

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040470.D
 Acq On : 15 Jun 2023 16:52
 Operator : SY/MD
 Sample : 03250-01DUP 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DUP

Quant Time: Jun 16 05:37:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1194449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3148874	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2843153	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2277568	9.706	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	170503	0.656	ppbv	98
3) Chlorodifluoromethane	2.671	51	13062	0.067	ppbv	97
4) Chloromethane	2.806	50	21274	0.281	ppbv	88
5) Vinyl Chloride	2.915	62	4030	0.053	ppbv #	76
7) Chloroethane	3.192	64	1389	0.049	ppbv #	72
9) Propene	2.690	41	2012543	33.360	ppbv	95
10) Heptane	7.590	43	109984	0.805	ppbv	100
11) Trichlorofluoromethane	3.562	101	17856	0.084	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	5647	0.038	ppbv	83
13) Ethanol	3.237	45	129103	10.334	ppbv	97
15) Acetone	3.465	43	2309072	16.028	ppbv #	32
16) 1,3-Butadiene	2.963	39	1979413	28.229	ppbv #	22
17) tert-Butyl alcohol	3.880	59	880280	7.433	ppbv	100
19) Isopropyl Alcohol	3.574	45	8511	0.123	ppbv #	90
20) Methylene Chloride	3.934	84	346827	5.641	ppbv	98
21) Allyl Chloride	3.989	41	36251	0.445	ppbv #	1
23) Vinyl Acetate	4.613	43	54933	0.390	ppbv #	1
25) Ethyl Acetate	5.224	43	440451	1.687	ppbv #	77
26) Hexane	5.221	57	634619	5.134	ppbv #	43
27) Carbon Disulfide	4.127	76	23622	0.153	ppbv #	90
30) Cyclohexane	6.616	84	11669	0.117	ppbv #	1
34) 2-Butanone	4.787	43	5125931	33.758	ppbv	96
36) Benzene	6.378	78	192345	0.768	ppbv	97
39) 1,2-Dichloropropane	6.664	63	759402	7.865	ppbv #	24
41) Tetrahydrofuran	5.504	42	8615	0.104	ppbv #	39
44) 2,2,4-Trimethylpentane	7.340	57	200945	0.491	ppbv #	84
50) 4-Methyl-2-Pentanone	8.201	43	16314	0.080	ppbv #	79
51) 2-Hexanone	9.565	43	1013176	7.176	ppbv #	93
52) Tetrachloroethene	10.632	164	47698	0.607	ppbv	97
53) Toluene	9.237	91	274910	1.042	ppbv	99
58) Ethyl Benzene	12.101	91	56312	0.163	ppbv	97
59) m/p-Xylene	12.362	91	328087	1.036	ppbv	94
60) o-Xylene	13.079	91	186713	0.622	ppbv	98
64) n-propylbenzene	14.934	120	3479	0.031	ppbv #	1
69) p-Isopropyltoluene	17.011	119	18810	0.042	ppbv #	90
70) n-Butylbenzene	17.905	91	14876	0.030	ppbv #	34
72) 4-Ethyltoluene	15.211	105	39382	0.116	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.368	105	85179	0.285	ppbv	95
74) 1,2,4-Trimethylbenzene	16.127	105	333338	0.948	ppbv #	70
79) Naphthalene	21.419	128	15695	0.077	ppbv	97
80) Naphthalene,2-methyl-	24.390	142	10279	0.169	ppbv #	79

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Misc : 400mL/MSVOA_L
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Instrument :
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Quant Time: Jun 16 05:37:44 2023
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

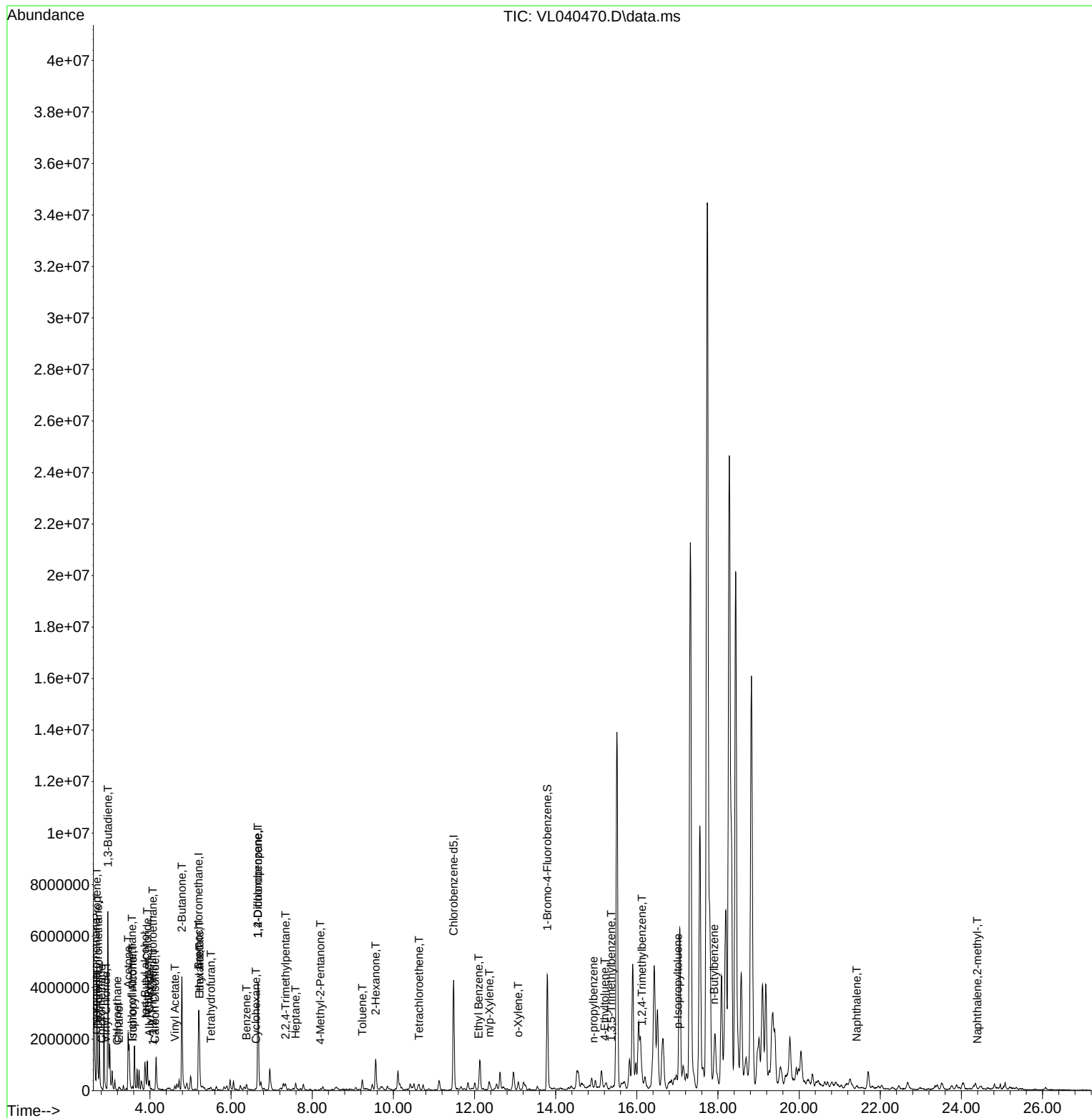
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

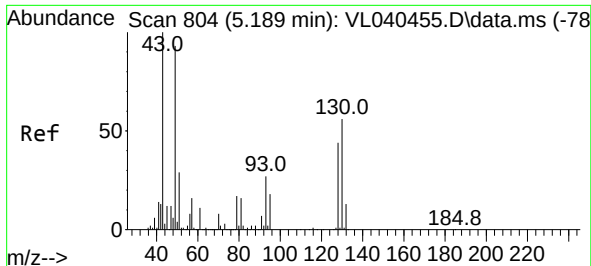
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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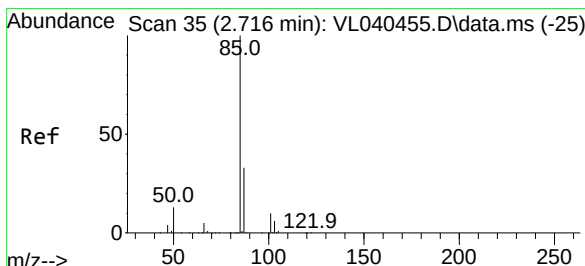
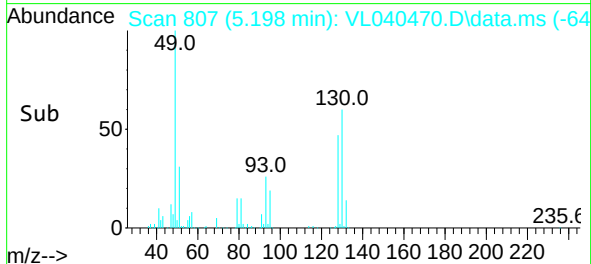
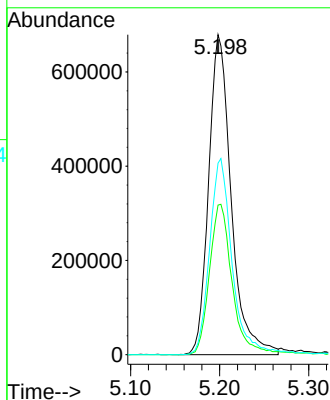
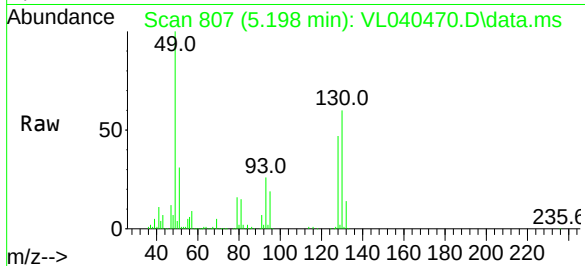




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

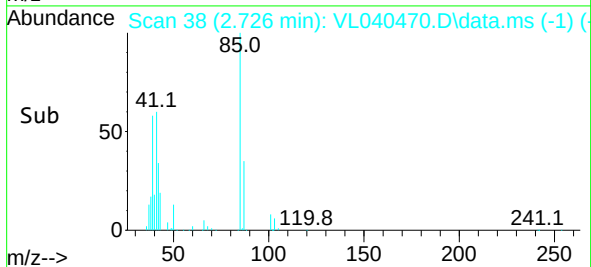
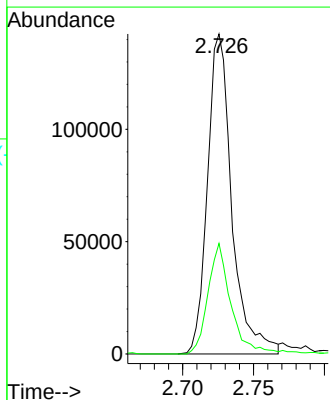
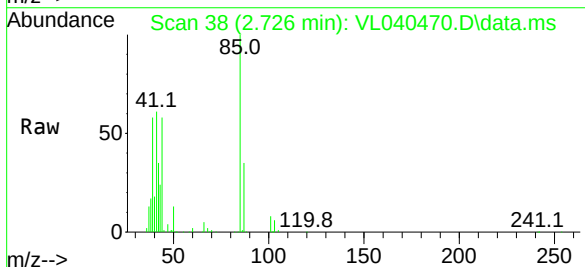
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

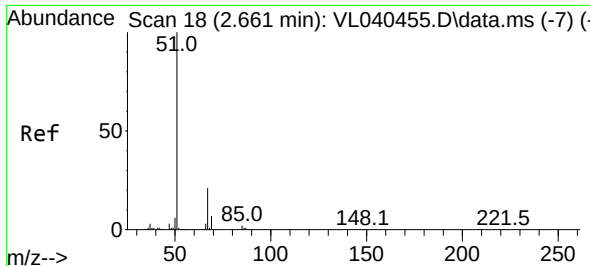
Tgt Ion: 49 Resp: 1194449
Ion Ratio Lower Upper
49 100
128 48.3 24.7 74.1
130 62.0 31.4 94.2



#2
Dichlorodifluoromethane
Concen: 0.656 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 85 Resp: 170503
Ion Ratio Lower Upper
85 100
87 34.6 26.6 39.8

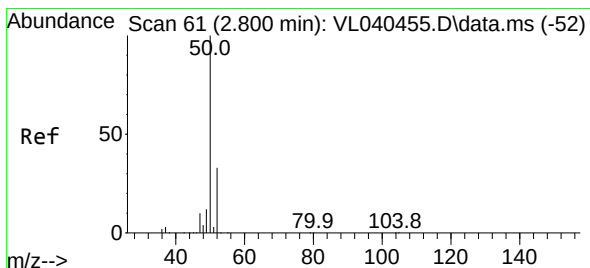
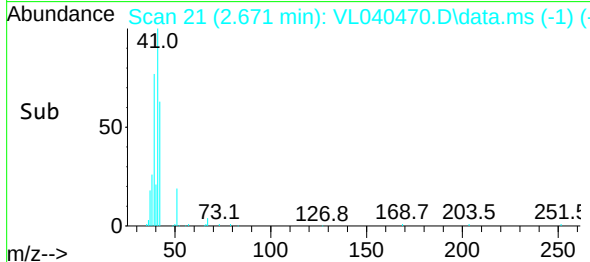
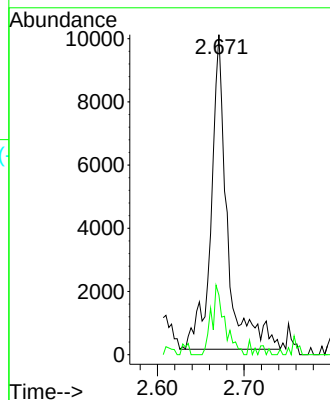
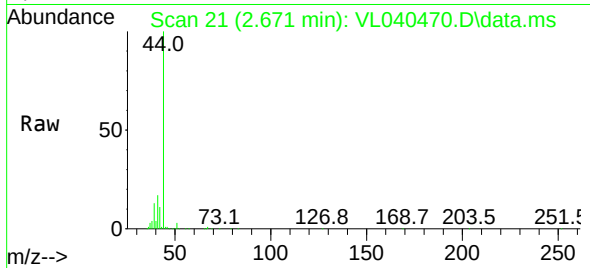




