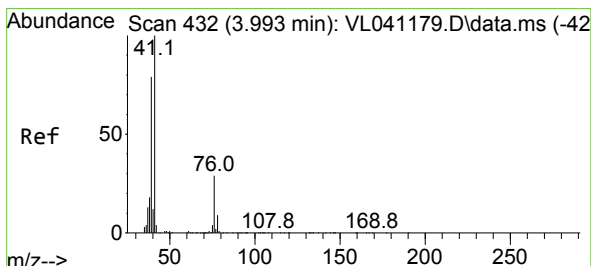
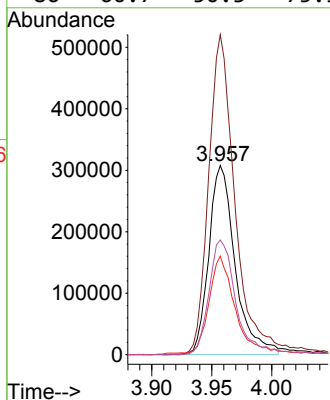
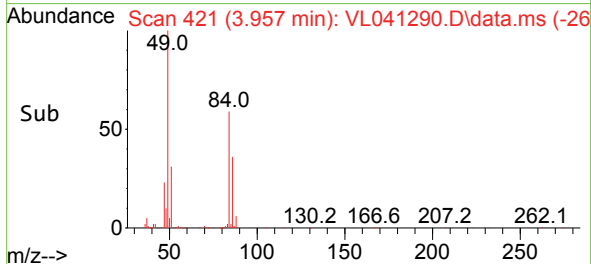


#20
Methylene Chloride
Concen: 10.988 ppbv
RT: 3.957 min Scan# 412
Delta R.T. 0.006 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Instrument :
MSVOA_L
ClientSampleId :

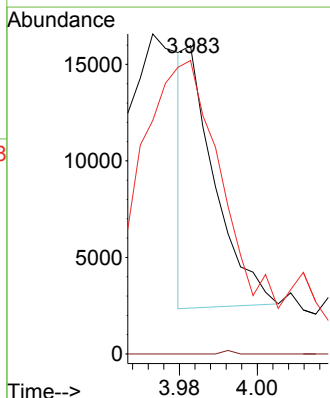
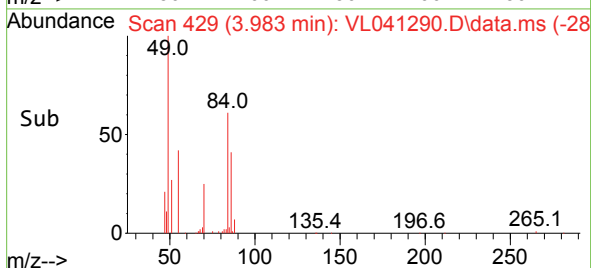
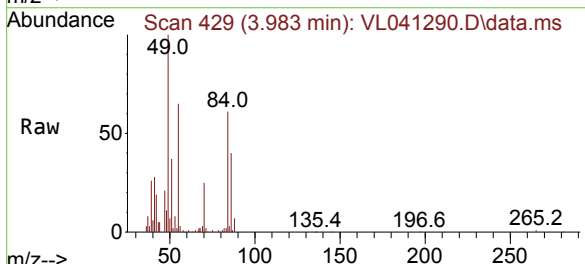


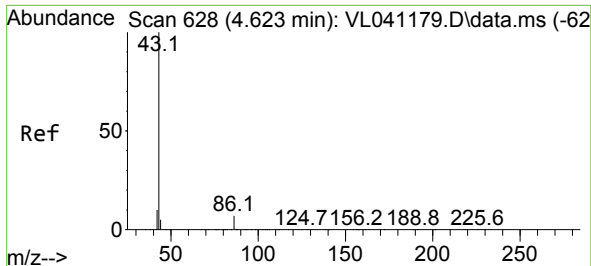
Tgt Ion:	84	Resp:	470793
Ion	Ratio	Lower	Upper
84	100		
49	168.9	130.4	195.6
51	51.3	38.0	57.0
86	60.7	50.3	75.5



#21
Allyl Chloride
Concen: 0.090 ppbv
RT: 3.983 min Scan# 429
Delta R.T. -0.032 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion:	41	Resp:	7212
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.7	35.5#
39	373.7	64.7	97.1#

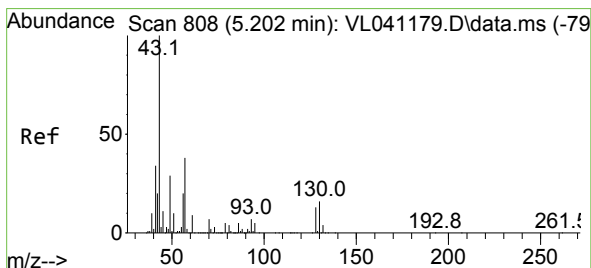
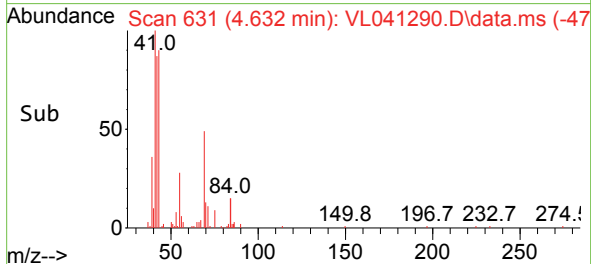
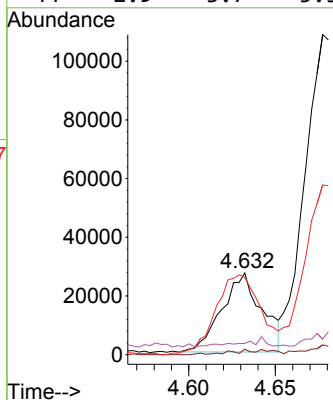
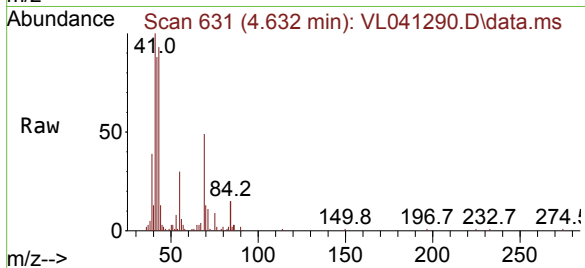




#23
 Vinyl Acetate
 Concen: 0.318 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL041290.D
 Acq: 24 May 2024 14:21

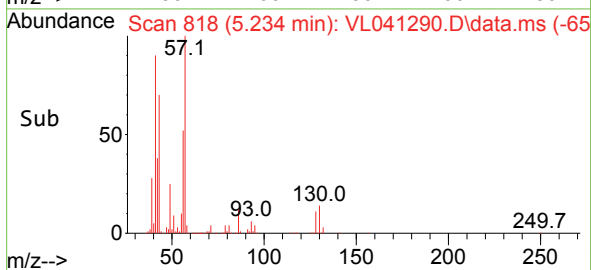
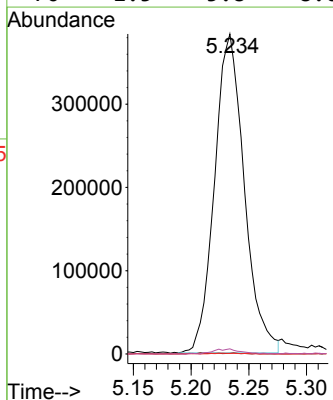
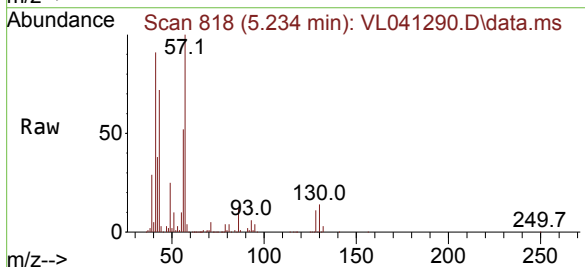
Instrument :
 MSVOA_L
 ClientSampleId :

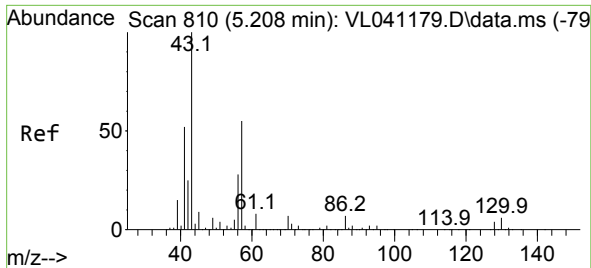
Tgt Ion: 43	Resp: 43158
Ion Ratio	Lower Upper
43 100	
86 6.9	4.9 7.3
42 96.0	8.0 12.0#
44 2.9	3.7 5.5#



#25
 Ethyl Acetate
 Concen: 2.785 ppbv
 RT: 5.234 min Scan# 818
 Delta R.T. 0.016 min
 Lab File: VL041290.D
 Acq: 24 May 2024 14:21

Tgt	Ion: 43	Resp: 684948	
Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.2	12.2#
61	0.3	7.7	11.5#
70	1.5	5.8	8.6#

