

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041052.D
 Acq On : 9 Feb 2024 11:06
 Operator : SY/MD
 Sample : P1420-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R

Quant Time: Feb 12 00:44:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Feb 12 00:40:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1108946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2885148	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2643424	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2160491	10.821	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.200%

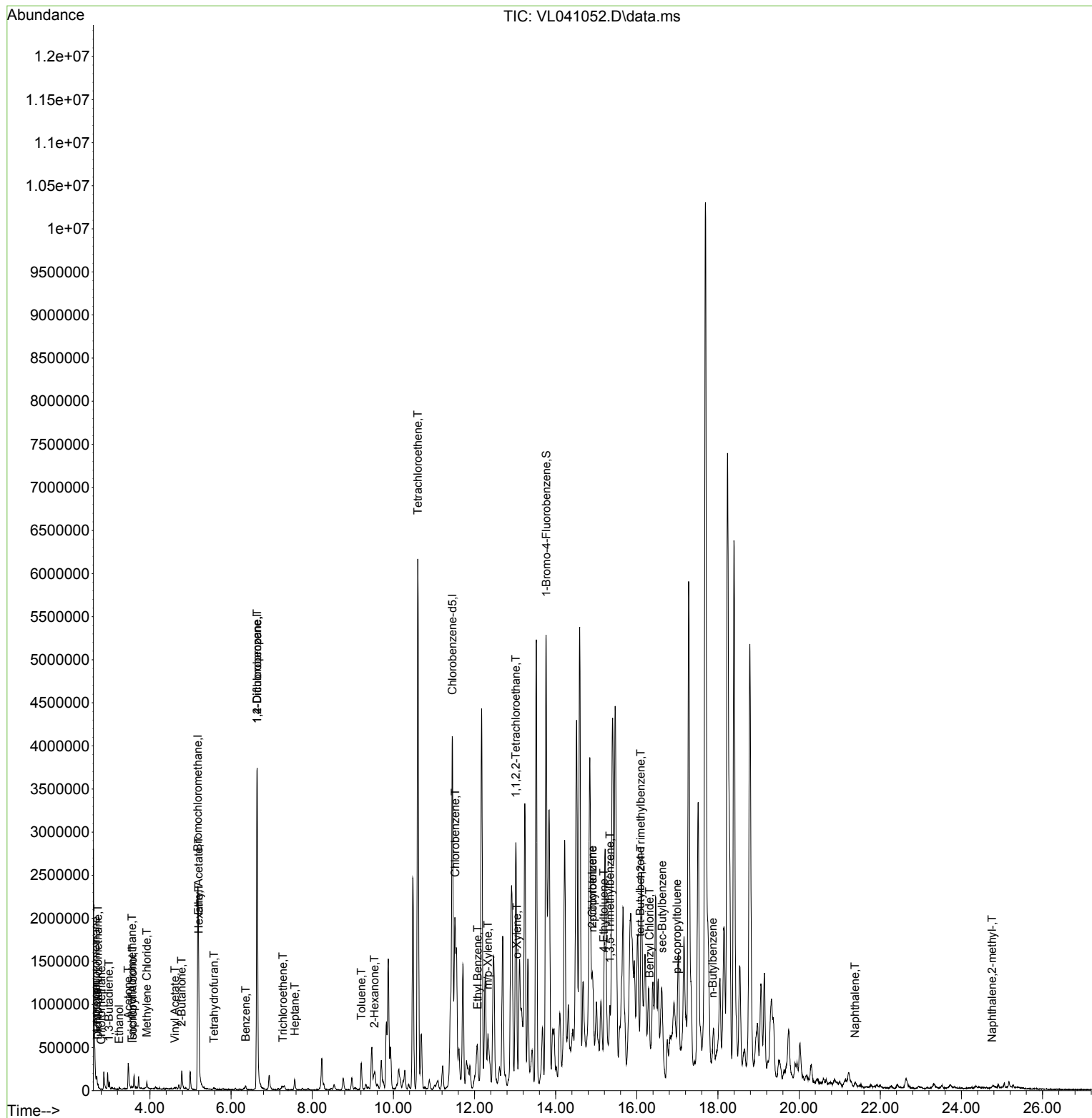
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	28600	0.117	ppbv	91
3) Chlorodifluoromethane	2.665	51	10004	0.054	ppbv #	91
4) Chloromethane	2.803	50	2188	0.031	ppbv	100
9) Propene	2.687	41	43625	0.713	ppbv	92
10) Heptane	7.571	43	22601	0.150	ppbv #	28
11) Trichlorofluoromethane	3.555	101	9801	0.050	ppbv #	77
13) Ethanol	3.243	45	6695	0.459	ppbv #	35
15) Acetone	3.465	43	332745	2.346	ppbv #	82
16) 1,3-Butadiene	2.989	39	2275	0.034	ppbv #	1
19) Isopropyl Alcohol	3.578	45	8273	0.101	ppbv #	92
20) Methylene Chloride	3.925	84	22852	0.419	ppbv	99
23) Vinyl Acetate	4.613	43	9765	0.067	ppbv #	63
25) Ethyl Acetate	5.201	43	225948	0.879	ppbv #	77
26) Hexane	5.205	57	319478	2.915	ppbv #	39
34) 2-Butanone	4.783	43	254180	1.849	ppbv	95
36) Benzene	6.362	78	14724	0.062	ppbv	94
38) Trichloroethene	7.279	130	2090	0.022	ppbv #	50
39) 1,2-Dichloropropane	6.642	63	710835	7.573	ppbv #	24
41) Tetrahydrofuran	5.578	42	5974	0.064	ppbv #	46
51) 2-Hexanone	9.532	43	97227	0.557	ppbv #	31
52) Tetrachloroethene	10.603	164	1460808	18.461	ppbv	99
53) Toluene	9.211	91	237999	0.912	ppbv	100
57) Chlorobenzene	11.523	112	27335	0.129	ppbv #	54
58) Ethyl Benzene	12.079	91	59530	0.168	ppbv	96
59) m/p-Xylene	12.330	91	414258	1.339	ppbv	93
60) o-Xylene	13.047	91	198623	0.669	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.018	83	97326	0.422	ppbv #	51
64) n-propylbenzene	14.912	120	20558	0.185	ppbv #	19
65) tert-Butylbenzene	16.085	119	16672	0.043	ppbv #	17
66) Benzyl Chloride	16.314	91	914	0.036	ppbv #	1
67) sec-Butylbenzene	16.625	105	23064	0.041	ppbv #	17
69) p-Isopropyltoluene	16.992	119	11285	0.026	ppbv #	22
70) n-Butylbenzene	17.870	91	19315	0.041	ppbv #	62
71) 2-Chlorotoluene	14.905	91	147403	0.435	ppbv	70
72) 4-Ethyltoluene	15.185	105	92343	0.278	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.339	105	125632	0.427	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	271088	0.812	ppbv #	66
79) Naphthalene	21.378	128	4137	0.022	ppbv #	1
80) Naphthalene,2-methyl-	24.757	142	1441	0.043	ppbv	87

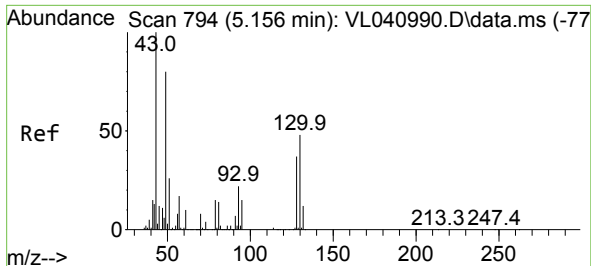
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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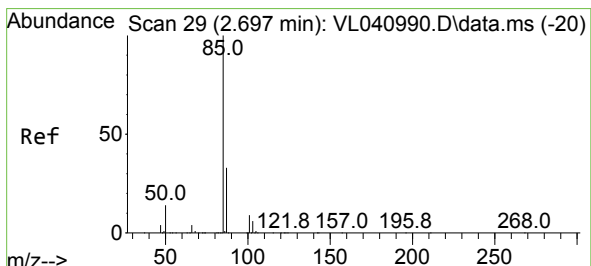
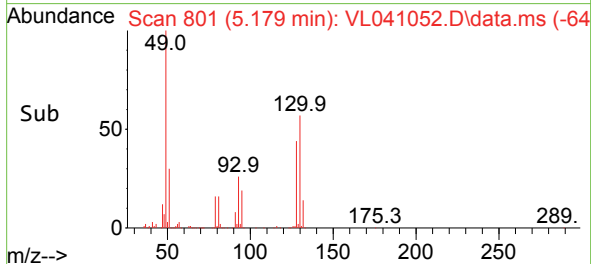
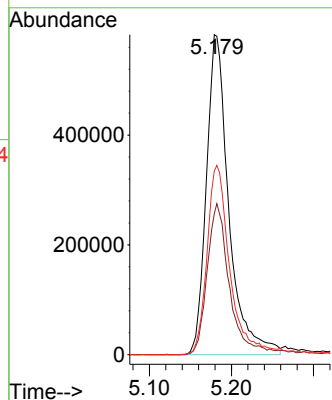
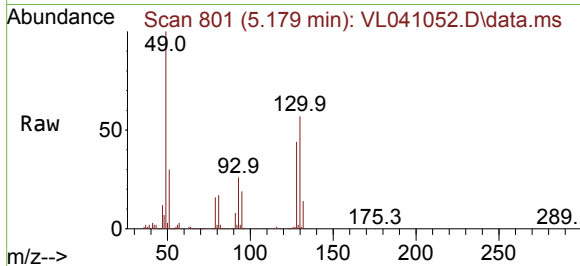




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

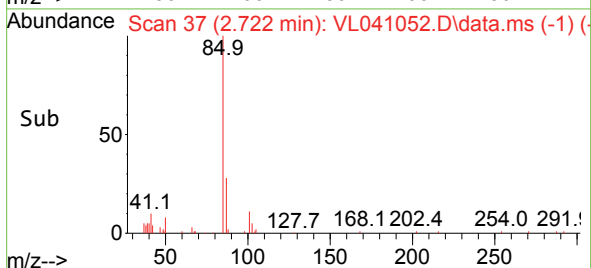
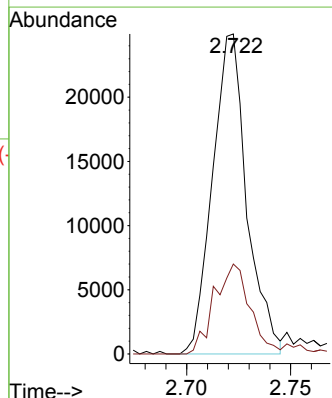
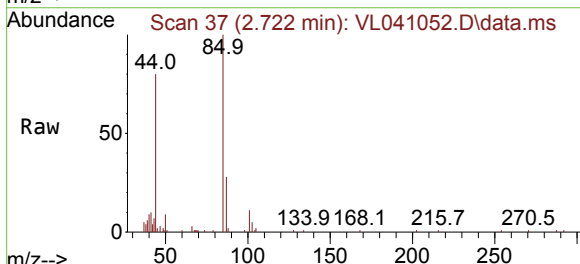
Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R

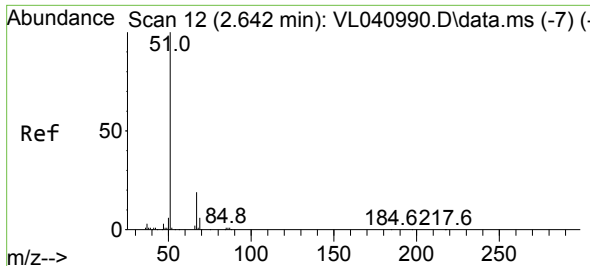
Tgt Ion: 49 Resp: 1108946
 Ion Ratio Lower Upper
 49 100
 128 48.7 23.9 71.7
 130 61.4 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.117 ppbv
 RT: 2.722 min Scan# 37
 Delta R.T. 0.006 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

Tgt Ion: 85 Resp: 28600
 Ion Ratio Lower Upper
 85 100
 87 28.1 26.3 39.5

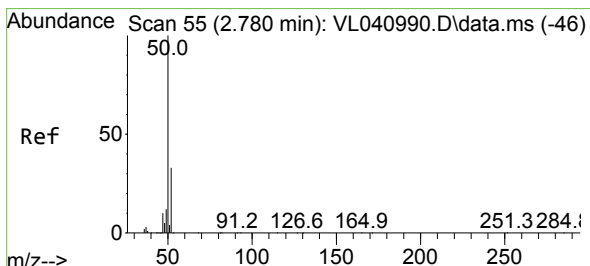
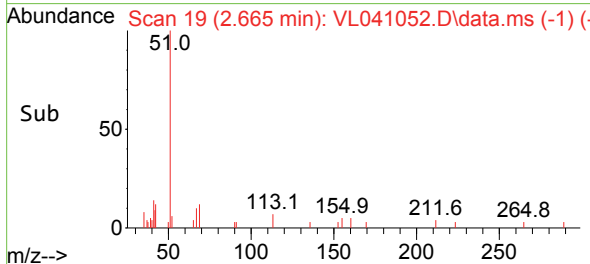
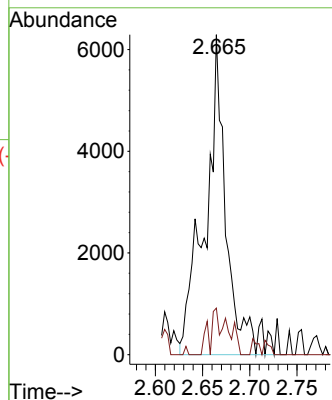
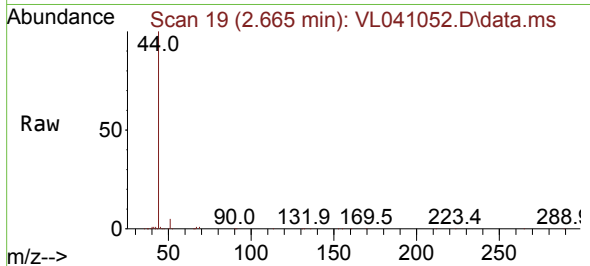




