

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040174.D
 Acq On : 15 Feb 2023 13:37
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Feb 16 05:16:25 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)

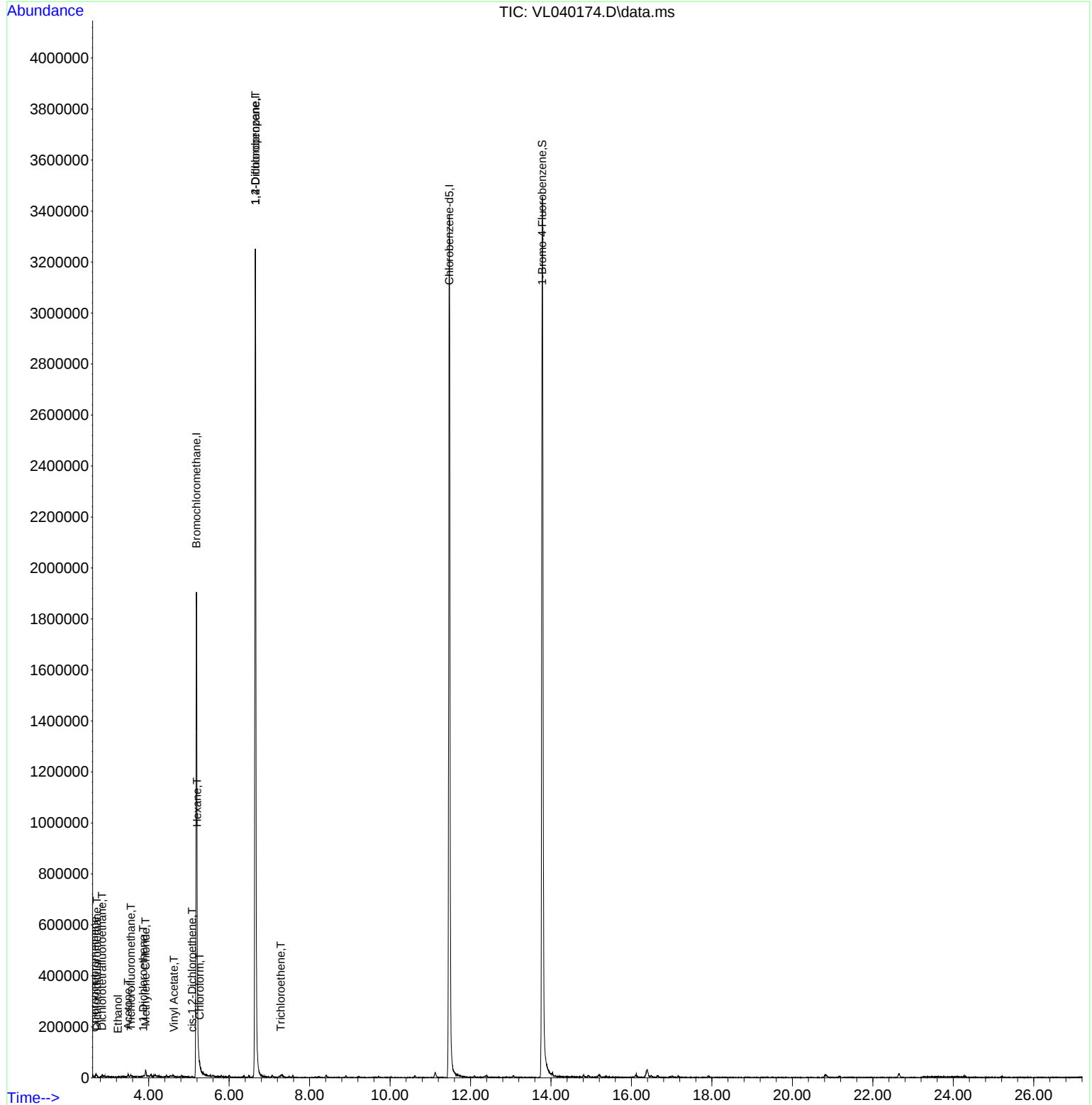
Internal Standards						
1) Bromochloromethane	5.189	49	953199	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2421043	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2148819	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1764622	9.987	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	4005	0.023	ppbv	93
3) Chlorodifluoromethane	2.661	51	3214	0.028	ppbv	94
8) Dichlorotetrafluoroethane	2.841	85	3454	0.023	ppbv #	71
11) Trichlorofluoromethane	3.555	101	3334	0.021	ppbv	96
13) Ethanol	3.237	45	170	0.040	ppbv #	41
15) Acetone	3.488	43	9962	0.087	ppbv	94
18) 1,1-Dichloroethene	3.867	96	1327	0.026	ppbv #	37
20) Methylene Chloride	3.925	84	8264	0.138	ppbv #	75
23) Vinyl Acetate	4.629	43	877	0.025	ppbv #	59
26) Hexane	5.205	57	2083	0.023	ppbv #	1
29) Chloroform	5.269	83	3918	0.025	ppbv #	82
31) cis-1,2-Dichloroethene	5.079	61	2056	0.024	ppbv #	61
38) Trichloroethene	7.285	130	2136	0.021	ppbv #	49
39) 1,2-Dichloropropane	6.652	63	611649	8.345	ppbv #	26

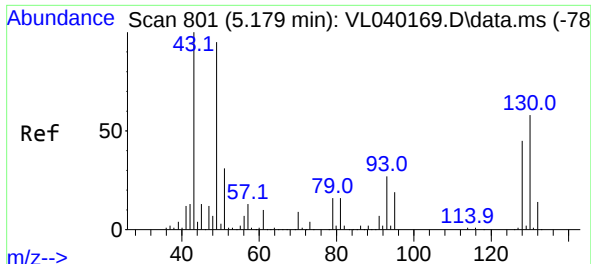
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
Data File : VL040174.D
Acq On : 15 Feb 2023 13:37
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Feb 16 05:16:25 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

