

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\Reviewed data\
 Data File : VL040017.D
 Acq On : 13 Dec 2022 22:51
 Operator : SY/MD
 Sample : N5971-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5

Quant Time: Dec 21 15:07:40 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	5.179	49	955038	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	2595445	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2449205	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1866125	9.975	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	38109	0.279	ppbv	91
3) Chlorodifluoromethane	2.661	51	70259	0.533	ppbv #	91
4) Chloromethane	2.796	50	54818	0.651	ppbv #	80
5) Vinyl Chloride	2.902	62	1366	0.021	ppbv #	79
6) Bromomethane	3.105	94	6304	0.281	ppbv	88
7) Chloroethane	2.825	64	4691	0.180	ppbv	90
8) Dichlorotetrafluoroethane	2.835	85	9514	0.061	ppbv #	41
9) Propene	2.684	41	484955	7.812	ppbv	84
10) Heptane	7.571	43	47455	0.317	ppbv #	8
11) Trichlorofluoromethane	3.549	101	35584	0.213	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.050	101	9102	0.072	ppbv	99
13) Ethanol	3.237	45	12952925	2732.941	ppbv	92
15) Acetone	3.449	43	5843852	46.133	ppbv	100
16) 1,3-Butadiene	2.954	39	152112	2.409	ppbv #	39
17) tert-Butyl alcohol	3.886	59	114930	0.789	ppbv #	93
19) Isopropyl Alcohol	3.578	45	332145	4.843	ppbv #	1
20) Methylene Chloride	3.918	84	342237	5.576	ppbv	96
21) Allyl Chloride	3.973	41	5961	0.068	ppbv #	1
23) Vinyl Acetate	4.597	43	94171	1.810	ppbv #	1
25) Ethyl Acetate	5.195	43	344041	1.479	ppbv #	84
26) Hexane	5.201	57	372678	3.668	ppbv #	47
27) Carbon Disulfide	4.111	76	27851	0.217	ppbv #	82
30) Cyclohexane	6.594	84	65286	0.655	ppbv	87
31) cis-1,2-Dichloroethene	5.179	61	2314	0.025	ppbv #	58
34) 2-Butanone	4.774	43	115329	0.929	ppbv	95
35) Carbon Tetrachloride	6.478	117	7439	0.050	ppbv	92
36) Benzene	6.356	78	167768	0.760	ppbv #	92
37) 1,2-Dichloroethane	5.790	62	5388	0.045	ppbv #	89
39) 1,2-Dichloropropane	6.642	63	615138	7.157	ppbv #	26
40) 1,4-Dioxane	7.295	88	1792	0.052	ppbv #	1
44) 2,2,4-Trimethylpentane	7.320	57	9725	0.026	ppbv #	42
50) 4-Methyl-2-Pentanone	8.179	43	9476	0.043	ppbv #	15
53) Toluene	9.211	91	376581	1.498	ppbv	98
58) Ethyl Benzene	12.079	91	95228	0.287	ppbv	98
59) m/p-Xylene	12.343	91	164587	0.592	ppbv #	43
60) o-Xylene	13.047	91	73312	0.276	ppbv	69
61) Styrene	12.886	104	114723	0.725	ppbv	98
62) Isopropylbenzene	14.024	105	12820	0.034	ppbv #	48
69) p-Isopropyltoluene	16.995	119	9507	0.025	ppbv #	46
72) 4-Ethyltoluene	15.188	105	12673	0.043	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.346	105	17423	0.064	ppbv	96
74) 1,2,4-Trimethylbenzene	16.101	105	62899	0.218	ppbv #	75

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Instrument :
MSVOA_L
ClientSampleId :
SS-5

Quant Time: Dec 21 15:07:40 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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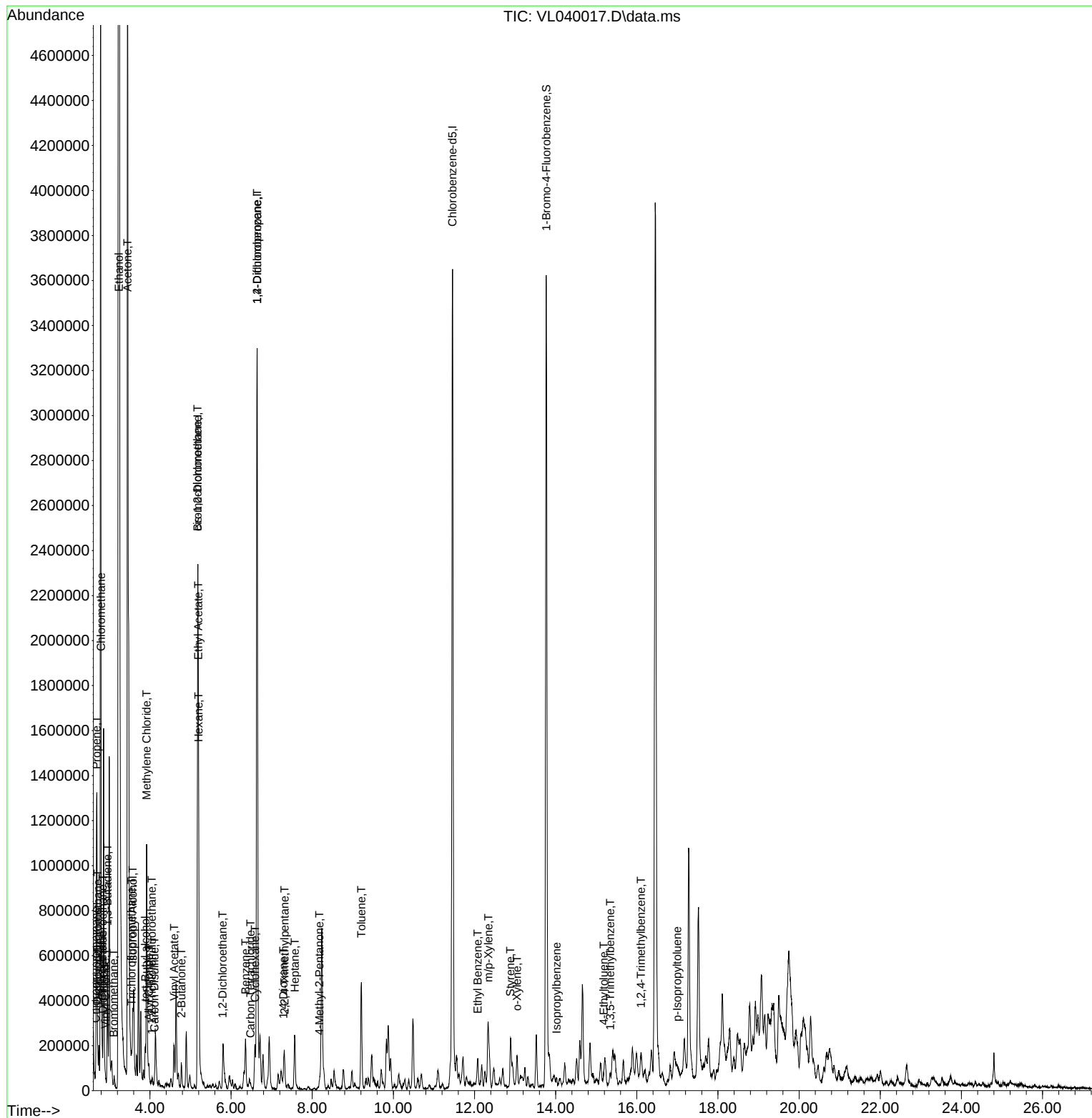
Quant Time: Dec 21 15:07:40 2022

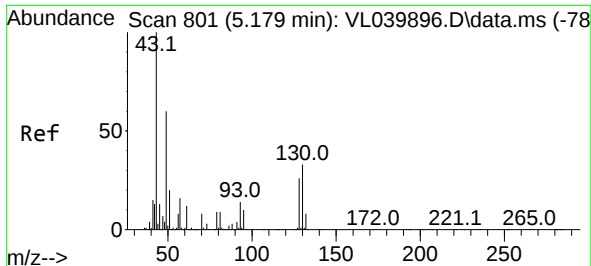
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

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

Response via : Initial Calibration

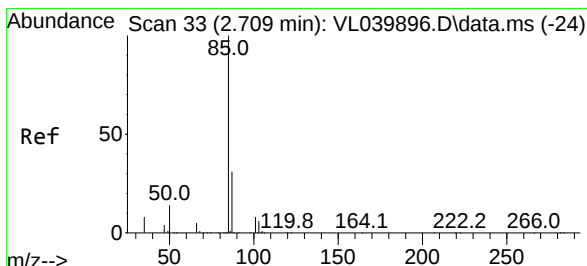
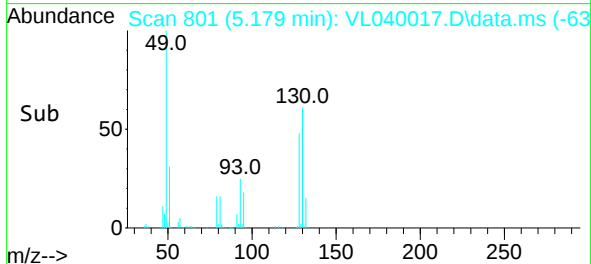
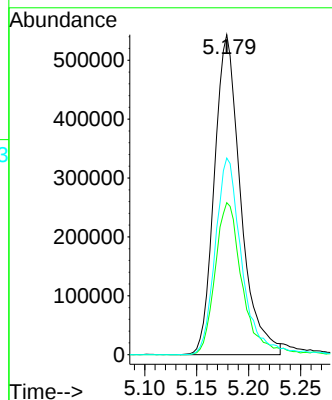
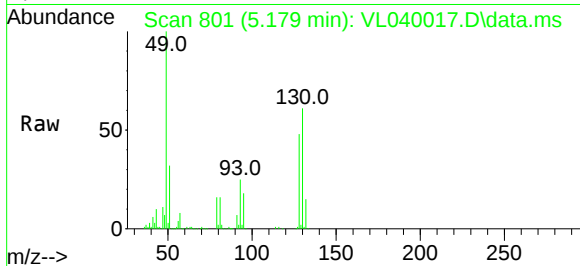




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

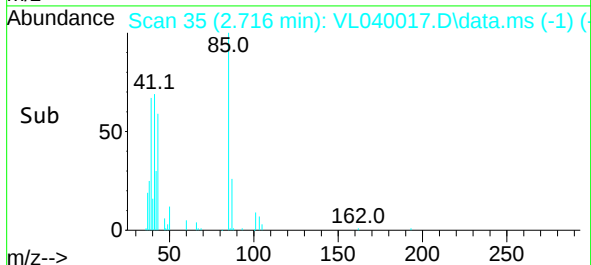
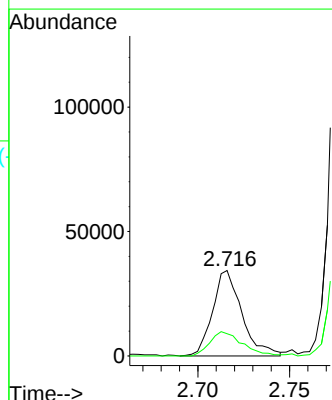
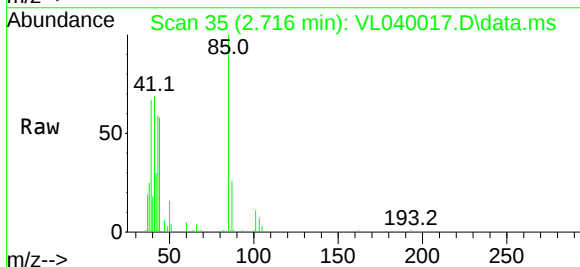
Instrument :
MSVOA_L
ClientSampleId :
SS-5

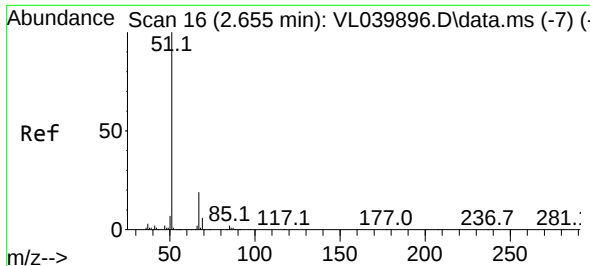
Tgt Ion: 49 Resp: 955038
Ion Ratio Lower Upper
49 100
128 49.9 22.1 66.3
130 63.6 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.279 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 85 Resp: 38109
Ion Ratio Lower Upper
85 100
87 26.0 25.0 37.4

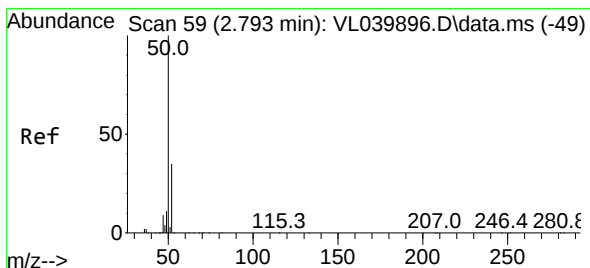
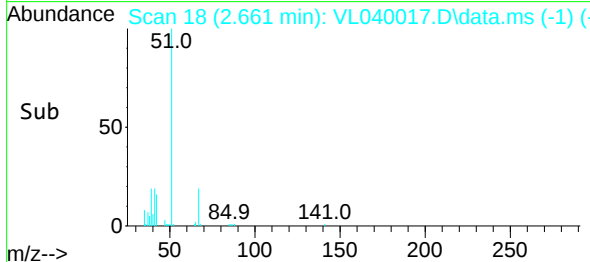
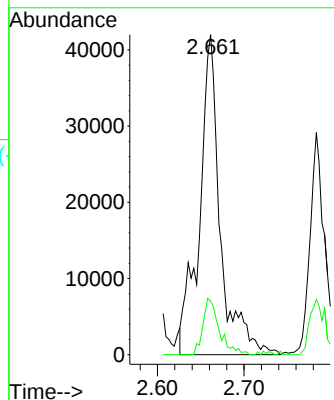
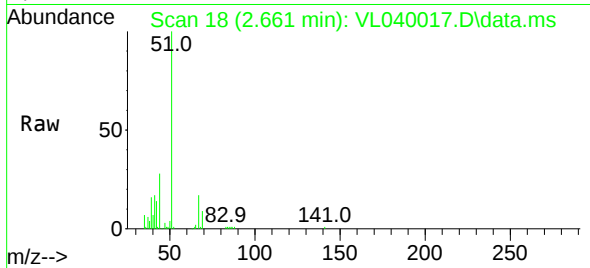




