

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040197.D
 Acq On : 21 Feb 2023 16:31
 Operator : SY/MD
 Sample : 01626-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-22

Quant Time: Feb 22 03:24:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	886377	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2218061	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	1954684	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1601595	9.964	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	27225	0.165	ppbv	95
3) Chlorodifluoromethane	2.652	51	1317578	12.443	ppbv #	71
4) Chloromethane	2.812	50	36837	0.554	ppbv	91
9) Propene	2.873	41	1260542	29.205	ppbv	95
10) Heptane	7.597	43	39565	0.385	ppbv	95
11) Trichlorofluoromethane	3.568	101	31134	0.210	ppbv	86
12) 1,1,2-Trichlorotrifluo...	4.076	101	4542	0.042	ppbv #	47
13) Ethanol	3.246	45	5857455	1474.144	ppbv	93
15) Acetone	3.468	43	2279746	21.363	ppbv	99
16) 1,3-Butadiene	2.967	39	45692	0.938	ppbv #	51
17) tert-Butyl alcohol	3.587	59	135996	1.397	ppbv	99
19) Isopropyl Alcohol	3.587	45	3662474	72.199	ppbv #	95
20) Methylene Chloride	3.941	84	313482	5.643	ppbv	98
21) Allyl Chloride	3.938	41	4030	0.062	ppbv #	1
23) Vinyl Acetate	4.623	43	79022	2.440	ppbv #	44
25) Ethyl Acetate	5.224	43	284515	1.434	ppbv #	91
26) Hexane	5.224	57	235947	2.771	ppbv #	56
29) Chloroform	5.288	83	5342	0.037	ppbv	88
30) Cyclohexane	6.623	84	17455	0.261	ppbv #	82
31) cis-1,2-Dichloroethene	5.208	61	9312	0.115	ppbv #	25
34) 2-Butanone	4.799	43	59148	0.541	ppbv #	81
35) Carbon Tetrachloride	6.510	117	5459	0.042	ppbv	89
36) Benzene	6.388	78	240639	1.394	ppbv	99
37) 1,2-Dichloroethane	5.819	62	11842	0.110	ppbv	99
39) 1,2-Dichloropropane	6.671	63	559523	8.333	ppbv #	25
41) Tetrahydrofuran	5.584	42	14606	0.230	ppbv	94
44) 2,2,4-Trimethylpentane	7.346	57	149145	0.518	ppbv #	86
50) 4-Methyl-2-Pentanone	8.204	43	9260	0.055	ppbv #	38
52) Tetrachloroethene	10.635	164	2787	0.052	ppbv #	1
53) Toluene	9.243	91	594251	3.214	ppbv	100
58) Ethyl Benzene	12.114	91	104468	0.440	ppbv	92
59) m/p-Xylene	12.368	91	287370	1.366	ppbv	97
60) o-Xylene	13.085	91	110376	0.545	ppbv	99
61) Styrene	12.925	104	8450	0.080	ppbv #	25
64) n-propylbenzene	15.150	120	3247	0.045	ppbv	75
69) p-Isopropyltoluene	17.024	119	22435	0.078	ppbv #	55
71) 2-Chlorotoluene	14.931	91	7726	0.035	ppbv #	45
72) 4-Ethyltoluene	15.217	105	9411	0.042	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.378	105	7161	0.034	ppbv #	72
74) 1,2,4-Trimethylbenzene	16.133	105	54316	0.238	ppbv #	68
75) 1,3-Dichlorobenzene	16.503	146	38467	0.307	ppbv	92
76) 1,4-Dichlorobenzene	16.503	146	38467	0.314	ppbv	92
79) Naphthalene	21.416	128	8527	0.066	ppbv #	84

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
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Instrument :
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IA-22

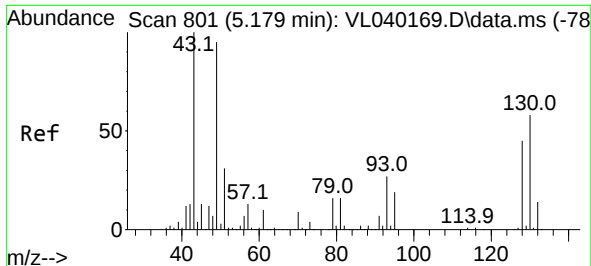
Quant Time: Feb 22 03:24:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration

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

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

Instrument :
MSVOA_L
ClientSampleId :
IA-22

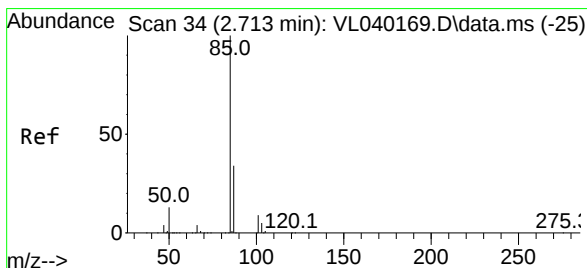
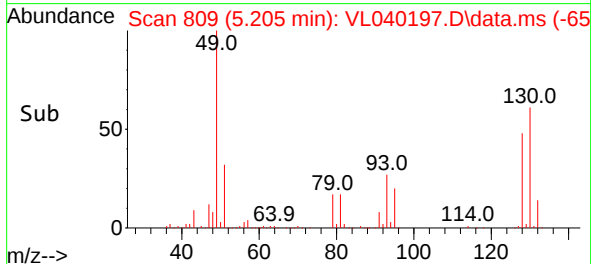
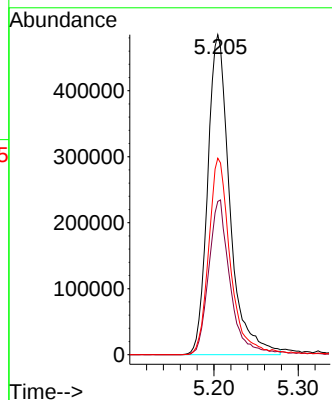
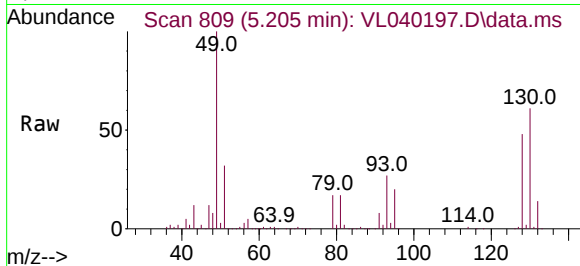
[illegible]



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

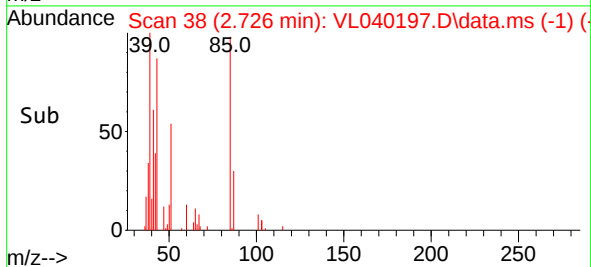
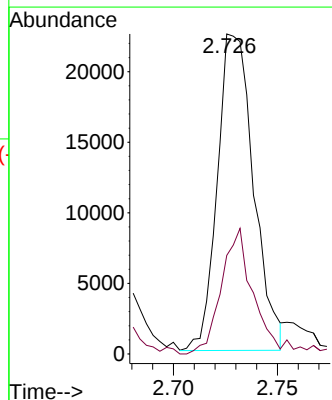
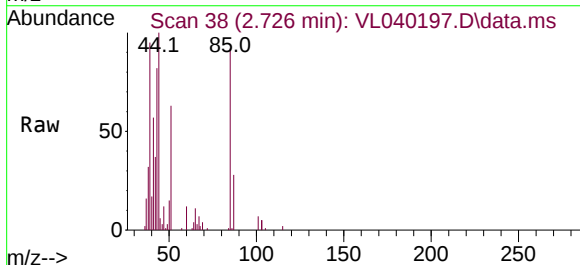
Instrument :
MSVOA_L
ClientSampleId :
IA-22

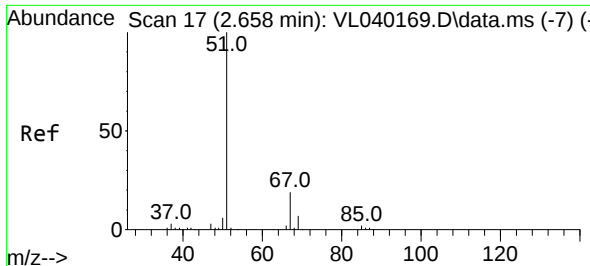
Tgt Ion: 49 Resp: 886377
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.3
130 61.4 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.165 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 85 Resp: 27225
Ion Ratio Lower Upper
85 100
87 31.1 27.0 40.6

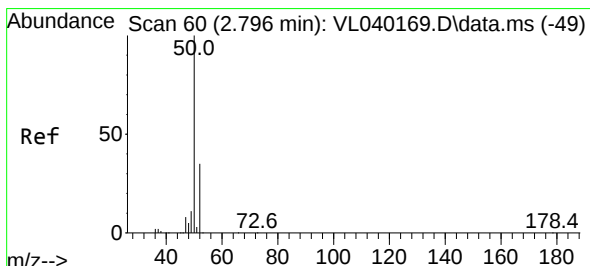
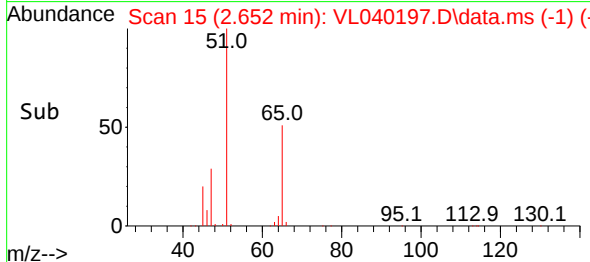
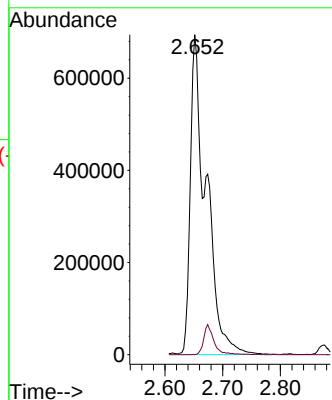
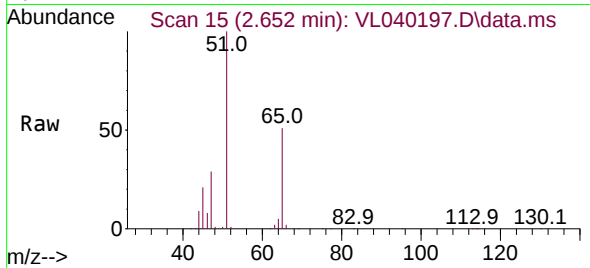




#3
Chlorodifluoromethane
Concen: 12.443 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.023 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

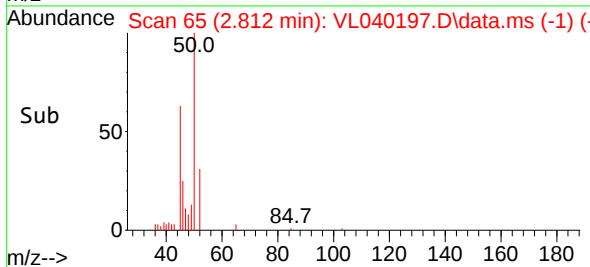
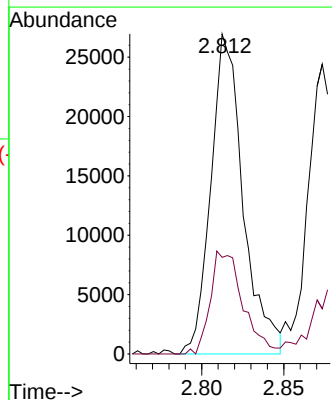
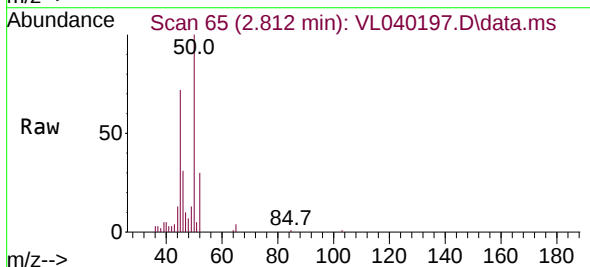
Instrument :
MSVOA_L
ClientSampleId :
IA-22

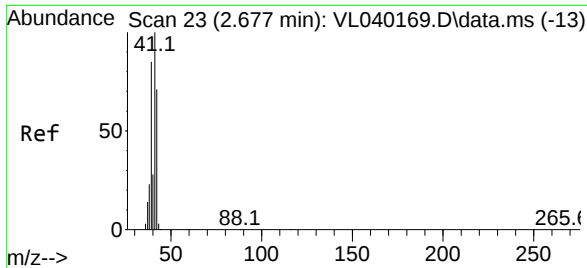
Tgt Ion: 51 Resp: 1317578
Ion Ratio Lower Upper
51 100
67 6.2 15.4 23.2#



#4
Chloromethane
Concen: 0.554 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.000 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 50 Resp: 36837
Ion Ratio Lower Upper
50 100
52 30.2 28.3 42.5