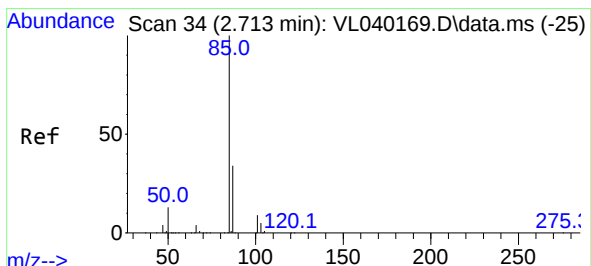
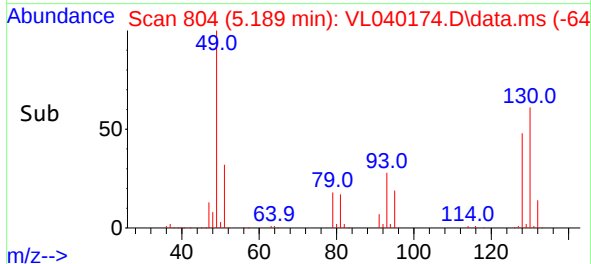
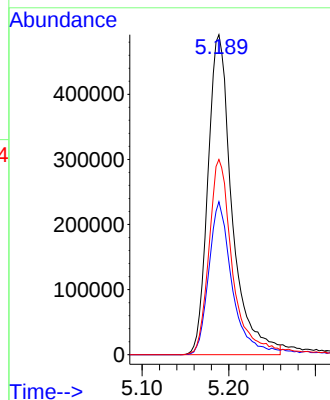
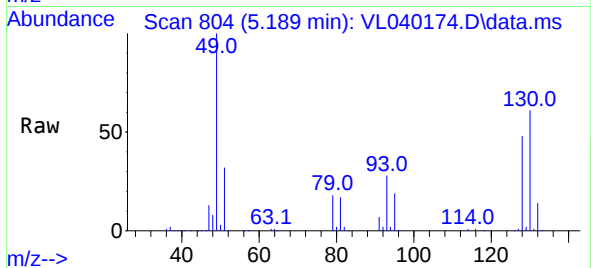




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

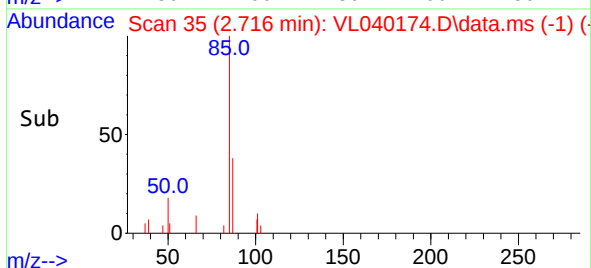
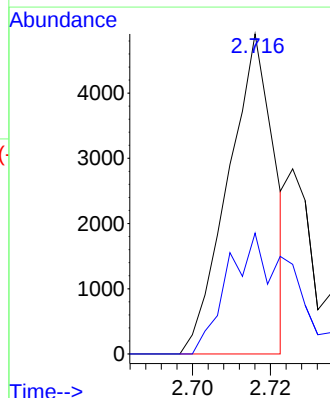
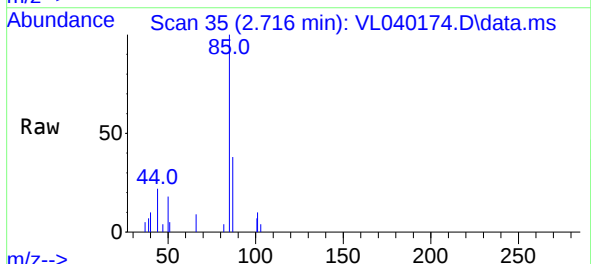
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

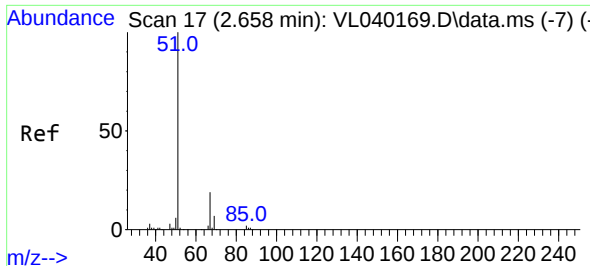
Tgt Ion: 49 Resp: 953199
Ion Ratio Lower Upper
49 100
128 48.7 24.1 72.3
130 61.7 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.023 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 85 Resp: 4005
Ion Ratio Lower Upper
85 100
87 37.8 27.0 40.6