#3
Chlorodifluoromethane
Concen: 0.533 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

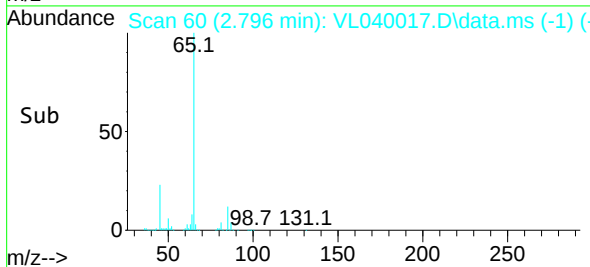
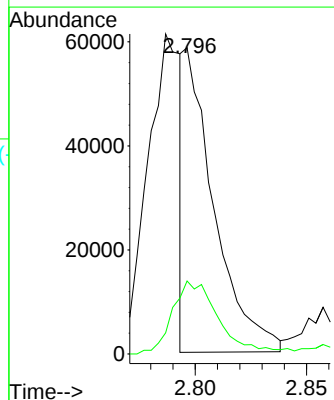
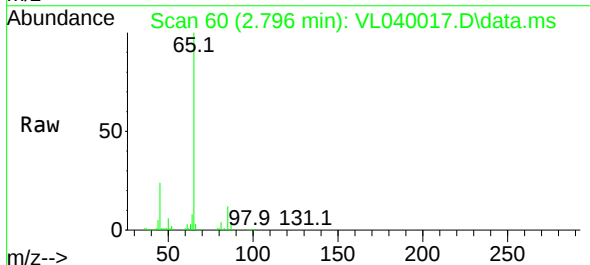
Instrument :
MSVOA_L
ClientSampleId :
SS-5

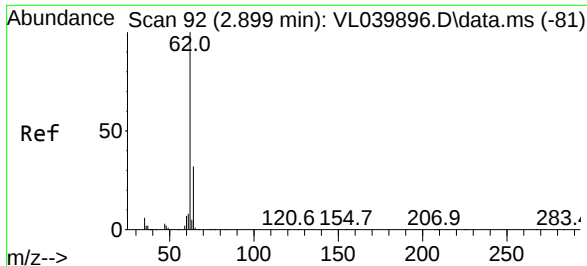
Tgt Ion: 51 Resp: 70259
Ion Ratio Lower Upper
51 100
67 13.7 14.2 21.4#



#4
Chloromethane
Concen: 0.651 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.016 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 50 Resp: 54818
Ion Ratio Lower Upper
50 100
52 23.4 27.8 41.8#

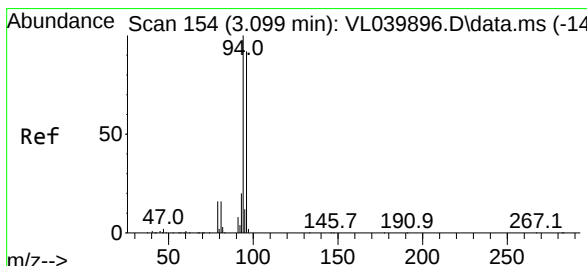
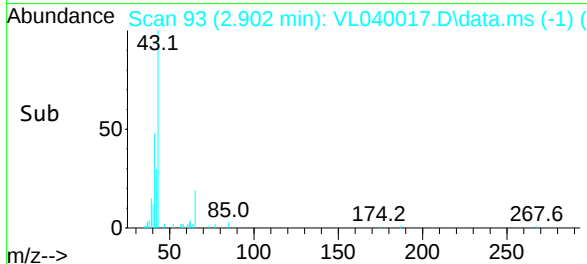
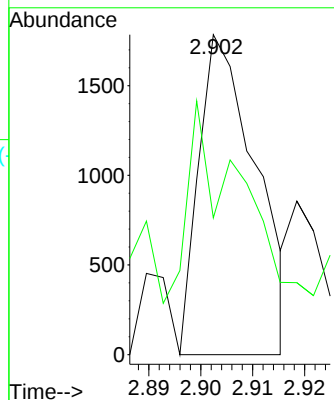
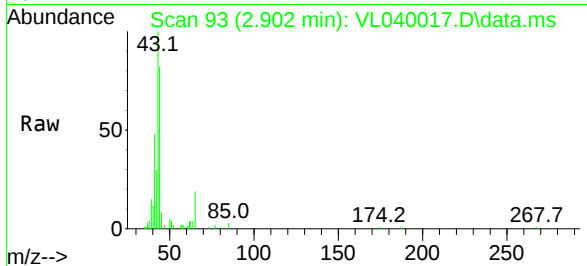




#5
 Vinyl Chloride
 Concen: 0.021 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.016 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

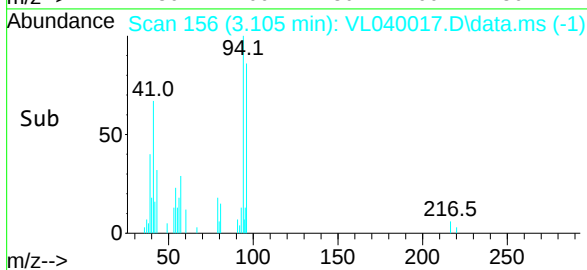
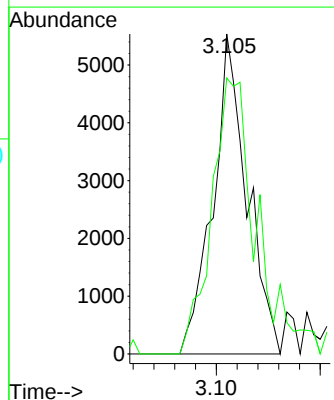
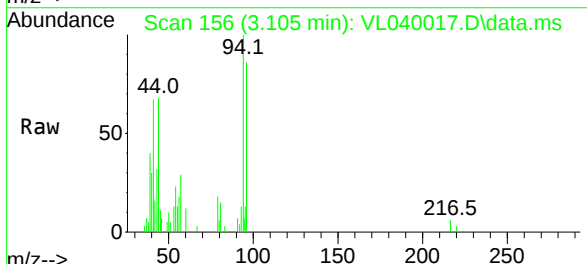
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5

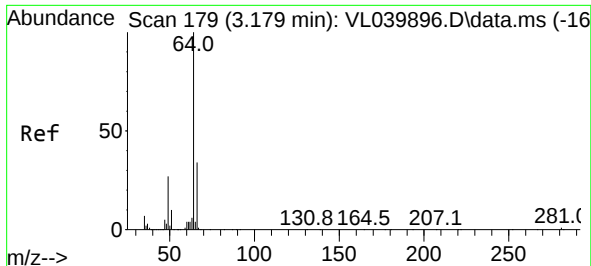
Tgt Ion: 62 Resp: 1366
 Ion Ratio Lower Upper
 62 100
 64 20.2 25.7 38.5#



#6
 Bromomethane
 Concen: 0.281 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. 0.019 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

Tgt Ion: 94 Resp: 6304
 Ion Ratio Lower Upper
 94 100
 96 80.4 73.7 110.5

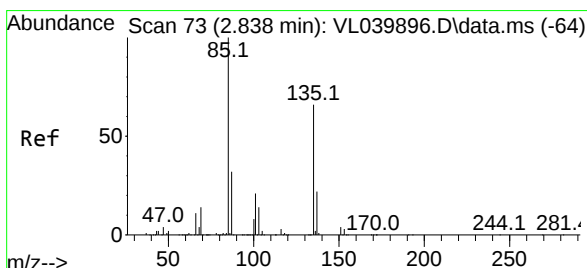
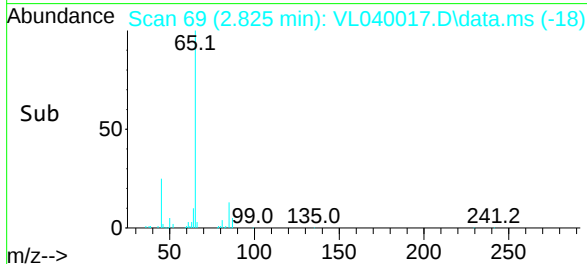
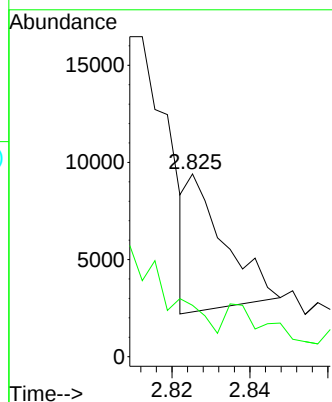
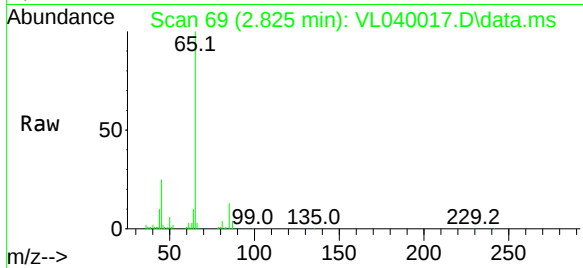




#7
Chloroethane
Concen: 0.180 ppbv
RT: 2.825 min Scan# 61
Delta R.T. -0.338 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

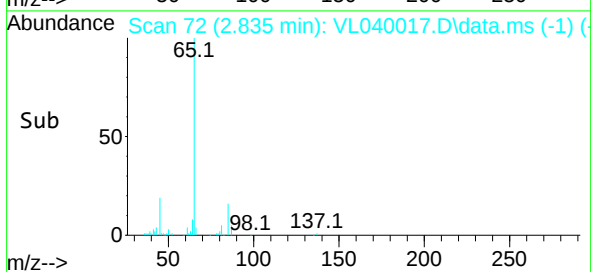
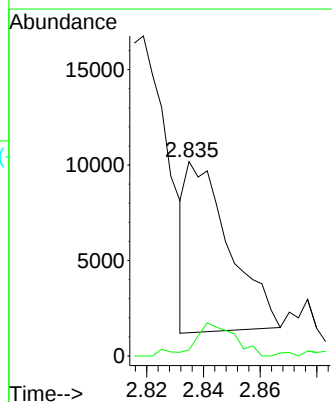
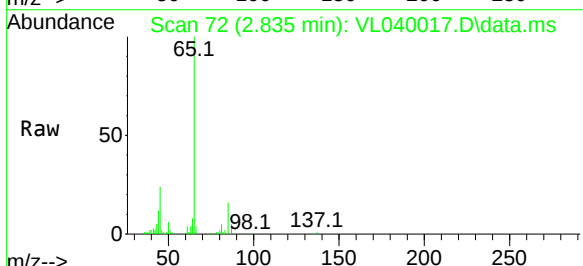
Instrument :
MSVOA_L
ClientSampleId :
SS-5

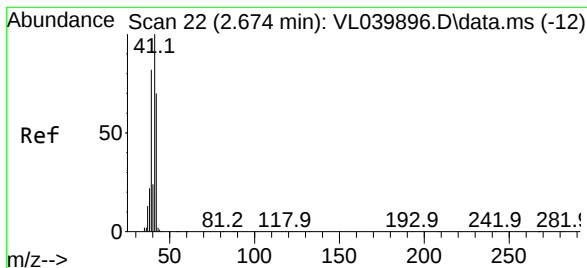
Tgt Ion: 64 Resp: 4691
Ion Ratio Lower Upper
64 100
66 28.1 27.3 40.9



#8
Dichlorotetrafluoroethane
Concen: 0.061 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 85 Resp: 9514
Ion Ratio Lower Upper
85 100
135 19.8 54.1 81.1#





#9

Propene

Concen: 7.812 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

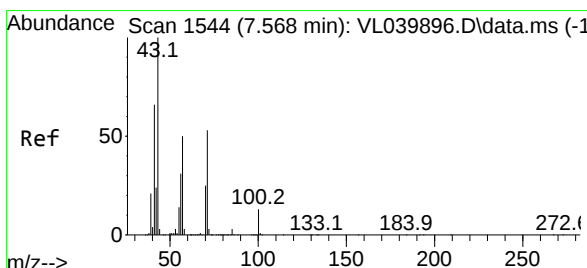
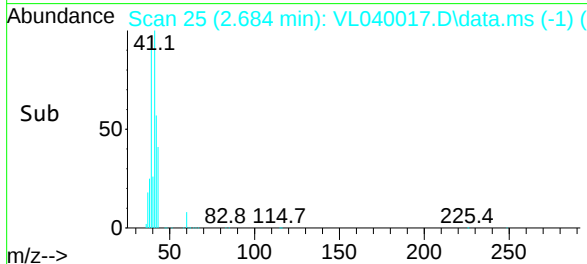
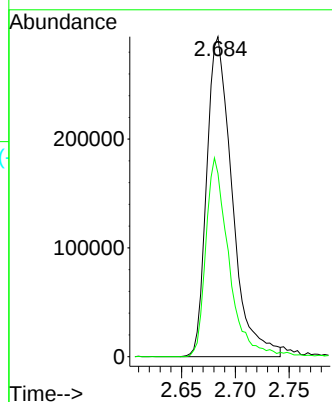
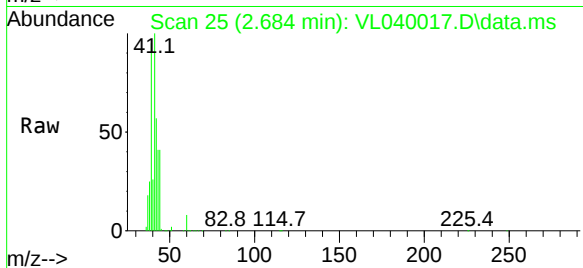
SS-5

