

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039881.D
 Acq On : 11 Nov 2022 2:25
 Operator : SY/AP
 Sample : N5584-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 05:05:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

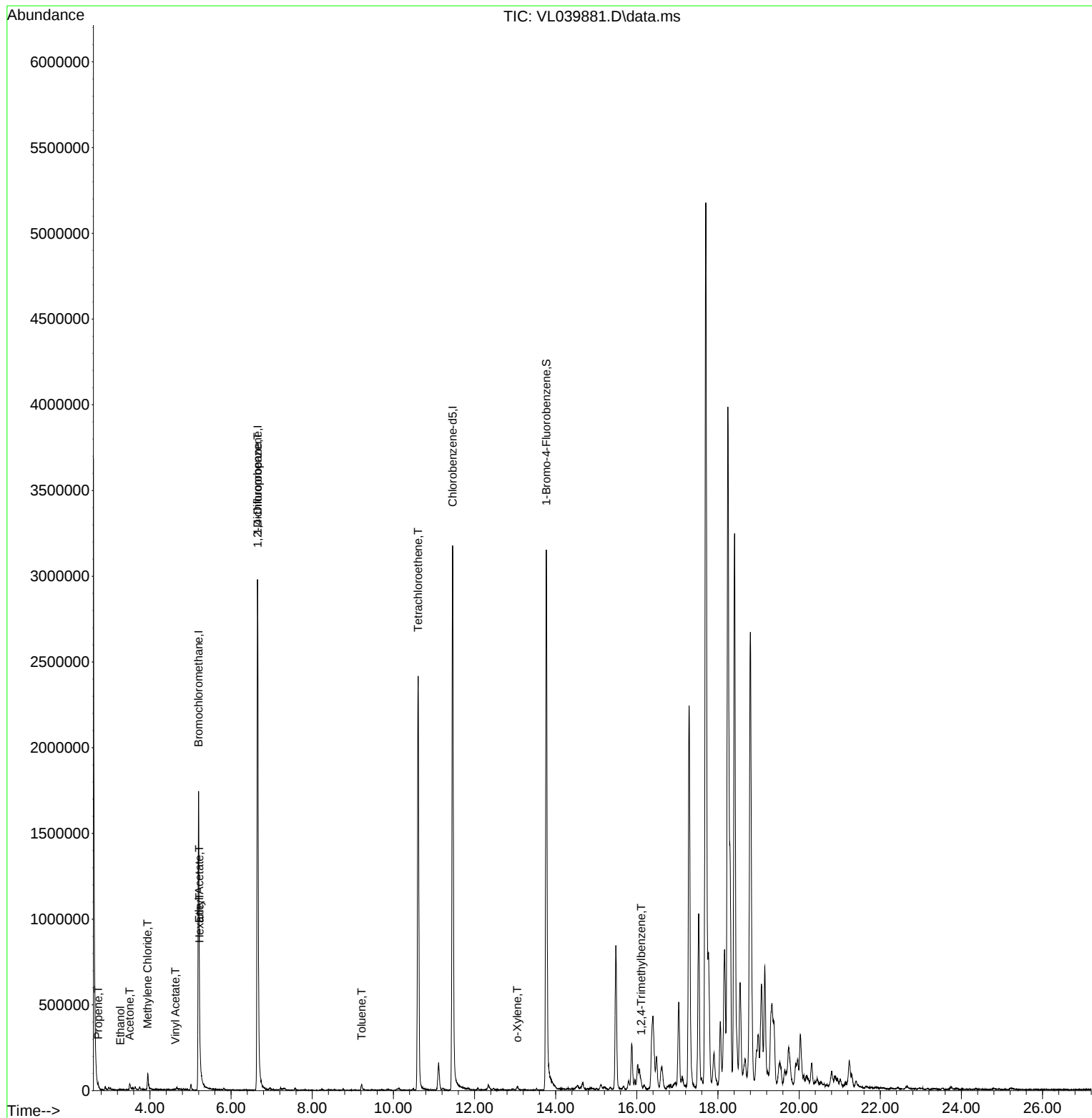
Internal Standards						
1) Bromochloromethane	5.198	49	933853	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.652	114	2465601	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2128340	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1651051	10.364	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%
Target Compounds						
					Qvalue	
9) Propene	2.726	41	5981	0.103	ppbv	88
13) Ethanol	3.275	45	1527	0.372	ppbv #	34
15) Acetone	3.501	43	33047	0.291	ppbv #	79
20) Methylene Chloride	3.944	84	31670	0.779	ppbv #	83
23) Vinyl Acetate	4.629	43	1429	0.032	ppbv #	1
25) Ethyl Acetate	5.218	43	25090	0.107	ppbv #	75
26) Hexane	5.221	57	36619	0.351	ppbv #	38
39) 1,2-Dichloropropane	6.655	63	616627	7.609	ppbv #	27
52) Tetrachloroethene	10.610	164	602340	7.730	ppbv	90
53) Toluene	9.217	91	17001	0.071	ppbv #	19
60) o-Xylene	13.053	91	11126	0.049	ppbv	76
74) 1,2,4-Trimethylbenzene	16.105	105	29460	0.122	ppbv #	68