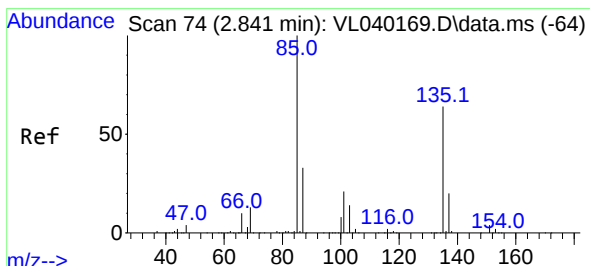
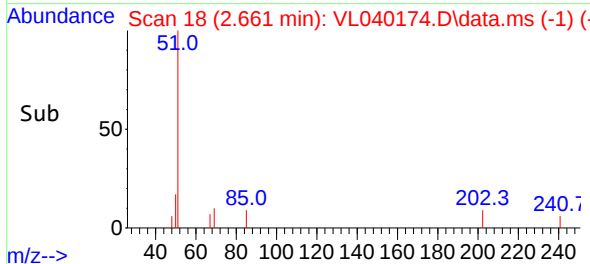
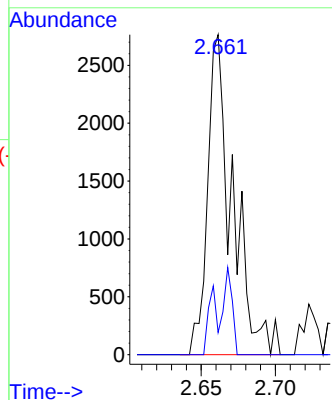
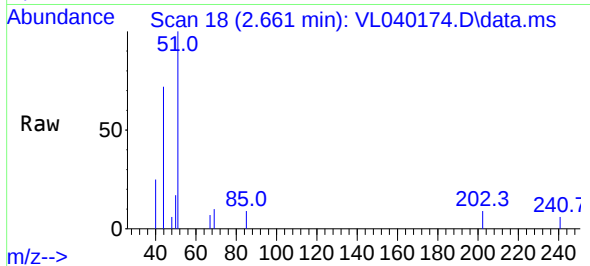




#3
Chlorodifluoromethane
Concen: 0.028 ppbv
RT: 2.661 min Scan# 17
Delta R.T. 0.003 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

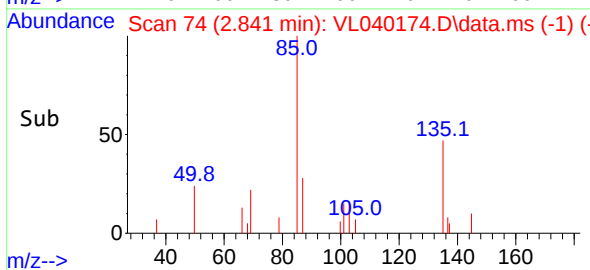
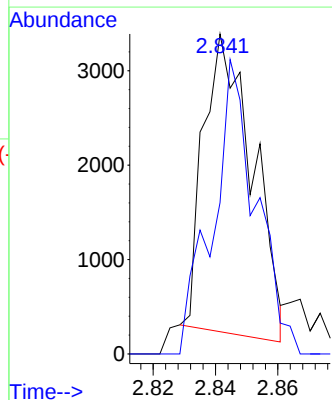
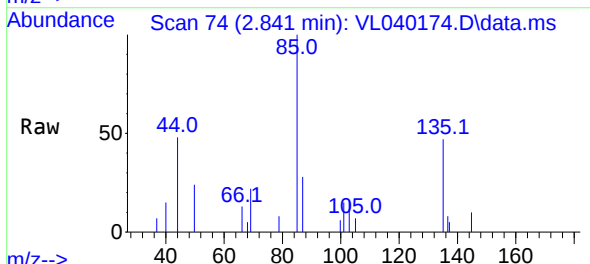
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

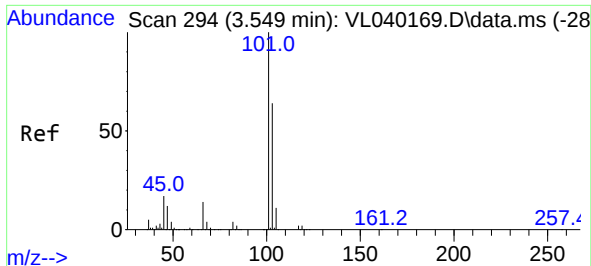
Tgt Ion: 51 Resp: 3214
Ion Ratio Lower Upper
51 100
67 16.7 15.4 23.2



#8
Dichlorotetrafluoroethane
Concen: 0.023 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 85 Resp: 3454
Ion Ratio Lower Upper
85 100
135 87.0 51.5 77.3#

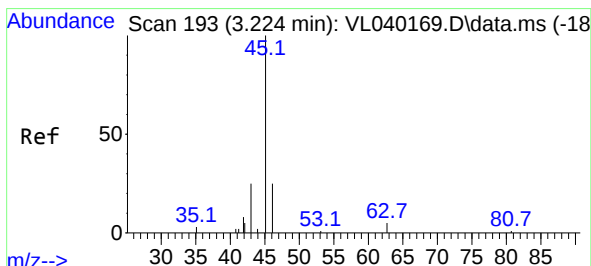
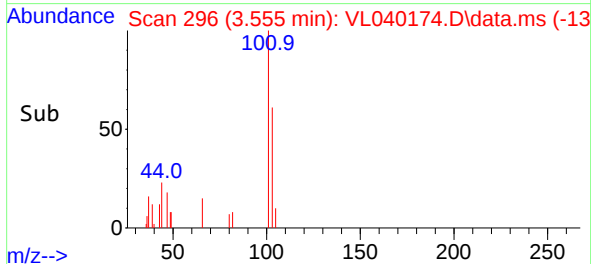
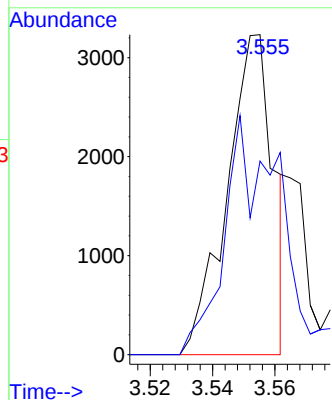
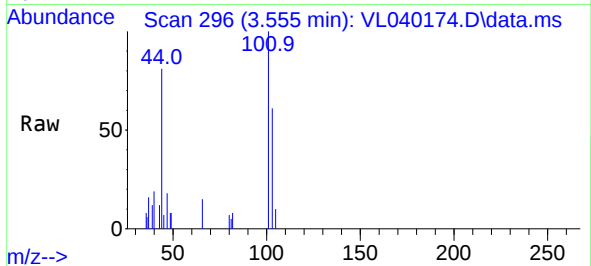




