

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\Reviewed data\
 Data File : VL040015.D
 Acq On : 13 Dec 2022 21:33
 Operator : SY/MD
 Sample : N5971-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

Quant Time: Dec 21 15:06:49 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	933257	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	2427119	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.458	117	2338478	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1836144 10.280 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	40277	0.301	ppbv	94
3) Chlorodifluoromethane	2.661	51	73408	0.570	ppbv	93
4) Chloromethane	2.783	50	422431	5.133	ppbv #	44
5) Vinyl Chloride	2.909	62	3099	0.048	ppbv #	77
6) Bromomethane	3.102	94	23635	1.078	ppbv #	75
7) Chloroethane	2.783	64	1697977	66.801	ppbv	98
8) Dichlorotetrafluoroethane	2.783	85	2406512	15.768	ppbv #	16
9) Propene	2.857	41	722014	11.902	ppbv	96
10) Heptane	7.568	43	217013	1.483	ppbv	98
11) Trichlorofluoromethane	3.597	101	7899	0.048	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.044	101	4678	0.038	ppbv #	19
13) Ethanol	3.221	45	3173682	685.244	ppbv	100
15) Acetone	3.446	43	11798187	95.311	ppbv #	87
16) 1,3-Butadiene	2.951	39	750221	12.161	ppbv #	30
17) tert-Butyl alcohol	3.873	59	209104	1.469	ppbv	96
19) Isopropyl Alcohol	3.565	45	330537	4.932	ppbv #	1
20) Methylene Chloride	3.915	84	127205	2.121	ppbv	91
21) Allyl Chloride	3.938	41	10027	0.117	ppbv #	58
23) Vinyl Acetate	4.594	43	152501	2.999	ppbv #	1
25) Ethyl Acetate	5.195	43	284351	1.251	ppbv #	78
26) Hexane	5.195	57	401278	4.042	ppbv #	39
27) Carbon Disulfide	4.111	76	72809	0.581	ppbv	96
30) Cyclohexane	6.587	84	193191	1.983	ppbv	92
34) 2-Butanone	4.770	43	188390	1.622	ppbv #	90
35) Carbon Tetrachloride	6.481	117	4812	0.035	ppbv #	74
36) Benzene	6.352	78	599694	2.907	ppbv	95
37) 1,2-Dichloroethane	5.793	62	2573	0.023	ppbv #	43
39) 1,2-Dichloropropane	6.639	63	574830	7.152	ppbv #	27
40) 1,4-Dioxane	7.275	88	1251	0.039	ppbv #	1
41) Tetrahydrofuran	5.545	42	177516	2.214	ppbv	97
42) Bromodichloromethane	7.233	83	10540	0.069	ppbv #	28
44) 2,2,4-Trimethylpentane	7.314	57	110660	0.321	ppbv #	1
50) 4-Methyl-2-Pentanone	8.182	43	56719	0.273	ppbv	99
51) 2-Hexanone	9.519	43	81986	0.508	ppbv #	46
53) Toluene	9.208	91	762366	3.244	ppbv	98
58) Ethyl Benzene	12.076	91	128974	0.407	ppbv	90
59) m/p-Xylene	12.330	91	337460	1.271	ppbv	100
60) o-Xylene	13.047	91	171002	0.675	ppbv	97
61) Styrene	12.889	104	68287	0.452	ppbv #	44
62) Isopropylbenzene	14.021	105	26777	0.073	ppbv #	43
64) n-propylbenzene	14.918	120	2228	0.023	ppbv #	1
67) sec-Butylbenzene	16.632	105	11823	0.027	ppbv #	51
69) p-Isopropyltoluene	16.995	119	13466	0.037	ppbv #	1

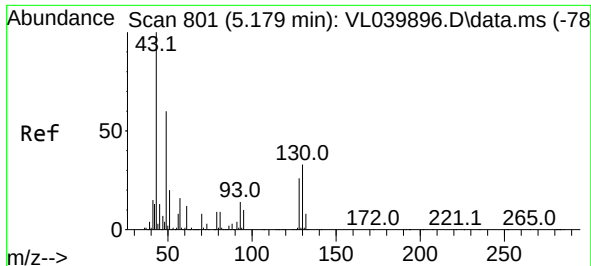
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\Reviewed data\
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	14.905	91	25907	0.094	ppbv	87
72) 4-Ethyltoluene	15.185	105	17397	0.061	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.352	105	14356	0.055	ppbv	89
74) 1,2,4-Trimethylbenzene	16.095	105	90399	0.328	ppbv #	72
80) Naphthalene,2-methyl-	24.393	142	1405	0.030	ppbv #	64

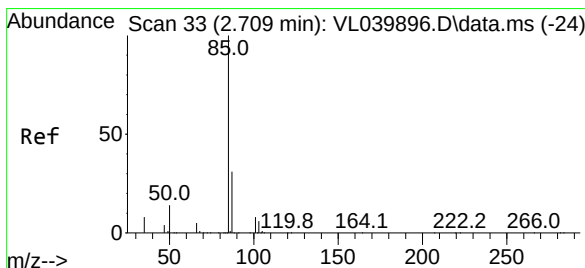
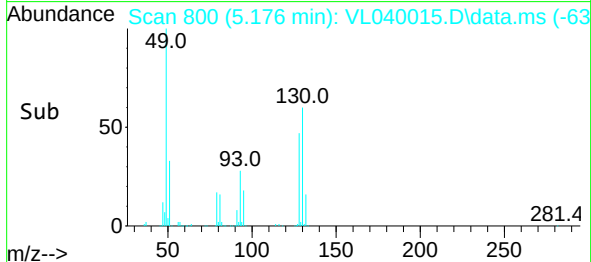
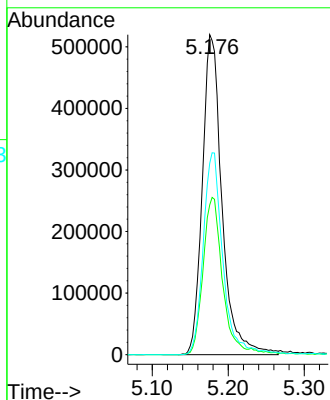
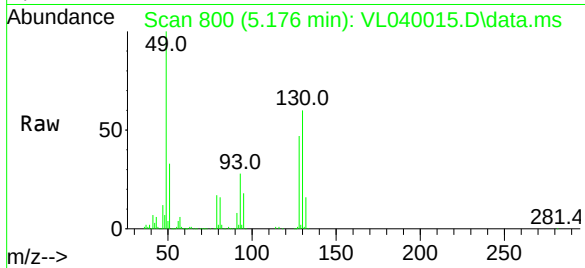
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

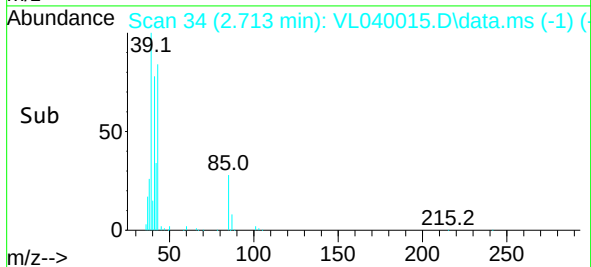
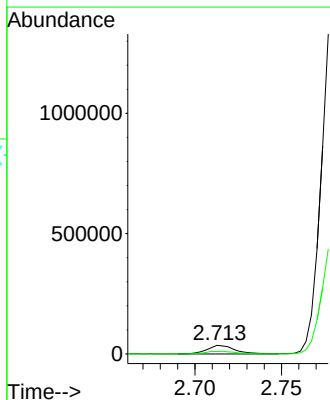
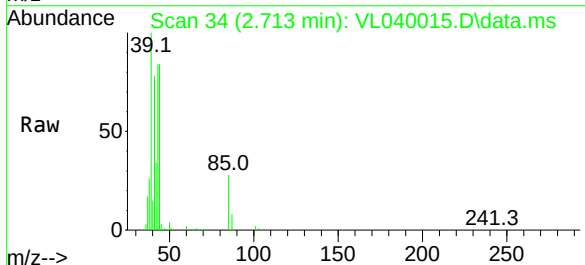
Instrument :
MSVOA_L
ClientSampleId :
SS-4

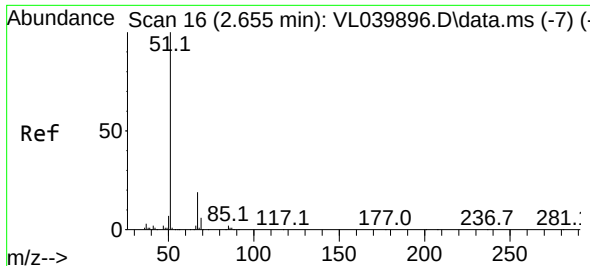
Tgt Ion: 49 Resp: 933257
Ion Ratio Lower Upper
49 100
128 50.2 22.1 66.3
130 63.4 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.301 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.016 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 85 Resp: 40277
Ion Ratio Lower Upper
85 100
87 27.6 25.0 37.4

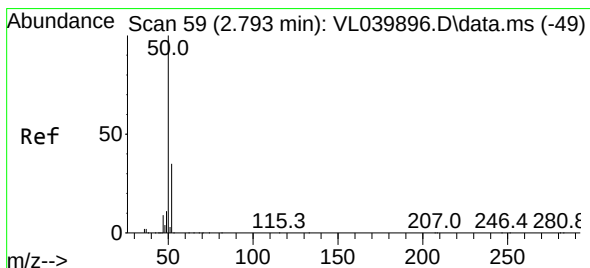
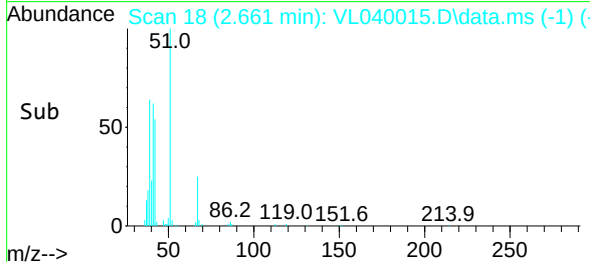
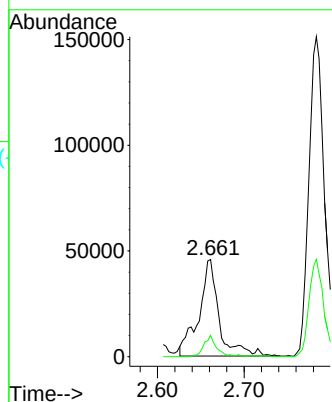
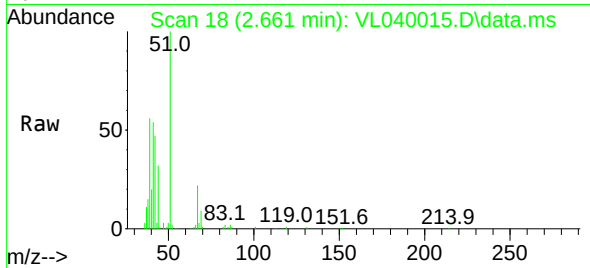




#3
Chlorodifluoromethane
Concen: 0.570 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

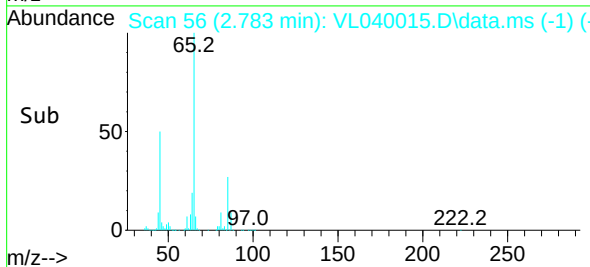
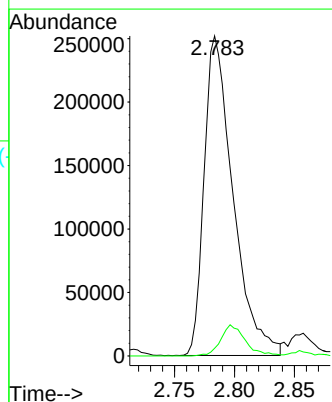
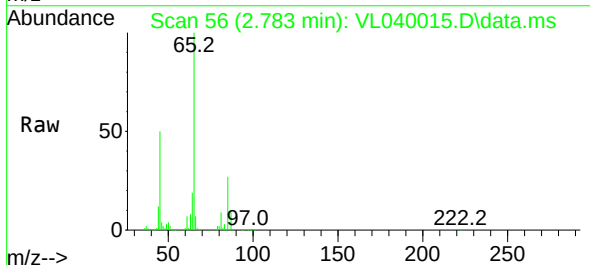
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ClientSampleId :
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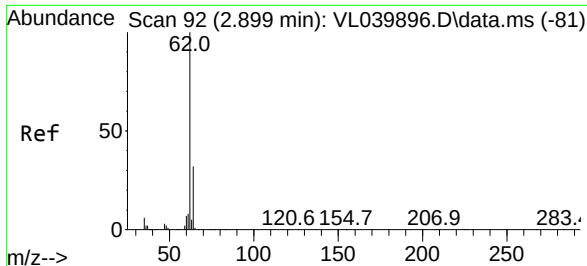
Tgt Ion: 51 Resp: 73408
Ion Ratio Lower Upper
51 100
67 14.6 14.2 21.4



#4
Chloromethane
Concen: 5.133 ppbv
RT: 2.783 min Scan# 56
Delta R.T. 0.003 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 50 Resp: 422431
Ion Ratio Lower Upper
50 100
52 2.4 27.8 41.8#

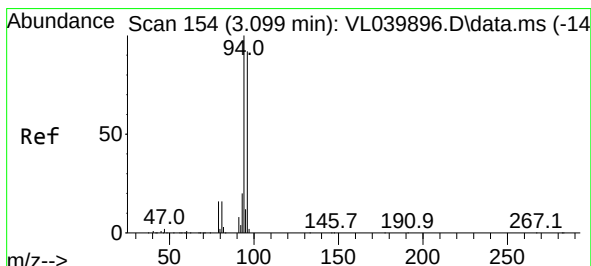
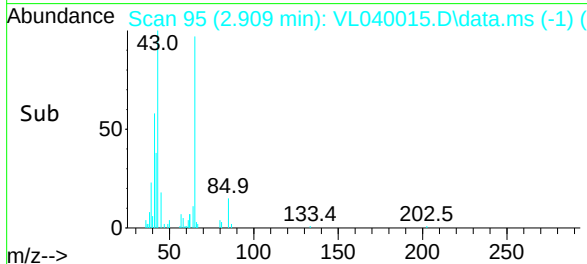
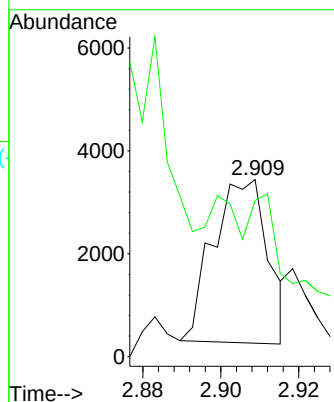
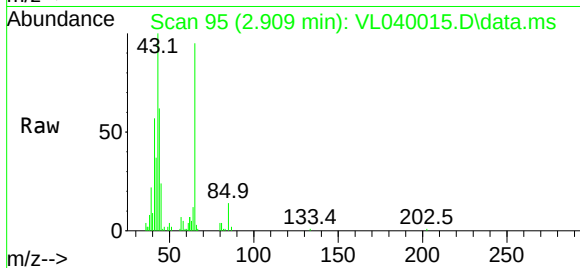




