

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040234.D
 Acq On : 27 Feb 2023 13:58
 Operator : SY/MD
 Sample : 01705-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 02212023-INFLUENT

Quant Time: Feb 28 00:18:43 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 : Tue Feb 28 00:12:21 2023
 Response via : Initial Calibration

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

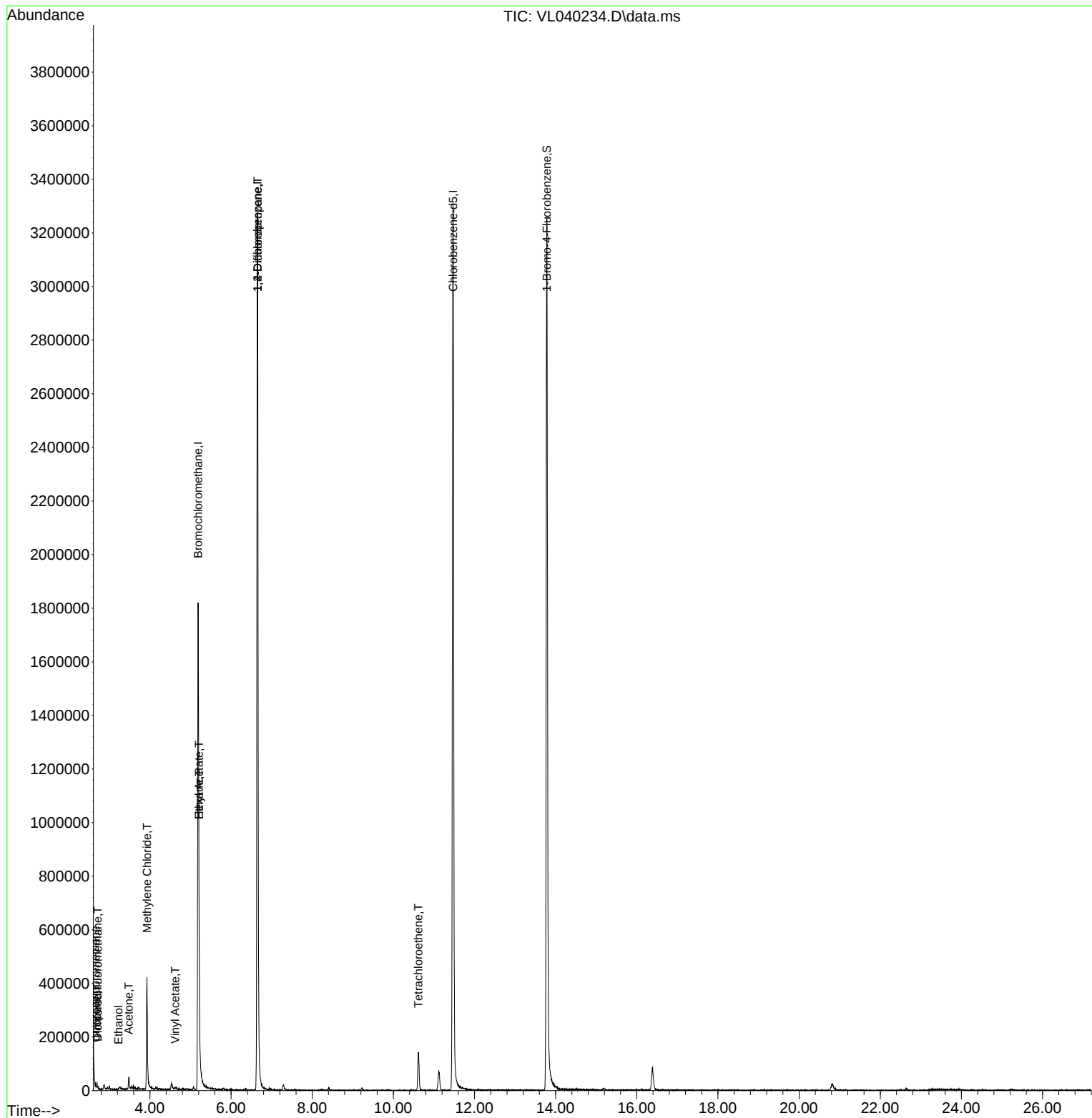
Internal Standards						
1) Bromochloromethane	5.189	49	913187	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2393507	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2087972	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1636192	9.530	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	6993	0.041	ppbv	97
3) Chlorodifluoromethane	2.661	51	5667	0.052	ppbv #	76
9) Propene	2.693	41	6184	0.139	ppbv	85
13) Ethanol	3.227	45	498	0.122	ppbv #	41
15) Acetone	3.475	43	33951	0.309	ppbv	96
20) Methylene Chloride	3.928	84	139884	2.444	ppbv	97
23) Vinyl Acetate	4.623	43	1871	0.056	ppbv #	52
25) Ethyl Acetate	5.208	43	88556	0.433	ppbv #	77
26) Hexane	5.208	57	121724	1.387	ppbv #	39
39) 1,2-Dichloropropane	6.652	63	622312	8.588	ppbv #	25
52) Tetrachloroethene	10.616	164	20349	0.350	ppbv	93