#3
Chlorodifluoromethane
Concen: 0.067 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

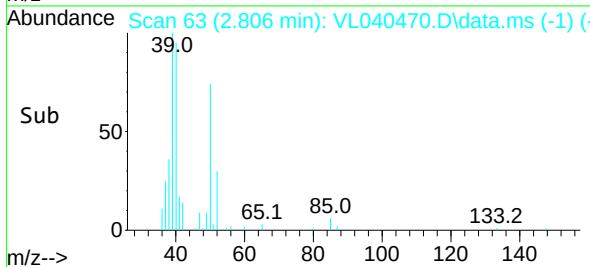
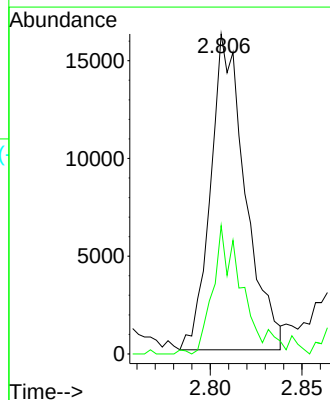
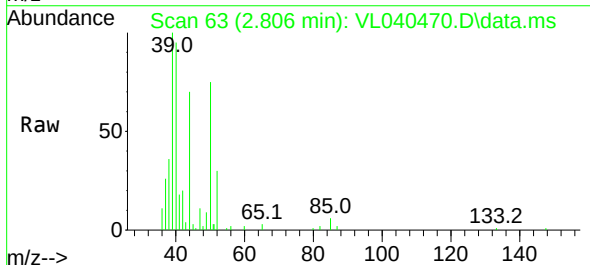
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

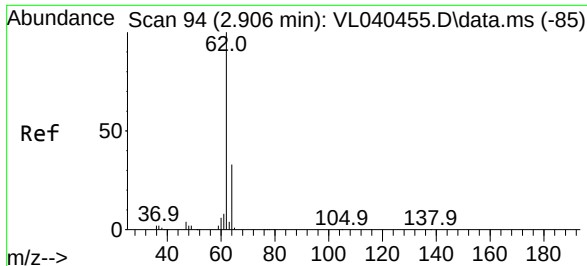
Tgt Ion: 51 Resp: 13062
Ion Ratio Lower Upper
51 100
67 19.0 16.3 24.5



#4
Chloromethane
Concen: 0.281 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 50 Resp: 21274
Ion Ratio Lower Upper
50 100
52 39.4 26.3 39.5

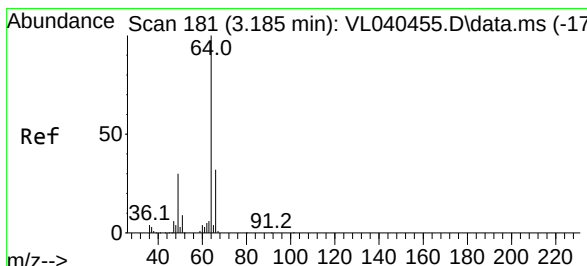
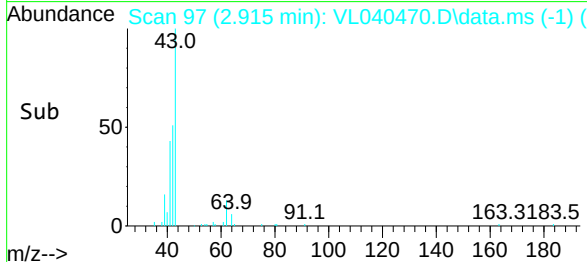
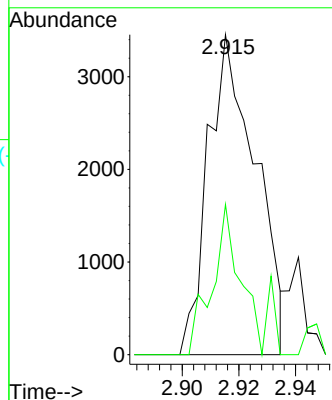
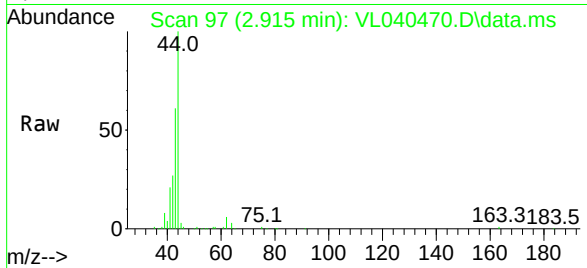




#5
Vinyl Chloride
Concen: 0.053 ppbv
RT: 2.915 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

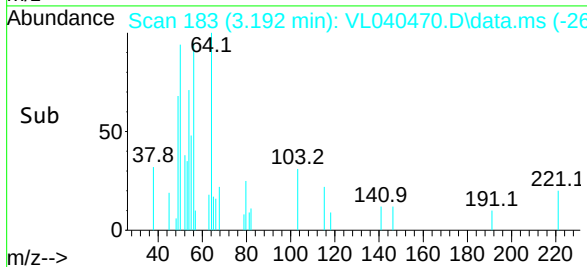
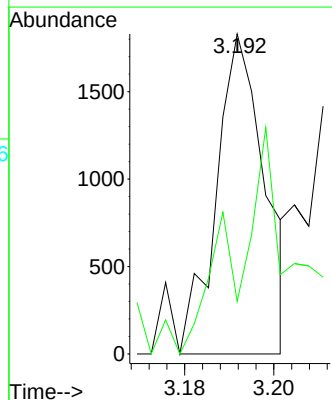
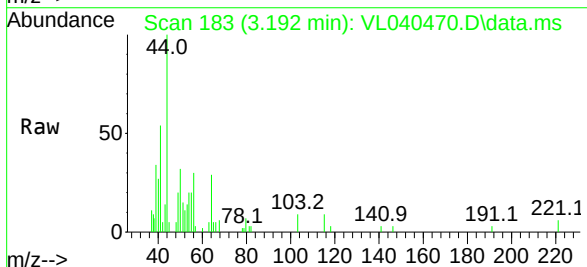
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

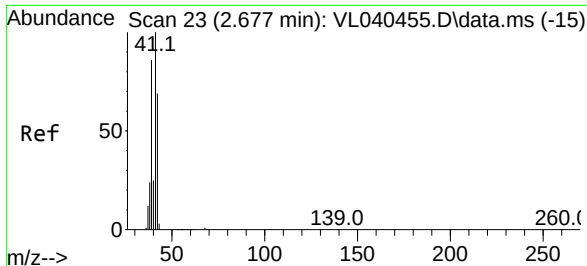
Tgt Ion: 62 Resp: 4030
Ion Ratio Lower Upper
62 100
64 46.9 26.8 40.2#



#7
Chloroethane
Concen: 0.049 ppbv
RT: 3.192 min Scan# 183
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 64 Resp: 1389
Ion Ratio Lower Upper
64 100
66 16.4 25.6 38.4#

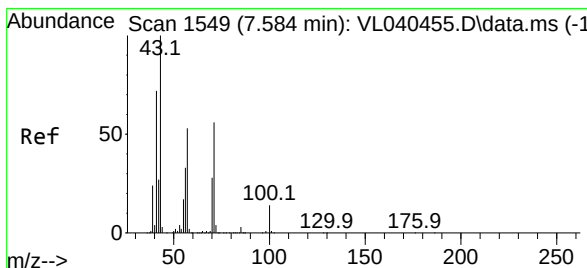
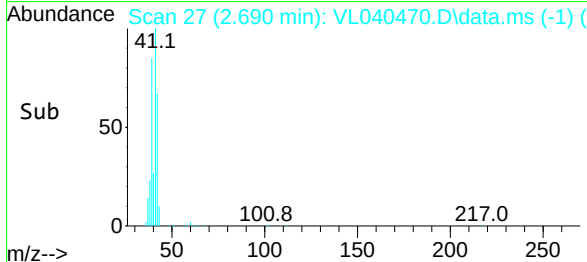
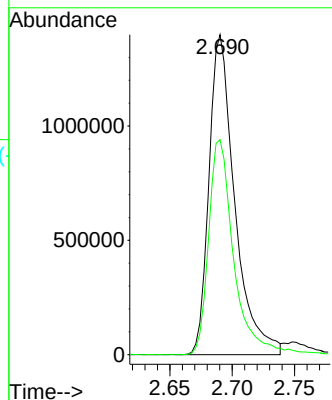
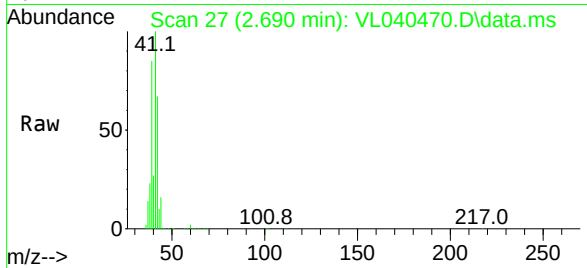




#9
Propene
Concen: 33.360 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

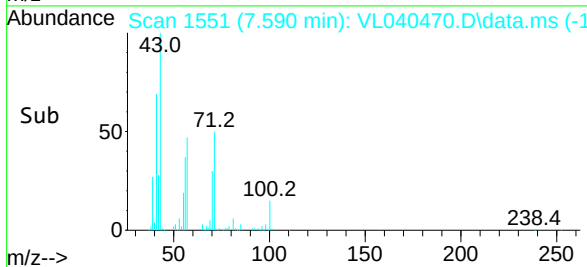
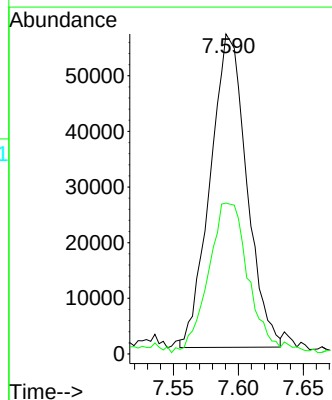
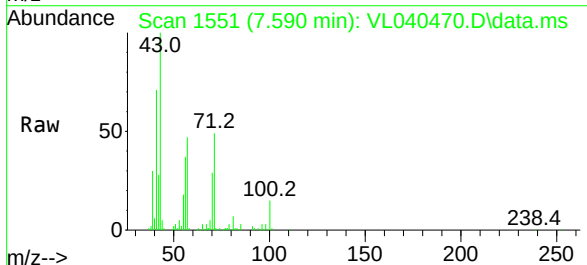
Instrument :
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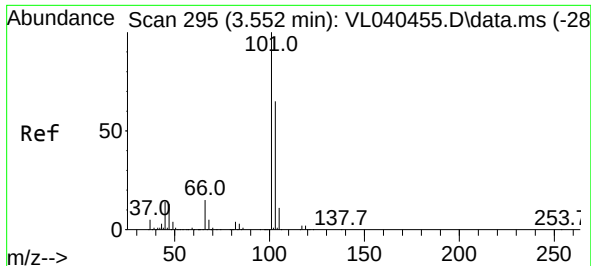
Tgt Ion: 41 Resp: 2012543
Ion Ratio Lower Upper
41 100
42 66.2 56.2 84.2



#10
Heptane
Concen: 0.805 ppbv
RT: 7.590 min Scan# 1551
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 43 Resp: 109984
Ion Ratio Lower Upper
43 100
57 53.4 42.5 63.7

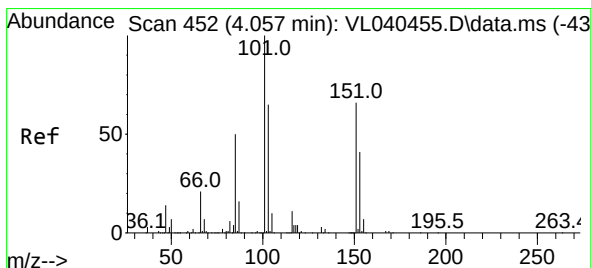
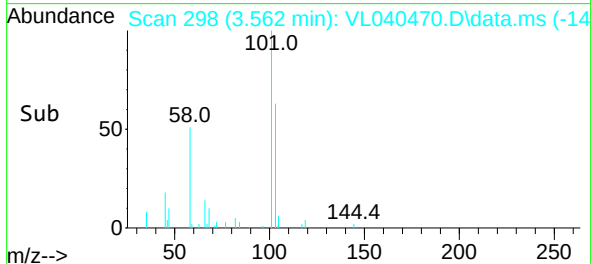
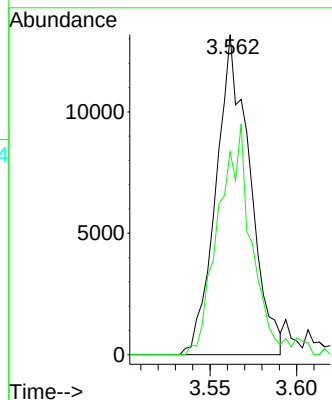
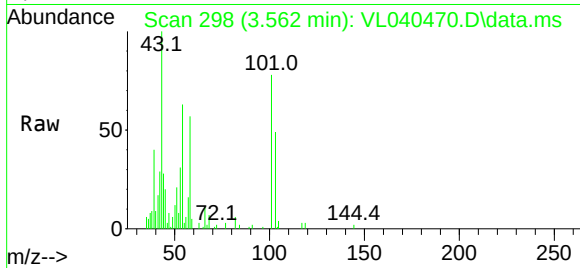