#5
 Vinyl Chloride
 Concen: 0.048 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.023 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

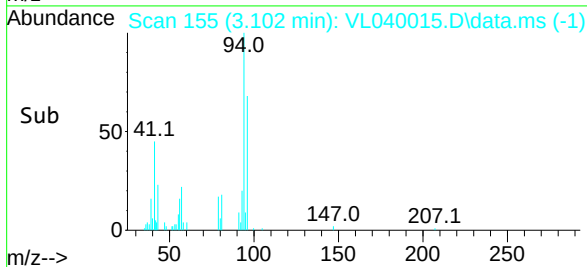
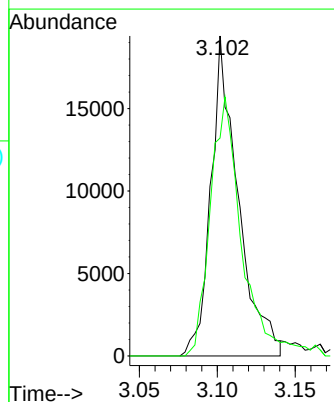
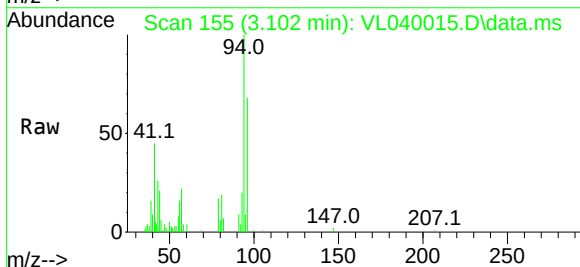
Instrument :
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 ClientSampleId :
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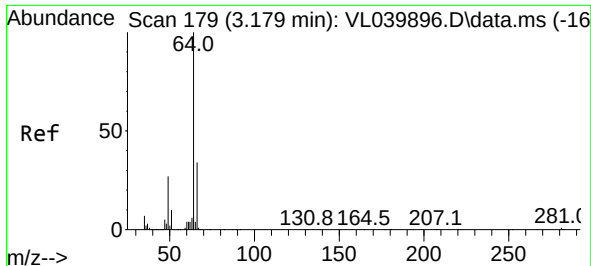
Tgt Ion: 62 Resp: 3099
 Ion Ratio Lower Upper
 62 100
 64 45.2 25.7 38.5#



#6
 Bromomethane
 Concen: 1.078 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.016 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

Tgt Ion: 94 Resp: 23635
 Ion Ratio Lower Upper
 94 100
 96 68.1 73.7 110.5#

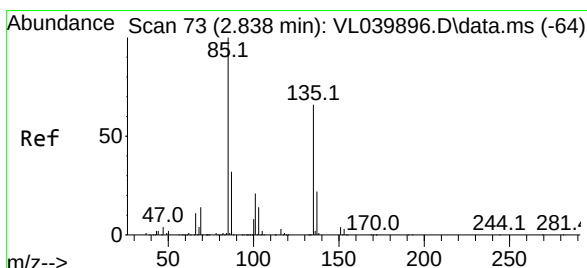
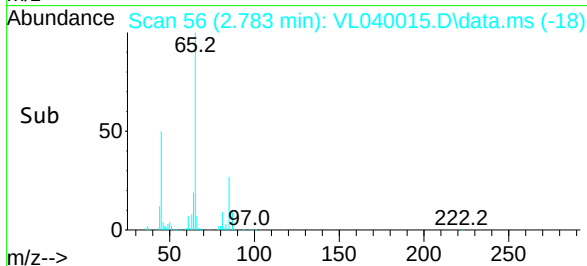
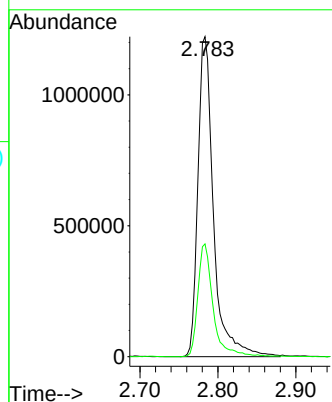
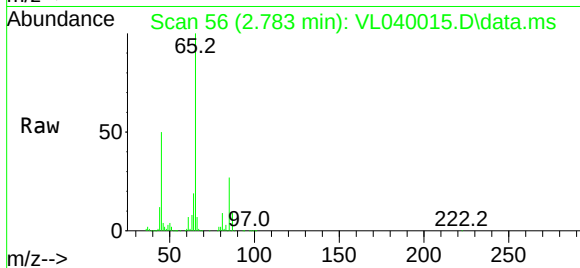




#7
Chloroethane
Concen: 66.801 ppbv
RT: 2.783 min Scan# 56
Delta R.T. -0.379 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

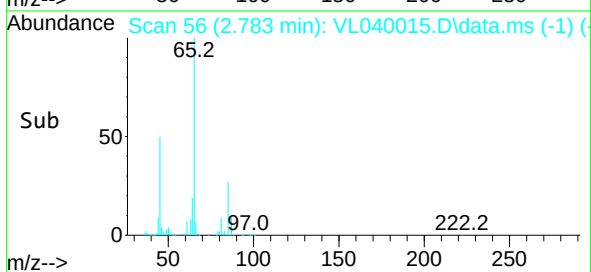
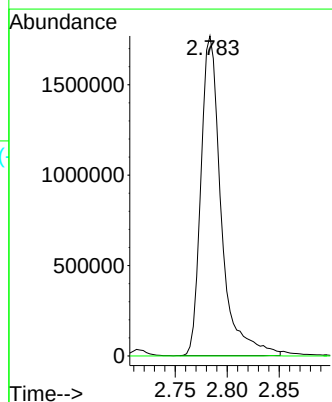
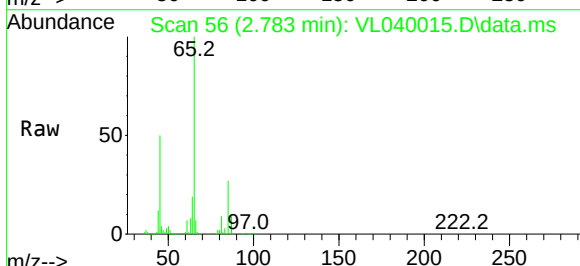
Instrument :
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ClientSampleId :
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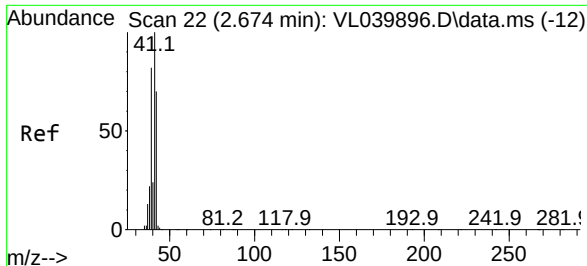
Tgt Ion: 64 Resp: 1697977
Ion Ratio Lower Upper
64 100
66 35.3 27.3 40.9



#8
Dichlorotetrafluoroethane
Concen: 15.768 ppbv
RT: 2.783 min Scan# 56
Delta R.T. -0.042 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 85 Resp: 2406512
Ion Ratio Lower Upper
85 100
135 0.1 54.1 81.1#

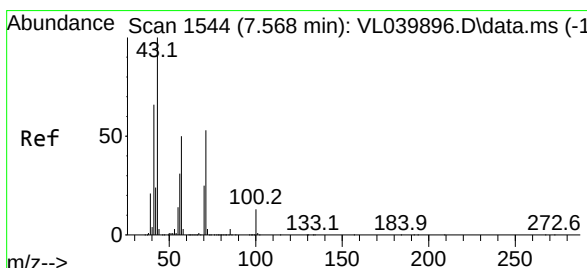
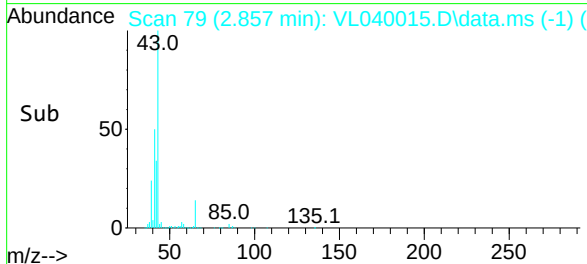
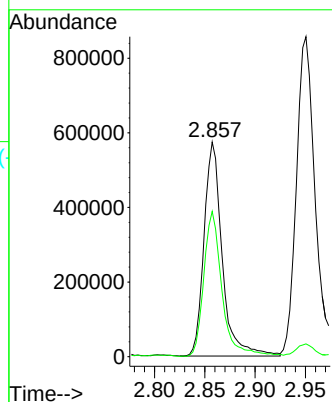
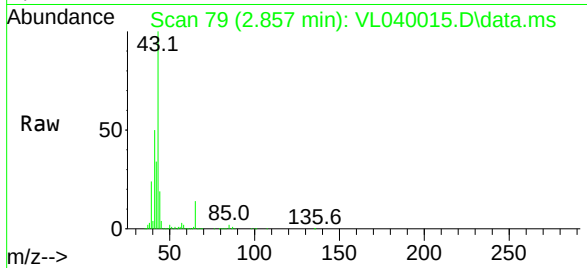




#9
 Propene
 Concen: 11.902 ppbv
 RT: 2.857 min Scan# 79
 Delta R.T. 0.196 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

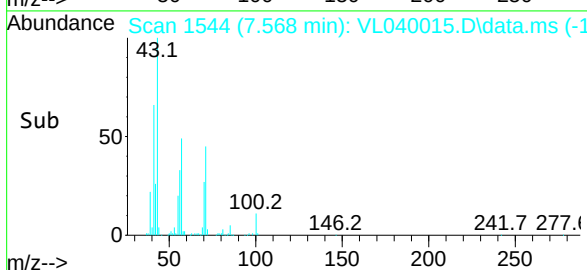
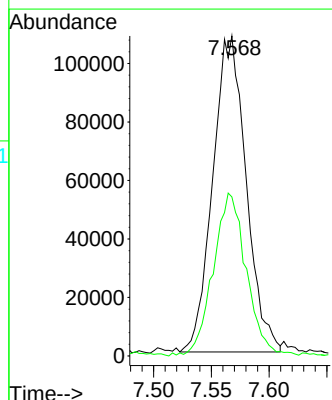
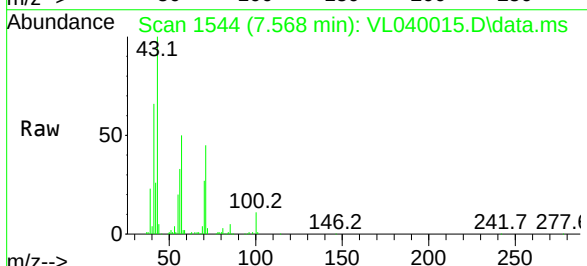
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

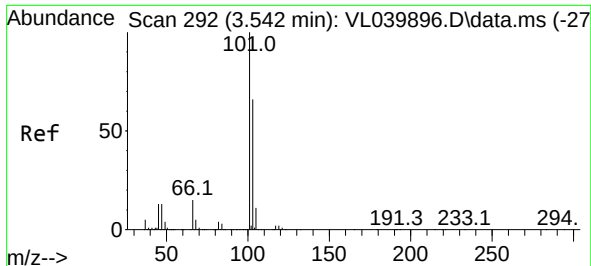
Tgt Ion: 41 Resp: 722014
 Ion Ratio Lower Upper
 41 100
 42 66.6 55.8 83.6



#10
 Heptane
 Concen: 1.483 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.023 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

Tgt Ion: 43 Resp: 217013
 Ion Ratio Lower Upper
 43 100
 57 52.2 40.7 61.1

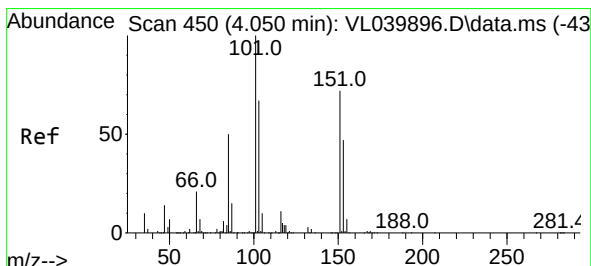
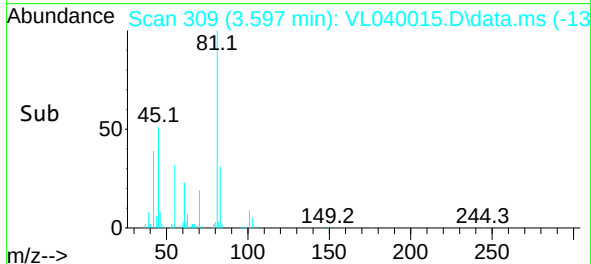
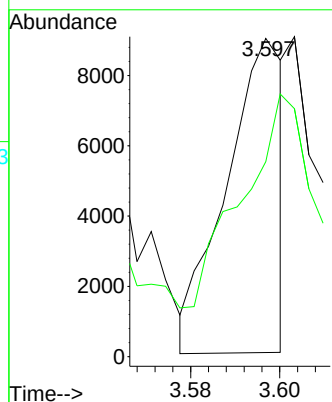
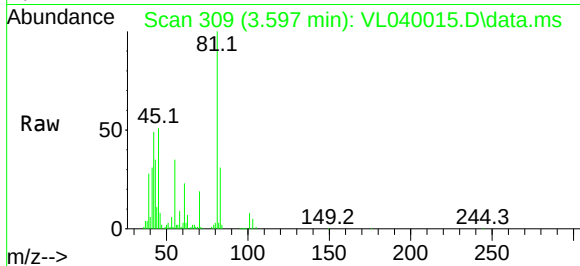




#11
 Trichlorofluoromethane
 Concen: 0.048 ppbv
 RT: 3.597 min Scan# 309
 Delta R.T. 0.068 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

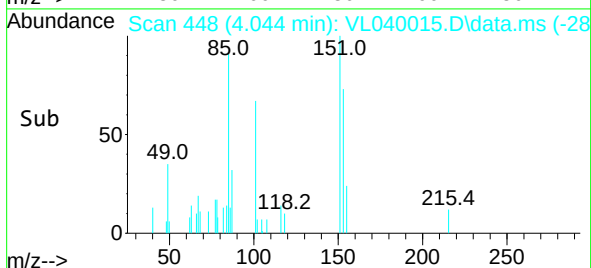
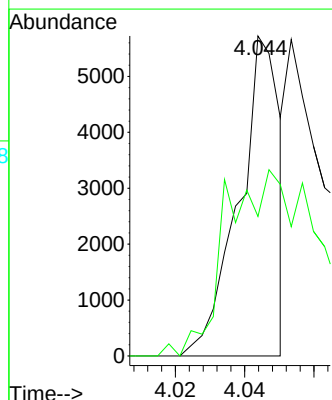
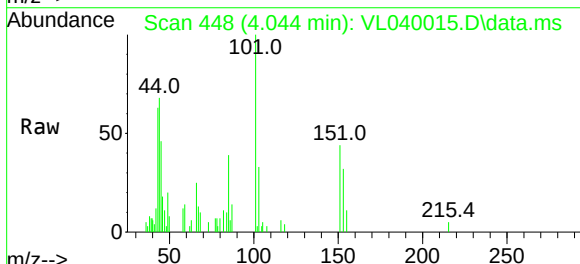
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