#9

Propene

Concen: 29.205 ppbv

RT: 2.873 min Scan# 84

Delta R.T. 0.180 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

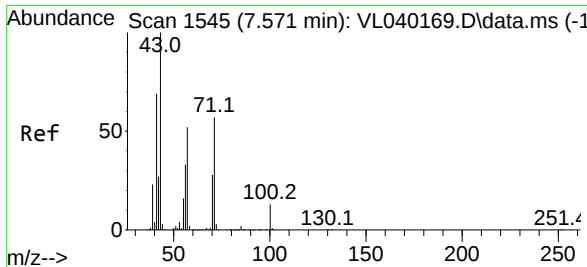
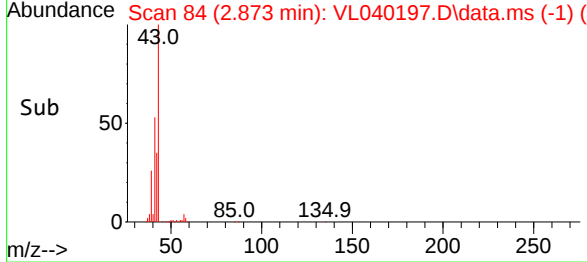
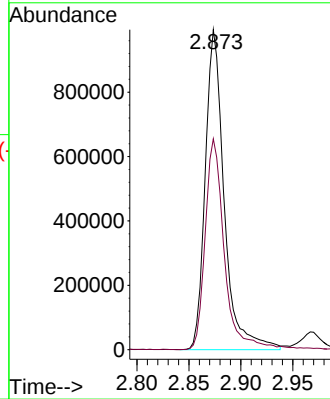
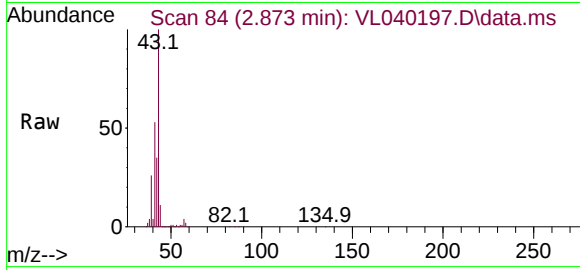
IA-22

Tgt Ion: 41 Resp: 1260542

Ion Ratio Lower Upper

41 100

42 67.2 56.9 85.3



#10

Heptane

Concen: 0.385 ppbv

RT: 7.597 min Scan# 1553

Delta R.T. -0.007 min

Lab File: VL040197.D

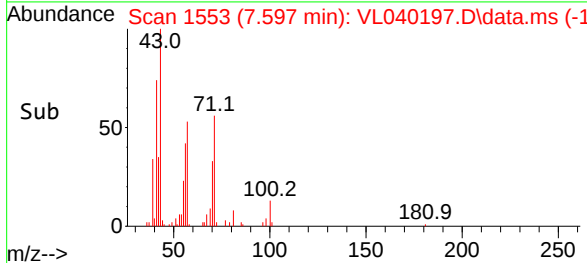
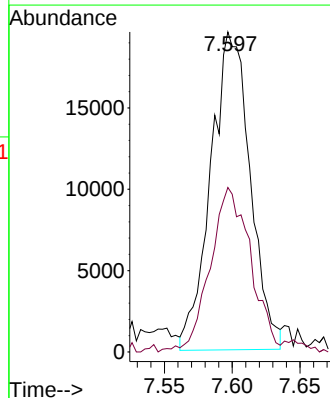
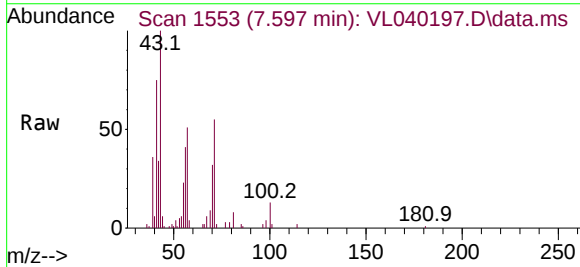
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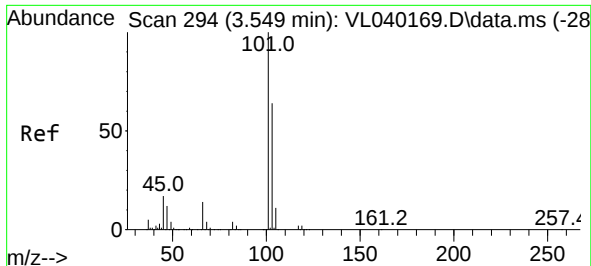
Tgt Ion: 43 Resp: 39565

Ion Ratio Lower Upper

43 100

57 55.2 41.4 62.2

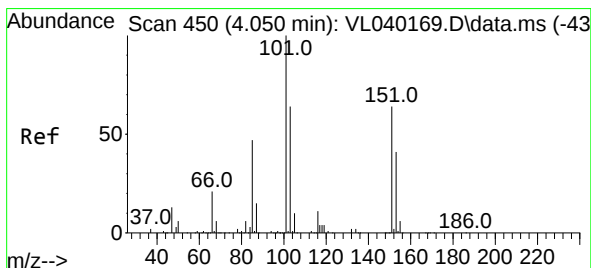
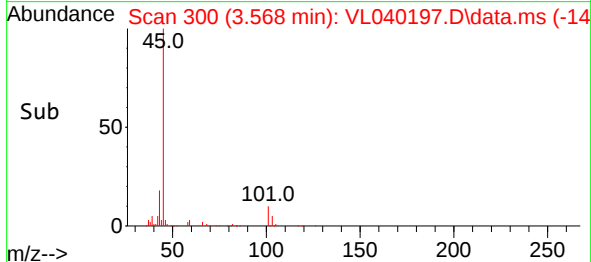
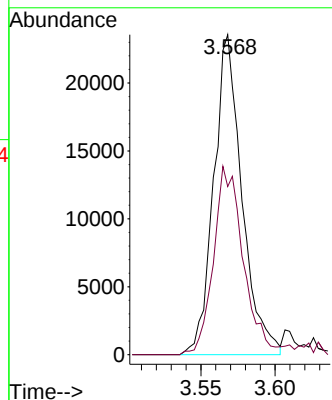
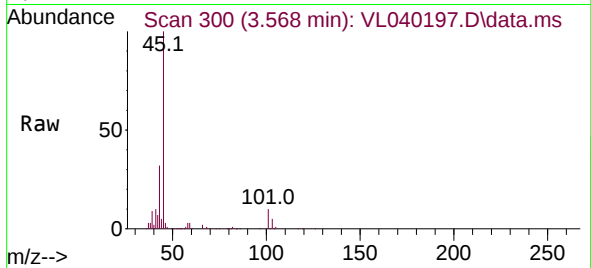




#11
Trichlorofluoromethane
Concen: 0.210 ppbv
RT: 3.568 min Scan# 300
Delta R.T. -0.000 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

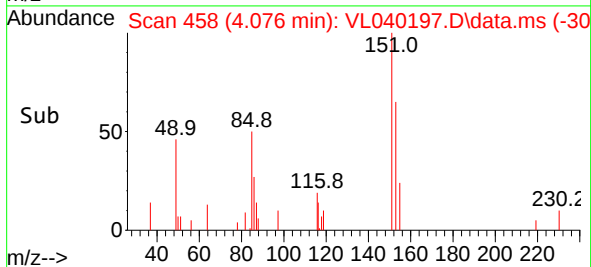
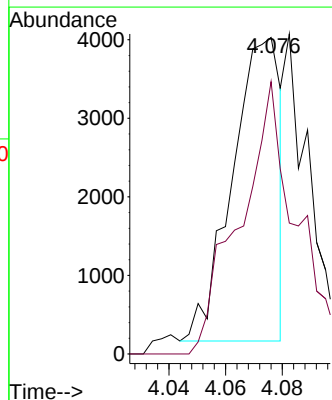
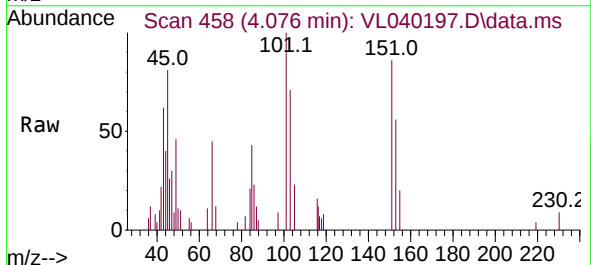
Instrument :
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ClientSampleId :
IA-22

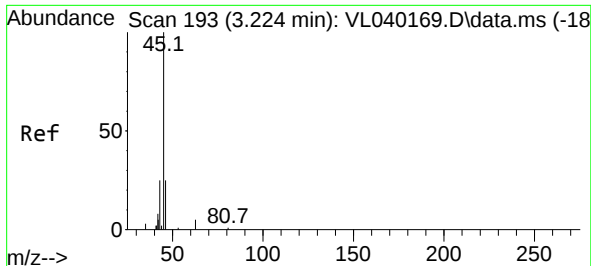
Tgt Ion:101 Resp: 31134
Ion Ratio Lower Upper
101 100
103 52.6 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.042 ppbv
RT: 4.076 min Scan# 458
Delta R.T. 0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion:101 Resp: 4542
Ion Ratio Lower Upper
101 100
151 111.2 54.7 82.1#

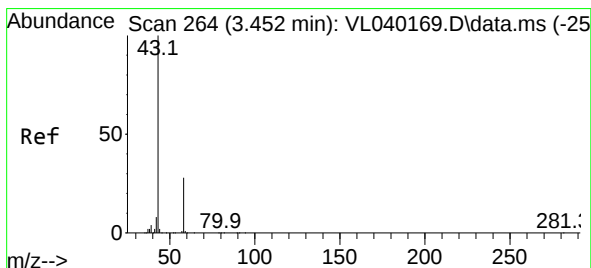
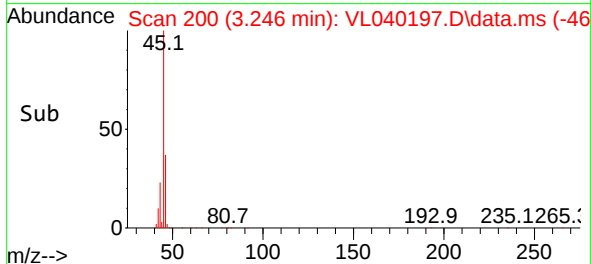
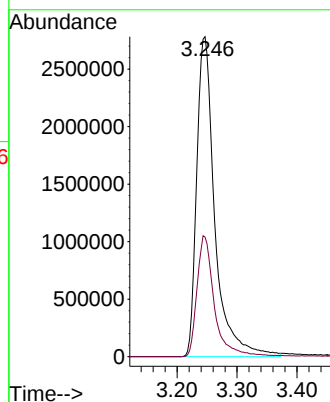
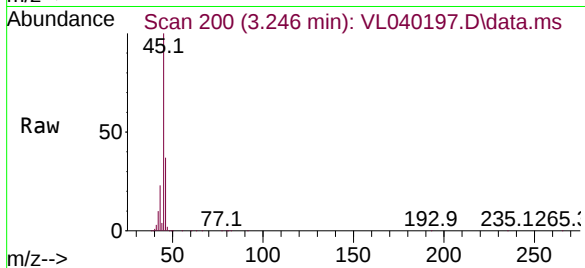




#13
Ethanol
Concen: 1474.144 ppbv
RT: 3.246 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

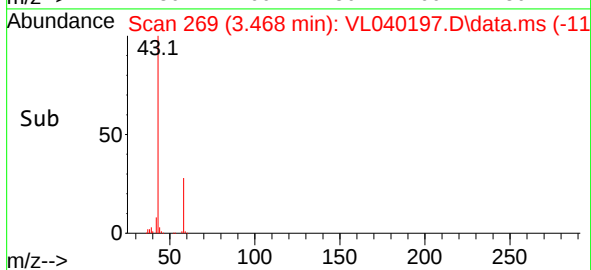
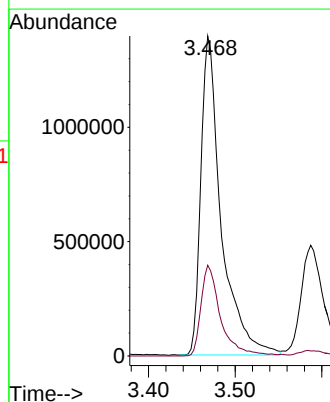
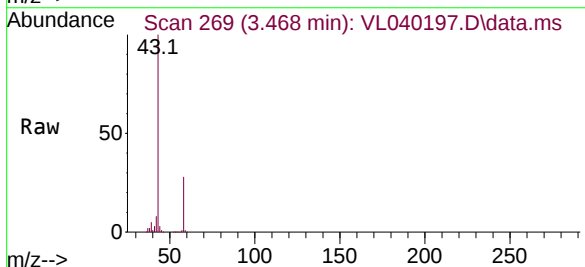
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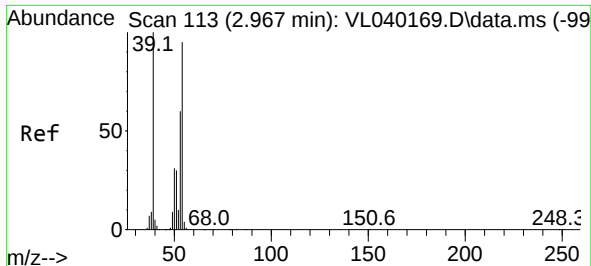
Tgt Ion: 45 Resp: 5857455
Ion Ratio Lower Upper
45 100
46 37.0 13.3 53.1



#15
Acetone
Concen: 21.363 ppbv
RT: 3.468 min Scan# 269
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 43 Resp: 2279746
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6

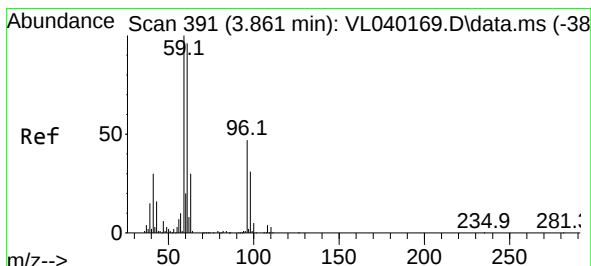
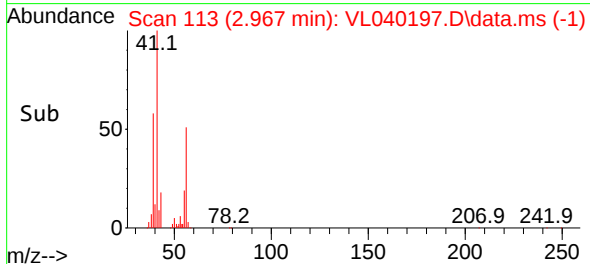
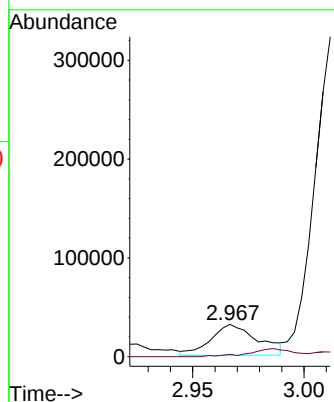
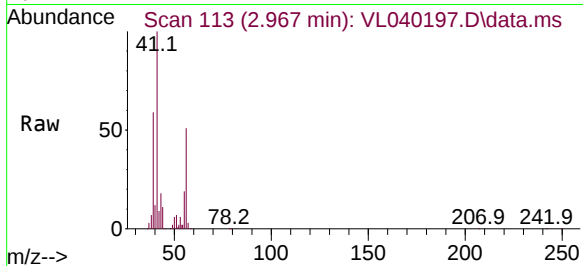