#3
Chlorodifluoromethane
Concen: 0.054 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

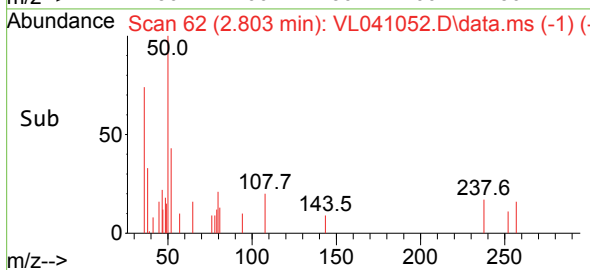
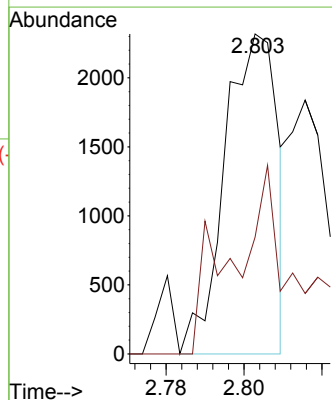
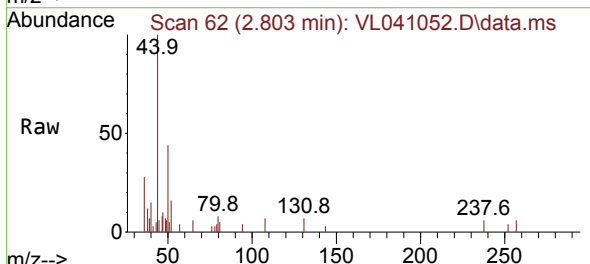
Instrument :
MSVOA_L
ClientSampleId :
SS2R

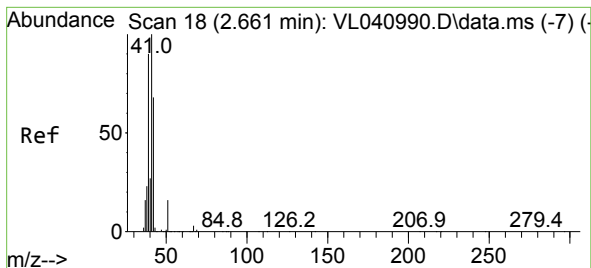
Tgt Ion: 51 Resp: 10004
Ion Ratio Lower Upper
51 100
67 14.5 14.8 22.2#



#4
Chloromethane
Concen: 0.031 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 50 Resp: 2188
Ion Ratio Lower Upper
50 100
52 33.0 26.2 39.4





#9

Propene

Concen: 0.713 ppbv

RT: 2.687 min Scan# 2

Delta R.T. 0.010 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Instrument :

MSVOA_L

ClientSampleId :

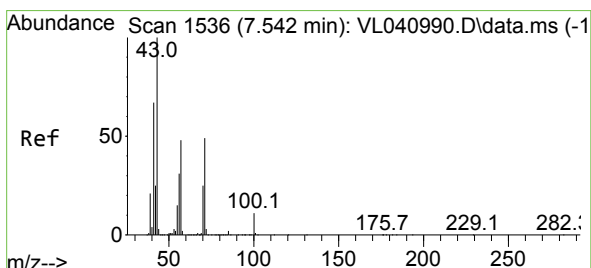
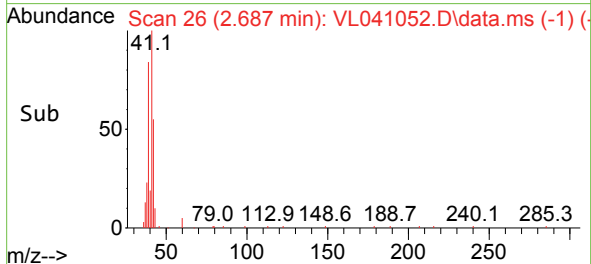
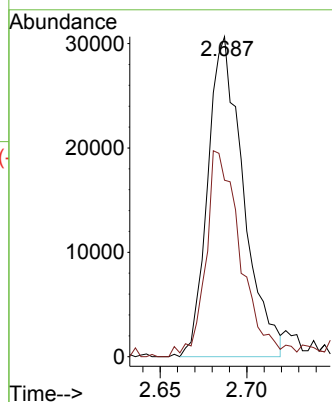
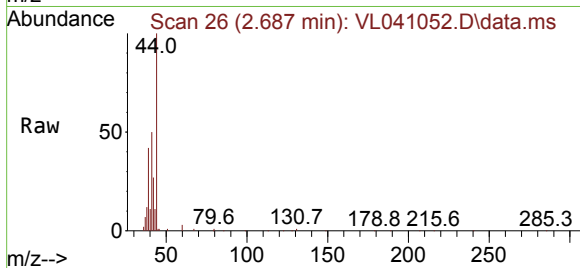
SS2R

Tgt Ion: 41 Resp: 43625

Ion Ratio Lower Upper

41 100

42 67.1 59.0 88.4



#10

Heptane

Concen: 0.150 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. 0.003 min

Lab File: VL041052.D

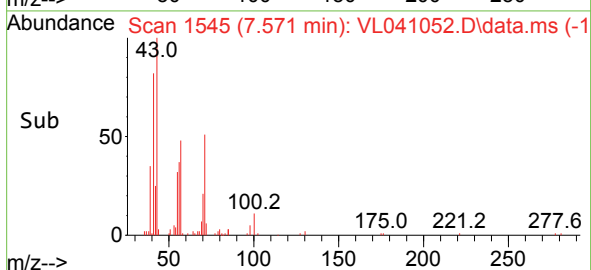
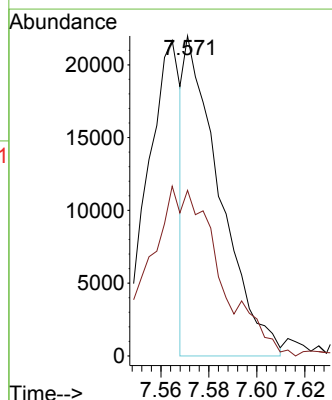
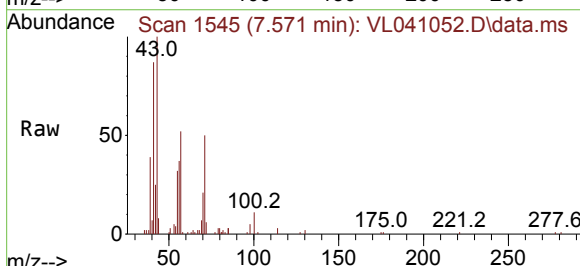
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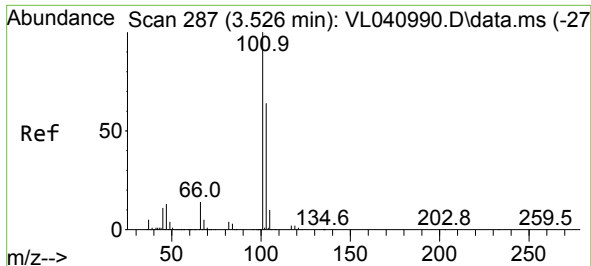
Tgt Ion: 43 Resp: 22601

Ion Ratio Lower Upper

43 100

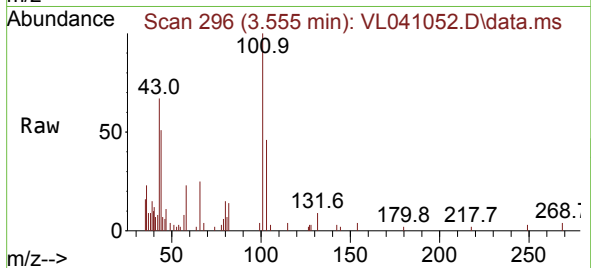
57 0.0 39.4 59.2#



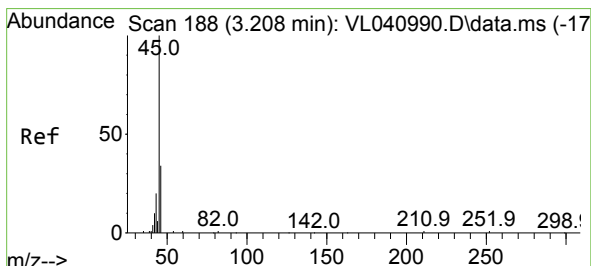
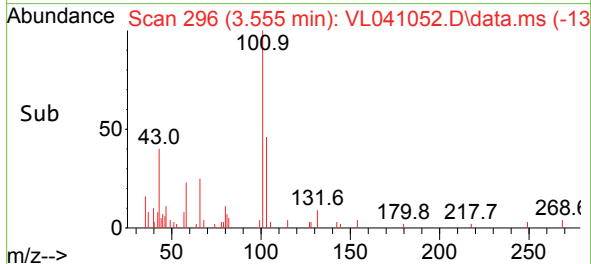
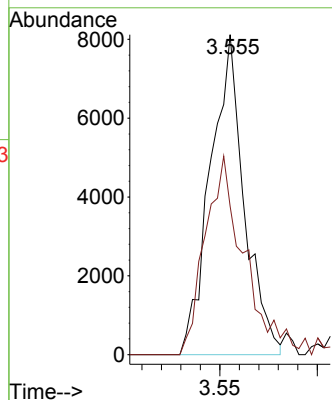


#11
Trichlorofluoromethane
Concen: 0.050 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Instrument :
MSVOA_L
ClientSampleId :
SS2R

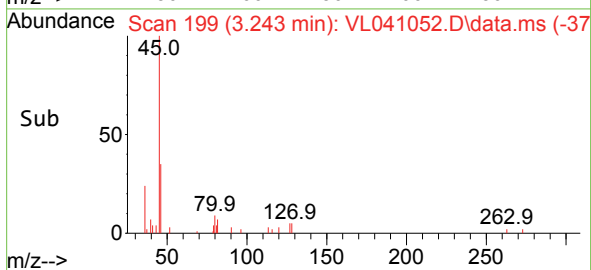
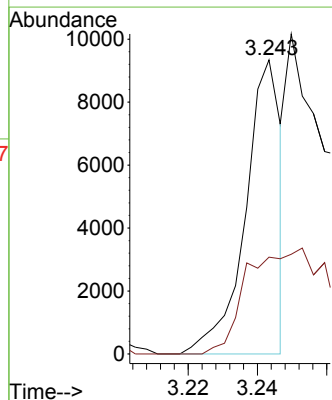
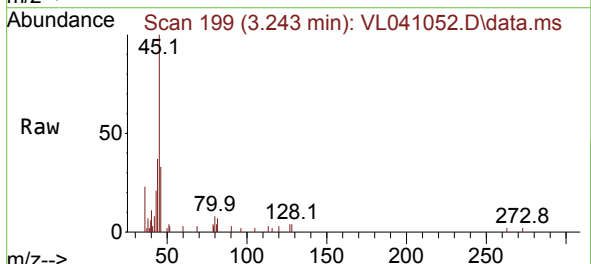


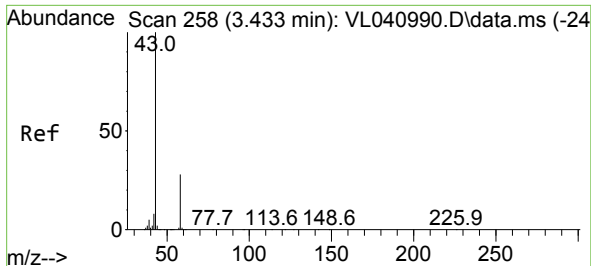
Tgt Ion:101 Resp: 9801
Ion Ratio Lower Upper
101 100
103 46.4 51.4 77.2#



#13
Ethanol
Concen: 0.459 ppbv
RT: 3.243 min Scan# 199
Delta R.T. 0.019 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 45 Resp: 6695
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8#