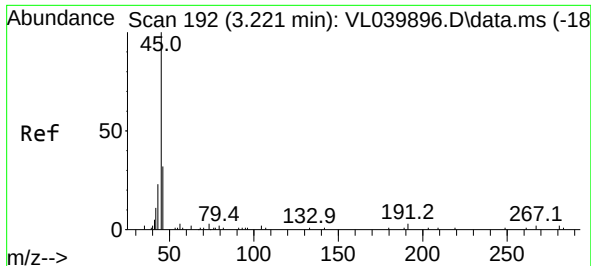
Tgt Ion:101 Resp: 7899
 Ion Ratio Lower Upper
 101 100
 103 52.9 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.038 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. 0.013 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

Tgt Ion:101 Resp: 4678
 Ion Ratio Lower Upper
 101 100
 151 143.6 59.6 89.4#





#13

Ethanol

Concen: 685.244 ppbv

RT: 3.221 min Scan# 192

Delta R.T. 0.006 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

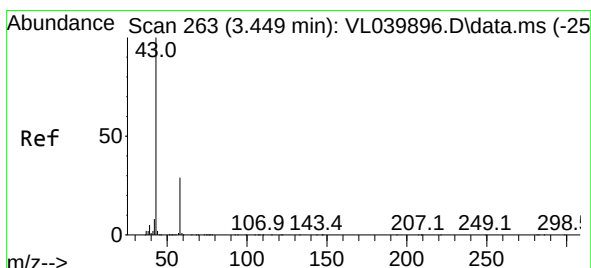
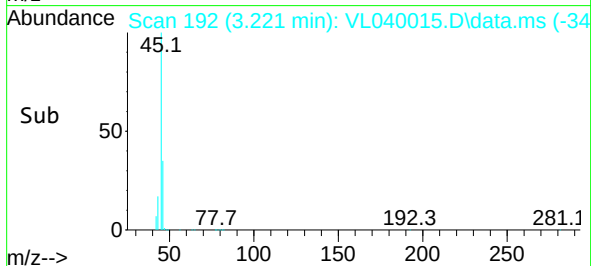
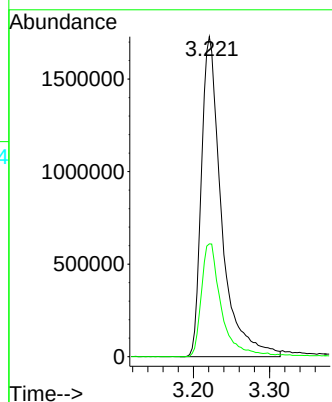
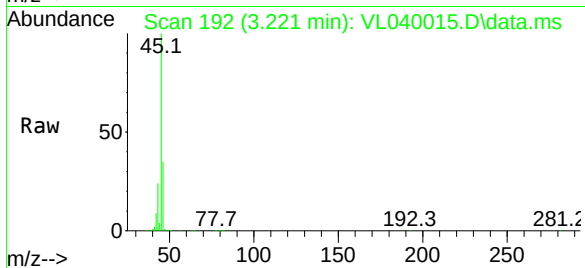
SS-4

Tgt Ion: 45 Resp: 3173682

Ion Ratio Lower Upper

45 100

46 36.4 14.6 58.2



#15

Acetone

Concen: 95.311 ppbv

RT: 3.446 min Scan# 262

Delta R.T. 0.013 min

Lab File: VL040015.D

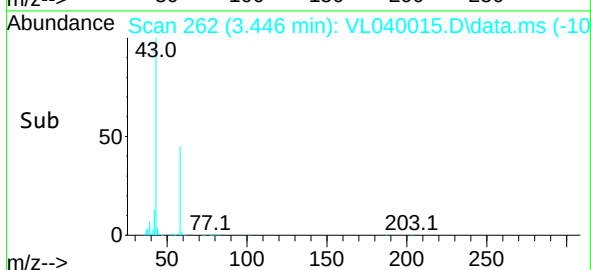
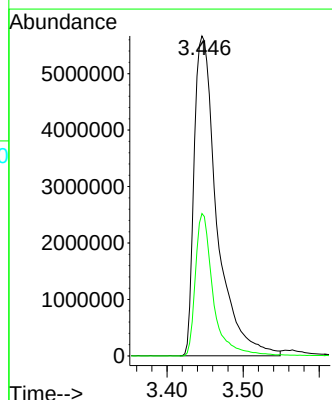
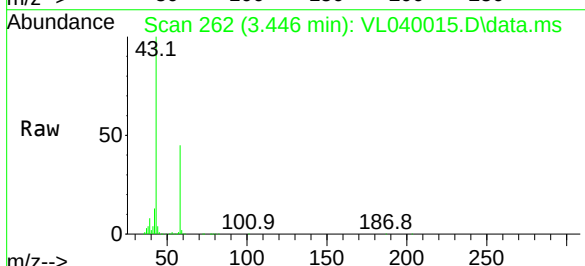
Acq: 13 Dec 2022 21:33

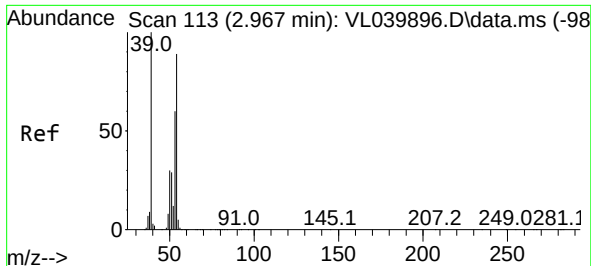
Tgt Ion: 43 Resp: 11798187

Ion Ratio Lower Upper

43 100

58 35.3 22.9 34.3#

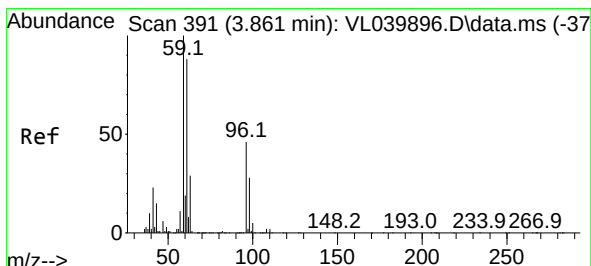
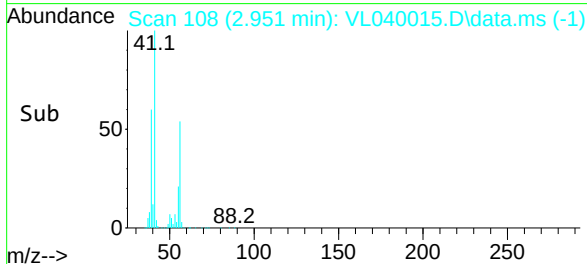
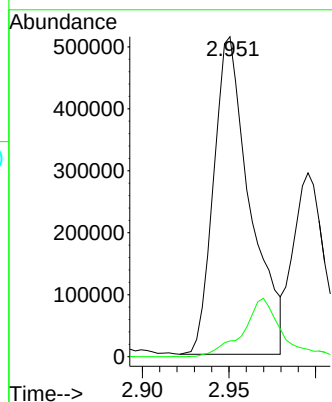
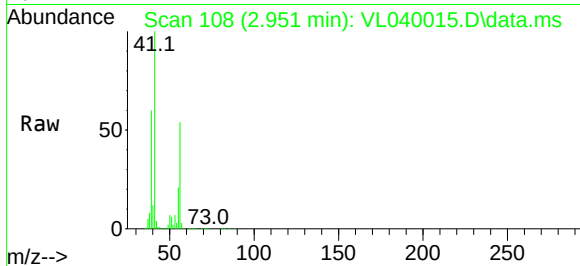




#16
1,3-Butadiene
Concen: 12.161 ppbv
RT: 2.951 min Scan# 108
Delta R.T. 0.000 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

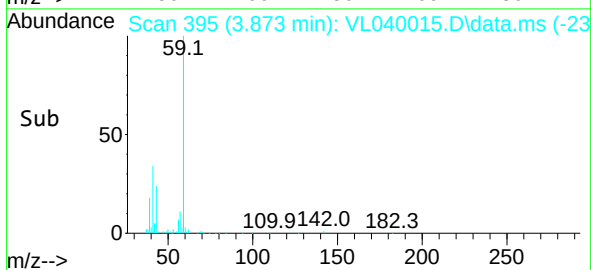
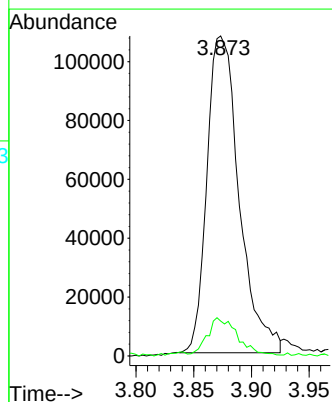
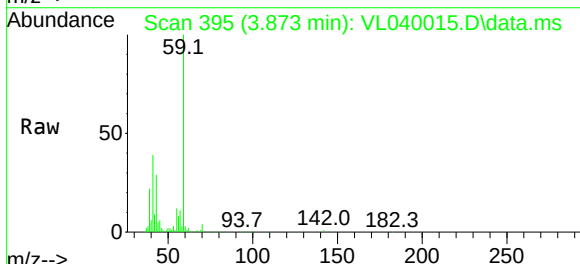
Instrument :
MSVOA_L
ClientSampleId :
SS-4

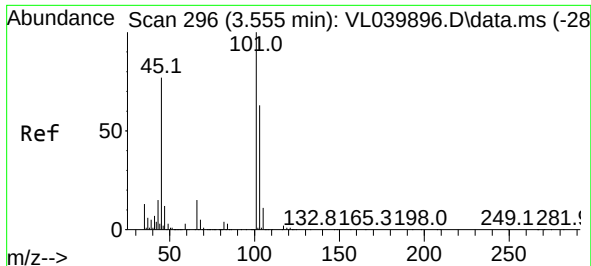
Tgt Ion: 39 Resp: 750221
Ion Ratio Lower Upper
39 100
54 19.8 66.6 99.8#



#17
tert-Butyl alcohol
Concen: 1.469 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.029 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 59 Resp: 209104
Ion Ratio Lower Upper
59 100
57 11.8 8.3 12.5

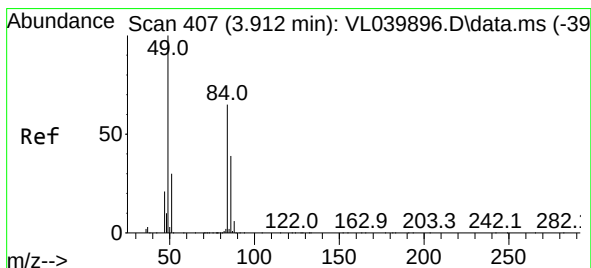
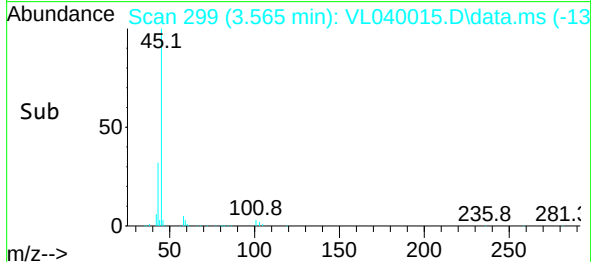
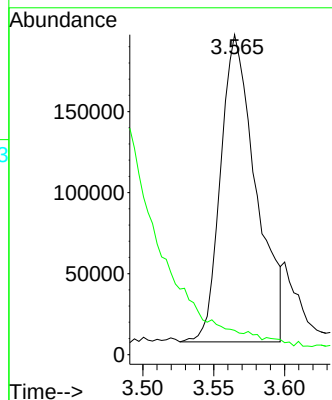
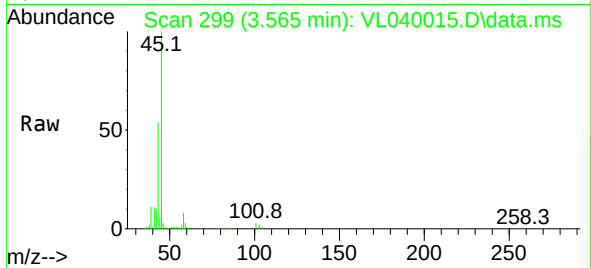




#19
Isopropyl Alcohol
Concen: 4.932 ppbv
RT: 3.565 min Scan# 296
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

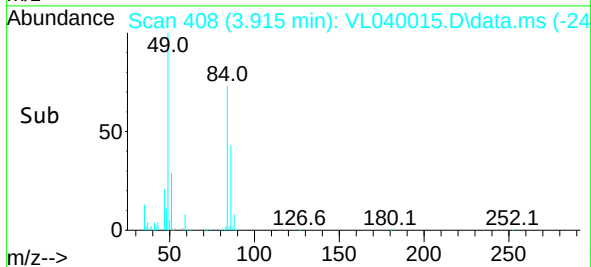
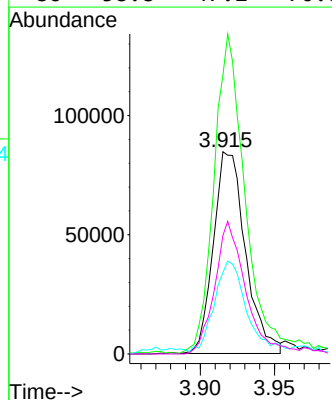
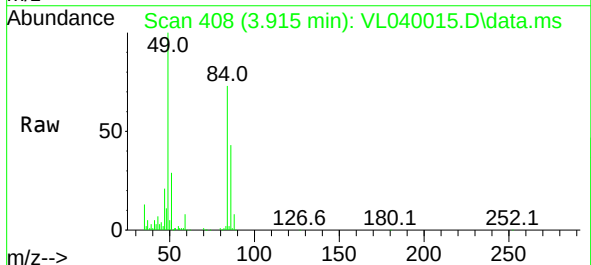
Instrument :
MSVOA_L
ClientSampleId :
SS-4

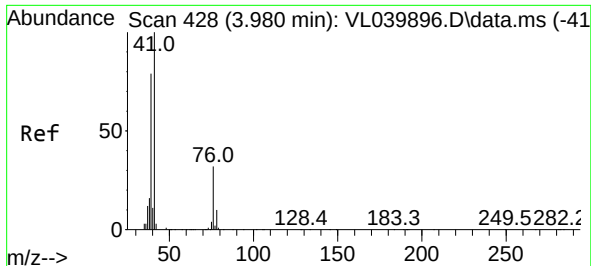
Tgt Ion: 45 Resp: 330537
Ion Ratio Lower Upper
45 100
58 1259.5 38.7 58.1#



#20
Methylene Chloride
Concen: 2.121 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 84 Resp: 127205
Ion Ratio Lower Upper
84 100
49 137.6 122.2 183.4
51 37.9 36.3 54.5
86 58.8 47.2 70.8