#11
 Trichlorofluoromethane
 Concen: 0.084 ppbv
 RT: 3.562 min Scan# 295
 Delta R.T. 0.010 min
 Lab File: VL040470.D
 Acq: 15 Jun 2023 16:52

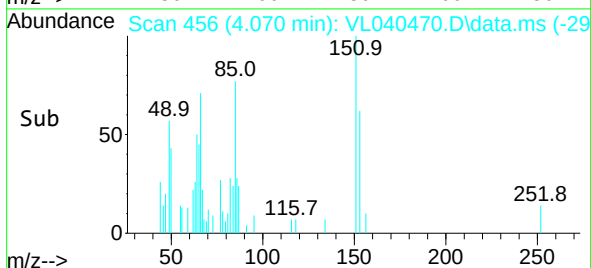
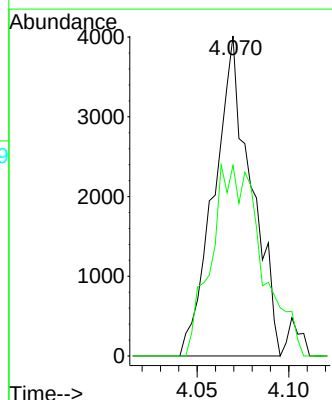
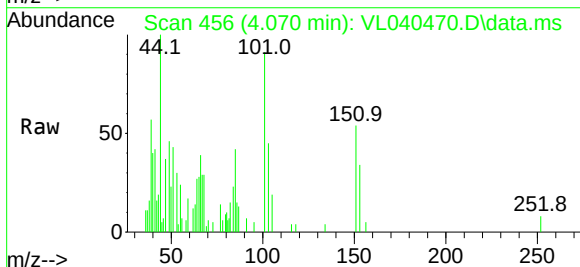
Instrument :
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 ClientSampleId :
 SVP-02DUP

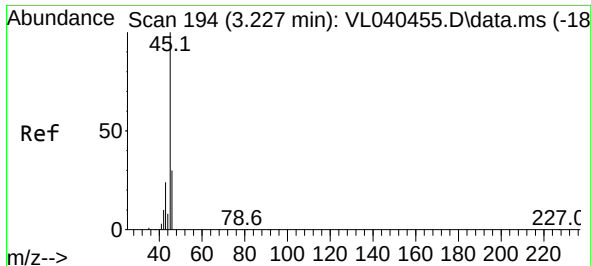
Tgt Ion:101 Resp: 17856
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.038 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.013 min
 Lab File: VL040470.D
 Acq: 15 Jun 2023 16:52

Tgt Ion:101 Resp: 5647
 Ion Ratio Lower Upper
 101 100
 151 81.2 54.3 81.5

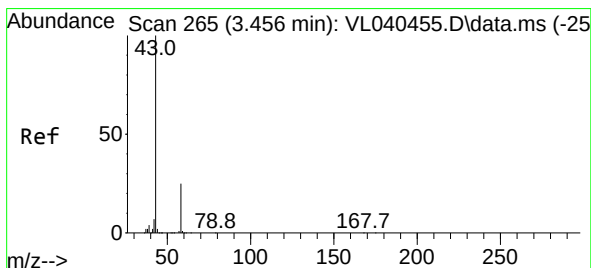
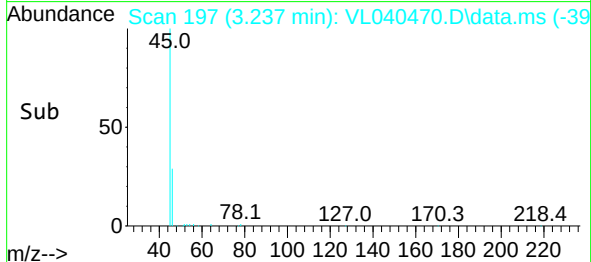
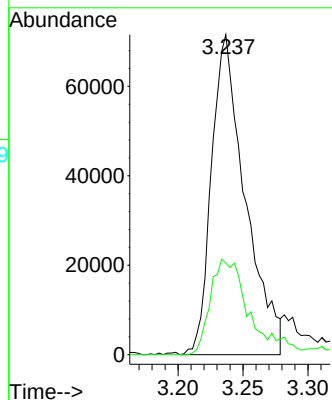
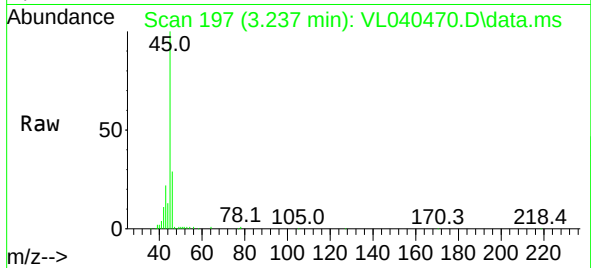




#13
Ethanol
Concen: 10.334 ppbv
RT: 3.237 min Scan# 194
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

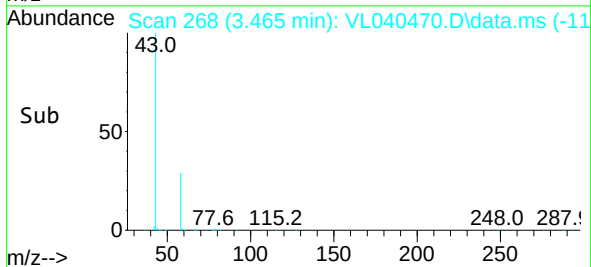
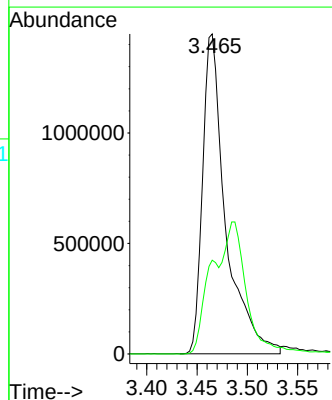
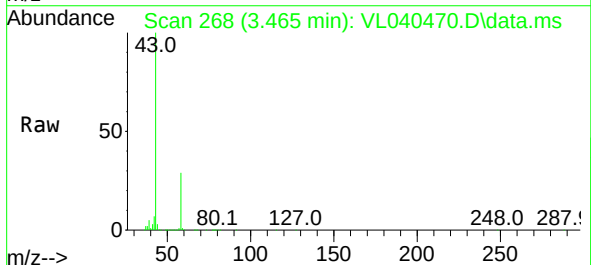
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

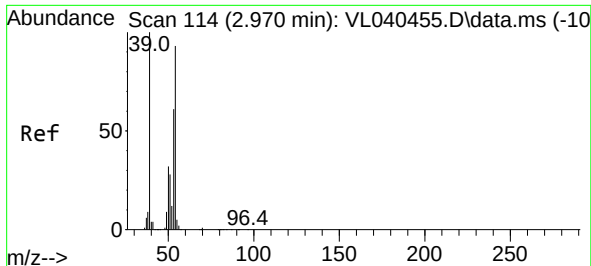
Tgt Ion: 45 Resp: 129103
Ion Ratio Lower Upper
45 100
46 38.1 14.5 58.1



#15
Acetone
Concen: 16.028 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 43 Resp: 2309072
Ion Ratio Lower Upper
43 100
58 62.3 21.6 32.4#

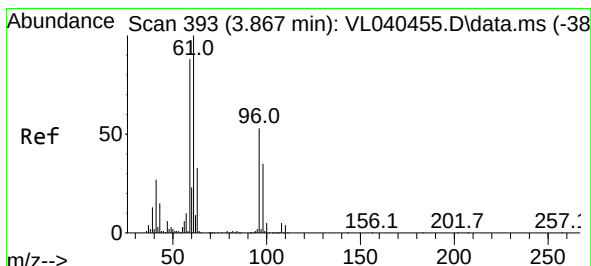
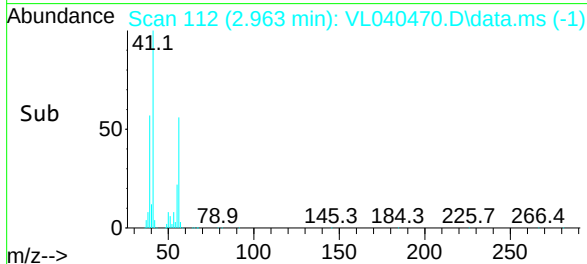
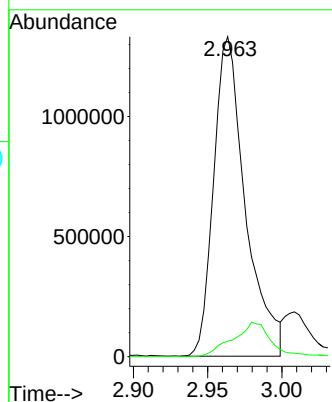
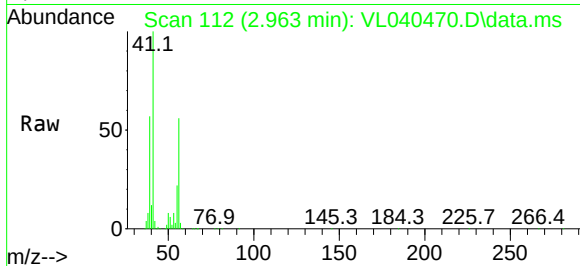




#16
1,3-Butadiene
Concen: 28.229 ppbv
RT: 2.963 min Scan# 114
Delta R.T. -0.007 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

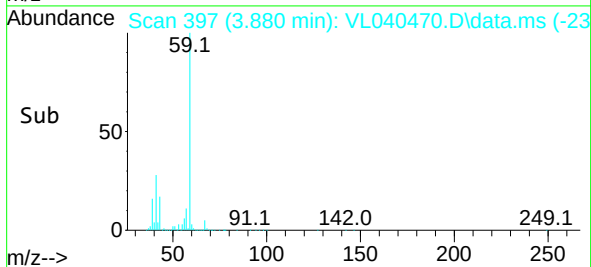
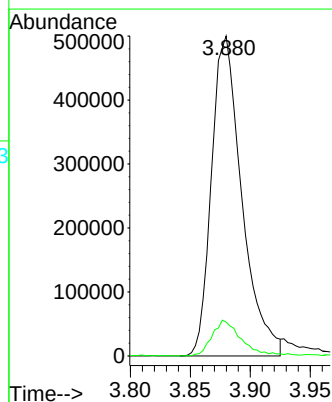
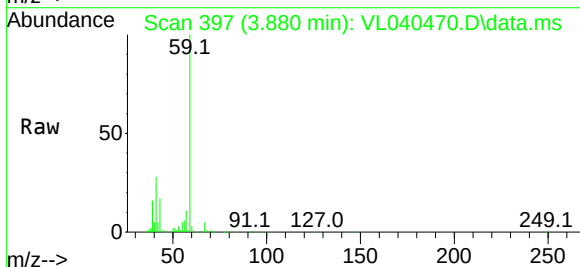
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

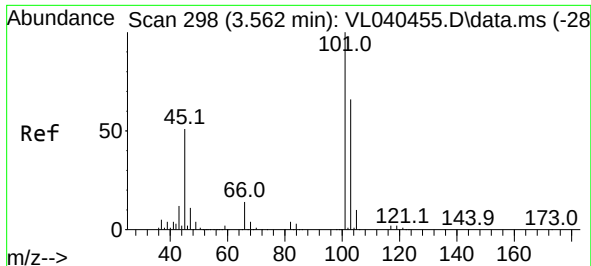
Tgt Ion: 39 Resp: 1979413
Ion Ratio Lower Upper
39 100
54 13.2 66.9 100.3#



#17
tert-Butyl alcohol
Concen: 7.433 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 59 Resp: 880280
Ion Ratio Lower Upper
59 100
57 10.9 8.8 13.2





#19

Isopropyl Alcohol

Concen: 0.123 ppbv

RT: 3.574 min Scan# 302

Delta R.T. 0.013 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

Instrument :

MSVOA_L

ClientSampleId :

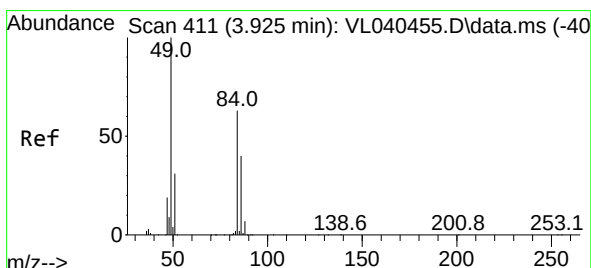
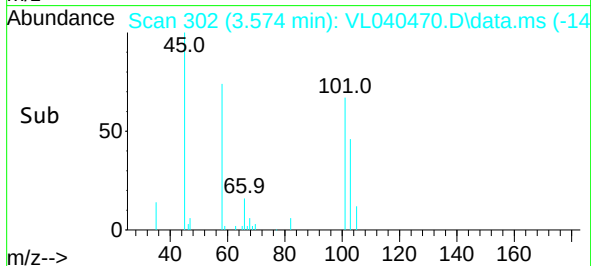
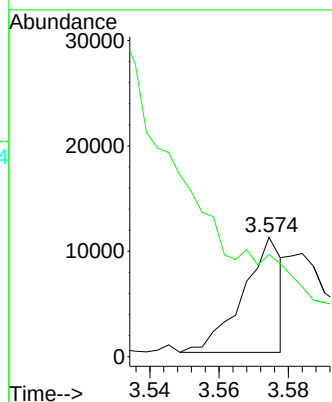
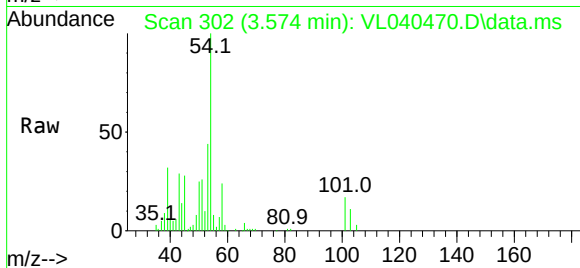
SVP-02DUP