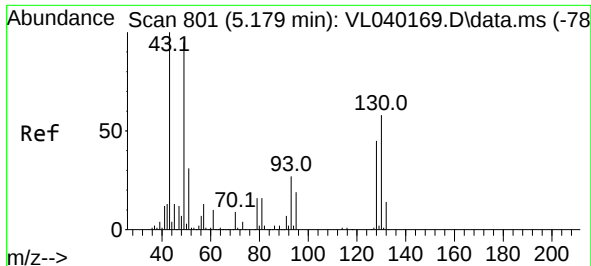
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 28 00:18:43 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 : Tue Feb 28 00:12:21 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.189 min Scan# 80

Delta R.T. 0.007 min

Lab File: VL040234.D

Acq: 27 Feb 2023 13:58

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

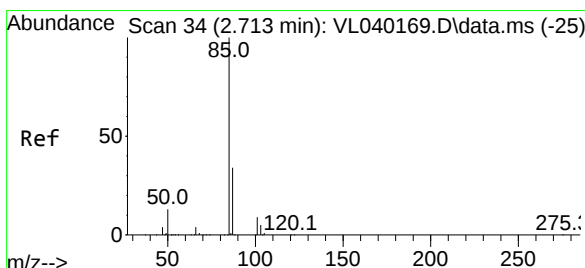
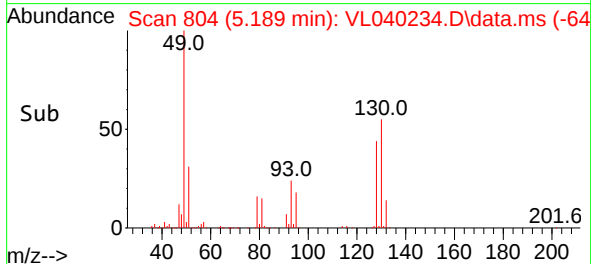
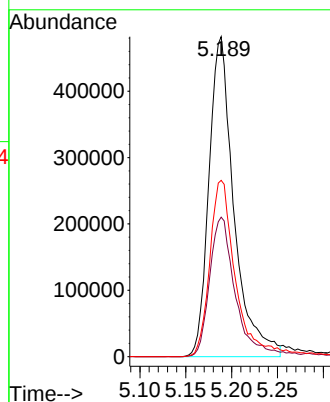
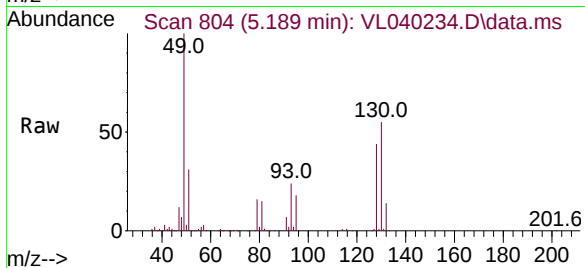
Tgt Ion: 49 Resp: 913187

Ion Ratio Lower Upper

49 100

128 46.8 24.1 72.3

130 59.1 30.9 92.8



#2

Dichlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.716 min Scan# 35

Delta R.T. 0.000 min

Lab File: VL040234.D

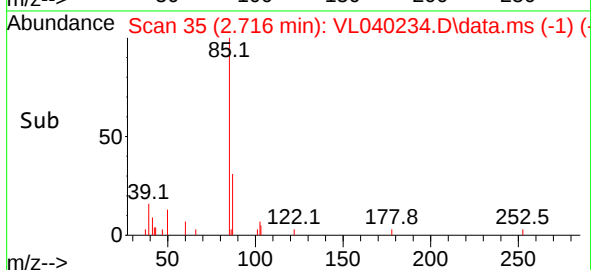
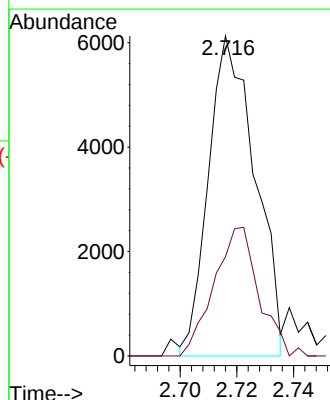
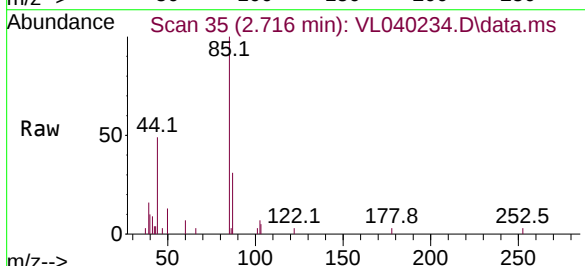
Acq: 27 Feb 2023 13:58