#21

Allyl Chloride

Concen: 0.117 ppbv

RT: 3.938 min Scan# 41

Delta R.T. -0.022 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

SS-4

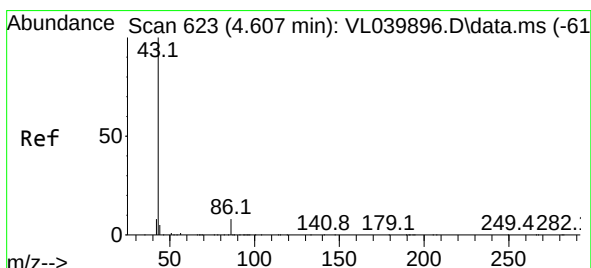
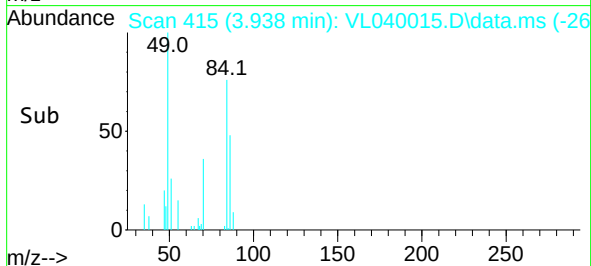
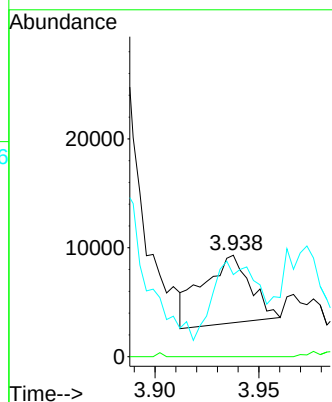
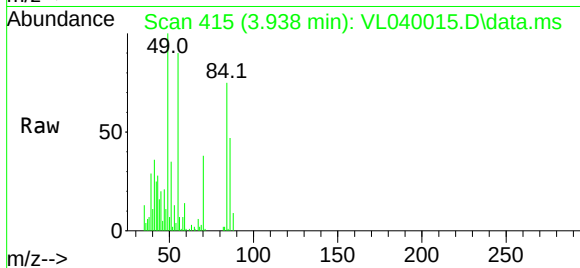
Tgt Ion: 41 Resp: 10027

Ion Ratio Lower Upper

41 100

76 0.0 25.6 38.4#

39 113.7 65.2 97.8#



#23

Vinyl Acetate

Concen: 2.999 ppbv

RT: 4.594 min Scan# 619

Delta R.T. 0.000 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Tgt Ion: 43 Resp: 152501

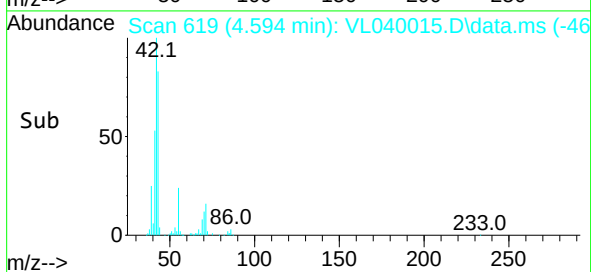
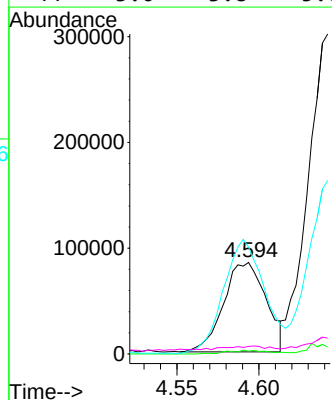
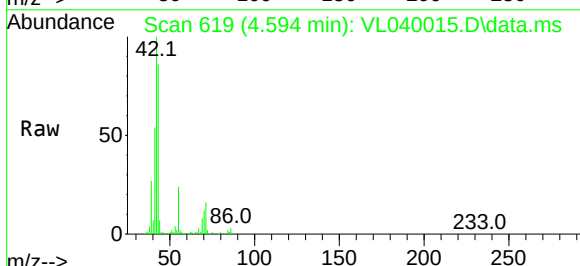
Ion Ratio Lower Upper

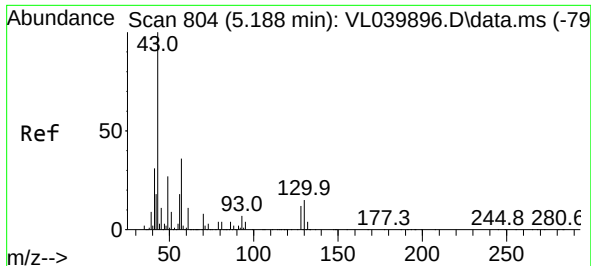
43 100

86 3.2 5.0 7.4#

42 118.9 7.6 11.4#

44 3.0 3.8 5.6#

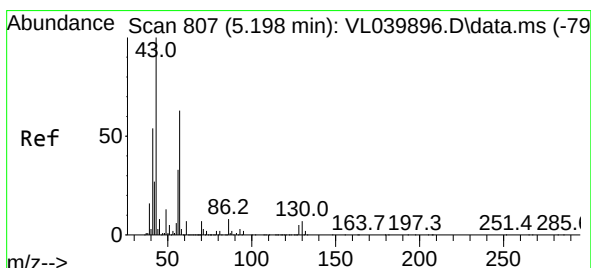
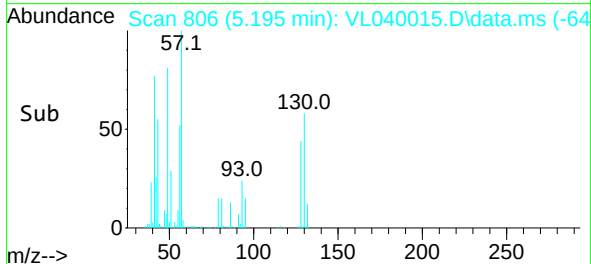
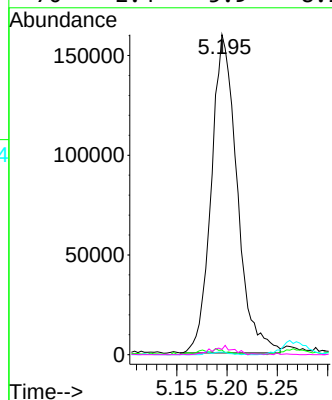
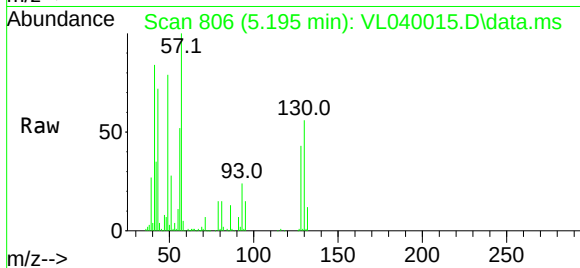




#25
Ethyl Acetate
Concen: 1.251 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

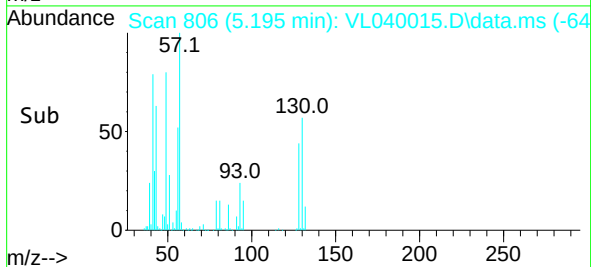
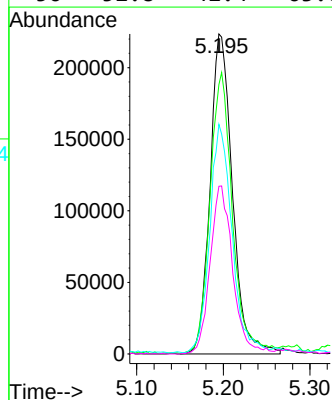
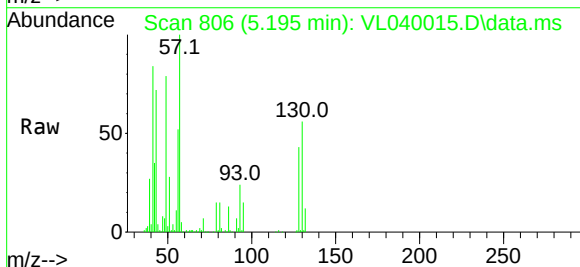
Instrument :
MSVOA_L
ClientSampleId :
SS-4

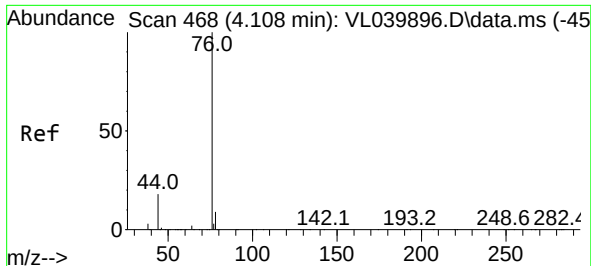
Tgt Ion:	43	Resp:	284351
Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.4	12.6#
61	0.7	8.5	12.7#
70	2.4	5.9	8.9#



#26
Hexane
Concen: 4.042 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion:	57	Resp:	401278
Ion	Ratio	Lower	Upper
57	100		
41	91.0	72.3	108.5
43	72.7	188.7	283.1#
56	52.8	42.4	63.6

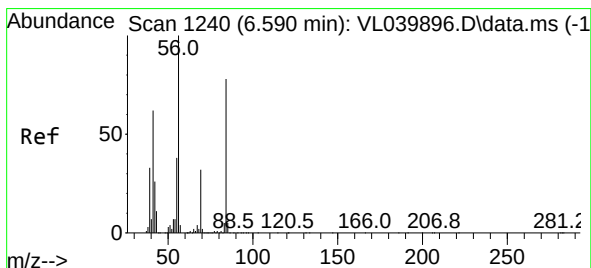
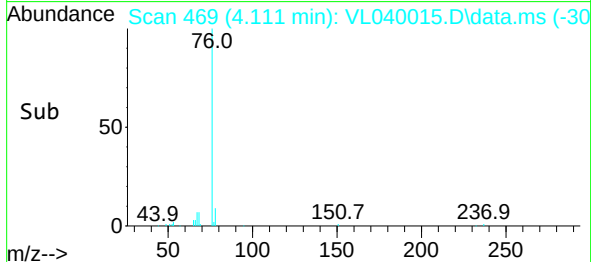
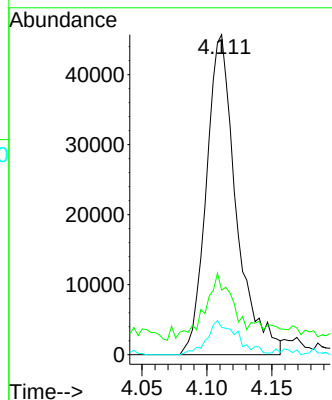
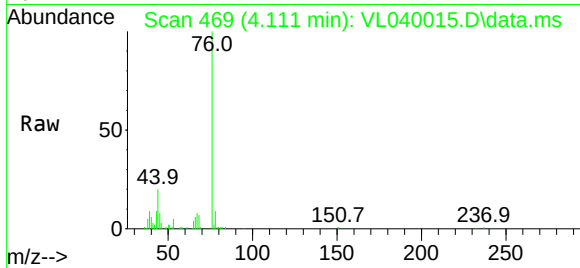




#27
Carbon Disulfide
Concen: 0.581 ppbv
RT: 4.111 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

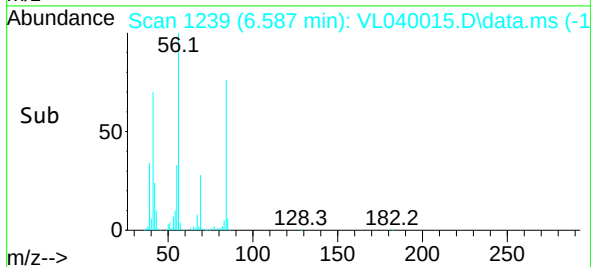
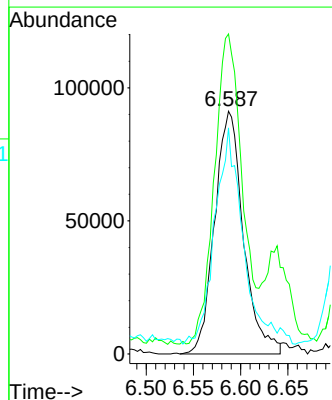
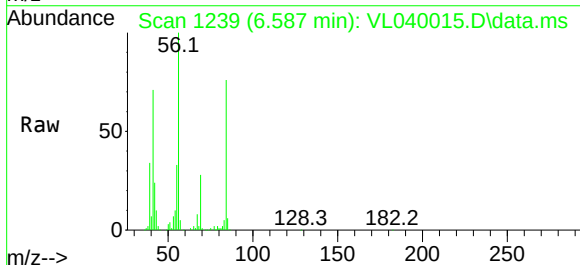
Instrument :
MSVOA_L
ClientSampleId :
SS-4

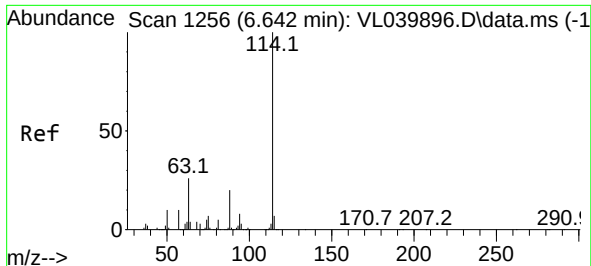
Tgt Ion: 76 Resp: 72809
Ion Ratio Lower Upper
76 100
44 20.3 14.7 22.1
78 10.8 7.8 11.8



#30
Cyclohexane
Concen: 1.983 ppbv
RT: 6.587 min Scan# 1239
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 84 Resp: 193191
Ion Ratio Lower Upper
84 100
56 132.7 112.5 168.7
41 95.6 67.8 101.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. 0.019 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

SS-4

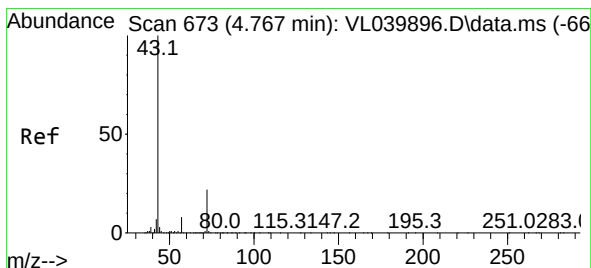
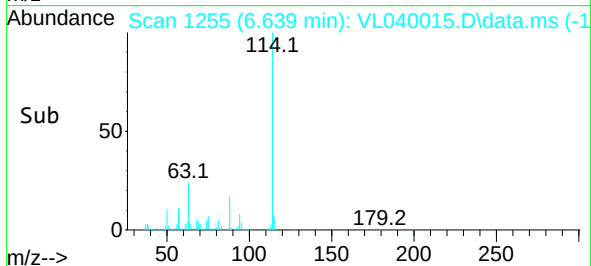
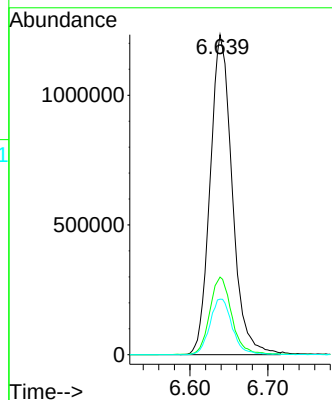
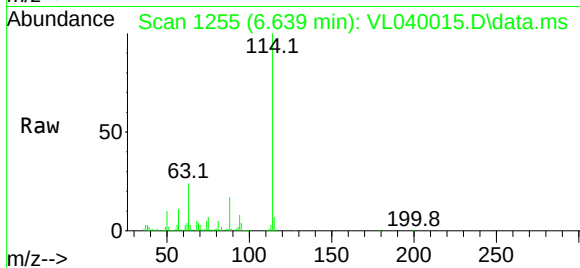
Tgt Ion:114 Resp: 2427119