#16
1,3-Butadiene
Concen: 0.938 ppbv
RT: 2.967 min Scan# 113
Delta R.T. -0.019 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

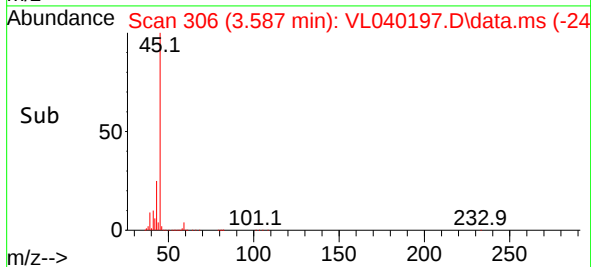
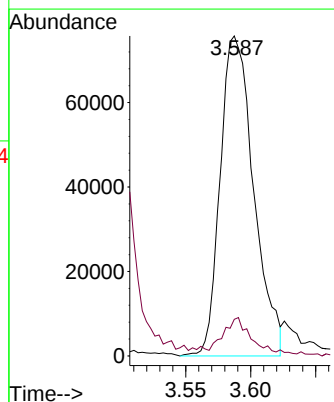
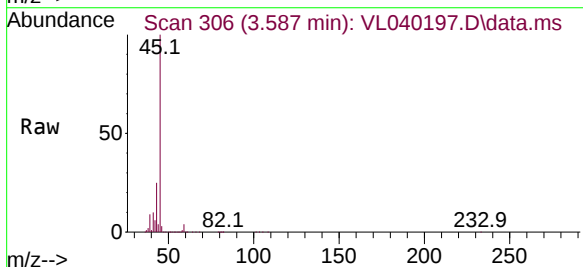
Instrument :
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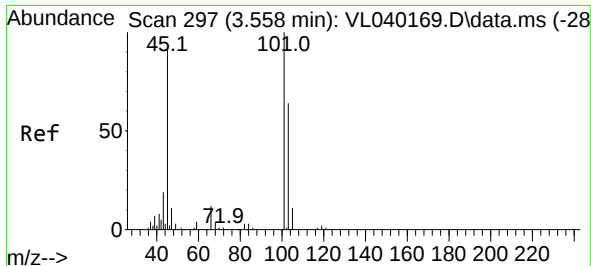
Tgt Ion: 39 Resp: 45692
Ion Ratio Lower Upper
39 100
54 39.5 66.7 100.1#



#17
tert-Butyl alcohol
Concen: 1.397 ppbv
RT: 3.587 min Scan# 306
Delta R.T. -0.299 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 59 Resp: 135996
Ion Ratio Lower Upper
59 100
57 11.1 8.5 12.7





#19

Isopropyl Alcohol

Concen: 72.199 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.006 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

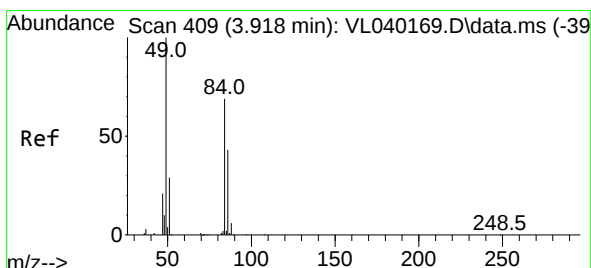
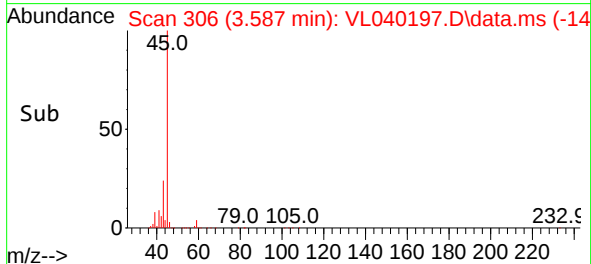
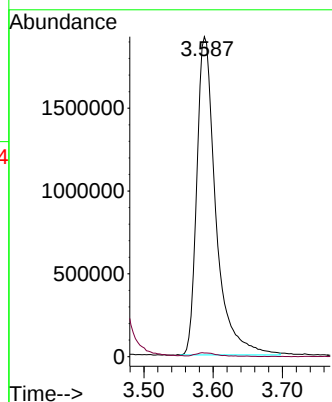
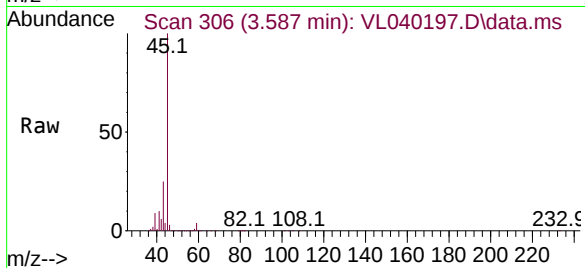
IA-22

Tgt Ion: 45 Resp: 3662474

Ion Ratio Lower Upper

45 100

58 1.4 2.6 3.8#



#20

Methylene Chloride

Concen: 5.643 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.003 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Tgt Ion: 84 Resp: 313482

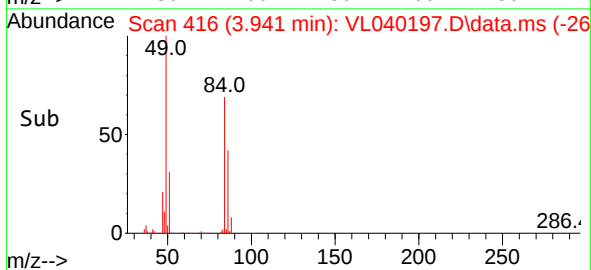
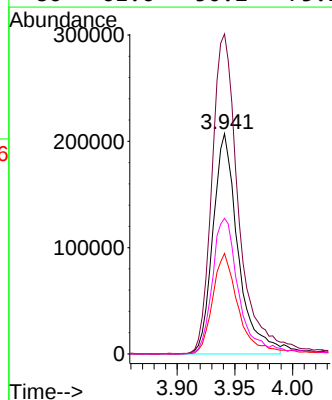
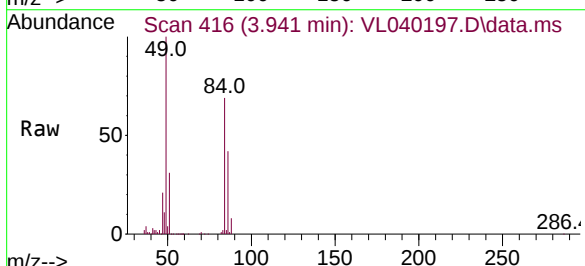
Ion Ratio Lower Upper

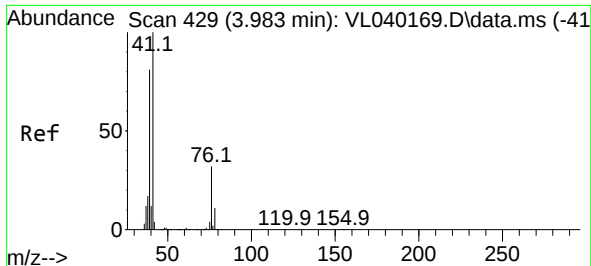
84 100

49 145.1 115.5 173.3

51 45.5 33.1 49.7

86 61.6 50.2 75.2

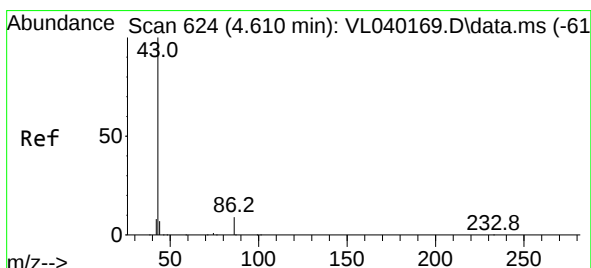
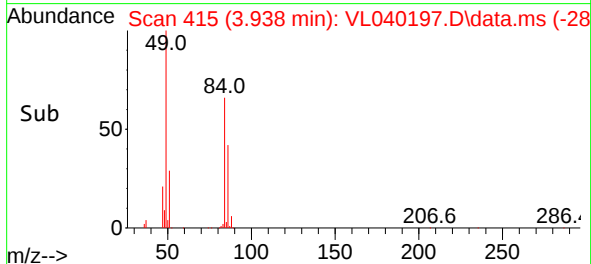
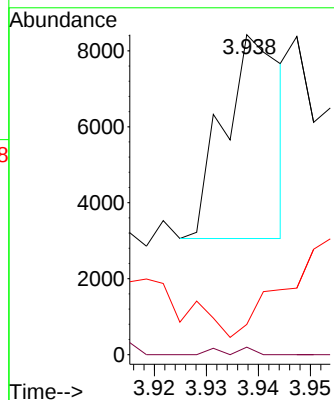
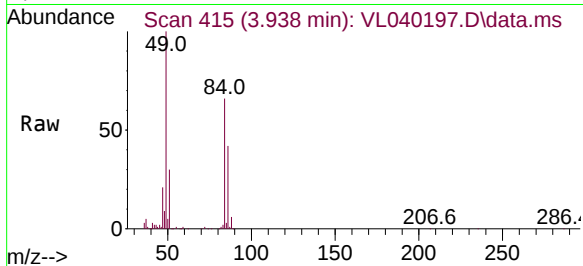




#21
 Allyl Chloride
 Concen: 0.062 ppbv
 RT: 3.938 min Scan# 41
 Delta R.T. -0.064 min
 Lab File: VL040197.D
 Acq: 21 Feb 2023 16:31

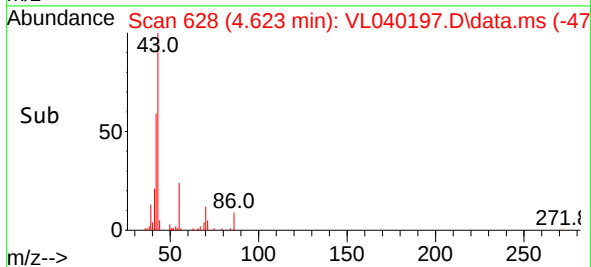
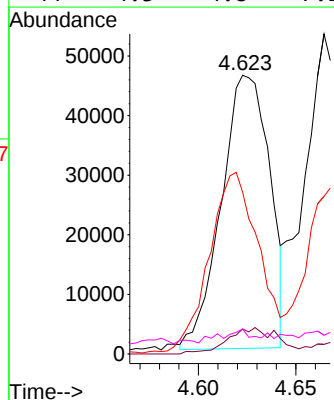
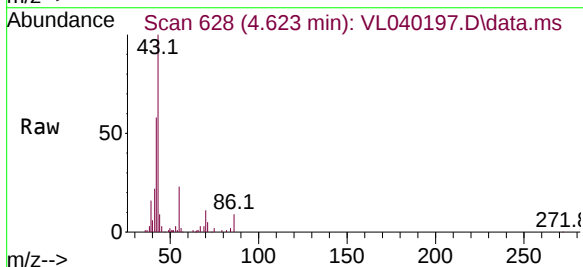
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-22

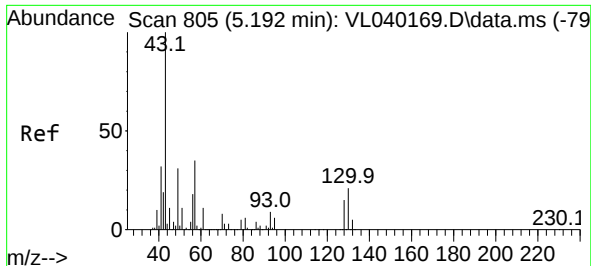
Tgt Ion: 41 Resp: 4030
 Ion Ratio Lower Upper
 41 100
 76 29.3 25.5 38.3
 39 258.5 64.5 96.7#



#23
 Vinyl Acetate
 Concen: 2.440 ppbv
 RT: 4.623 min Scan# 628
 Delta R.T. -0.016 min
 Lab File: VL040197.D
 Acq: 21 Feb 2023 16:31

Tgt Ion: 43 Resp: 79022
 Ion Ratio Lower Upper
 43 100
 86 9.3 5.6 8.4#
 42 54.9 7.6 11.4#
 44 4.3 4.8 7.2#

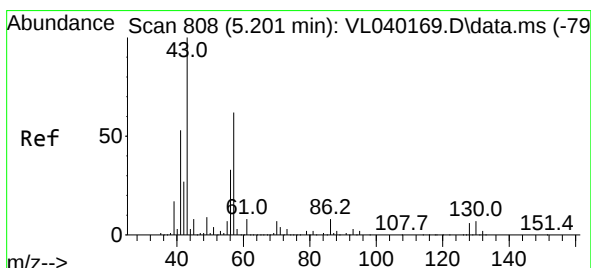
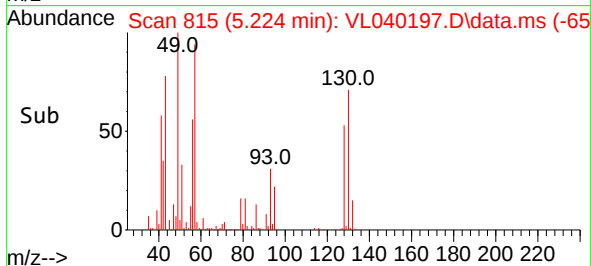
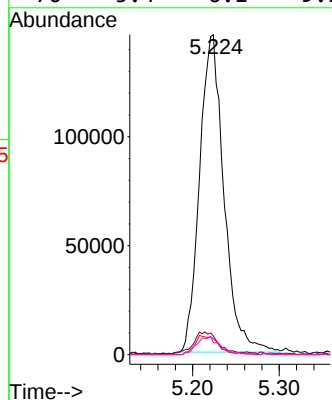
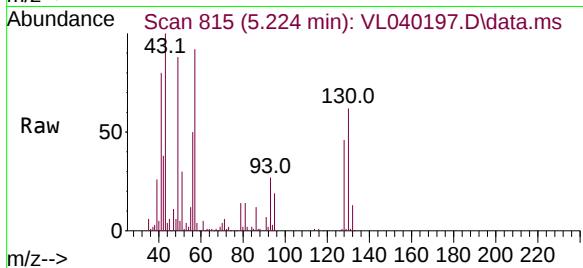