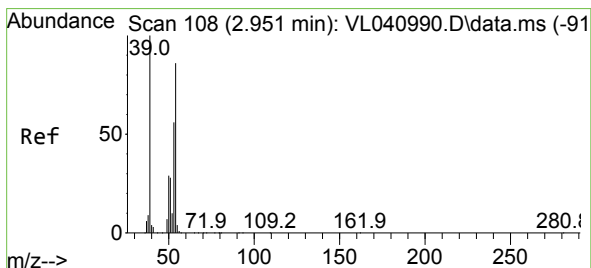
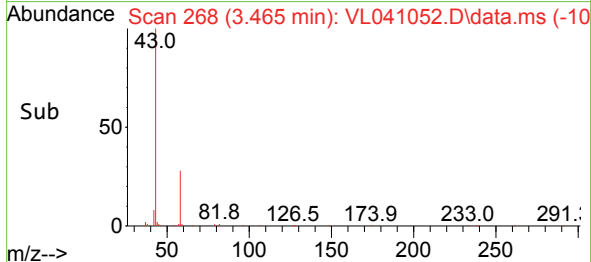
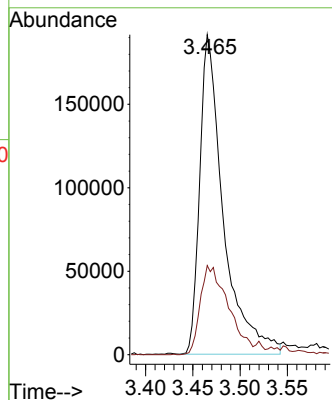
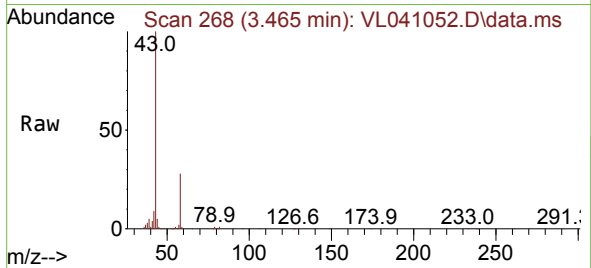




#15
Acetone
Concen: 2.346 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

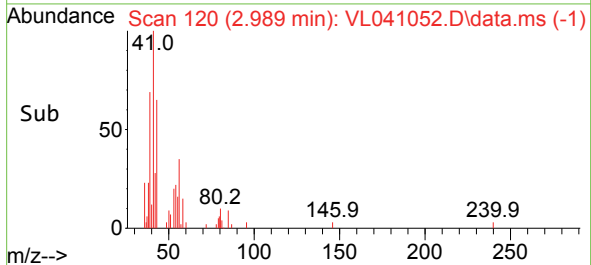
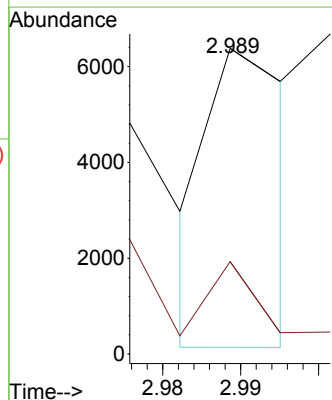
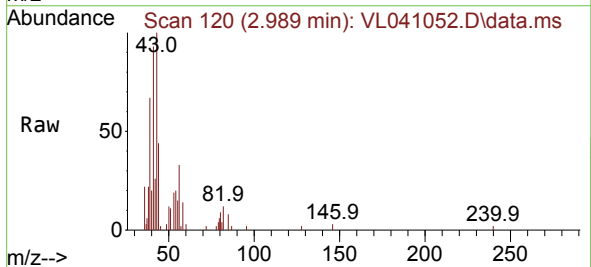
Instrument :
MSVOA_L
ClientSampleId :
SS2R

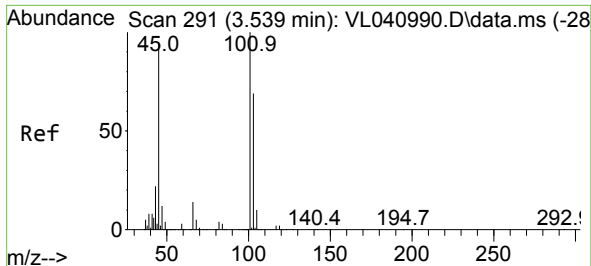
Tgt Ion: 43 Resp: 332745
Ion Ratio Lower Upper
43 100
58 37.1 22.2 33.2#



#16
1,3-Butadiene
Concen: 0.034 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.019 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 39 Resp: 2275
Ion Ratio Lower Upper
39 100
54 260.0 62.7 94.1#





#19

Isopropyl Alcohol

Concen: 0.101 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.016 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Instrument :

MSVOA_L

ClientSampleId :

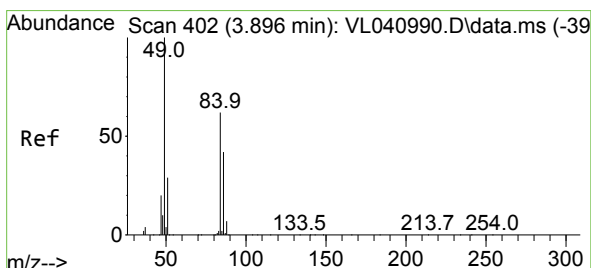
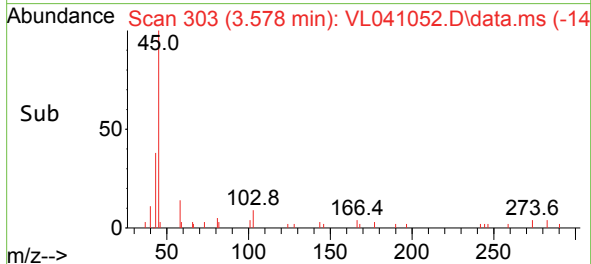
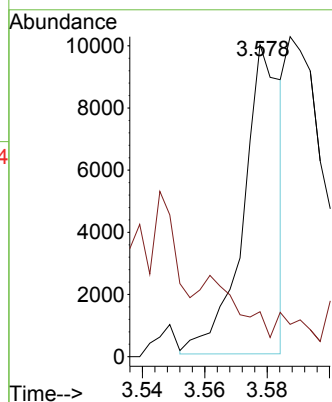
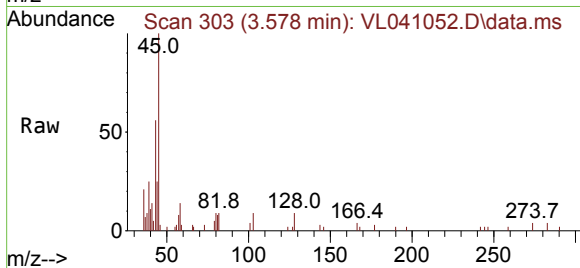
SS2R

Tgt Ion: 45 Resp: 8273

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.4#



#20

Methylene Chloride

Concen: 0.419 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.006 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Tgt Ion: 84 Resp: 22852

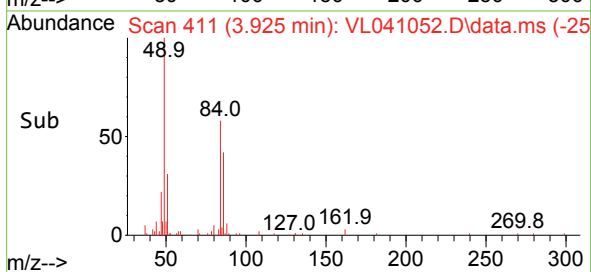
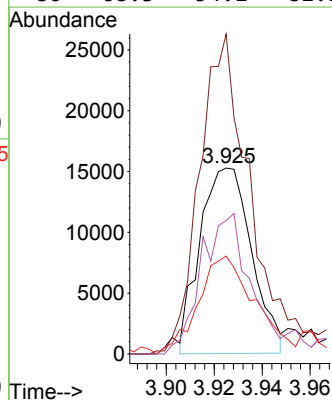
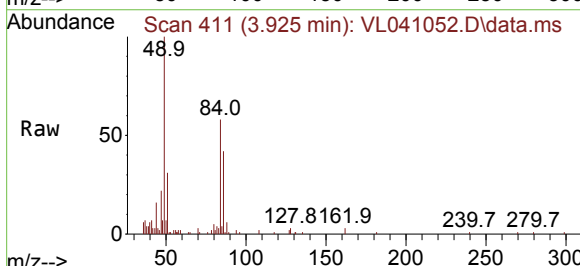
Ion Ratio Lower Upper

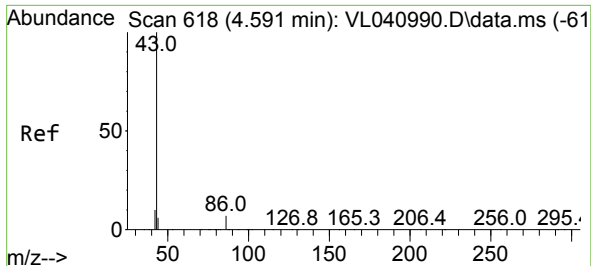
84 100

49 160.9 128.1 192.1

51 44.3 36.5 54.7

86 68.3 54.1 81.1



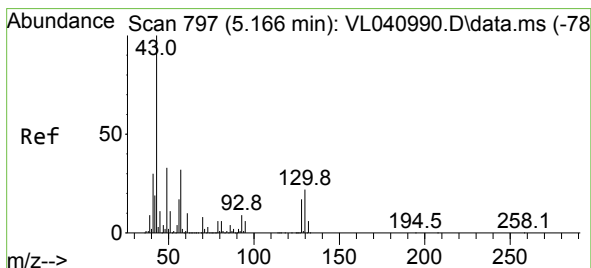
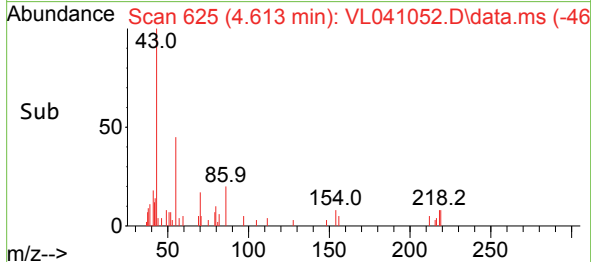
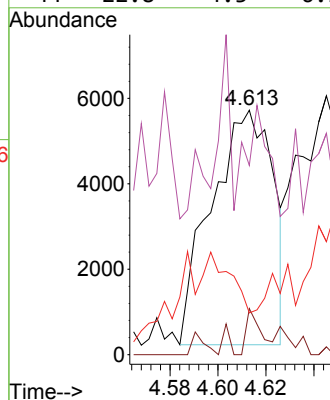
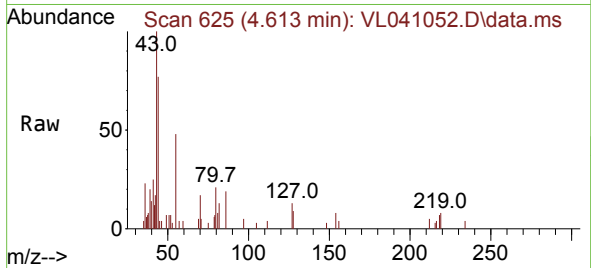


#23
 Vinyl Acetate
 Concen: 0.067 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R

Tgt Ion: 43 Resp: 9765

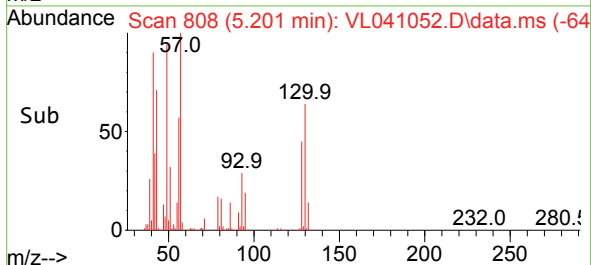
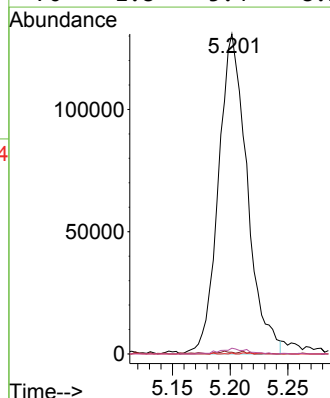
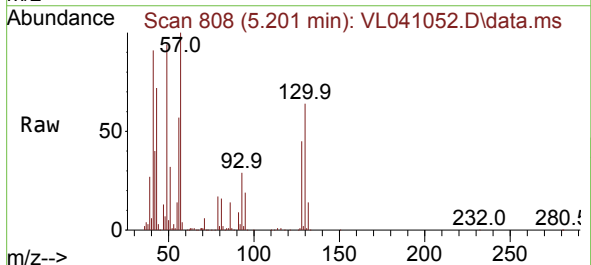
Ion	Ratio	Lower	Upper
43	100		
86	19.6	5.4	8.0#
42	0.0	8.6	13.0#
44	22.8	4.3	6.5#

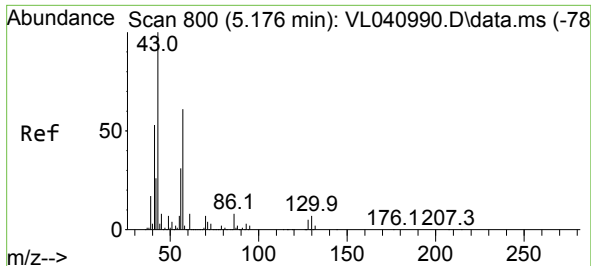


#25
 Ethyl Acetate
 Concen: 0.879 ppbv
 RT: 5.201 min Scan# 808
 Delta R.T. 0.010 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

Tgt Ion: 43 Resp: 225948

Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.2	12.4#
61	0.1	7.9	11.9#
70	1.8	5.4	8.2#