Ion Ratio Lower Upper

114 100

63 24.4 21.4 32.0

88 17.7 15.3 22.9



#34

2-Butanone

Concen: 1.622 ppbv

RT: 4.770 min Scan# 674

Delta R.T. 0.019 min

Lab File: VL040015.D

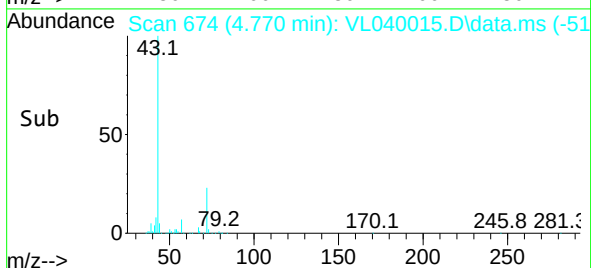
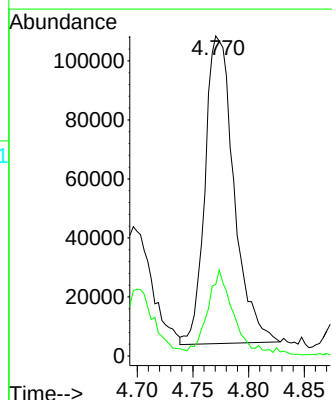
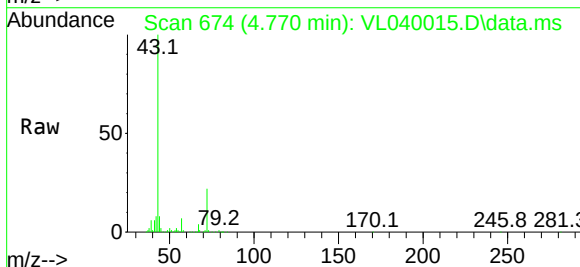
Acq: 13 Dec 2022 21:33

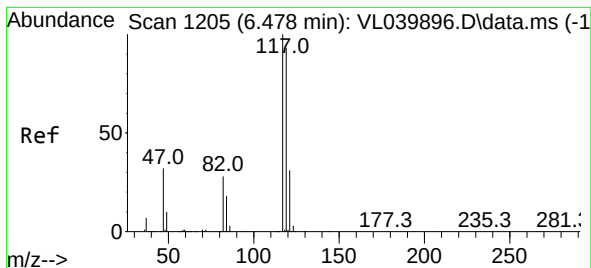
Tgt Ion: 43 Resp: 188390

Ion Ratio Lower Upper

43 100

72 26.7 17.4 26.2#





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 6.481 min Scan# 1166

Delta R.T. 0.026 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

SS-4

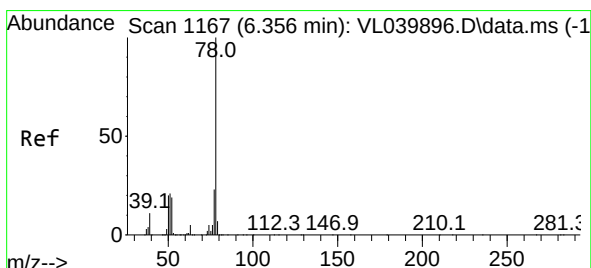
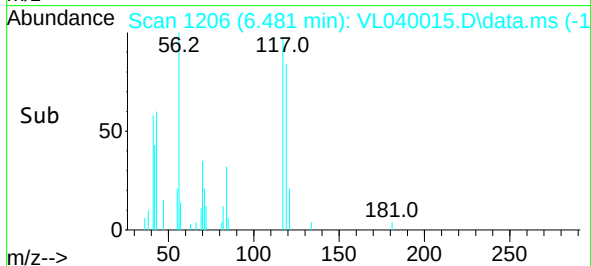
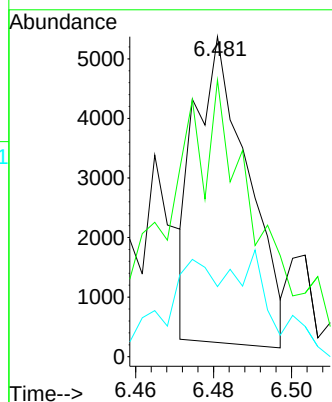
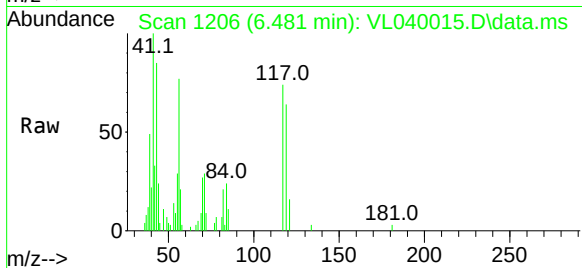
Tgt Ion:117 Resp: 4812

Ion Ratio Lower Upper

117 100

119 66.8 74.7 112.1#

121 18.5 24.5 36.7#



#36

Benzene

Concen: 2.907 ppbv

RT: 6.352 min Scan# 1166

Delta R.T. 0.019 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

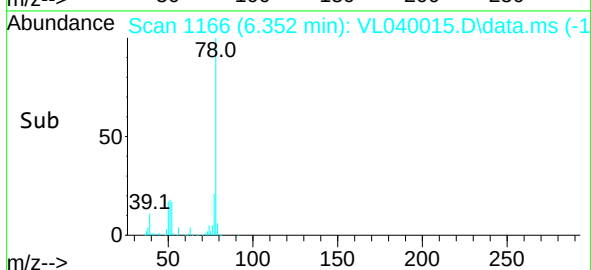
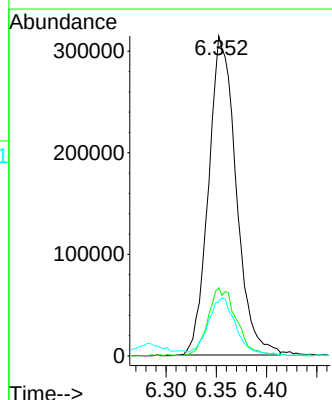
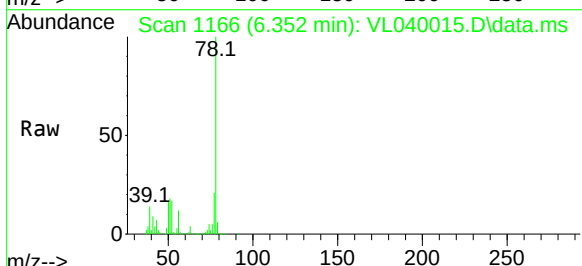
Tgt Ion: 78 Resp: 599694

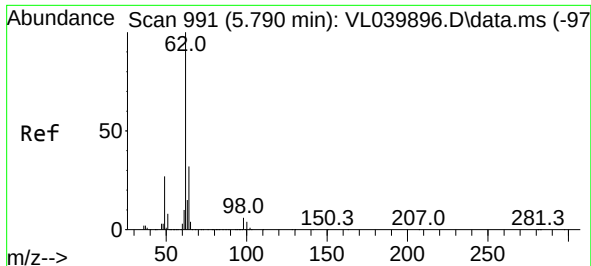
Ion Ratio Lower Upper

78 100

77 21.3 18.2 27.2

50 16.2 15.8 23.8





#37

1,2-Dichloroethane

Concen: 0.023 ppbv

RT: 5.793 min Scan# 91

Delta R.T. 0.026 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

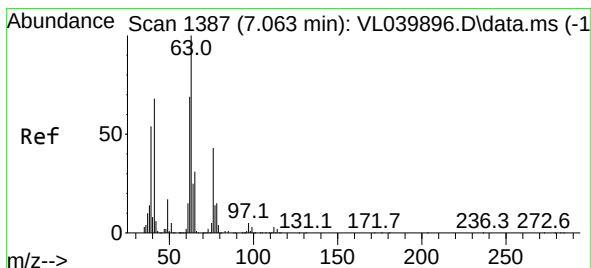
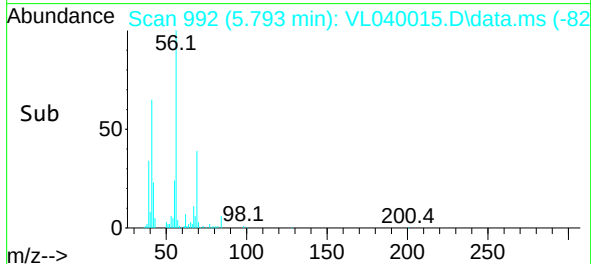
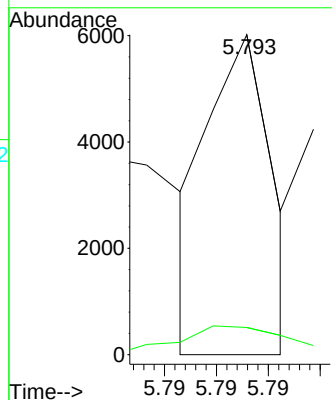
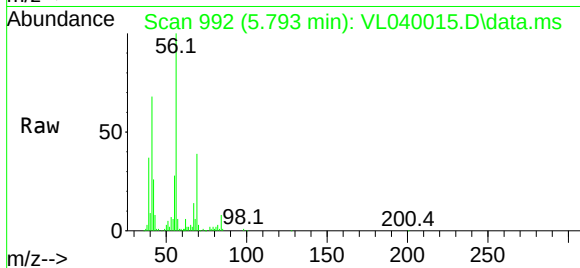
SS-4

Tgt Ion: 62 Resp: 2573

Ion Ratio Lower Upper

62 100

98 25.7 5.0 7.6#



#39

1,2-Dichloropropane

Concen: 7.152 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.395 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

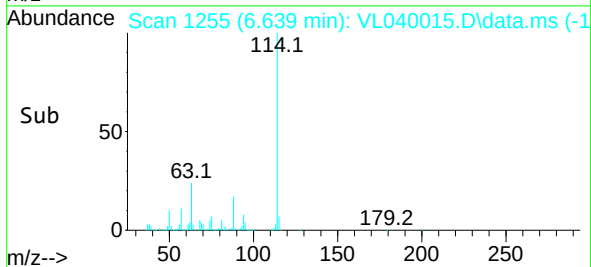
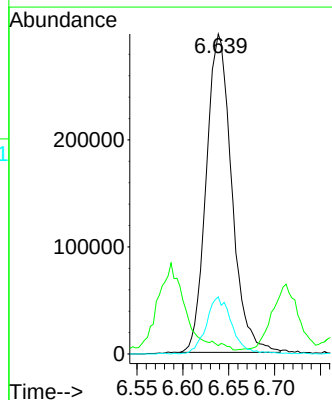
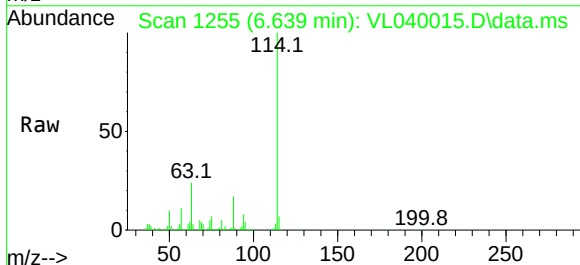
Tgt Ion: 63 Resp: 574830

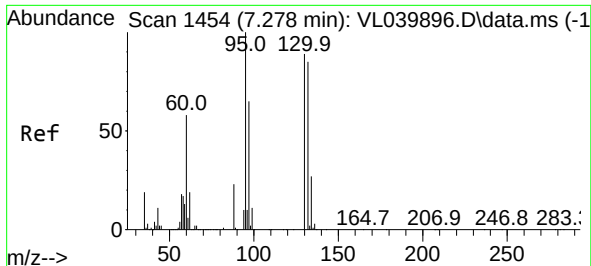
Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 17.9 55.0 82.6#

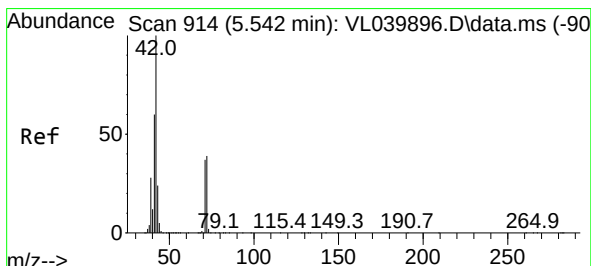
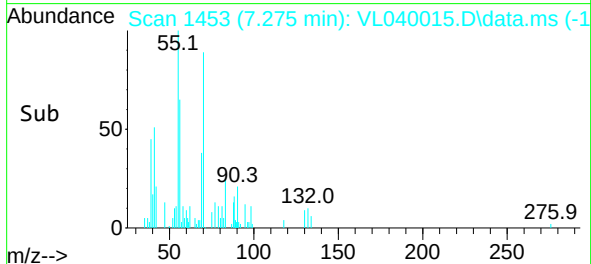
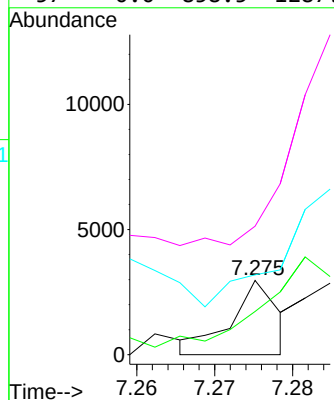
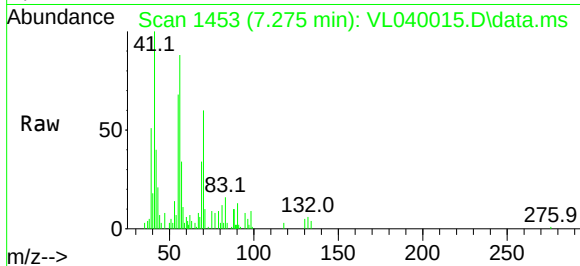




#40
1,4-Dioxane
Concen: 0.039 ppbv
RT: 7.275 min Scan# 1454
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

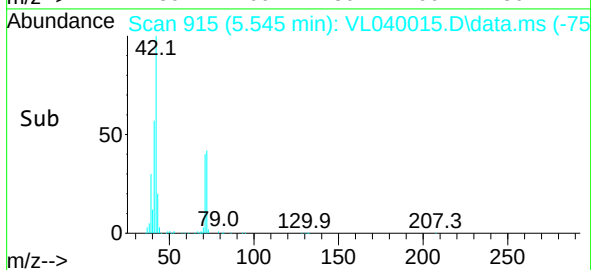
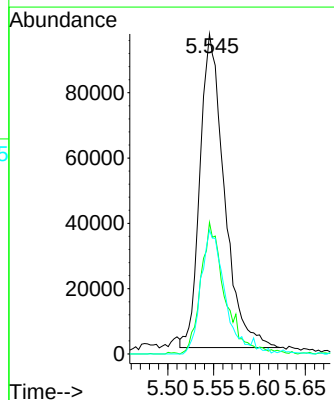
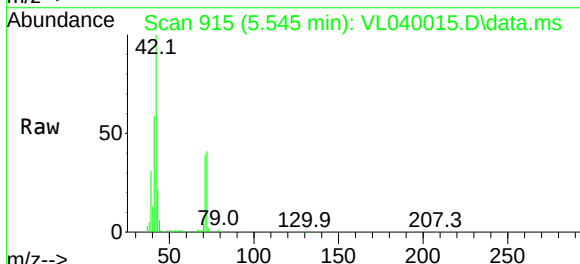
Instrument :
MSVOA_L
ClientSampleId :
SS-4