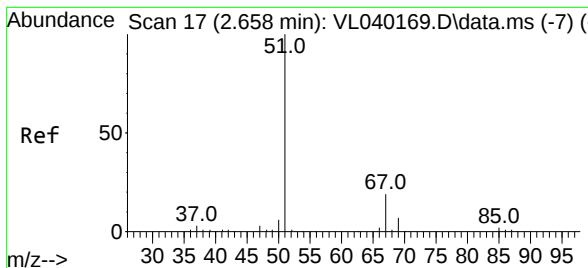
Tgt Ion: 85 Resp: 6993

Ion Ratio Lower Upper

85 100

87 31.9 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.052 ppbv

RT: 2.661 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040234.D

Acq: 27 Feb 2023 13:58

Instrument :

MSVOA_L

ClientSampleId :

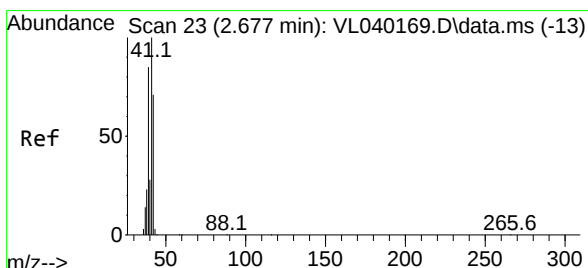
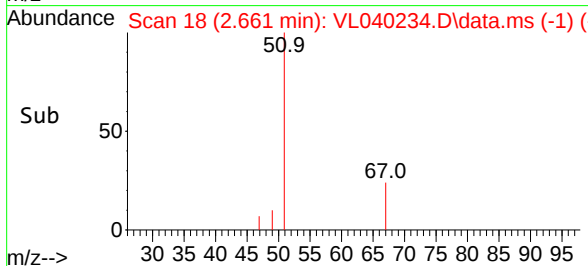
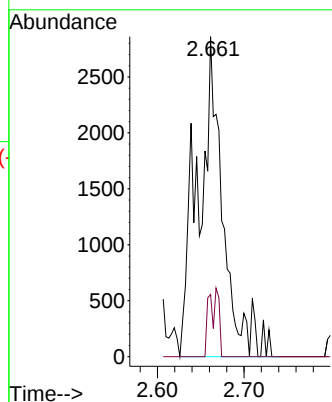
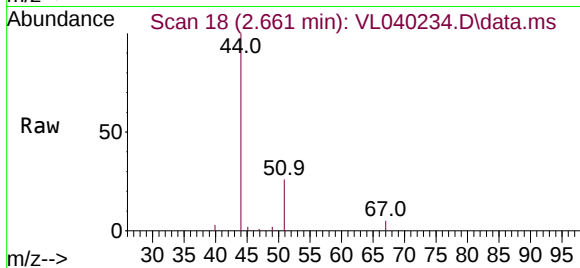
02212023-INFLUENT

Tgt Ion: 51 Resp: 5667

Ion Ratio Lower Upper

51 100

67 8.4 15.4 23.2#



#9

Propene

Concen: 0.139 ppbv

RT: 2.693 min Scan# 28

Delta R.T. 0.013 min

Lab File: VL040234.D

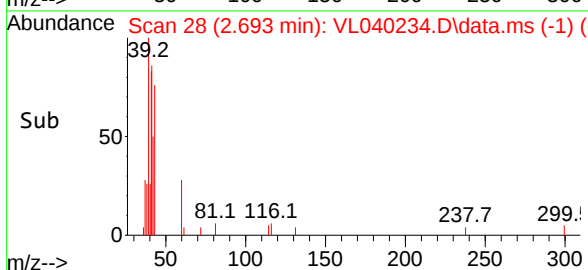
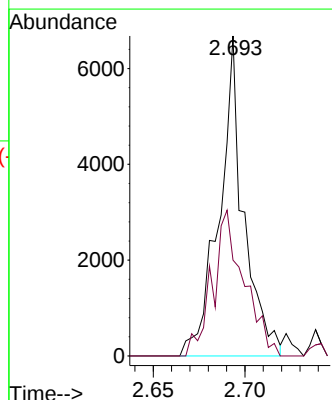
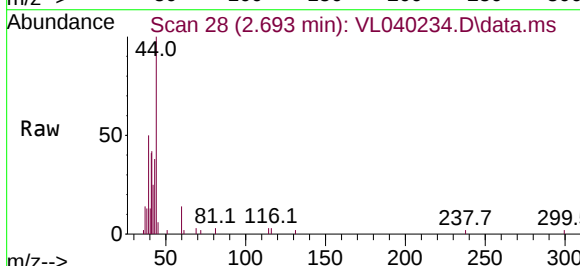
Acq: 27 Feb 2023 13:58

