

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040178.D
 Acq On : 15 Feb 2023 16:25
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Feb 16 05:17:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	940406	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.655	114	2421512	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2175325	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1789363	10.003	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	18583	0.106	ppbv	90
3) Chlorodifluoromethane	2.661	51	11210	0.100	ppbv	99
4) Chloromethane	2.800	50	6297	0.089	ppbv	94
5) Vinyl Chloride	2.915	62	5182	0.091	ppbv #	65
6) Bromomethane	3.118	94	1510	0.074	ppbv #	52
7) Chloroethane	3.195	64	1553	0.069	ppbv #	69
8) Dichlorotetrafluoroethane	2.845	85	15202	0.101	ppbv	99
9) Propene	2.684	41	4484	0.098	ppbv #	54
10) Heptane	7.584	43	4028	0.037	ppbv #	26
11) Trichlorofluoromethane	3.555	101	15746	0.100	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.060	101	10755	0.093	ppbv	97
13) Ethanol	3.247	45	427	0.101	ppbv #	41
15) Acetone	3.485	43	15299	0.135	ppbv #	88
16) 1,3-Butadiene	2.973	39	4125	0.080	ppbv	88
18) 1,1-Dichloroethene	3.877	96	4828	0.096	ppbv #	75
20) Methylene Chloride	3.925	84	12765	0.217	ppbv #	84
21) Allyl Chloride	3.996	41	6820	0.098	ppbv	87
22) trans-1,2-Dichloroethene	4.443	96	3382	0.065	ppbv	82
23) Vinyl Acetate	4.626	43	961	0.028	ppbv #	71
24) 1,1-Dichloroethane	4.558	63	10917	0.102	ppbv #	94
25) Ethyl Acetate	5.211	43	7357	0.035	ppbv #	74
26) Hexane	5.211	57	8295	0.092	ppbv #	92
27) Carbon Disulfide	4.124	76	6117	0.053	ppbv #	19
28) Methyl tert-Butyl Ether	4.607	73	6990	0.072	ppbv #	83
29) Chloroform	5.272	83	10691	0.069	ppbv	96
30) Cyclohexane	6.610	84	2367	0.033	ppbv #	1
31) cis-1,2-Dichloroethene	5.076	61	5956	0.069	ppbv	88
32) 1,1,1-Trichloroethane	6.002	97	13732	0.094	ppbv	98
36) Benzene	6.375	78	14611	0.078	ppbv #	85
37) 1,2-Dichloroethane	5.803	62	5323	0.045	ppbv #	82
38) Trichloroethene	7.298	130	3888	0.037	ppbv	84
39) 1,2-Dichloropropane	6.652	63	616673	8.412	ppbv #	25
42) Bromodichloromethane	7.250	83	6895	0.042	ppbv #	82
43) Methyl Methacrylate	7.488	69	2203	0.032	ppbv #	1
44) 2,2,4-Trimethylpentane	7.327	57	11388	0.036	ppbv #	43
45) t-1,3-Dichloropropene	8.713	75	1446	0.023	ppbv #	82
48) Dibromochloromethane	9.716	129	4773	0.038	ppbv #	10
49) Bromoform	12.420	173	3963	0.040	ppbv #	44
50) 4-Methyl-2-Pentanone	8.208	43	4252	0.023	ppbv #	38
52) Tetrachloroethene	10.629	164	4115	0.070	ppbv	82
54) 1,2-Dibromoethane	10.021	107	3963	0.048	ppbv #	56
56) 1,1,1,2-Tetrachloroethane	11.513	131	7459	0.082	ppbv #	62
57) Chlorobenzene	11.536	112	14166	0.089	ppbv #	87

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Quant Time: Feb 16 05:17:31 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

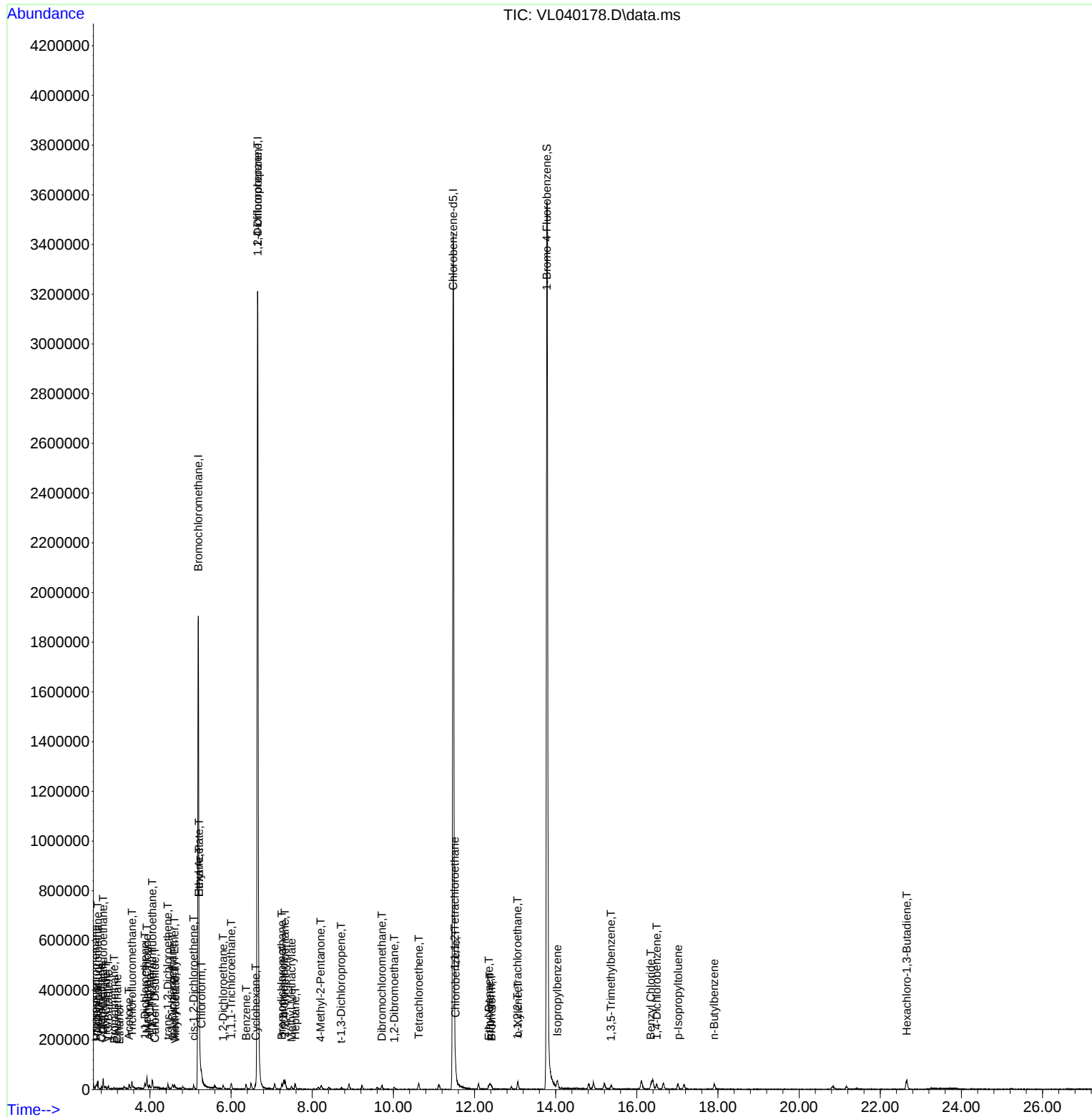
58) Ethyl Benzene	12.356	91	7325	0.028	ppbv	97
59) m/p-Xylene	12.378	91	5682	0.024	ppbv #	1
60) o-Xylene	13.069	91	6737	0.030	ppbv #	52
62) Isopropylbenzene	14.040	105	9121	0.028	ppbv #	20
63) 1,1,2,2-Tetrachloroethane	13.056	83	3597	0.044	ppbv #	24
66) Benzyl Chloride	16.346	91	575	0.031	ppbv #	67
69) p-Isopropyltoluene	17.018	119	8235	0.026	ppbv #	67
70) n-Butylbenzene	17.905	91	7532	0.022	ppbv #	24
73) 1,3,5-Trimethylbenzene	15.365	105	6604	0.029	ppbv #	34
76) 1,4-Dichlorobenzene	16.490	146	4506	0.033	ppbv #	23
78) Hexachloro-1,3-Butadiene	22.654	225	6139	0.065	ppbv #	62

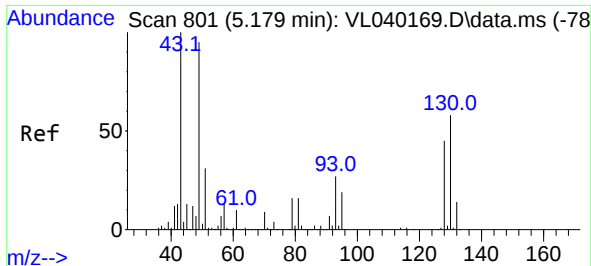
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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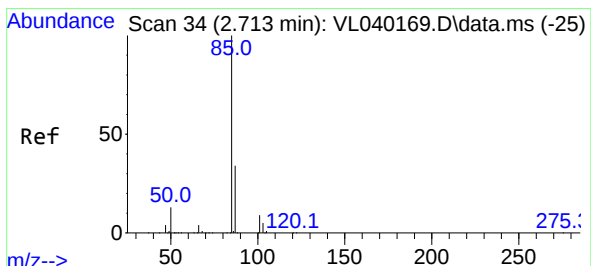
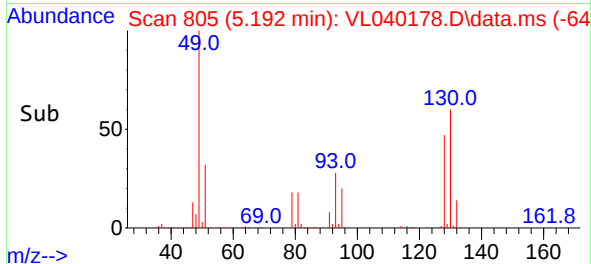
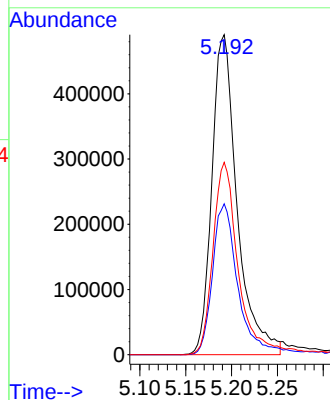
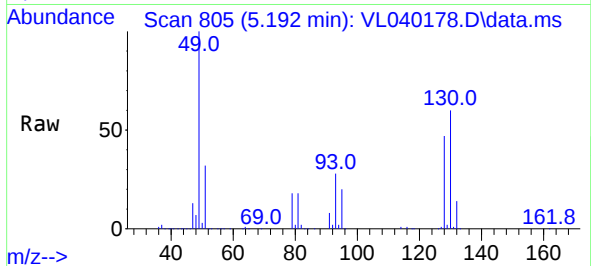




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

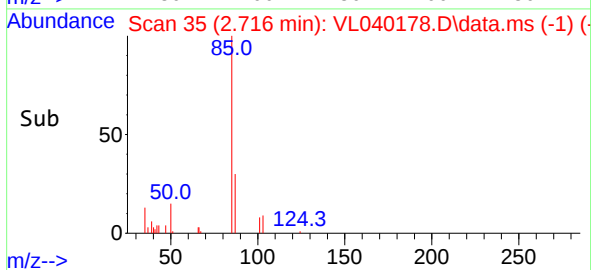
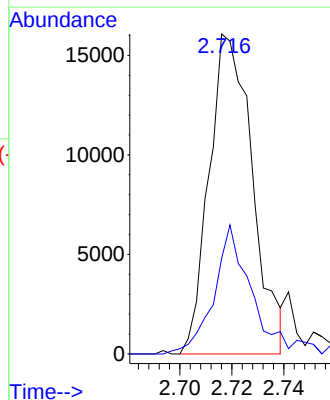
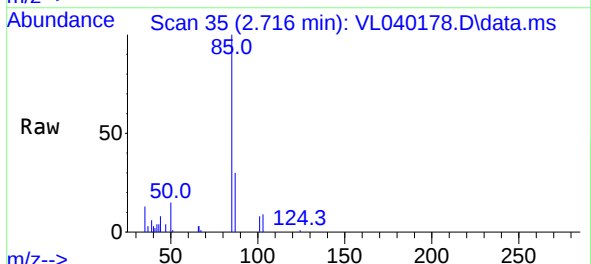
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

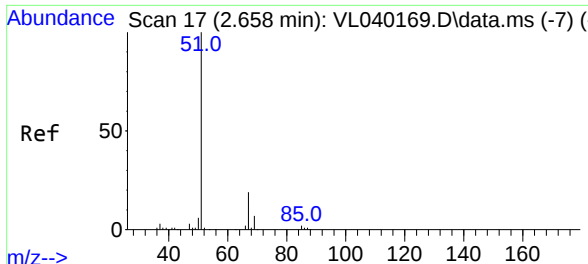
Tgt Ion: 49 Resp: 940406
Ion Ratio Lower Upper
49 100
128 49.0 24.1 72.3
130 62.6 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.106 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 85 Resp: 18583
Ion Ratio Lower Upper
85 100
87 28.2 27.0 40.6

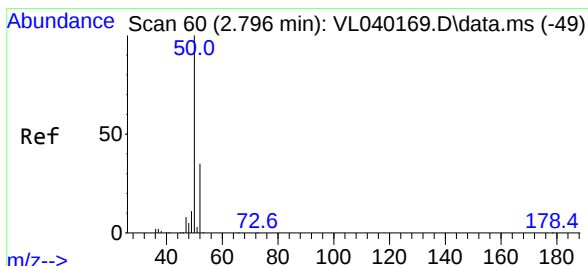
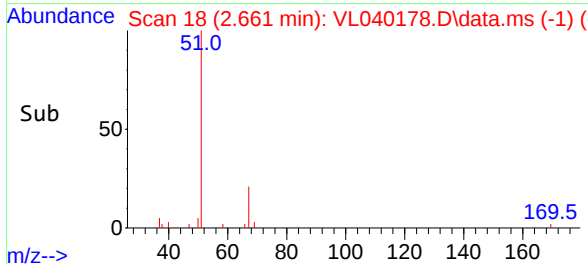
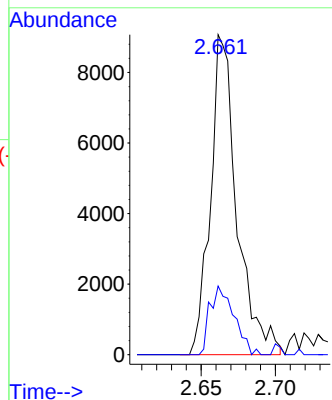
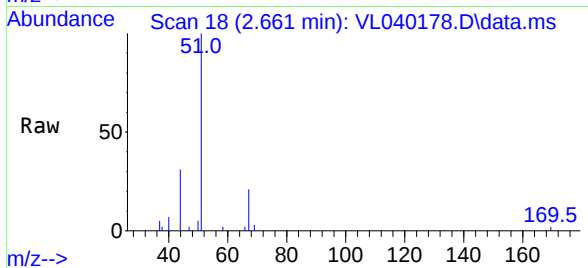




#3
Chlorodifluoromethane
Concen: 0.100 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

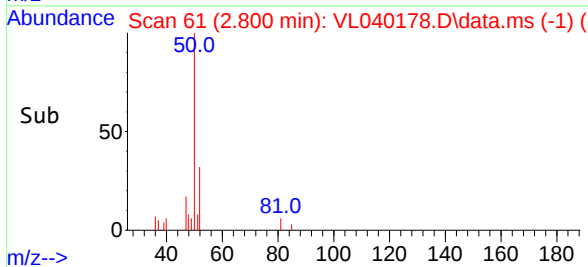
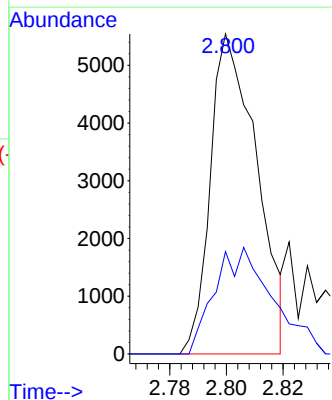
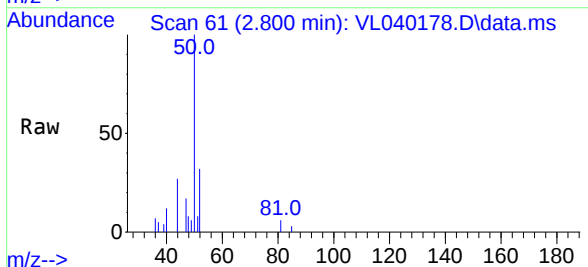
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 51 Resp: 11210
Ion Ratio Lower Upper
51 100
67 19.6 15.4 23.2

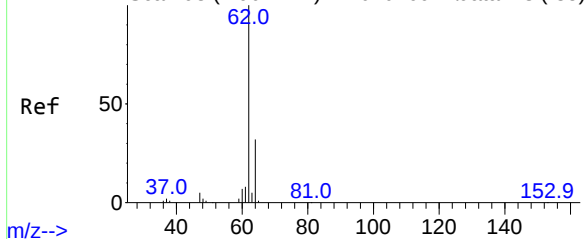


#4
Chloromethane
Concen: 0.089 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 50 Resp: 6297
Ion Ratio Lower Upper
50 100
52 32.0 28.3 42.5