Tgt Ion: 41 Resp: 484955

Ion Ratio Lower Upper

41 100

42 57.0 55.8 83.6



#10

Heptane

Concen: 0.317 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. 0.026 min

Lab File: VL040017.D

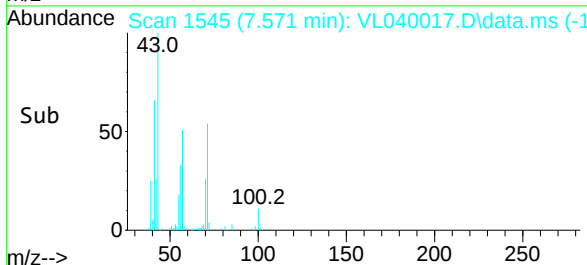
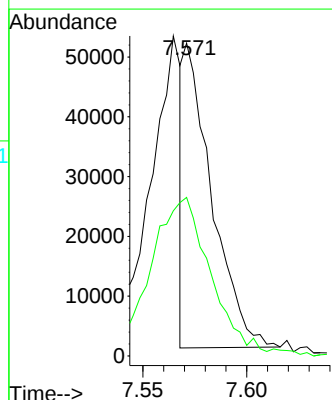
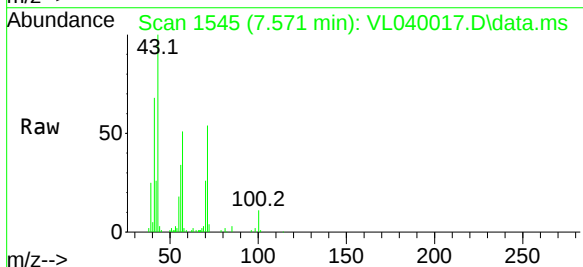
Acq: 13 Dec 2022 22:51

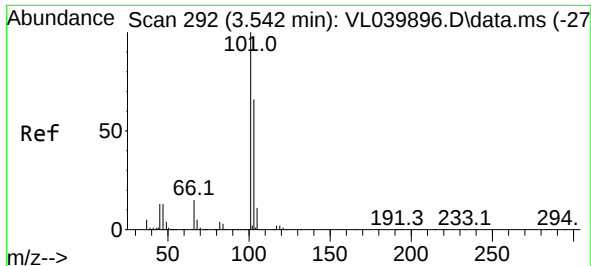
Tgt Ion: 43 Resp: 47455

Ion Ratio Lower Upper

43 100

57 115.1 40.7 61.1#

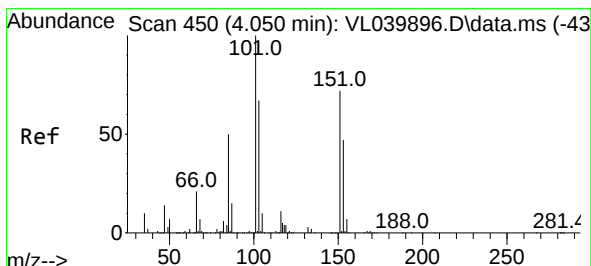
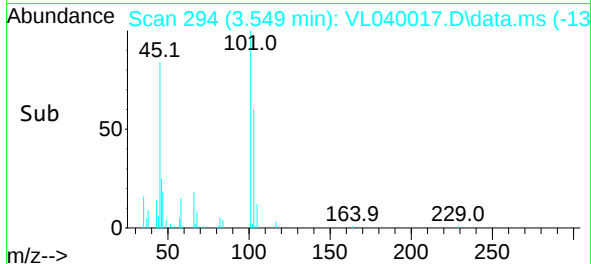
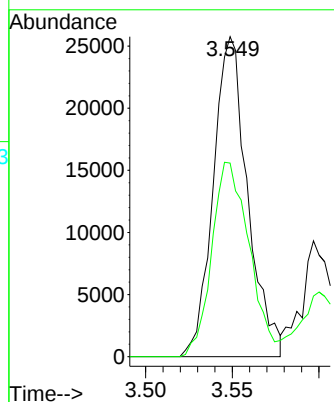
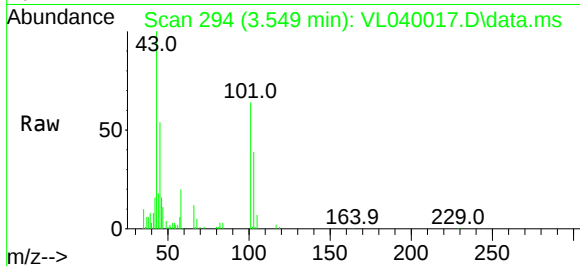




#11
 Trichlorofluoromethane
 Concen: 0.213 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. 0.019 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

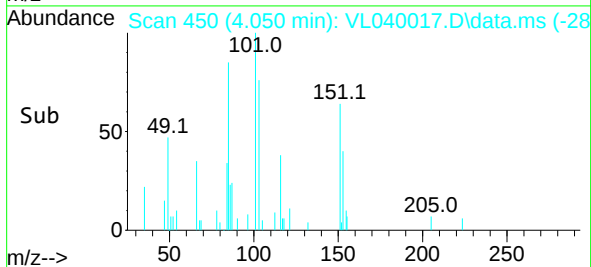
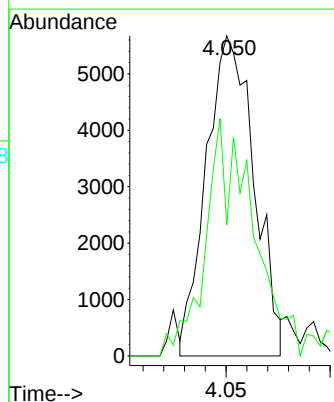
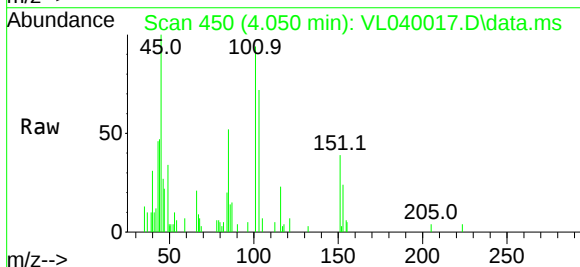
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5

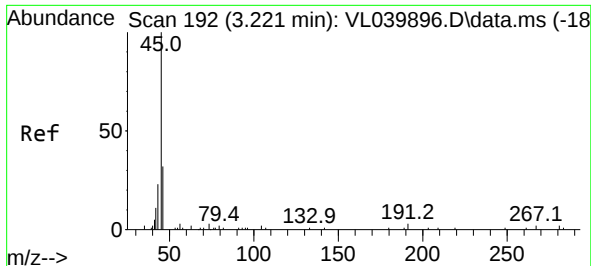
Tgt Ion:101 Resp: 35584
 Ion Ratio Lower Upper
 101 100
 103 60.5 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.072 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. 0.019 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

Tgt Ion:101 Resp: 9102
 Ion Ratio Lower Upper
 101 100
 151 75.0 59.6 89.4

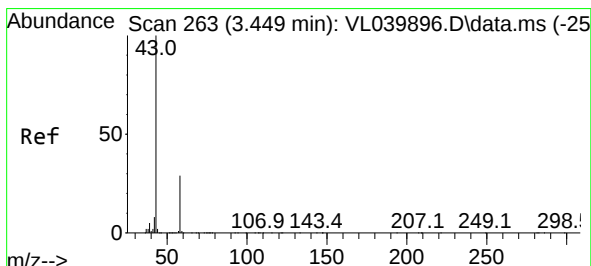
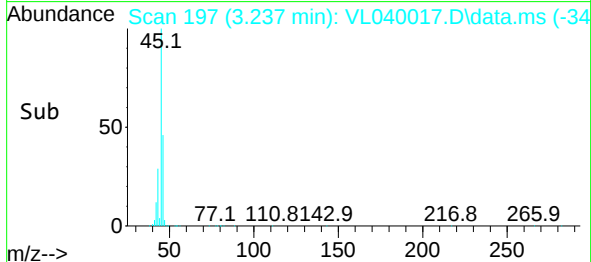
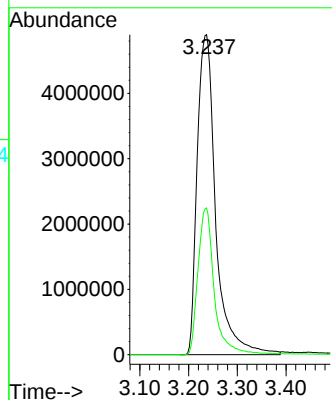
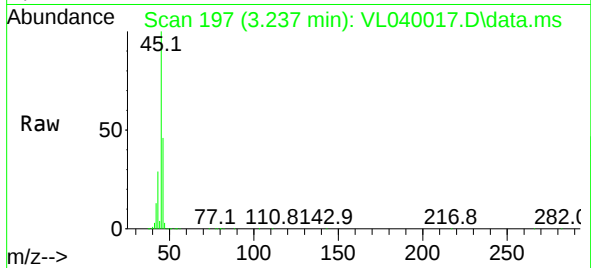




#13
Ethanol
Concen: 2732.941 ppbv
RT: 3.237 min Scan# 192
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

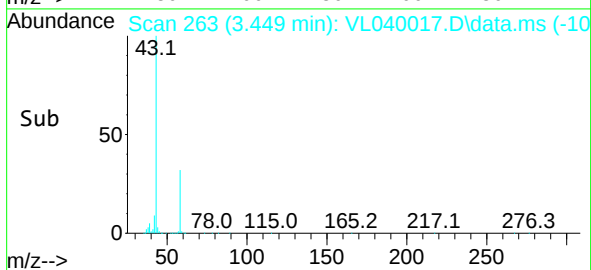
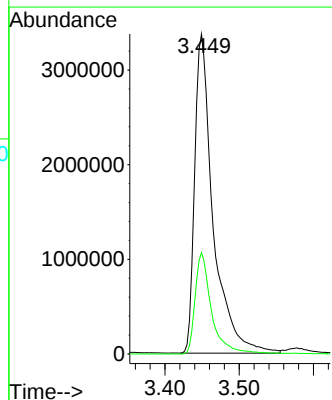
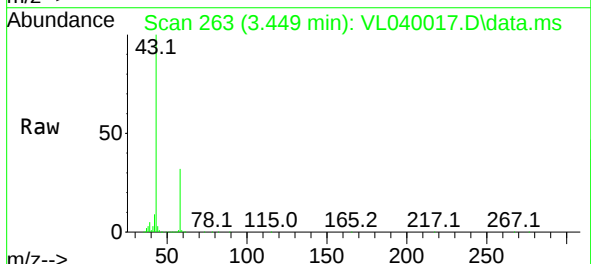
Instrument :
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ClientSampleId :
SS-5

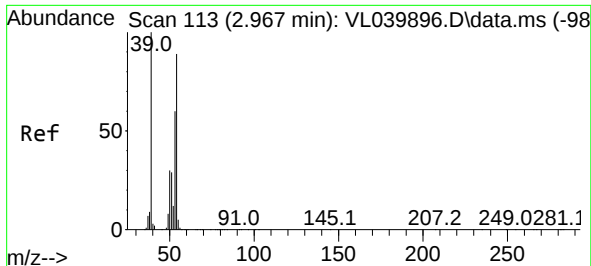
Tgt Ion: 45 Resp:12952925
Ion Ratio Lower Upper
45 100
46 40.9 14.6 58.2



#15
Acetone
Concen: 46.133 ppbv
RT: 3.449 min Scan# 263
Delta R.T. 0.016 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 43 Resp: 5843852
Ion Ratio Lower Upper
43 100
58 28.8 22.9 34.3

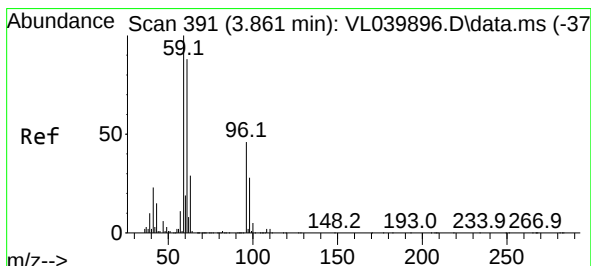
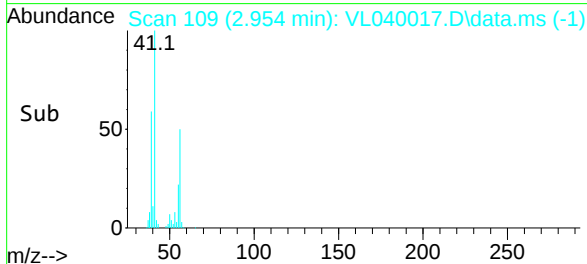
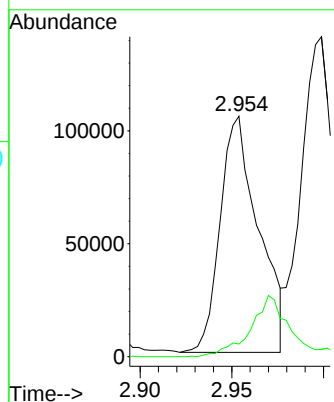
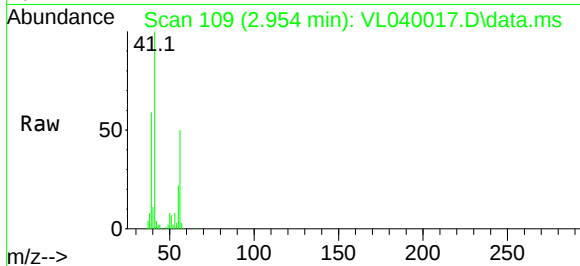




#16
1,3-Butadiene
Concen: 2.409 ppbv
RT: 2.954 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