Tgt Ion: 45 Resp: 8511

Ion Ratio Lower Upper

45 100

58 0.0 2.6 4.0#



#20

Methylene Chloride

Concen: 5.641 ppbv

RT: 3.934 min Scan# 414

Delta R.T. 0.010 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

Tgt Ion: 84 Resp: 346827

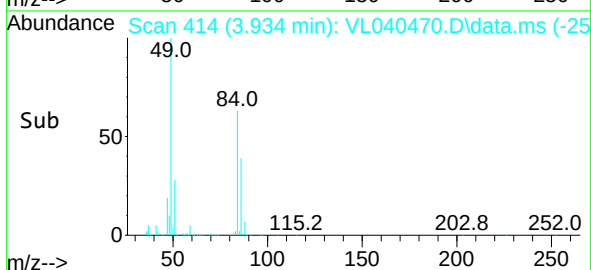
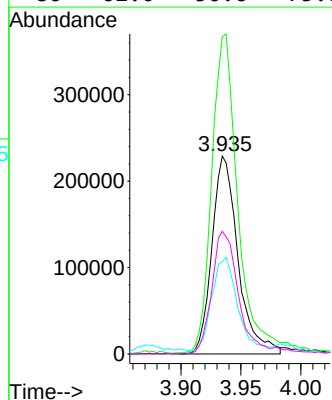
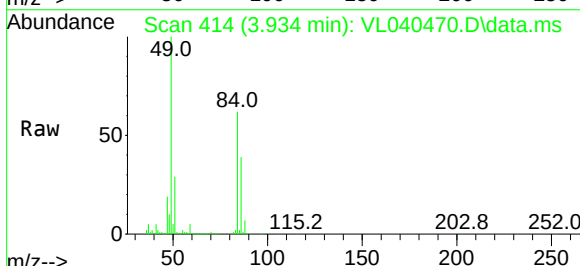
Ion Ratio Lower Upper

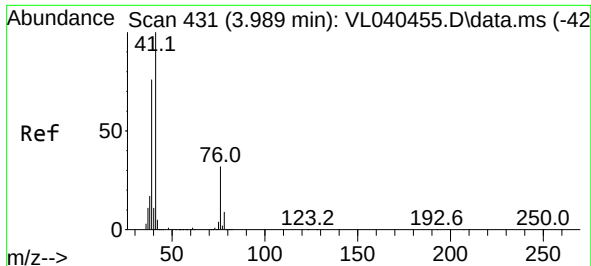
84 100

49 159.6 126.2 189.2

51 44.2 38.7 58.1

86 62.0 50.6 75.8

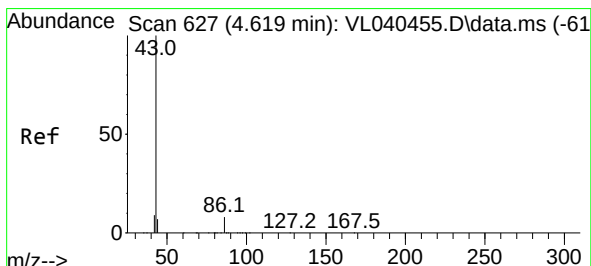
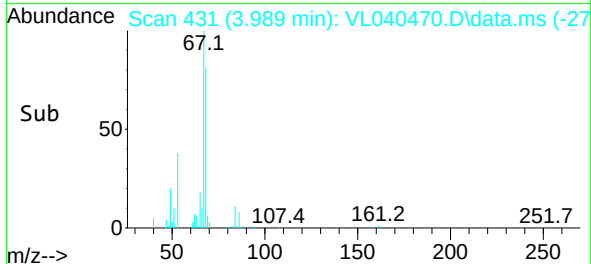
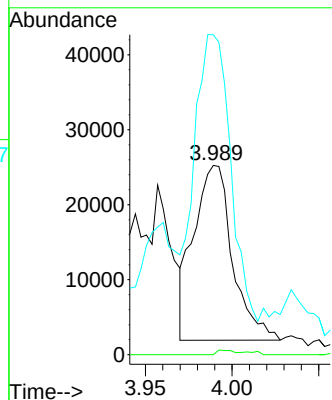
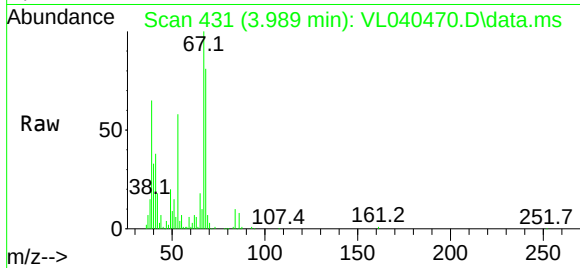




#21
 Allyl Chloride
 Concen: 0.445 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040470.D
 Acq: 15 Jun 2023 16:52

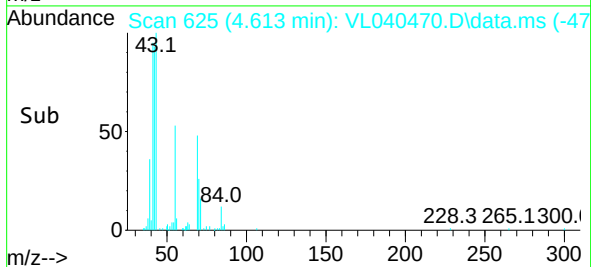
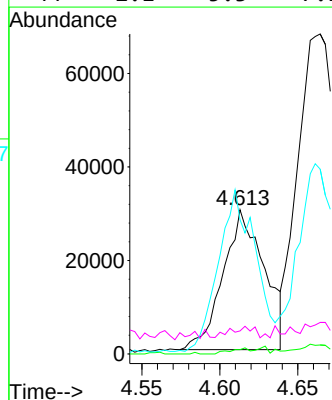
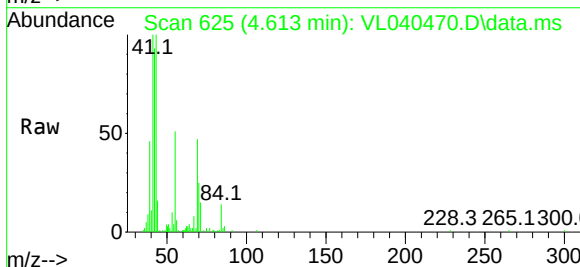
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DUP

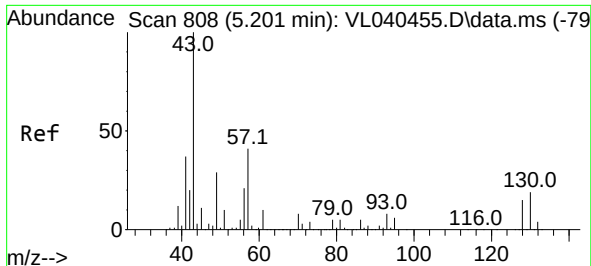
Tgt Ion:	41	Resp:	36251
Ion Ratio	Lower	Upper	
41	100		
76	0.0	26.1	39.1#
39	237.4	63.9	95.9#



#23
 Vinyl Acetate
 Concen: 0.390 ppbv
 RT: 4.613 min Scan# 625
 Delta R.T. -0.007 min
 Lab File: VL040470.D
 Acq: 15 Jun 2023 16:52

Tgt Ion:	43	Resp:	54933
Ion Ratio	Lower	Upper	
43	100		
86	3.1	5.8	8.6#
42	93.6	7.4	11.2#
44	2.1	5.3	7.9#

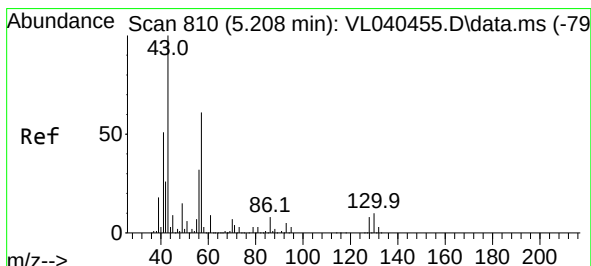
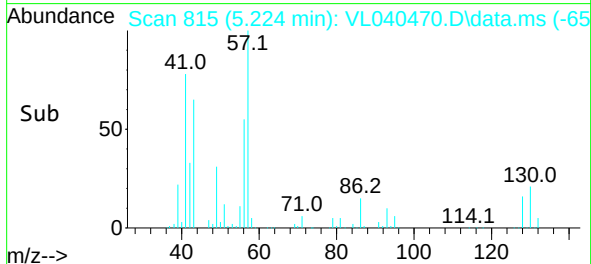
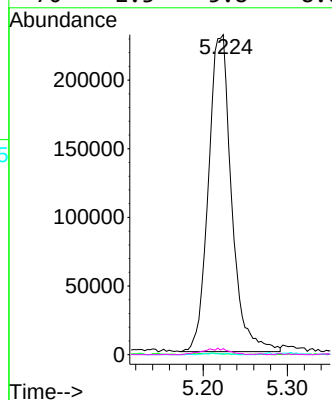
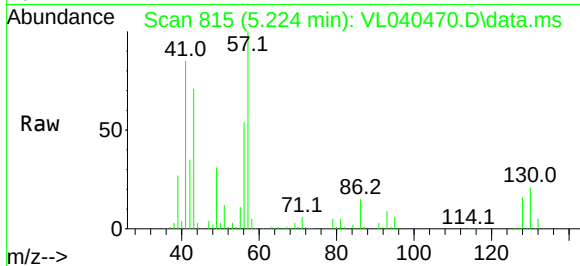




#25
Ethyl Acetate
Concen: 1.687 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.022 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

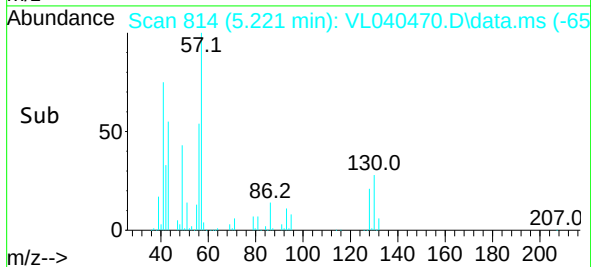
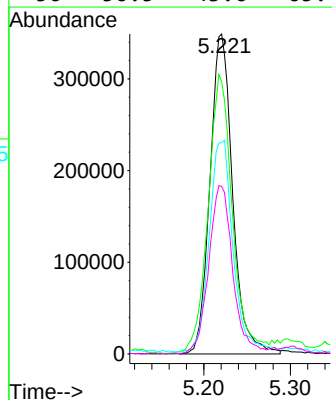
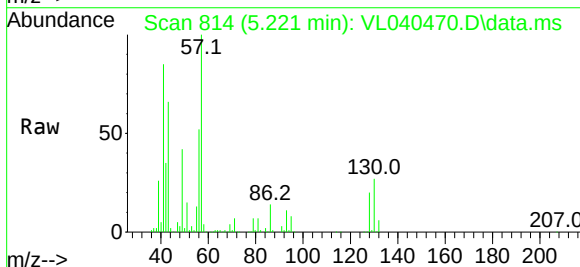
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

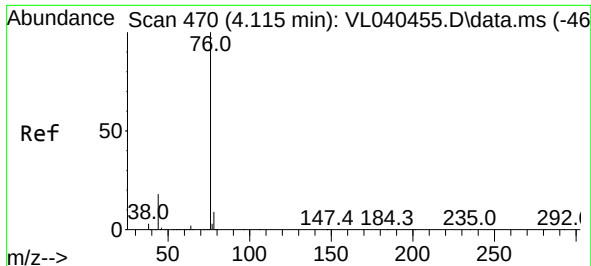
Tgt Ion: 43 Resp: 440451
Ion Ratio Lower Upper
43 100
45 0.5 8.0 12.0#
61 0.4 8.1 12.1#
70 2.3 5.8 8.6#



#26
Hexane
Concen: 5.134 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 57 Resp: 634619
Ion Ratio Lower Upper
57 100
41 93.3 73.0 109.6
43 70.7 177.5 266.3#
56 56.5 43.6 65.4

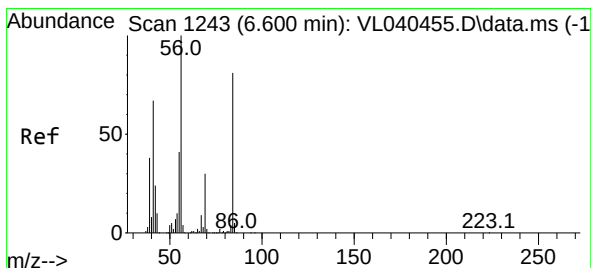
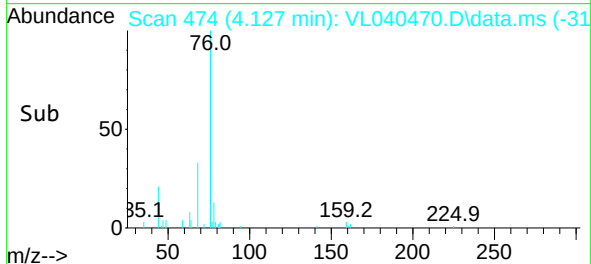
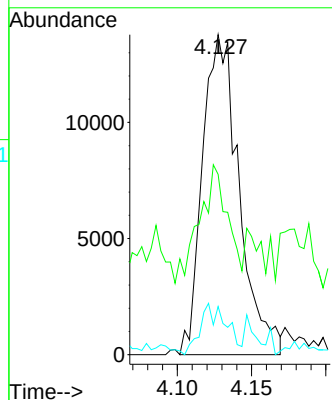
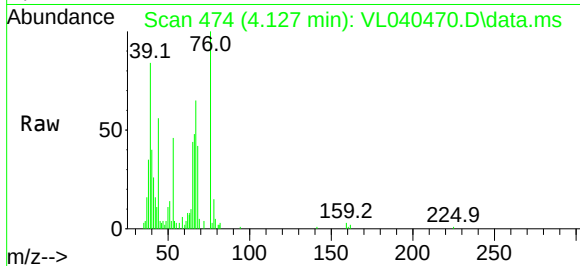