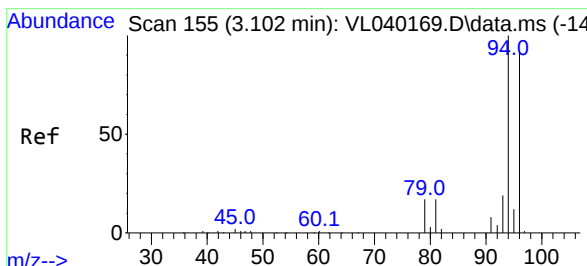
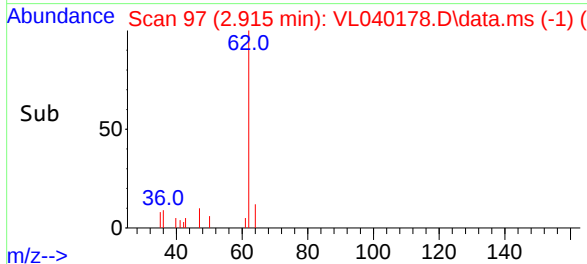
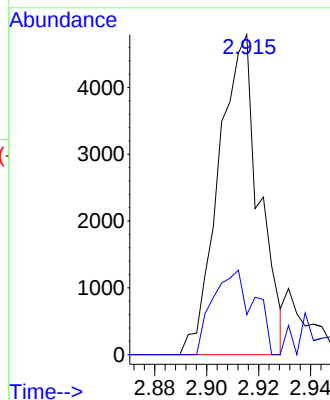
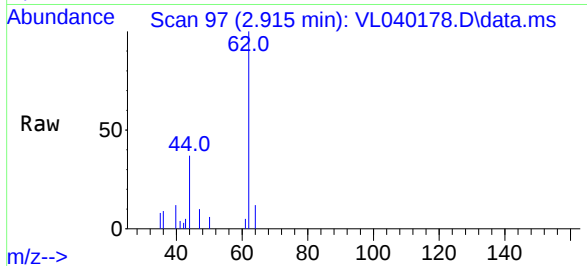
Abundance Scan 93 (2.902 min): VL040169.D\data.ms (-85)



#5
Vinyl Chloride
Concen: 0.091 ppbv
RT: 2.915 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

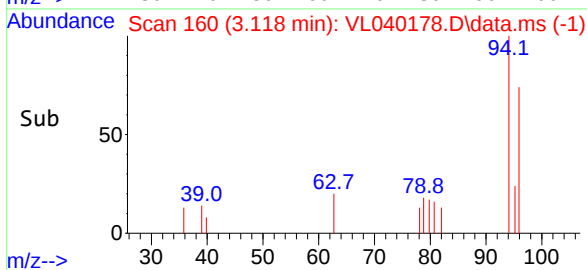
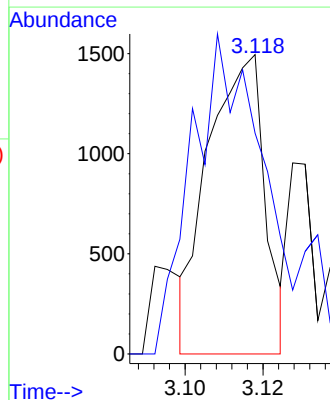
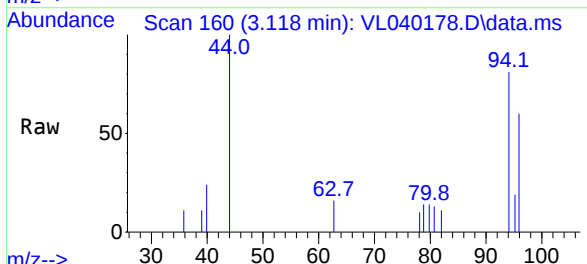
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

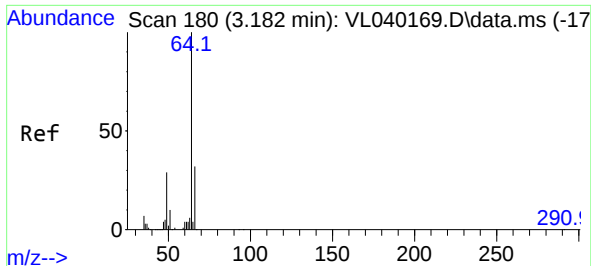
Tgt Ion: 62 Resp: 5182
Ion Ratio Lower Upper
62 100
64 12.5 25.6 38.4#



#6
Bromomethane
Concen: 0.074 ppbv
RT: 3.118 min Scan# 160
Delta R.T. 0.016 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 94 Resp: 1510
Ion Ratio Lower Upper
94 100
96 45.8 73.4 110.2#

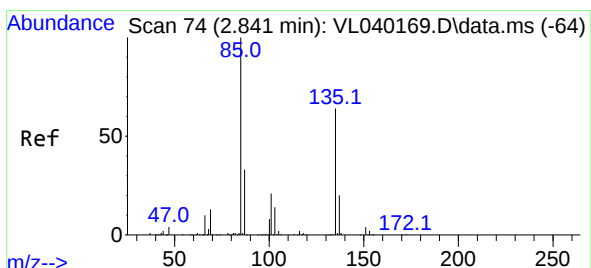
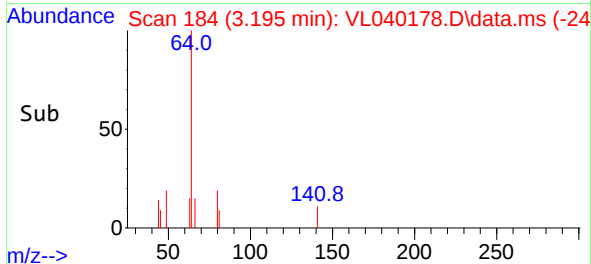
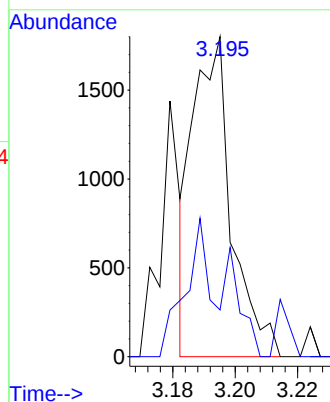
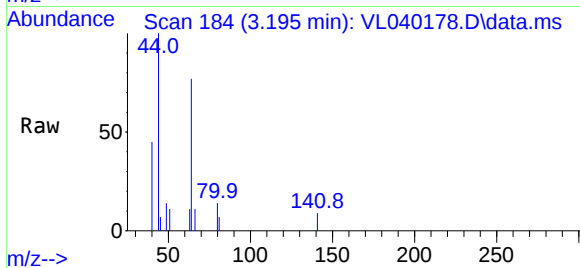




#7
Chloroethane
Concen: 0.069 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

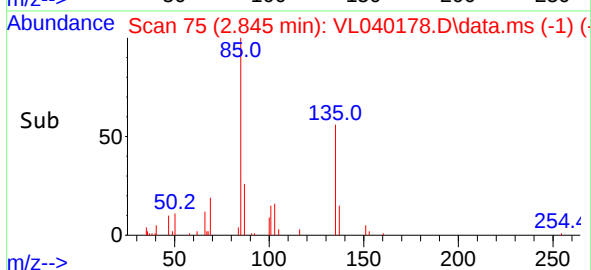
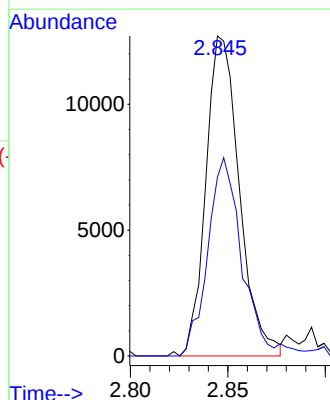
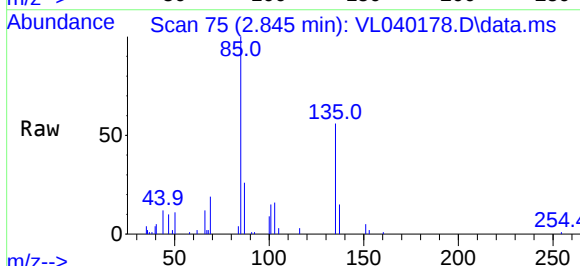
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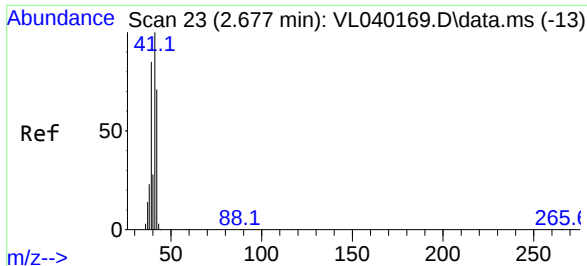
Tgt Ion: 64 Resp: 1553
Ion Ratio Lower Upper
64 100
66 14.6 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.101 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 85 Resp: 15202
Ion Ratio Lower Upper
85 100
135 65.0 51.5 77.3

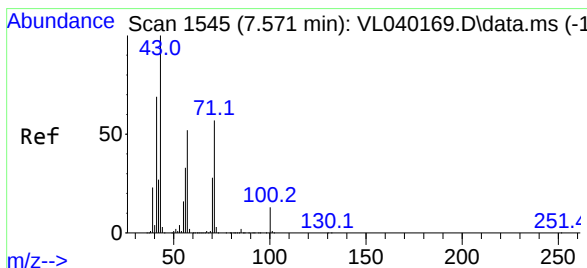
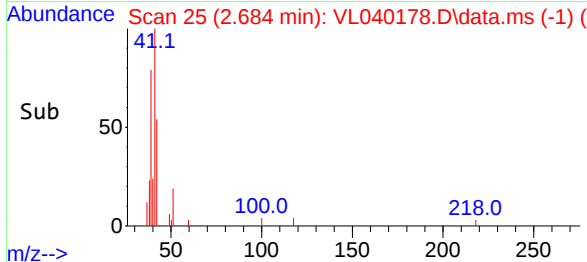
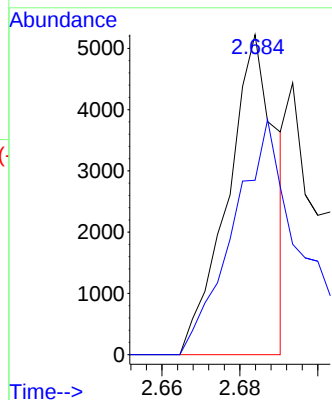
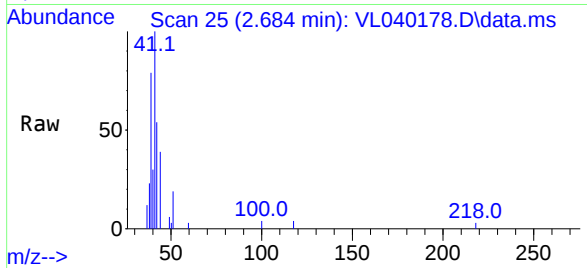




#9
 Propene
 Concen: 0.098 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VL040178.D
 Acq: 15 Feb 2023 16:25

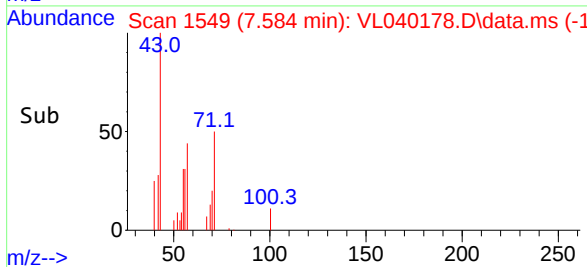
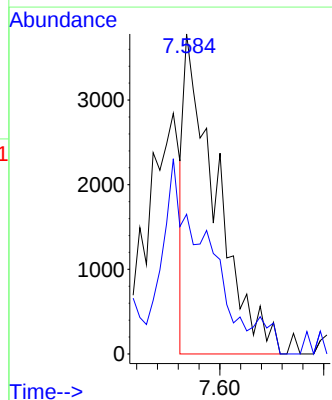
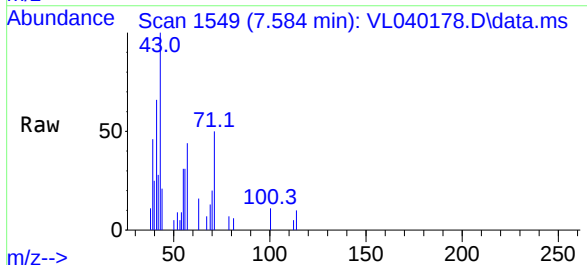
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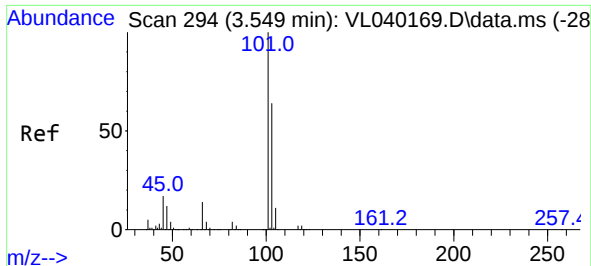
Tgt Ion: 41 Resp: 4484
 Ion Ratio Lower Upper
 41 100
 42 109.1 56.9 85.3#



#10
 Heptane
 Concen: 0.037 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.013 min
 Lab File: VL040178.D
 Acq: 15 Feb 2023 16:25

Tgt Ion: 43 Resp: 4028
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.2#

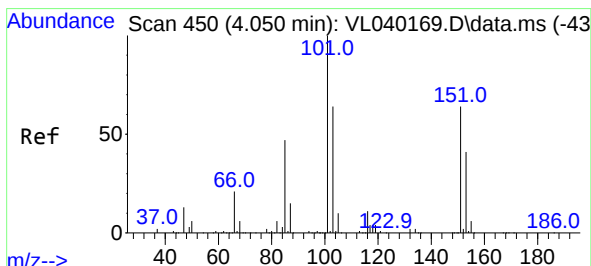
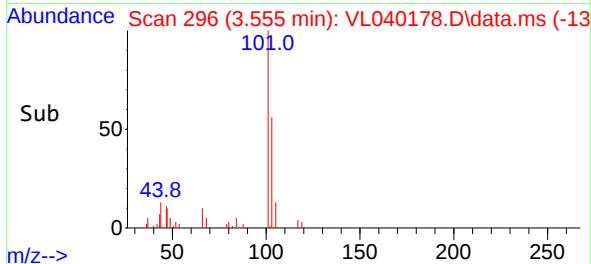
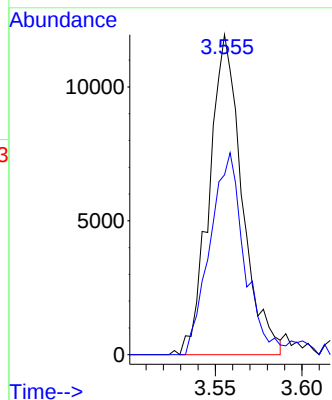
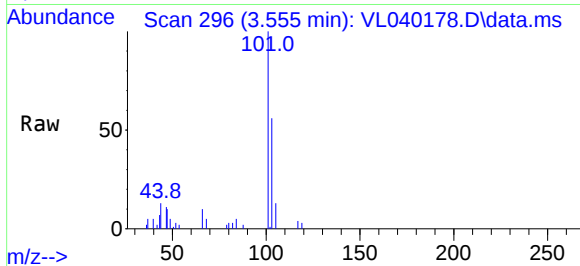




#11
Trichlorofluoromethane
Concen: 0.100 ppbv
RT: 3.555 min Scan# 294
Delta R.T. 0.007 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

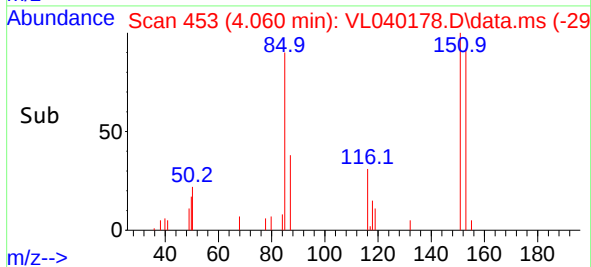
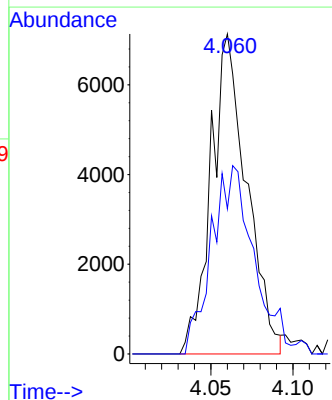
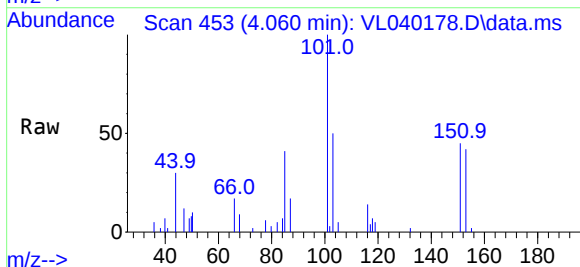
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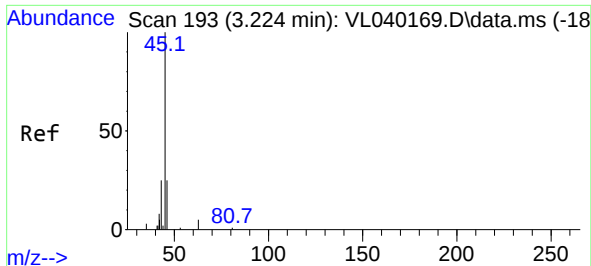
Tgt Ion:101 Resp: 15746
Ion Ratio Lower Upper
101 100
103 56.2 51.0 76.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.093 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion:101 Resp: 10755
Ion Ratio Lower Upper
101 100
151 70.9 54.7 82.1