#25
Ethyl Acetate
Concen: 1.434 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.006 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

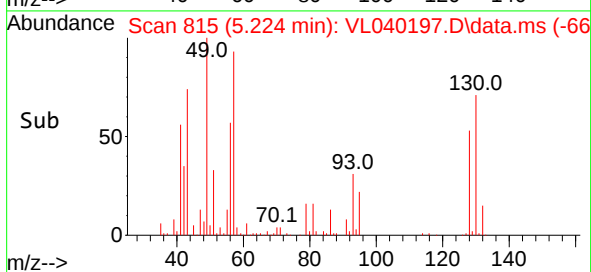
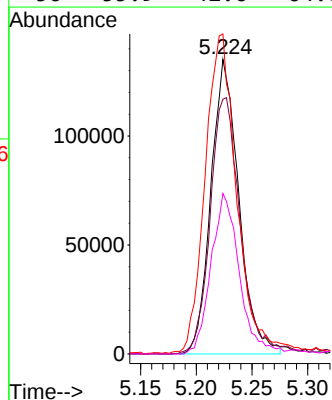
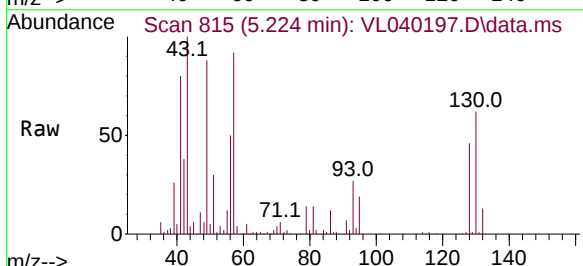
Instrument :
MSVOA_L
ClientSampleId :
IA-22

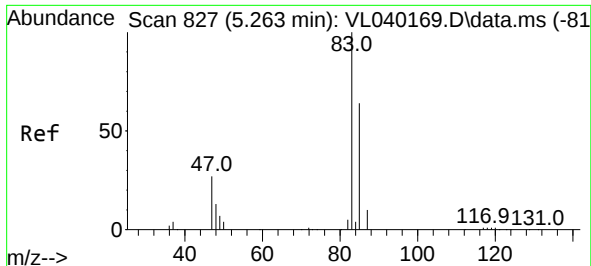
Tgt Ion: 43	Resp: 284515
Ion Ratio	Lower Upper
43 100	
45 7.5	8.3 12.5#
61 5.9	8.4 12.6#
70 5.4	6.1 9.1#



#26
Hexane
Concen: 2.771 ppbv
RT: 5.224 min Scan# 815
Delta R.T. -0.000 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 57	Resp: 235947
Ion Ratio	Lower Upper
57 100	
41 95.8	74.3 111.5
43 124.5	193.0 289.4#
56 55.9	42.6 64.0





#29

Chloroform

Concen: 0.037 ppbv

RT: 5.288 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

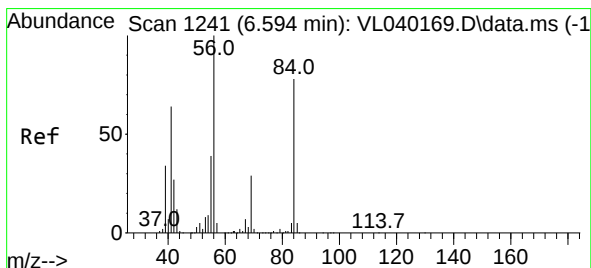
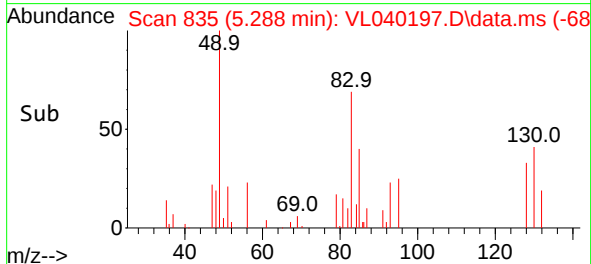
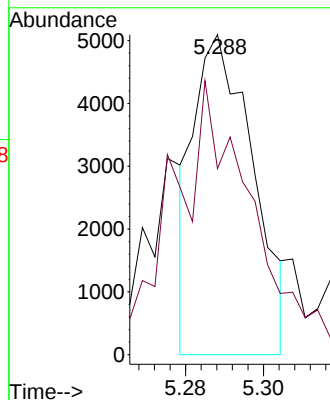
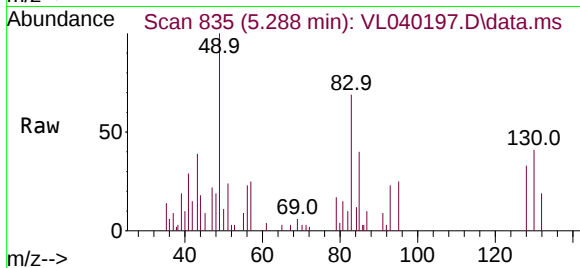
IA-22

Tgt Ion: 83 Resp: 5342

Ion Ratio Lower Upper

83 100

85 55.1 51.5 77.3



#30

Cyclohexane

Concen: 0.261 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

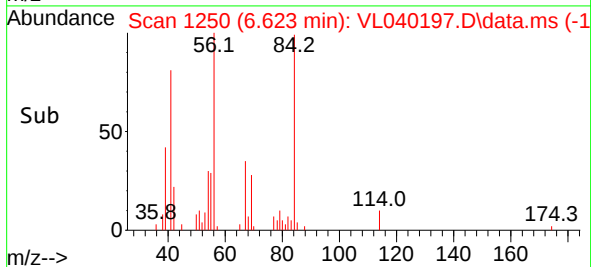
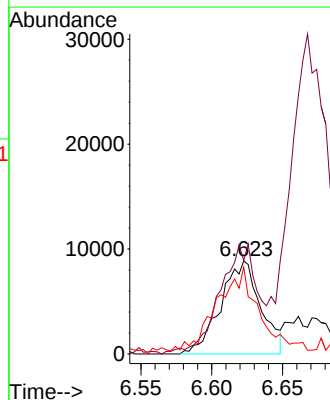
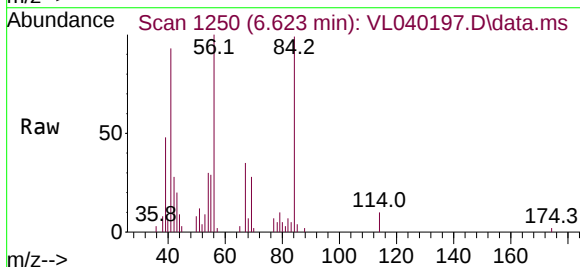
Tgt Ion: 84 Resp: 17455

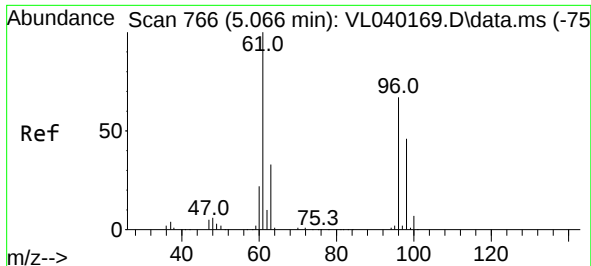
Ion Ratio Lower Upper

84 100

56 119.8 109.9 164.9

41 107.2 67.8 101.6#

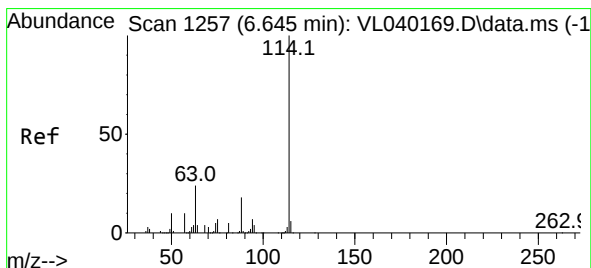
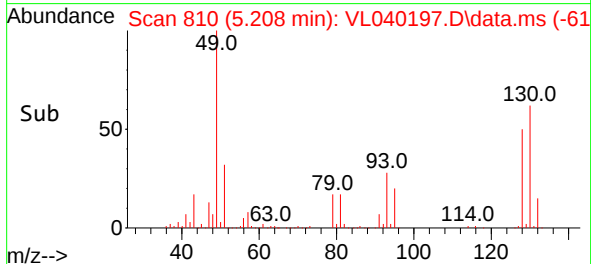
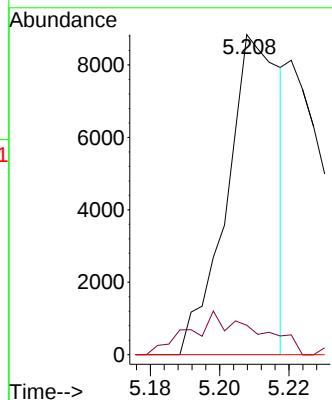
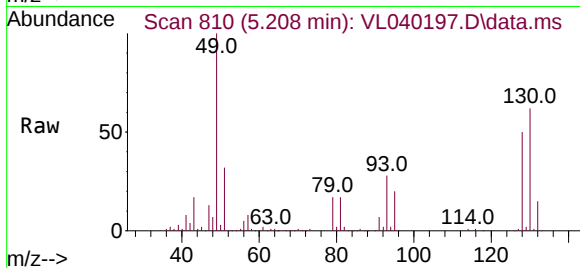




#31
 cis-1,2-Dichloroethene
 Concen: 0.115 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.116 min
 Lab File: VL040197.D
 Acq: 21 Feb 2023 16:31

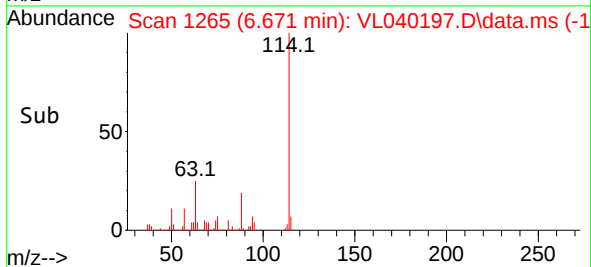
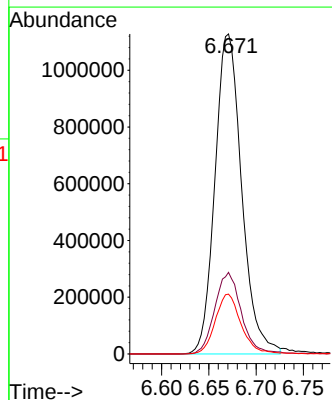
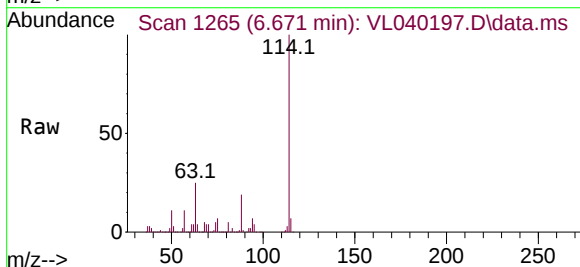
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-22

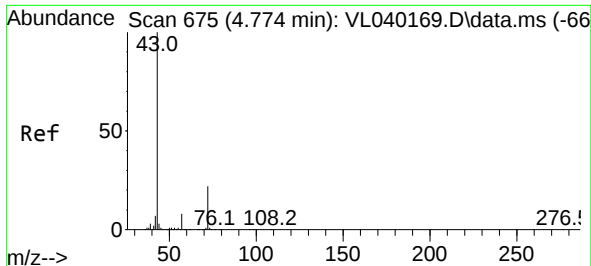
Tgt Ion: 61 Resp: 9312
 Ion Ratio Lower Upper
 61 100
 96 3.4 53.7 80.5#
 98 0.0 36.4 54.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.671 min Scan# 1265
 Delta R.T. -0.003 min
 Lab File: VL040197.D
 Acq: 21 Feb 2023 16:31

Tgt Ion: 114 Resp: 2218061
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.4 30.6
 88 18.3 14.3 21.5

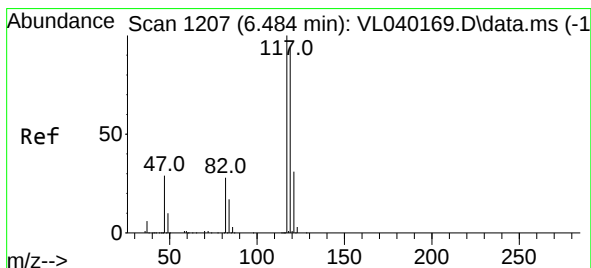
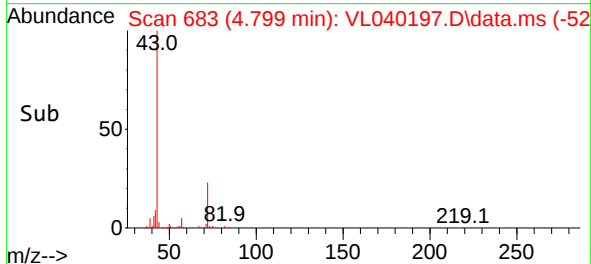
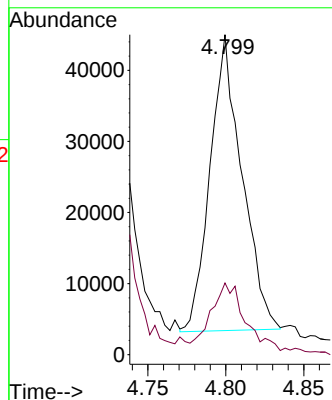
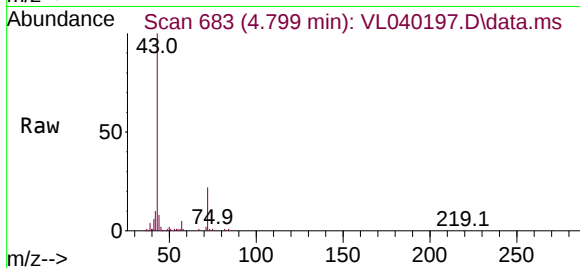