#27
Carbon Disulfide
Concen: 0.153 ppbv
RT: 4.127 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

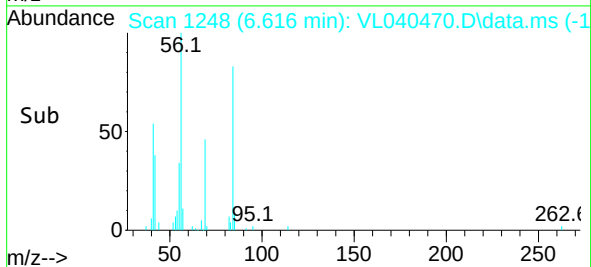
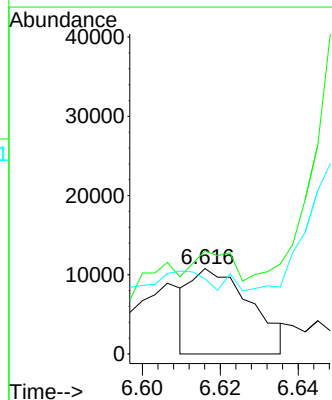
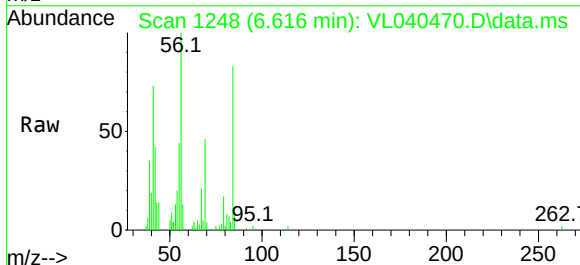
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

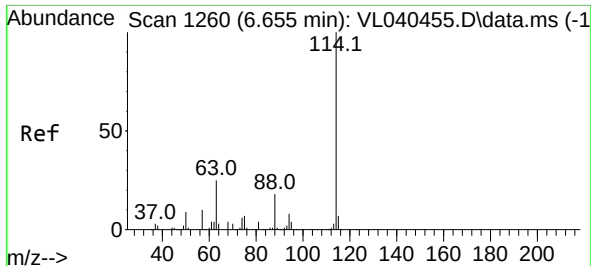
Tgt Ion: 76 Resp: 23622
Ion Ratio Lower Upper
76 100
44 23.8 14.6 22.0#
78 11.7 7.6 11.4#



#30
Cyclohexane
Concen: 0.117 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. 0.016 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 84 Resp: 11669
Ion Ratio Lower Upper
84 100
56 0.0 106.0 159.0#
41 0.0 66.8 100.2#

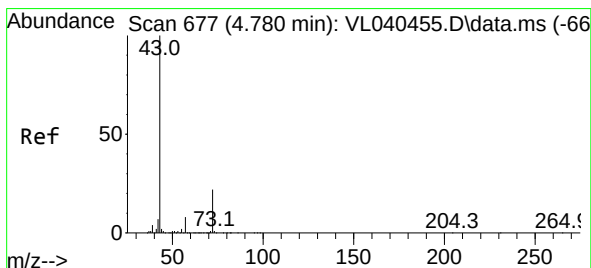
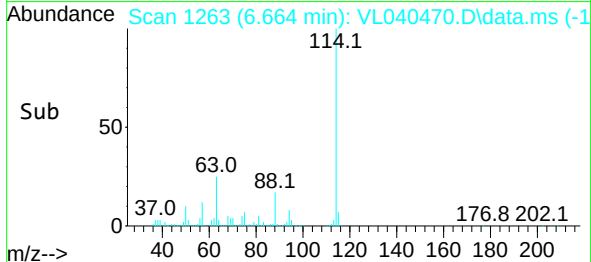
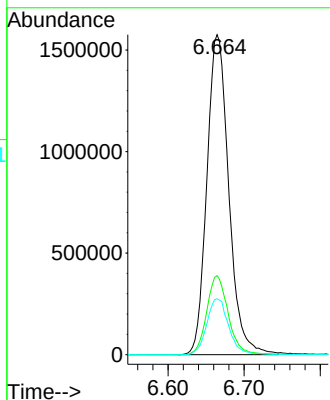
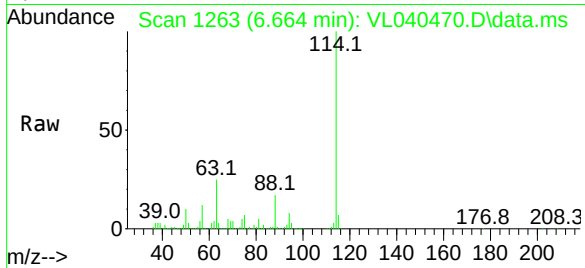




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.664 min Scan# 114
 Delta R.T. 0.010 min
 Lab File: VL040470.D
 Acq: 15 Jun 2023 16:52

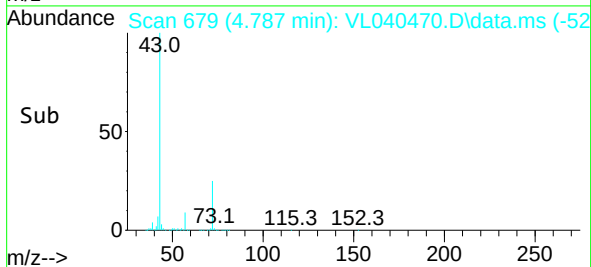
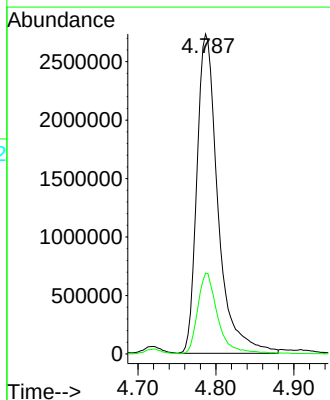
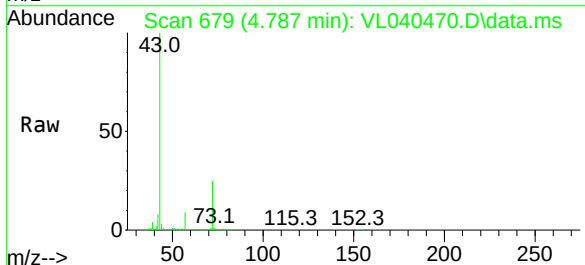
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DUP

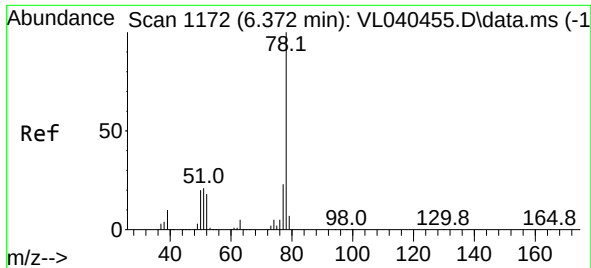
Tgt Ion:114 Resp: 3148874
 Ion Ratio Lower Upper
 114 100
 63 24.5 21.0 31.6
 88 17.6 14.5 21.7



#34
 2-Butanone
 Concen: 33.758 ppbv
 RT: 4.787 min Scan# 679
 Delta R.T. 0.006 min
 Lab File: VL040470.D
 Acq: 15 Jun 2023 16:52

Tgt Ion: 43 Resp: 5125931
 Ion Ratio Lower Upper
 43 100
 72 24.4 18.1 27.1

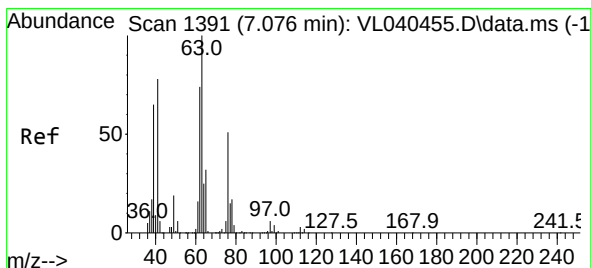
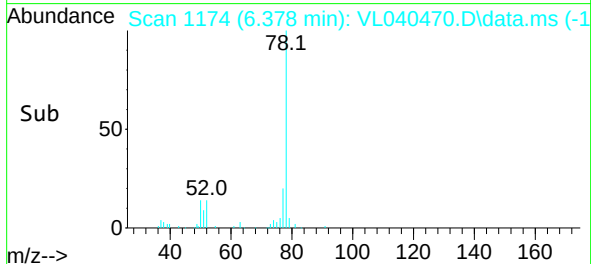
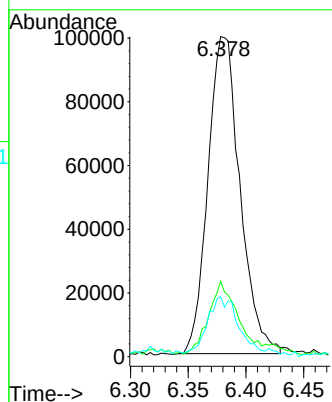
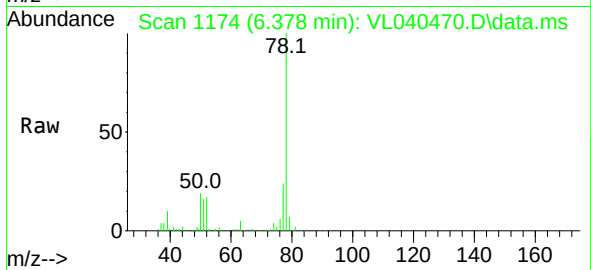




#36
Benzene
Concen: 0.768 ppbv
RT: 6.378 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

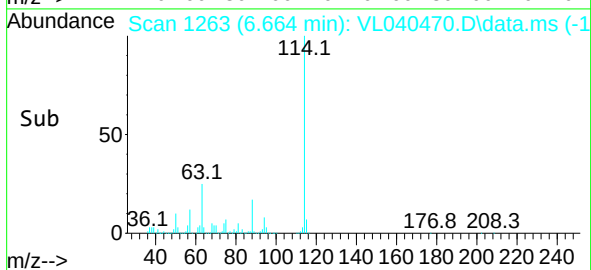
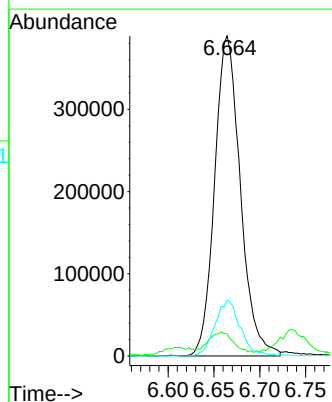
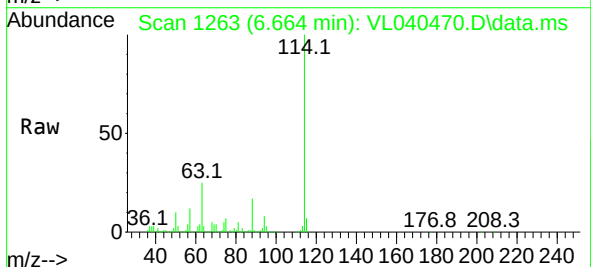
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

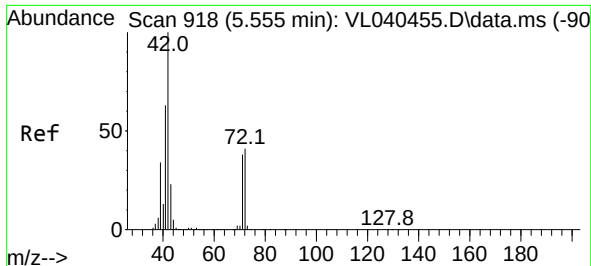
Tgt Ion: 78 Resp: 192345
Ion Ratio Lower Upper
78 100
77 22.3 18.5 27.7
50 18.1 16.1 24.1



#39
1,2-Dichloropropane
Concen: 7.865 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.412 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 63 Resp: 759402
Ion Ratio Lower Upper
63 100
41 4.2 62.2 93.2#
62 17.5 59.0 88.4#

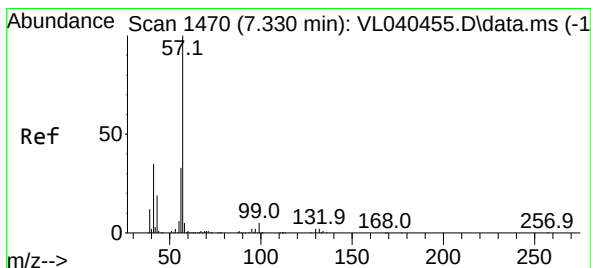
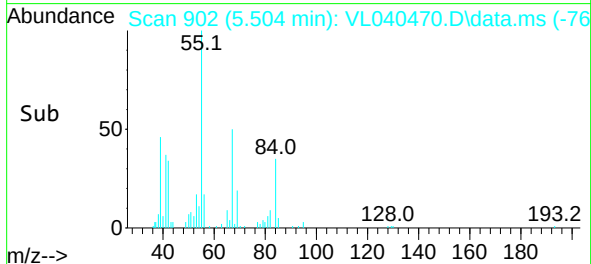
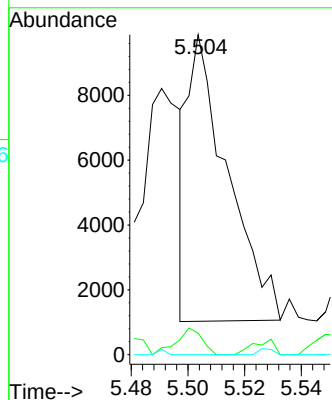
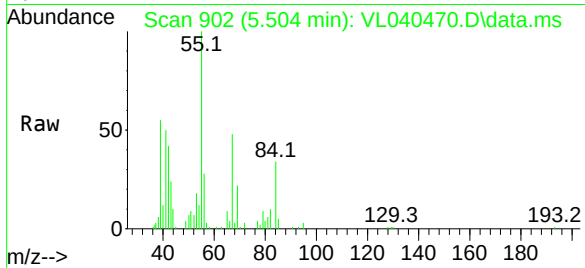