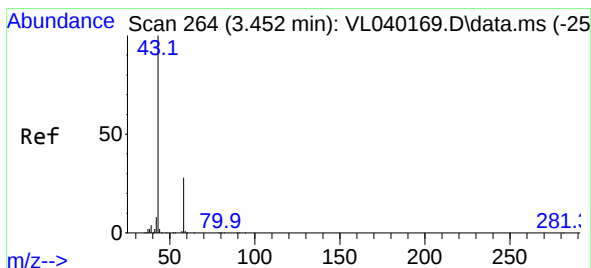
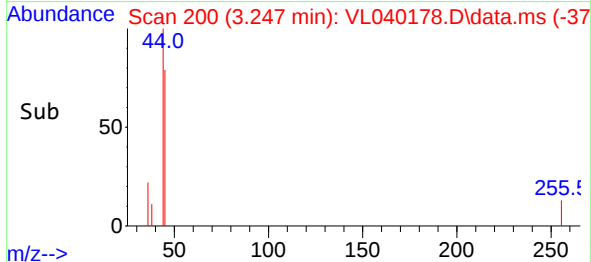
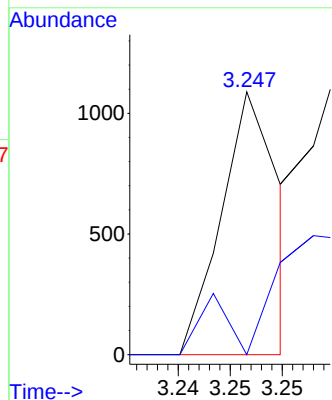
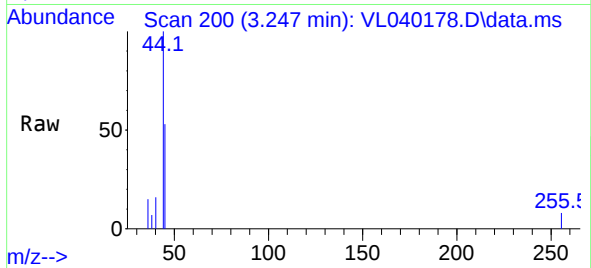




#13
Ethanol
Concen: 0.101 ppbv
RT: 3.247 min Scan# 20
Delta R.T. 0.023 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

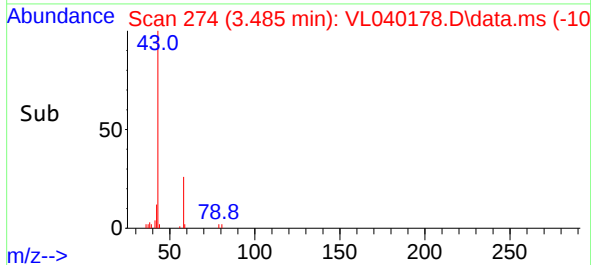
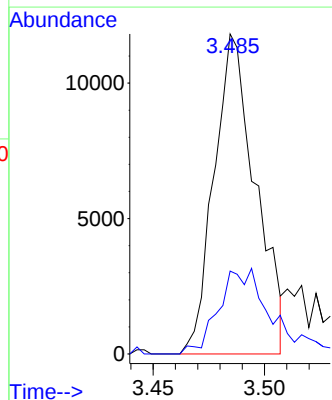
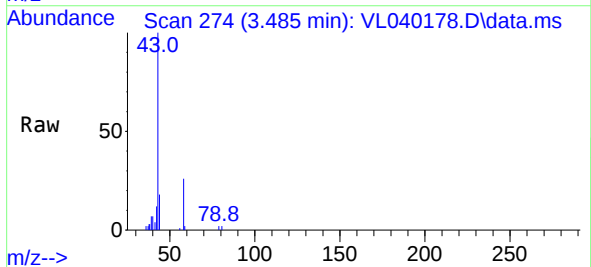
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

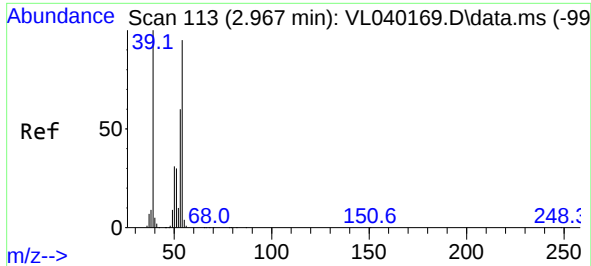
Tgt Ion: 45 Resp: 427
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1#



#15
Acetone
Concen: 0.135 ppbv
RT: 3.485 min Scan# 274
Delta R.T. 0.032 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 43 Resp: 15299
Ion Ratio Lower Upper
43 100
58 34.4 22.4 33.6#

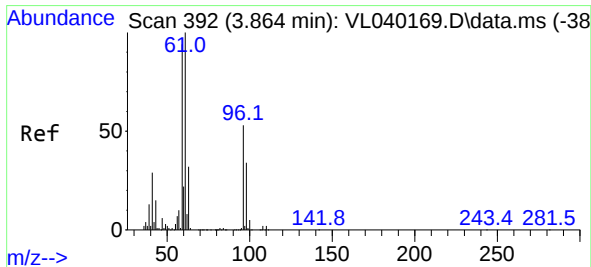
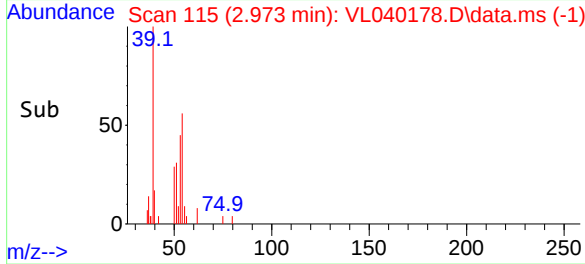
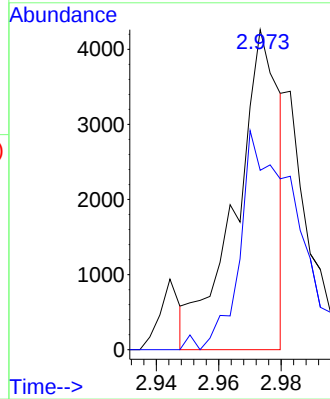
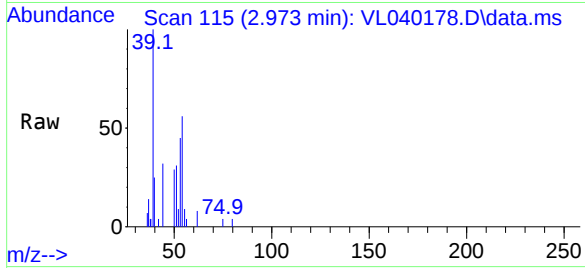




#16
1,3-Butadiene
Concen: 0.080 ppbv
RT: 2.973 min Scan# 113
Delta R.T. 0.007 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

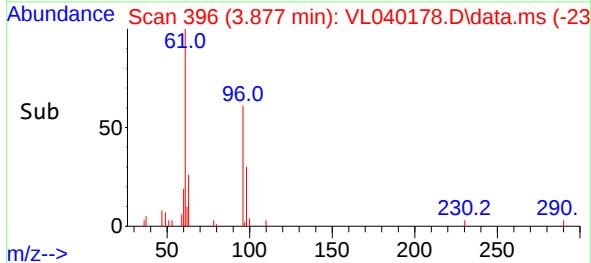
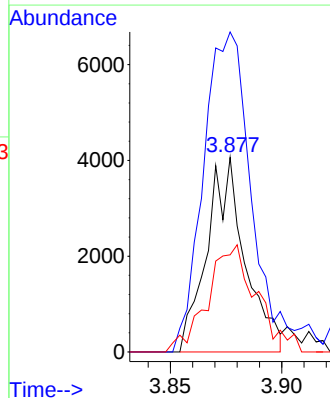
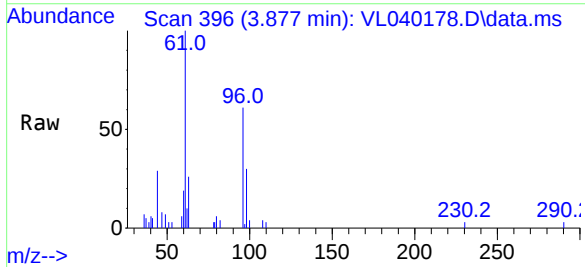
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

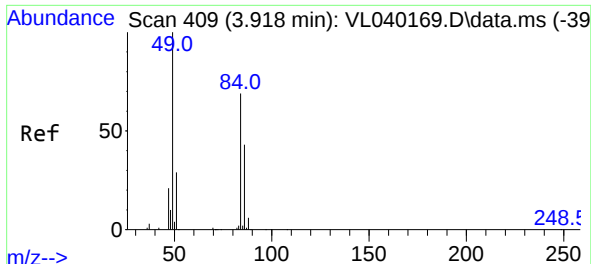
Tgt Ion: 39 Resp: 4125
Ion Ratio Lower Upper
39 100
54 94.4 66.7 100.1



#18
1,1-Dichloroethene
Concen: 0.096 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 96 Resp: 4828
Ion Ratio Lower Upper
96 100
61 152.2 149.6 224.4
98 41.3 51.1 76.7#

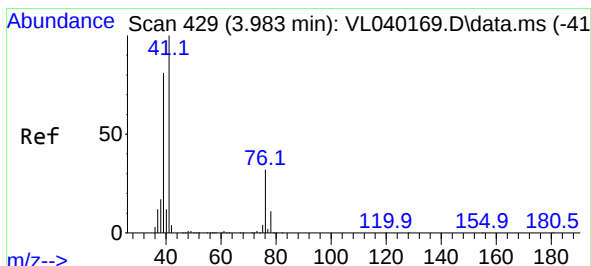
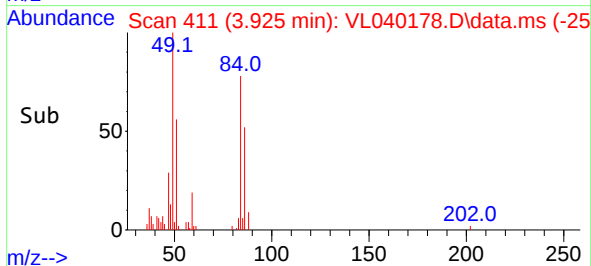
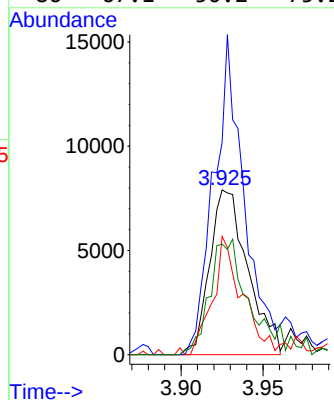
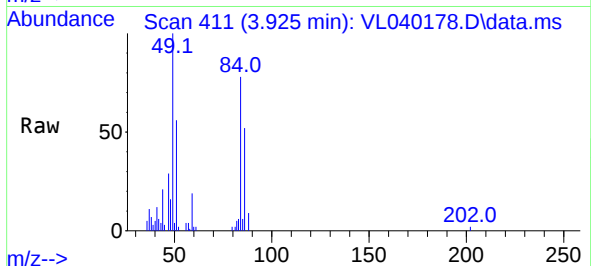




#20
Methylene Chloride
Concen: 0.217 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

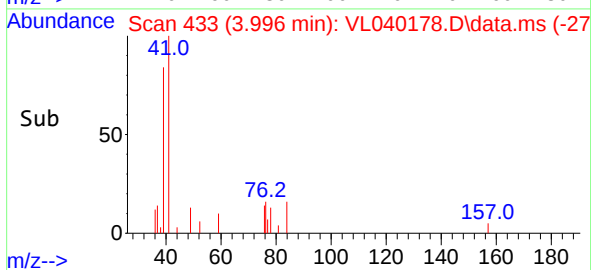
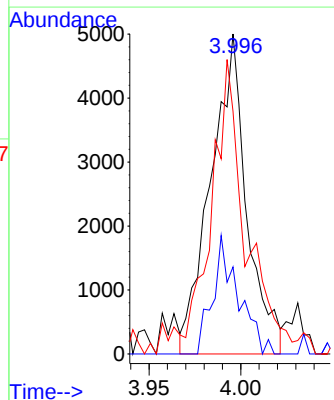
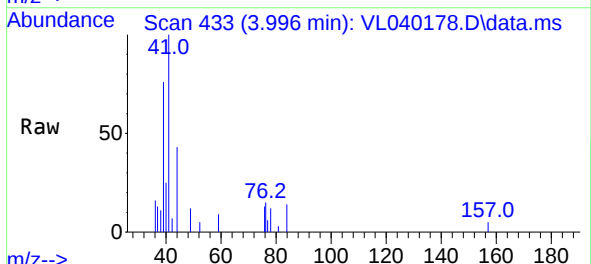
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

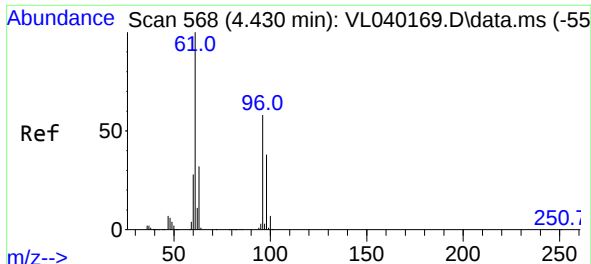
Tgt Ion: 84 Resp: 12765
Ion Ratio Lower Upper
84 100
49 129.0 115.5 173.3
51 67.5 33.1 49.7#
86 67.1 50.2 75.2



#21
Allyl Chloride
Concen: 0.098 ppbv
RT: 3.996 min Scan# 433
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 41 Resp: 6820
Ion Ratio Lower Upper
41 100
76 26.5 25.5 38.3
39 92.9 64.5 96.7

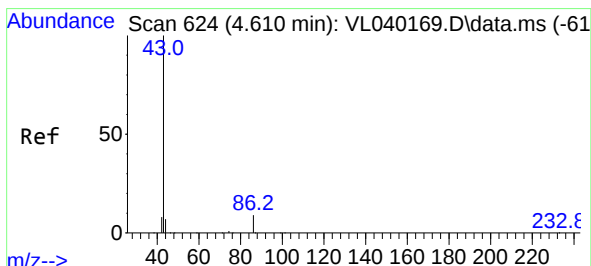
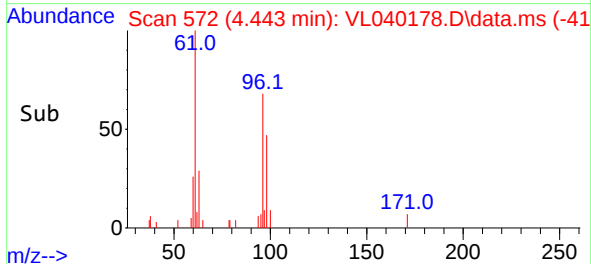
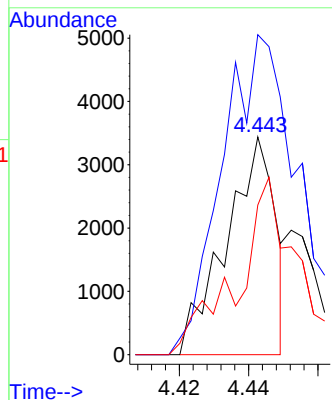
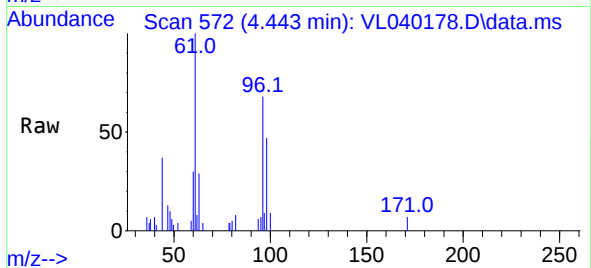




#22
trans-1,2-Dichloroethene
Concen: 0.065 ppbv
RT: 4.443 min Scan# 51
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

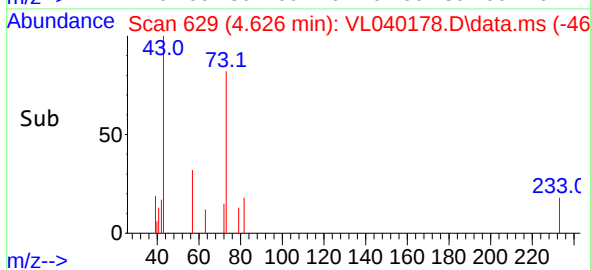
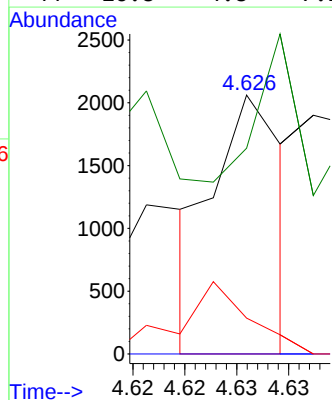
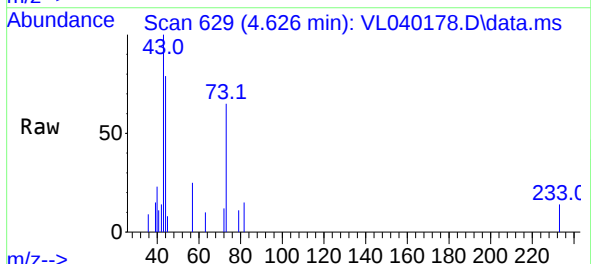
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