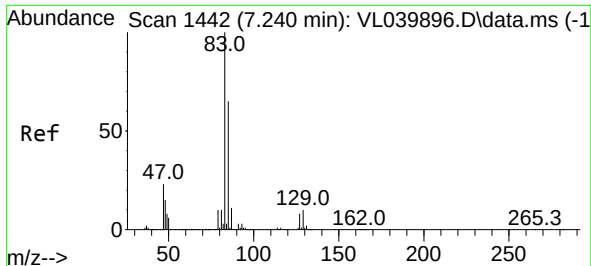
Tgt Ion: 88 Resp: 1251
Ion Ratio Lower Upper
88 100
58 0.0 100.5 150.7#
43 0.0 195.8 293.8#
57 0.0 858.5 1287.7#



#41
Tetrahydrofuran
Concen: 2.214 ppbv
RT: 5.545 min Scan# 915
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 42 Resp: 177516
Ion Ratio Lower Upper
42 100
72 42.1 31.6 47.4
71 40.2 31.2 46.8





#42

Bromodichloromethane

Concen: 0.069 ppbv

RT: 7.233 min Scan# 1440

Delta R.T. 0.023 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

SS-4

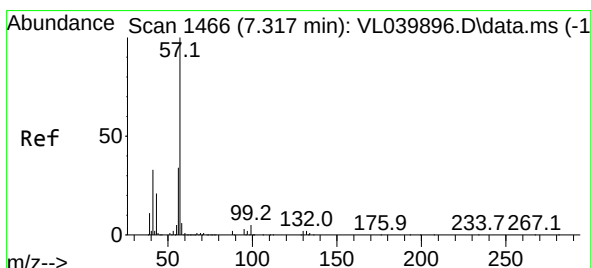
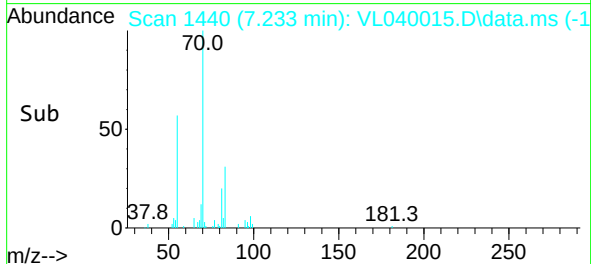
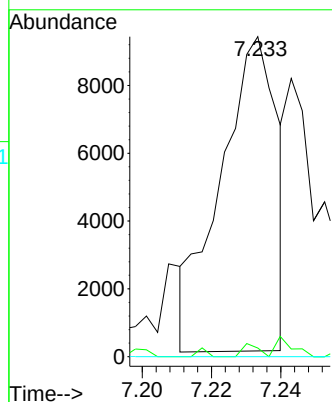
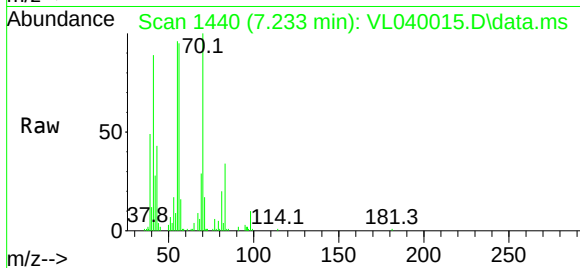
Tgt Ion: 83 Resp: 10540

Ion Ratio Lower Upper

83 100

85 3.7 52.0 78.0#

127 0.0 6.5 9.7#



#44

2,2,4-Trimethylpentane

Concen: 0.321 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.023 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

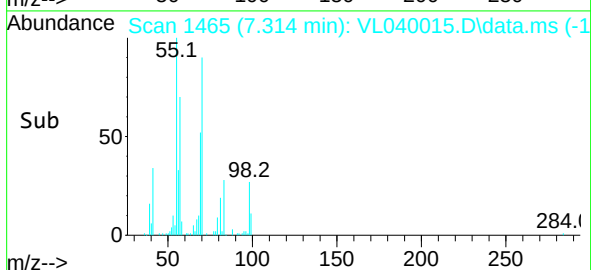
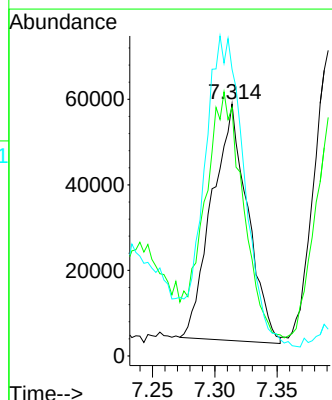
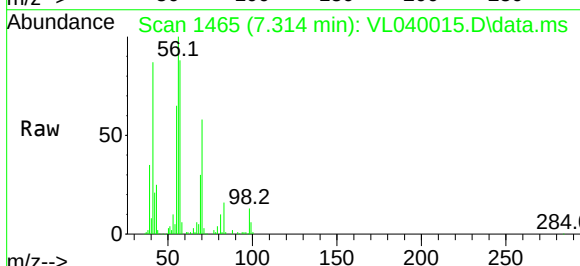
Tgt Ion: 57 Resp: 110660

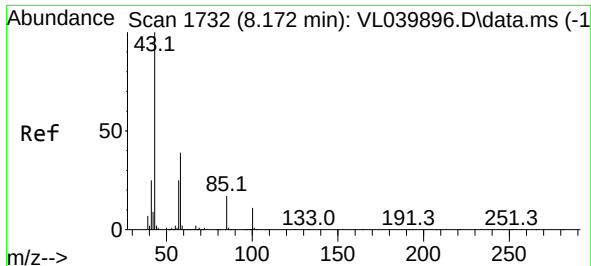
Ion Ratio Lower Upper

57 100

41 132.5 26.2 39.2#

56 154.3 25.5 38.3#





#50

4-Methyl-2-Pentanone

Concen: 0.273 ppbv

RT: 8.182 min Scan# 1

Delta R.T. 0.035 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

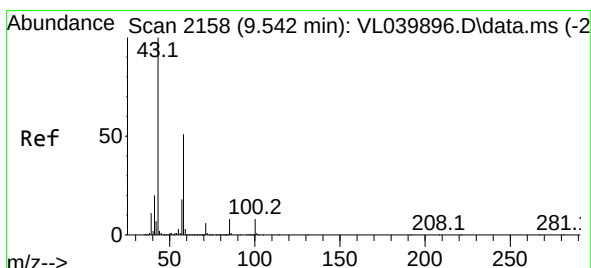
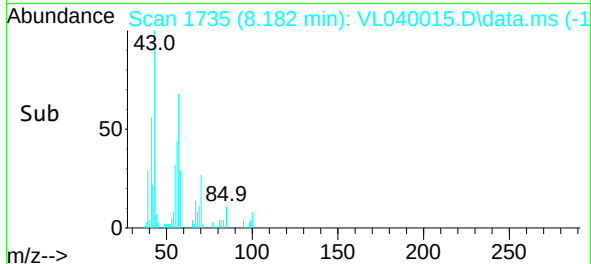
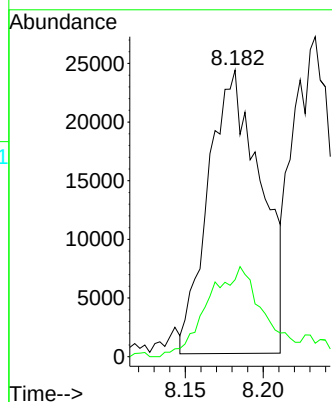
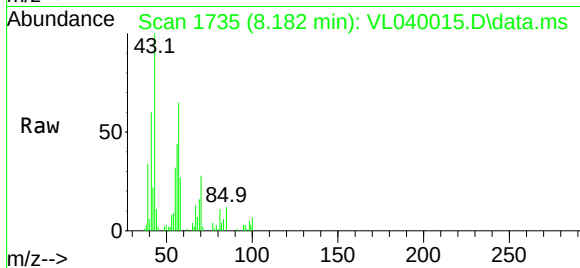
SS-4

Tgt Ion: 43 Resp: 56719

Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.6



#51

2-Hexanone

Concen: 0.508 ppbv

RT: 9.519 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

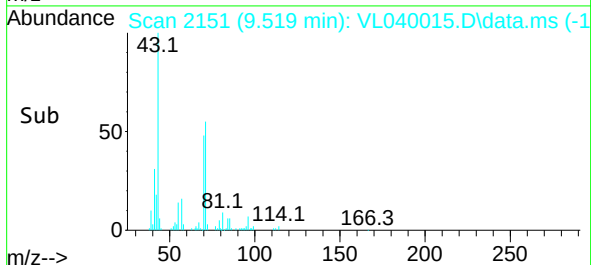
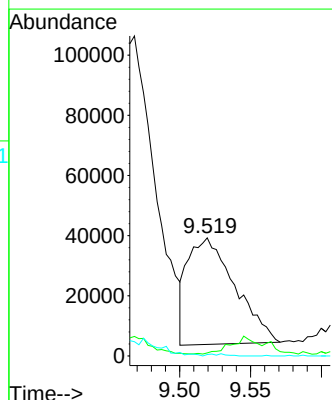
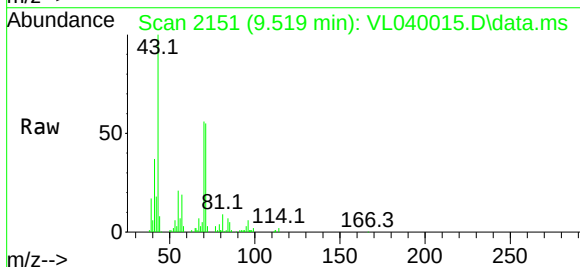
Tgt Ion: 43 Resp: 81986

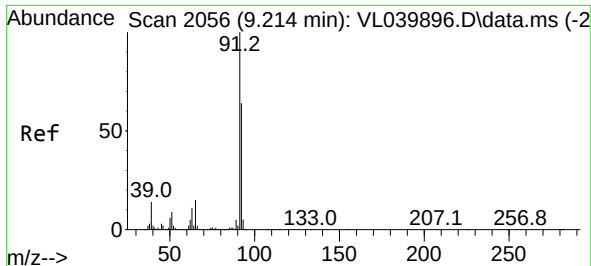
Ion Ratio Lower Upper

43 100

58 13.1 40.2 60.4#

98 0.0 0.1 0.1#

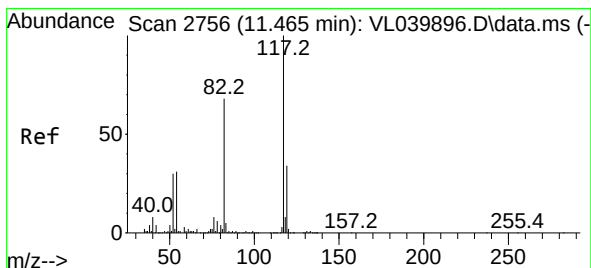
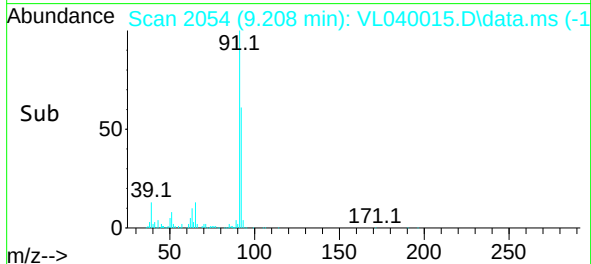
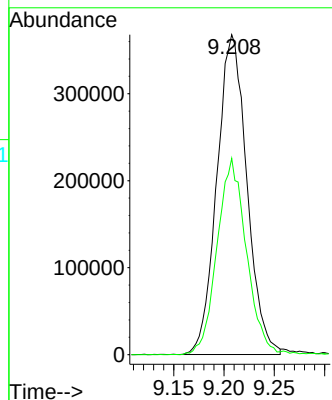
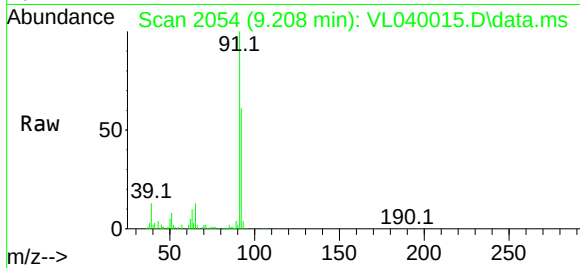




#53
Toluene
Concen: 3.244 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

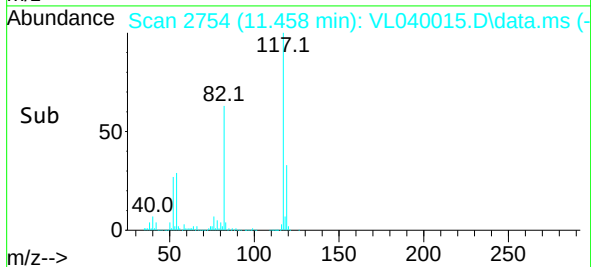
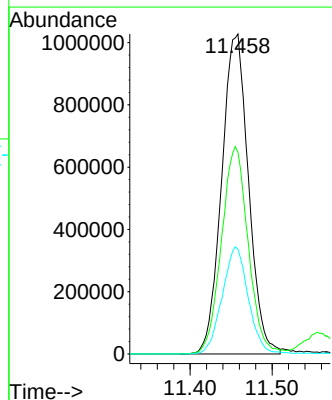
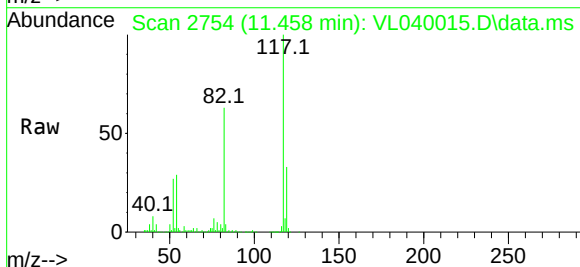
Instrument :
MSVOA_L
ClientSampleId :
SS-4

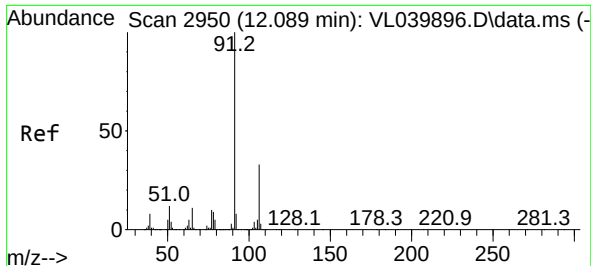
Tgt Ion: 91 Resp: 762366
Ion Ratio Lower Upper
91 100
92 60.4 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 117 Resp: 2338478
Ion Ratio Lower Upper
117 100
82 64.5 52.3 78.5
119 32.9 25.7 38.5