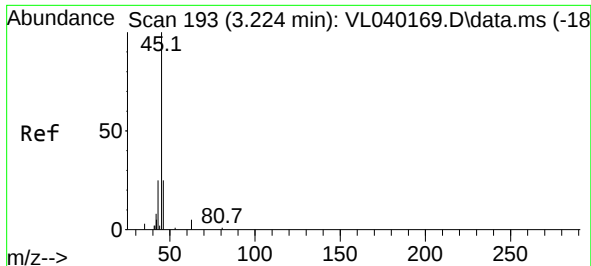
Tgt Ion: 41 Resp: 6184

Ion Ratio Lower Upper

41 100

42 58.6 56.9 85.3

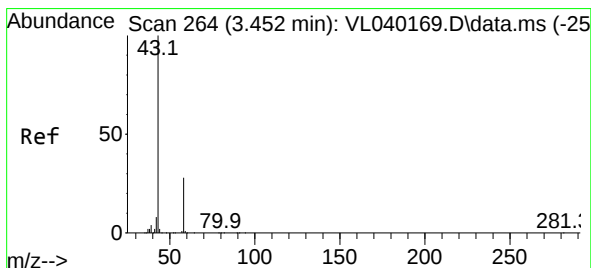
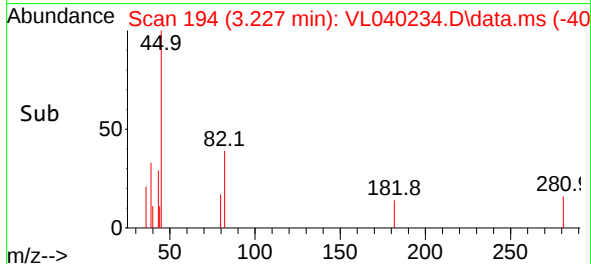
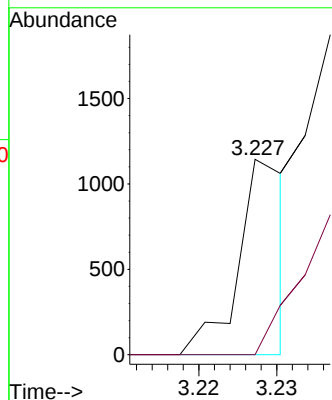
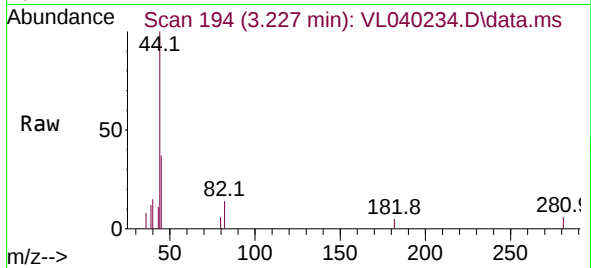




#13
Ethanol
Concen: 0.122 ppbv
RT: 3.227 min Scan# 193
Delta R.T. -0.006 min
Lab File: VL040234.D
Acq: 27 Feb 2023 13:58

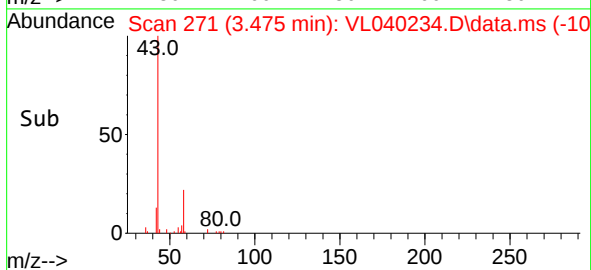
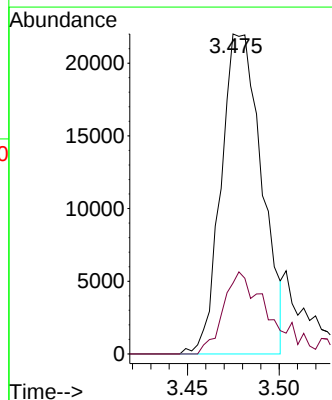
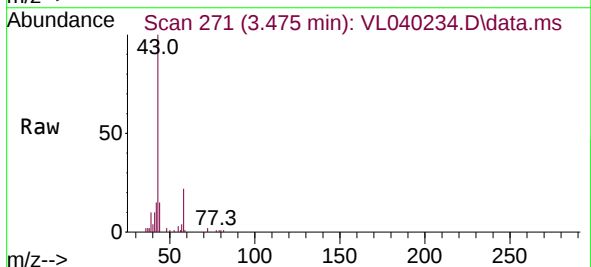
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

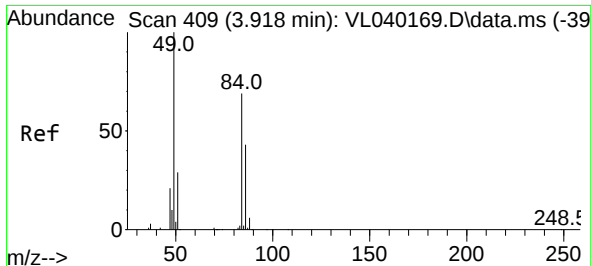
Tgt Ion: 45 Resp: 498
Ion Ratio Lower Upper
45 100
46 0.0 13.3 53.1#



#15
Acetone
Concen: 0.309 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.019 min
Lab File: VL040234.D
Acq: 27 Feb 2023 13:58