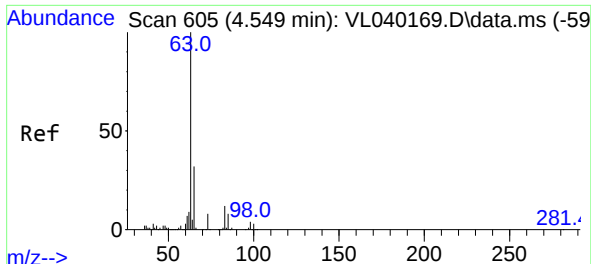
Tgt Ion: 96 Resp: 3382
Ion Ratio Lower Upper
96 100
61 139.3 137.5 206.3
98 63.5 52.8 79.2



#23
Vinyl Acetate
Concen: 0.028 ppbv
RT: 4.626 min Scan# 629
Delta R.T. 0.016 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
86 0.0 5.6 8.4#
42 14.6 7.6 11.4#
44 26.8 4.8 7.2#

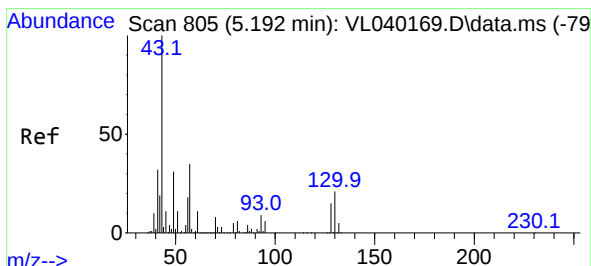
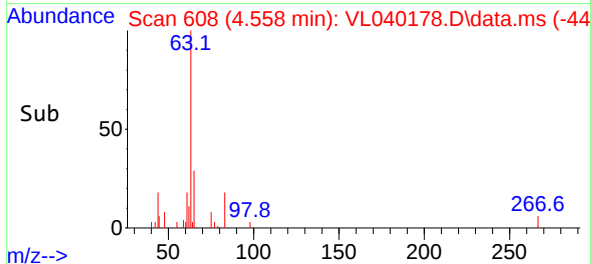
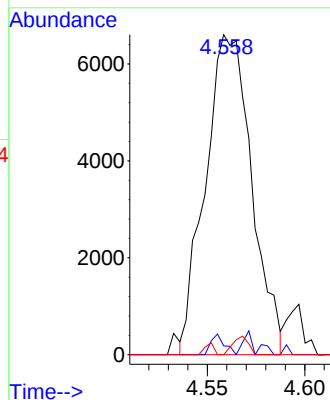
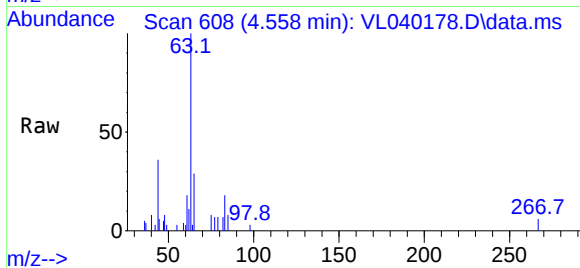




#24
1,1-Dichloroethane
Concen: 0.102 ppbv
RT: 4.558 min Scan# 605
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

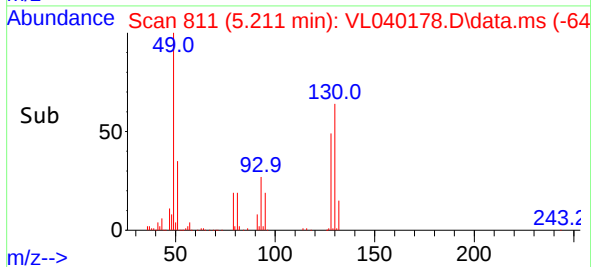
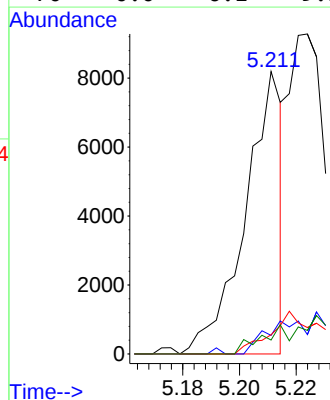
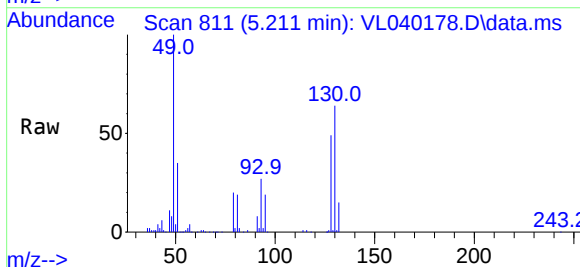
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

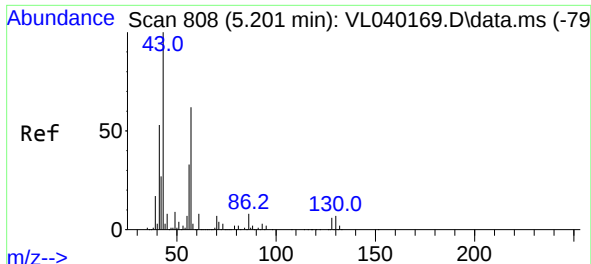
Tgt Ion: 63 Resp: 10917
Ion Ratio Lower Upper
63 100
98 2.9 2.3 6.8
100 0.0 1.4 4.0#



#25
Ethyl Acetate
Concen: 0.035 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.019 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 43 Resp: 7357
Ion Ratio Lower Upper
43 100
45 0.0 8.3 12.5#
61 0.0 8.4 12.6#
70 0.0 6.1 9.1#

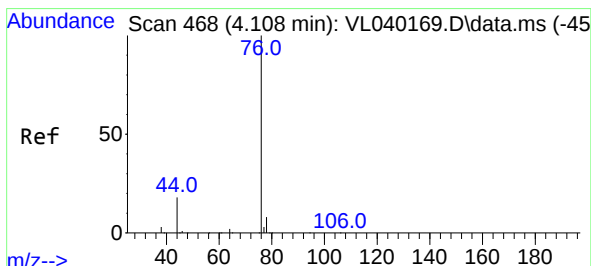
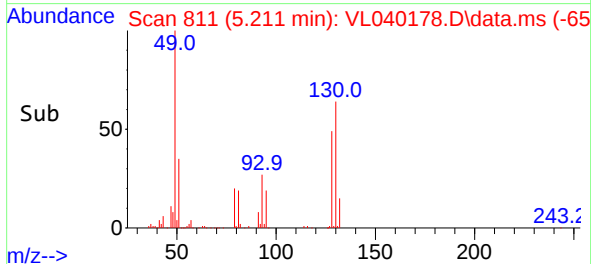
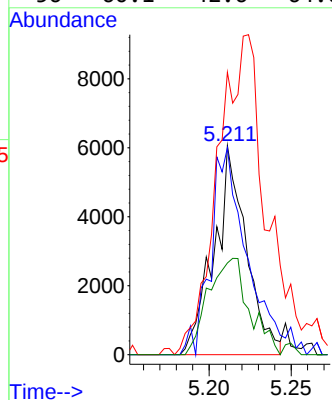
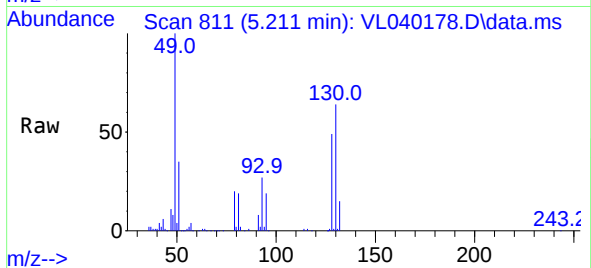




#26
Hexane
Concen: 0.092 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

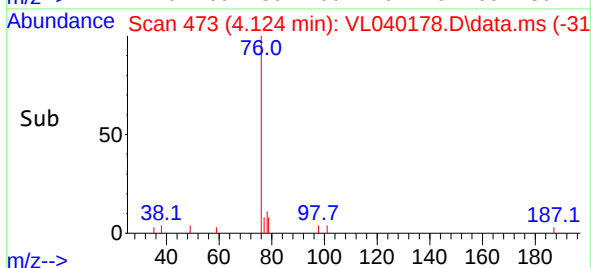
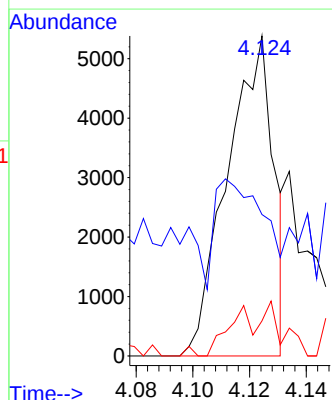
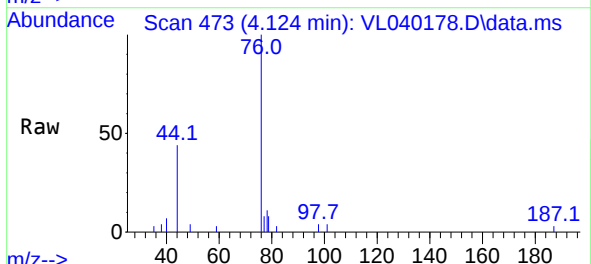
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

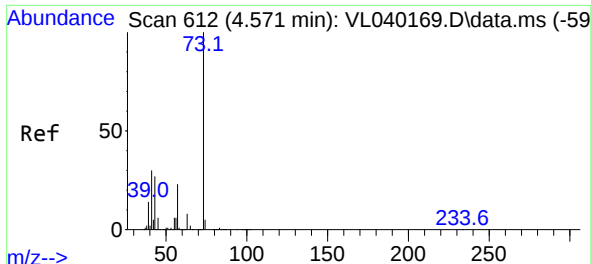
Tgt Ion: 57 Resp: 8295
Ion Ratio Lower Upper
57 100
41 114.4 74.3 111.5#
43 245.4 193.0 289.4
56 60.1 42.6 64.0



#27
Carbon Disulfide
Concen: 0.053 ppbv
RT: 4.124 min Scan# 473
Delta R.T. 0.016 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 76 Resp: 6117
Ion Ratio Lower Upper
76 100
44 64.4 15.3 22.9#
78 25.4 7.7 11.5#





#28

Methyl tert-Butyl Ether

Concen: 0.072 ppbv

RT: 4.607 min Scan# 61

Delta R.T. 0.035 min

Lab File: VL040178.D

Acq: 15 Feb 2023 16:25

Instrument :

MSVOA_L

ClientSampleId :

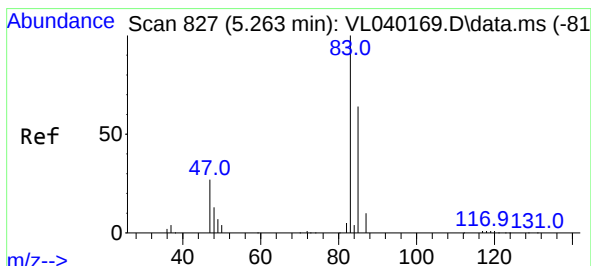
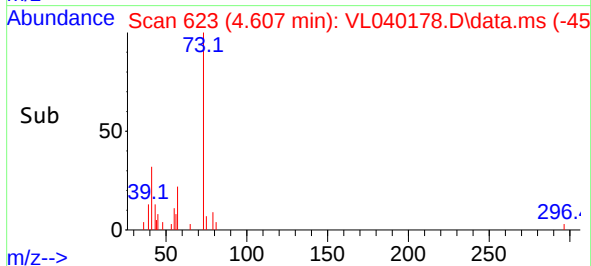
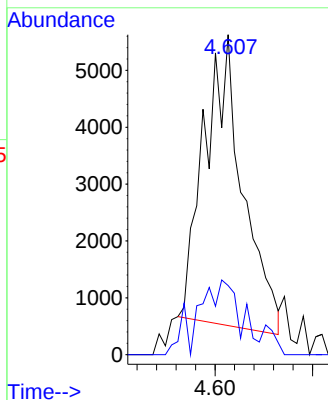
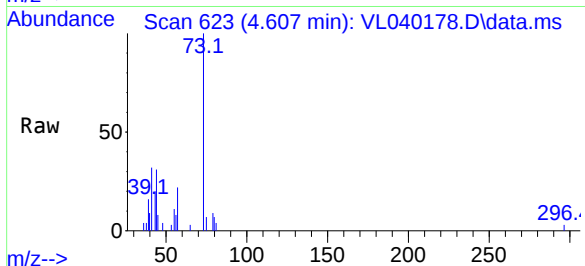
VSTDIC0.1

Tgt Ion: 73 Resp: 6990

Ion Ratio Lower Upper

73 100

57 31.9 18.8 28.2#



#29

Chloroform

Concen: 0.069 ppbv

RT: 5.272 min Scan# 830

Delta R.T. 0.010 min

Lab File: VL040178.D

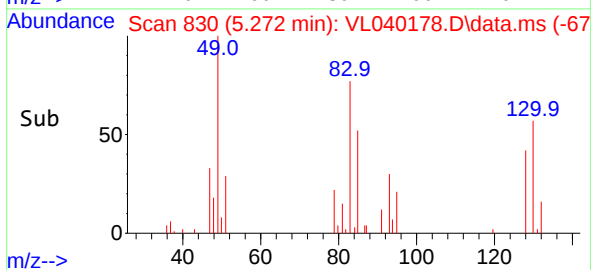
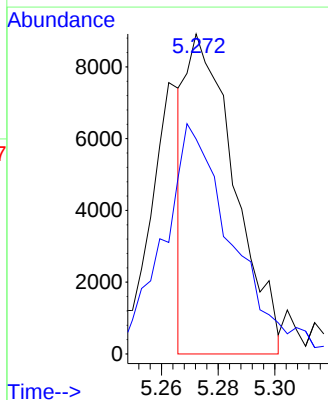
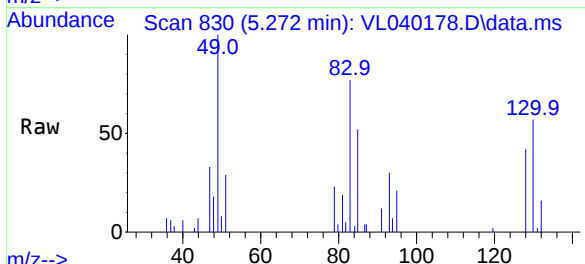
Acq: 15 Feb 2023 16:25

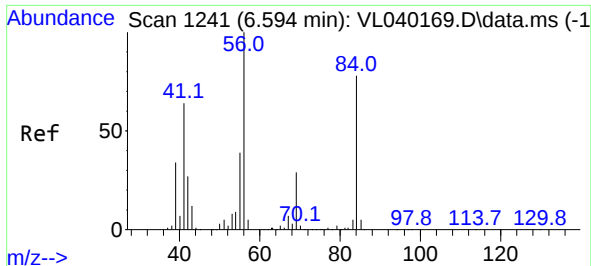
Tgt Ion: 83 Resp: 10691

Ion Ratio Lower Upper

83 100

85 61.0 51.5 77.3

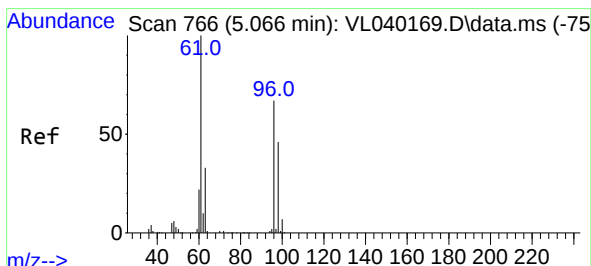
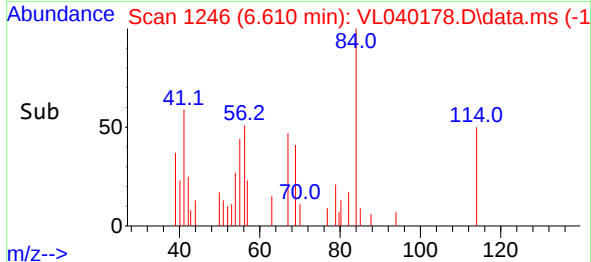
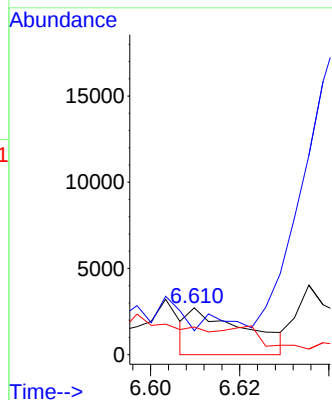
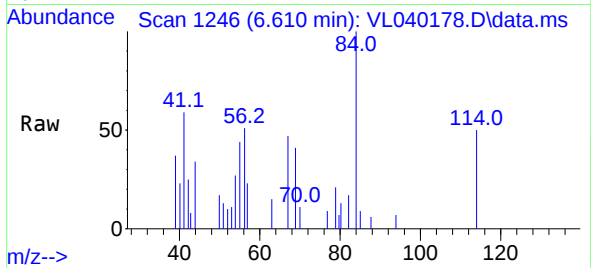