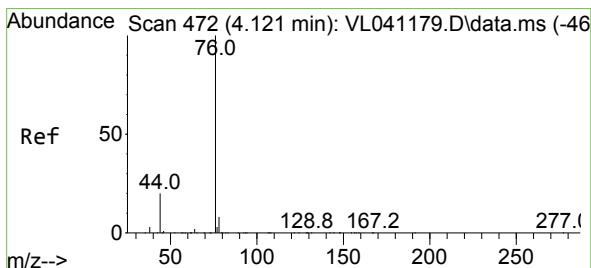
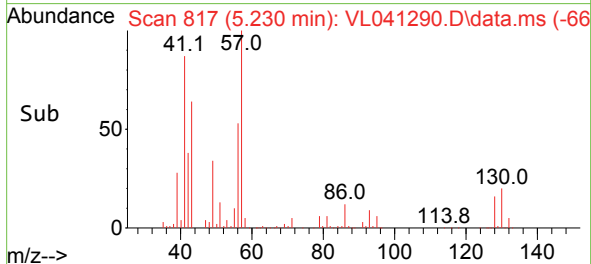
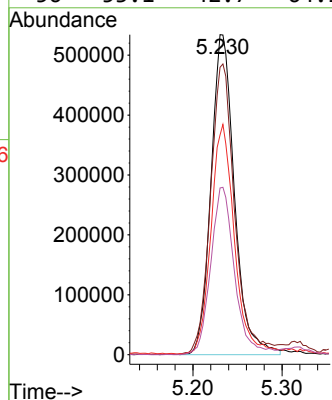
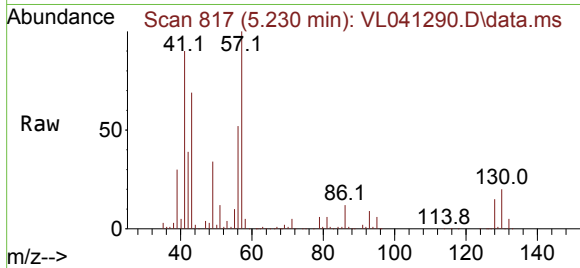




#26
Hexane
Concen: 8.896 ppbv
RT: 5.230 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

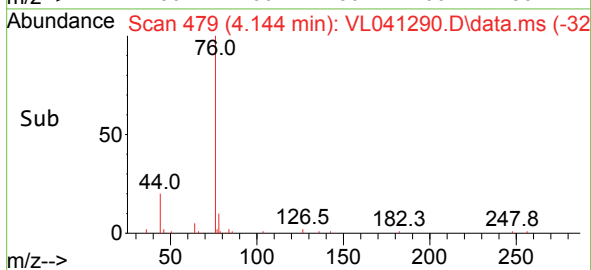
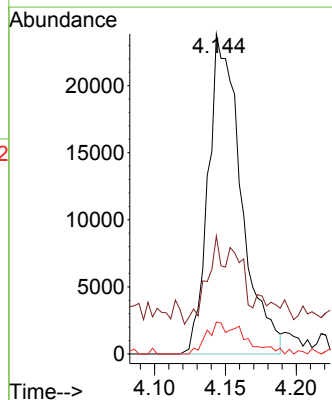
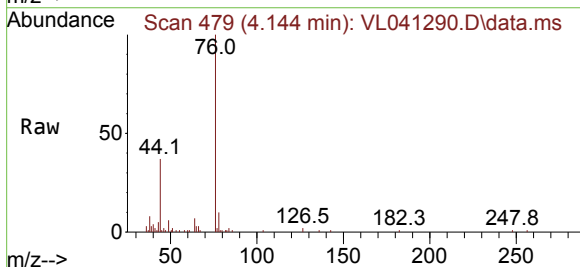
Instrument :
MSVOA_L
ClientSampleId :

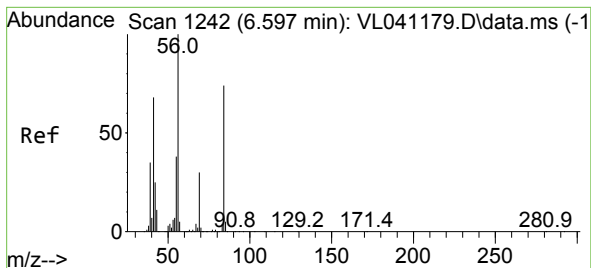
Tgt Ion: 57 Resp: 976318
Ion Ratio Lower Upper
57 100
41 94.1 75.8 113.8
43 73.7 187.0 280.4#
56 53.1 42.7 64.1



#27
Carbon Disulfide
Concen: 0.296 ppbv
RT: 4.144 min Scan# 479
Delta R.T. 0.000 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 76 Resp: 38504
Ion Ratio Lower Upper
76 100
44 32.3 16.3 24.5#
78 11.6 7.3 10.9#

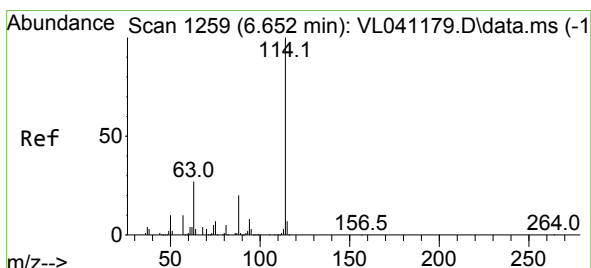
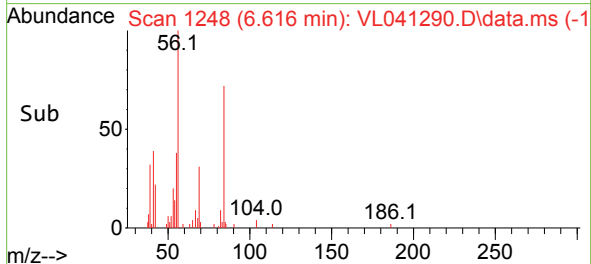
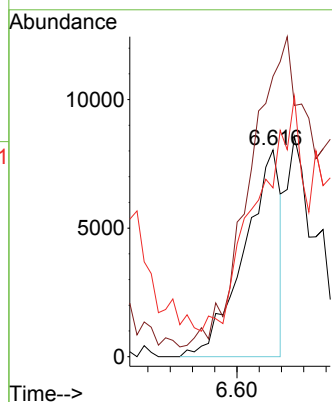
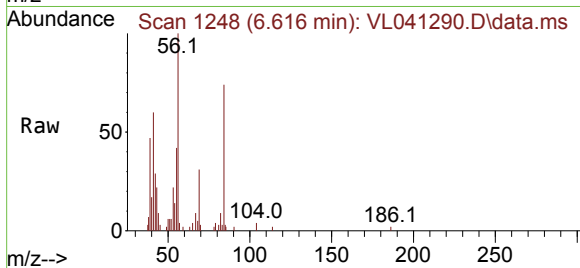




#30
Cyclohexane
Concen: 0.104 ppbv
RT: 6.616 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

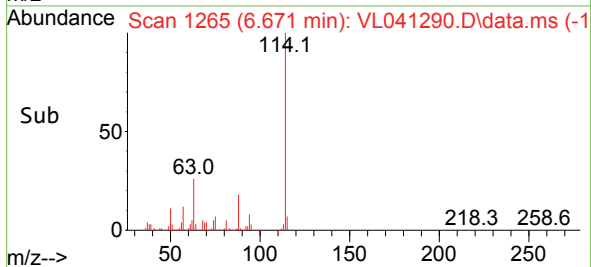
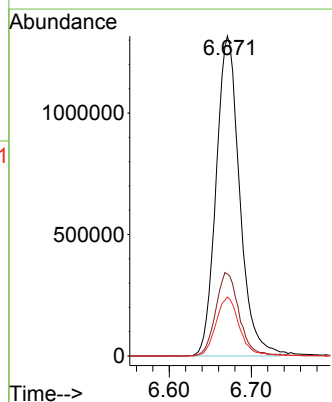
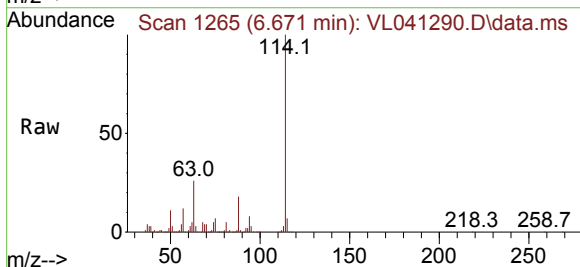
Instrument :
MSVOA_L
ClientSampleId :

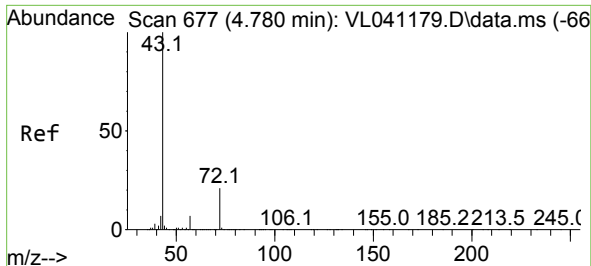
Tgt Ion: 84 Resp: 9070
Ion Ratio Lower Upper
84 100
56 0.0 116.8 175.2#
41 0.0 73.8 110.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 114 Resp: 2625311
Ion Ratio Lower Upper
114 100
63 26.3 21.8 32.6
88 18.5 15.2 22.8