#34
2-Butanone
Concen: 0.541 ppbv
RT: 4.799 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

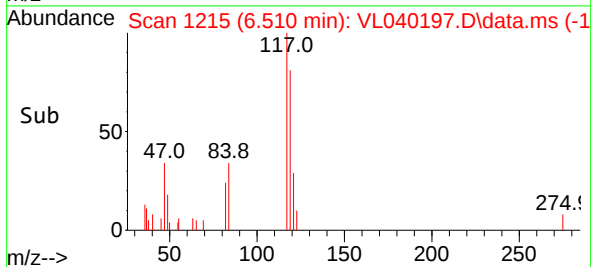
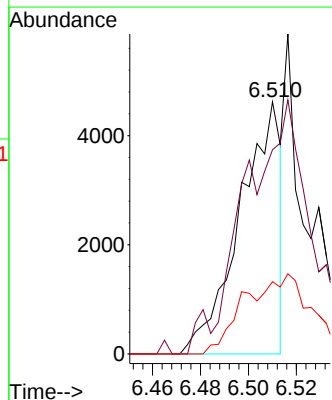
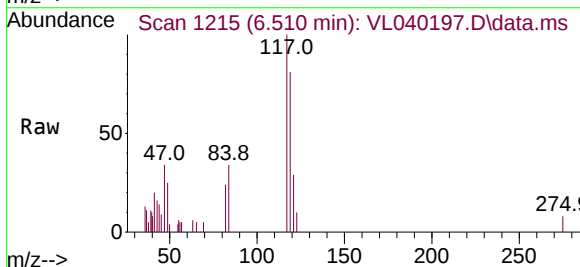
Instrument :
MSVOA_L
ClientSampleId :
IA-22

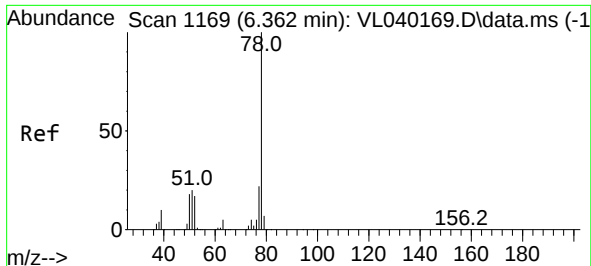
Tgt Ion: 43 Resp: 59148
Ion Ratio Lower Upper
43 100
72 31.5 17.8 26.8#



#35
Carbon Tetrachloride
Concen: 0.042 ppbv
RT: 6.510 min Scan# 1215
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 117 Resp: 5459
Ion Ratio Lower Upper
117 100
119 81.0 75.0 112.6
121 28.7 25.0 37.4

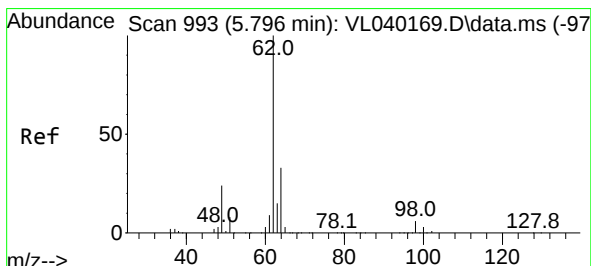
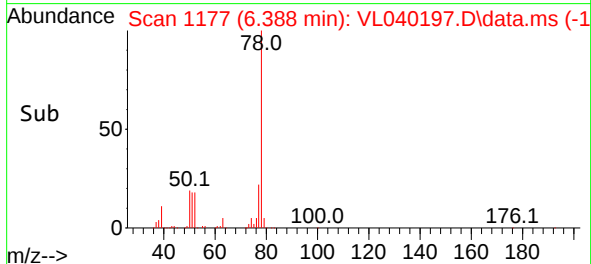
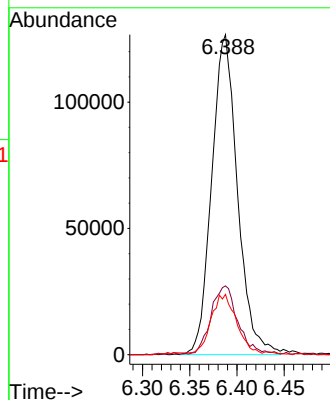
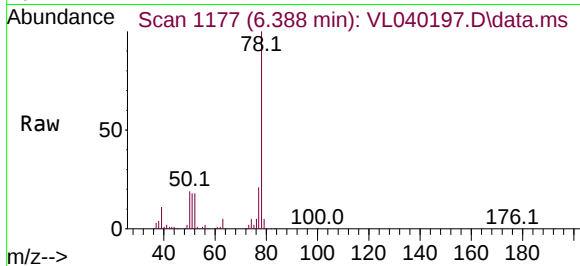




#36
Benzene
Concen: 1.394 ppbv
RT: 6.388 min Scan# 1169
Delta R.T. -0.000 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

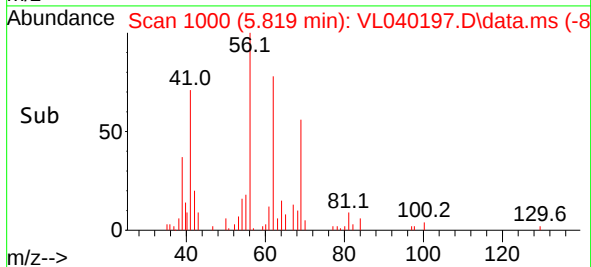
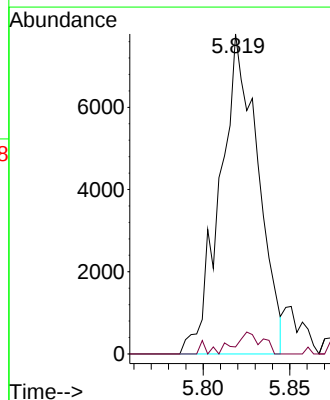
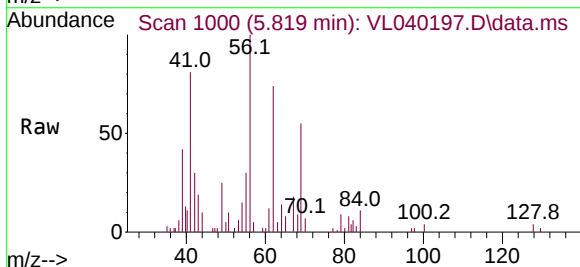
Instrument :
MSVOA_L
ClientSampleId :
IA-22

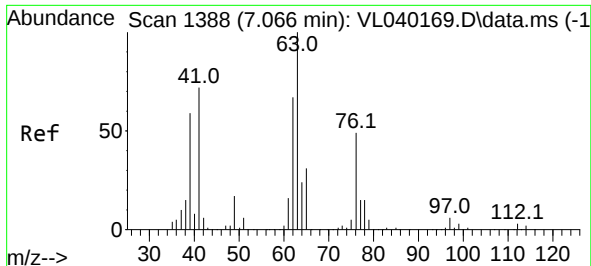
Tgt Ion: 78 Resp: 240639
Ion Ratio Lower Upper
78 100
77 21.3 17.5 26.3
50 18.5 14.6 22.0



#37
1,2-Dichloroethane
Concen: 0.110 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 62 Resp: 11842
Ion Ratio Lower Upper
62 100
98 5.5 4.7 7.1





#39

1,2-Dichloropropane

Concen: 8.333 ppbv

RT: 6.671 min Scan# 1

Delta R.T. -0.425 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

IA-22

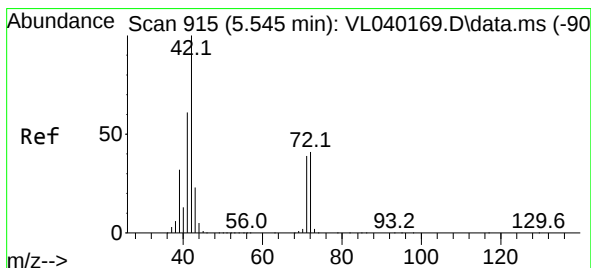
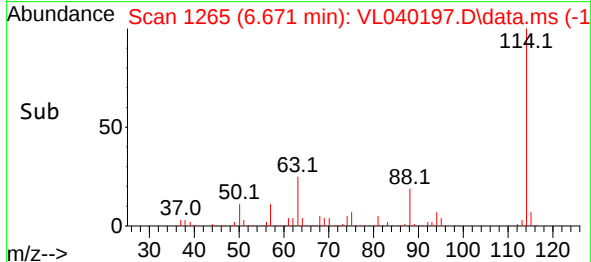
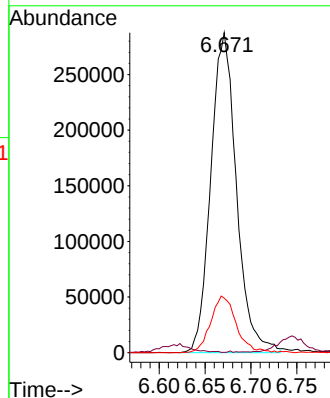
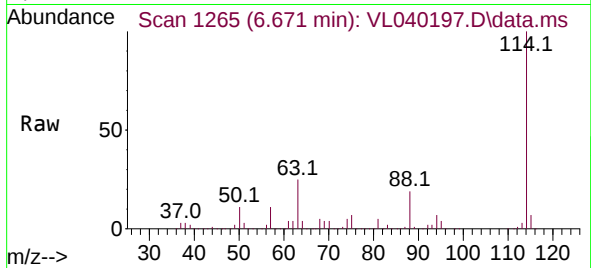
Tgt Ion: 63 Resp: 559523

Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 17.1 54.0 81.0#



#41

Tetrahydrofuran

Concen: 0.230 ppbv

RT: 5.584 min Scan# 927

Delta R.T. 0.013 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

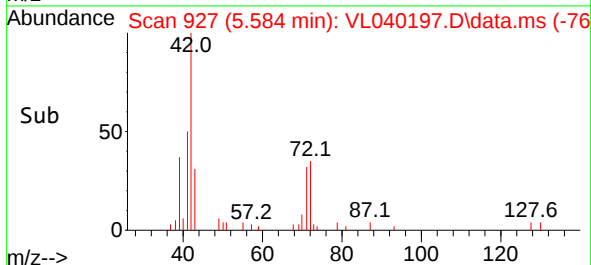
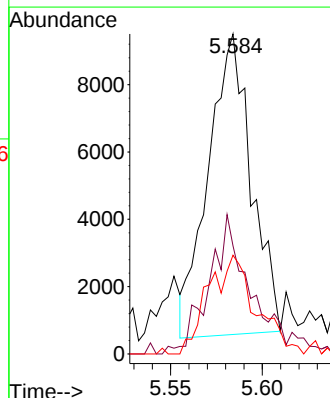
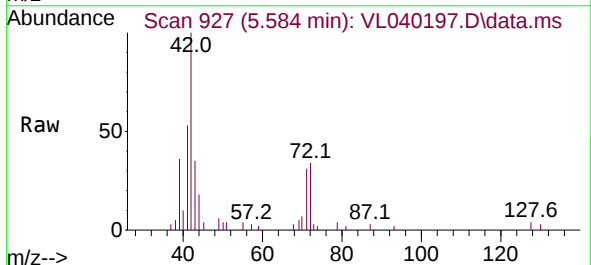
Tgt Ion: 42 Resp: 14606

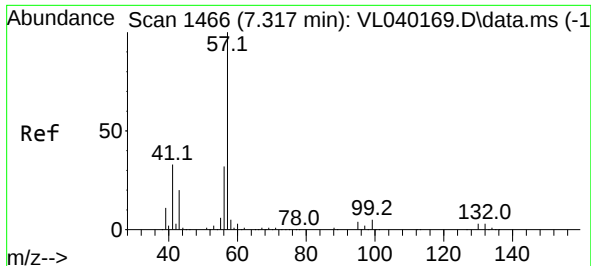
Ion Ratio Lower Upper

42 100

72 46.7 33.0 49.4

71 37.6 31.4 47.2





#44

2,2,4-Trimethylpentane

Concen: 0.518 ppbv

RT: 7.346 min Scan# 1466

Delta R.T. -0.000 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

IA-22

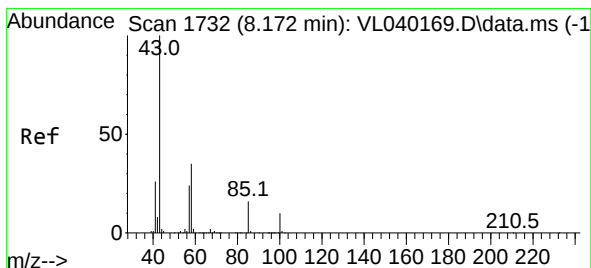
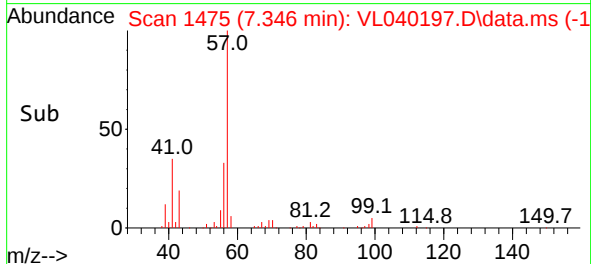
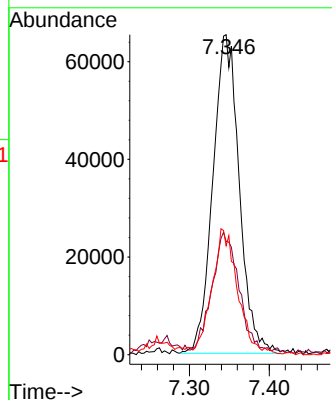
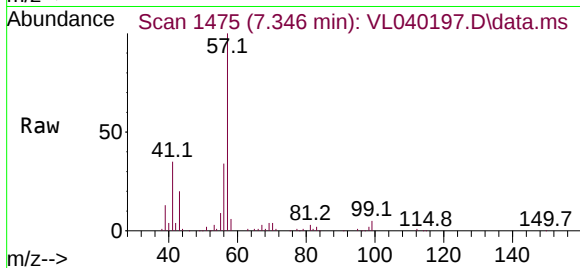
Tgt Ion: 57 Resp: 149145