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 6.610 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

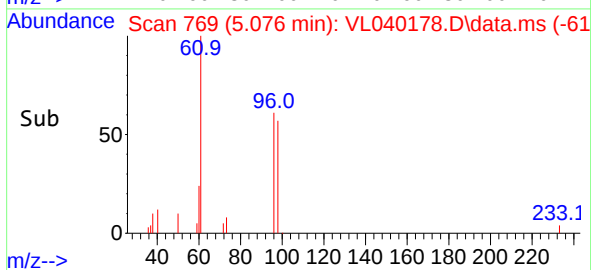
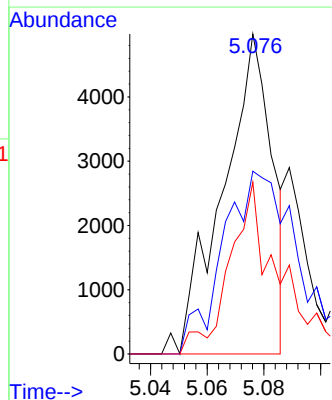
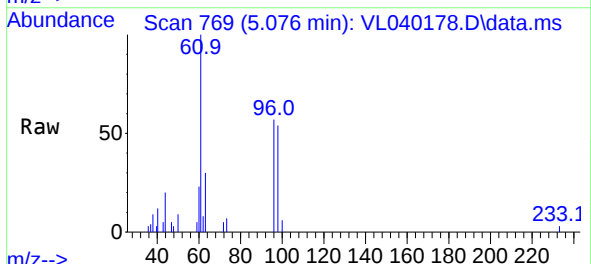
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

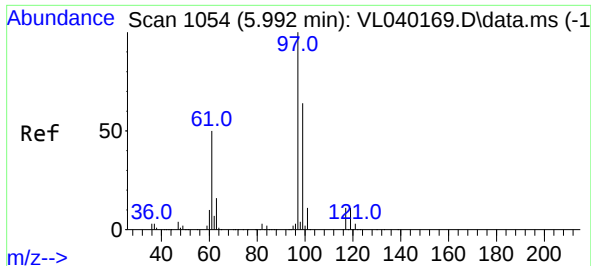
Tgt Ion: 84 Resp: 2367
Ion Ratio Lower Upper
84 100
56 0.0 109.9 164.9#
41 0.0 67.8 101.6#



#31
cis-1,2-Dichloroethene
Concen: 0.069 ppbv
RT: 5.076 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 61 Resp: 5956
Ion Ratio Lower Upper
61 100
96 57.1 53.7 80.5
98 53.7 36.4 54.6





#32

1,1,1-Trichloroethane

Concen: 0.094 ppbv

RT: 6.002 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040178.D

Acq: 15 Feb 2023 16:25

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

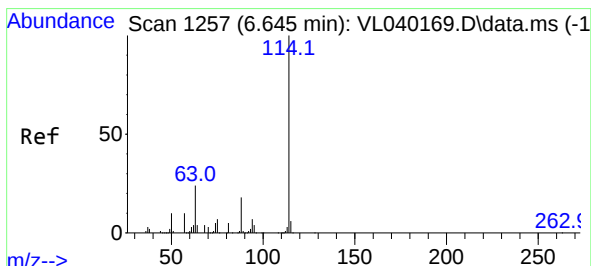
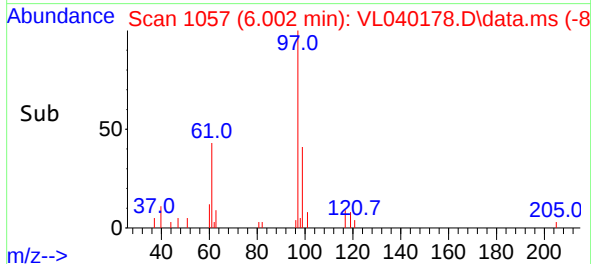
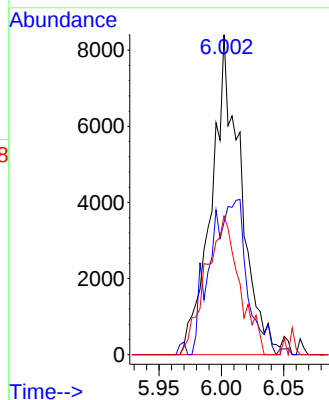
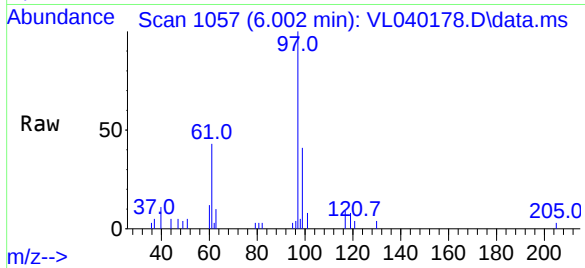
Tgt Ion: 97 Resp: 13732

Ion Ratio Lower Upper

97 100

99 62.6 51.5 77.3

61 49.7 40.6 60.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. 0.010 min

Lab File: VL040178.D

Acq: 15 Feb 2023 16:25

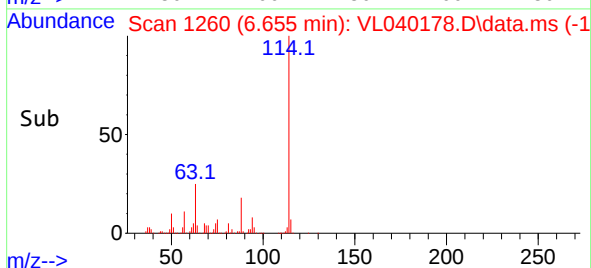
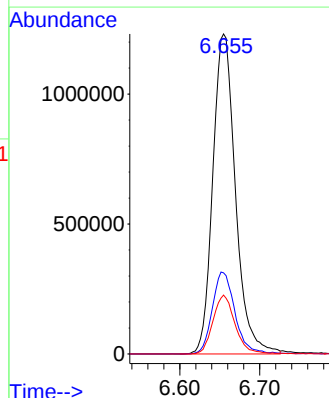
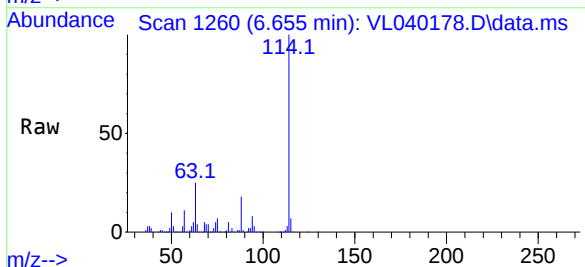
Tgt Ion: 114 Resp: 2421512

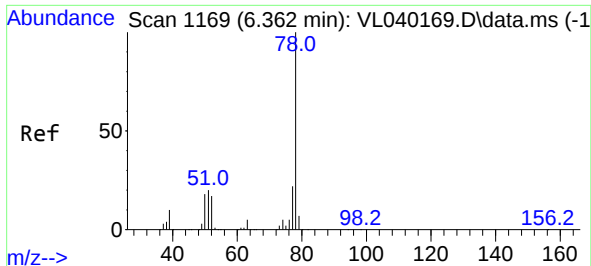
Ion Ratio Lower Upper

114 100

63 25.8 20.4 30.6

88 18.1 14.3 21.5

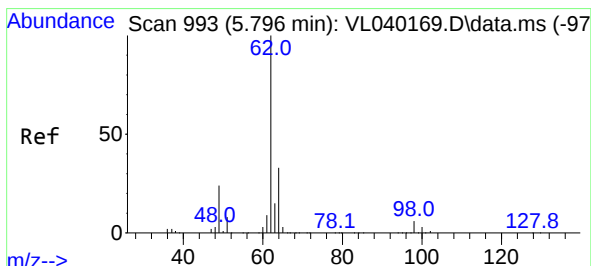
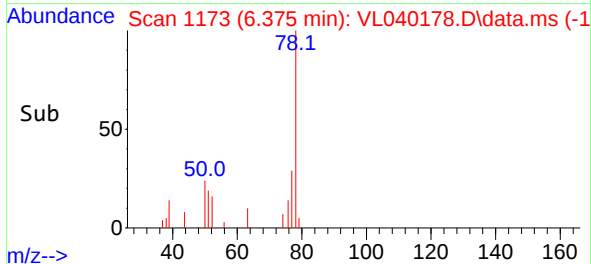
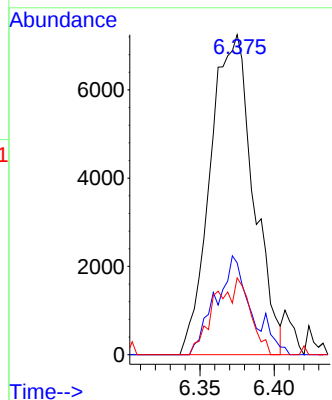
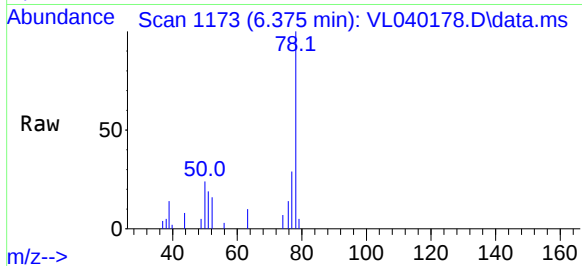




#36
Benzene
Concen: 0.078 ppbv
RT: 6.375 min Scan# 1169
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

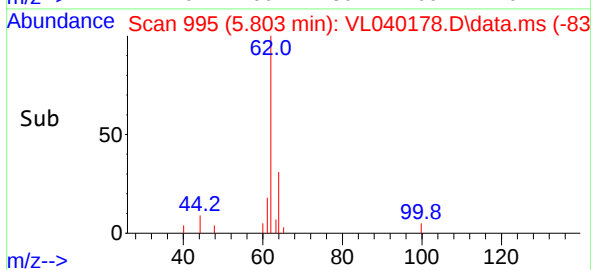
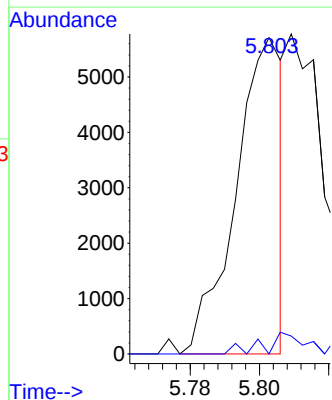
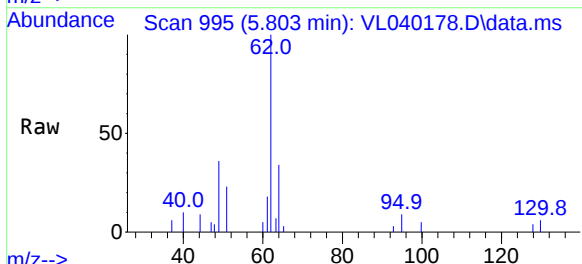
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

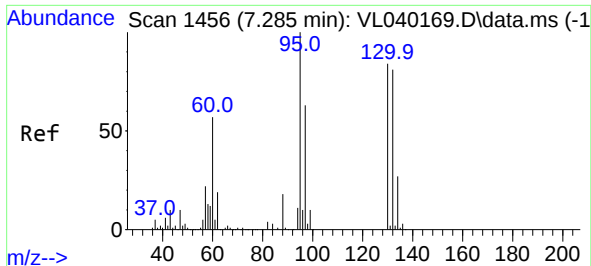
Tgt Ion: 78 Resp: 14611
Ion Ratio Lower Upper
78 100
77 29.3 17.5 26.3#
50 24.5 14.6 22.0#



#37
1,2-Dichloroethane
Concen: 0.045 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.007 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 62 Resp: 5323
Ion Ratio Lower Upper
62 100
98 0.0 4.7 7.1#



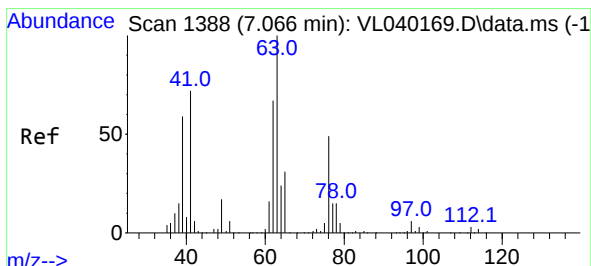
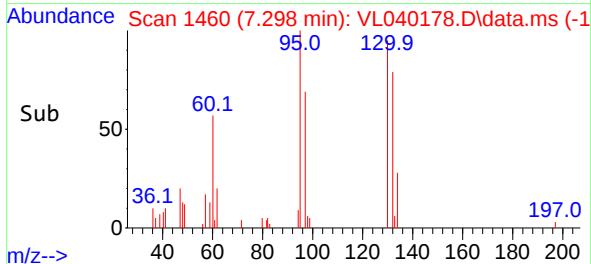
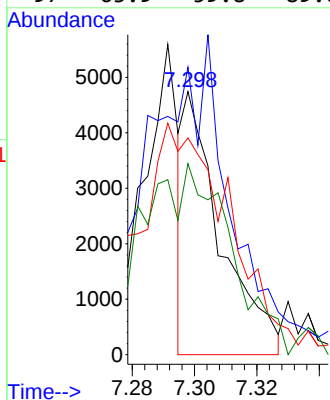
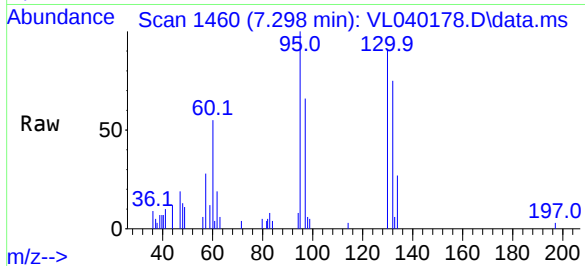


#38
Trichloroethene
Concen: 0.037 ppbv
RT: 7.298 min Scan# 1456
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

Tgt Ion:130 Resp: 3888

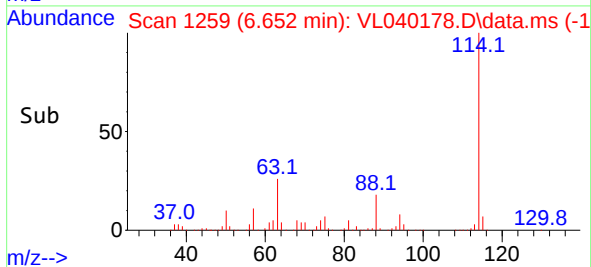
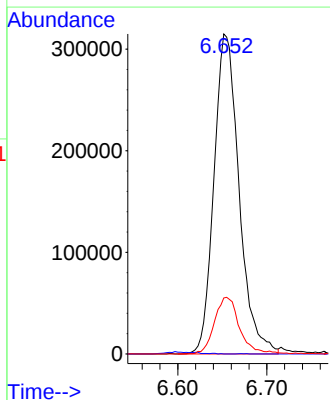
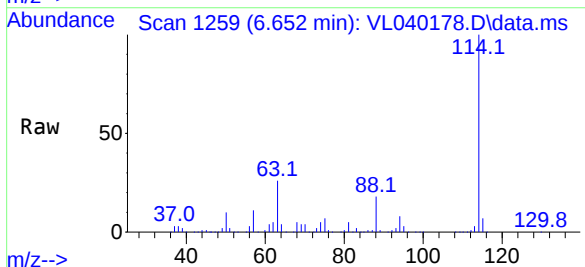
Ion	Ratio	Lower	Upper
130	100		
95	100.8	94.7	142.1
132	76.9	76.4	114.6
97	63.9	59.8	89.6

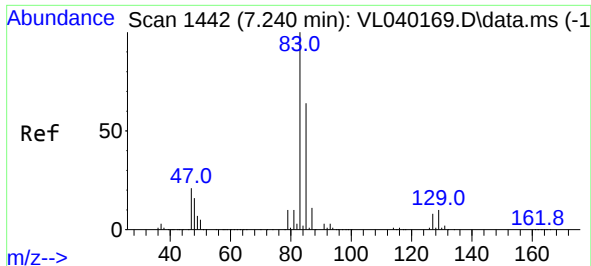


#39
1,2-Dichloropropane
Concen: 8.412 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.415 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 63 Resp: 616673

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.6	86.4#
62	17.5	54.0	81.0#

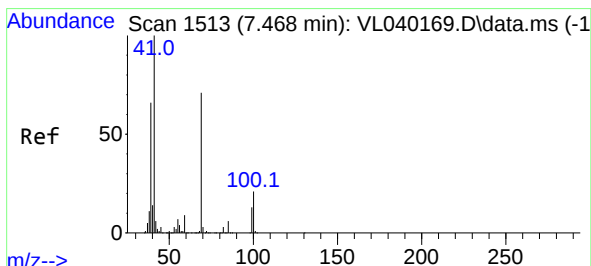
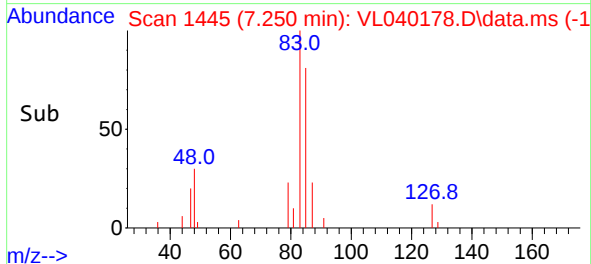
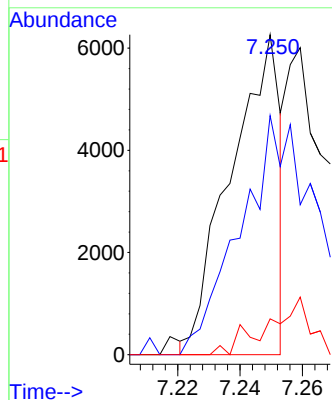
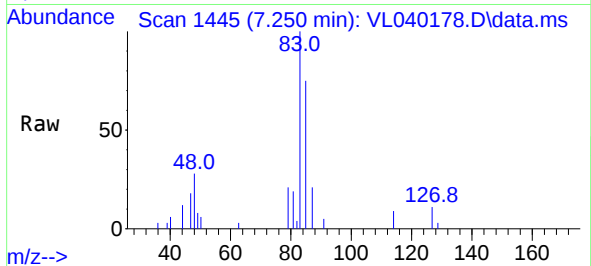