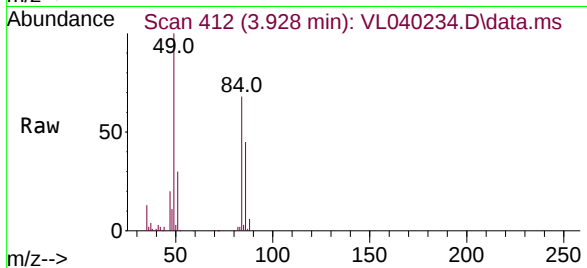
Tgt Ion: 43 Resp: 33951
Ion Ratio Lower Upper
43 100
58 29.9 22.4 33.6



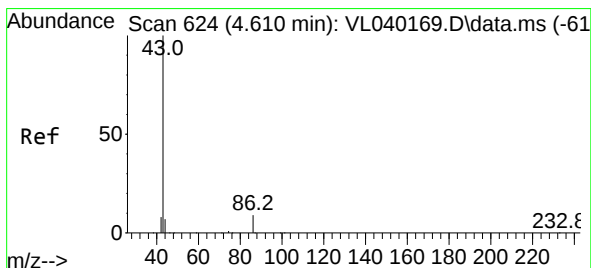
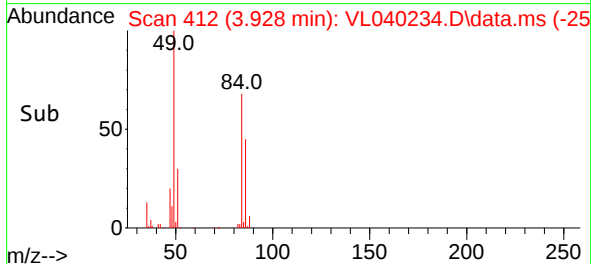
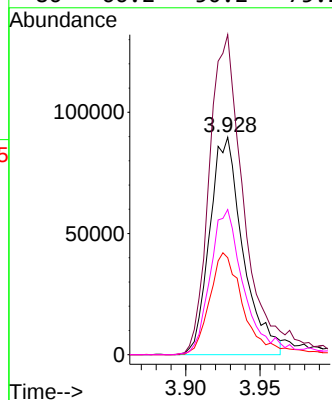


#20
Methylene Chloride
Concen: 2.444 ppbv
RT: 3.928 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL040234.D
Acq: 27 Feb 2023 13:58

Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

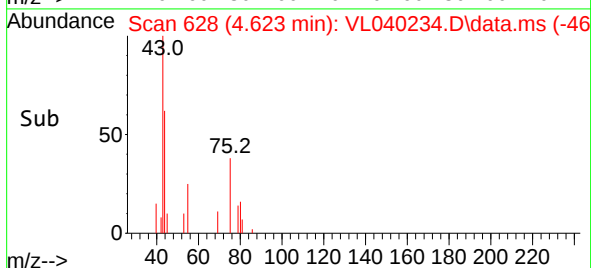
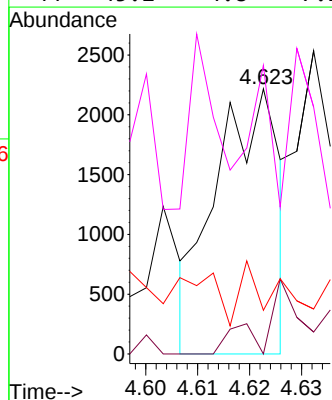
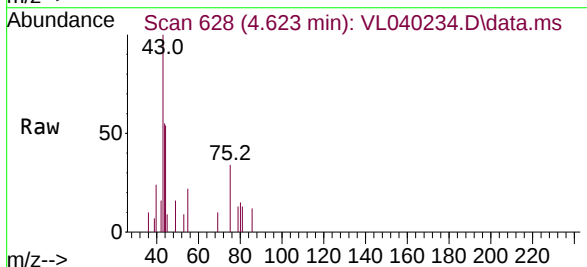


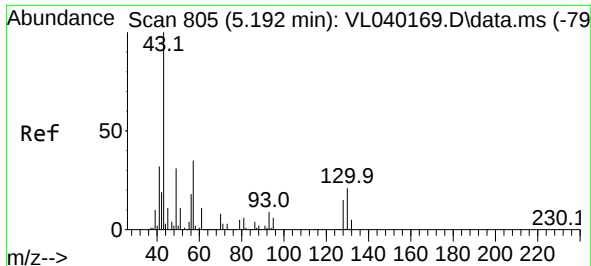
Tgt Ion: 84 Resp: 139884
Ion Ratio Lower Upper
84 100
49 146.7 115.5 173.3
51 44.2 33.1 49.7
86 66.2 50.2 75.2



#23
Vinyl Acetate
Concen: 0.056 ppbv
RT: 4.623 min Scan# 628
Delta R.T. 0.010 min
Lab File: VL040234.D
Acq: 27 Feb 2023 13:58

Tgt Ion: 43 Resp: 1871
Ion Ratio Lower Upper
43 100
86 0.0 5.6 8.4#
42 0.0 7.6 11.4#
44 45.2 4.8 7.2#