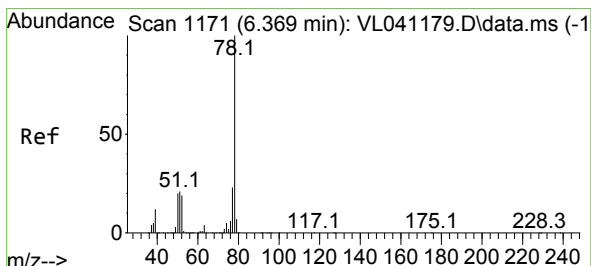
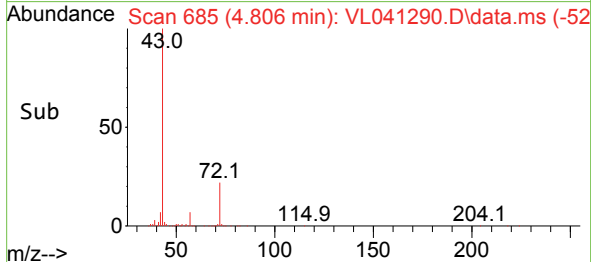
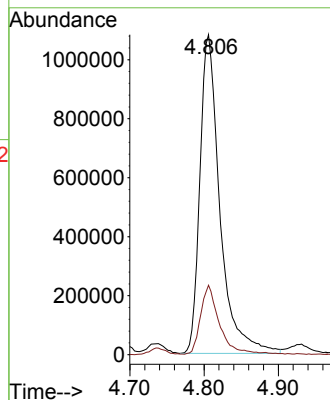
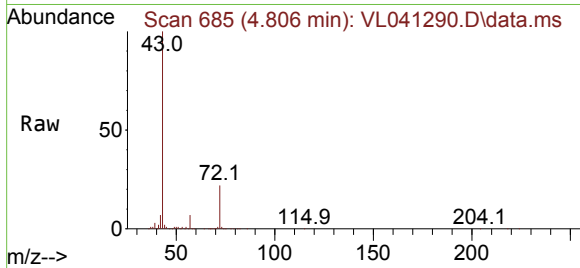




#34
2-Butanone
Concen: 15.152 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

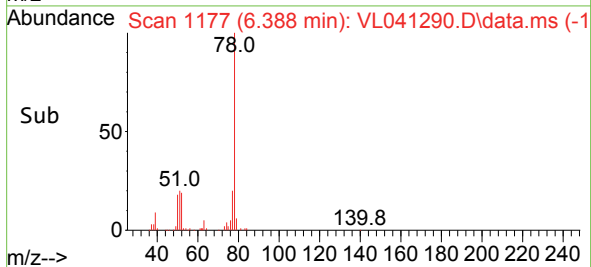
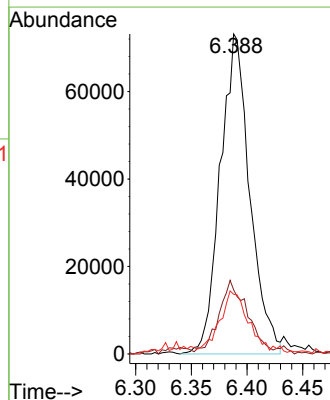
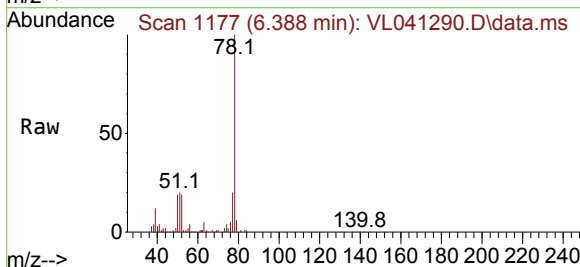
Instrument :
MSVOA_L
ClientSampleId :

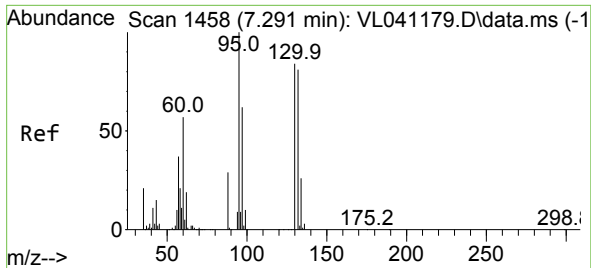
Tgt Ion: 43 Resp: 2024688
Ion Ratio Lower Upper
43 100
72 21.0 17.3 25.9



#36
Benzene
Concen: 0.612 ppbv
RT: 6.388 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 78 Resp: 134932
Ion Ratio Lower Upper
78 100
77 18.5 18.3 27.5
50 16.3 15.9 23.9

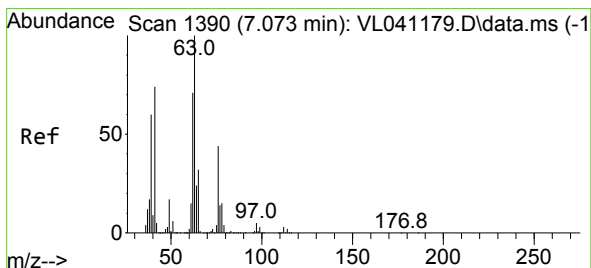
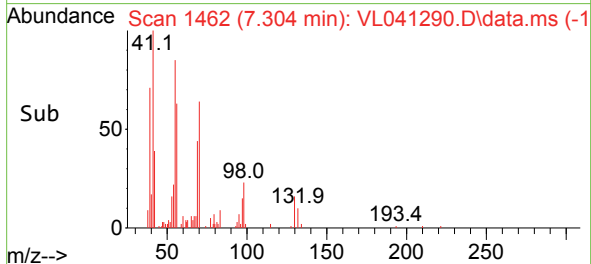
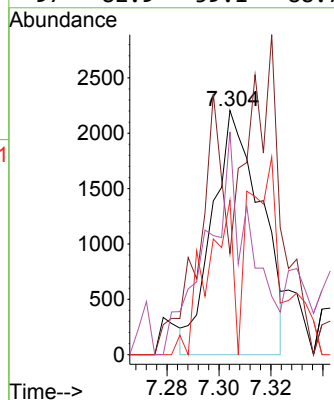
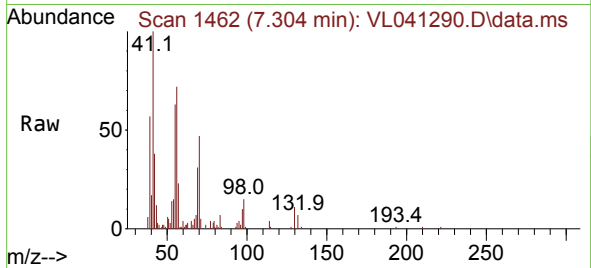




#38
 Trichloroethene
 Concen: 0.035 ppbv
 RT: 7.304 min Scan# 1458
 Delta R.T. 0.003 min
 Lab File: VL041290.D
 Acq: 24 May 2024 14:21

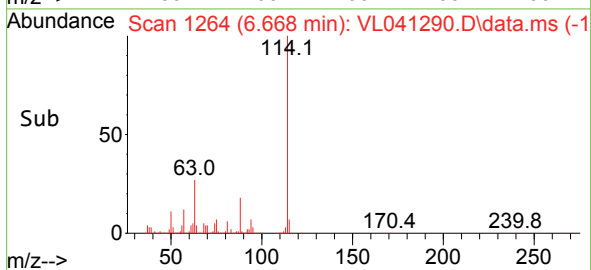
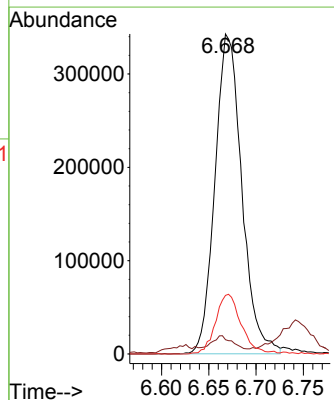
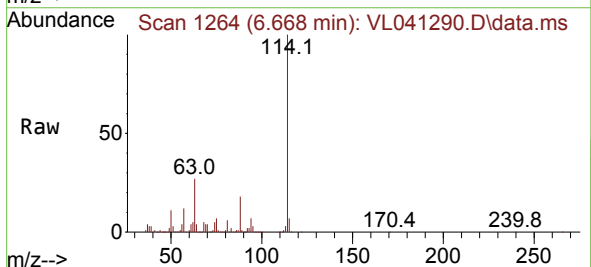
Instrument :
 MSVOA_L
 ClientSampleId :

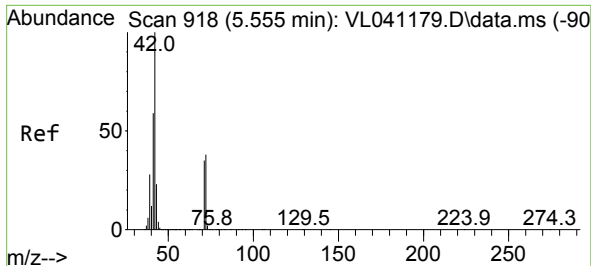
Tgt Ion:130 Resp: 2850
 Ion Ratio Lower Upper
 130 100
 95 30.0 95.0 142.6#
 132 62.0 77.0 115.4#
 97 82.9 59.1 88.7