#42
Bromodichloromethane
Concen: 0.042 ppbv
RT: 7.250 min Scan# 1442
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

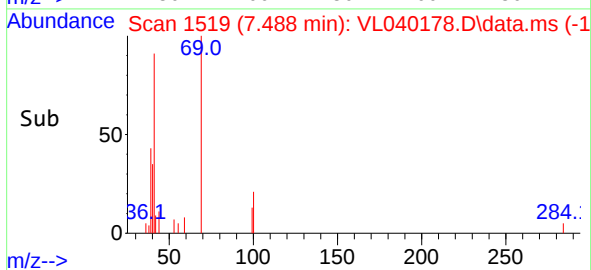
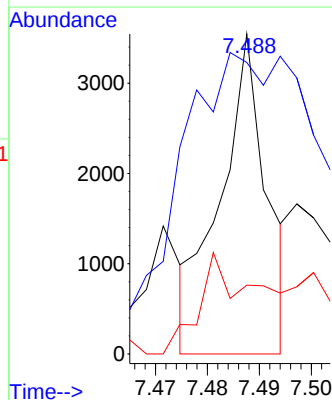
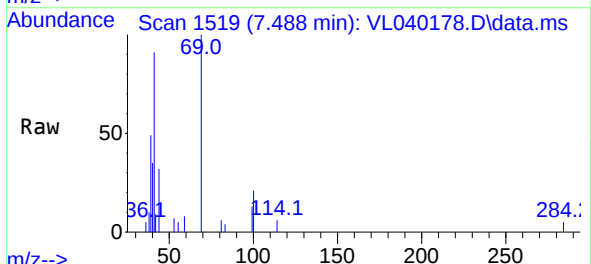
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

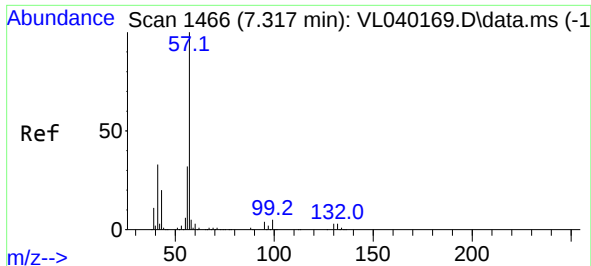
Tgt Ion: 83 Resp: 6895
Ion Ratio Lower Upper
83 100
85 77.9 50.9 76.3#
127 11.7 6.2 9.2#



#43
Methyl Methacrylate
Concen: 0.032 ppbv
RT: 7.488 min Scan# 1519
Delta R.T. 0.019 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 69 Resp: 2203
Ion Ratio Lower Upper
69 100
41 347.8 116.6 174.8#
100 70.9 25.6 38.4#

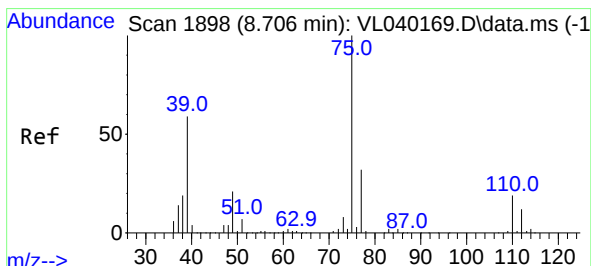
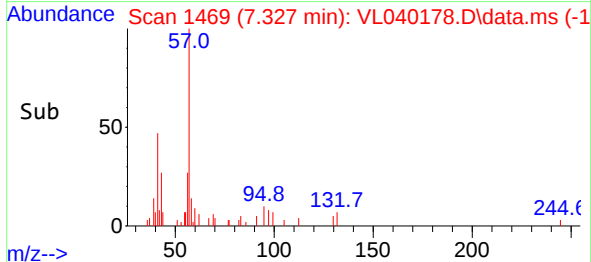
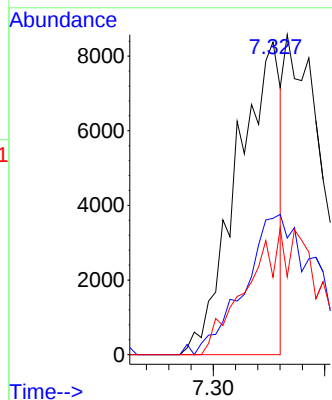
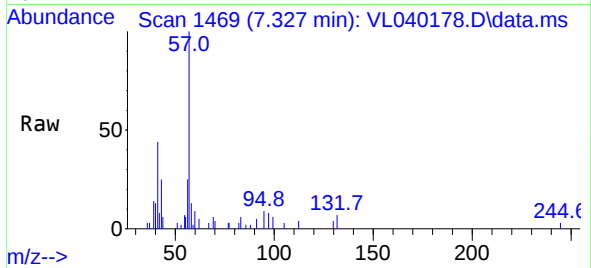




#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 7.327 min Scan# 1466
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

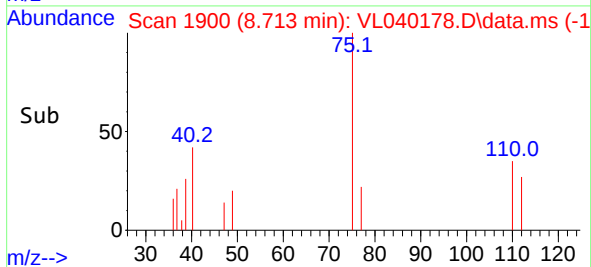
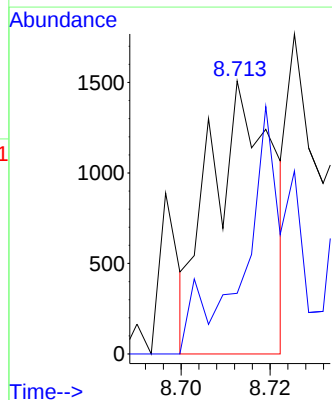
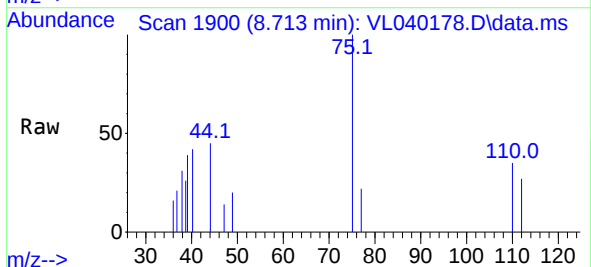
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

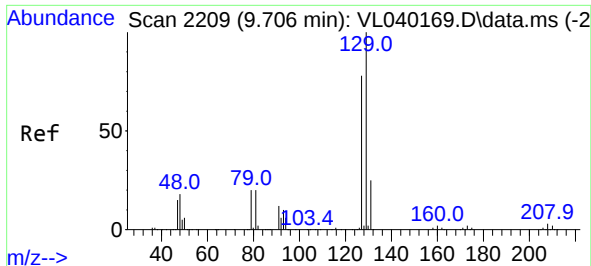
Tgt Ion: 57 Resp: 11388
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4#
56 0.0 24.9 37.3#



#45
t-1,3-Dichloropropene
Concen: 0.023 ppbv
RT: 8.713 min Scan# 1900
Delta R.T. 0.007 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 75 Resp: 1446
Ion Ratio Lower Upper
75 100
77 22.2 25.7 38.5#

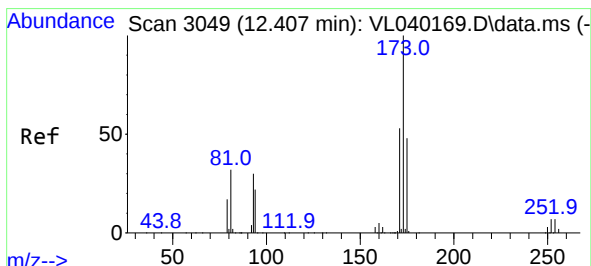
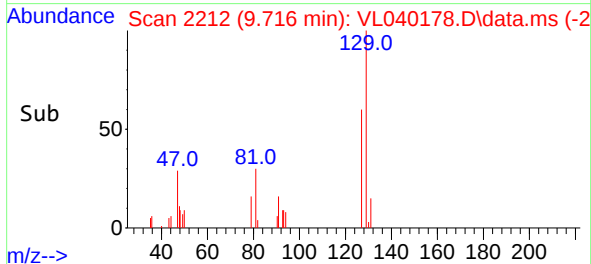
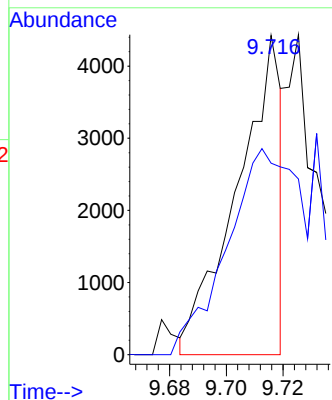
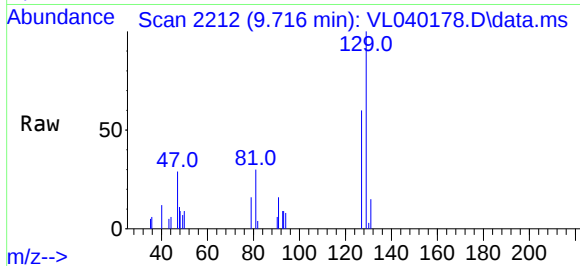




#48
Dibromochloromethane
Concen: 0.038 ppbv
RT: 9.716 min Scan# 2112
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

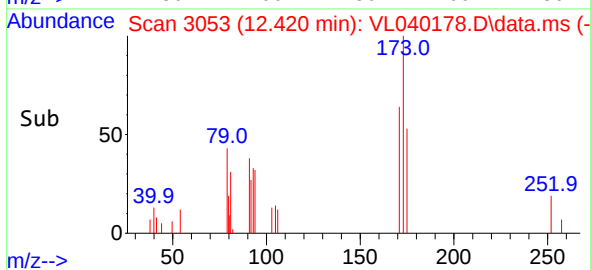
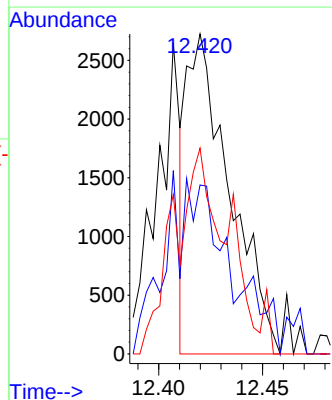
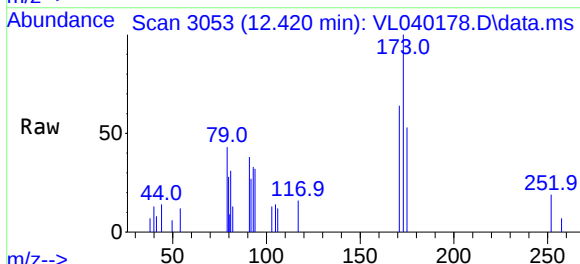
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

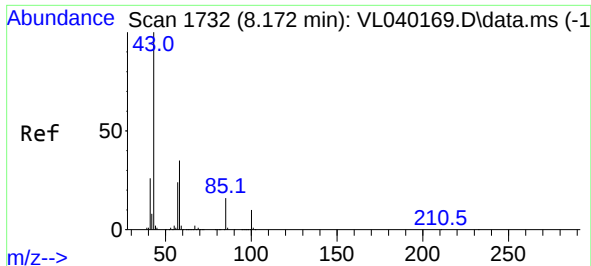
Tgt Ion:129 Resp: 4773
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#



#49
Bromoform
Concen: 0.040 ppbv
RT: 12.420 min Scan# 3053
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion:173 Resp: 3963
Ion Ratio Lower Upper
173 100
175 0.0 39.4 59.0#
171 81.0 41.8 62.6#





#50

4-Methyl-2-Pentanone

Concen: 0.023 ppbv

RT: 8.208 min Scan# 1

Delta R.T. 0.035 min

Lab File: VL040178.D

Acq: 15 Feb 2023 16:25

Instrument :

MSVOA_L

ClientSampleId :

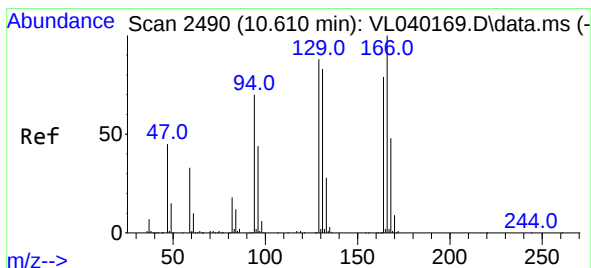
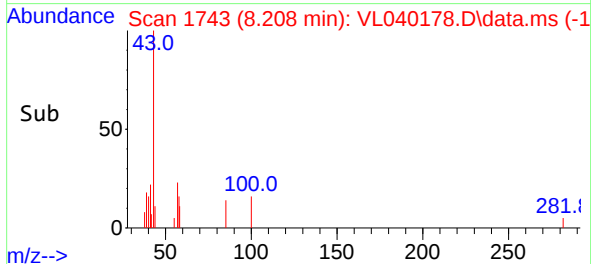
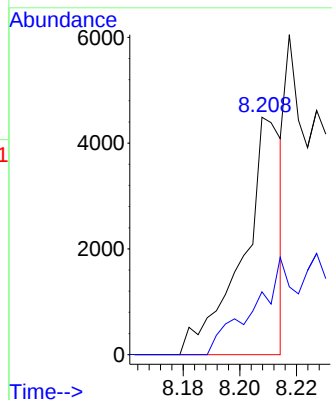
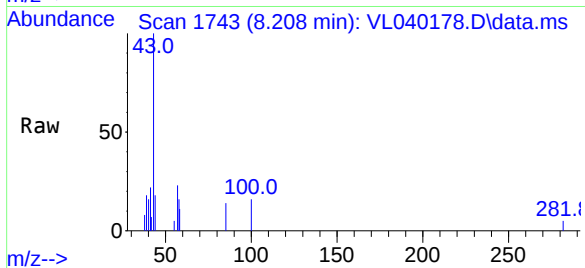
VSTDIC0.1

Tgt Ion: 43 Resp: 4252

Ion Ratio Lower Upper

43 100

58 0.0 29.2 43.8#



#52

Tetrachloroethene

Concen: 0.070 ppbv

RT: 10.629 min Scan# 2496

Delta R.T. 0.019 min

Lab File: VL040178.D

Acq: 15 Feb 2023 16:25

Tgt Ion: 164 Resp: 4115

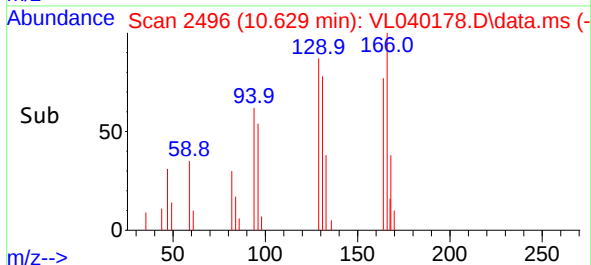
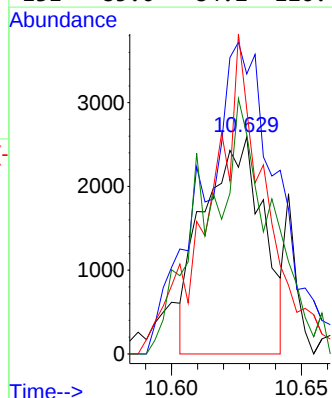
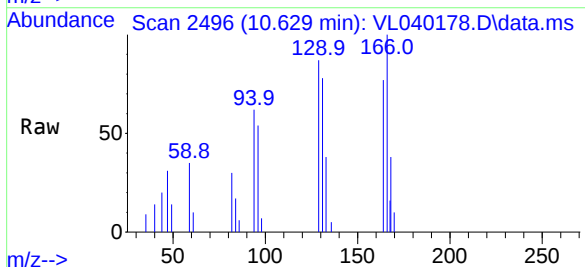
Ion Ratio Lower Upper