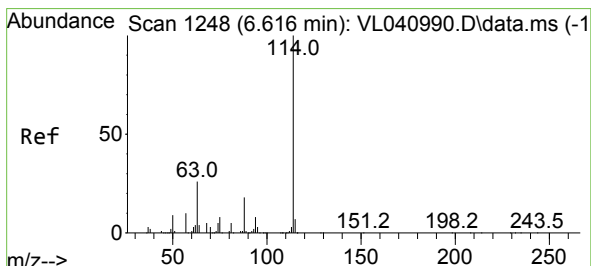
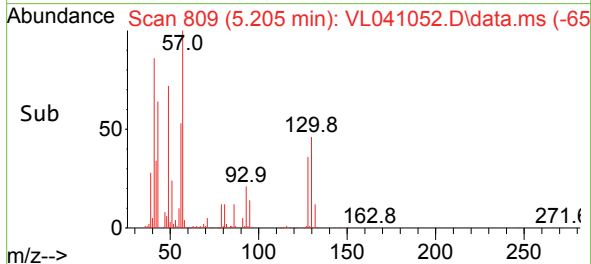
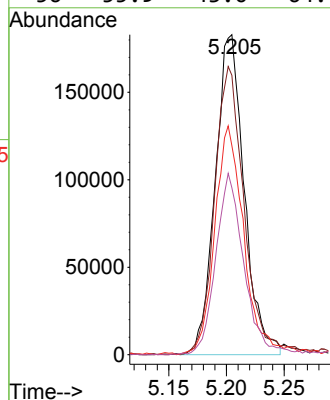
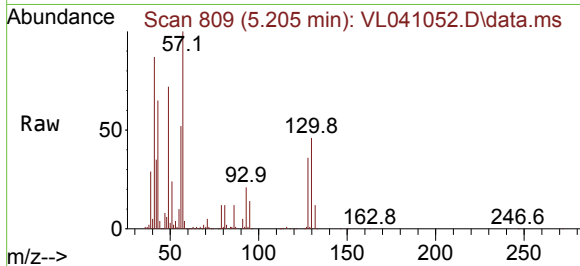




#26
Hexane
Concen: 2.915 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

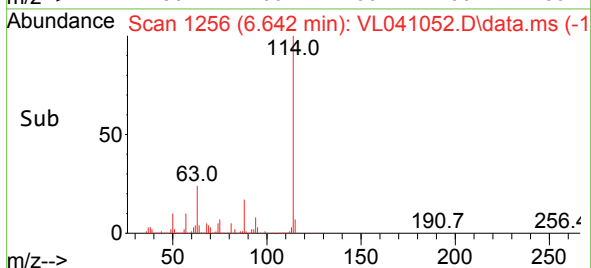
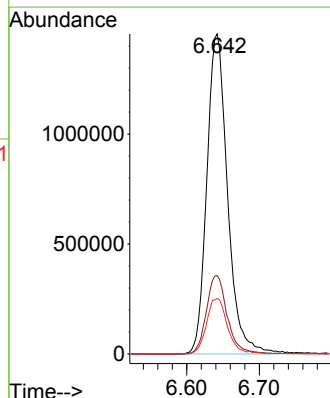
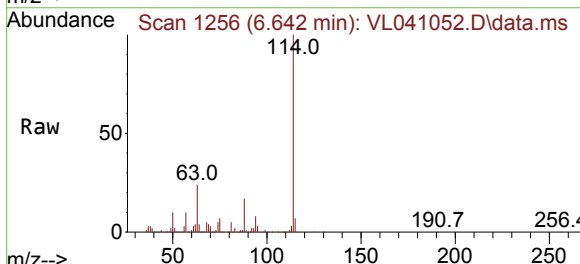
Instrument :
MSVOA_L
ClientSampleId :
SS2R

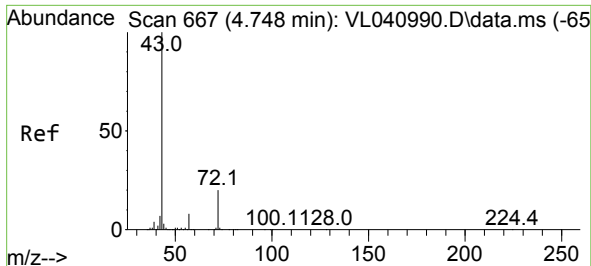
Tgt Ion: 57 Resp: 319478
Ion Ratio Lower Upper
57 100
41 93.0 74.4 111.6
43 72.1 190.6 285.8#
56 55.9 43.0 64.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.000 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 114 Resp: 2885148
Ion Ratio Lower Upper
114 100
63 24.8 20.8 31.2
88 17.8 14.3 21.5

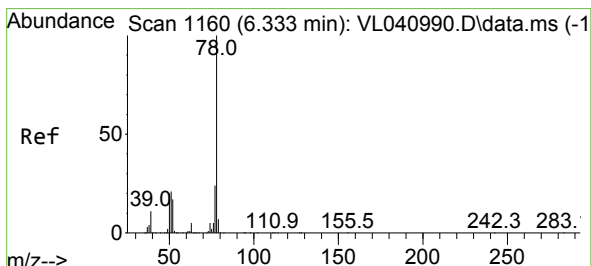
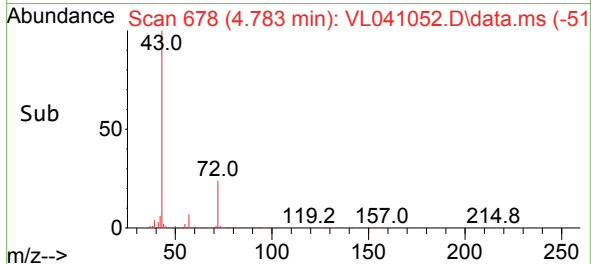
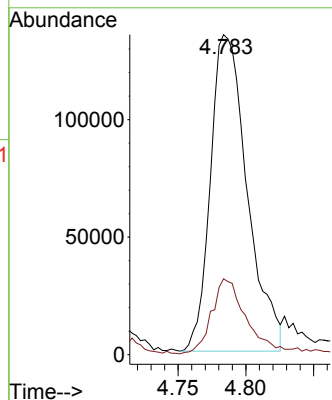
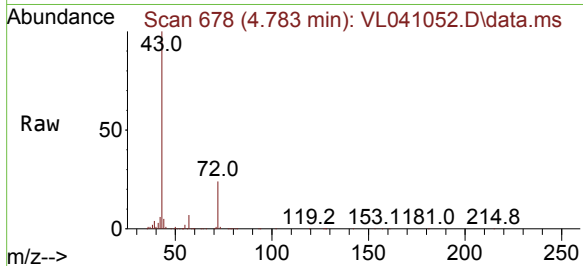




#34
2-Butanone
Concen: 1.849 ppbv
RT: 4.783 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

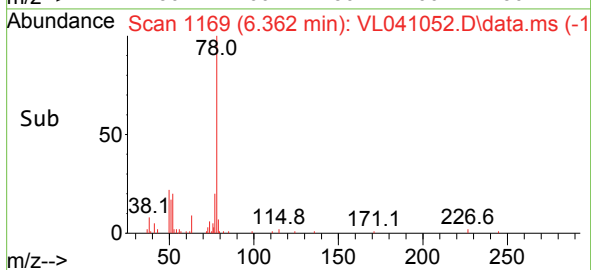
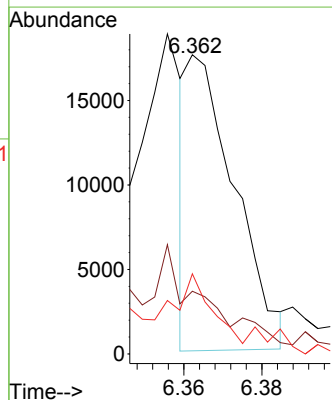
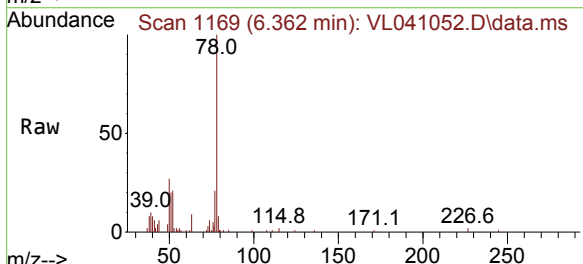
Instrument :
MSVOA_L
ClientSampleId :
SS2R

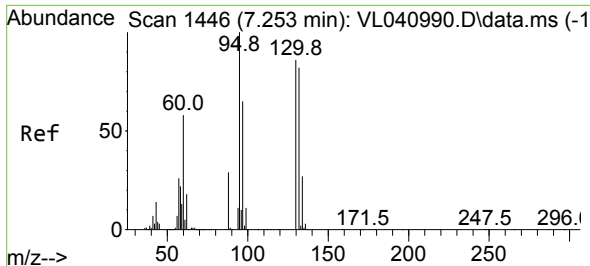
Tgt Ion: 43 Resp: 254180
Ion Ratio Lower Upper
43 100
72 24.1 17.5 26.3



#36
Benzene
Concen: 0.062 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 78 Resp: 14724
Ion Ratio Lower Upper
78 100
77 20.0 19.0 28.4
50 21.5 15.8 23.6

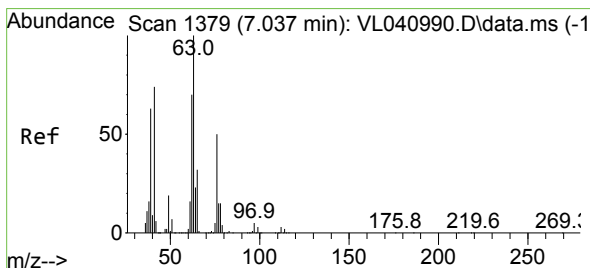
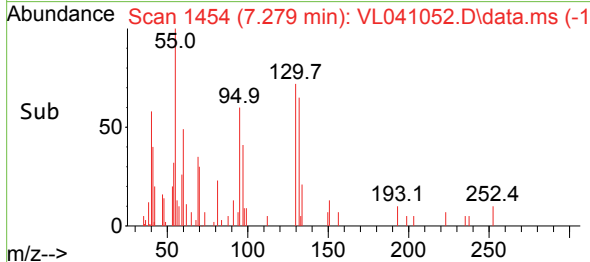
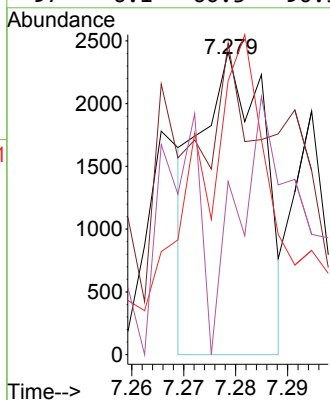
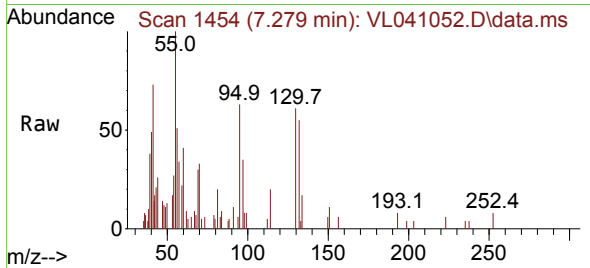




#38
 Trichloroethene
 Concen: 0.022 ppbv
 RT: 7.279 min Scan# 1446
 Delta R.T. 0.003 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

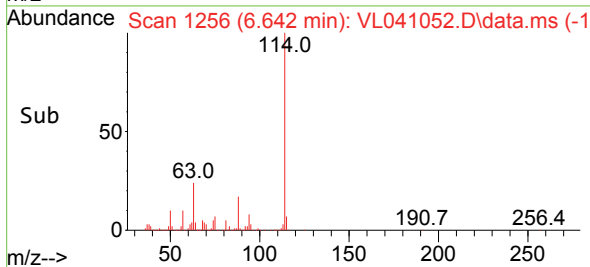
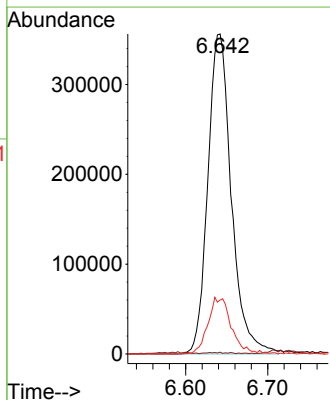
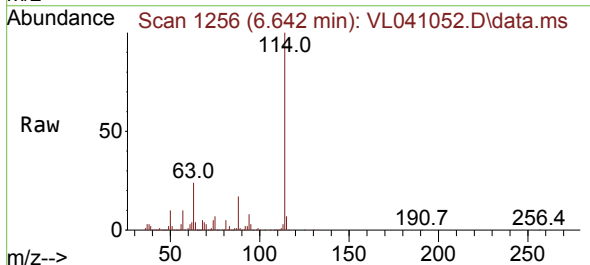
Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R