#39
 1,2-Dichloropropane
 Concen: 7.967 ppbv
 RT: 6.668 min Scan# 1264
 Delta R.T. -0.418 min
 Lab File: VL041290.D
 Acq: 24 May 2024 14:21

Tgt Ion: 63 Resp: 676470
 Ion Ratio Lower Upper
 63 100
 41 1.9 59.4 89.0#
 62 18.3 56.8 85.2#





#41

Tetrahydrofuran

Concen: 0.265 ppbv

RT: 5.513 min Scan# 905

Delta R.T. -0.058 min

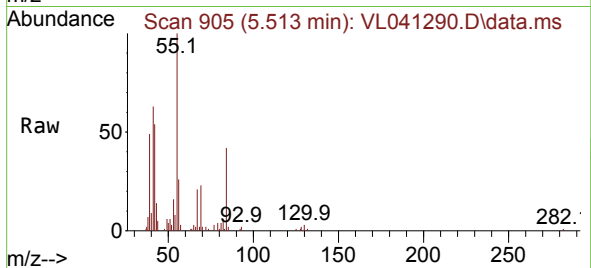
Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :



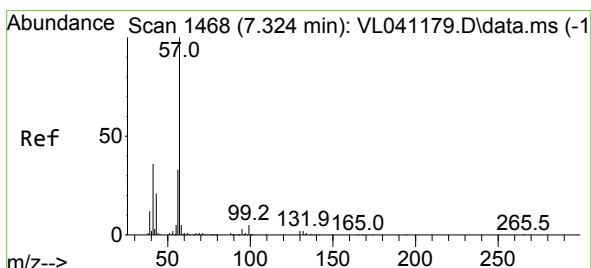
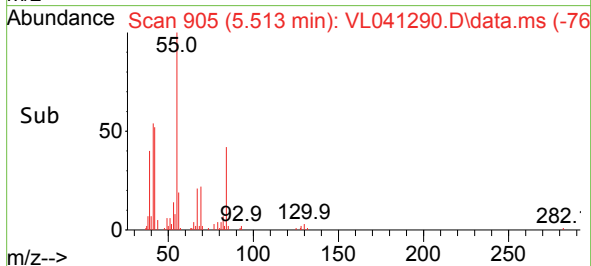
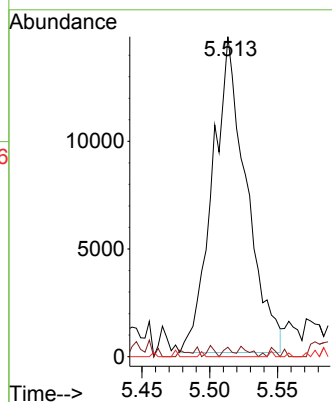
Tgt Ion: 42 Resp: 25638

Ion Ratio Lower Upper

42 100

72 1.7 29.4 44.0#

71 0.0 29.1 43.7#



#44

2,2,4-Trimethylpentane

Concen: 0.219 ppbv

RT: 7.343 min Scan# 1474

Delta R.T. 0.006 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

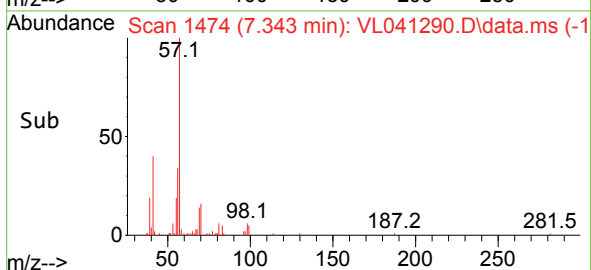
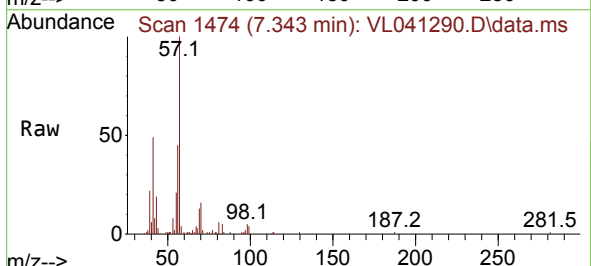
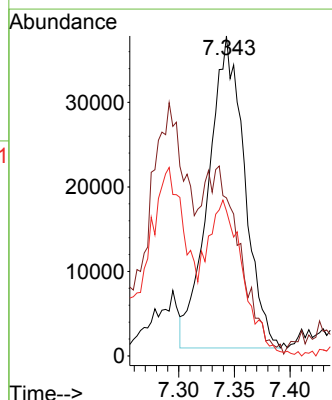
Tgt Ion: 57 Resp: 83013

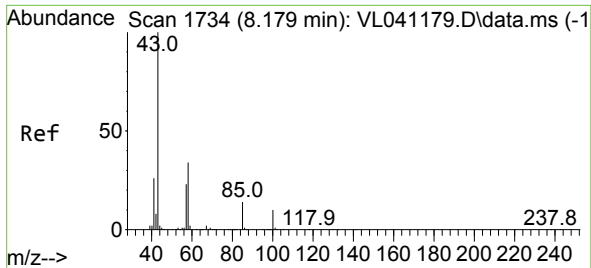
Ion Ratio Lower Upper

57 100

41 58.2 29.5 44.3#

56 52.8 25.3 37.9#

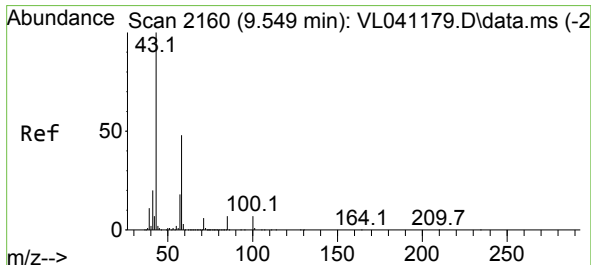
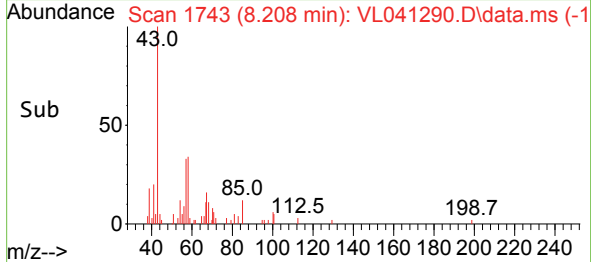
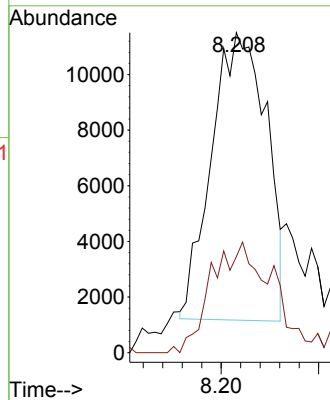
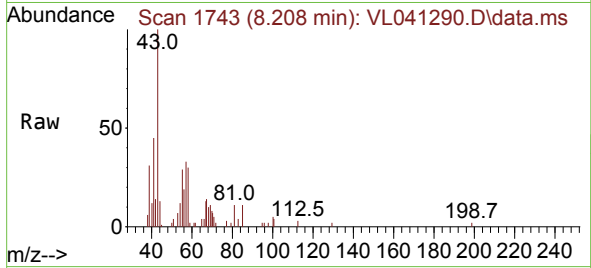




#50
4-Methyl-2-Pentanone
Concen: 0.084 ppbv
RT: 8.208 min Scan# 1743
Delta R.T. 0.019 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

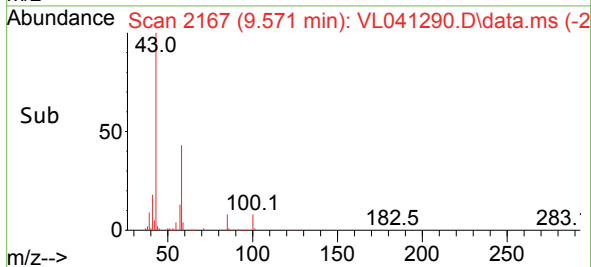
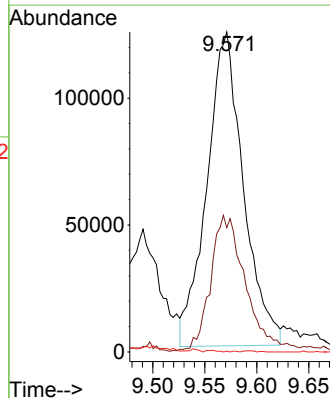
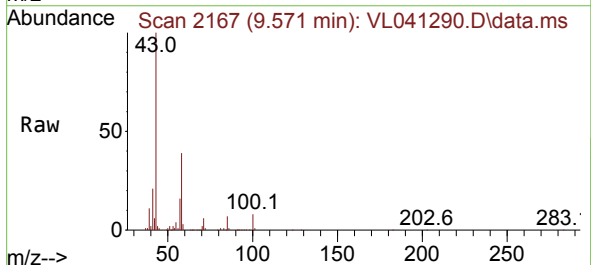
Instrument :
MSVOA_L
ClientSampleId :