#11
Trichlorofluoromethane
Concen: 0.021 ppbv
RT: 3.555 min Scan# 294
Delta R.T. 0.006 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

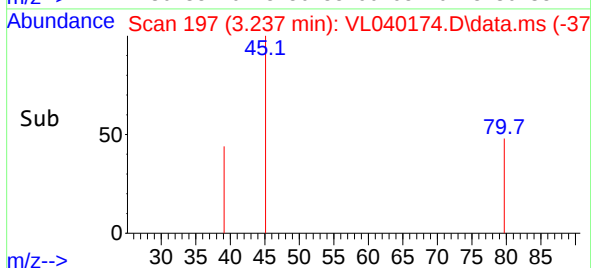
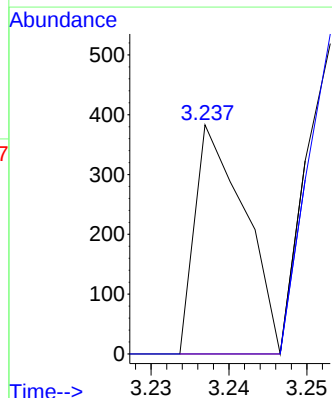
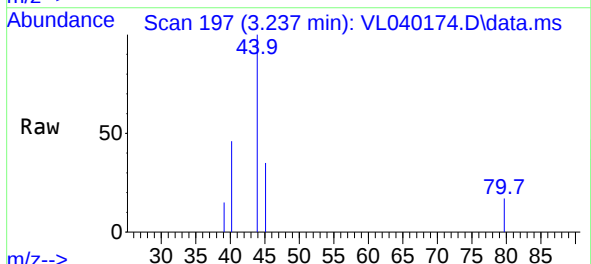
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

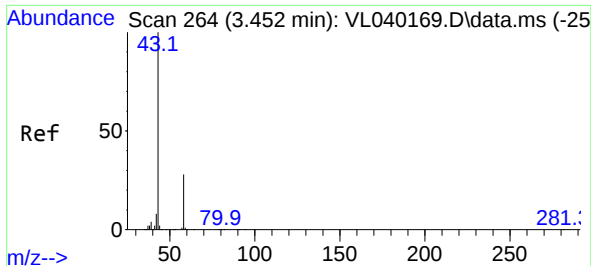
Tgt Ion:101 Resp: 3334
Ion Ratio Lower Upper
101 100
103 60.5 51.0 76.6



#13
Ethanol
Concen: 0.040 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.013 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 45 Resp: 170
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1#

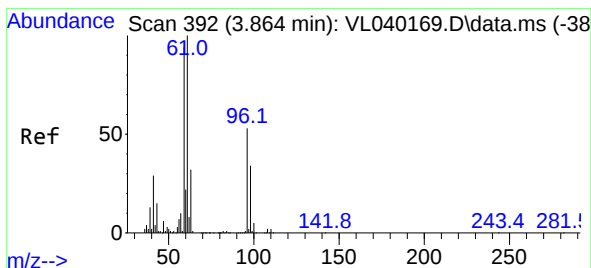
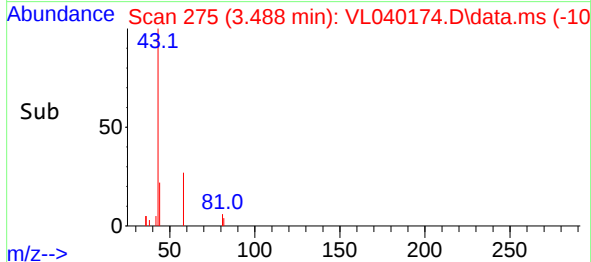
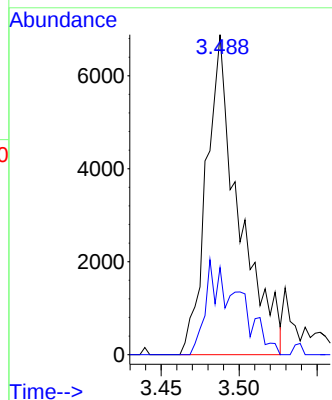
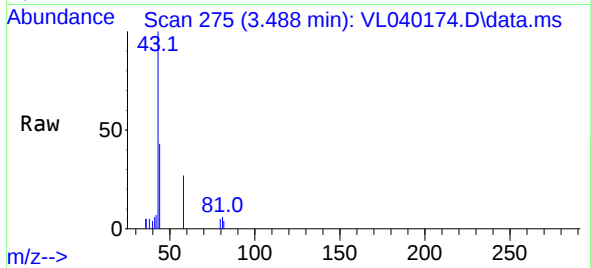




#15
Acetone
Concen: 0.087 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

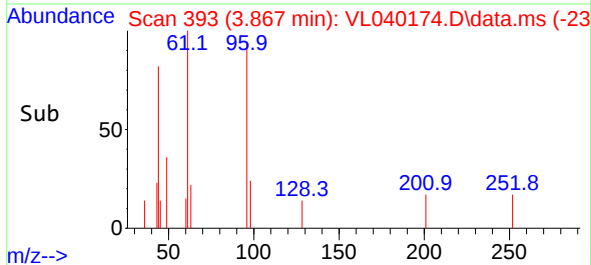
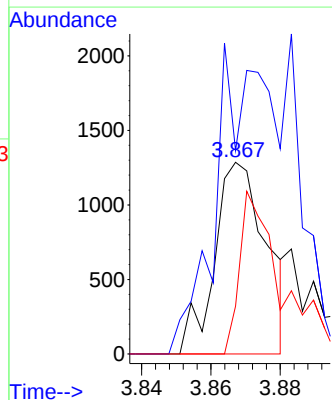
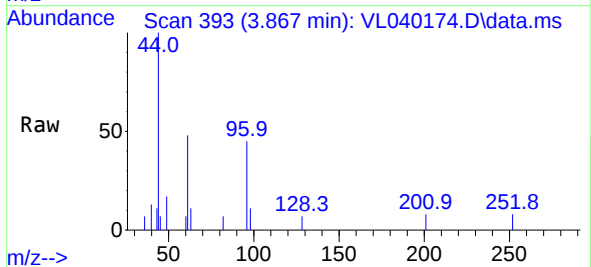
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