#41
Tetrahydrofuran
Concen: 0.104 ppbv
RT: 5.504 min Scan# 90
Delta R.T. -0.052 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

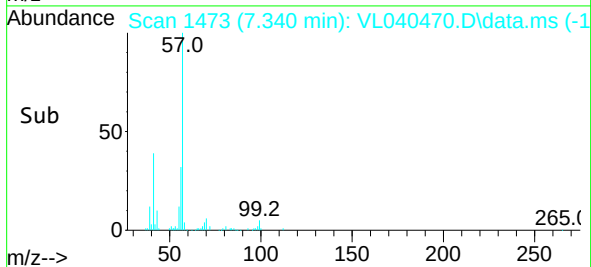
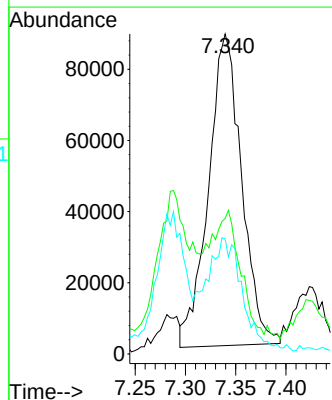
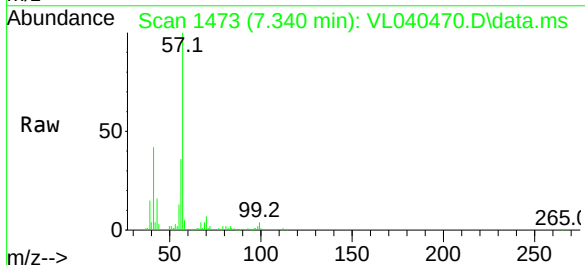
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

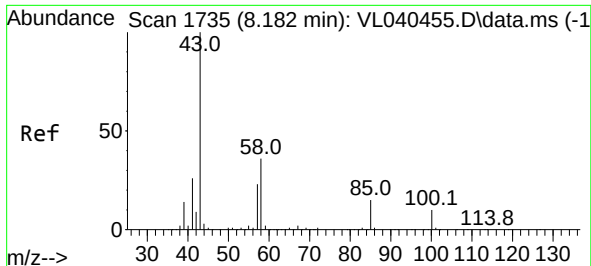
Tgt Ion: 42 Resp: 8615
Ion Ratio Lower Upper
42 100
72 6.0 33.8 50.8#
71 0.0 32.3 48.5#



#44
2,2,4-Trimethylpentane
Concen: 0.491 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 57 Resp: 200945
Ion Ratio Lower Upper
57 100
41 44.8 27.8 41.8#
56 39.9 25.3 37.9#





#50

4-Methyl-2-Pentanone

Concen: 0.080 ppbv

RT: 8.201 min Scan# 1

Delta R.T. 0.019 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

Instrument :

MSVOA_L

ClientSampleId :

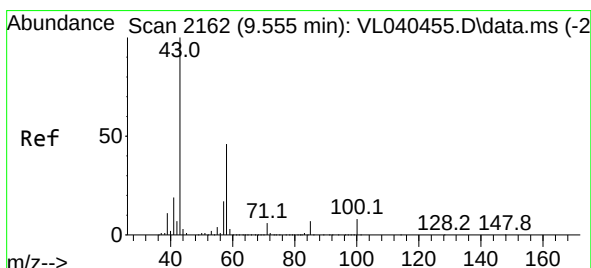
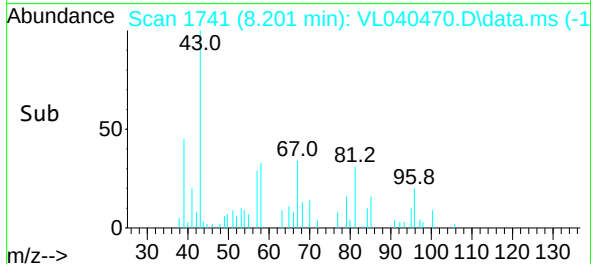
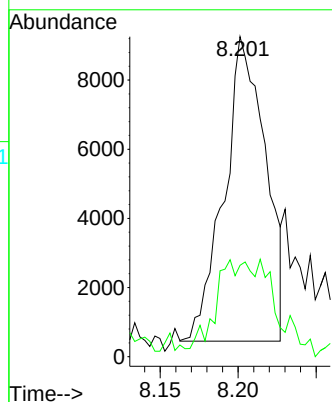
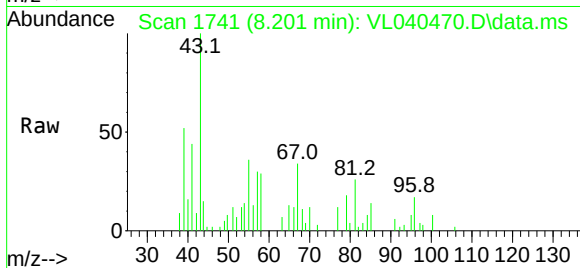
SVP-02DUP

Tgt Ion: 43 Resp: 16314

Ion Ratio Lower Upper

43 100

58 47.7 28.2 42.4#



#51

2-Hexanone

Concen: 7.176 ppbv

RT: 9.565 min Scan# 2165

Delta R.T. 0.010 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

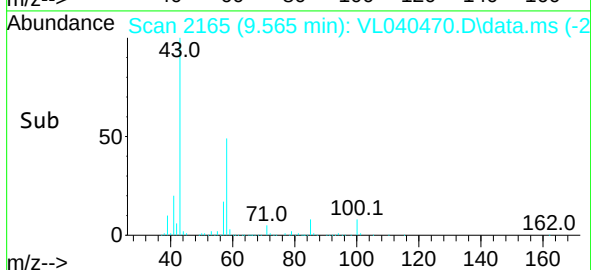
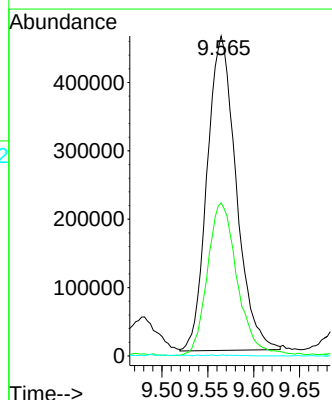
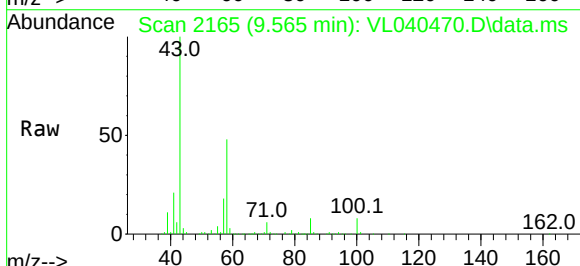
Tgt Ion: 43 Resp: 1013176

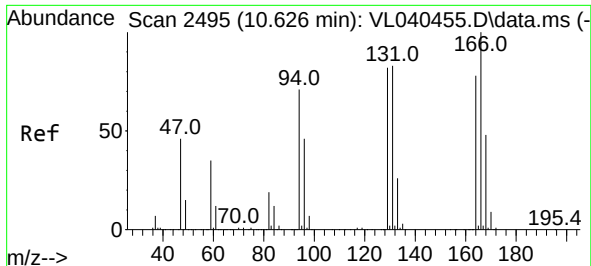
Ion Ratio Lower Upper

43 100

58 51.1 37.1 55.7

98 0.2 0.5 0.7#

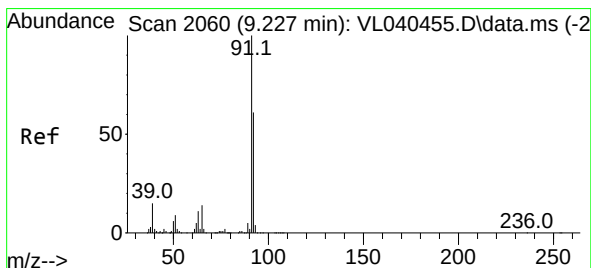
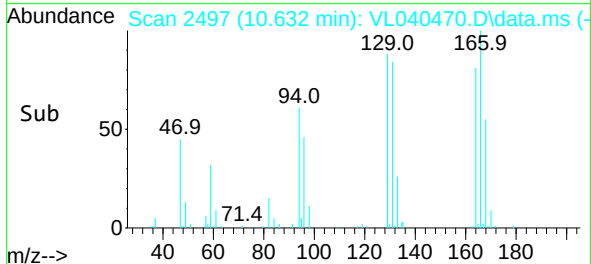
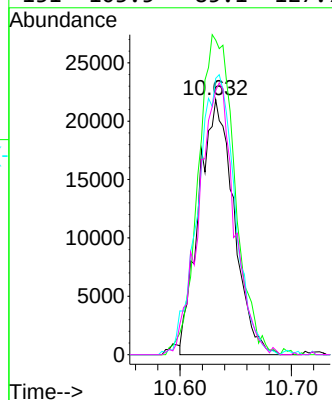
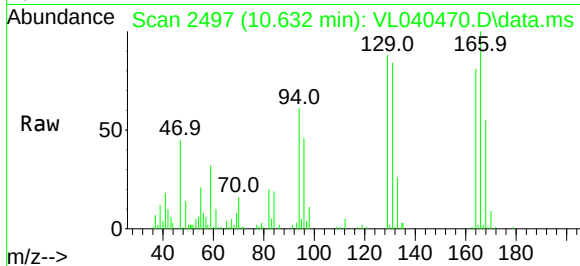




#52
Tetrachloroethene
Concen: 0.607 ppbv
RT: 10.632 min Scan# 2495
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

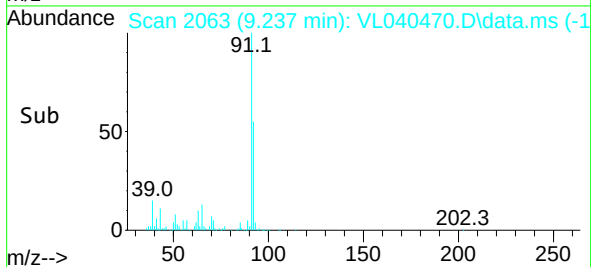
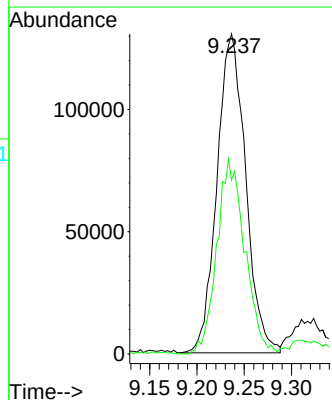
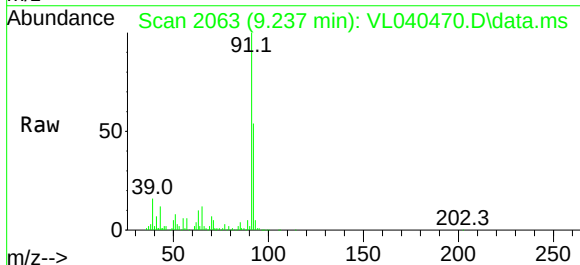
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

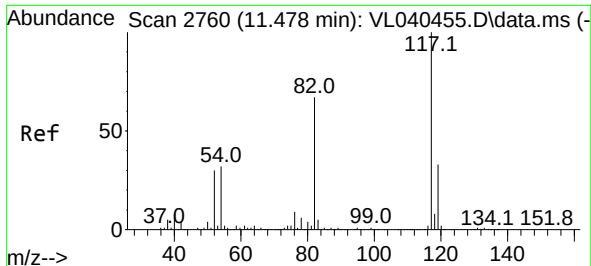
Tgt Ion:164 Resp: 47698
Ion Ratio Lower Upper
164 100
166 123.4 102.7 154.1
129 108.4 84.6 126.8
131 103.5 85.1 127.7



#53
Toluene
Concen: 1.042 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 91 Resp: 274910
Ion Ratio Lower Upper
91 100
92 60.3 49.1 73.7

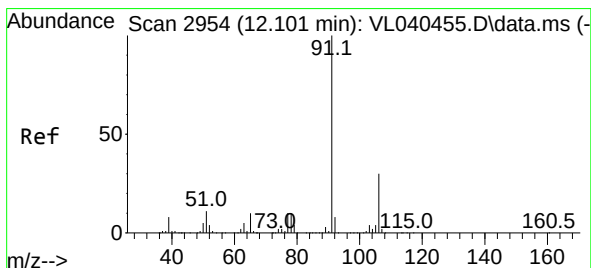
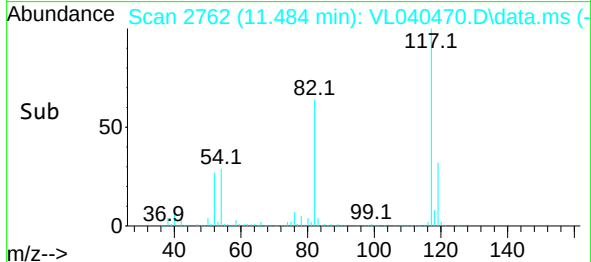
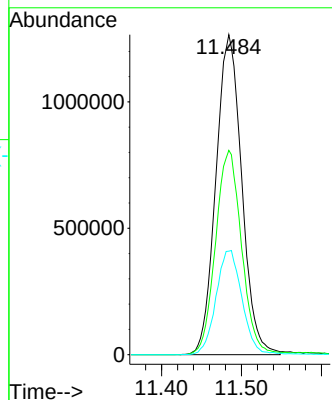
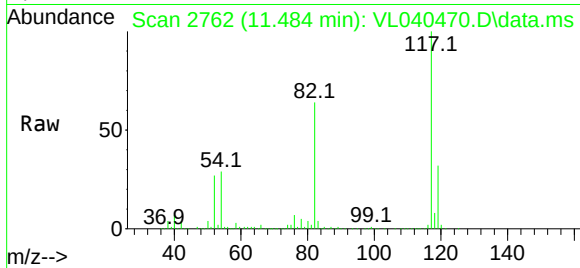