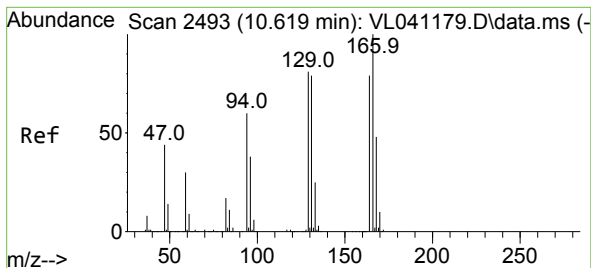
Tgt Ion: 43 Resp: 20174
Ion Ratio Lower Upper
43 100
58 43.4 27.7 41.5#



#51
2-Hexanone
Concen: 1.699 ppbv
RT: 9.571 min Scan# 2167
Delta R.T. 0.013 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 43 Resp: 302292
Ion Ratio Lower Upper
43 100
58 43.4 38.4 57.6
98 0.3 0.0 0.0#





#52

Tetrachloroethene

Concen: 1.585 ppbv

RT: 10.632 min Scan# 2497

Delta R.T. 0.010 min

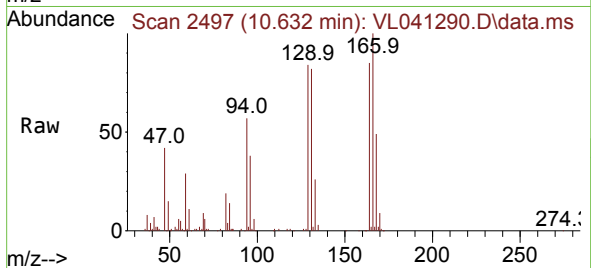
Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 122713

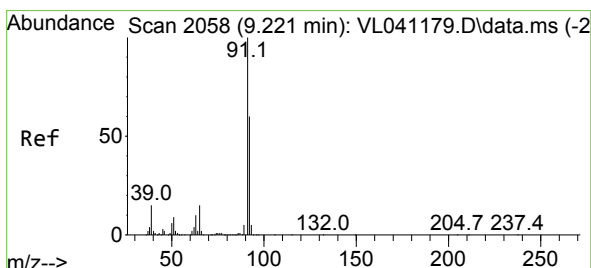
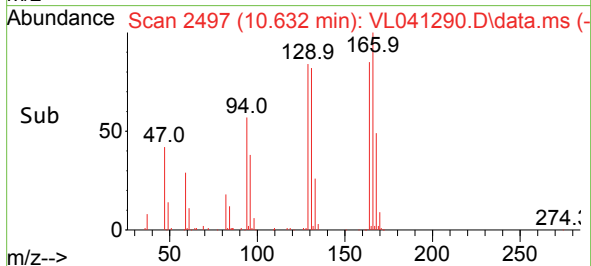
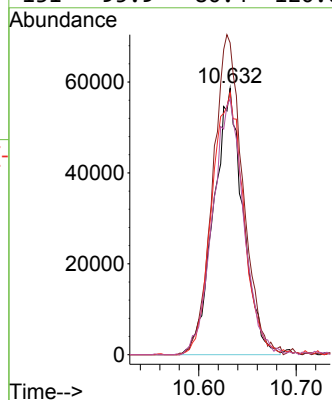
Ion Ratio Lower Upper

164 100

166 116.4 101.1 151.7

129 98.4 81.7 122.5

131 95.9 80.4 120.6



#53

Toluene

Concen: 1.464 ppbv

RT: 9.237 min Scan# 2063

Delta R.T. 0.006 min

Lab File: VL041290.D

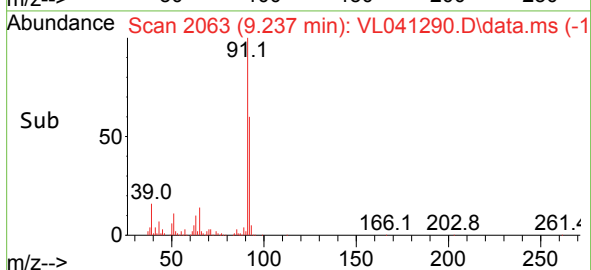
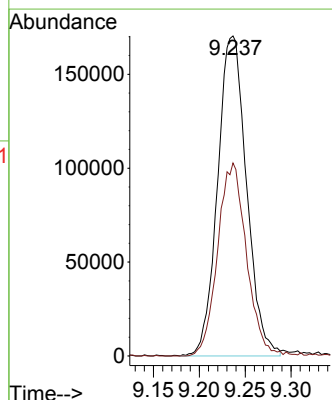
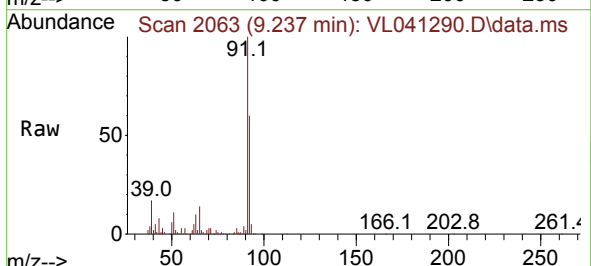
Acq: 24 May 2024 14:21

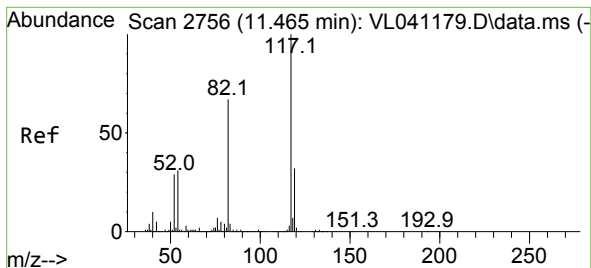
Tgt Ion: 91 Resp: 373970

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

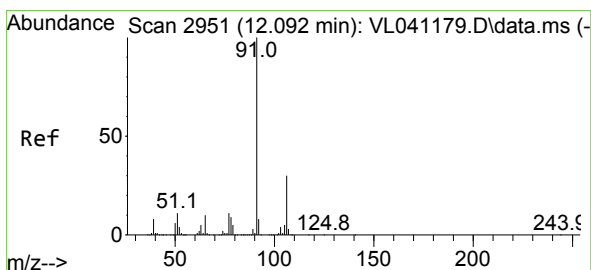
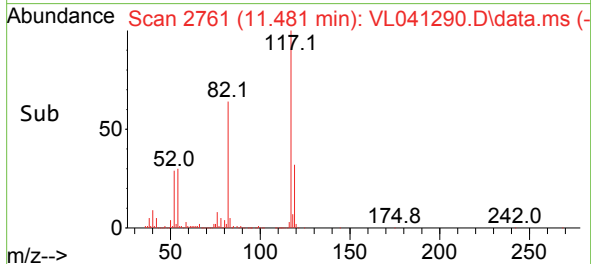
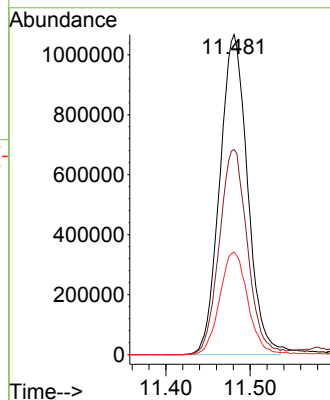
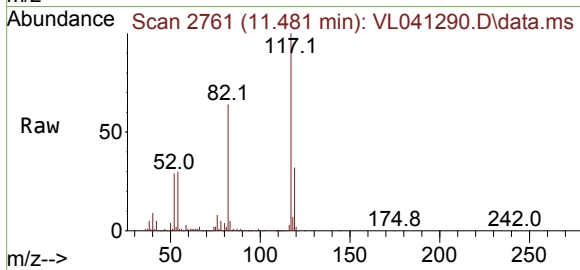
Tgt Ion:117 Resp: 2434493

Ion Ratio Lower Upper

117 100

82 65.3 53.6 80.4

119 33.5 27.2 40.8



#58

Ethyl Benzene

Concen: 0.131 ppbv

RT: 12.108 min Scan# 2956

Delta R.T. 0.013 min

Lab File: VL041290.D

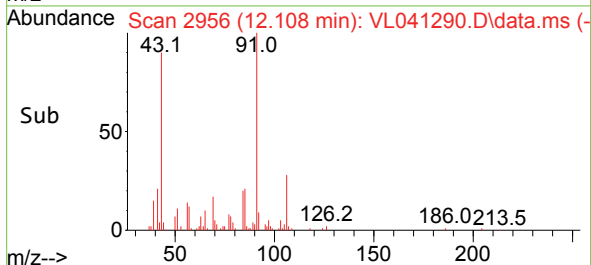
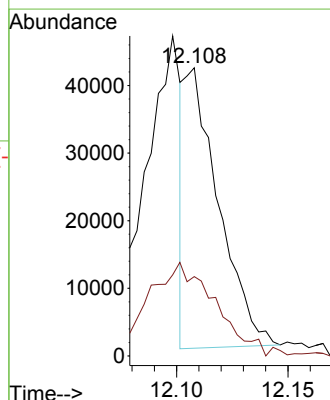
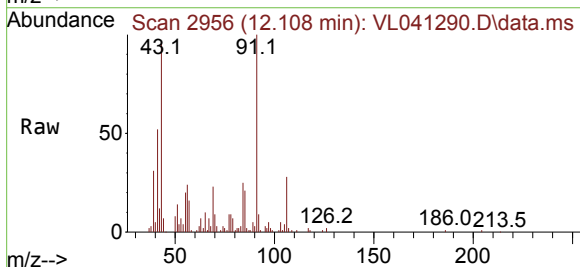
Acq: 24 May 2024 14:21