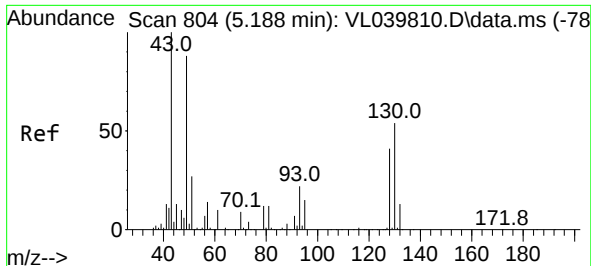
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :

Quant Time: Nov 11 05:05:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Nov 03 09:27:12 2022
Response via : Initial Calibration

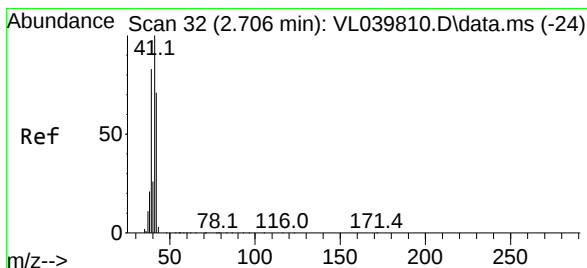
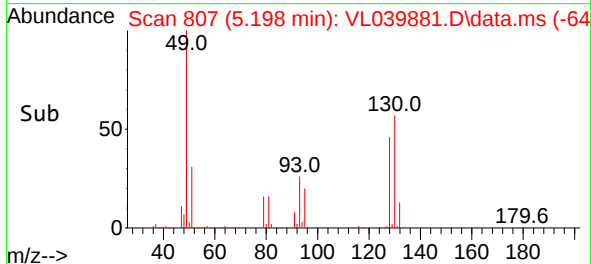
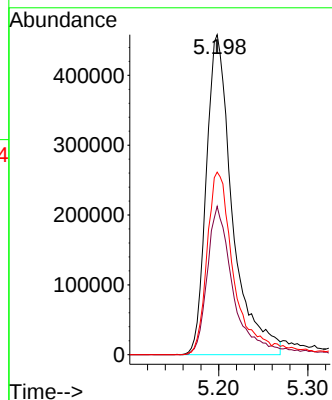
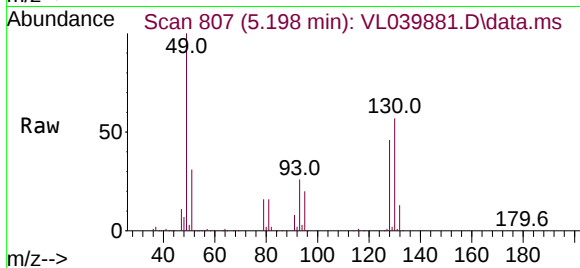