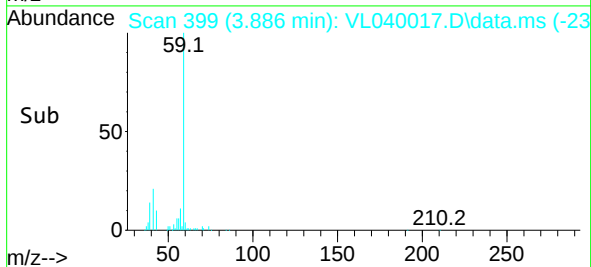
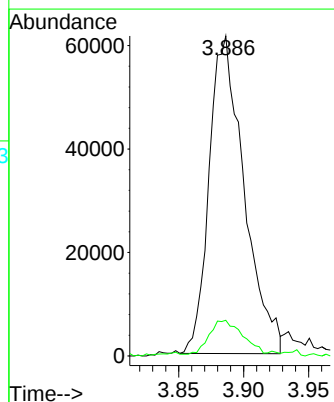
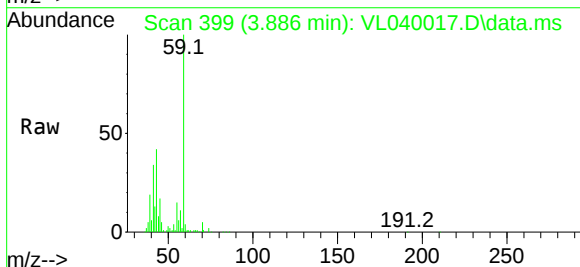
Instrument :
MSVOA_L
ClientSampleId :
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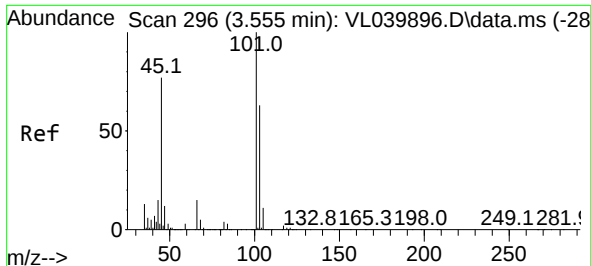
Tgt Ion: 39 Resp: 152112
Ion Ratio Lower Upper
39 100
54 27.9 66.6 99.8#



#17
tert-Butyl alcohol
Concen: 0.789 ppbv
RT: 3.886 min Scan# 399
Delta R.T. 0.042 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 59 Resp: 114930
Ion Ratio Lower Upper
59 100
57 13.0 8.3 12.5#

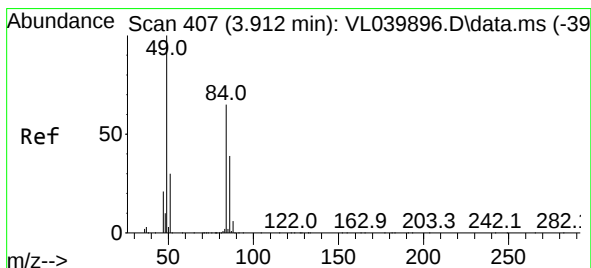
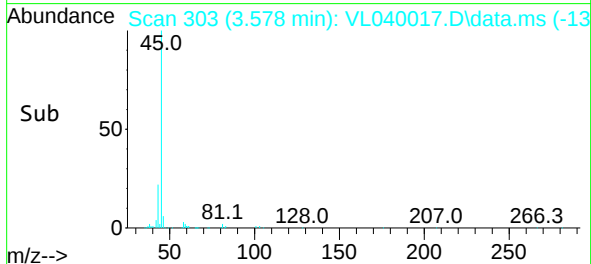
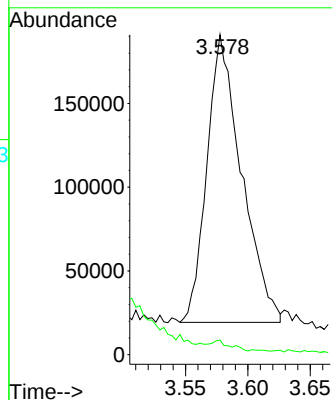
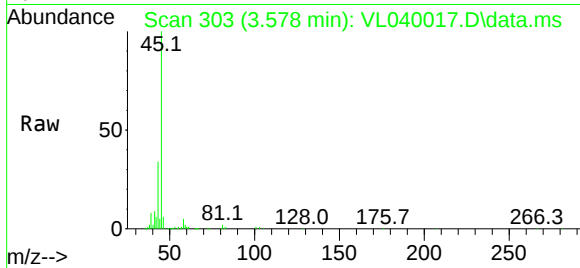




#19
Isopropyl Alcohol
Concen: 4.843 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.035 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

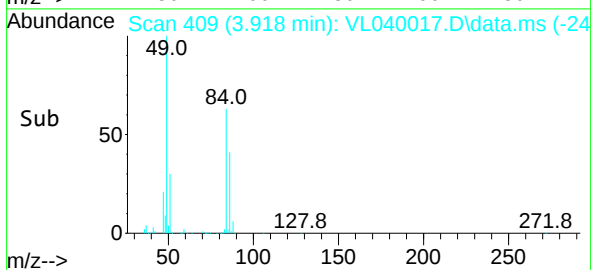
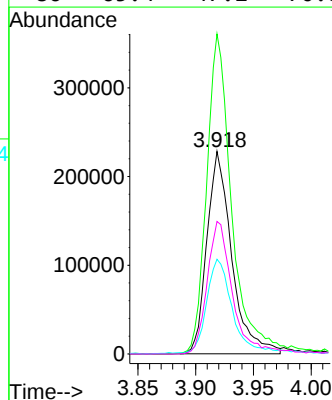
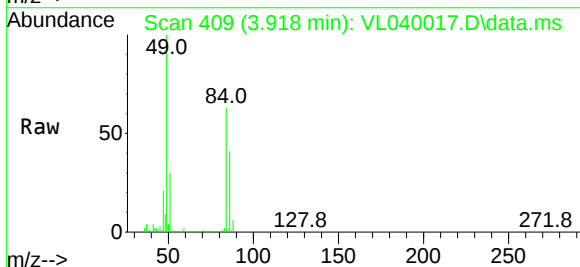
Instrument :
MSVOA_L
ClientSampleId :
SS-5

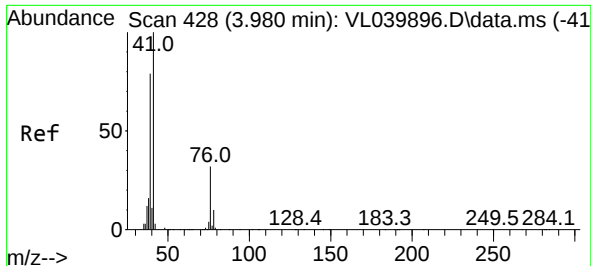
Tgt Ion: 45 Resp: 332145
Ion Ratio Lower Upper
45 100
58 504.0 38.7 58.1#



#20
Methylene Chloride
Concen: 5.576 ppbv
RT: 3.918 min Scan# 409
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 84 Resp: 342237
Ion Ratio Lower Upper
84 100
49 157.8 122.2 183.4
51 46.2 36.3 54.5
86 65.4 47.2 70.8

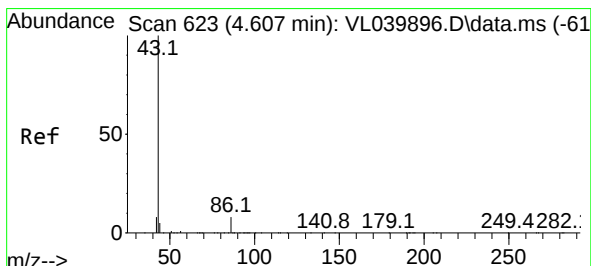
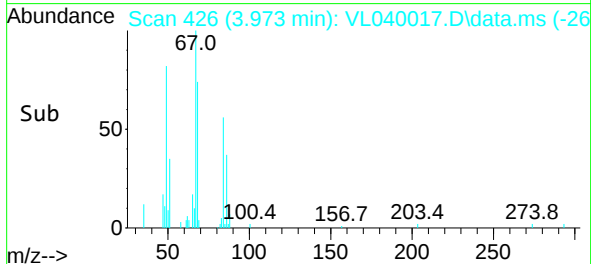
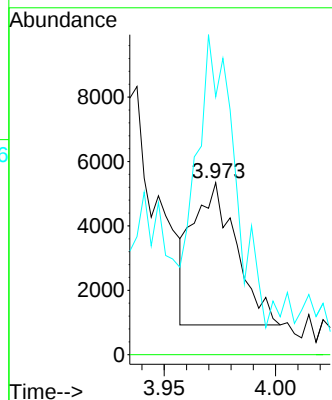
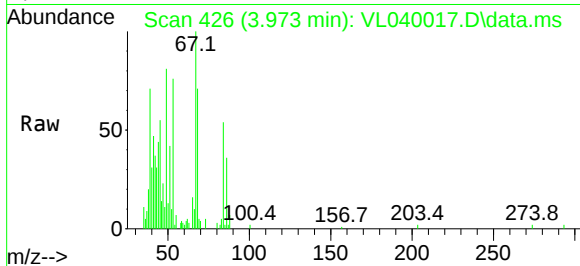




#21
 Allyl Chloride
 Concen: 0.068 ppbv
 RT: 3.973 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

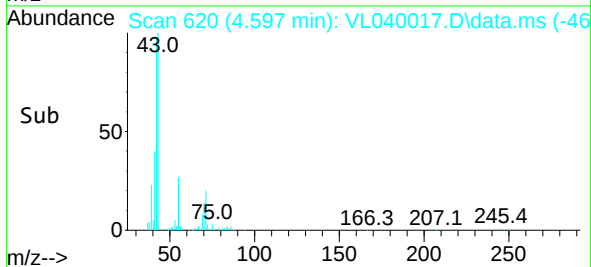
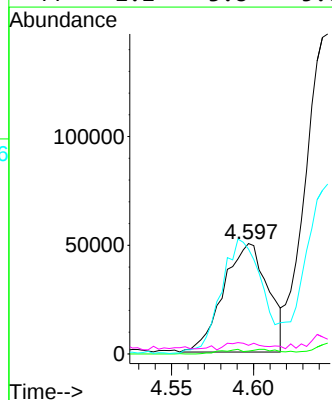
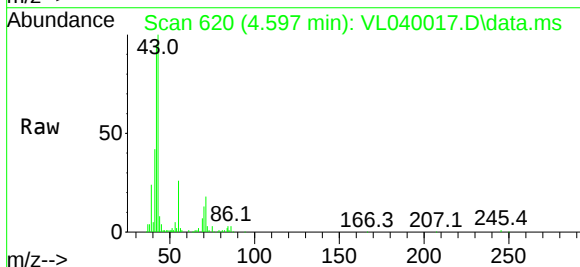
Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5

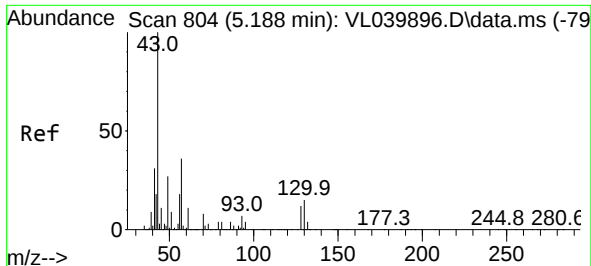
Tgt Ion: 41 Resp: 5961
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.6 38.4#
 39 272.9 65.2 97.8#



#23
 Vinyl Acetate
 Concen: 1.810 ppbv
 RT: 4.597 min Scan# 620
 Delta R.T. 0.003 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

Tgt Ion: 43 Resp: 94171
 Ion Ratio Lower Upper
 43 100
 86 2.3 5.0 7.4#
 42 95.6 7.6 11.4#
 44 2.2 3.8 5.6#

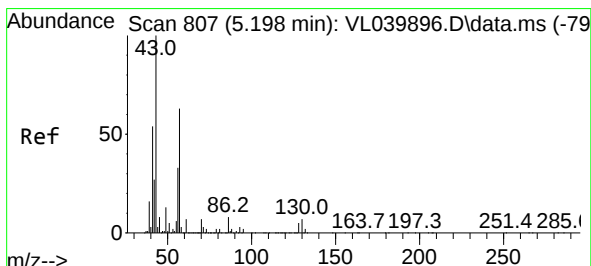
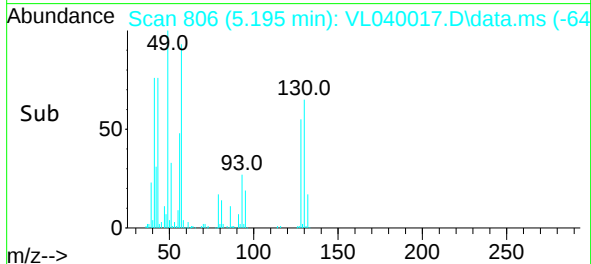
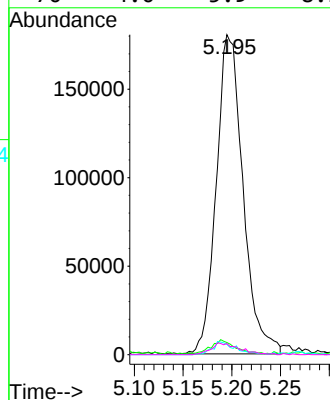
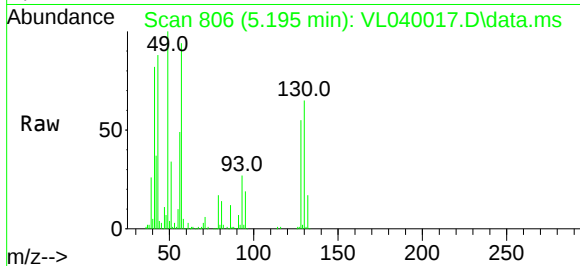




#25
Ethyl Acetate
Concen: 1.479 ppbv
RT: 5.195 min Scan# 804
Delta R.T. 0.026 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