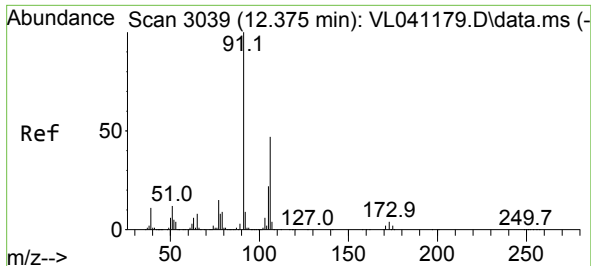
Tgt Ion: 91 Resp: 43824

Ion Ratio Lower Upper

91 100

106 26.7 24.3 36.5





#59

m/p-Xylene

Concen: 0.631 ppbv

RT: 12.355 min Scan# 3033

Delta R.T. -0.022 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

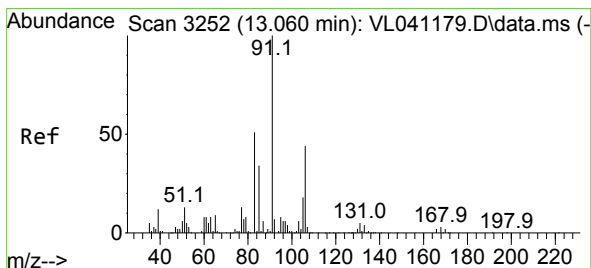
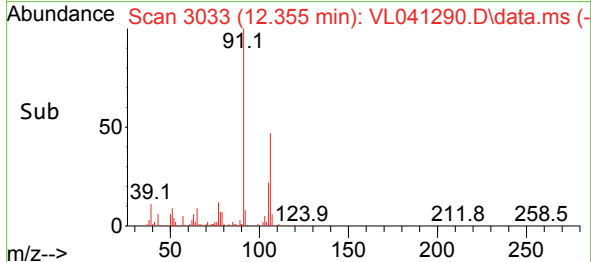
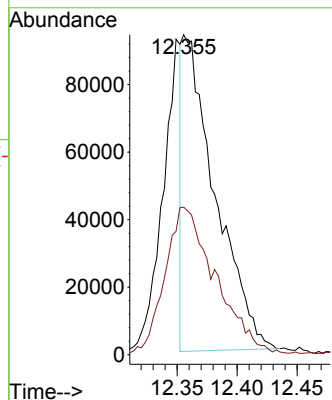
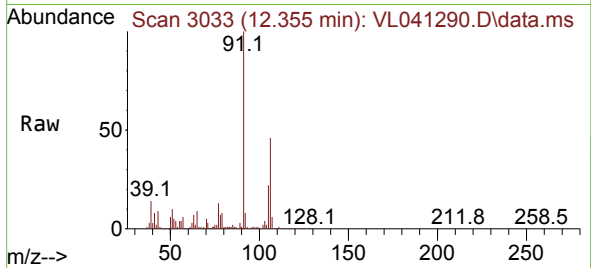
ClientSampleId :

Tgt Ion: 91 Resp: 176960

Ion Ratio Lower Upper

91 100

106 73.3 35.7 53.5#



#60

o-Xylene

Concen: 0.572 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.006 min

Lab File: VL041290.D

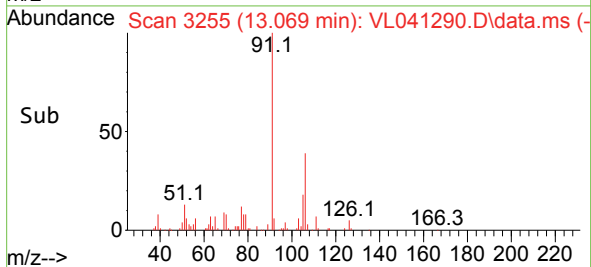
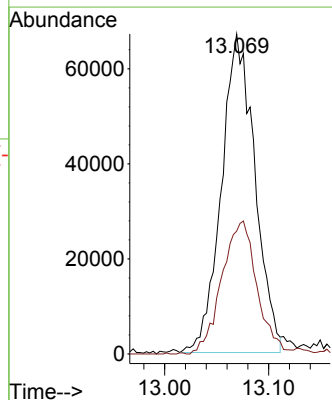
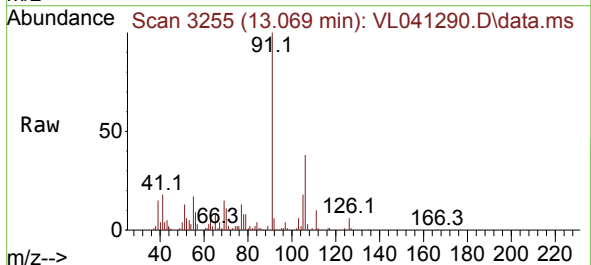
Acq: 24 May 2024 14:21

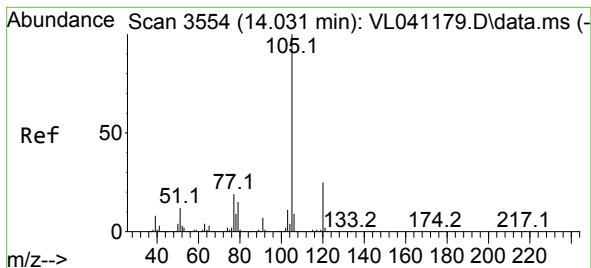
Tgt Ion: 91 Resp: 150321

Ion Ratio Lower Upper

91 100

106 45.0 22.4 67.3





#62

Isopropylbenzene

Concen: 0.043 ppbv

RT: 14.044 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

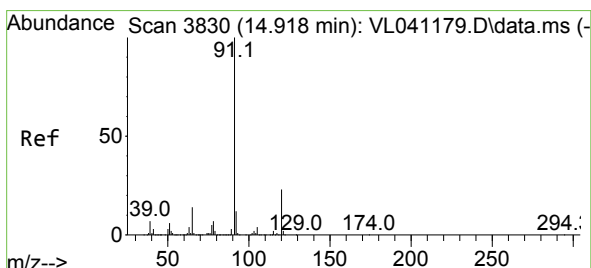
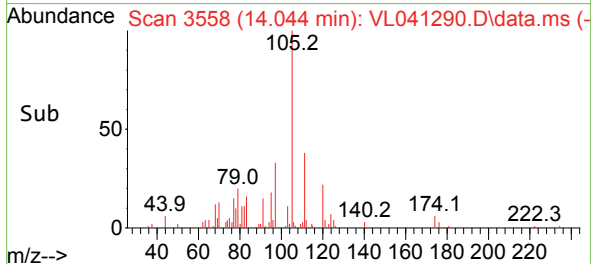
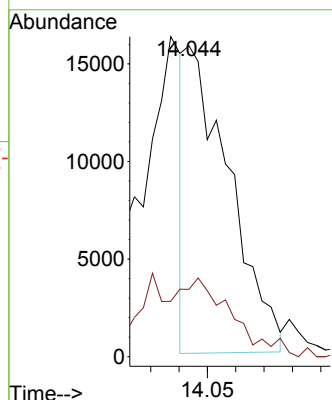
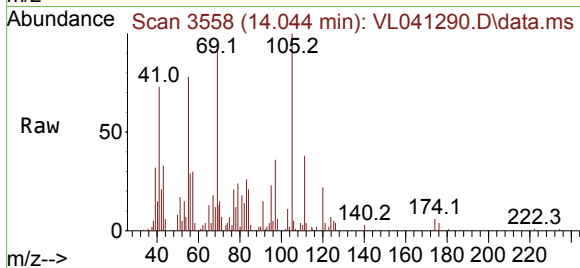
ClientSampleId :

Tgt Ion:105 Resp: 16833

Ion Ratio Lower Upper

105 100

120 0.0 20.2 30.2#



#64

n-propylbenzene

Concen: 0.082 ppbv

RT: 14.928 min Scan# 3833

Delta R.T. 0.010 min

Lab File: VL041290.D

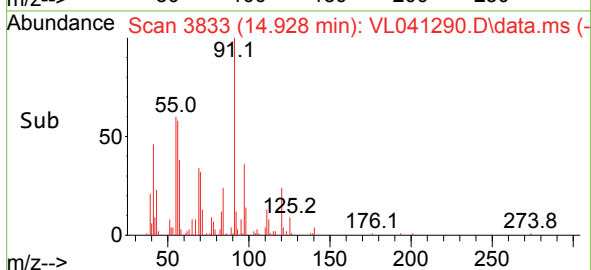
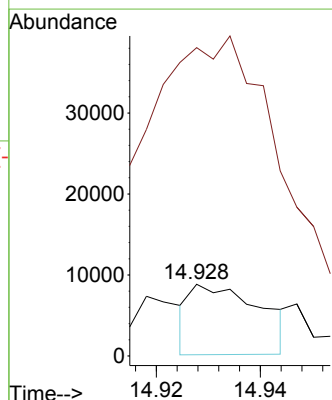
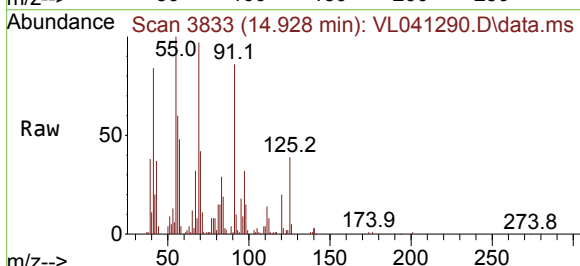
Acq: 24 May 2024 14:21