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

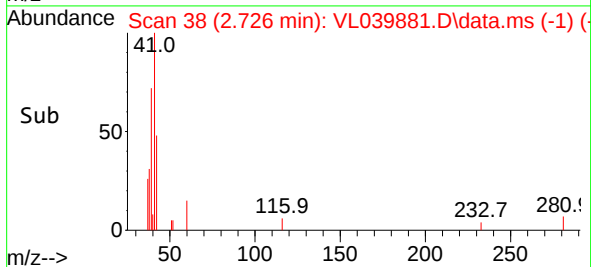
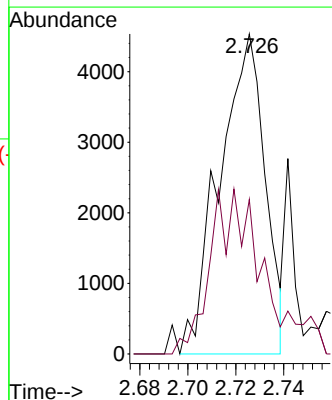
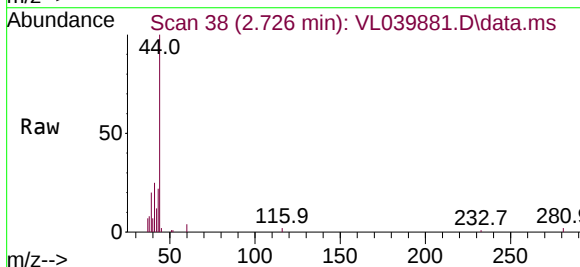
Instrument :
MSVOA_L
ClientSampleId :

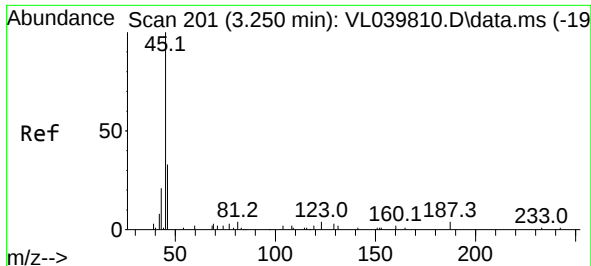
Tgt Ion: 49 Resp: 933853
Ion Ratio Lower Upper
49 100
128 47.5 24.6 73.6
130 61.7 31.1 93.2



#9
Propene
Concen: 0.103 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.019 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

Tgt Ion: 41 Resp: 5981
Ion Ratio Lower Upper
41 100
42 60.3 56.3 84.5

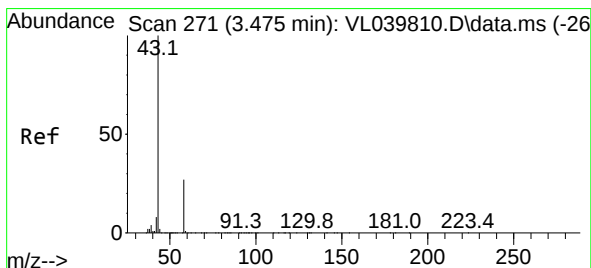
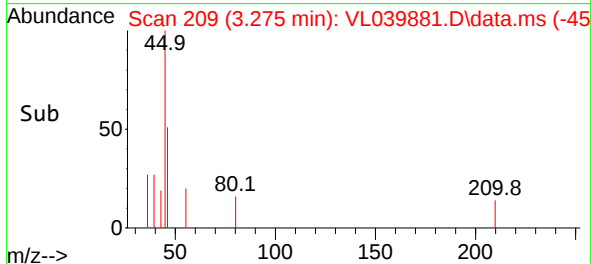
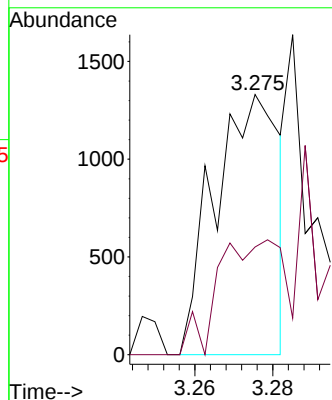
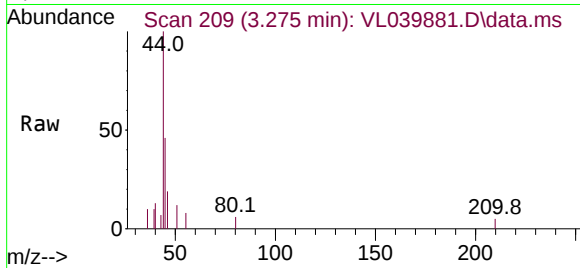