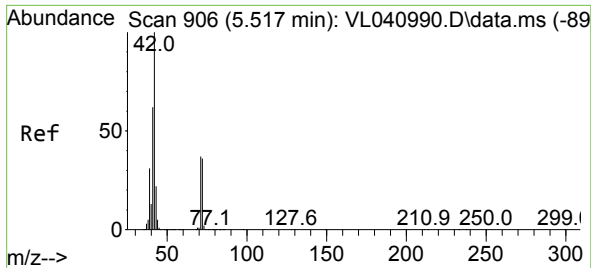
Tgt Ion:	130	Resp:	2090
Ion Ratio	Lower	Upper	
130	100		
95	55.4	92.9	139.3#
132	77.0	76.2	114.2
97	6.1	60.3	90.5#



#39
 1,2-Dichloropropane
 Concen: 7.573 ppbv
 RT: 6.642 min Scan# 1256
 Delta R.T. -0.415 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

Tgt Ion:	63	Resp:	710835
Ion Ratio	Lower	Upper	
63	100		
41	0.0	59.6	89.4#
62	16.9	55.6	83.4#

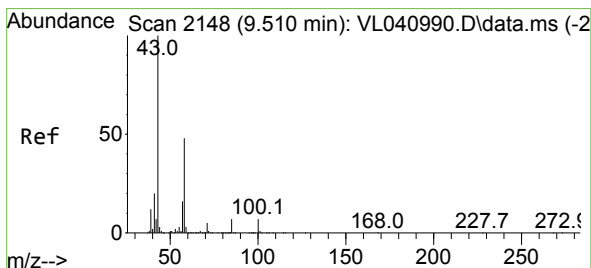
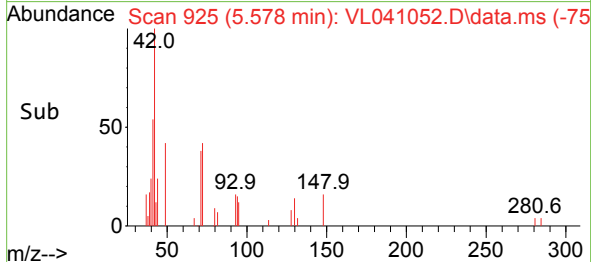
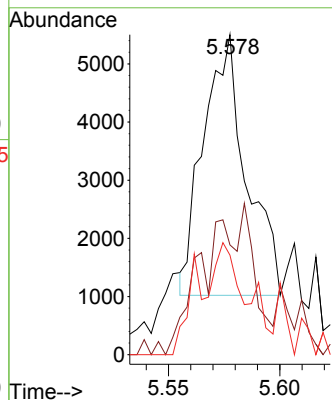
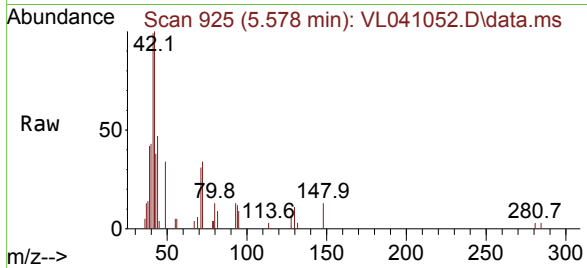




#41
Tetrahydrofuran
Concen: 0.064 ppbv
RT: 5.578 min Scan# 91
Delta R.T. 0.039 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

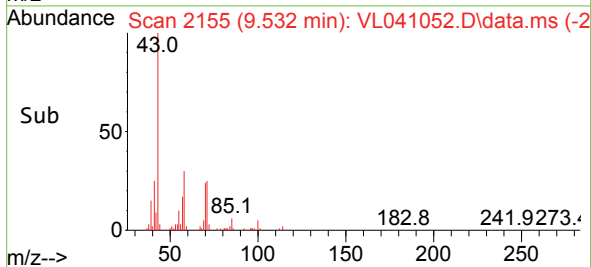
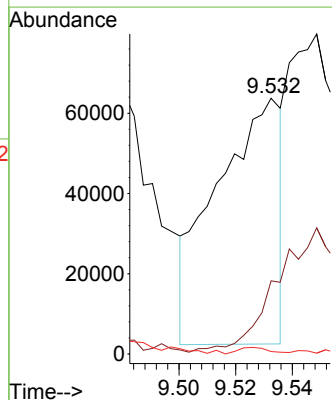
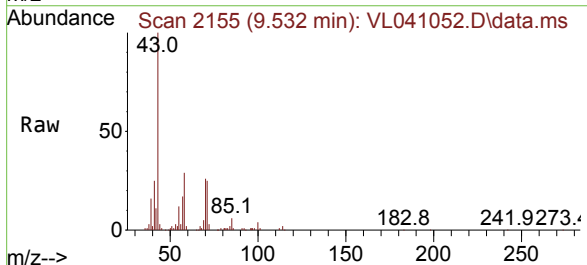
Instrument :
MSVOA_L
ClientSampleId :
SS2R

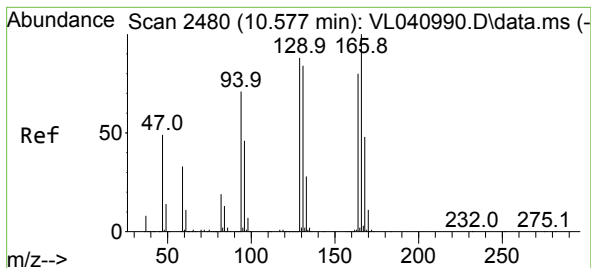
Tgt Ion: 42 Resp: 5974
Ion Ratio Lower Upper
42 100
72 84.3 30.0 45.0#
71 54.1 29.5 44.3#



#51
2-Hexanone
Concen: 0.557 ppbv
RT: 9.532 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 43 Resp: 97227
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2#
98 2.2 0.3 0.5#





#52

Tetrachloroethene

Concen: 18.461 ppbv

RT: 10.603 min Scan# 2488

Delta R.T. 0.000 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Instrument :

MSVOA_L

ClientSampleId :

SS2R

Tgt Ion:164 Resp: 1460808

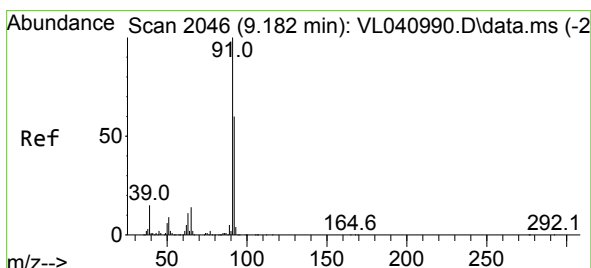
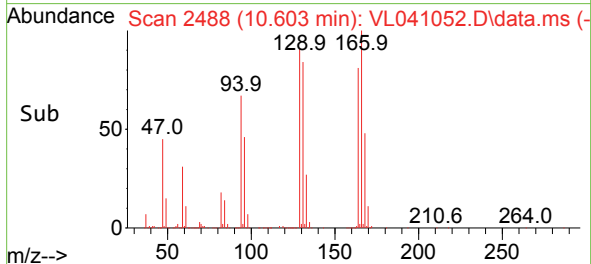
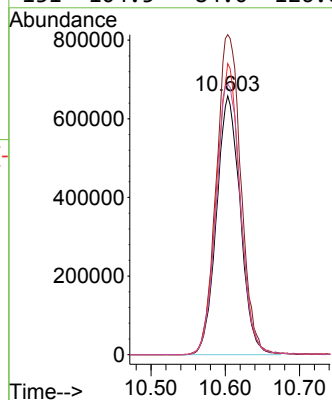
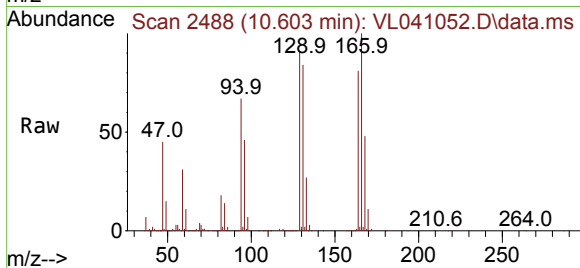
Ion Ratio Lower Upper

164 100

166 123.7 100.2 150.2

129 112.5 87.9 131.9

131 104.5 84.0 126.0



#53

Toluene

Concen: 0.912 ppbv

RT: 9.211 min Scan# 2055

Delta R.T. 0.003 min

Lab File: VL041052.D

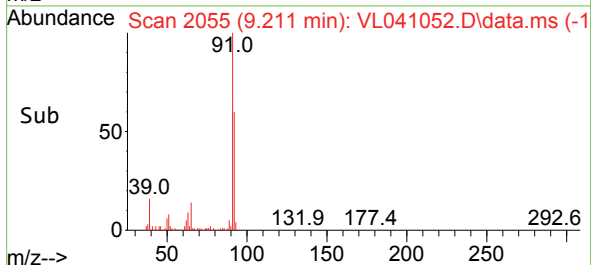
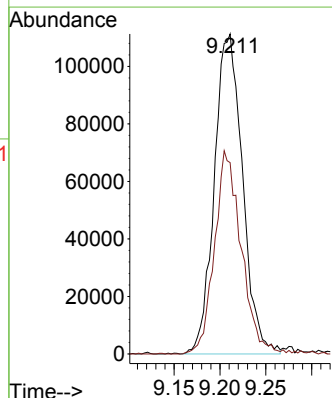
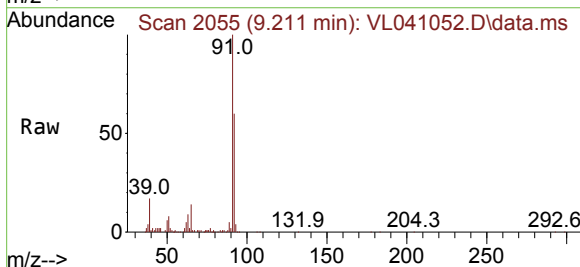
Acq: 9 Feb 2024 11:06

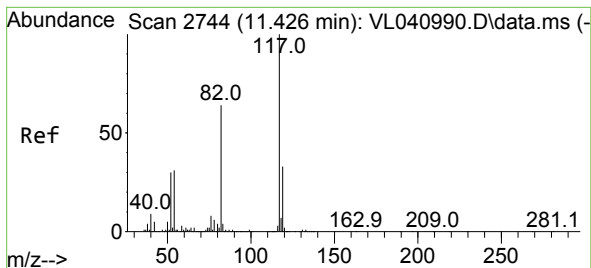
Tgt Ion: 91 Resp: 237999

Ion Ratio Lower Upper

91 100

92 60.6 48.6 72.8

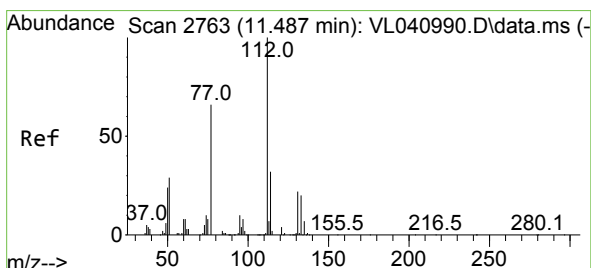
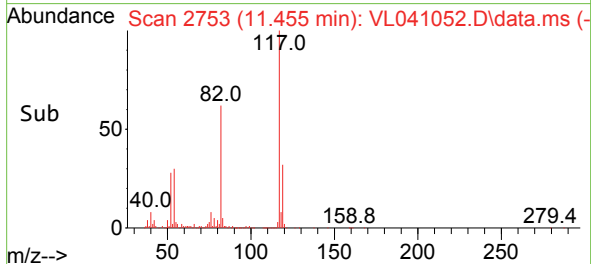
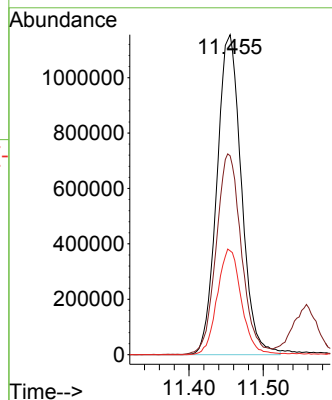
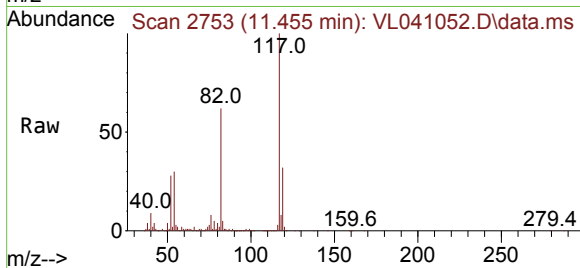




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

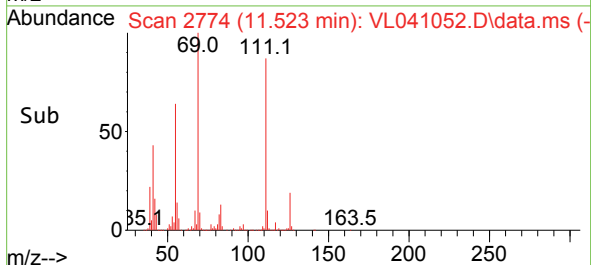
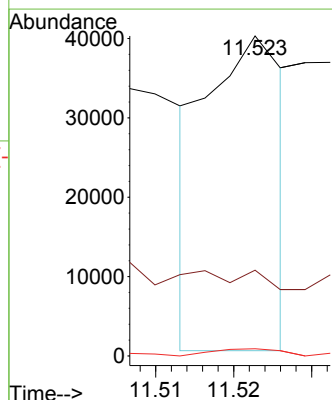
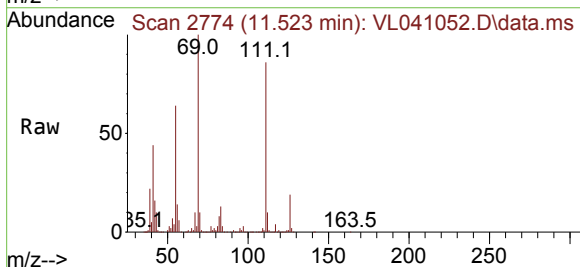
Instrument :
MSVOA_L
ClientSampleId :
SS2R