Ion Ratio Lower Upper

57 100

41 40.4 26.2 39.4#

56 39.6 24.9 37.3#



#50

4-Methyl-2-Pentanone

Concen: 0.055 ppbv

RT: 8.204 min Scan# 1742

Delta R.T. 0.003 min

Lab File: VL040197.D

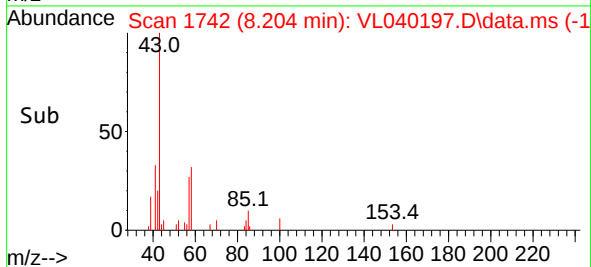
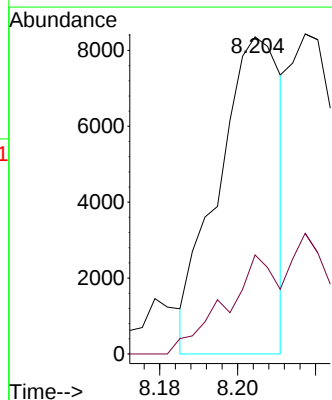
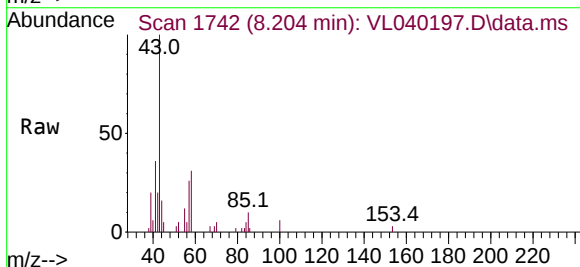
Acq: 21 Feb 2023 16:31

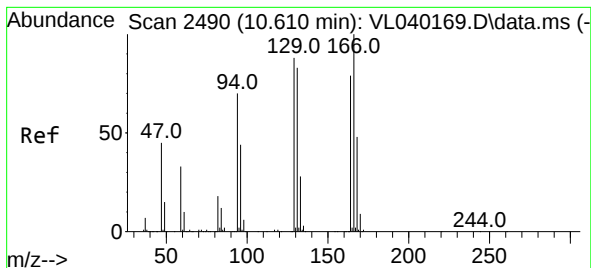
Tgt Ion: 43 Resp: 9260

Ion Ratio Lower Upper

43 100

58 0.0 29.2 43.8#





#52

Tetrachloroethene

Concen: 0.052 ppbv

RT: 10.635 min Scan# 2498

Delta R.T. -0.007 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

IA-22

Tgt Ion:164 Resp: 2787

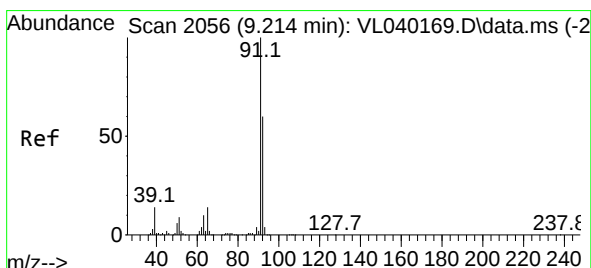
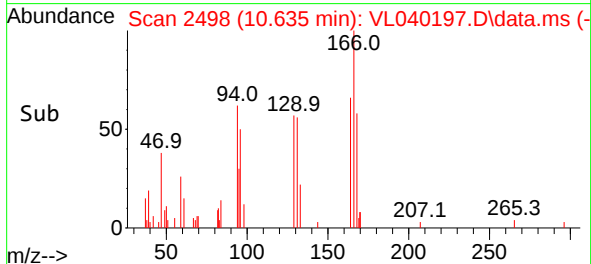
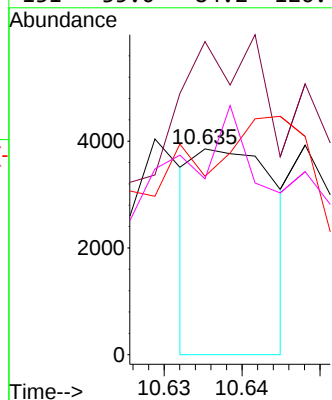
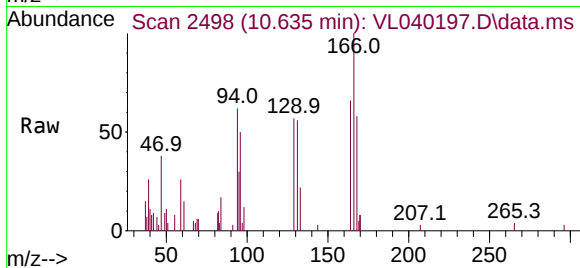
Ion Ratio Lower Upper

164 100

166 284.7 101.5 152.3#

129 0.0 89.0 133.4#

131 35.0 84.2 126.4#



#53

Toluene

Concen: 3.214 ppbv

RT: 9.243 min Scan# 2065

Delta R.T. -0.003 min

Lab File: VL040197.D

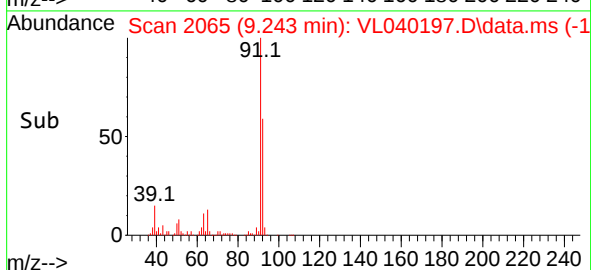
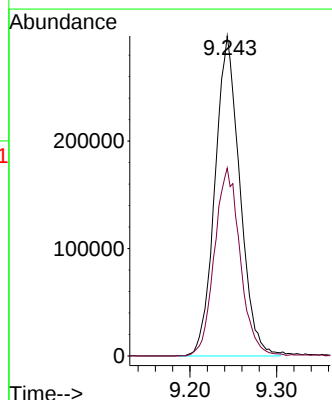
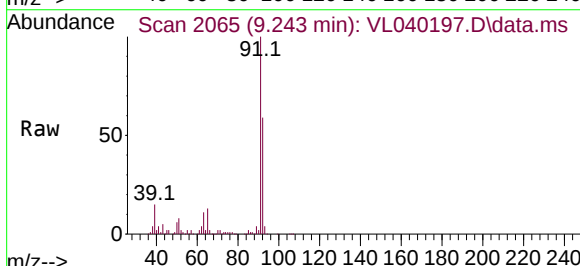
Acq: 21 Feb 2023 16:31

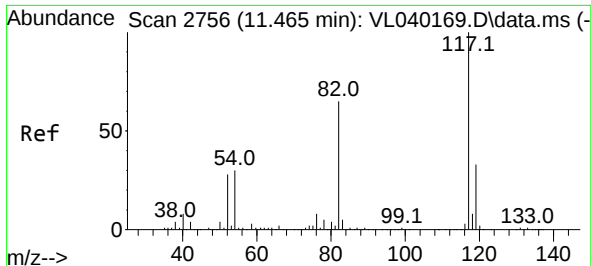
Tgt Ion: 91 Resp: 594251

Ion Ratio Lower Upper

91 100

92 60.8 48.9 73.3

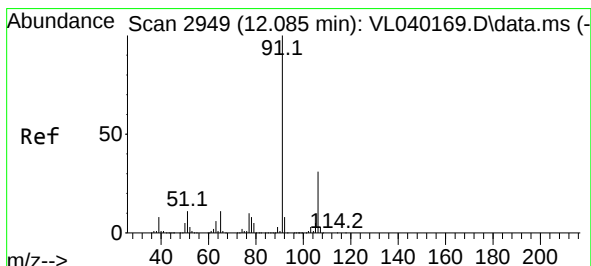
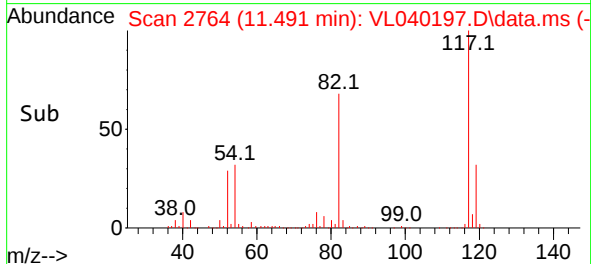
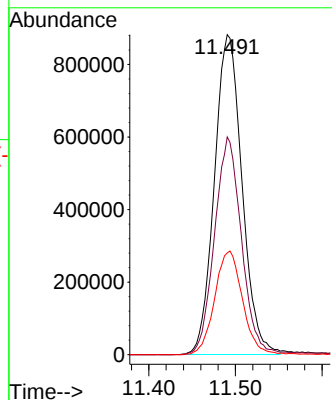
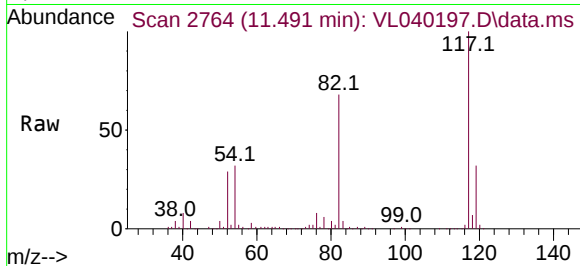




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

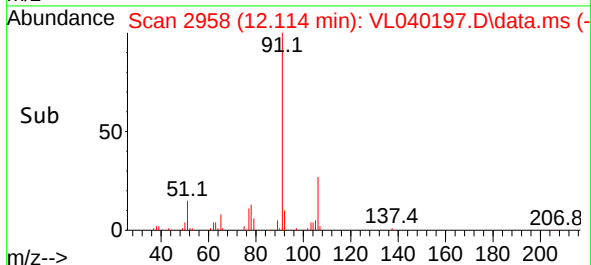
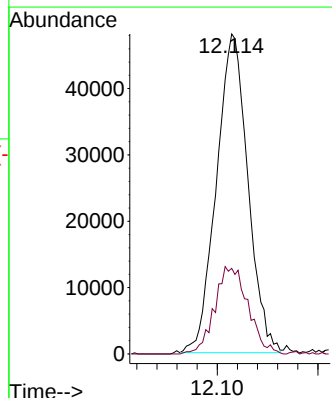
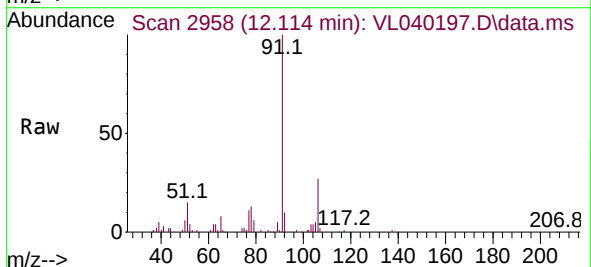
Instrument :
MSVOA_L
ClientSampleId :
IA-22

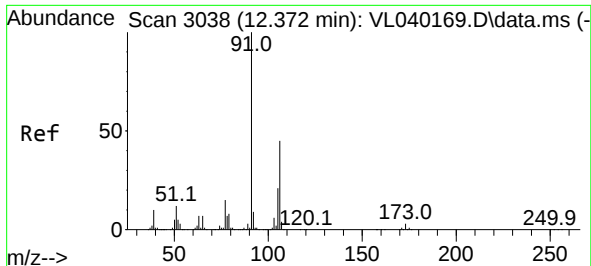
Tgt Ion:117 Resp: 1954684
Ion Ratio Lower Upper
117 100
82 67.6 53.3 79.9
119 32.9 24.6 37.0



#58
Ethyl Benzene
Concen: 0.440 ppbv
RT: 12.114 min Scan# 2958
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 91 Resp: 104468
Ion Ratio Lower Upper
91 100
106 26.8 24.9 37.3





#59

m/p-Xylene

Concen: 1.366 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.029 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

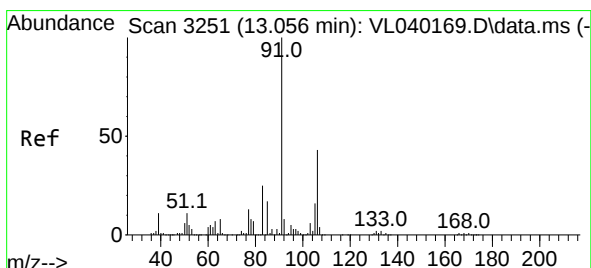
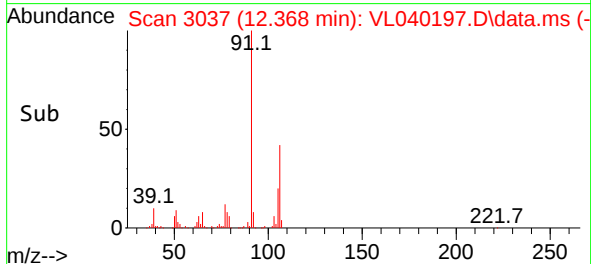
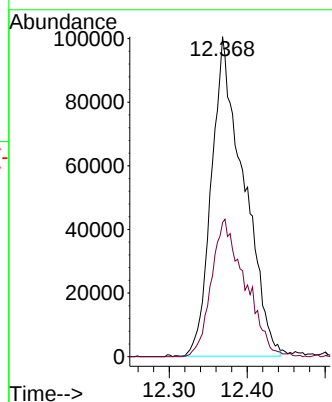
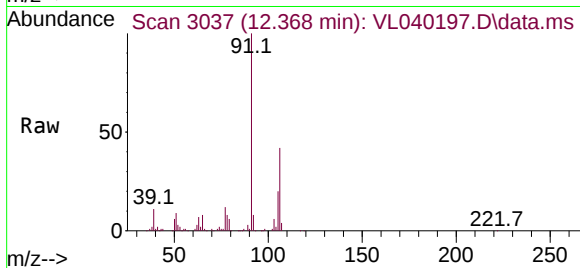
IA-22