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

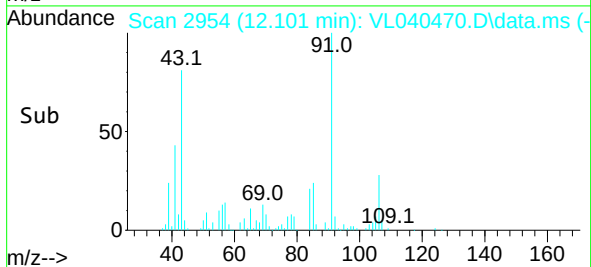
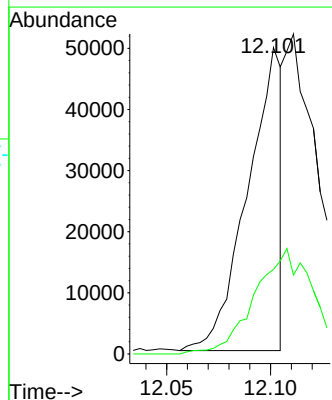
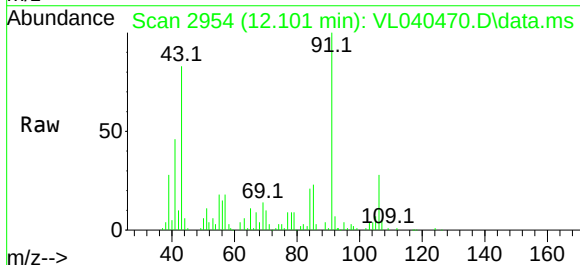
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

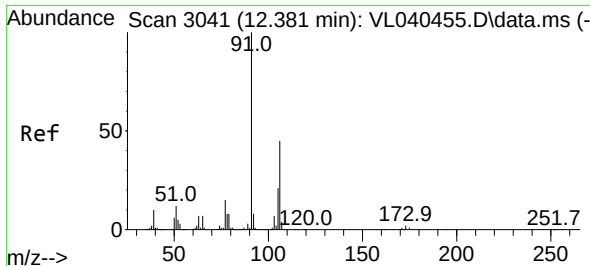
Tgt Ion:117 Resp: 2843153
Ion Ratio Lower Upper
117 100
82 64.4 53.0 79.4
119 32.9 24.4 36.6



#58
Ethyl Benzene
Concen: 0.163 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion: 91 Resp: 56312
Ion Ratio Lower Upper
91 100
106 27.9 23.7 35.5





#59

m/p-Xylene

Concen: 1.036 ppbv

RT: 12.362 min Scan# 3041

Delta R.T. -0.019 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

Instrument :

MSVOA_L

ClientSampleId :

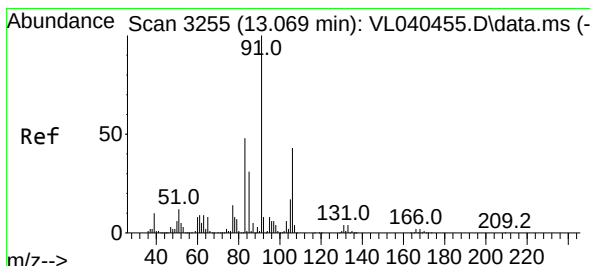
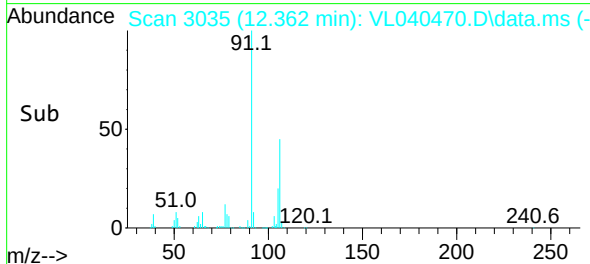
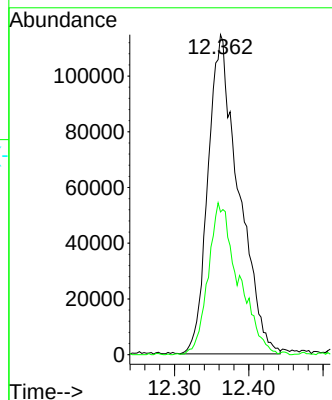
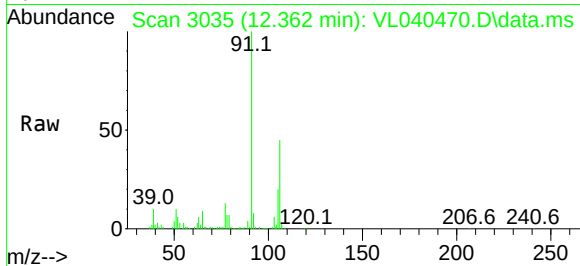
SVP-02DUP

Tgt Ion: 91 Resp: 328087

Ion Ratio Lower Upper

91 100

106 47.3 34.6 52.0



#60

o-Xylene

Concen: 0.622 ppbv

RT: 13.079 min Scan# 3258

Delta R.T. 0.010 min

Lab File: VL040470.D

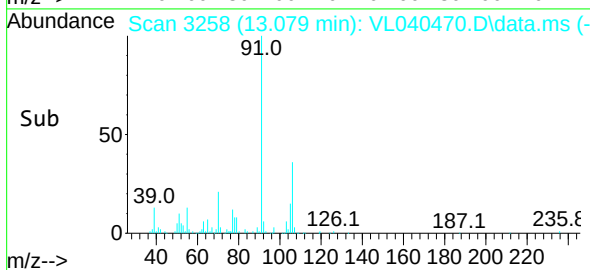
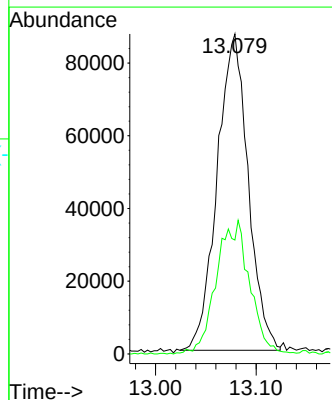
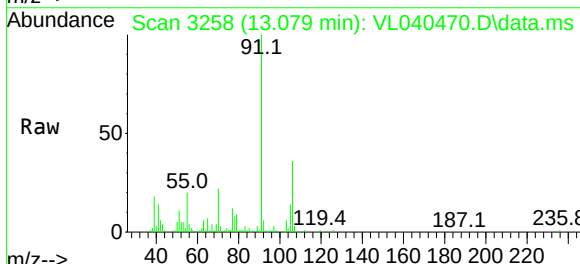
Acq: 15 Jun 2023 16:52

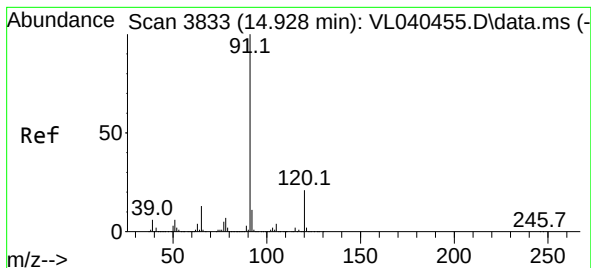
Tgt Ion: 91 Resp: 186713

Ion Ratio Lower Upper

91 100

106 45.2 22.1 66.1





#64

n-propylbenzene

Concen: 0.031 ppbv

RT: 14.934 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

Instrument :

MSVOA_L

ClientSampleId :

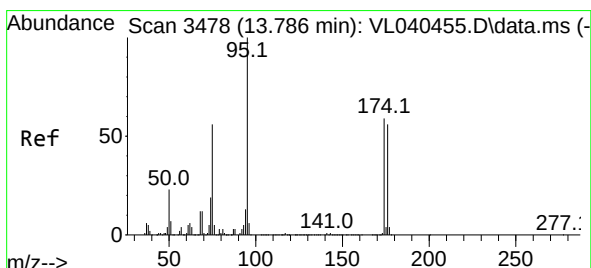
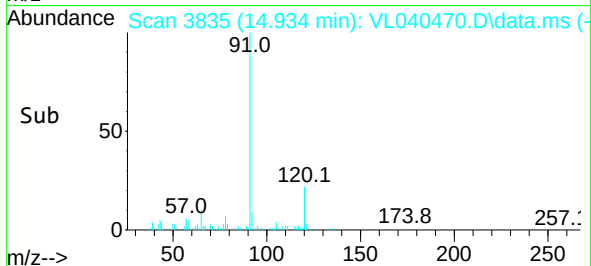
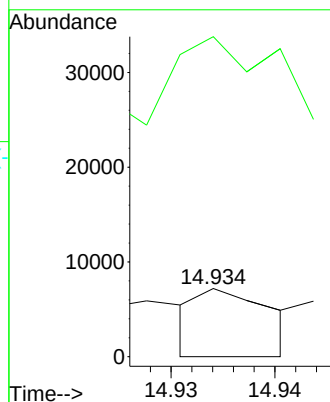
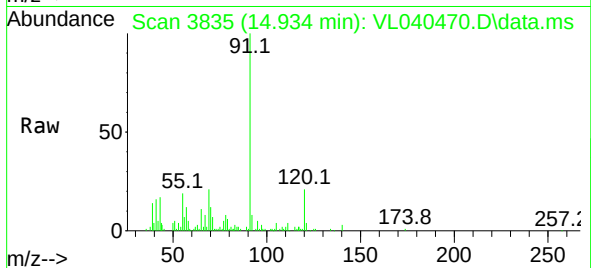
SVP-02DUP

Tgt Ion:120 Resp: 3479

Ion Ratio Lower Upper

120 100

91 2150.7 388.5 582.7#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.706 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.006 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

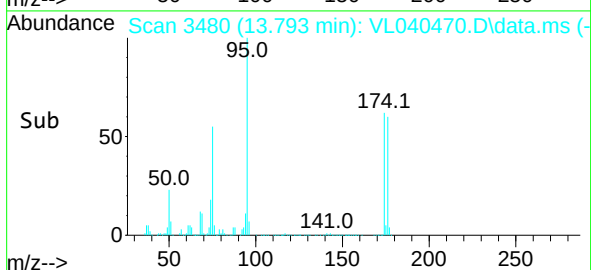
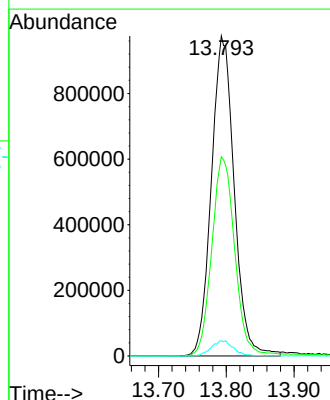
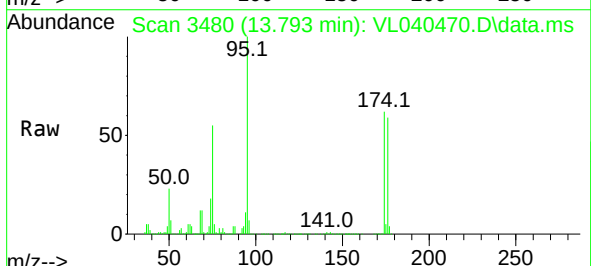
Tgt Ion: 95 Resp: 2277568

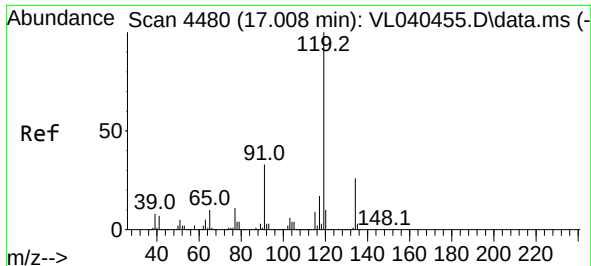
Ion Ratio Lower Upper

95 100

174 63.7 47.7 71.5

175 4.7 3.5 5.3





#69

p-Isopropyltoluene

Concen: 0.042 ppbv

RT: 17.011 min Scan# 4480

Delta R.T. 0.003 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

Instrument :

MSVOA_L

ClientSampleId :

SVP-02DUP

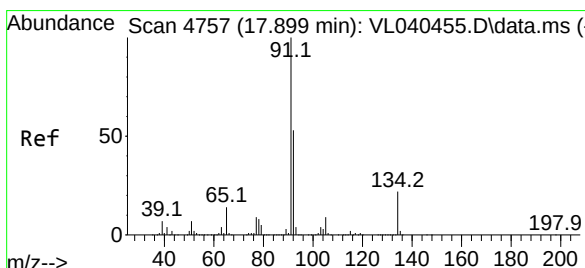
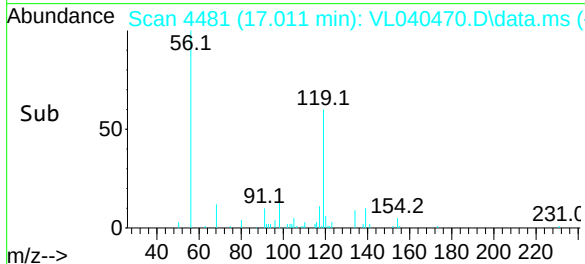
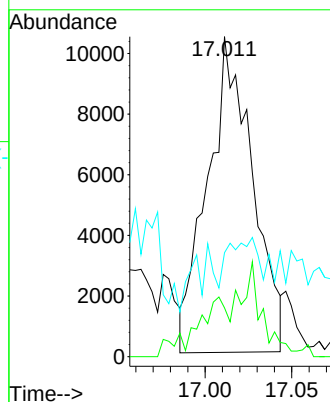
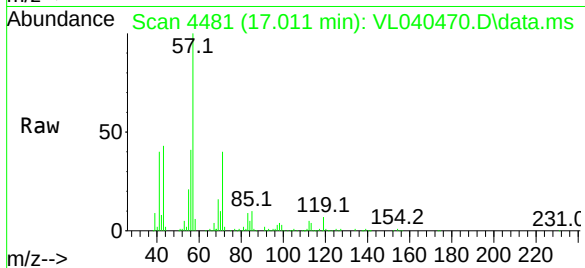
Tgt Ion:119 Resp: 18810