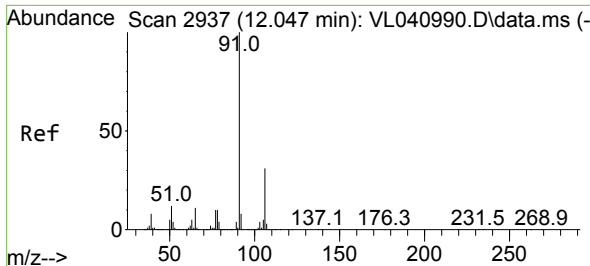
Tgt Ion:117 Resp: 2643424
Ion Ratio Lower Upper
117 100
82 64.9 51.7 77.5
119 33.2 23.8 35.6



#57
Chlorobenzene
Concen: 0.129 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.010 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion:112 Resp: 27335
Ion Ratio Lower Upper
112 100
77 27.7 53.4 80.0#
114 10.3 29.1 35.5#

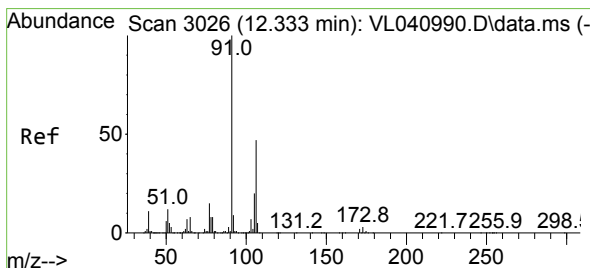
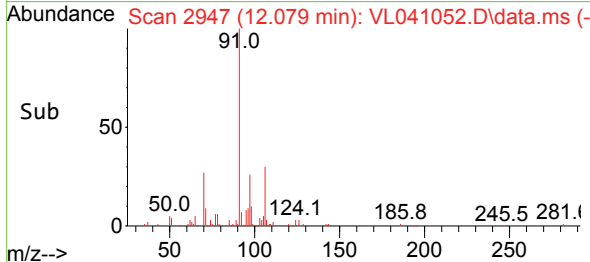
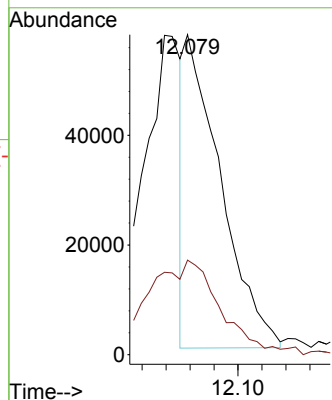
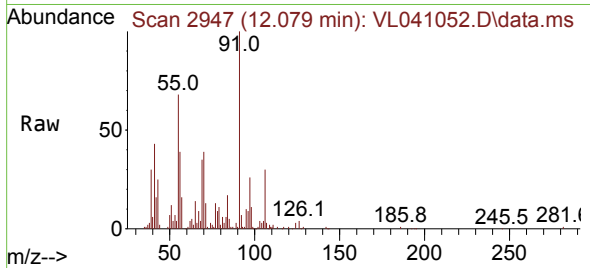




#58
Ethyl Benzene
Concen: 0.168 ppbv
RT: 12.079 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

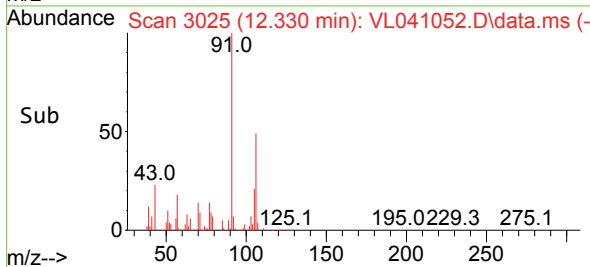
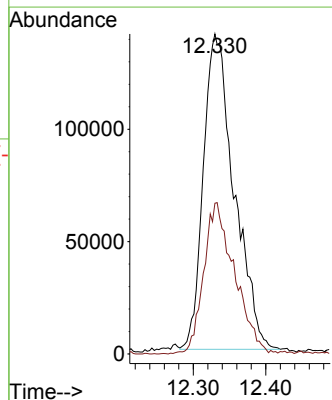
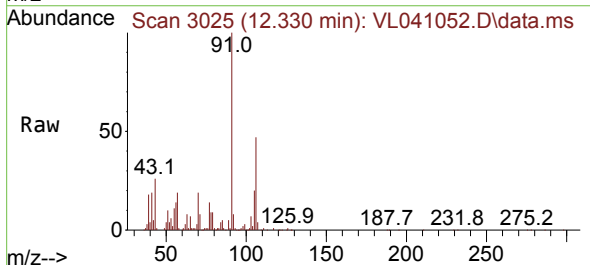
Instrument :
MSVOA_L
ClientSampleId :
SS2R

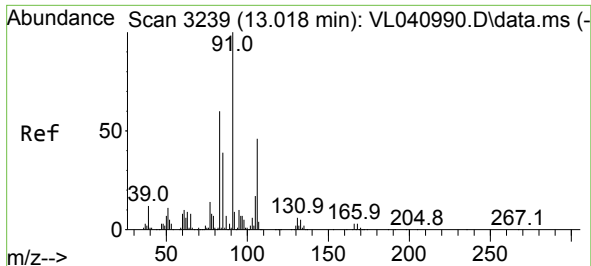
Tgt Ion: 91 Resp: 59530
Ion Ratio Lower Upper
91 100
106 29.0 24.8 37.2



#59
m/p-Xylene
Concen: 1.339 ppbv
RT: 12.330 min Scan# 3025
Delta R.T. -0.026 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 91 Resp: 414258
Ion Ratio Lower Upper
91 100
106 48.4 34.9 52.3

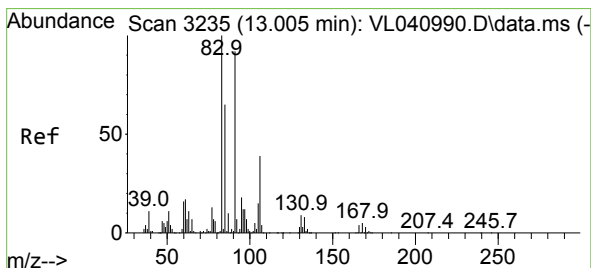
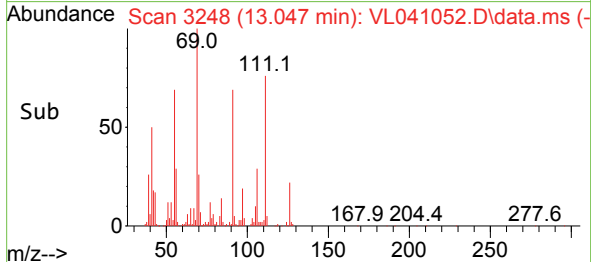
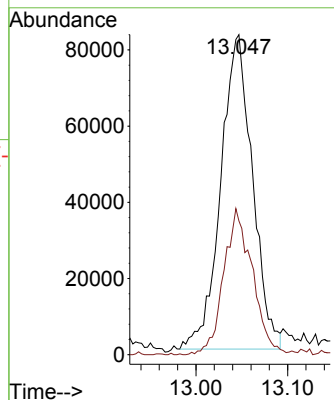
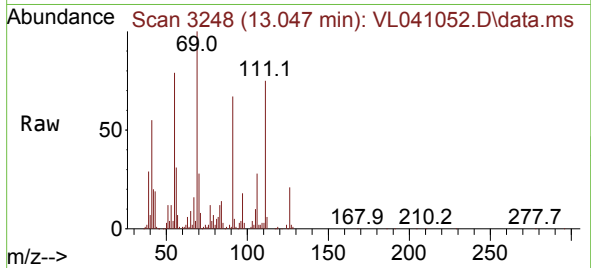




#60
o-Xylene
Concen: 0.669 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

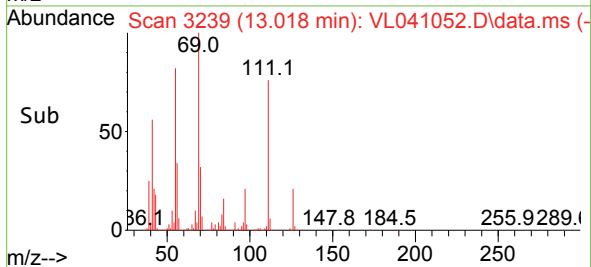
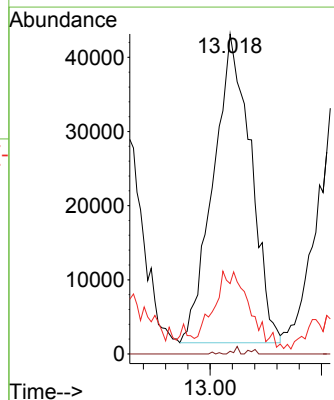
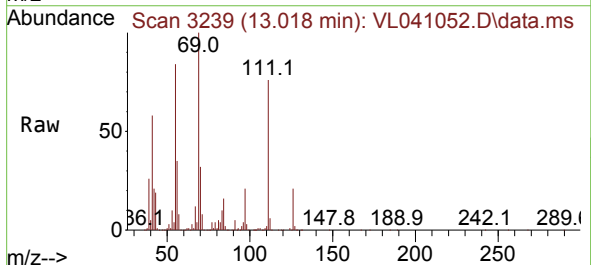
Instrument :
MSVOA_L
ClientSampleId :
SS2R

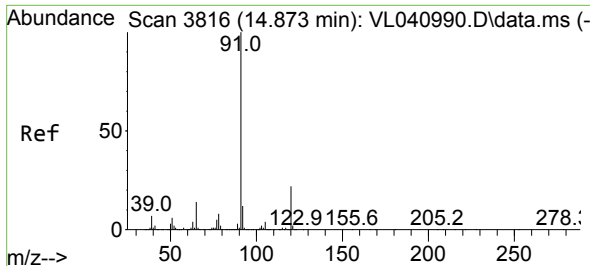
Tgt Ion: 91 Resp: 198623
Ion Ratio Lower Upper
91 100
106 42.1 22.6 67.7



#63
1,1,2,2-Tetrachloroethane
Concen: 0.422 ppbv
RT: 13.018 min Scan# 3239
Delta R.T. -0.016 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 83 Resp: 97326
Ion Ratio Lower Upper
83 100
131 0.6 4.6 13.8#
85 24.6 33.0 99.0#

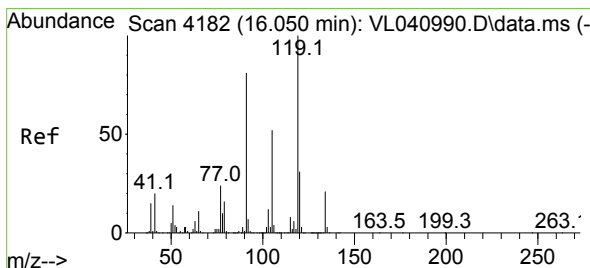
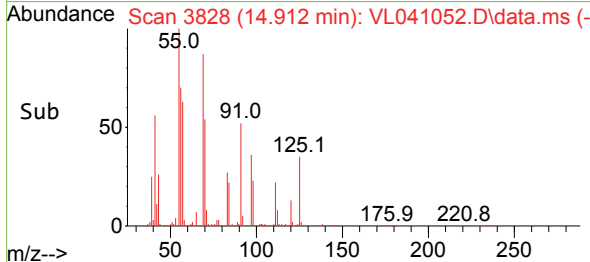
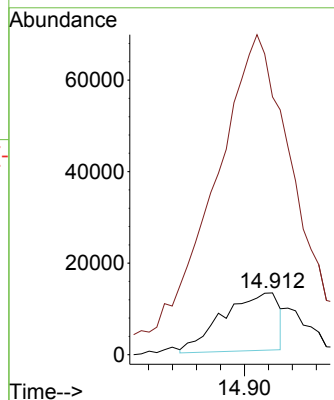
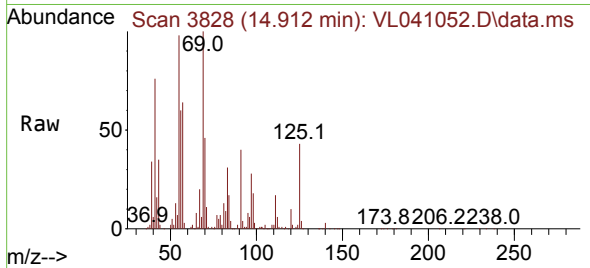




#64
n-propylbenzene
Concen: 0.185 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