#13
Ethanol
Concen: 0.372 ppbv
RT: 3.275 min Scan# 201
Delta R.T. 0.026 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

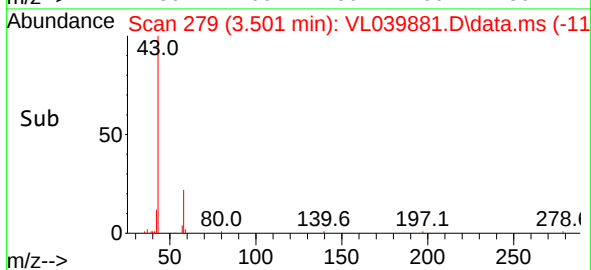
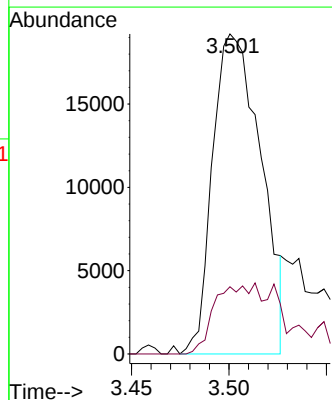
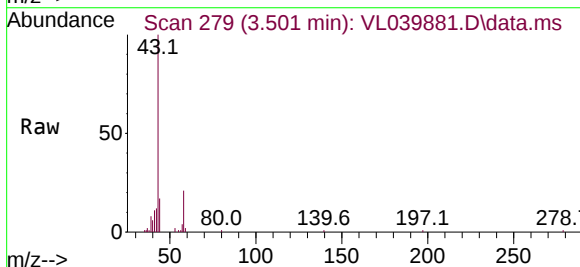
Instrument :
MSVOA_L
ClientSampleId :

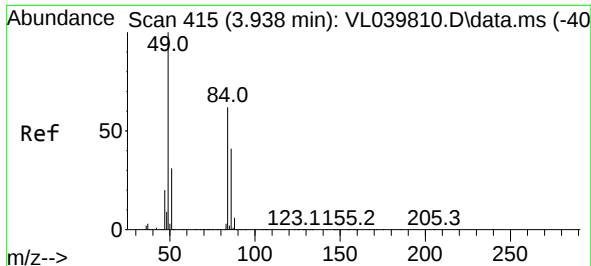
Tgt Ion: 45 Resp: 1527
Ion Ratio Lower Upper
45 100
46 0.0 16.5 65.9#



#15
Acetone
Concen: 0.291 ppbv
RT: 3.501 min Scan# 279
Delta R.T. 0.026 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

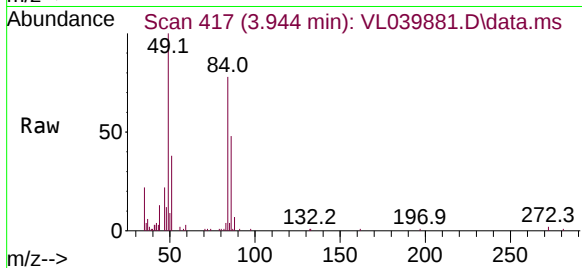
Tgt Ion: 43 Resp: 33047
Ion Ratio Lower Upper
43 100
58 40.0 23.2 34.8#