Ion Ratio Lower Upper

119 100

134 28.9 20.3 30.5

91 38.7 25.5 38.3#



#70

n-Butylbenzene

Concen: 0.030 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.006 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

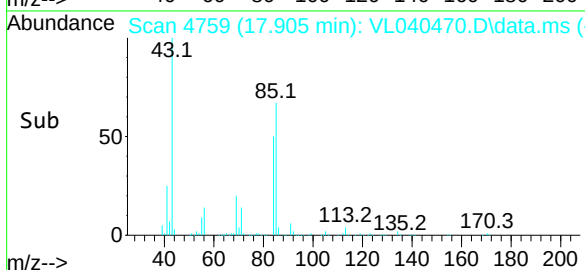
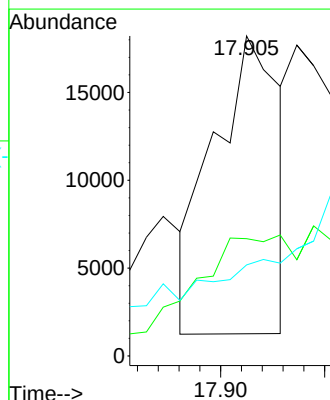
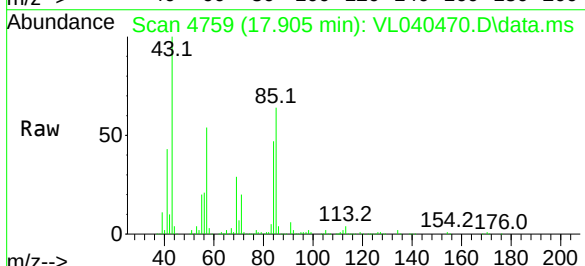
Tgt Ion: 91 Resp: 14876

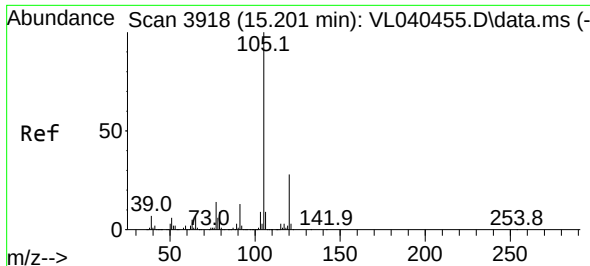
Ion Ratio Lower Upper

91 100

92 0.0 42.7 64.1#

134 0.0 16.9 25.3#

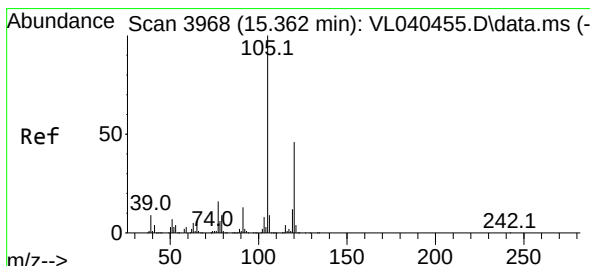
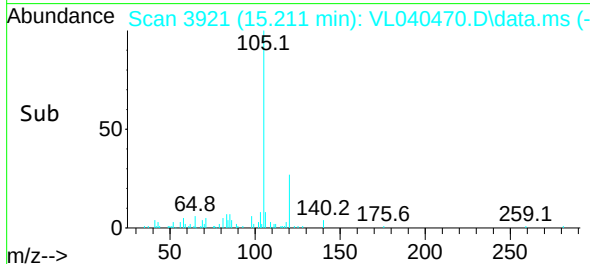
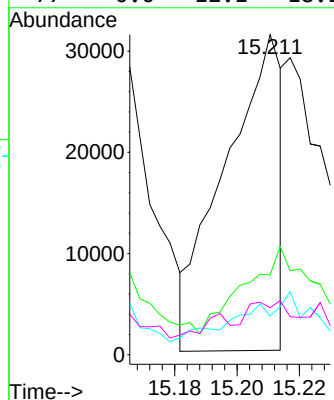
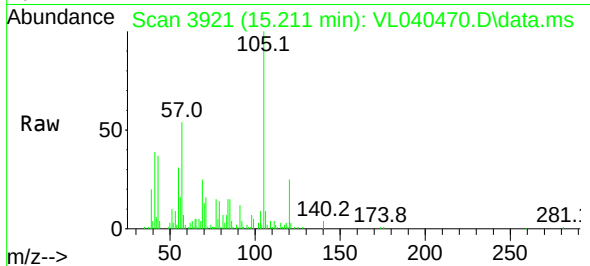




#72
4-Ethyltoluene
Concen: 0.116 ppbv
RT: 15.211 min Scan# 3918
Delta R.T. 0.010 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

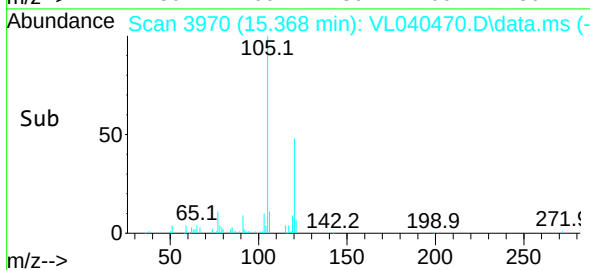
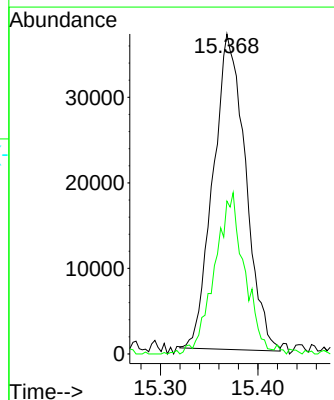
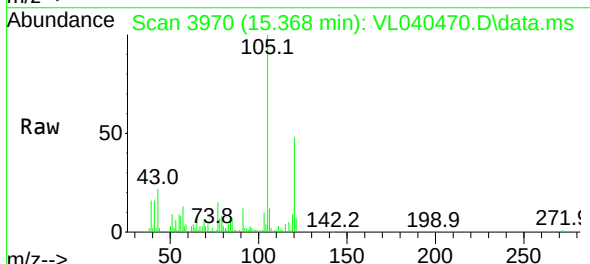
Instrument :
MSVOA_L
ClientSampleId :
SVP-02DUP

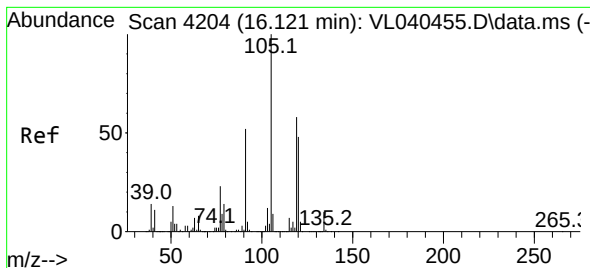
Tgt Ion:105 Resp: 39382
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0#
91 0.0 11.1 16.7#
77 0.0 12.1 18.1#



#73
1,3,5-Trimethylbenzene
Concen: 0.285 ppbv
RT: 15.368 min Scan# 3970
Delta R.T. 0.006 min
Lab File: VL040470.D
Acq: 15 Jun 2023 16:52

Tgt Ion:105 Resp: 85179
Ion Ratio Lower Upper
105 100
120 48.7 36.4 54.6





#74

1,2,4-Trimethylbenzene

Concen: 0.948 ppbv

RT: 16.127 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040470.D

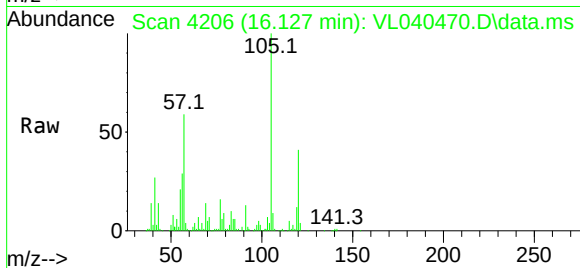
Acq: 15 Jun 2023 16:52

Instrument :

MSVOA_L

ClientSampleId :

SVP-02DUP



Tgt Ion:105 Resp: 333338

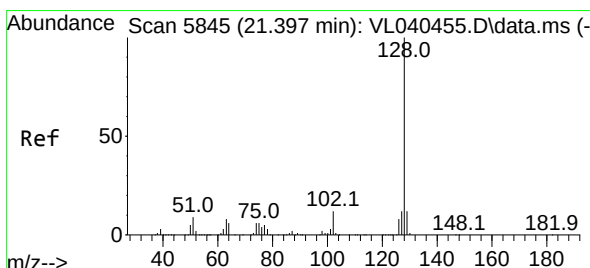
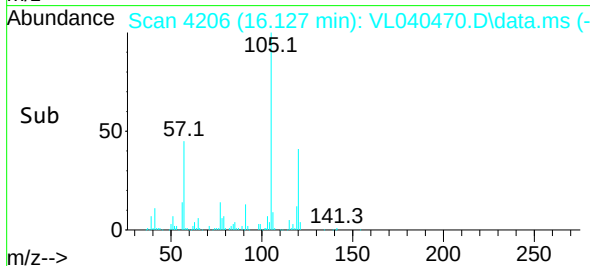
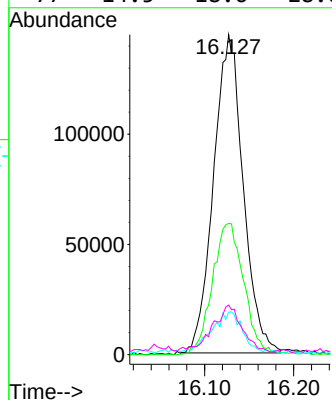
Ion Ratio Lower Upper

105 100

120 41.2 38.4 57.6

91 13.1 41.3 61.9#

77 14.5 18.6 28.0#



#79

Naphthalene

Concen: 0.077 ppbv

RT: 21.419 min Scan# 5852

Delta R.T. 0.022 min

Lab File: VL040470.D

Acq: 15 Jun 2023 16:52

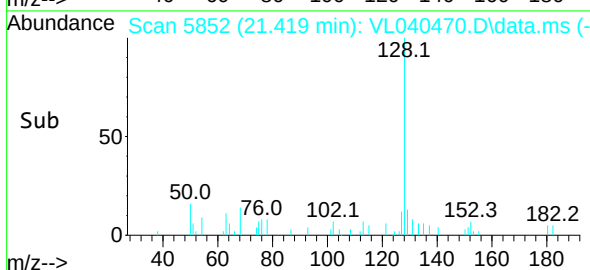
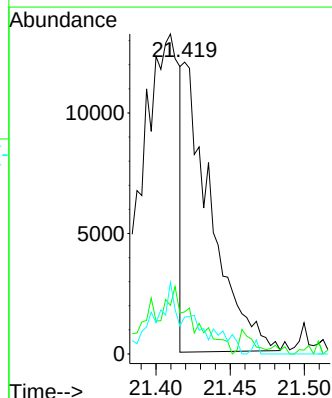
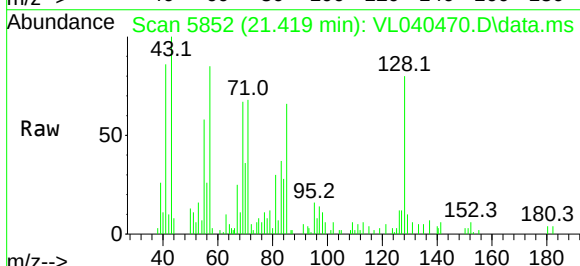
Tgt Ion:128 Resp: 15695

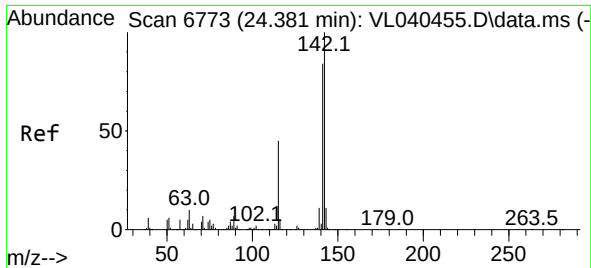
Ion Ratio Lower Upper

128 100

127 13.4 9.9 14.9

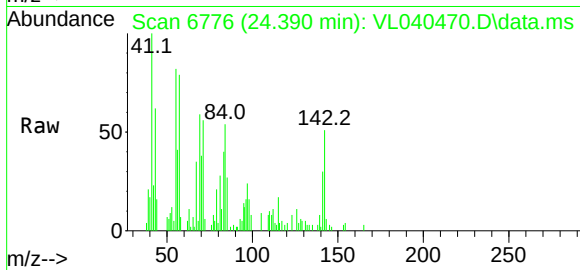
129 12.8 9.2 13.8





#80
 Naphthalene, 2-methyl-
 Concen: 0.169 ppbv
 RT: 24.390 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040470.D
 Acq: 15 Jun 2023 16:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02DUP



Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	65.4	98.0
115	72.5	36.6	55.0