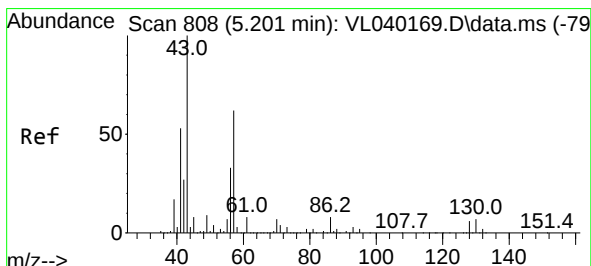
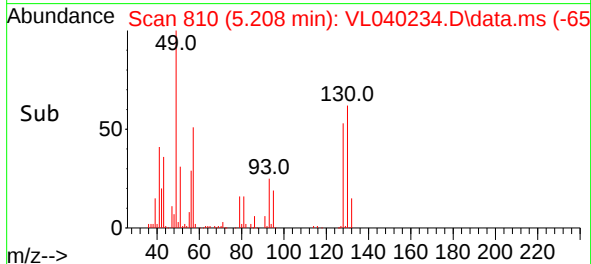
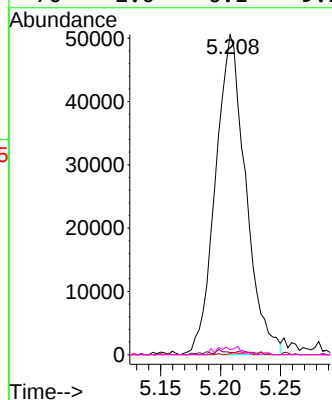
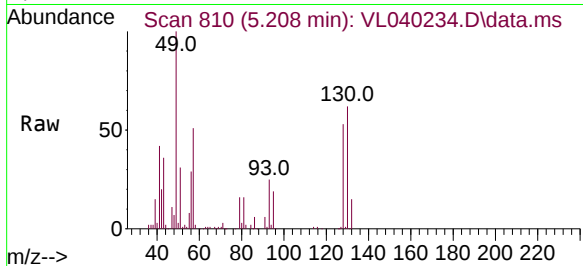




#25
Ethyl Acetate
Concen: 0.433 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.013 min
Lab File: VL040234.D
Acq: 27 Feb 2023 13:58

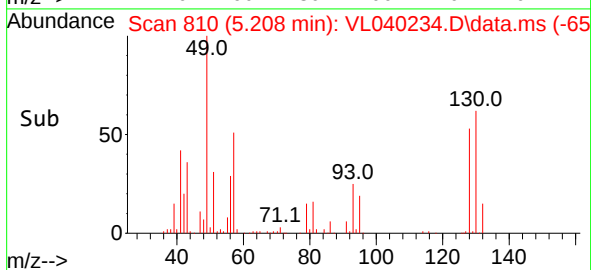
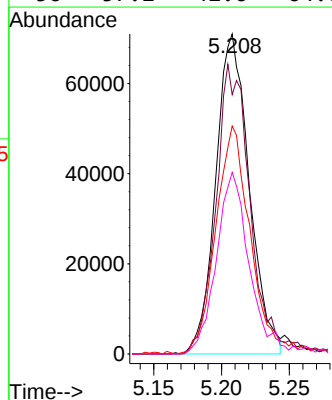
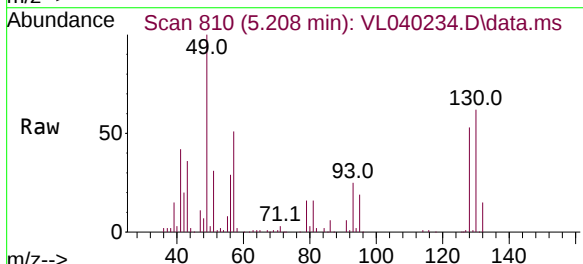
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

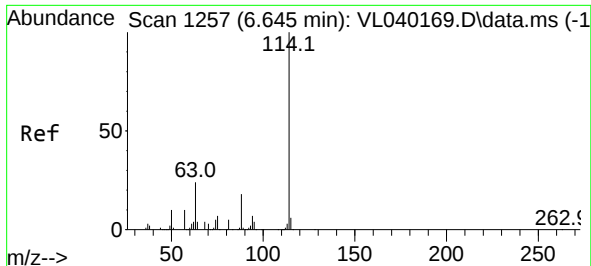
Tgt Ion: 43	Resp: 88556
Ion Ratio	Lower Upper
43 100	
45 1.8	8.3 12.5#
61 0.5	8.4 12.6#
70 2.0	6.1 9.1#



#26
Hexane
Concen: 1.387 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL040234.D
Acq: 27 Feb 2023 13:58

Tgt Ion: 57	Resp: 121724
Ion Ratio	Lower Upper
57 100	
41 94.6	74.3 111.5
43 76.3	193.0 289.4#
56 57.2	42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VL040234.D