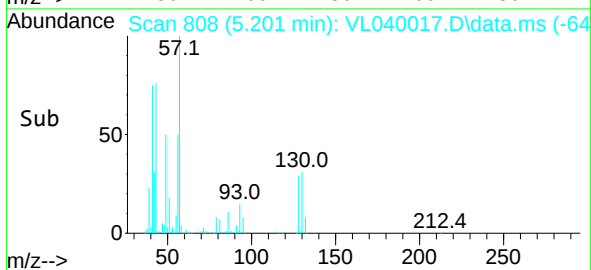
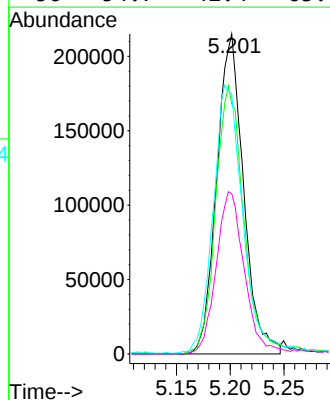
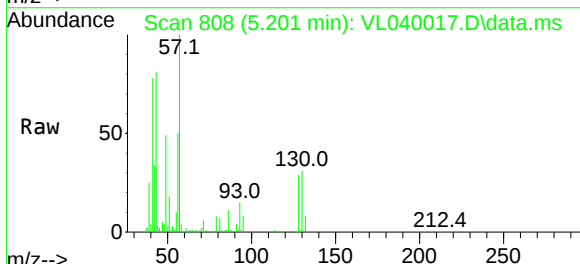
Instrument :
MSVOA_L
ClientSampleId :
SS-5

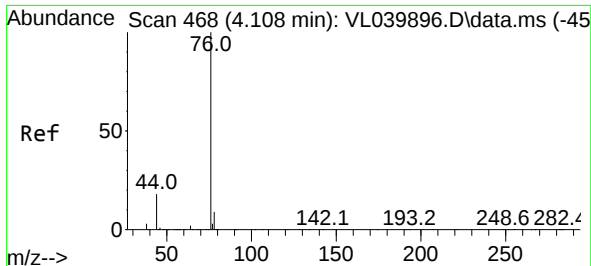
Tgt Ion: 43 Resp: 344041
Ion Ratio Lower Upper
43 100
45 4.1 8.4 12.6#
61 3.6 8.5 12.7#
70 4.0 5.9 8.9#



#26
Hexane
Concen: 3.668 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.026 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 57 Resp: 372678
Ion Ratio Lower Upper
57 100
41 89.6 72.3 108.5
43 94.3 188.7 283.1#
56 54.7 42.4 63.6

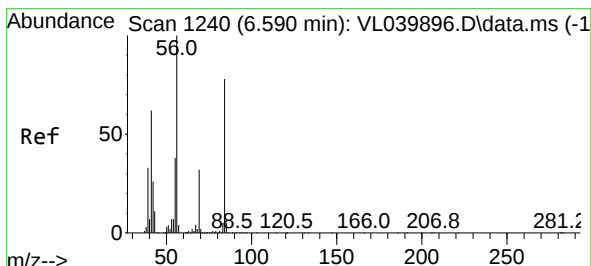
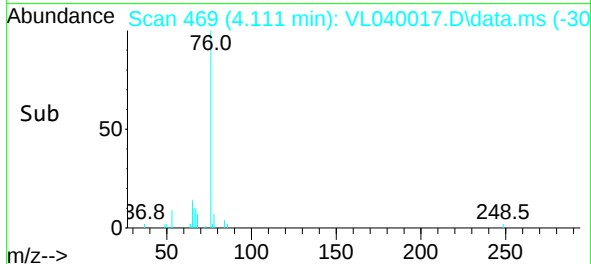
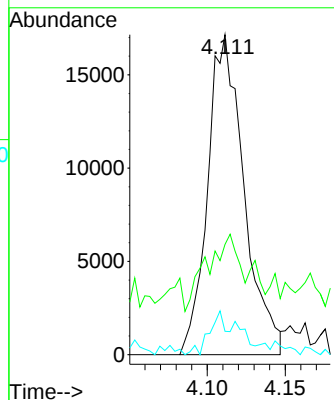
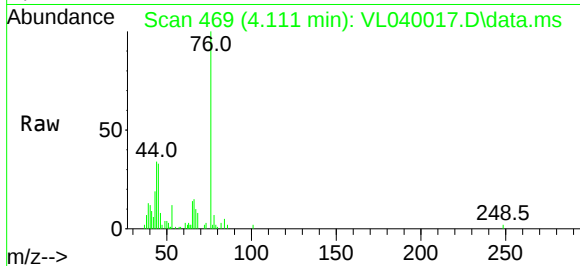




#27
Carbon Disulfide
Concen: 0.217 ppbv
RT: 4.111 min Scan# 411
Delta R.T. 0.026 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

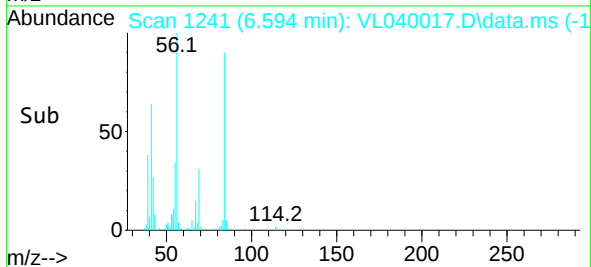
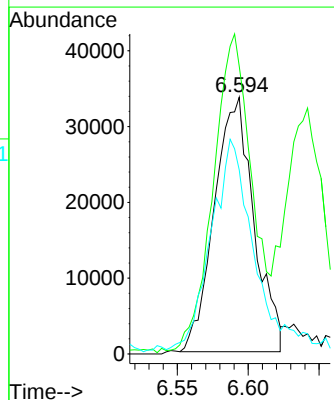
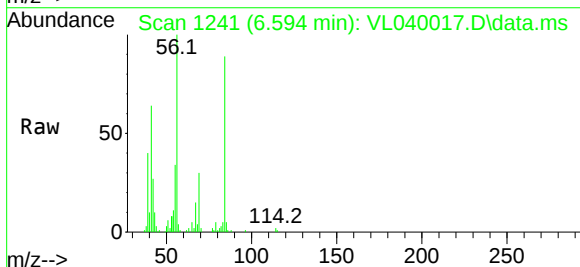
Instrument :
MSVOA_L
ClientSampleId :
SS-5

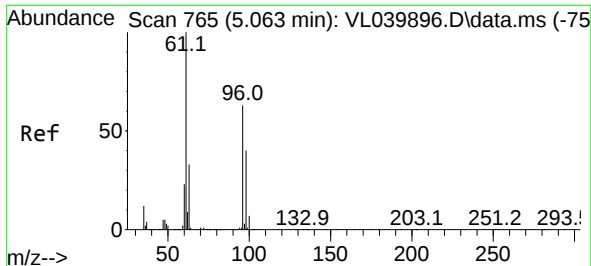
Tgt Ion: 76 Resp: 27851
Ion Ratio Lower Upper
76 100
44 28.0 14.7 22.1#
78 13.6 7.8 11.8#



#30
Cyclohexane
Concen: 0.655 ppbv
RT: 6.594 min Scan# 1241
Delta R.T. 0.029 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 84 Resp: 65286
Ion Ratio Lower Upper
84 100
56 121.5 112.5 168.7
41 93.2 67.8 101.8





#31

cis-1,2-Dichloroethene

Concen: 0.025 ppbv

RT: 5.179 min Scan# 801

Delta R.T. 0.138 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

SS-5

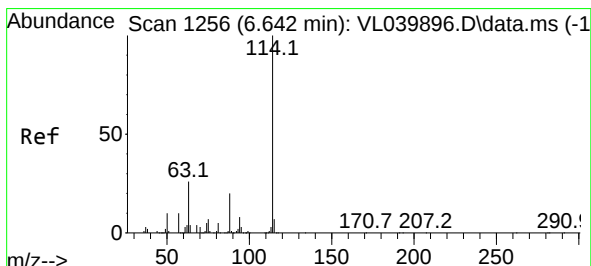
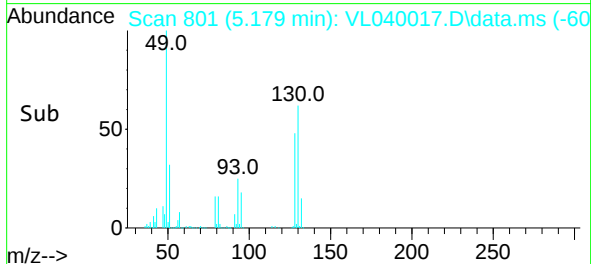
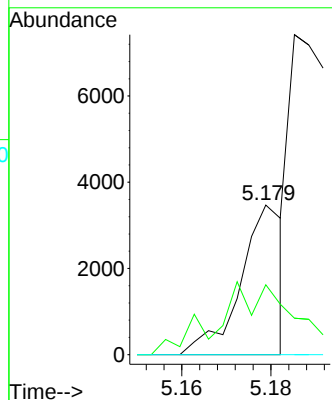
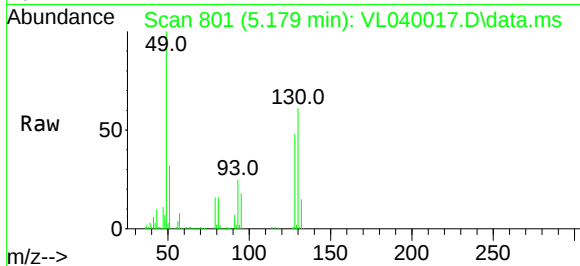
Tgt Ion: 61 Resp: 2314

Ion Ratio Lower Upper

61 100

96 41.4 50.3 75.5#

98 0.0 32.2 48.2#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. 0.023 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

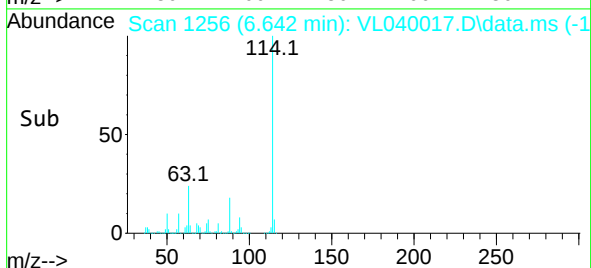
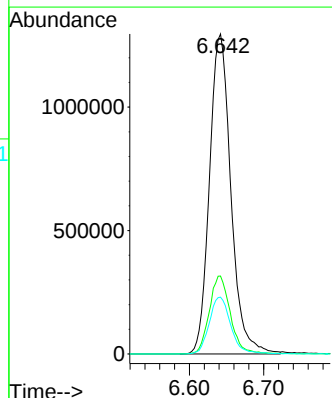
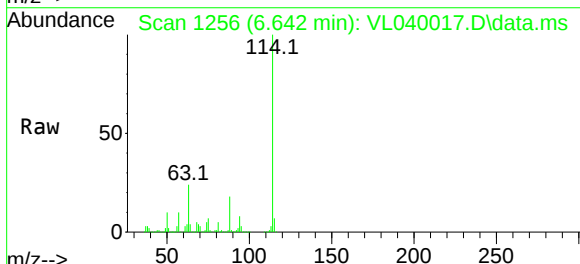
Tgt Ion: 114 Resp: 2595445

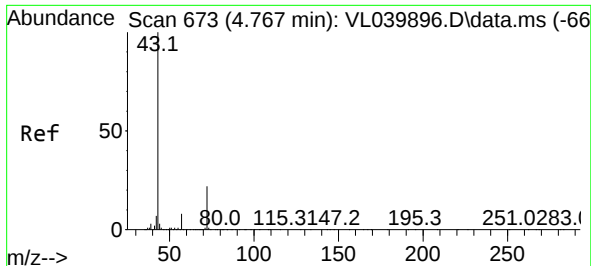
Ion Ratio Lower Upper

114 100

63 24.2 21.4 32.0

88 17.9 15.3 22.9

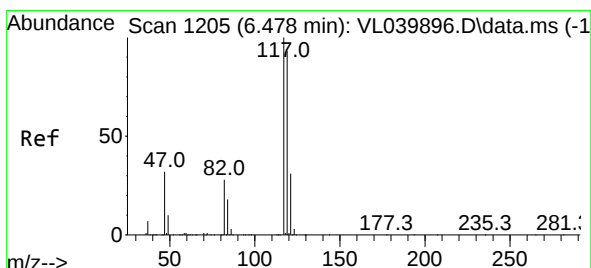
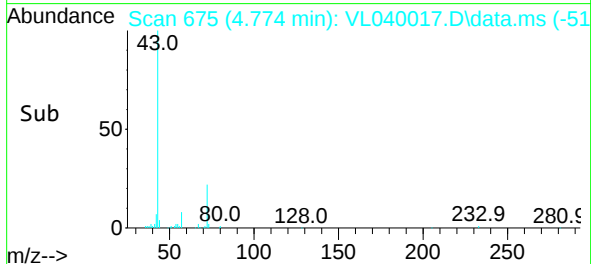
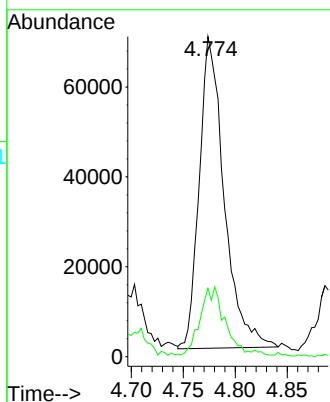
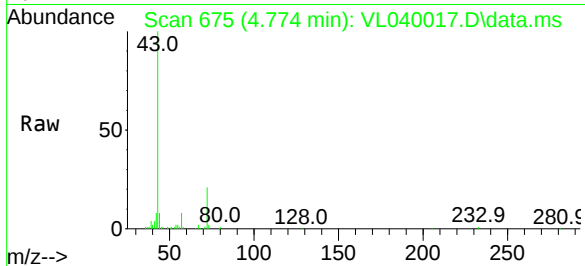




#34
2-Butanone
Concen: 0.929 ppbv
RT: 4.774 min Scan# 61
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