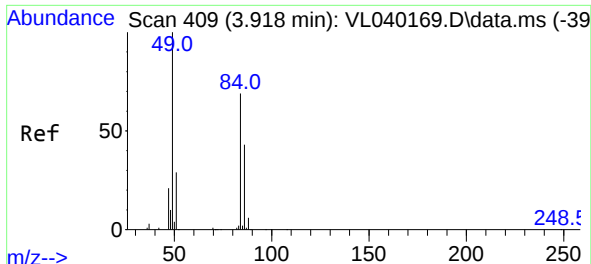
Tgt Ion: 43 Resp: 9962
Ion Ratio Lower Upper
43 100
58 31.0 22.4 33.6



#18
1,1-Dichloroethene
Concen: 0.026 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.003 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 96 Resp: 1327
Ion Ratio Lower Upper
96 100
61 88.3 149.6 224.4#
98 25.0 51.1 76.7#

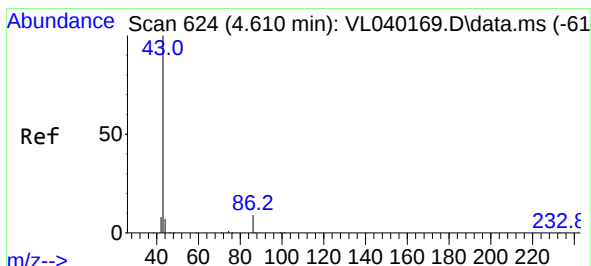
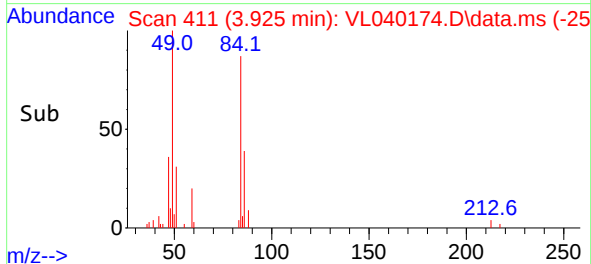
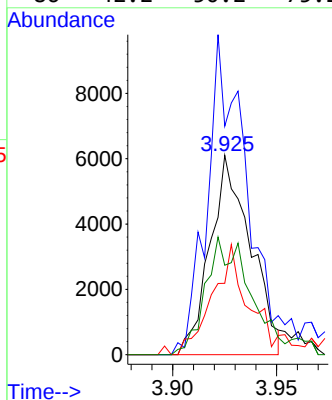
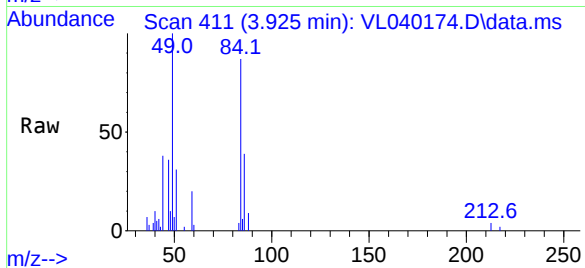




#20
Methylene Chloride
Concen: 0.138 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

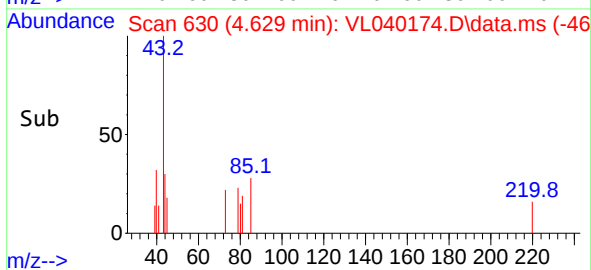
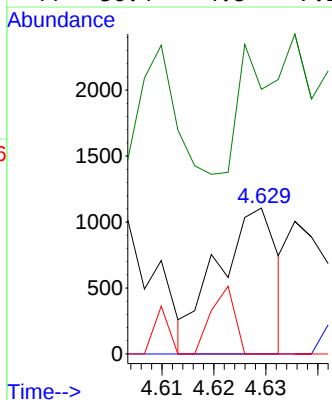
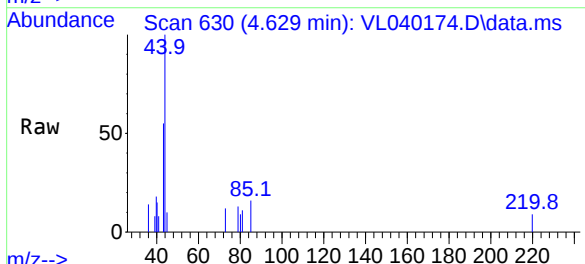
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

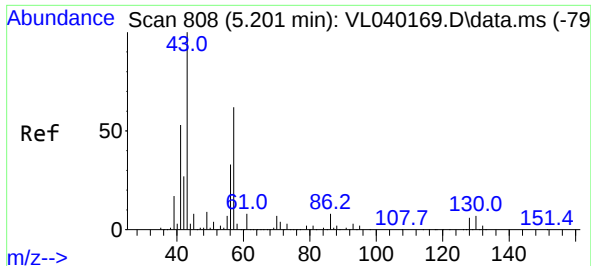
Tgt Ion: 84 Resp: 8264
Ion Ratio Lower Upper
84 100
49 108.6 115.5 173.3#
51 35.8 33.1 49.7
86 42.2 50.2 75.2#