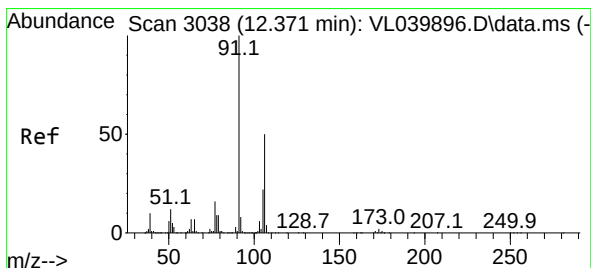
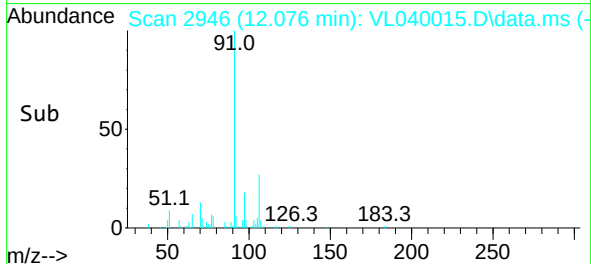
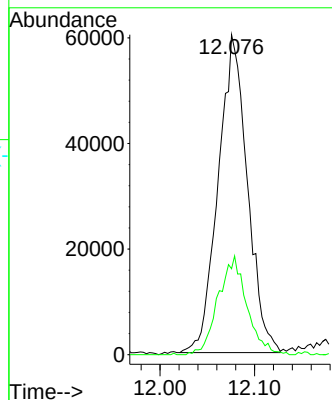
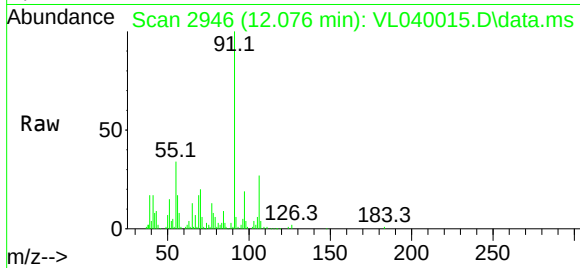




#58
Ethyl Benzene
Concen: 0.407 ppbv
RT: 12.076 min Scan# 2950
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

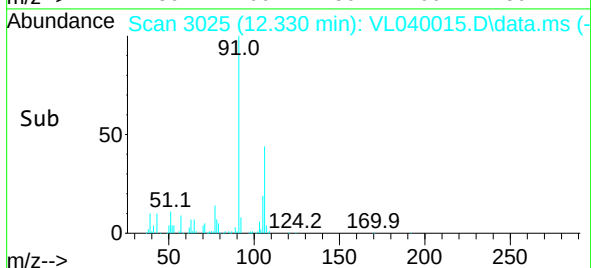
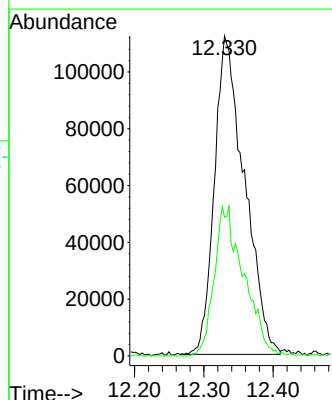
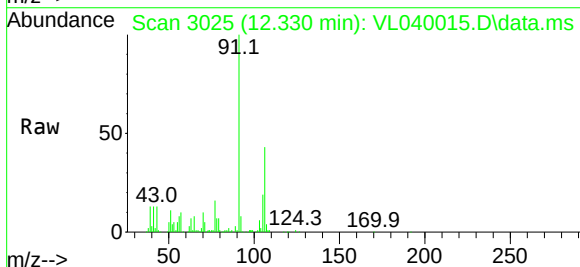
Instrument :
MSVOA_L
ClientSampleId :
SS-4

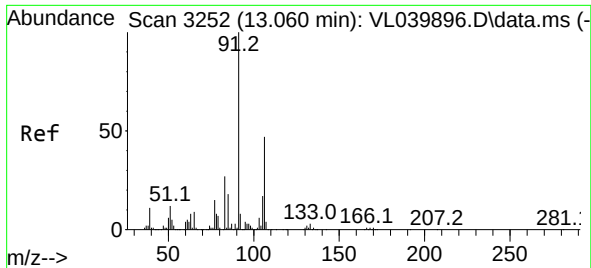
Tgt Ion: 91 Resp: 128974
Ion Ratio Lower Upper
91 100
106 27.0 26.1 39.1



#59
m/p-Xylene
Concen: 1.271 ppbv
RT: 12.330 min Scan# 3025
Delta R.T. -0.010 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 91 Resp: 337460
Ion Ratio Lower Upper
91 100
106 46.6 37.0 55.6

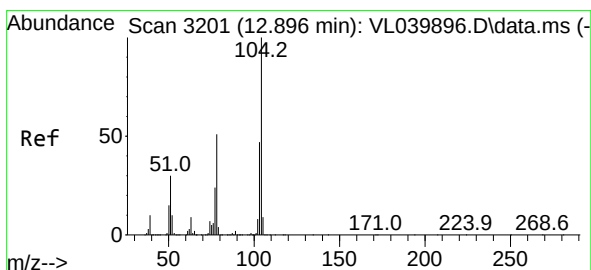
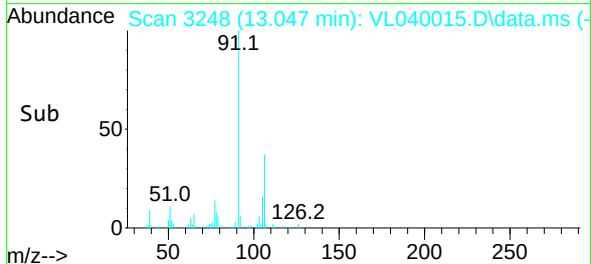
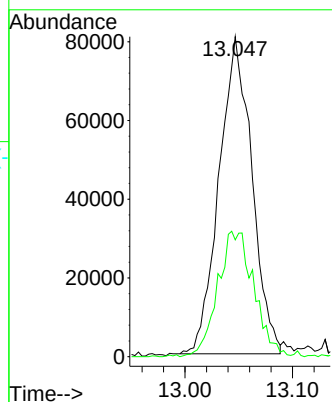
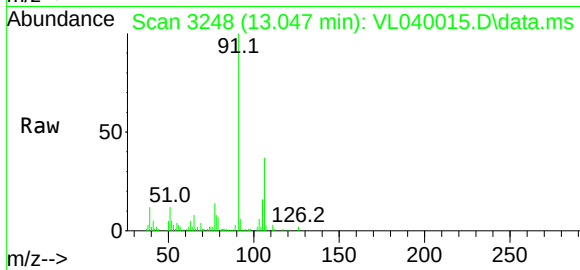




#60
o-Xylene
Concen: 0.675 ppbv
RT: 13.047 min Scan# 3199
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

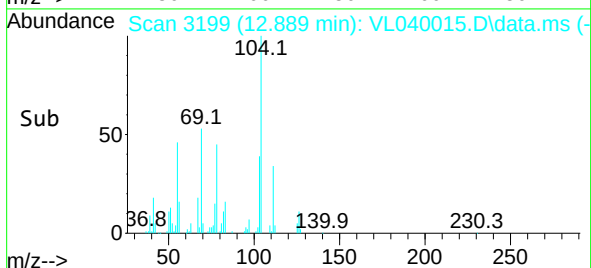
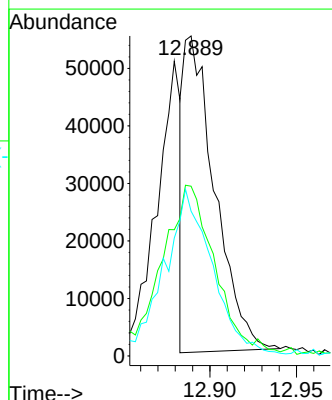
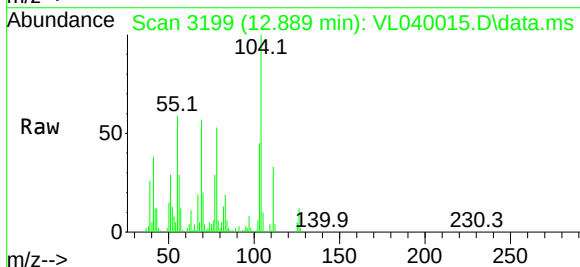
Instrument :
MSVOA_L
ClientSampleId :
SS-4

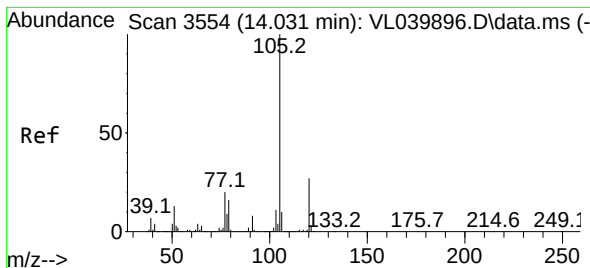
Tgt Ion: 91 Resp: 171002
Ion Ratio Lower Upper
91 100
106 44.1 23.2 69.6



#61
Styrene
Concen: 0.452 ppbv
RT: 12.889 min Scan# 3199
Delta R.T. 0.026 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion: 104 Resp: 68287
Ion Ratio Lower Upper
104 100
78 92.2 41.8 62.8#
103 82.7 37.2 55.8#





#62

Isopropylbenzene

Concen: 0.073 ppbv

RT: 14.021 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

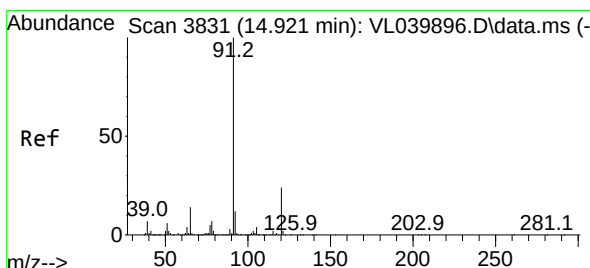
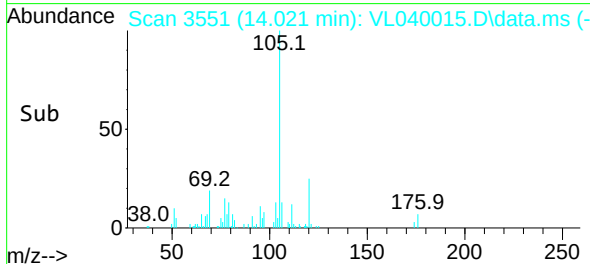
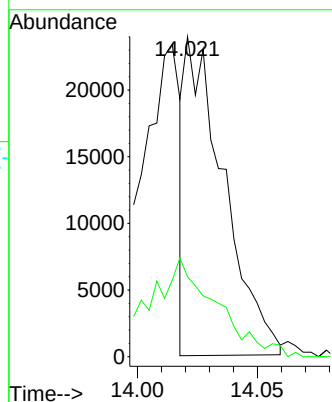
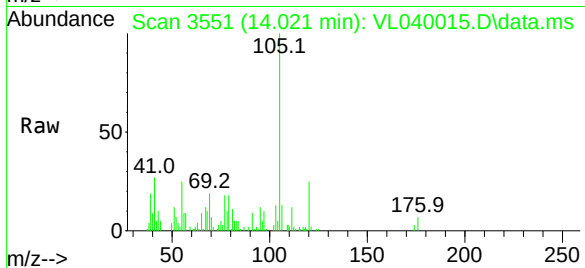
SS-4

Tgt Ion:105 Resp: 26777

Ion Ratio Lower Upper

105 100

120 56.0 21.4 32.2#



#64

n-propylbenzene

Concen: 0.023 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.039 min

Lab File: VL040015.D

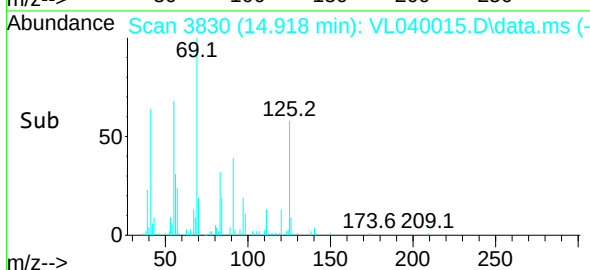
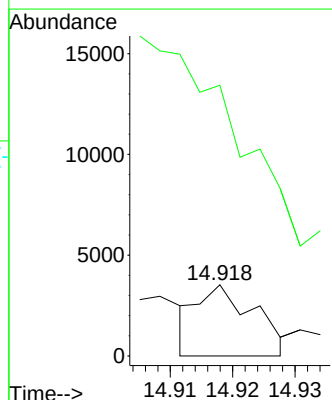
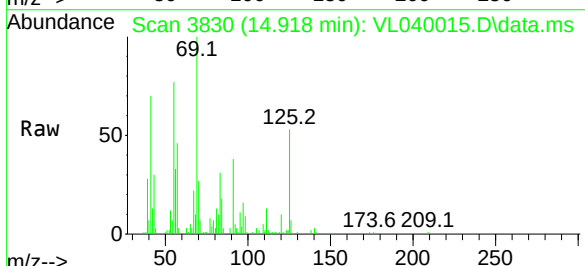
Acq: 13 Dec 2022 21:33

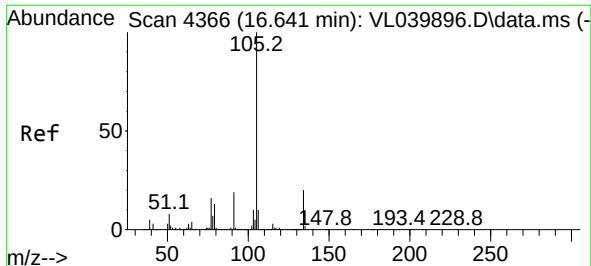
Tgt Ion:120 Resp: 2228

Ion Ratio Lower Upper

120 100

91 0.0 353.7 530.5#

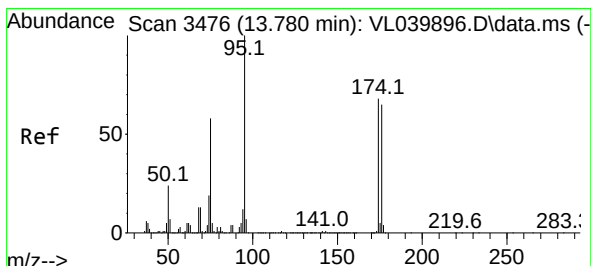
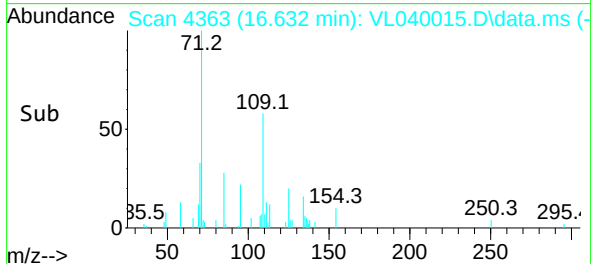
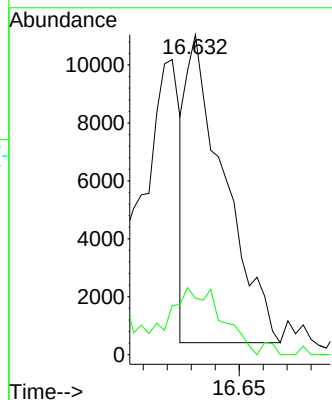
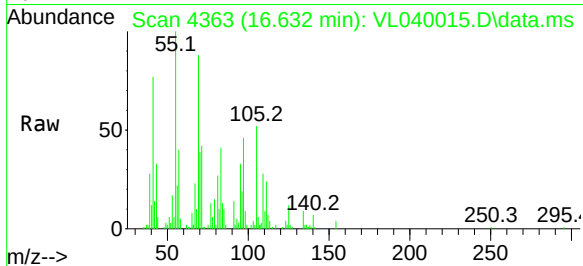