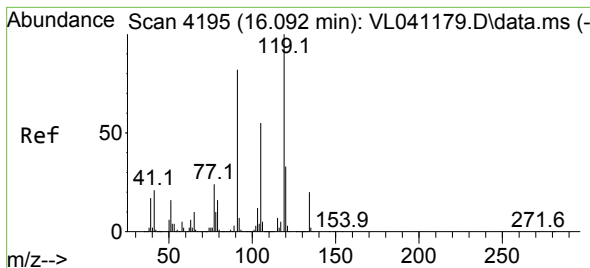
Tgt Ion:120 Resp: 8068

Ion Ratio Lower Upper

120 100

91 1283.6 384.8 577.2#





#65

tert-Butylbenzene

Concen: 0.039 ppbv

RT: 16.108 min Scan# 4195

Delta R.T. 0.016 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

ClientSampleId :

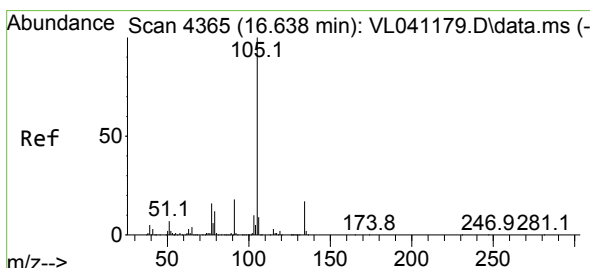
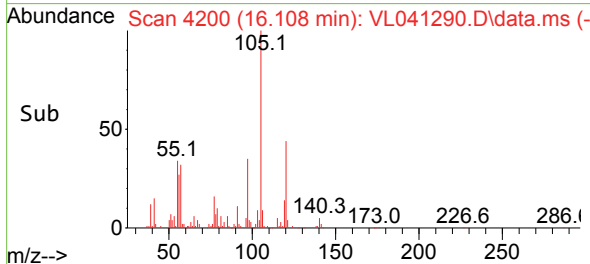
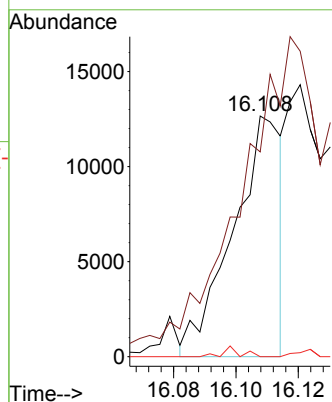
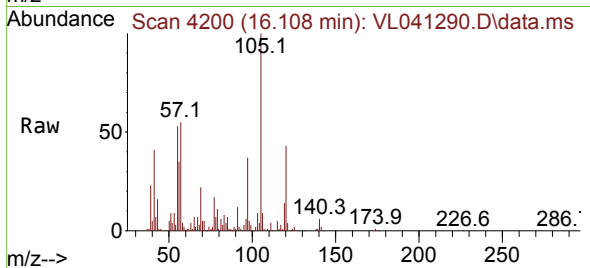
Tgt Ion:119 Resp: 13626

Ion Ratio Lower Upper

119 100

91 0.0 67.0 100.4#

134 2.5 15.2 22.8#



#67

sec-Butylbenzene

Concen: 0.042 ppbv

RT: 16.645 min Scan# 4367

Delta R.T. 0.006 min

Lab File: VL041290.D

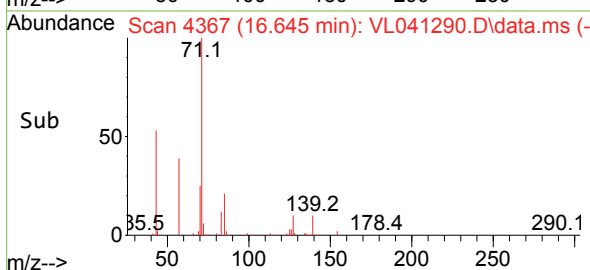
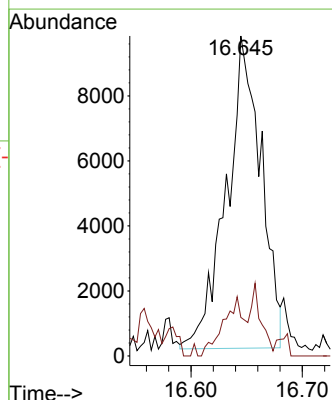
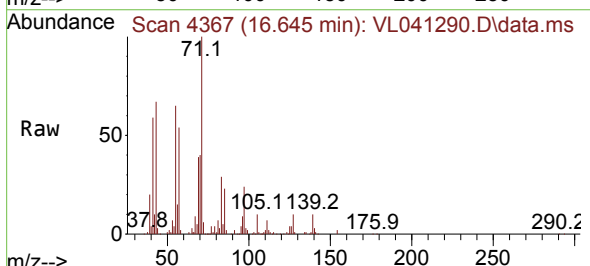
Acq: 24 May 2024 14:21

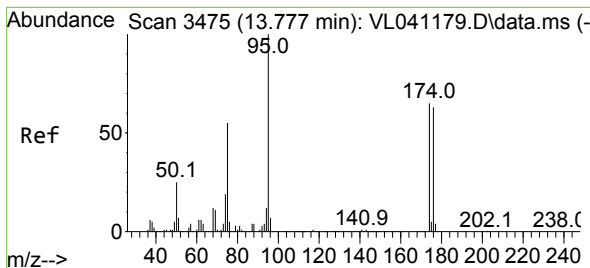
Tgt Ion:105 Resp: 20770

Ion Ratio Lower Upper

105 100

134 20.3 13.8 20.8

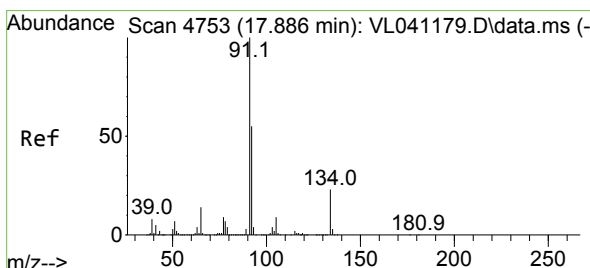
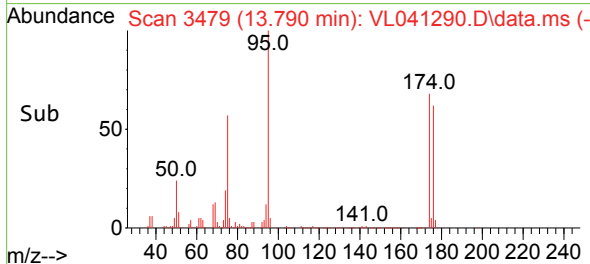
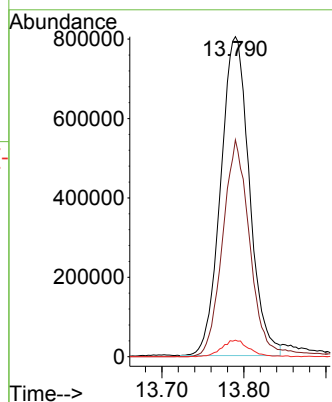
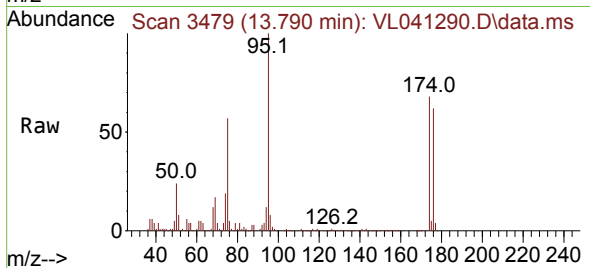




#68
1-Bromo-4-Fluorobenzene
Concen: 10.637 ppbv
RT: 13.790 min Scan# 3475
Delta R.T. 0.010 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