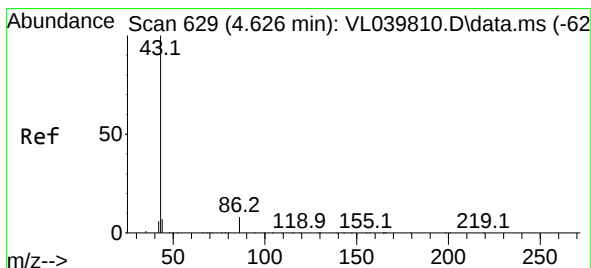
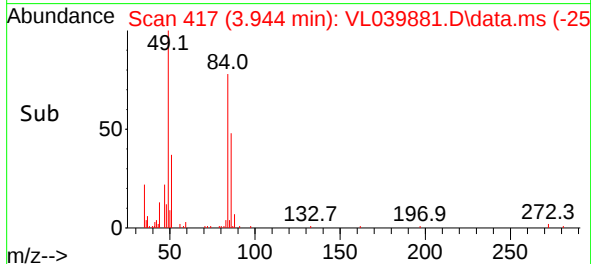
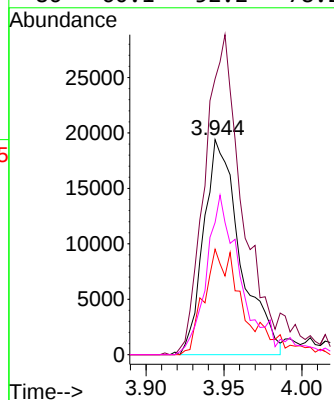


#20
Methylene Chloride
Concen: 0.779 ppbv
RT: 3.944 min Scan# 415
Delta R.T. 0.007 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

Instrument :
MSVOA_L
ClientSampleId :

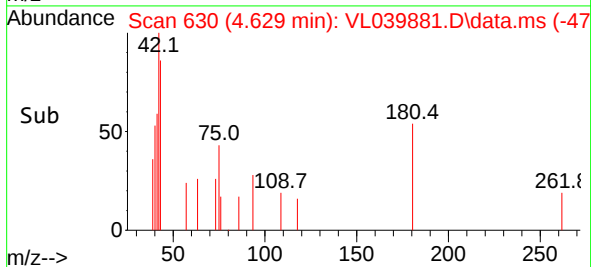
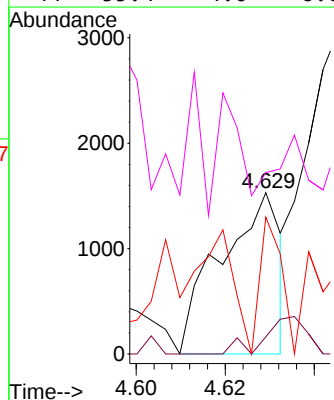
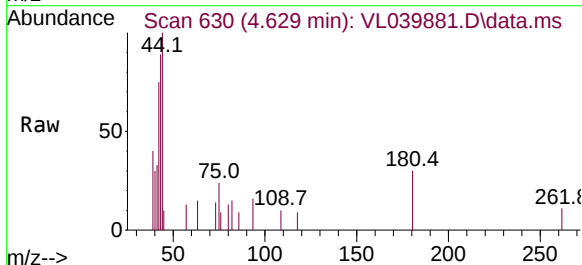


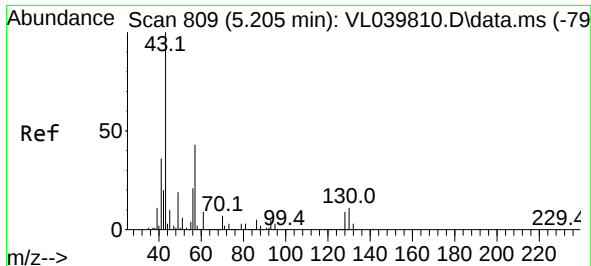
Tgt Ion: 84 Resp: 31670
Ion Ratio Lower Upper
84 100
49 125.3 128.6 192.8#
51 49.1 40.2 60.4
86 60.1 52.2 78.2



#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 4.629 min Scan# 630
Delta R.T. 0.003 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

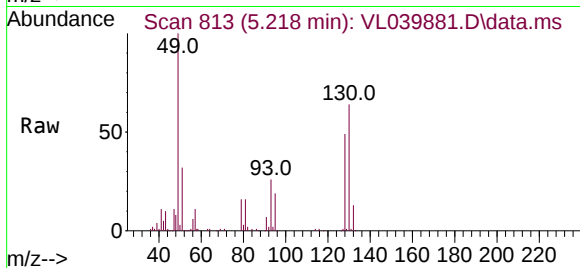
Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
86 42.2 5.0 7.4#
42 197.9 6.8 10.2#
44 55.4 4.0 6.0#