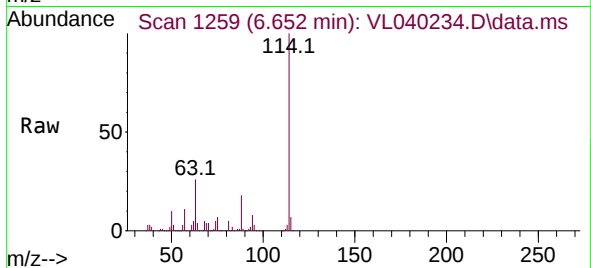
Acq: 27 Feb 2023 13:58

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT



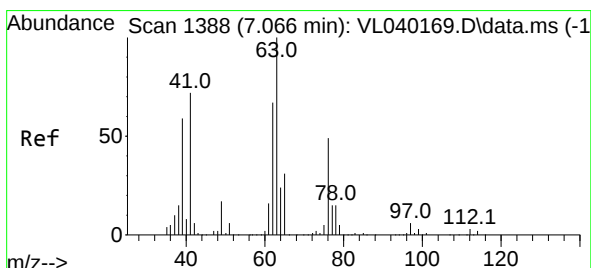
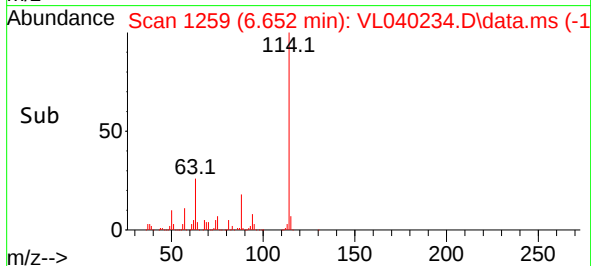
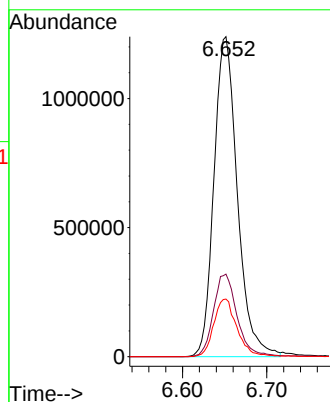
Tgt Ion:114 Resp: 2393507

Ion Ratio Lower Upper

114 100

63 26.4 20.4 30.6

88 18.1 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.588 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. -0.418 min

Lab File: VL040234.D

Acq: 27 Feb 2023 13:58

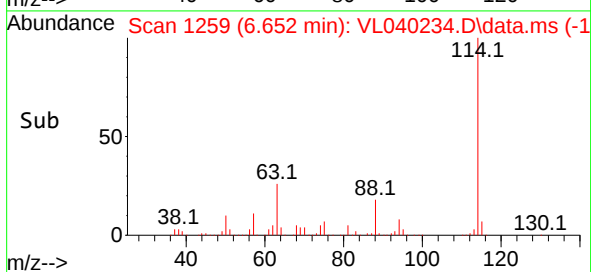
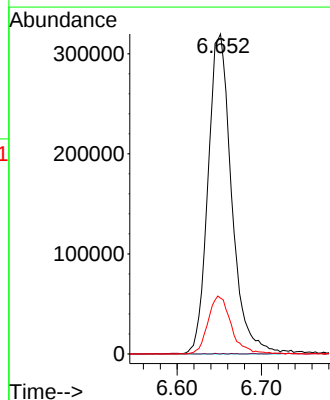
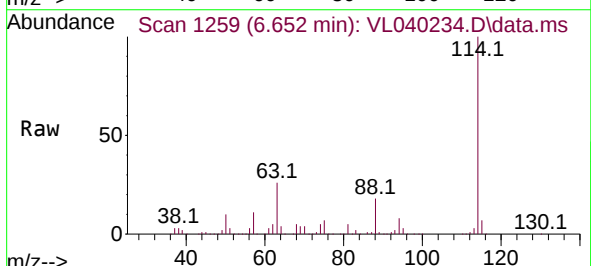
Tgt Ion: 63 Resp: 622312

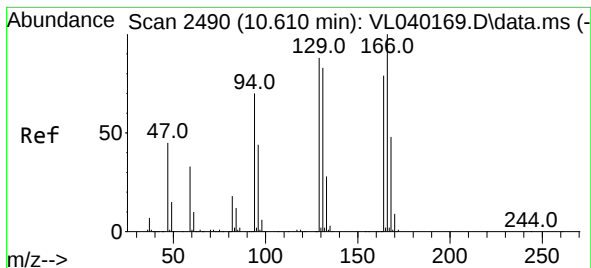
Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 17.4 54.0 81.0#





#52

Tetrachloroethene

Concen: 0.350 ppbv

RT: 10.616 min Scan# 2490

Delta R.T. -0.003 min

Lab File: VL040234.D

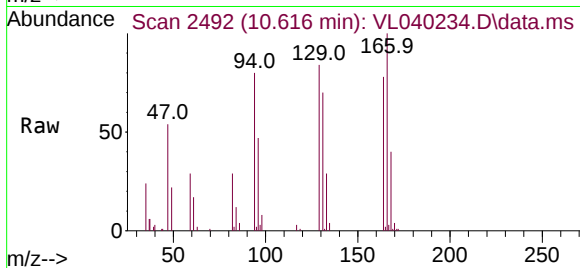
Acq: 27 Feb 2023 13:58

Instrument :