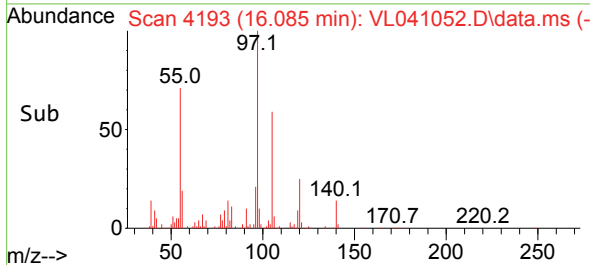
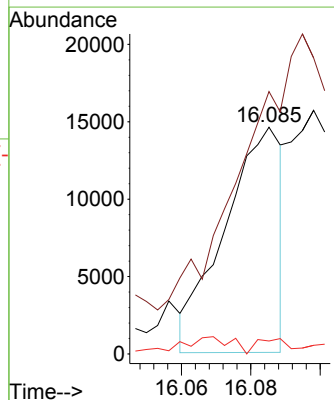
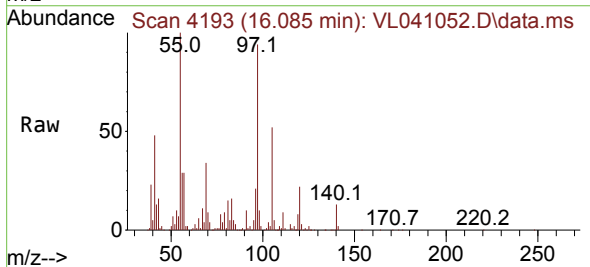
Instrument :
MSVOA_L
ClientSampleId :
SS2R

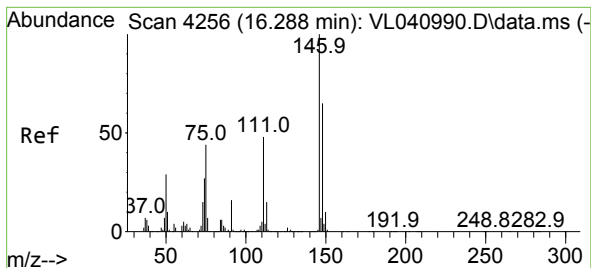
Tgt Ion:120 Resp: 20558
Ion Ratio Lower Upper
120 100
91 708.6 390.6 585.8#



#65
tert-Butylbenzene
Concen: 0.043 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion:119 Resp: 16672
Ion Ratio Lower Upper
119 100
91 0.0 67.6 101.4#
134 0.0 16.1 24.1#

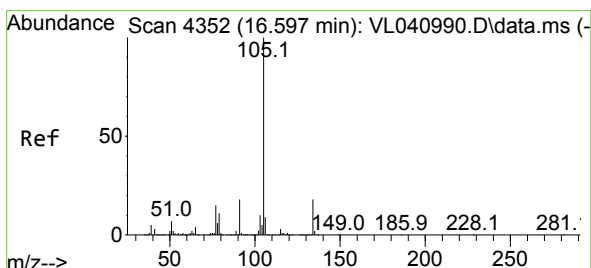
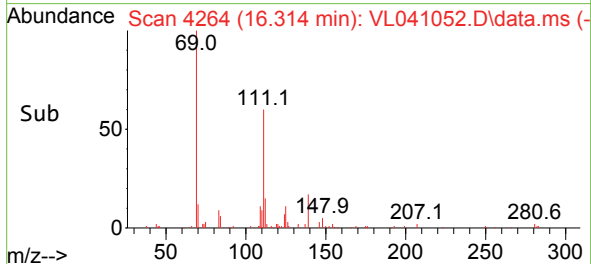
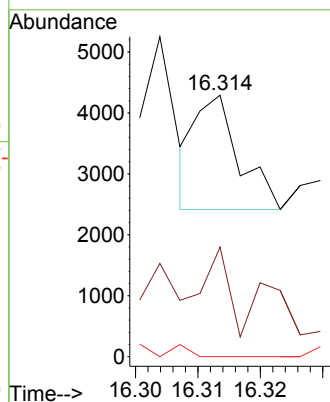
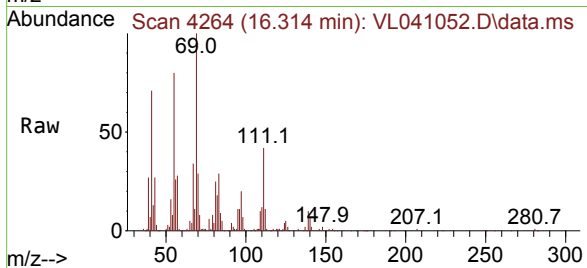




#66
Benzyl Chloride
Concen: 0.036 ppbv
RT: 16.314 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

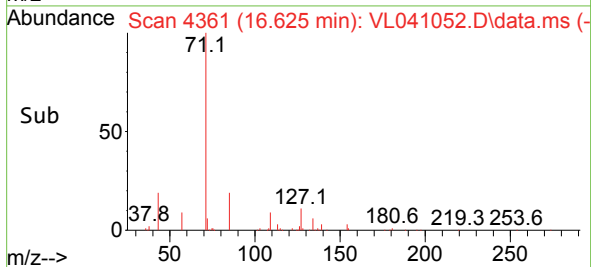
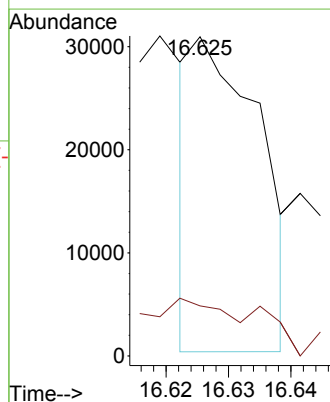
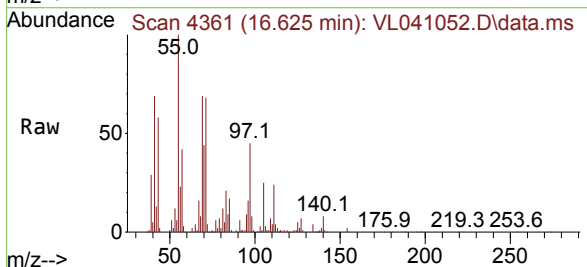
Instrument :
MSVOA_L
ClientSampleId :
SS2R

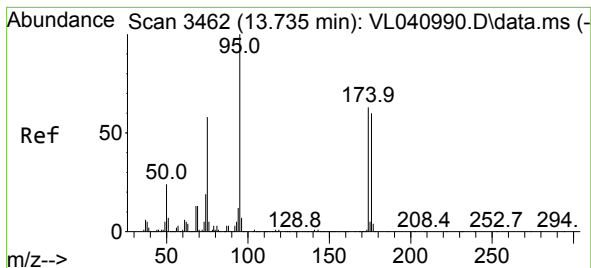
Tgt Ion: 91 Resp: 914
Ion Ratio Lower Upper
91 100
126 289.8 13.6 20.4#
128 0.0 4.2 6.2#



#67
sec-Butylbenzene
Concen: 0.041 ppbv
RT: 16.625 min Scan# 4361
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 105 Resp: 23064
Ion Ratio Lower Upper
105 100
134 54.4 14.2 21.4#

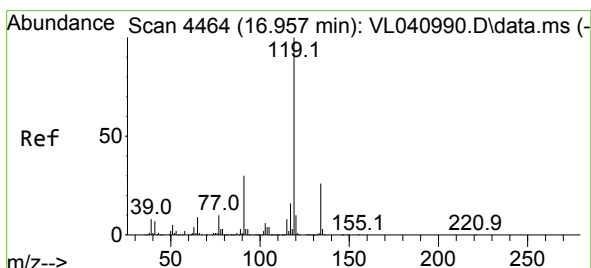
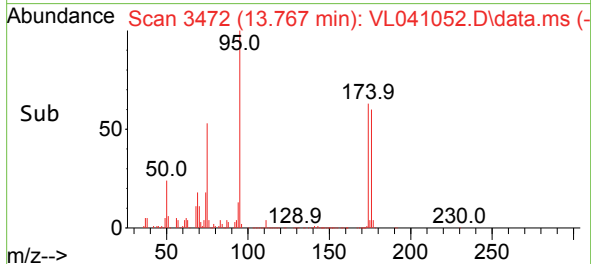
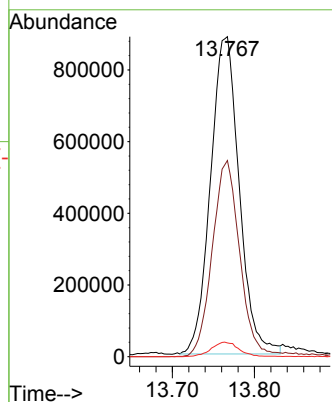
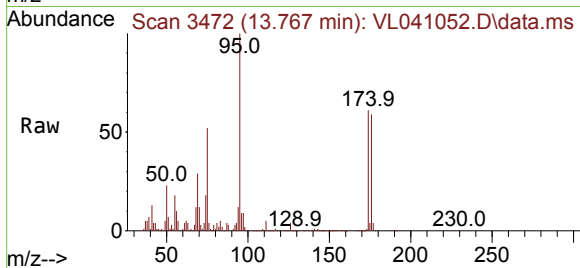




#68
1-Bromo-4-Fluorobenzene
Concen: 10.821 ppbv
RT: 13.767 min Scan# 3462
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

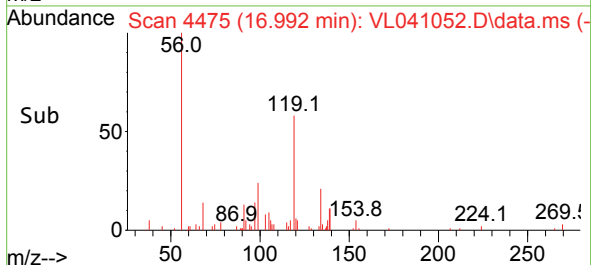
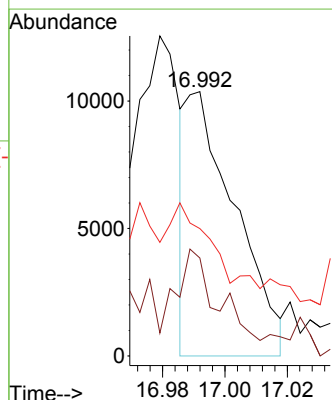
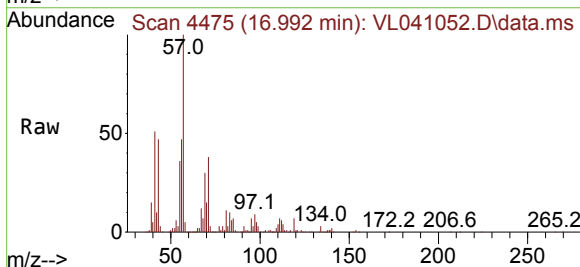
Instrument :
MSVOA_L
ClientSampleId :
SS2R

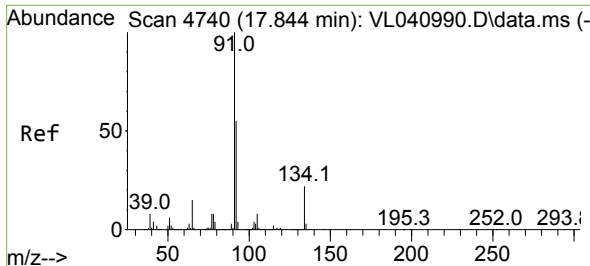
Tgt Ion: 95 Resp: 2160491
Ion Ratio Lower Upper
95 100
174 61.0 49.1 73.7
175 4.6 3.7 5.5



#69
p-Isopropyltoluene
Concen: 0.026 ppbv
RT: 16.992 min Scan# 4475
Delta R.T. 0.010 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 119 Resp: 11285
Ion Ratio Lower Upper
119 100
134 78.1 20.6 30.8#
91 0.0 24.5 36.7#

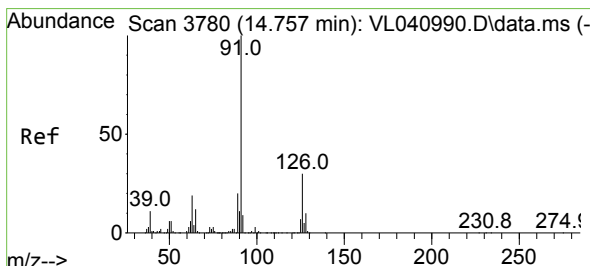
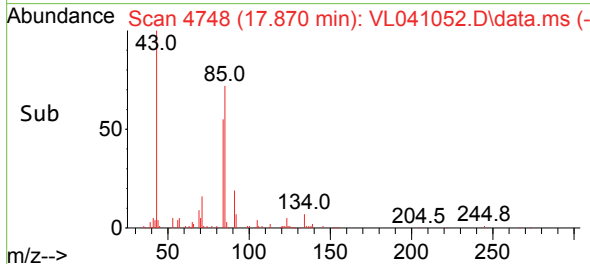
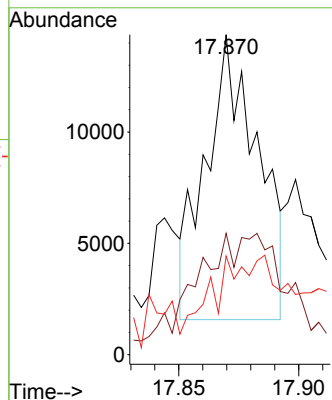
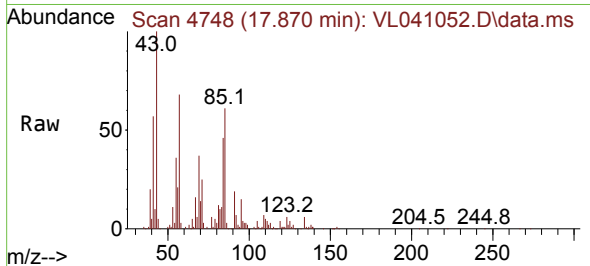