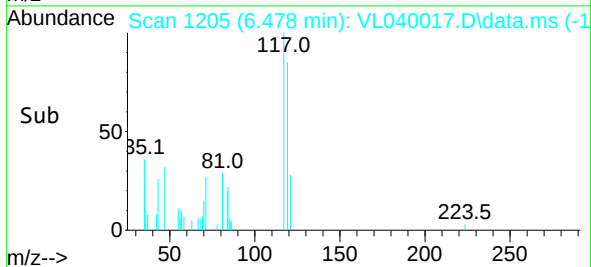
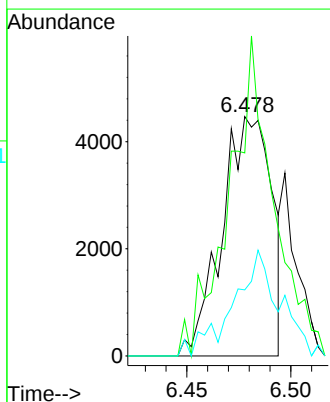
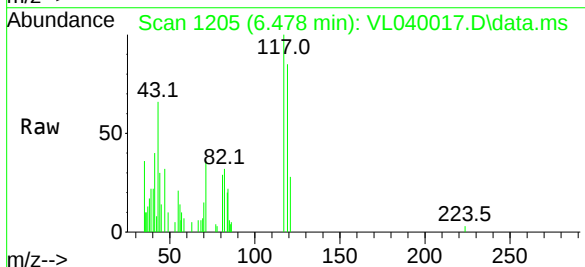
Instrument :
MSVOA_L
ClientSampleId :
SS-5

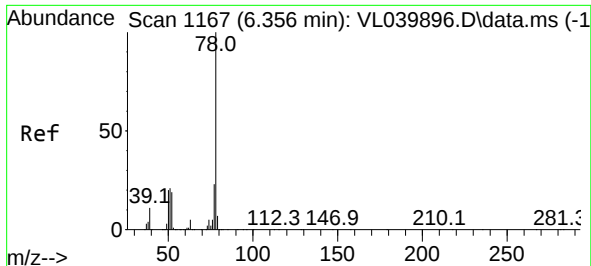
Tgt Ion: 43 Resp: 115329
Ion Ratio Lower Upper
43 100
72 24.1 17.4 26.2



#35
Carbon Tetrachloride
Concen: 0.050 ppbv
RT: 6.478 min Scan# 1205
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 117 Resp: 7439
Ion Ratio Lower Upper
117 100
119 84.8 74.7 112.1
121 27.6 24.5 36.7

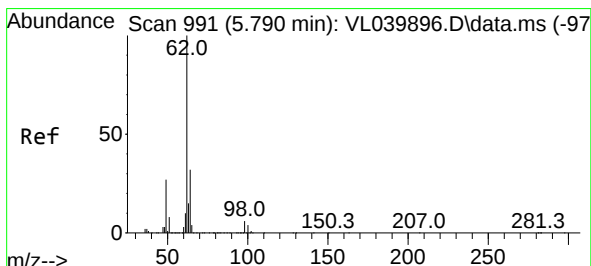
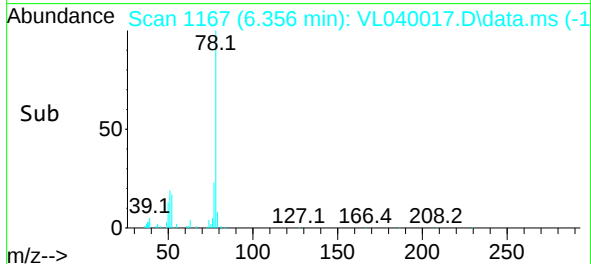
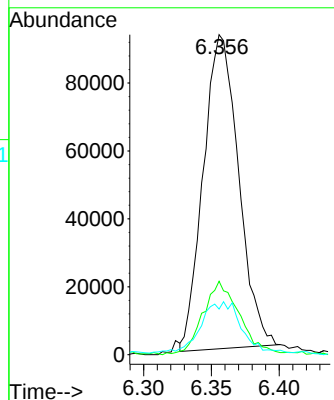
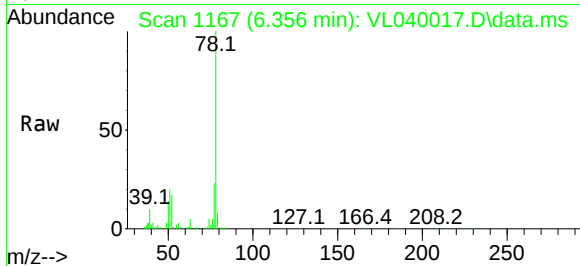




#36
Benzene
Concen: 0.760 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

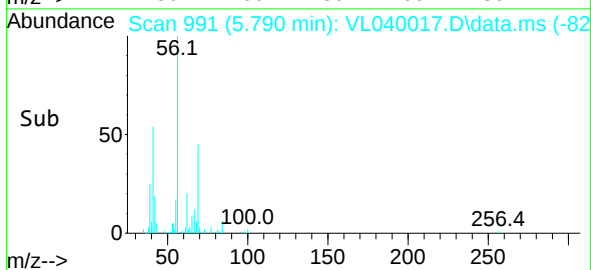
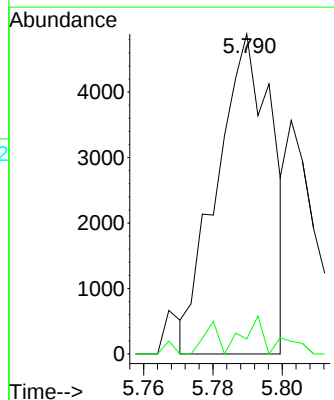
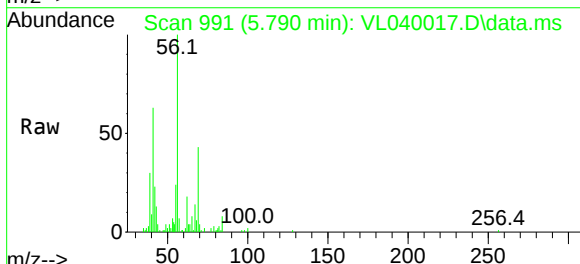
Instrument :
MSVOA_L
ClientSampleId :
SS-5

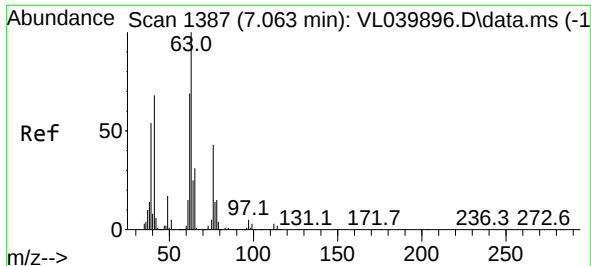
Tgt Ion: 78 Resp: 167768
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2
50 12.8 15.8 23.8#



#37
1,2-Dichloroethane
Concen: 0.045 ppbv
RT: 5.790 min Scan# 991
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 62 Resp: 5388
Ion Ratio Lower Upper
62 100
98 10.1 5.0 7.6#





#39

1,2-Dichloropropane

Concen: 7.157 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.392 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

SS-5

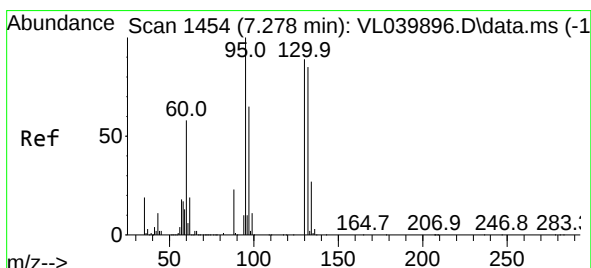
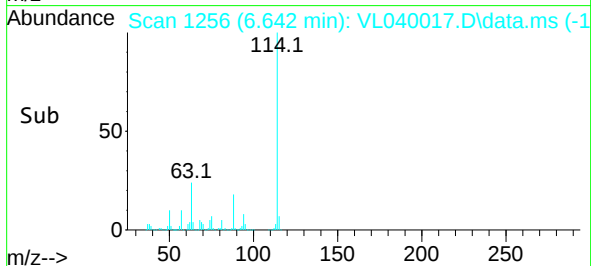
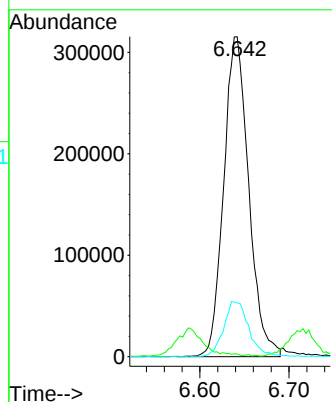
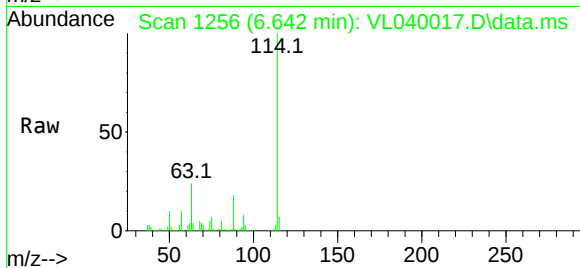
Tgt Ion: 63 Resp: 615138

Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 16.7 55.0 82.6#



#40

1,4-Dioxane

Concen: 0.052 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.042 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Tgt Ion: 88 Resp: 1792

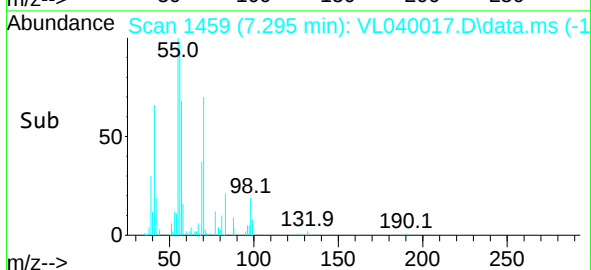
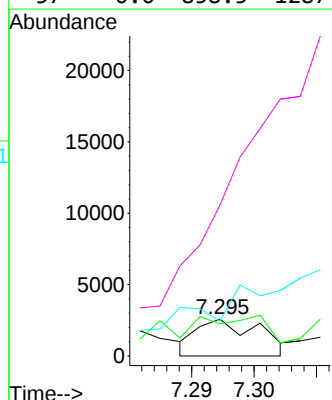
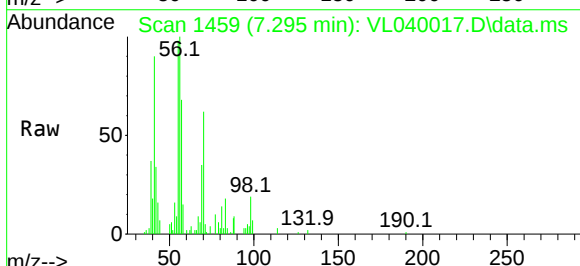
Ion Ratio Lower Upper

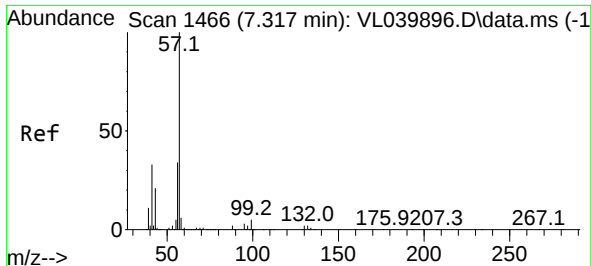
88 100

58 401.2 100.5 150.7#

43 0.0 195.8 293.8#

57 0.0 858.5 1287.7#





#44

2,2,4-Trimethylpentane

Concen: 0.026 ppbv

RT: 7.320 min Scan# 1466

Delta R.T. 0.029 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

SS-5

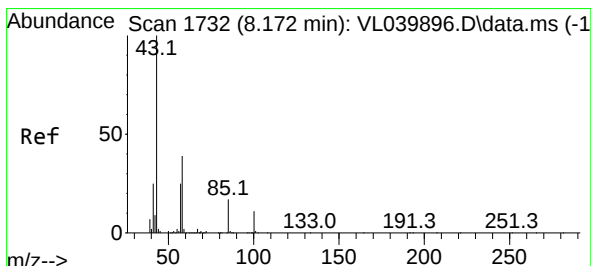
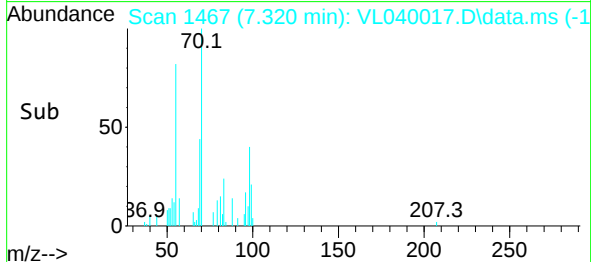
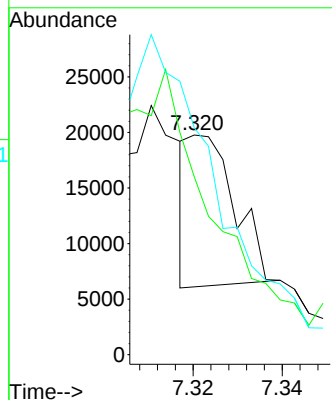
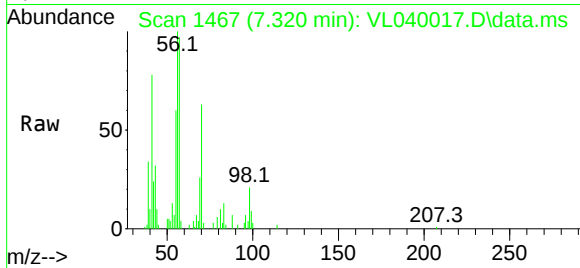
Tgt Ion: 57 Resp: 9725