#23
Vinyl Acetate
Concen: 0.025 ppbv
RT: 4.629 min Scan# 630
Delta R.T. 0.019 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
86 0.0 5.6 8.4#
42 0.0 7.6 11.4#
44 36.4 4.8 7.2#



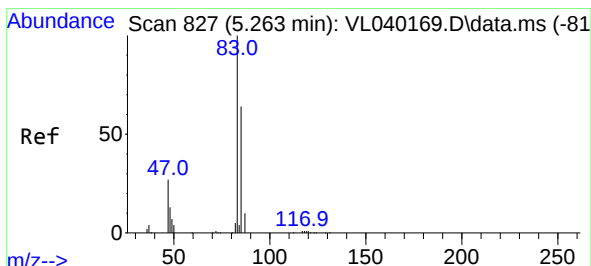
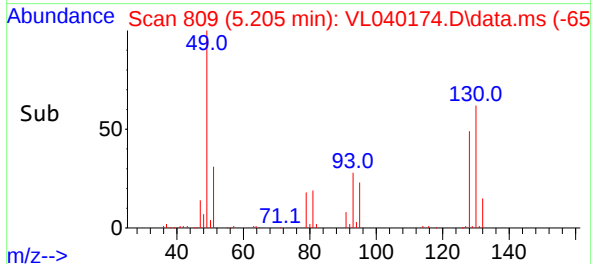
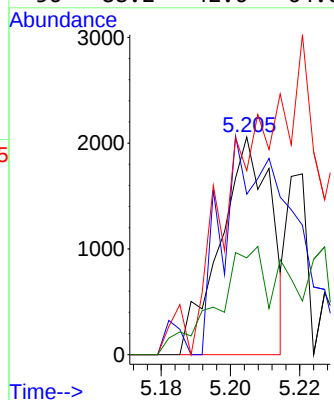
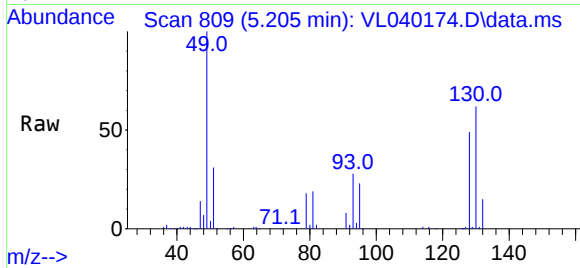


#26
Hexane
Concen: 0.023 ppbv
RT: 5.205 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 57 Resp: 2083

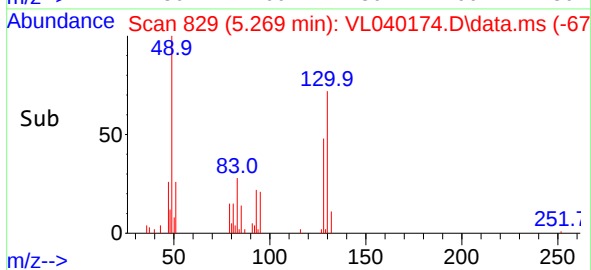
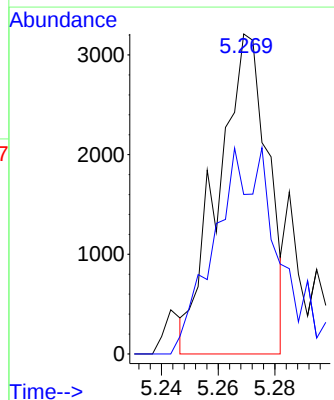
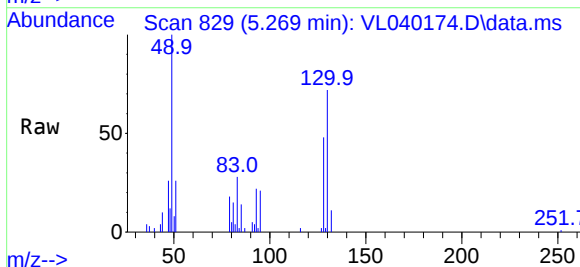
Ion	Ratio	Lower	Upper
57	100		
41	154.3	74.3	111.5#
43	0.0	193.0	289.4#
56	88.2	42.6	64.0#

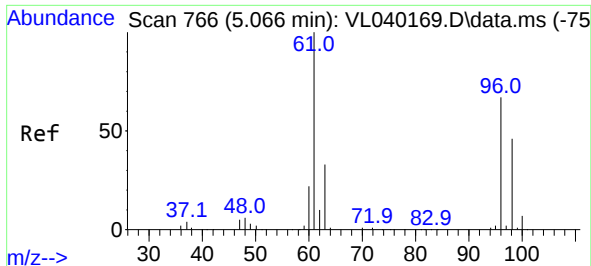


#29
Chloroform
Concen: 0.025 ppbv
RT: 5.269 min Scan# 829
Delta R.T. 0.006 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 83 Resp: 3918