Tgt Ion: 91 Resp: 287370

Ion Ratio Lower Upper

91 100

106 45.3 34.6 51.8



#60

o-Xylene

Concen: 0.545 ppbv

RT: 13.085 min Scan# 3260

Delta R.T. -0.000 min

Lab File: VL040197.D

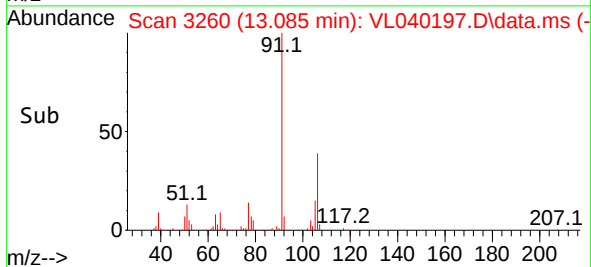
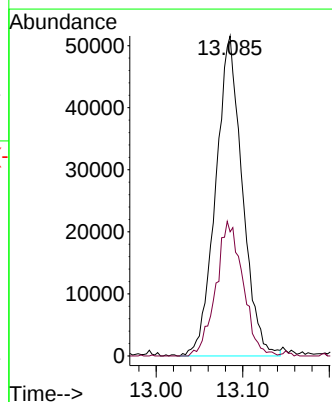
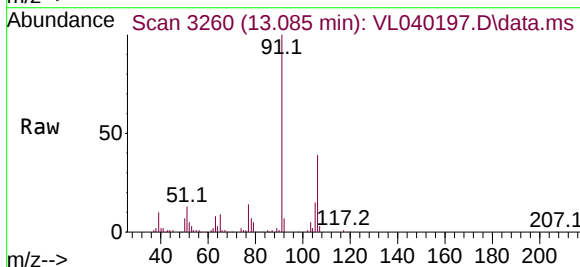
Acq: 21 Feb 2023 16:31

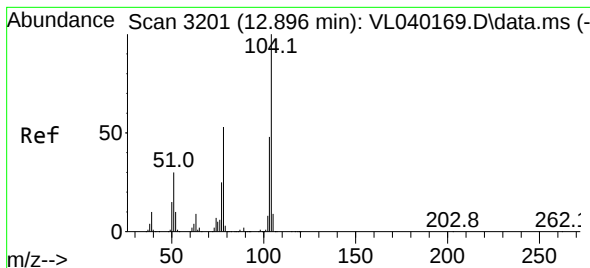
Tgt Ion: 91 Resp: 110376

Ion Ratio Lower Upper

91 100

106 42.9 21.6 65.0





#61

Styrene

Concen: 0.080 ppbv

RT: 12.925 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

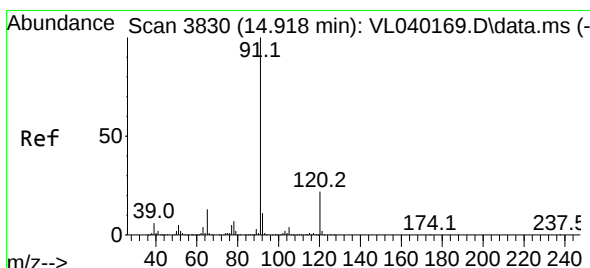
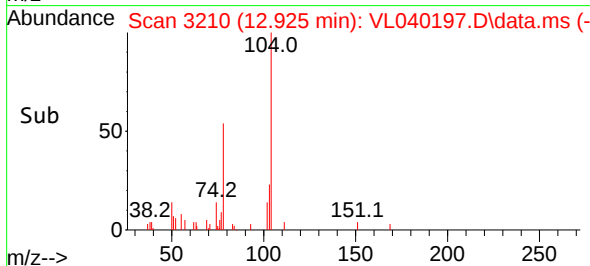
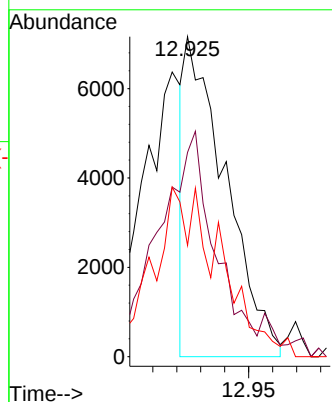
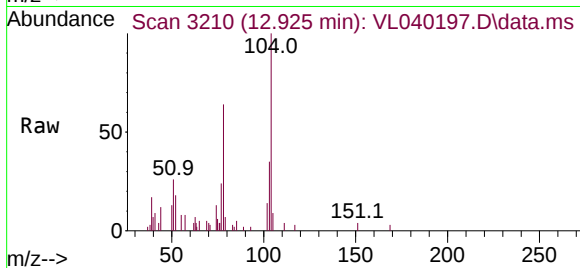
Instrument :

MSVOA_L

ClientSampleId :

IA-22

Tgt Ion:104	Resp:	8450
Ion Ratio	Lower	Upper
104	100	
78	109.1	42.3 63.5#
103	0.0	37.5 56.3#



#64

n-propylbenzene

Concen: 0.045 ppbv

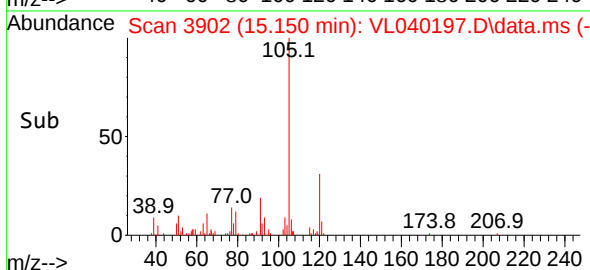
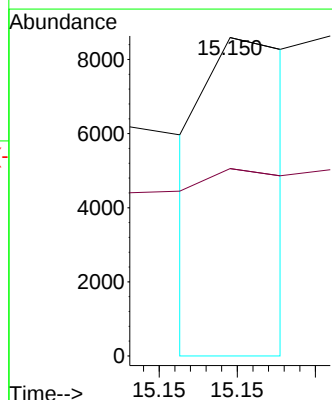
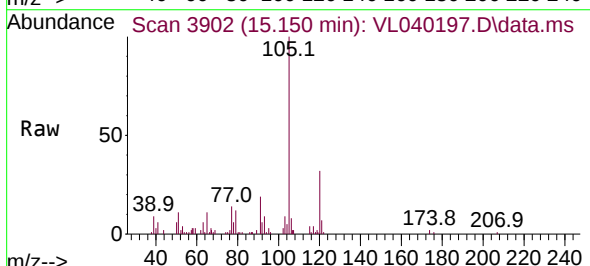
RT: 15.150 min Scan# 3902

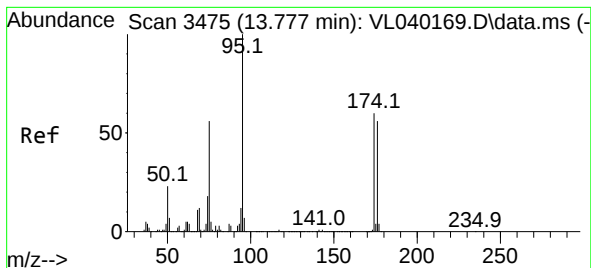
Delta R.T. 0.199 min

Lab File: VL040197.D

Acq: 21 Feb 2023 16:31

Tgt Ion:120	Resp:	3247
Ion Ratio	Lower	Upper
120	100	
91	418.9	389.8 584.8

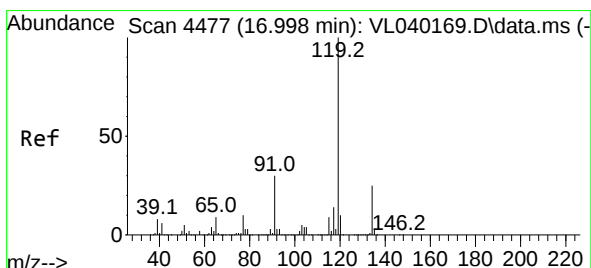
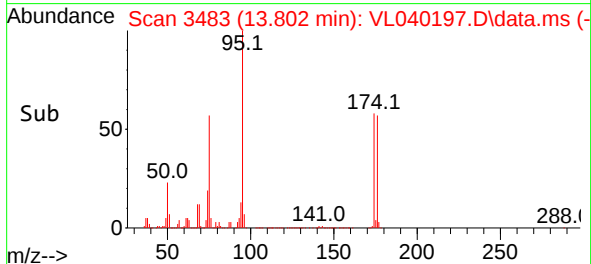
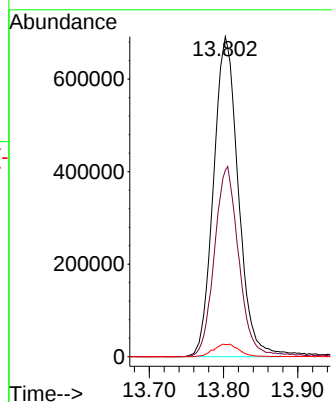
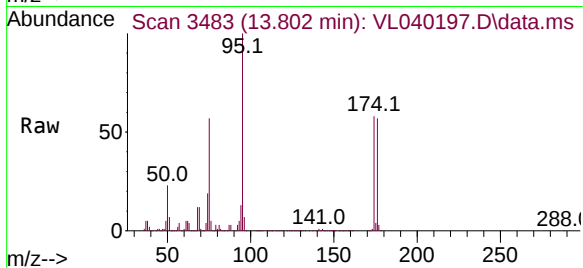




#68
1-Bromo-4-Fluorobenzene
Concen: 9.964 ppbv
RT: 13.802 min Scan# 3475
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

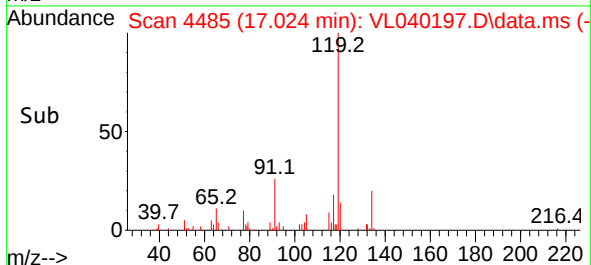
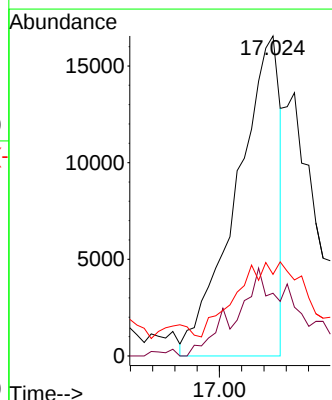
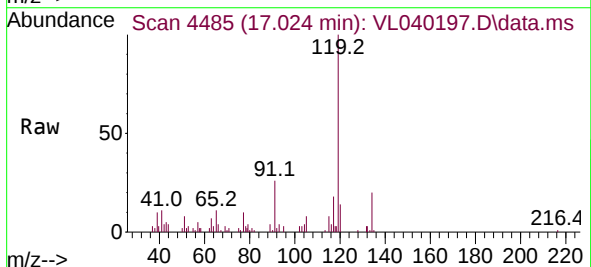
Instrument :
MSVOA_L
ClientSampleId :
IA-22

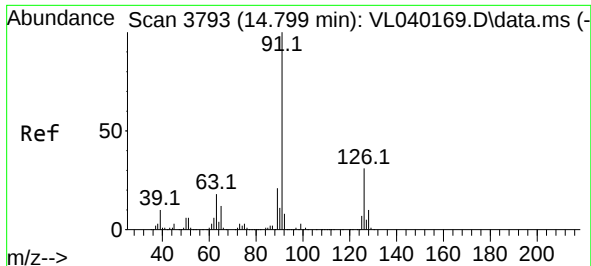
Tgt Ion: 95 Resp: 1601595
Ion Ratio Lower Upper
95 100
174 59.7 48.2 72.2
175 4.1 3.4 5.2



#69
p-Isopropyltoluene
Concen: 0.078 ppbv
RT: 17.024 min Scan# 4485
Delta R.T. -0.000 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 119 Resp: 22435
Ion Ratio Lower Upper
119 100
134 39.5 20.2 30.2#
91 62.6 24.7 37.1#

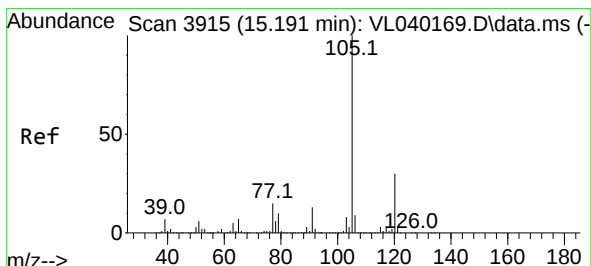
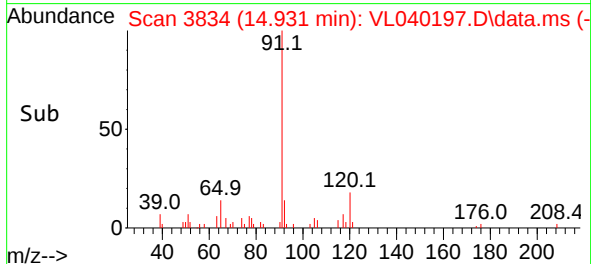
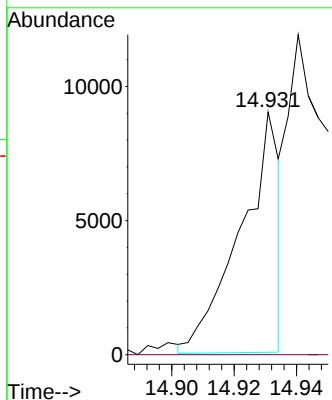
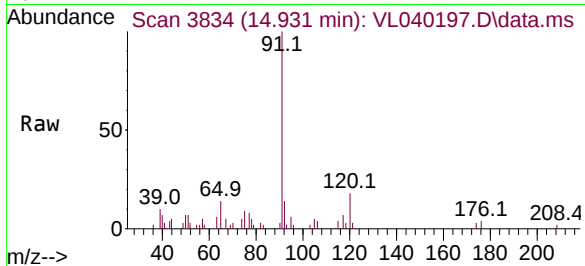