Ion Ratio Lower Upper

57 100

41 0.0 26.2 39.2#

56 0.0 25.5 38.3#



#50

4-Methyl-2-Pentanone

Concen: 0.043 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.032 min

Lab File: VL040017.D

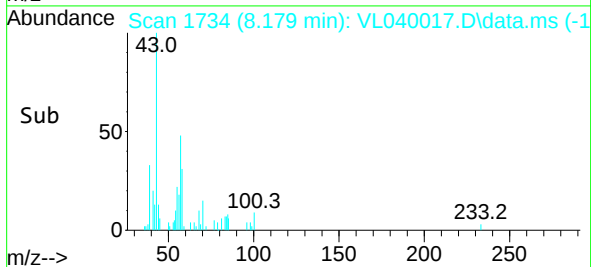
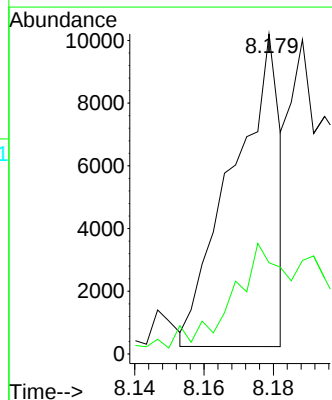
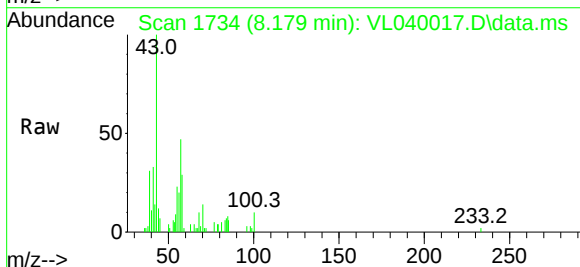
Acq: 13 Dec 2022 22:51

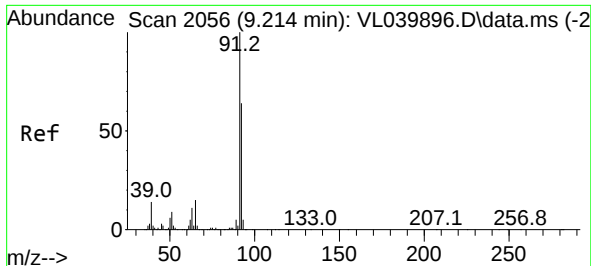
Tgt Ion: 43 Resp: 9476

Ion Ratio Lower Upper

43 100

58 88.0 29.8 44.6#

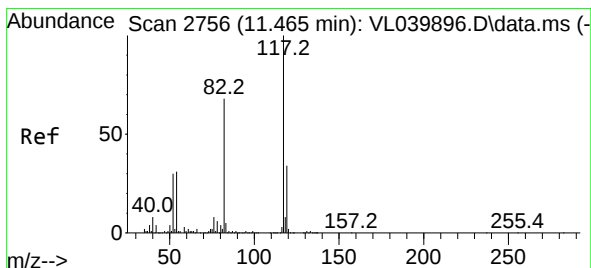
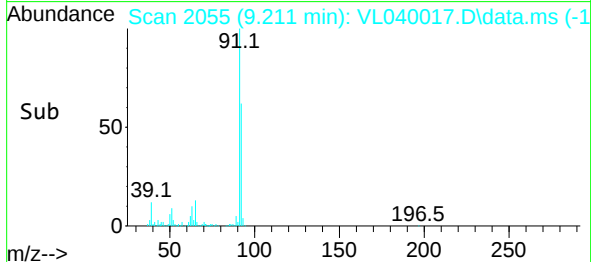
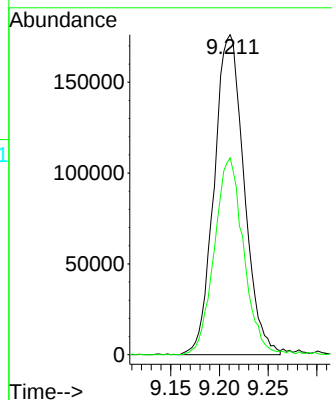
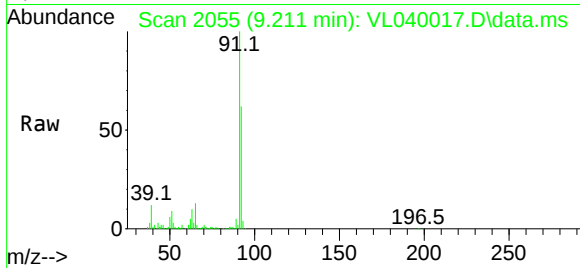




#53
Toluene
Concen: 1.498 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. 0.026 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

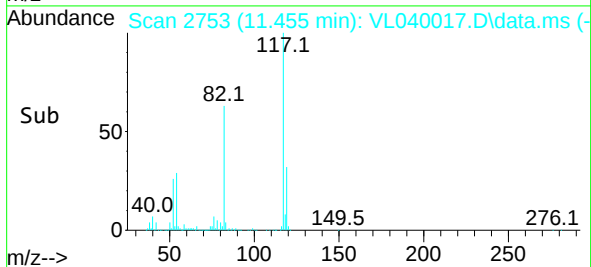
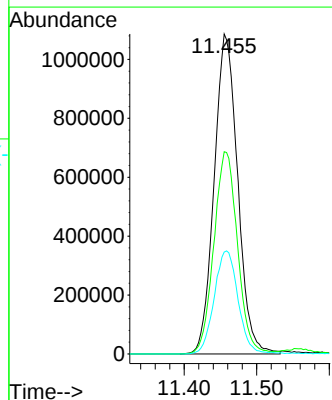
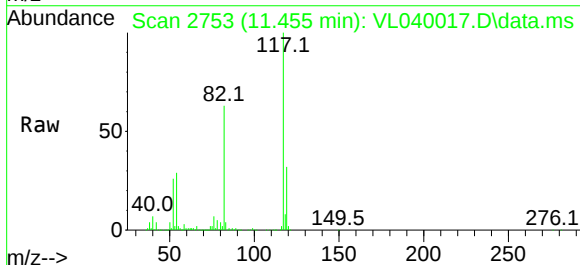
Instrument :
MSVOA_L
ClientSampleId :
SS-5

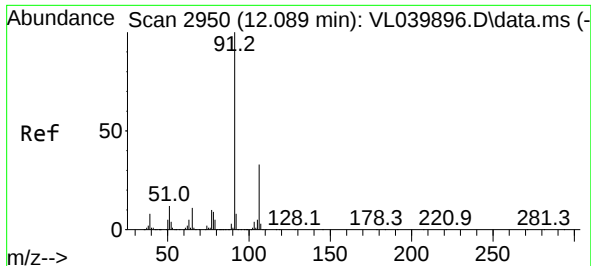
Tgt Ion: 91 Resp: 376581
Ion Ratio Lower Upper
91 100
92 60.4 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 117 Resp: 2449205
Ion Ratio Lower Upper
117 100
82 63.7 52.3 78.5
119 32.8 25.7 38.5





#58

Ethyl Benzene

Concen: 0.287 ppbv

RT: 12.079 min Scan# 2947

Delta R.T. 0.023 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

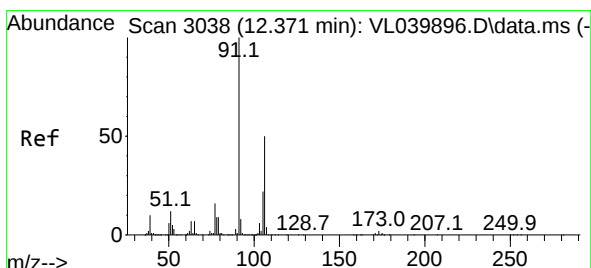
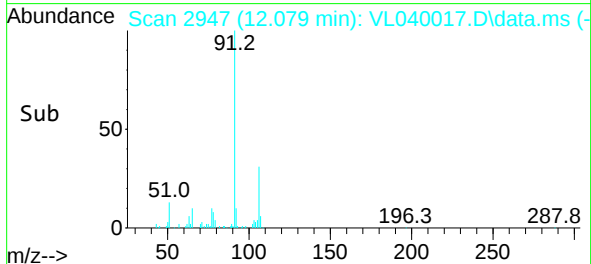
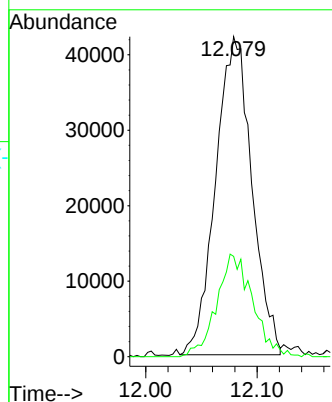
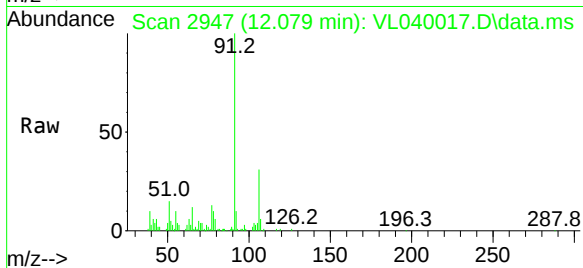
SS-5

Tgt Ion: 91 Resp: 95228

Ion Ratio Lower Upper

91 100

106 31.5 26.1 39.1



#59

m/p-Xylene

Concen: 0.592 ppbv

RT: 12.343 min Scan# 3029

Delta R.T. 0.003 min

Lab File: VL040017.D

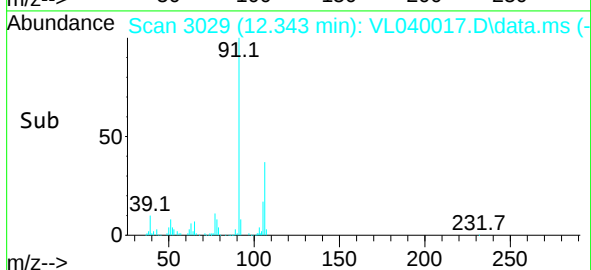
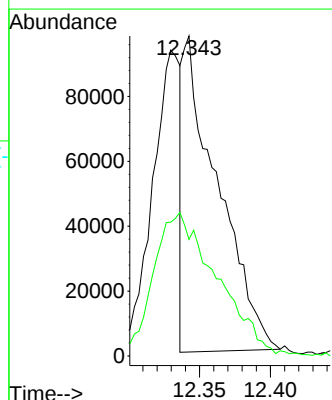
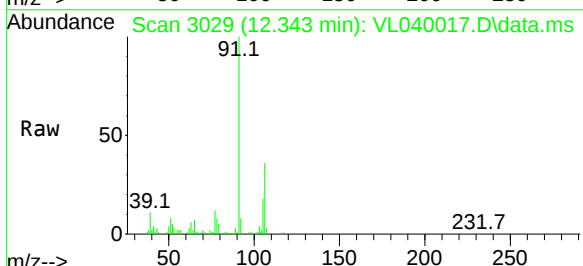
Acq: 13 Dec 2022 22:51

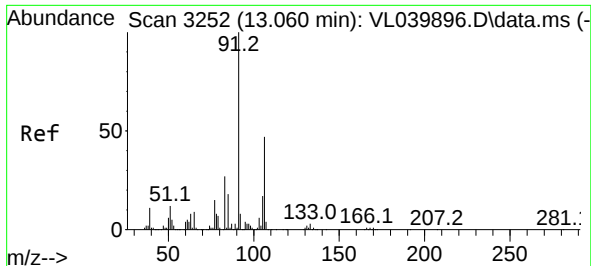
Tgt Ion: 91 Resp: 164587

Ion Ratio Lower Upper

91 100

106 84.4 37.0 55.6#

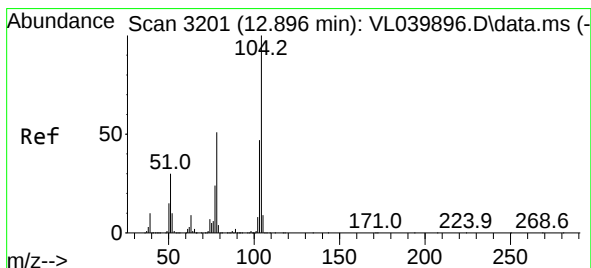
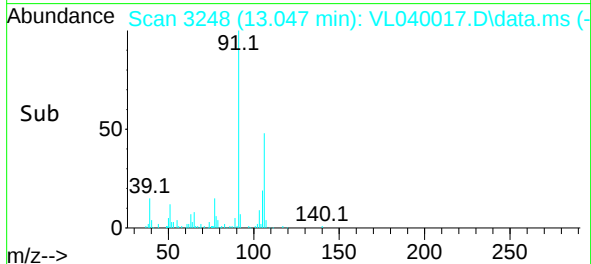
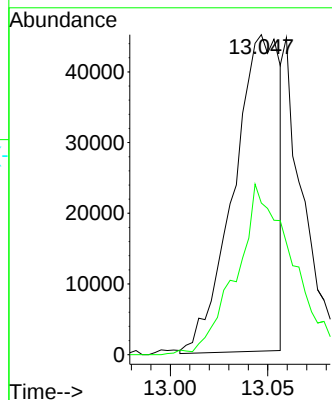
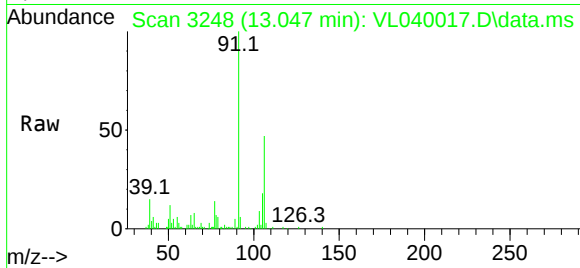




#60
o-Xylene
Concen: 0.276 ppbv
RT: 13.047 min Scan# 3198
Delta R.T. 0.019 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