Ion	Ratio	Lower	Upper
83	100		
85	50.0	51.5	77.3#

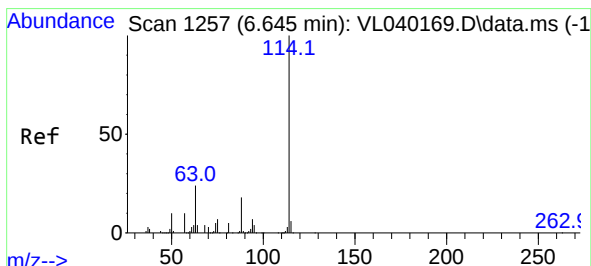
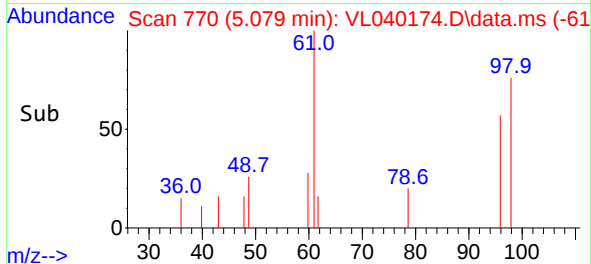
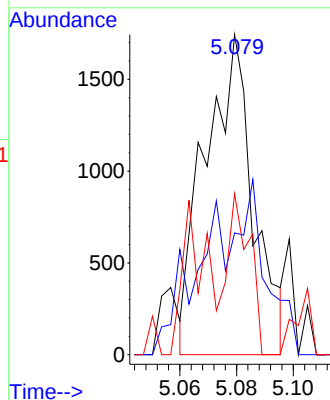
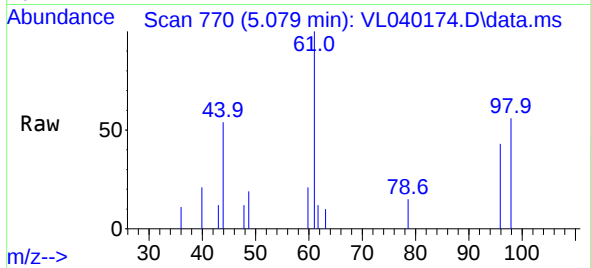




#31
cis-1,2-Dichloroethene
Concen: 0.024 ppbv
RT: 5.079 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

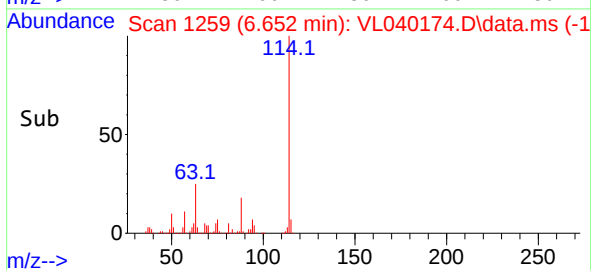
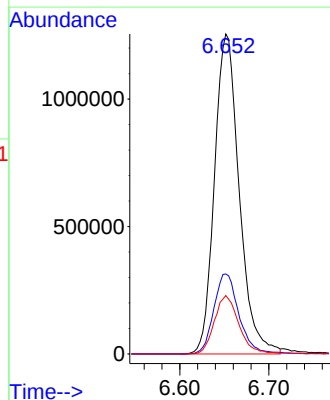
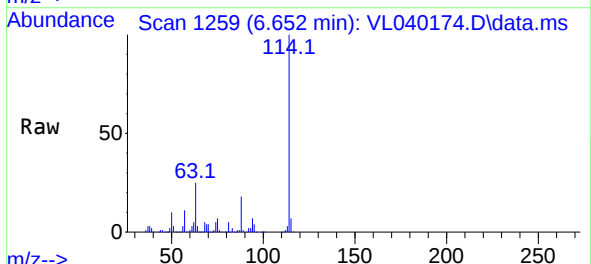
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

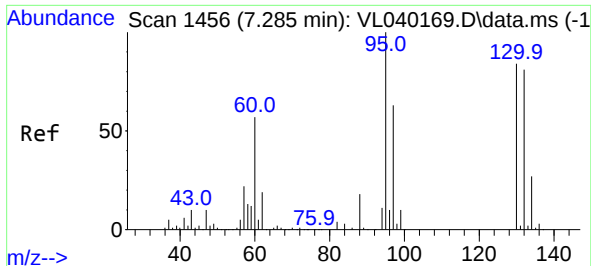
Tgt Ion: 61 Resp: 2056
Ion Ratio Lower Upper
61 100
96 23.5 53.7 80.5#
98 56.3 36.4 54.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 114 Resp: 2421043
Ion Ratio Lower Upper
114 100
63 25.7 20.4 30.6
88 18.2 14.3 21.5





#38

Trichloroethene

Concen: 0.021 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VL040174.D

Acq: 15 Feb 2023 13:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

Tgt Ion:130 Resp: 2136

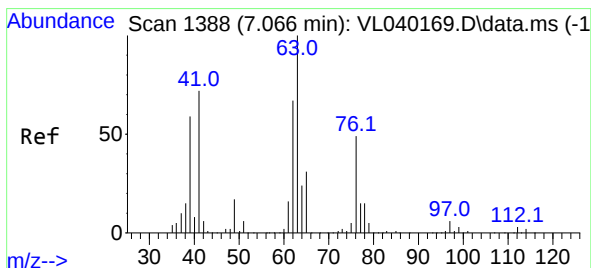
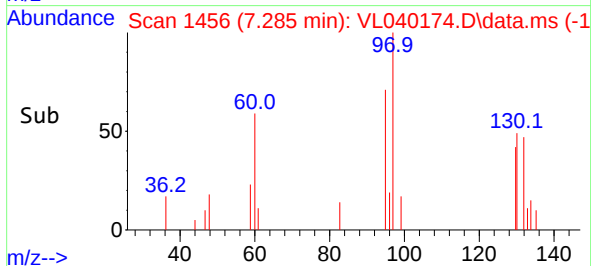
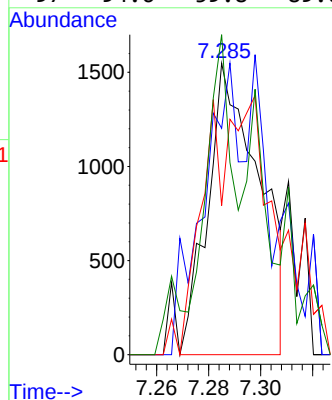
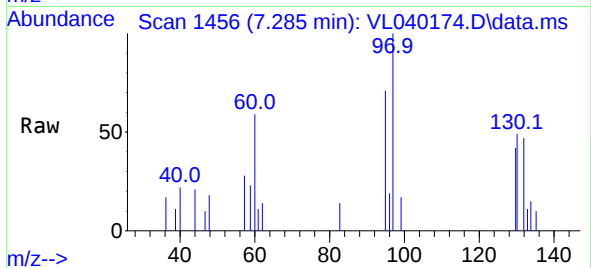
Ion Ratio Lower Upper