#71
2-Chlorotoluene
Concen: 0.035 ppbv
RT: 14.931 min Scan# 31
Delta R.T. 0.100 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

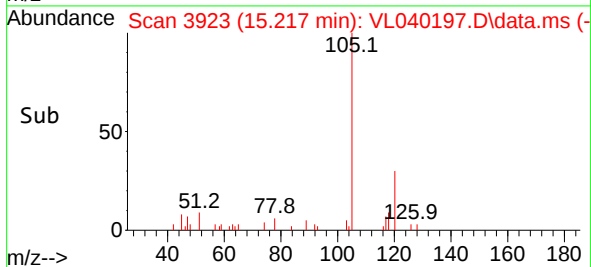
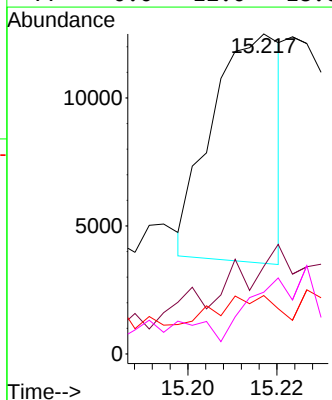
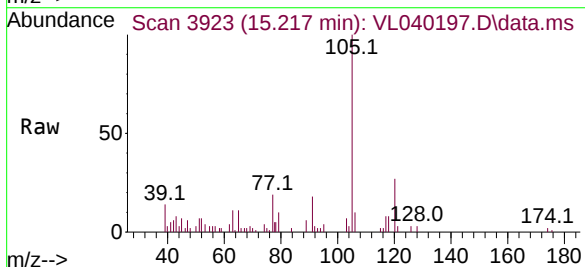
Instrument :
MSVOA_L
ClientSampleId :
IA-22

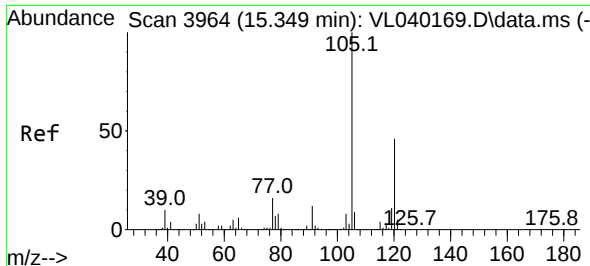
Tgt Ion: 91 Resp: 7726
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.042 ppbv
RT: 15.217 min Scan# 3923
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion: 105 Resp: 9411
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 11.3 16.9#
77 0.0 12.0 18.0#

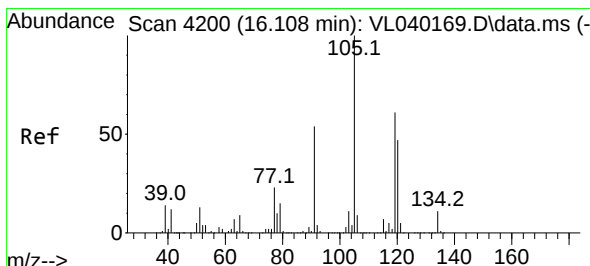
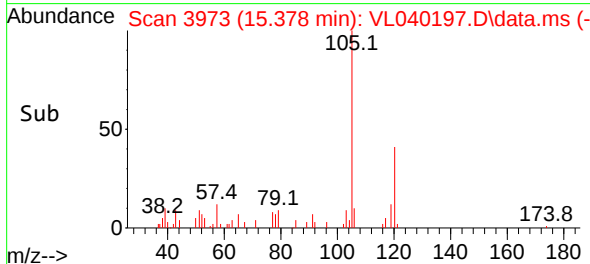
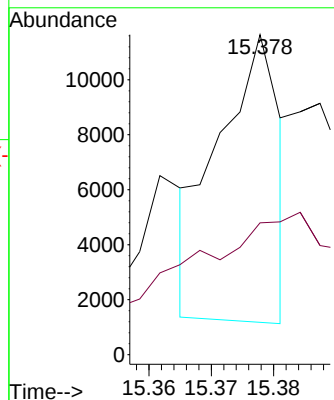
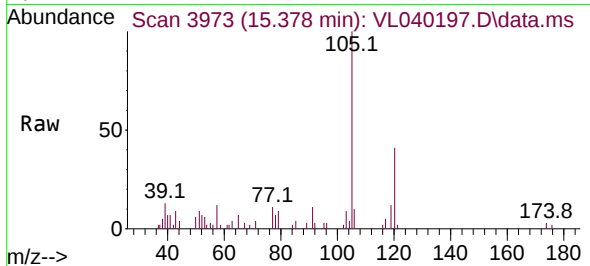




#73
1,3,5-Trimethylbenzene
Concen: 0.034 ppbv
RT: 15.378 min Scan# 3973
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

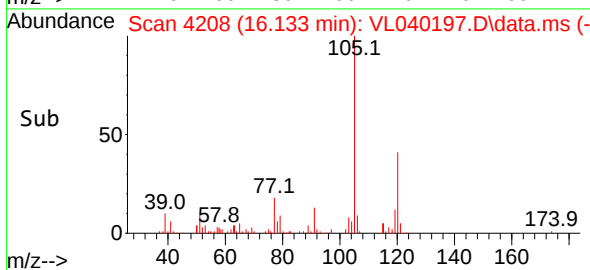
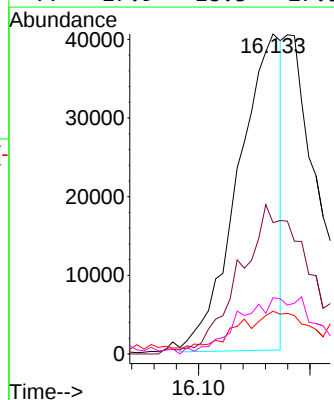
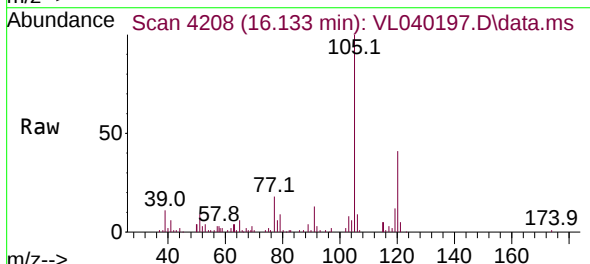
Instrument :
MSVOA_L
ClientSampleId :
IA-22

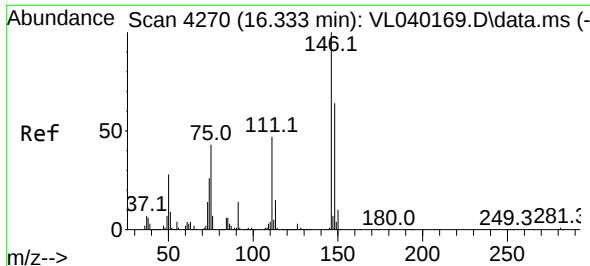
Tgt Ion:105 Resp: 7161
Ion Ratio Lower Upper
105 100
120 27.3 36.8 55.2#



#74
1,2,4-Trimethylbenzene
Concen: 0.238 ppbv
RT: 16.133 min Scan# 4208
Delta R.T. -0.003 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion:105 Resp: 54316
Ion Ratio Lower Upper
105 100
120 40.7 37.9 56.9
91 11.7 43.7 65.5#
77 17.9 18.3 27.5#

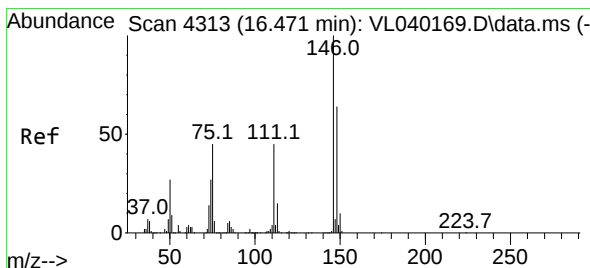
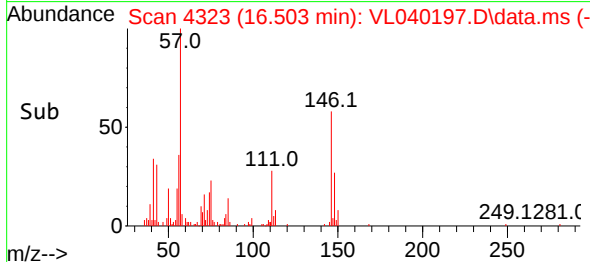
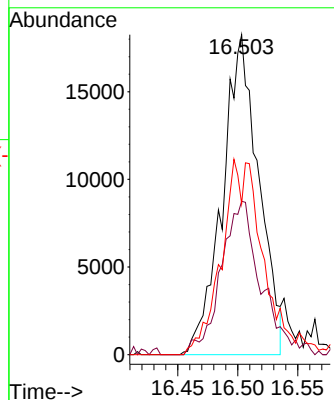
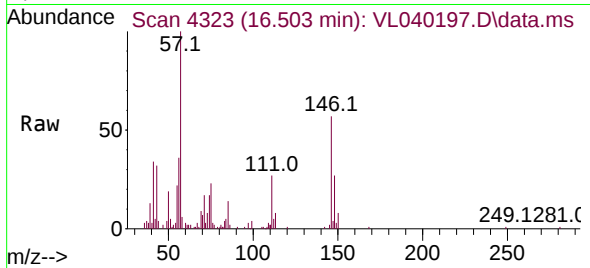




#75
1,3-Dichlorobenzene
Concen: 0.307 ppbv
RT: 16.503 min Scan# 41
Delta R.T. 0.141 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

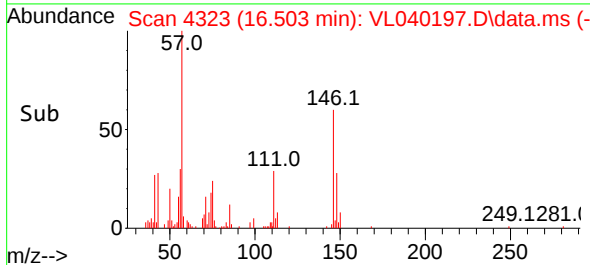
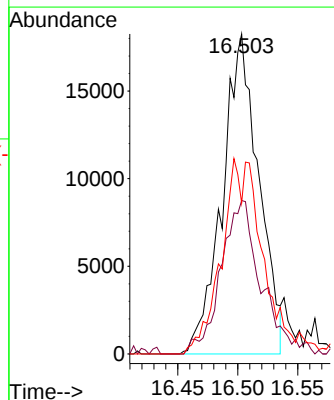
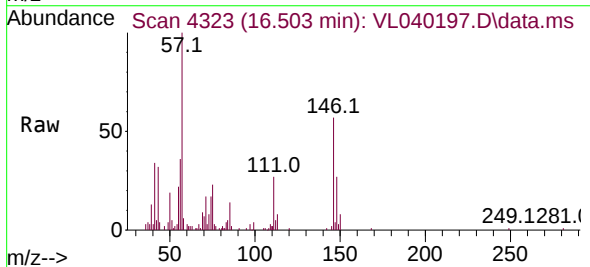
Instrument :
MSVOA_L
ClientSampleId :
IA-22

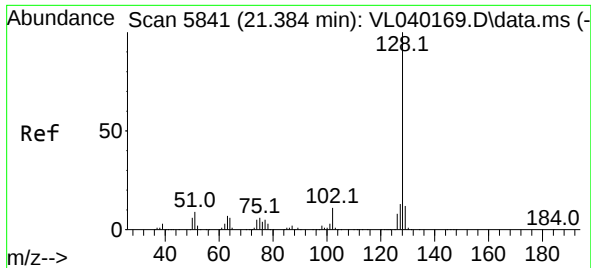
Tgt Ion:146 Resp: 38467
Ion Ratio Lower Upper
146 100
111 53.0 23.9 71.8
148 70.9 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 0.314 ppbv
RT: 16.503 min Scan# 4323
Delta R.T. -0.000 min
Lab File: VL040197.D
Acq: 21 Feb 2023 16:31

Tgt Ion:146 Resp: 38467
Ion Ratio Lower Upper
146 100
111 53.3 23.5 70.5
148 69.8 32.5 97.4





#79

Naphthalene

Concen: 0.066 ppbv

RT: 21.416 min Scan# 5851

Delta R.T. -0.003 min

Lab File: VL040197.D

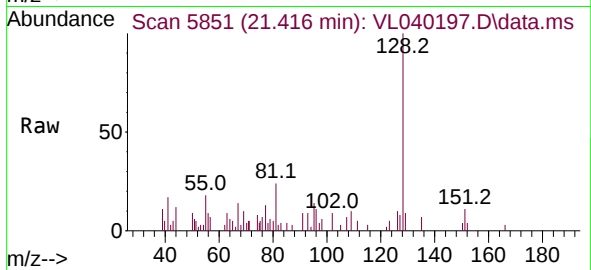
Acq: 21 Feb 2023 16:31

Instrument :

MSVOA_L

ClientSampleId :

IA-22



Tgt Ion:	128	Resp:	8527
Ion	Ratio	Lower	Upper
128	100		
127	7.3	10.2	15.4#
129	4.5	9.4	14.0#