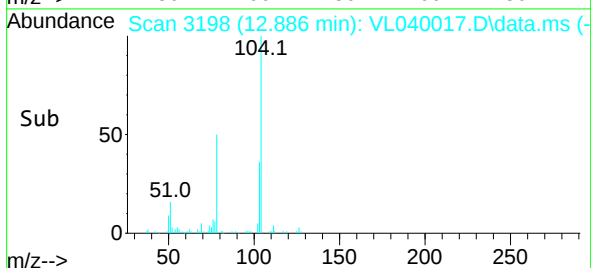
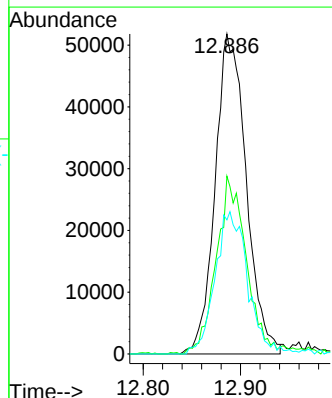
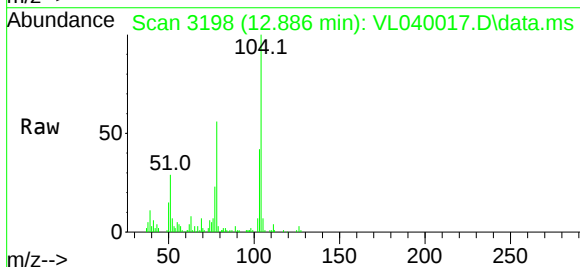
Instrument :
MSVOA_L
ClientSampleId :
SS-5

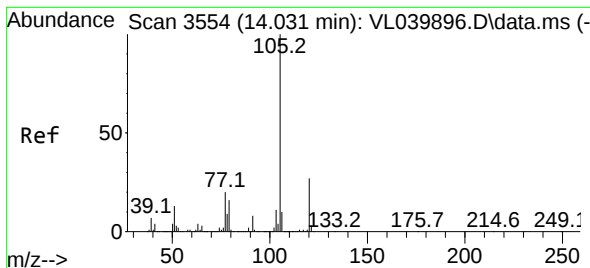
Tgt Ion: 91 Resp: 73312
Ion Ratio Lower Upper
91 100
106 66.9 23.2 69.6



#61
Styrene
Concen: 0.725 ppbv
RT: 12.886 min Scan# 3198
Delta R.T. 0.023 min
Lab File: VL040017.D
Acq: 13 Dec 2022 22:51

Tgt Ion: 104 Resp: 114723
Ion Ratio Lower Upper
104 100
78 54.7 41.8 62.8
103 47.2 37.2 55.8





#62

Isopropylbenzene

Concen: 0.034 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. 0.029 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

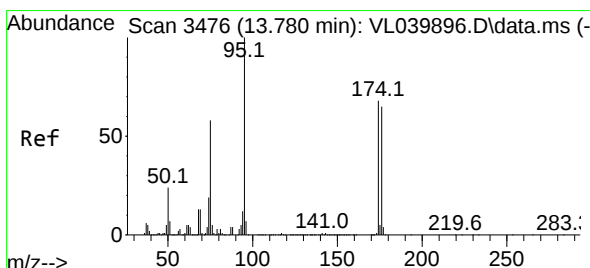
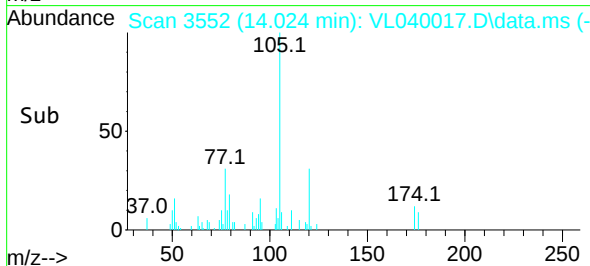
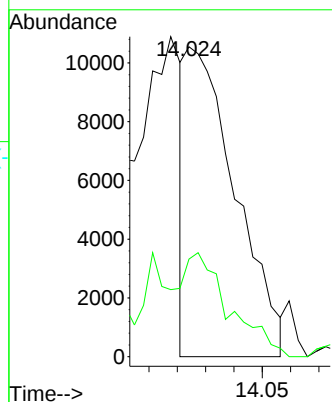
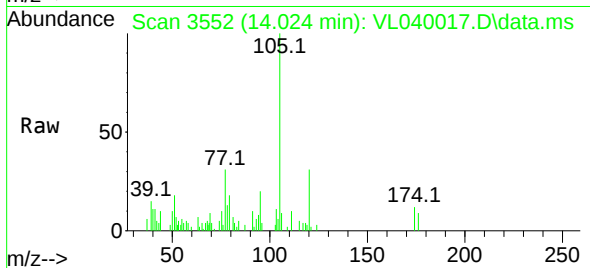
SS-5

Tgt Ion:105 Resp: 12820

Ion Ratio Lower Upper

105 100

120 0.0 21.4 32.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.975 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.026 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

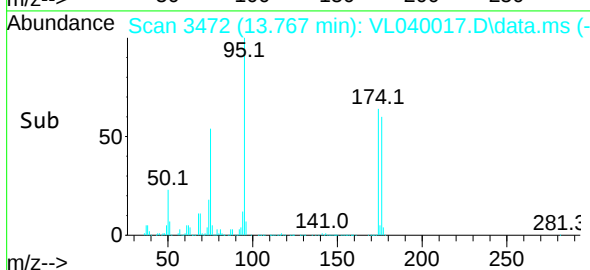
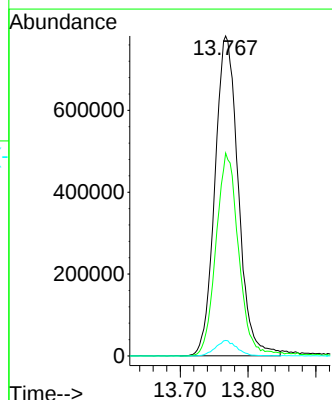
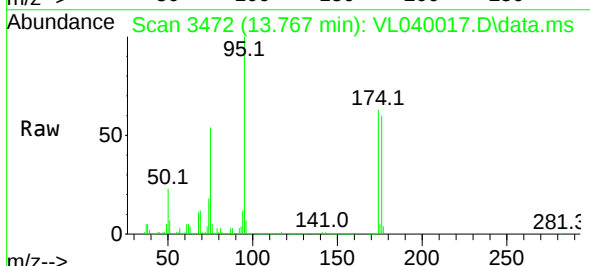
Tgt Ion: 95 Resp: 1866125

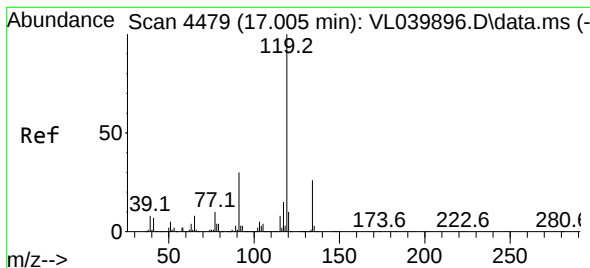
Ion Ratio Lower Upper

95 100

174 62.3 53.7 80.5

175 4.6 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.025 ppbv

RT: 16.995 min Scan# 4479

Delta R.T. 0.029 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Instrument :

MSVOA_L

ClientSampleId :

SS-5

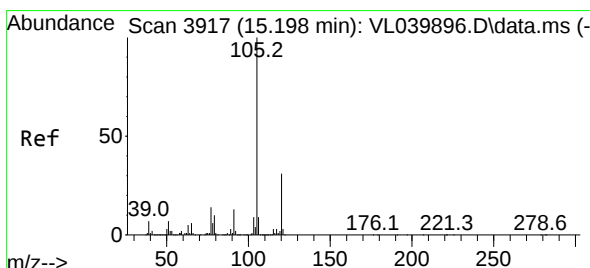
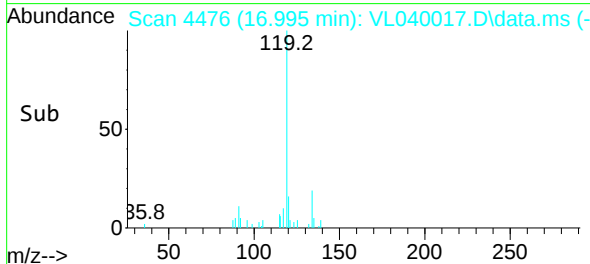
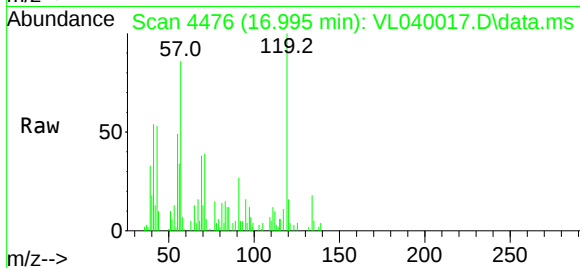
Tgt Ion:119 Resp: 9507

Ion Ratio Lower Upper

119 100

134 0.0 21.0 31.4#

91 0.0 24.4 36.6#



#72

4-Ethyltoluene

Concen: 0.043 ppbv

RT: 15.188 min Scan# 3914

Delta R.T. 0.026 min

Lab File: VL040017.D

Acq: 13 Dec 2022 22:51

Tgt Ion:105 Resp: 12673

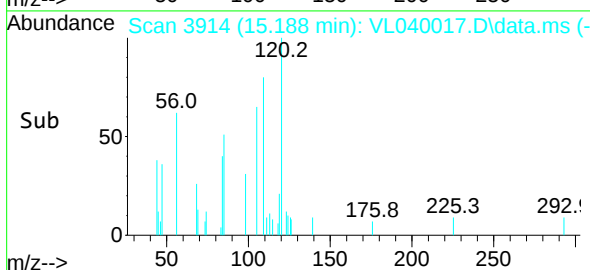
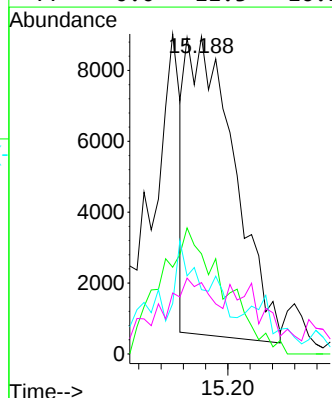
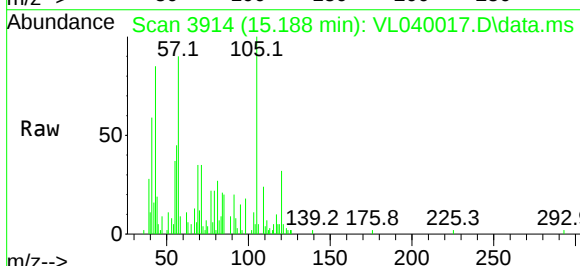
Ion Ratio Lower Upper

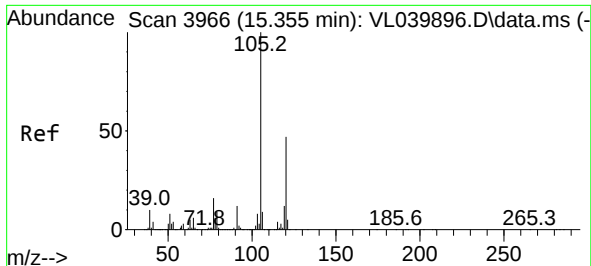
105 100

120 0.0 24.5 36.7#

91 0.0 10.4 15.6#

77 0.0 11.3 16.9#

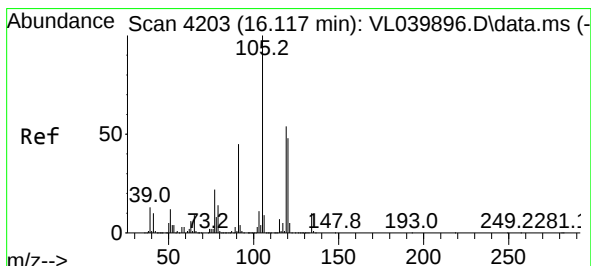
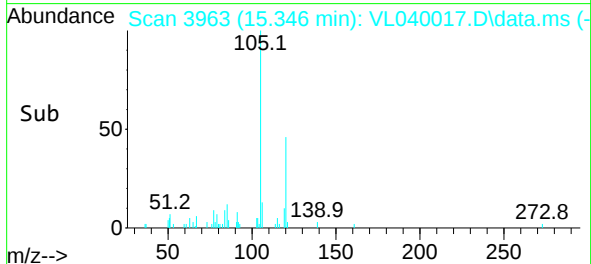
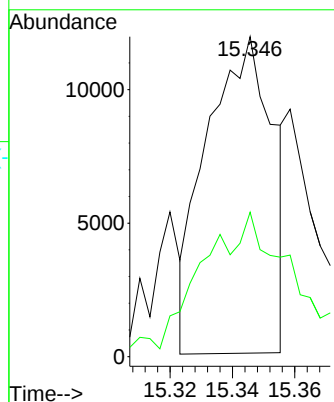
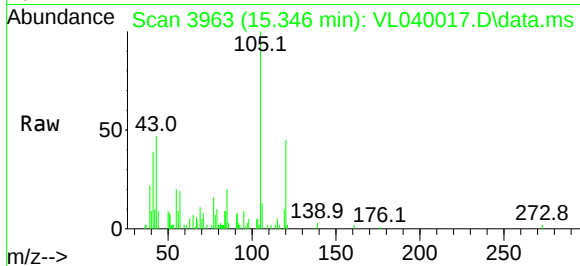




#73
 1,3,5-Trimethylbenzene
 Concen: 0.064 ppbv
 RT: 15.346 min Scan# 3966
 Delta R.T. 0.026 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-5

Tgt Ion:105 Resp: 17423
 Ion Ratio Lower Upper
 105 100
 120 44.6 37.9 56.9



#74
 1,2,4-Trimethylbenzene
 Concen: 0.218 ppbv
 RT: 16.101 min Scan# 4198
 Delta R.T. 0.026 min
 Lab File: VL040017.D
 Acq: 13 Dec 2022 22:51

Tgt Ion:105 Resp: 62899
 Ion Ratio Lower Upper
 105 100
 120 42.0 38.7 58.1
 91 12.6 36.4 54.6#
 77 18.5 17.4 26.0