#70
n-Butylbenzene
Concen: 0.041 ppbv
RT: 17.870 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

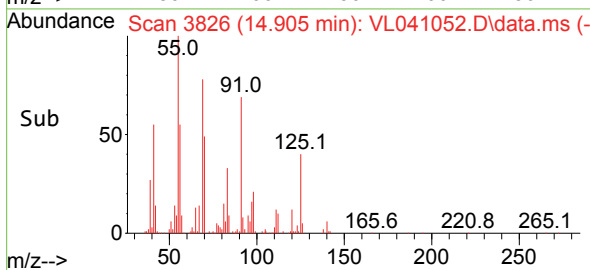
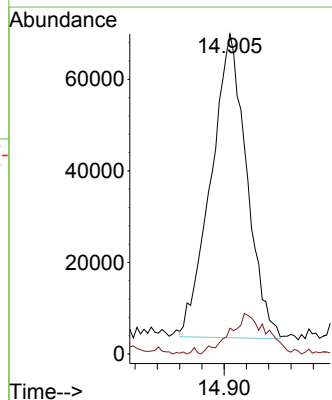
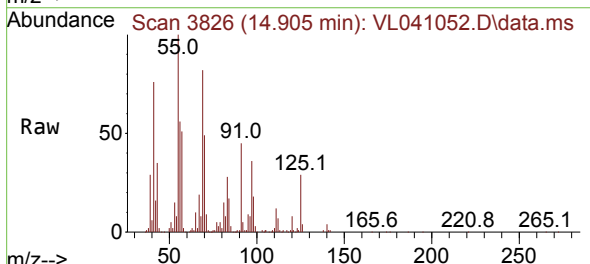
Instrument :
MSVOA_L
ClientSampleId :
SS2R

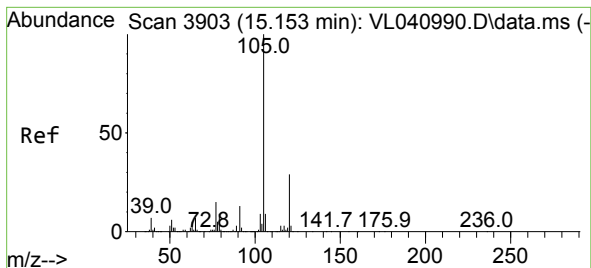
Tgt Ion: 91 Resp: 19315
Ion Ratio Lower Upper
91 100
92 79.0 43.4 65.0#
134 0.0 17.4 26.0#



#71
2-Chlorotoluene
Concen: 0.435 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.122 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Tgt Ion: 91 Resp: 147403
Ion Ratio Lower Upper
91 100
126 14.4 12.3 49.1





#72

4-Ethyltoluene

Concen: 0.278 ppbv

RT: 15.185 min Scan# 3913

Delta R.T. 0.006 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Instrument :

MSVOA_L

ClientSampleId :

SS2R

Tgt Ion:105 Resp: 92343

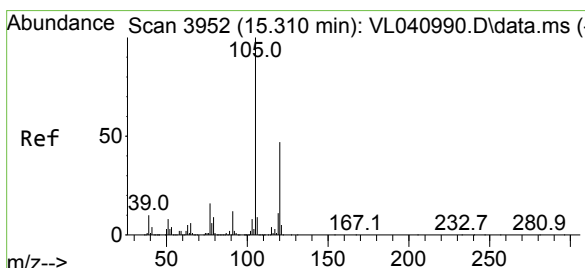
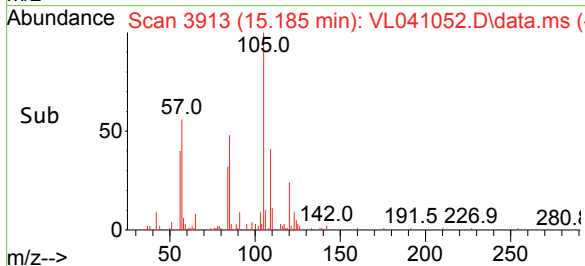
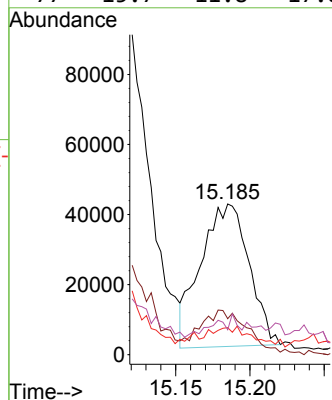
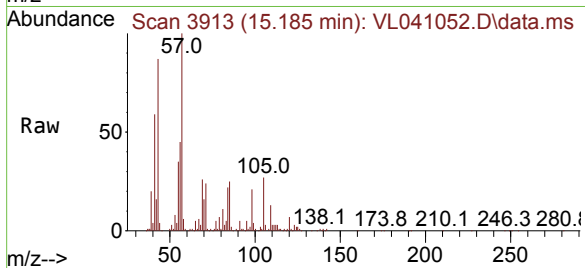
Ion Ratio Lower Upper

105 100

120 31.5 24.3 36.5

91 18.4 11.0 16.4#

77 15.7 11.8 17.8



#73

1,3,5-Trimethylbenzene

Concen: 0.427 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. 0.003 min

Lab File: VL041052.D

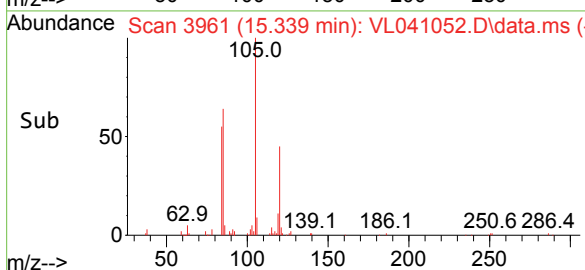
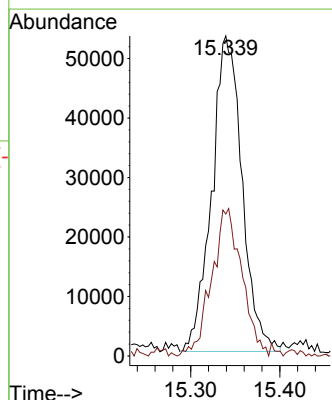
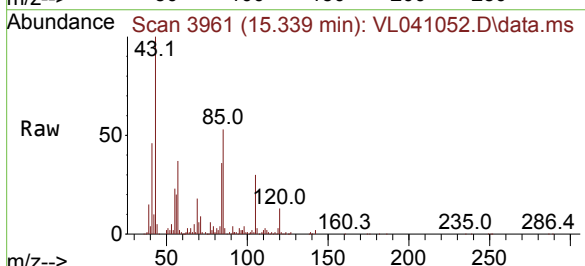
Acq: 9 Feb 2024 11:06

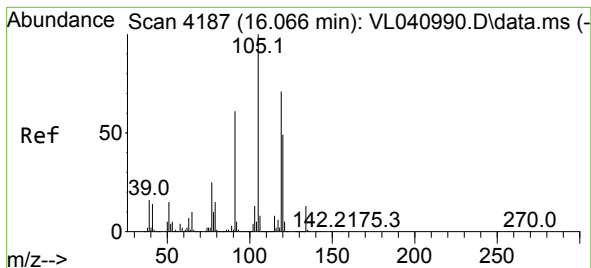
Tgt Ion:105 Resp: 125632

Ion Ratio Lower Upper

105 100

120 44.6 37.2 55.8





#74

1,2,4-Trimethylbenzene

Concen: 0.812 ppbv

RT: 16.095 min Scan# 4187

Delta R.T. -0.000 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Instrument :

MSVOA_L

ClientSampleId :

SS2R

Tgt Ion:105 Resp: 271088

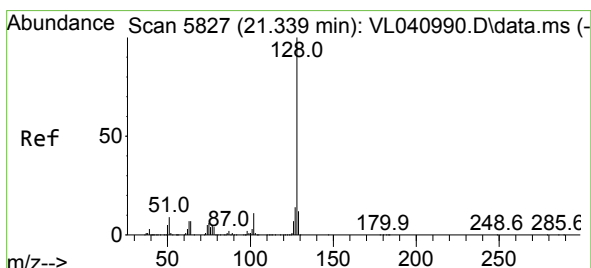
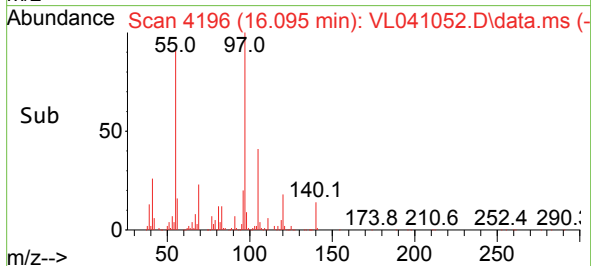
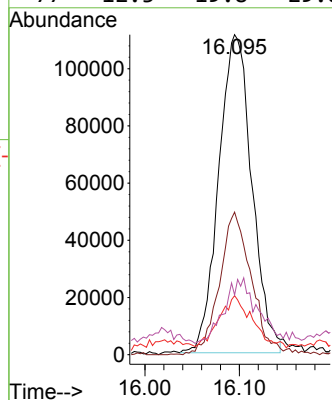
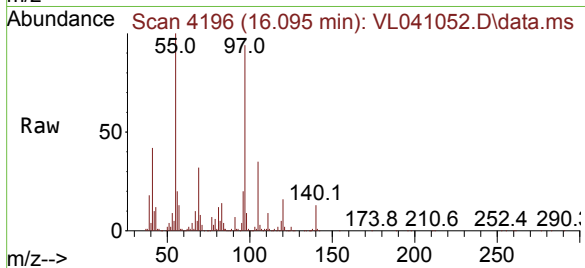
Ion Ratio Lower Upper

105 100

120 44.6 39.3 58.9

91 14.5 48.7 73.1#

77 12.3 19.8 29.8#



#79

Naphthalene

Concen: 0.022 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.006 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

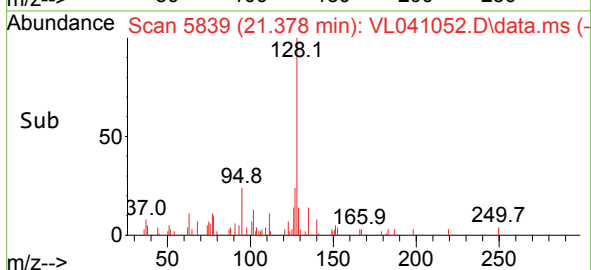
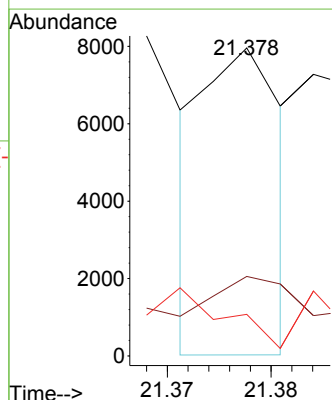
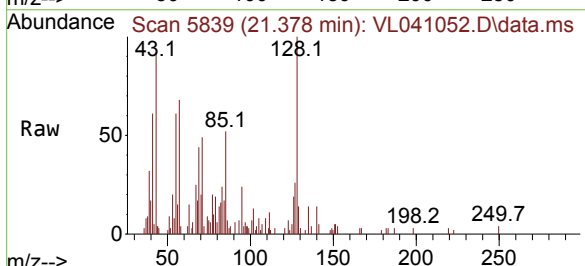
Tgt Ion:128 Resp: 4137

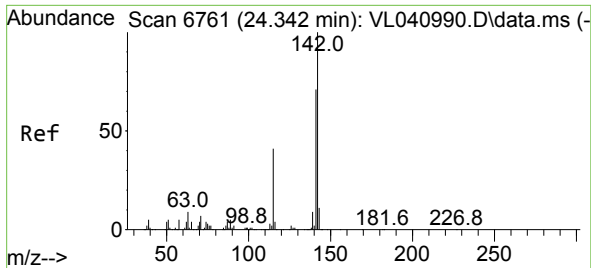
Ion Ratio Lower Upper

128 100

127 64.4 10.9 16.3#

129 55.0 9.3 13.9#





#80
 Naphthalene, 2-methyl-
 Concen: 0.043 ppbv
 RT: 24.757 min Scan# 61
 Delta R.T. 0.392 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R

Tgt Ion:	142	Resp:	1441
Ion	Ratio	Lower	Upper
142	100		
141	65.5	62.7	94.1
115	48.6	34.0	51.0