130 100

95 37.7 94.7 142.1#

132 51.1 76.4 114.6#

97 94.6 59.8 89.6#



#39

1,2-Dichloropropane

Concen: 8.345 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.415 min

Lab File: VL040174.D

Acq: 15 Feb 2023 13:37

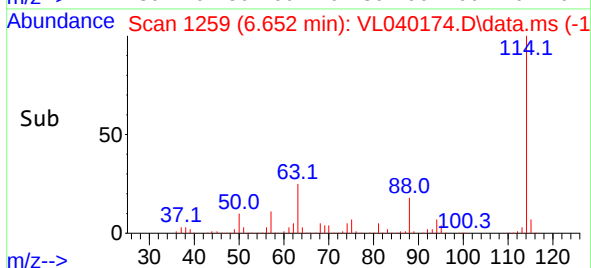
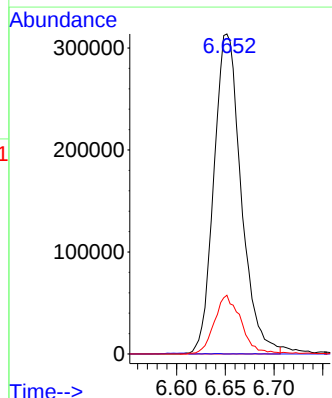
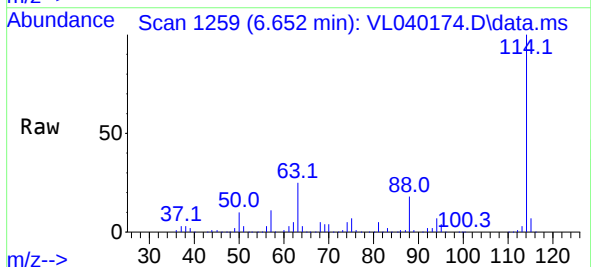
Tgt Ion: 63 Resp: 611649

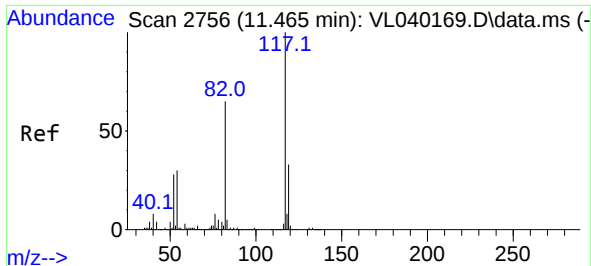
Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 18.4 54.0 81.0#

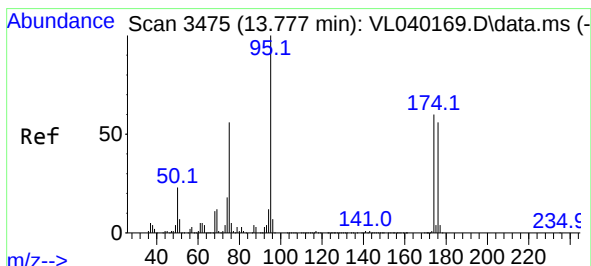
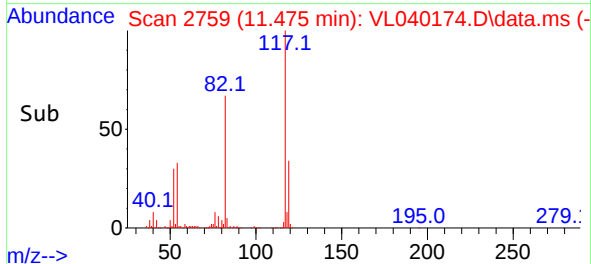
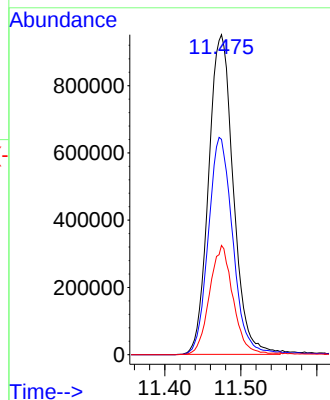
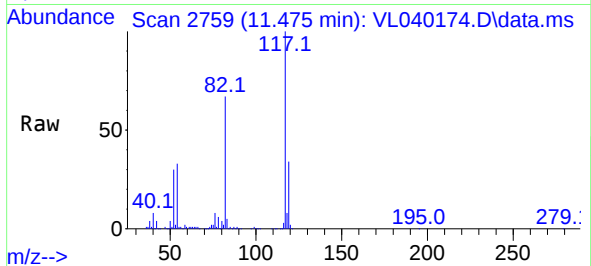




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 2148819
Ion Ratio Lower Upper
117 100
82 68.4 53.3 79.9
119 33.2 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.987 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.010 min
Lab File: VL040174.D
Acq: 15 Feb 2023 13:37

Tgt Ion: 95 Resp: 1764622
Ion Ratio Lower Upper
95 100
174 60.9 48.2 72.2
175 4.3 3.4 5.2