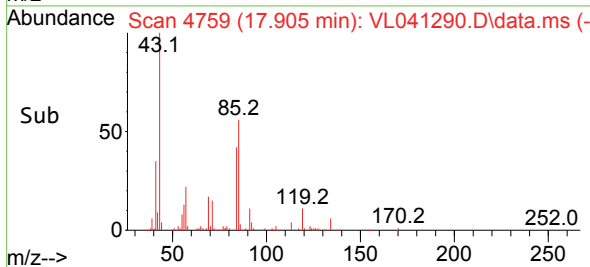
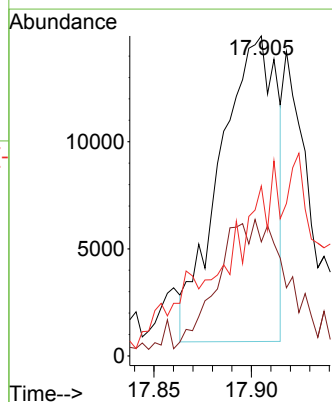
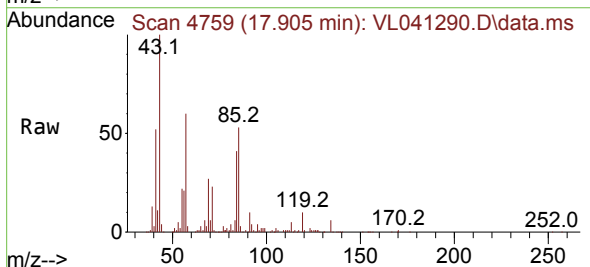
Instrument :
MSVOA_L
ClientSampleId :

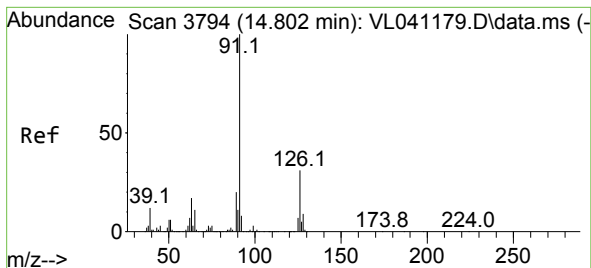
Tgt Ion: 95 Resp: 1955051
Ion Ratio Lower Upper
95 100
174 66.5 53.6 80.4
175 5.0 4.2 6.4



#70
n-Butylbenzene
Concen: 0.067 ppbv
RT: 17.905 min Scan# 4759
Delta R.T. 0.016 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 91 Resp: 28793
Ion Ratio Lower Upper
91 100
92 63.2 43.3 64.9
134 0.0 17.8 26.8#

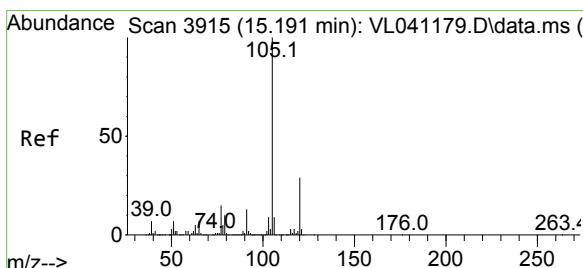
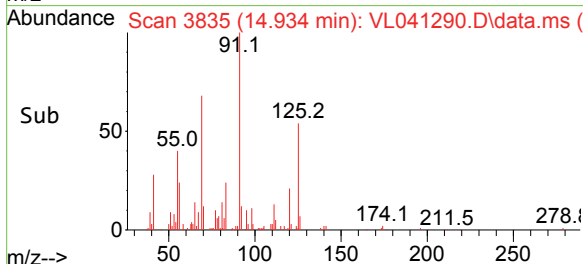
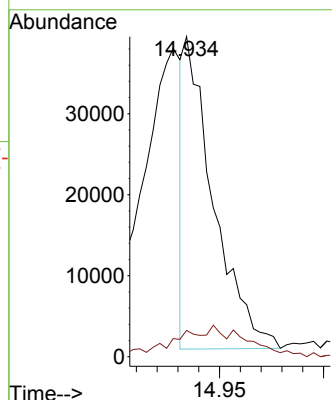
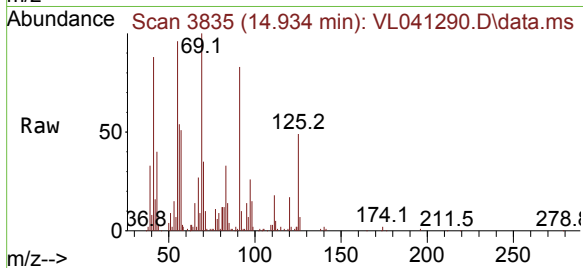




#71
2-Chlorotoluene
Concen: 0.126 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.129 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

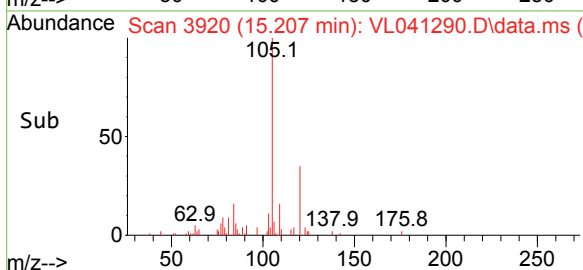
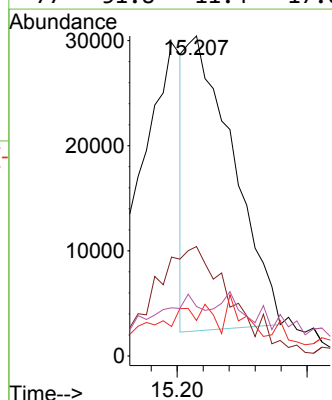
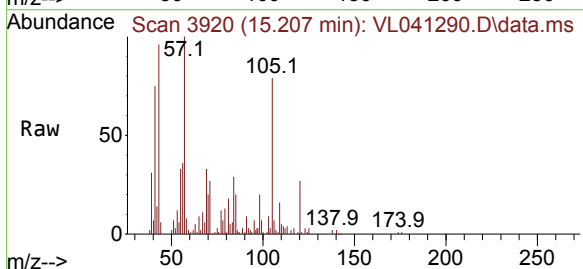
Instrument :
MSVOA_L
ClientSampleId :

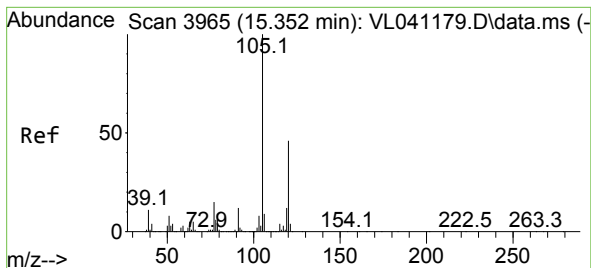
Tgt Ion: 91 Resp: 37879
Ion Ratio Lower Upper
91 100
126 25.2 12.2 48.8



#72
4-Ethyltoluene
Concen: 0.119 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.010 min
Lab File: VL041290.D
Acq: 24 May 2024 14:21

Tgt Ion: 105 Resp: 35399
Ion Ratio Lower Upper
105 100
120 61.6 24.7 37.1#
91 35.2 10.3 15.5#
77 51.8 11.4 17.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.181 ppbv

RT: 15.368 min Scan# 3965

Delta R.T. 0.013 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Instrument :

MSVOA_L

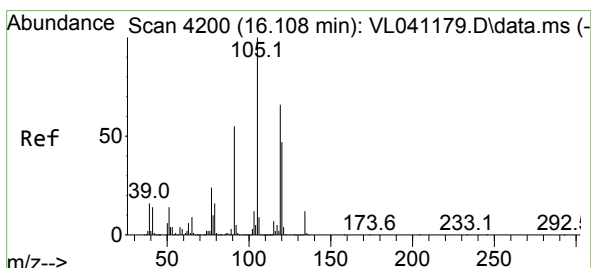
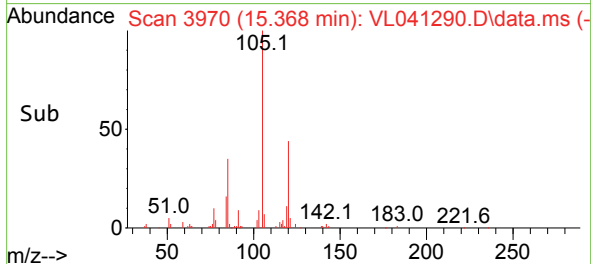
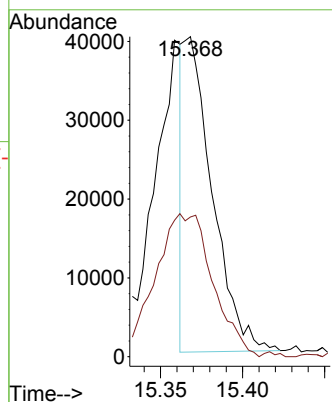
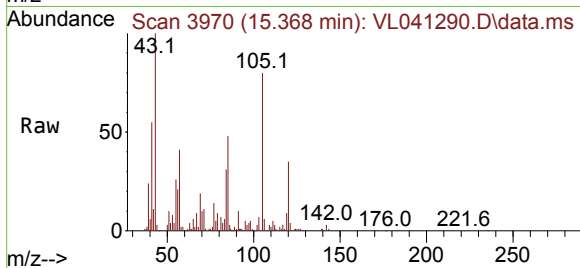
ClientSampleId :

Tgt Ion:105 Resp: 48858

Ion Ratio Lower Upper

105 100

120 43.5 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 0.535 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.006 min

Lab File: VL041290.D

Acq: 24 May 2024 14:21

Tgt Ion:105 Resp: 157339

Ion Ratio Lower Upper

105 100

120 45.5 37.8 56.6

91 14.1 44.3 66.5#

77 13.5 19.0 28.4#