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Tgt Ion:164 Resp: 20349

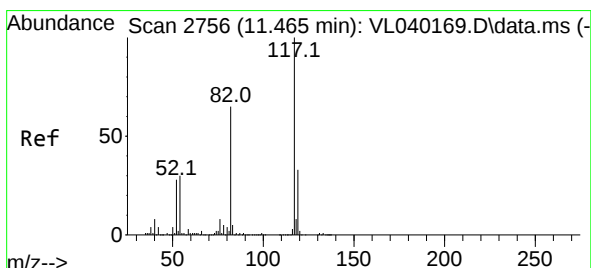
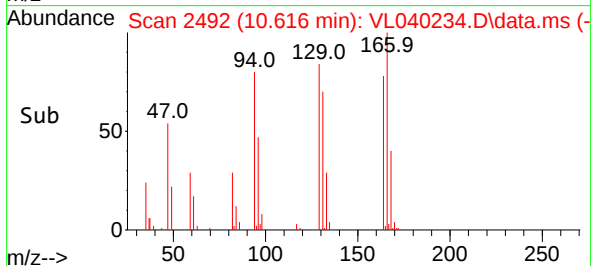
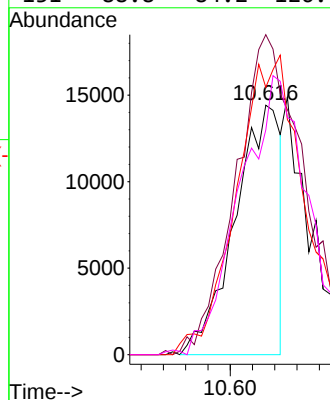
Ion Ratio Lower Upper

164 100

166 126.9 101.5 152.3

129 102.8 89.0 133.4

131 88.8 84.2 126.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2758

Delta R.T. 0.003 min

Lab File: VL040234.D

Acq: 27 Feb 2023 13:58

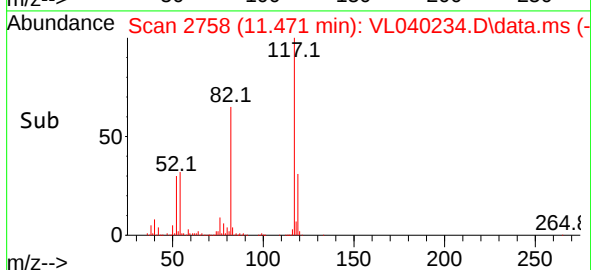
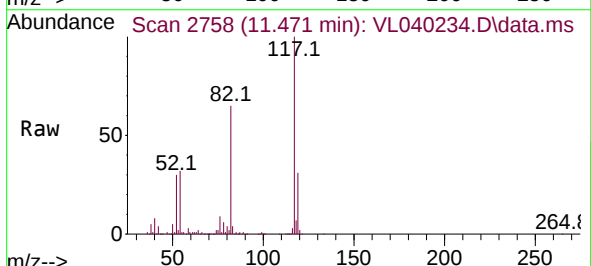
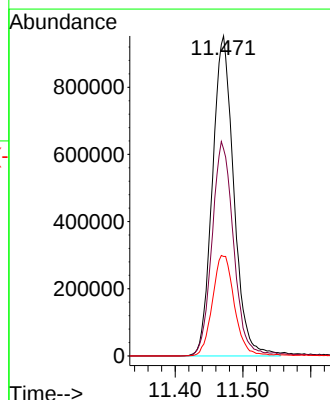
Tgt Ion:117 Resp: 2087972

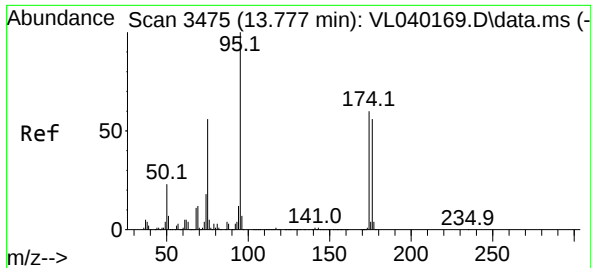
Ion Ratio Lower Upper

117 100

82 68.4 53.3 79.9

119 32.8 24.6 37.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.530 ppbv

RT: 13.780 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL040234.D

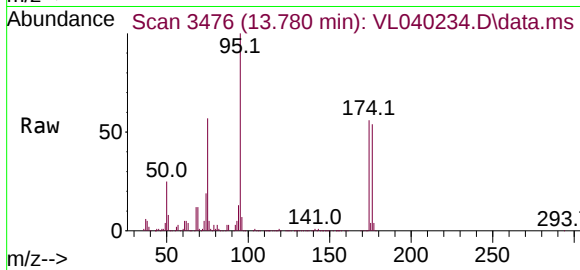
Acq: 27 Feb 2023 13:58

Instrument :

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Tgt Ion: 95 Resp: 1636192

Ion Ratio Lower Upper

95 100

174 58.6 48.2 72.2

175 4.2 3.4 5.2