#67
 sec-Butylbenzene
 Concen: 0.027 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. 0.029 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

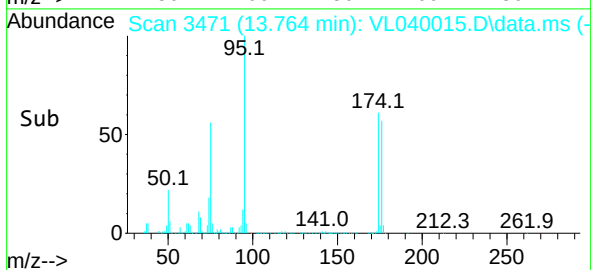
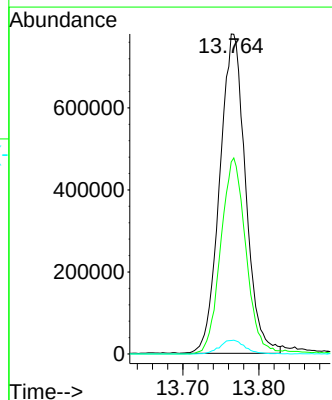
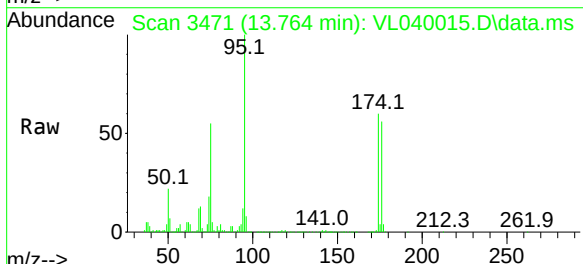
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4

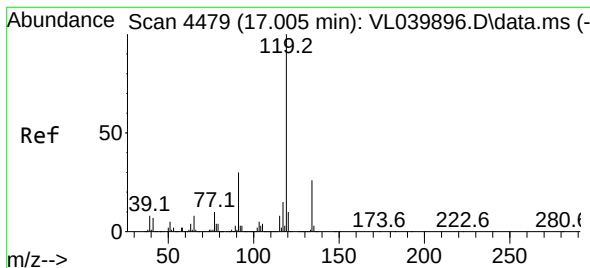
Tgt Ion:105 Resp: 11823
 Ion Ratio Lower Upper
 105 100
 134 40.7 15.0 22.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.280 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.023 min
 Lab File: VL040015.D
 Acq: 13 Dec 2022 21:33

Tgt Ion: 95 Resp: 1836144
 Ion Ratio Lower Upper
 95 100
 174 60.5 53.7 80.5
 175 4.3 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.037 ppbv

RT: 16.995 min Scan# 4479

Delta R.T. 0.029 min

Lab File: VL040015.D

Acq: 13 Dec 2022 21:33

Instrument :

MSVOA_L

ClientSampleId :

SS-4

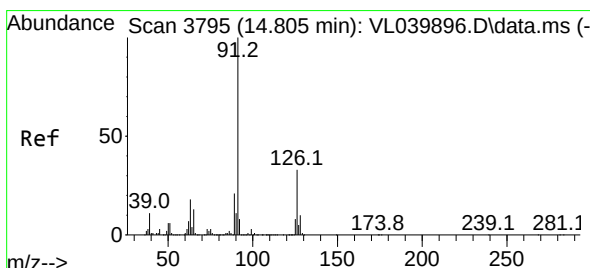
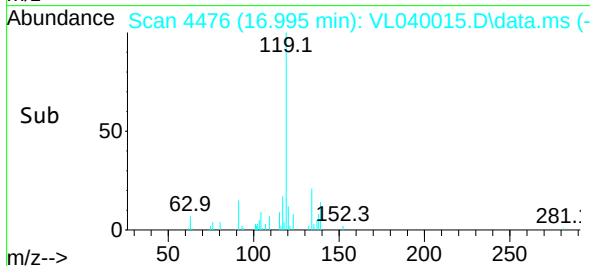
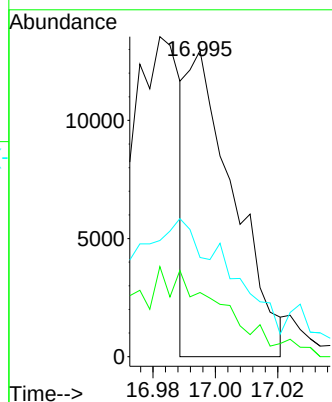
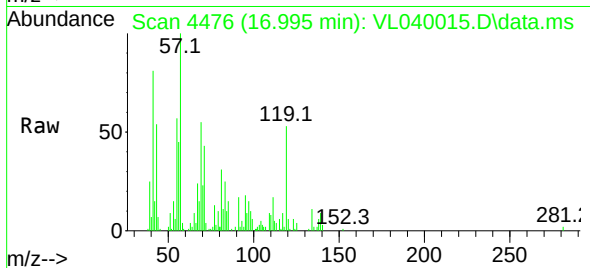
Tgt Ion:119 Resp: 13466

Ion Ratio Lower Upper

119 100

134 0.0 21.0 31.4#

91 111.3 24.4 36.6#



#71

2-Chlorotoluene

Concen: 0.094 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. 0.135 min

Lab File: VL040015.D

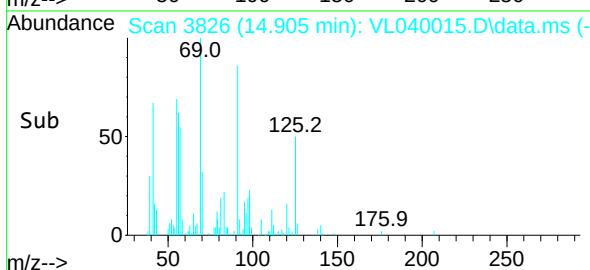
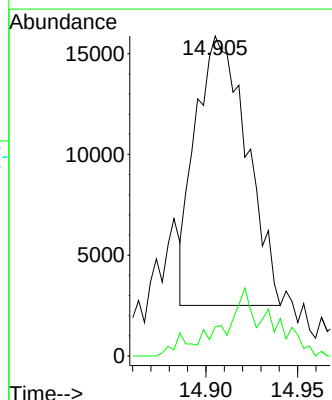
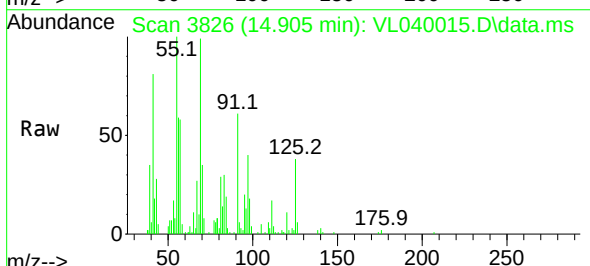
Acq: 13 Dec 2022 21:33

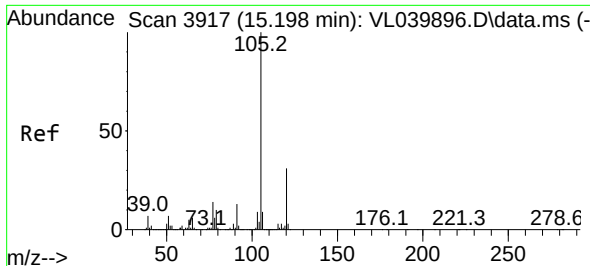
Tgt Ion: 91 Resp: 25907

Ion Ratio Lower Upper

91 100

126 24.5 12.8 51.0

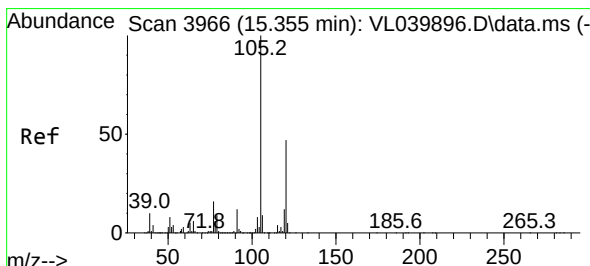
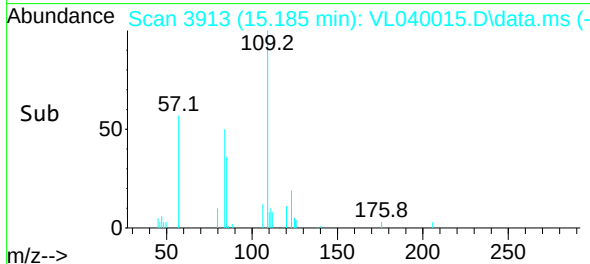
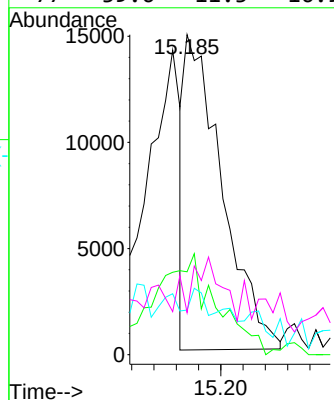
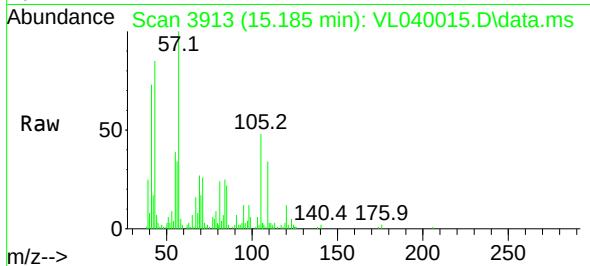




#72
4-Ethyltoluene
Concen: 0.061 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.023 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

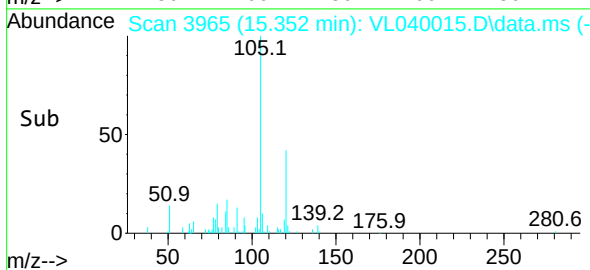
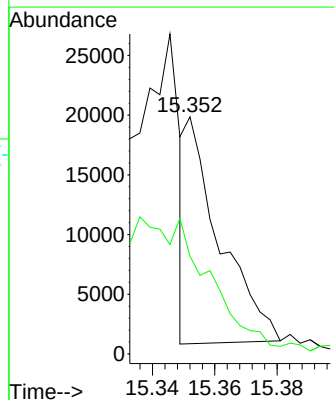
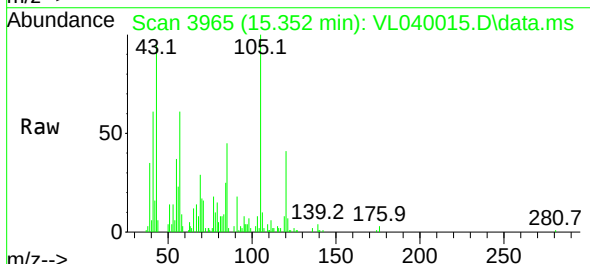
Instrument :
MSVOA_L
ClientSampleId :
SS-4

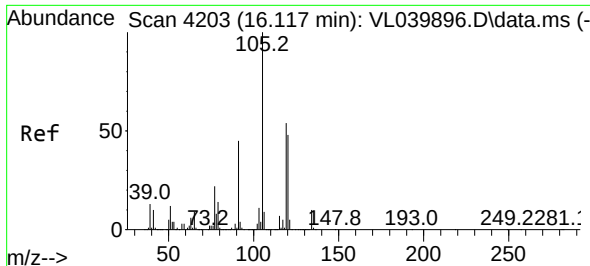
Tgt Ion:105 Resp: 17397
Ion Ratio Lower Upper
105 100
120 56.8 24.5 36.7#
91 21.4 10.4 15.6#
77 39.6 11.3 16.9#



#73
1,3,5-Trimethylbenzene
Concen: 0.055 ppbv
RT: 15.352 min Scan# 3965
Delta R.T. 0.032 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

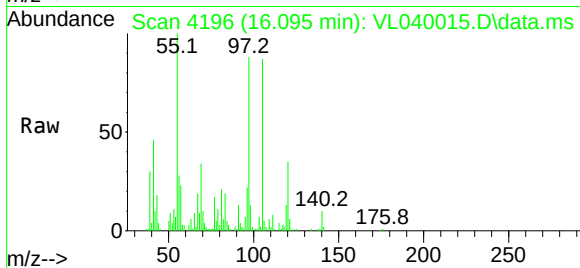
Tgt Ion:105 Resp: 14356
Ion Ratio Lower Upper
105 100
120 40.2 37.9 56.9



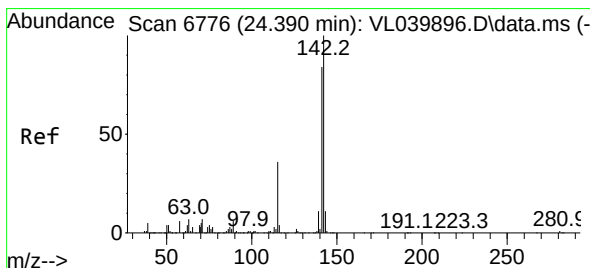
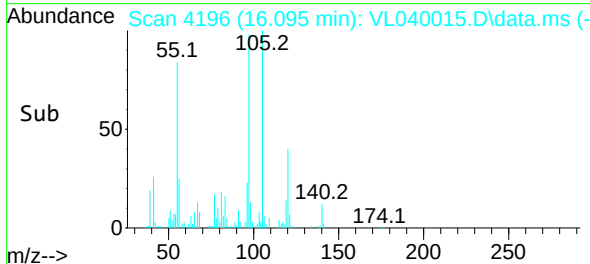
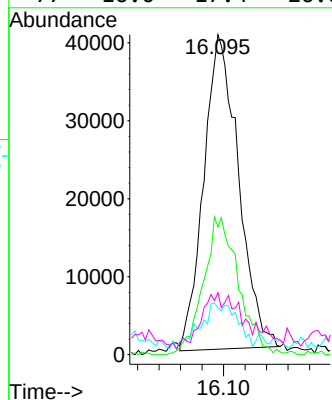


#74
1,2,4-Trimethylbenzene
Concen: 0.328 ppbv
RT: 16.095 min Scan# 4196
Delta R.T. 0.019 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Instrument :
MSVOA_L
ClientSampleId :
SS-4



Tgt Ion:	105	Resp:	90399
Ion Ratio	Lower	Upper	
105	100		
120	40.1	38.7	58.1
91	10.8	36.4	54.6#
77	16.0	17.4	26.0#



#80
Naphthalene,2-methyl-
Concen: 0.030 ppbv
RT: 24.393 min Scan# 6777
Delta R.T. 0.045 min
Lab File: VL040015.D
Acq: 13 Dec 2022 21:33

Tgt Ion:	142	Resp:	1405
Ion Ratio	Lower	Upper	
142	100		
141	133.5	69.1	103.7#
115	37.5	29.6	44.4