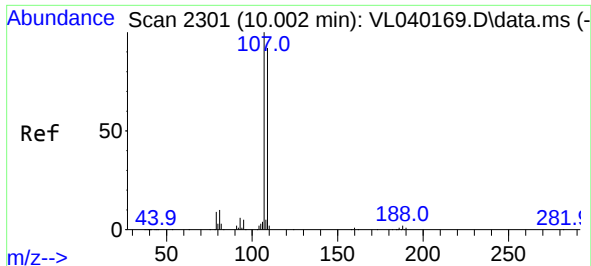
164 100

166 105.3 101.5 152.3

129 94.0 89.0 133.4

131 85.0 84.2 126.4

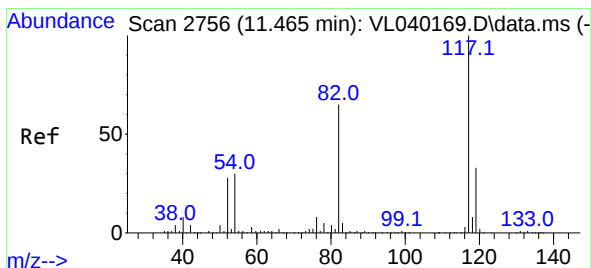
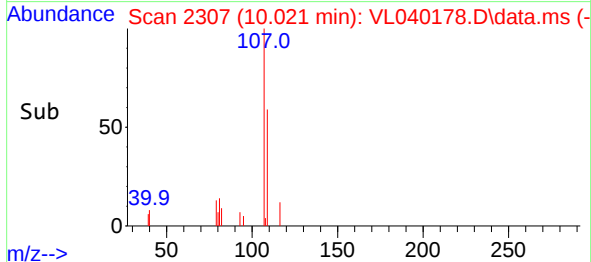
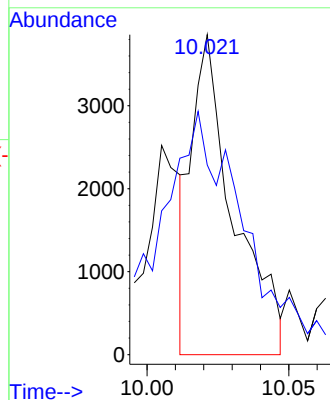
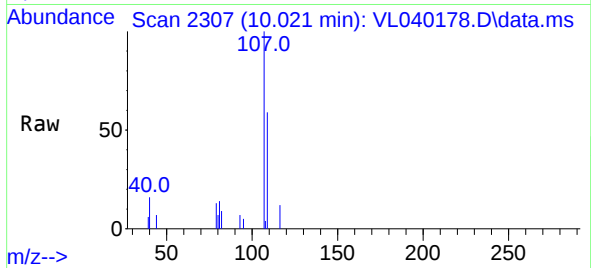




#54
1,2-Dibromoethane
Concen: 0.048 ppbv
RT: 10.021 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

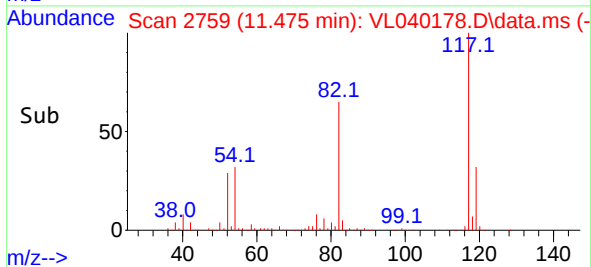
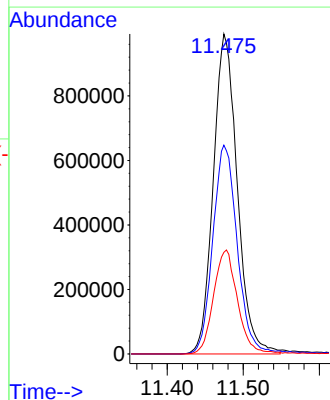
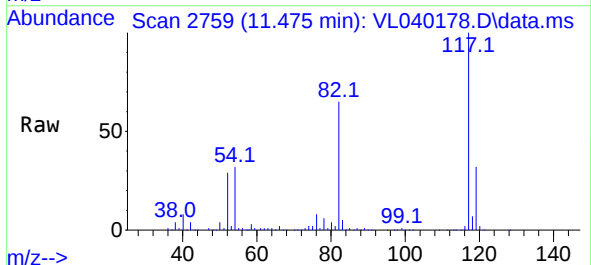
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

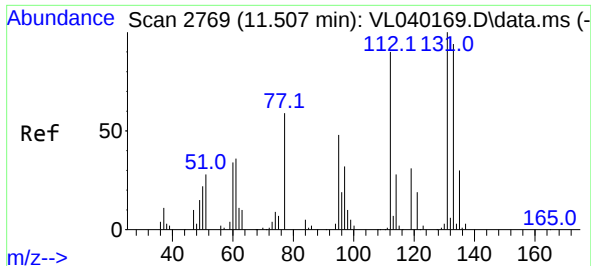
Tgt Ion:107 Resp: 3963
Ion Ratio Lower Upper
107 100
109 50.2 73.8 110.8#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion:117 Resp: 2175325
Ion Ratio Lower Upper
117 100
82 67.4 53.3 79.9
119 32.9 24.6 37.0

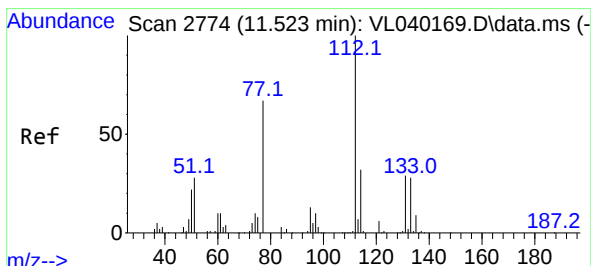
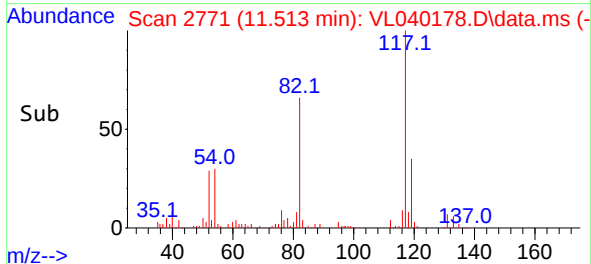
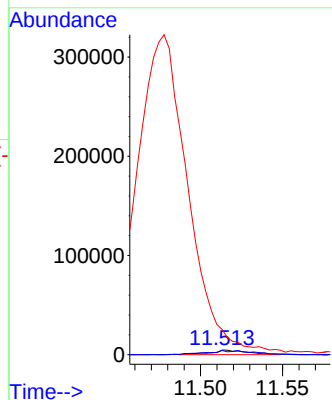
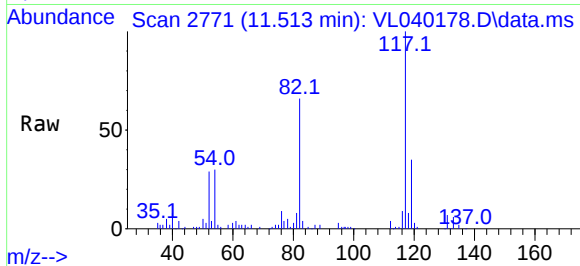




#56
1,1,1,2-Tetrachloroethane
Concen: 0.082 ppbv
RT: 11.513 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

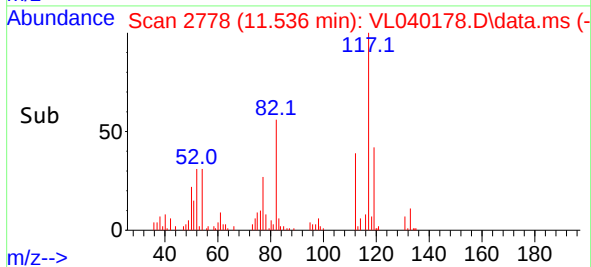
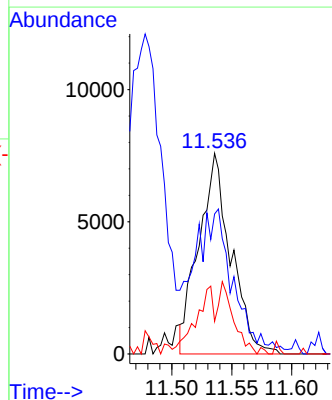
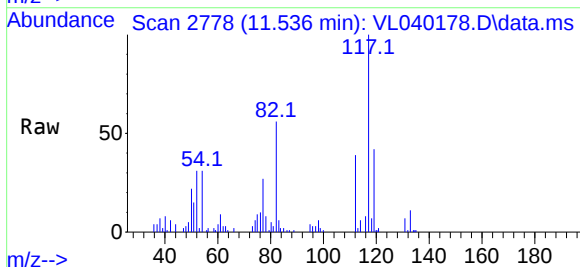
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

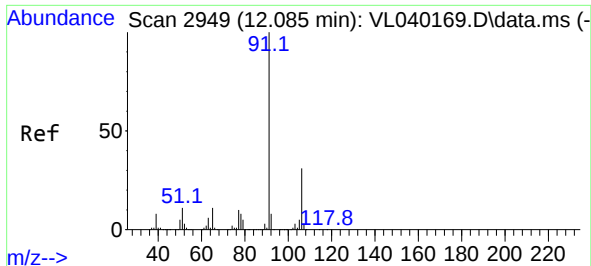
Tgt Ion:131 Resp: 7459
Ion Ratio Lower Upper
131 100
133 110.0 76.2 114.2
119 0.0 45.4 68.0#



#57
Chlorobenzene
Concen: 0.089 ppbv
RT: 11.536 min Scan# 2778
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion:112 Resp: 14166
Ion Ratio Lower Upper
112 100
77 65.9 55.0 82.4
114 14.2 29.0 35.4#





#58

Ethyl Benzene

Concen: 0.028 ppbv

RT: 12.356 min Scan# 3033

Delta R.T. 0.270 min

Lab File: VL040178.D

Acq: 15 Feb 2023 16:25

Instrument :

MSVOA_L

ClientSampleId :

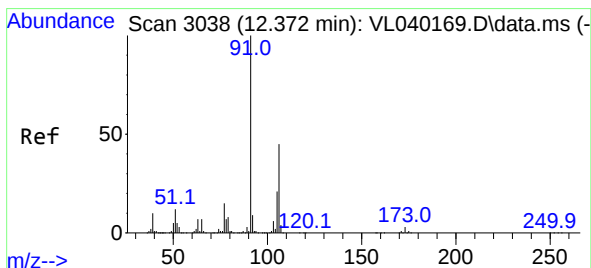
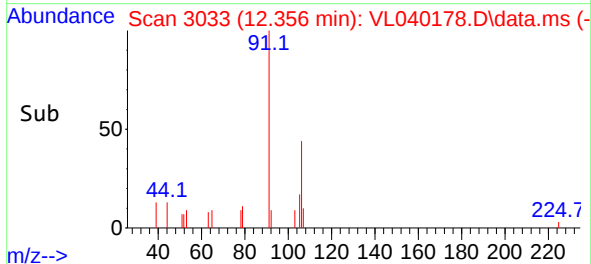
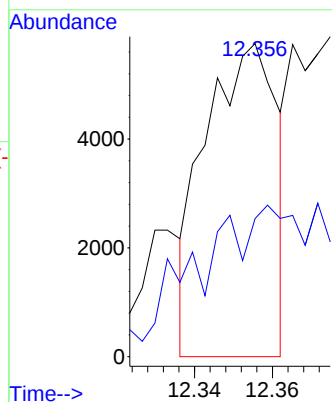
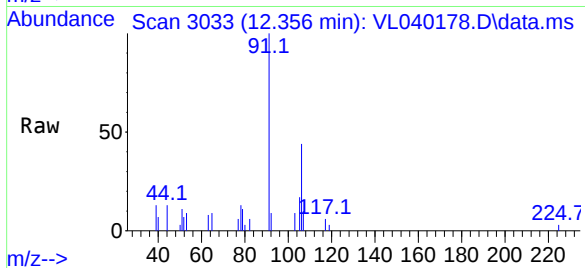
VSTDICC0.1

Tgt Ion: 91 Resp: 7325

Ion Ratio Lower Upper

91 100

106 32.7 24.9 37.3



#59

m/p-Xylene

Concen: 0.024 ppbv

RT: 12.378 min Scan# 3040

Delta R.T. 0.007 min

Lab File: VL040178.D

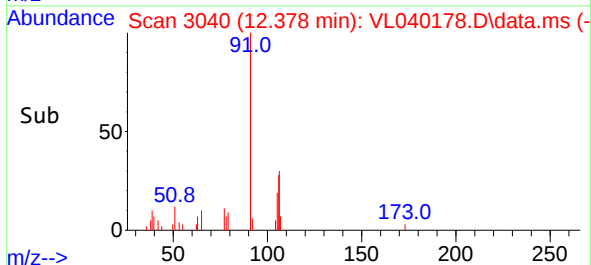
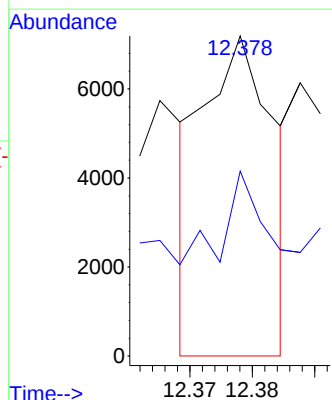
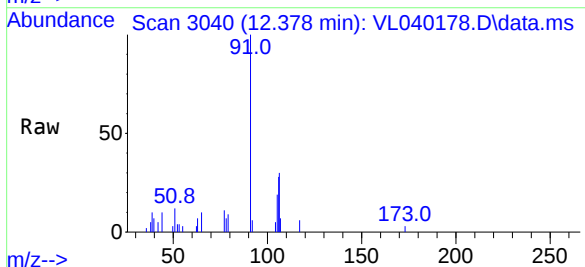
Acq: 15 Feb 2023 16:25

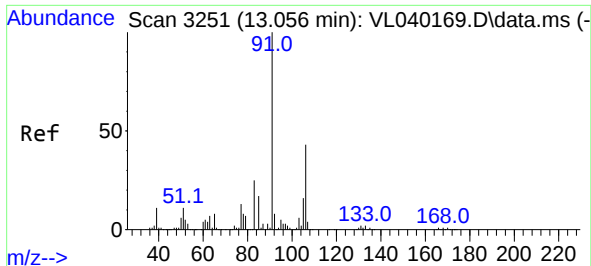
Tgt Ion: 91 Resp: 5682

Ion Ratio Lower Upper

91 100

106 201.2 34.6 51.8#

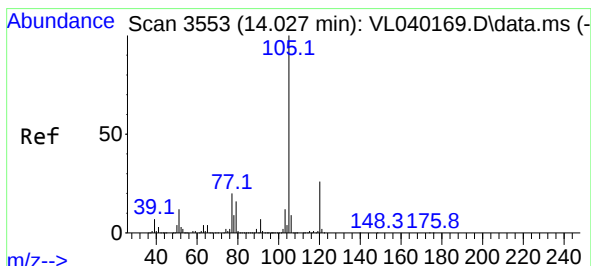
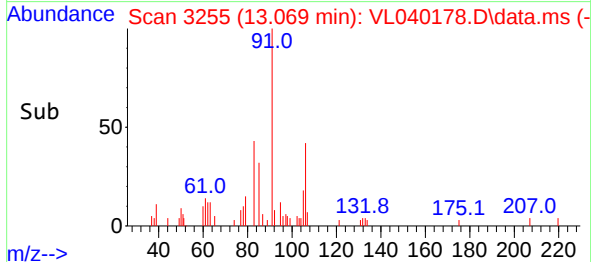
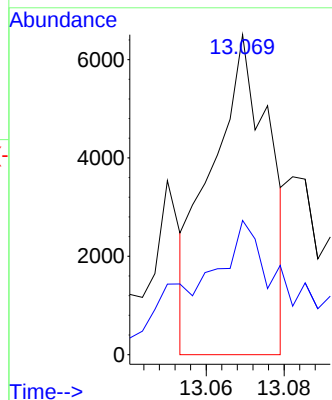
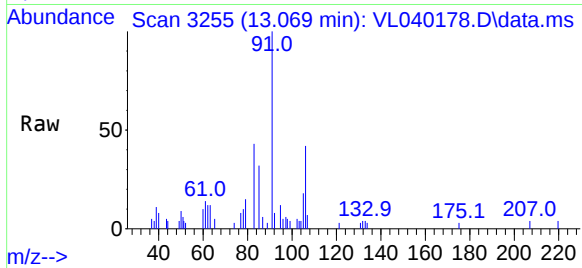




#60
o-Xylene
Concen: 0.030 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

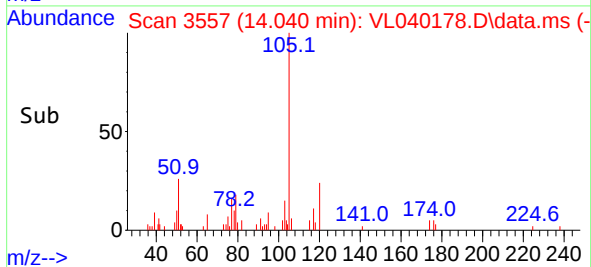
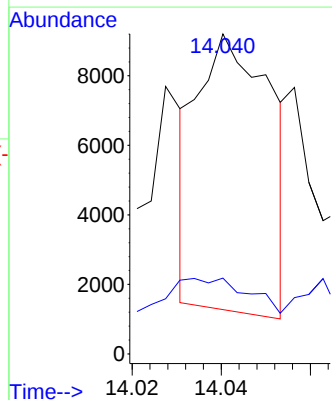
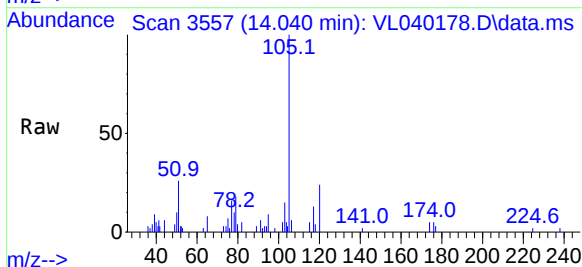
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

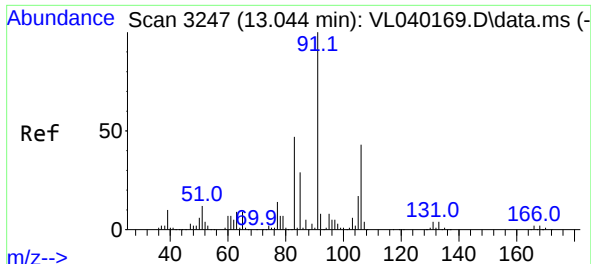
Tgt Ion: 91 Resp: 6737
Ion Ratio Lower Upper
91 100
106 74.1 21.6 65.0#



#62
Isopropylbenzene
Concen: 0.028 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 105 Resp: 9121
Ion Ratio Lower Upper
105 100
120 65.9 20.3 30.5#

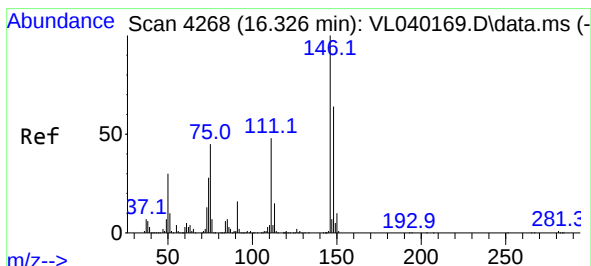
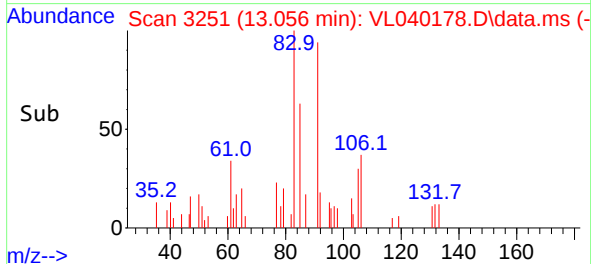
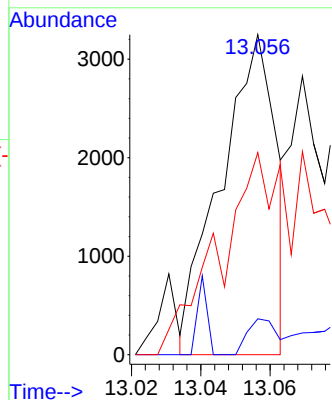
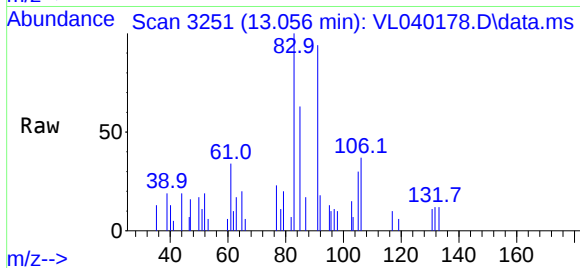




#63
1,1,2,2-Tetrachloroethane
Concen: 0.044 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

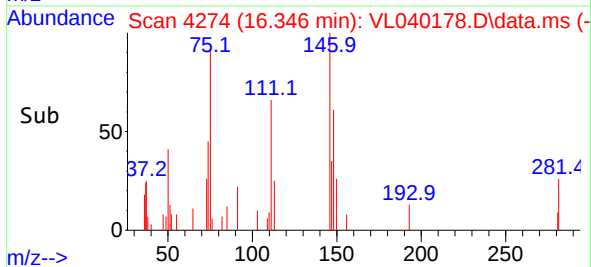
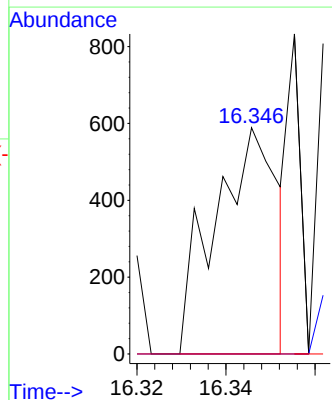
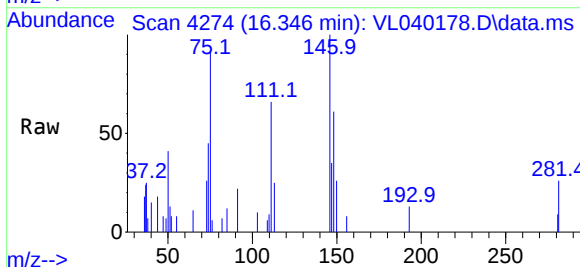
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

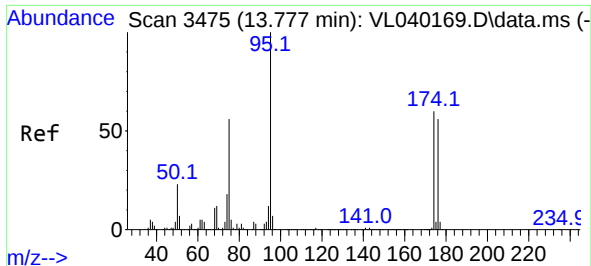
Tgt Ion: 83 Resp: 3597
Ion Ratio Lower Upper
83 100
131 0.0 4.4 13.2#
85 0.0 33.0 99.0#



#66
Benzyl Chloride
Concen: 0.031 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.019 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 91 Resp: 575
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#

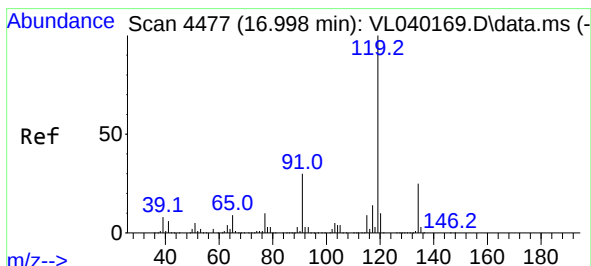
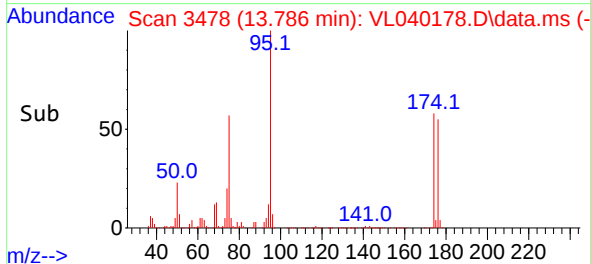
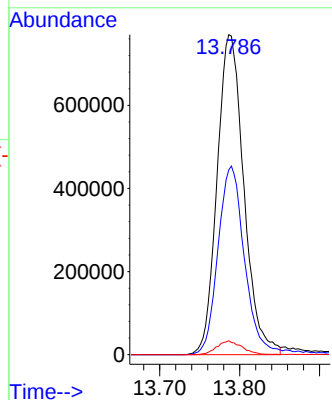
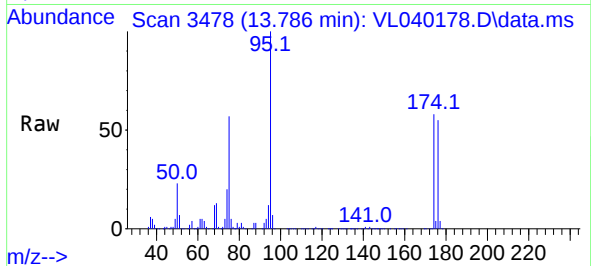




#68
1-Bromo-4-Fluorobenzene
Concen: 10.003 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.010 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

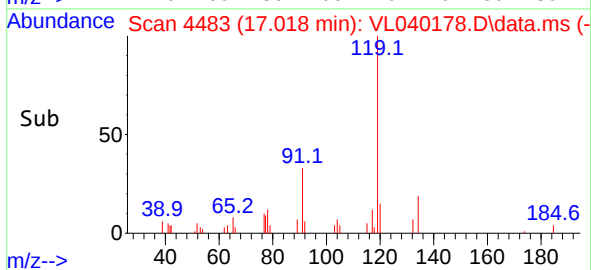
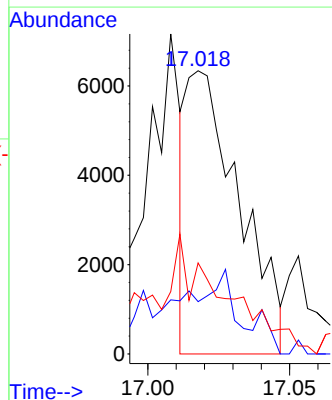
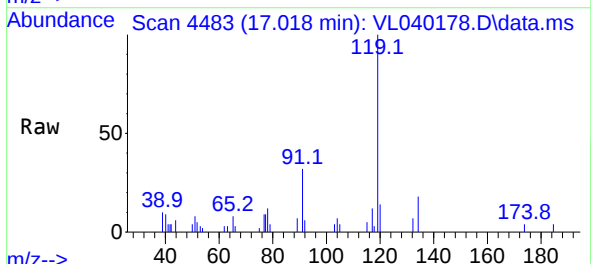
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

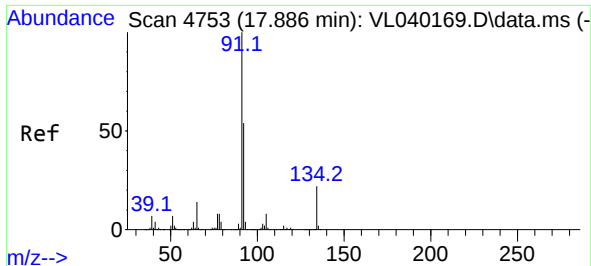
Tgt Ion: 95 Resp: 1789363
Ion Ratio Lower Upper
95 100
174 59.7 48.2 72.2
175 4.2 3.4 5.2



#69
p-Isopropyltoluene
Concen: 0.026 ppbv
RT: 17.018 min Scan# 4483
Delta R.T. 0.019 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 119 Resp: 8235
Ion Ratio Lower Upper
119 100
134 46.8 20.2 30.2#
91 44.6 24.7 37.1#

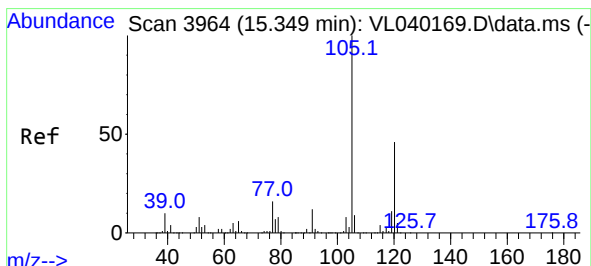
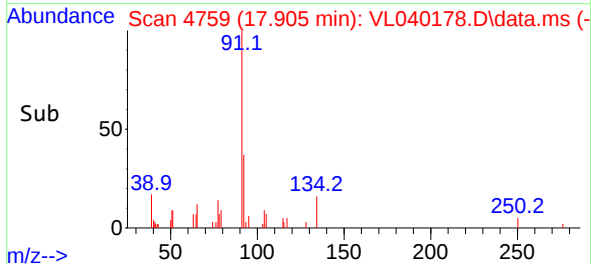
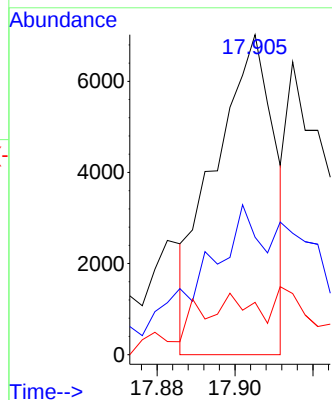
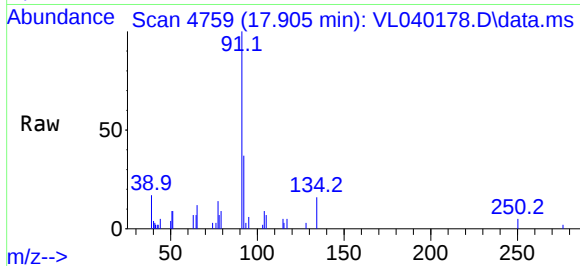




#70
n-Butylbenzene
Concen: 0.022 ppbv
RT: 17.905 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

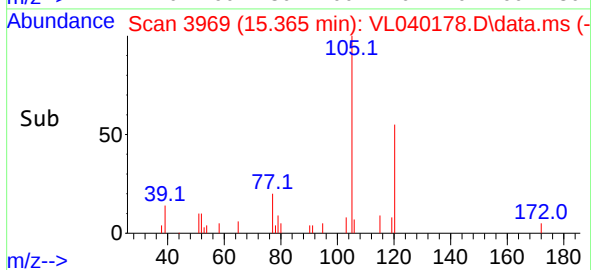
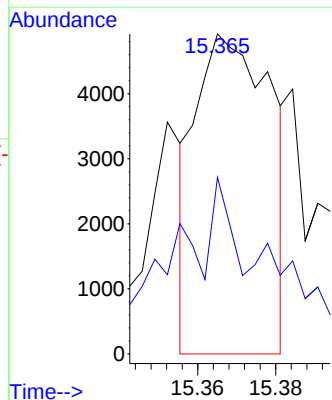
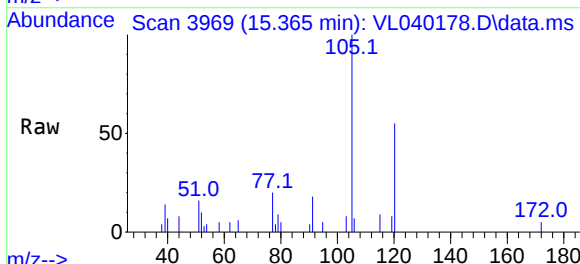
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

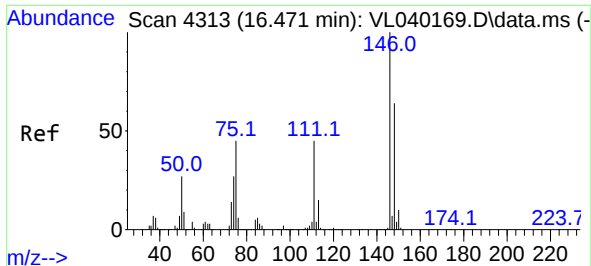
Tgt Ion: 91 Resp: 7532
Ion Ratio Lower Upper
91 100
92 117.1 43.0 64.6#
134 0.0 16.9 25.3#



#73
1,3,5-Trimethylbenzene
Concen: 0.029 ppbv
RT: 15.365 min Scan# 3969
Delta R.T. 0.016 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion: 105 Resp: 6604
Ion Ratio Lower Upper
105 100
120 89.3 36.8 55.2#

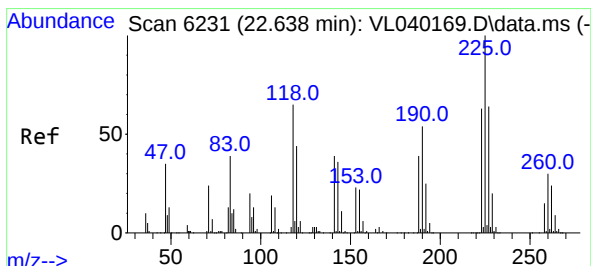
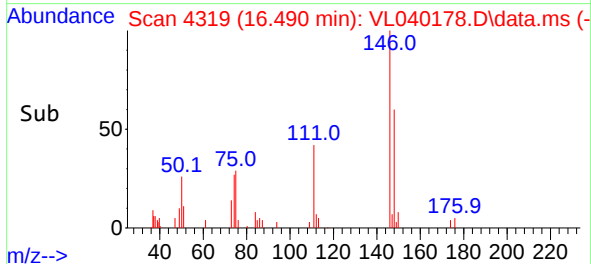
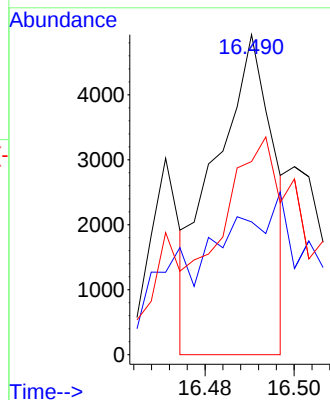
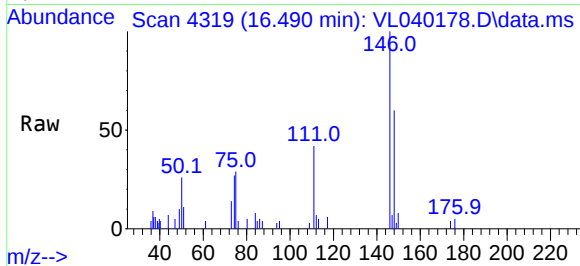




#76
1,4-Dichlorobenzene
Concen: 0.033 ppbv
RT: 16.490 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:146 Resp: 4506
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5#
148 0.0 32.5 97.4#



#78
Hexachloro-1,3-Butadiene
Concen: 0.065 ppbv
RT: 22.654 min Scan# 6236
Delta R.T. 0.016 min
Lab File: VL040178.D
Acq: 15 Feb 2023 16:25

Tgt Ion:225 Resp: 6139
Ion Ratio Lower Upper
225 100
223 101.5 51.0 76.6#
227 86.2 51.2 76.8#