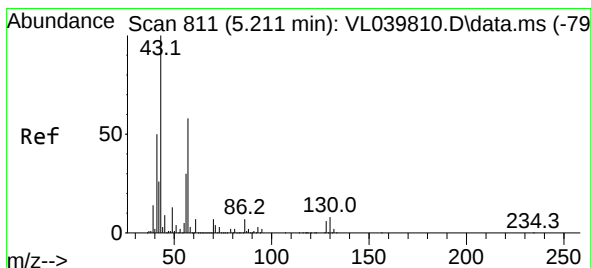
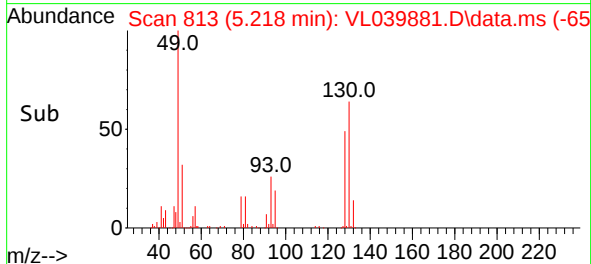
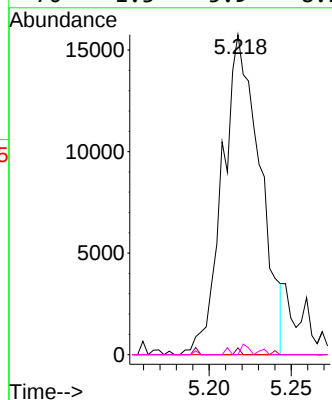


#25
Ethyl Acetate
Concen: 0.107 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.013 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

Instrument :
MSVOA_L
ClientSampleId :

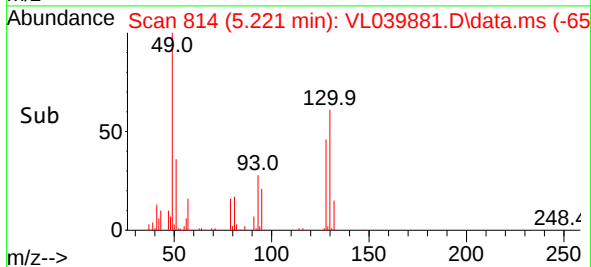
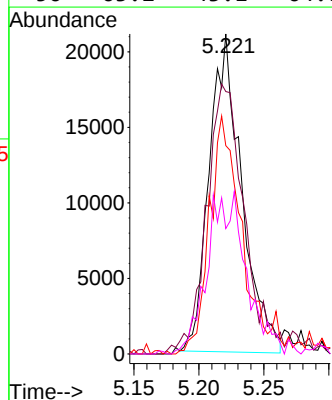
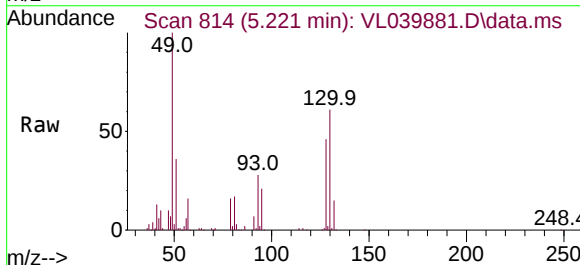


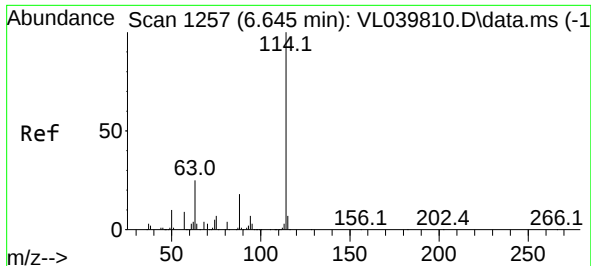
Tgt Ion: 43 Resp: 25090
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.2#
61 0.0 8.1 12.1#
70 1.3 5.9 8.9#



#26
Hexane
Concen: 0.351 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.010 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

Tgt Ion: 57 Resp: 36619
Ion Ratio Lower Upper
57 100
41 101.1 73.7 110.5
43 80.7 189.8 284.8#
56 63.2 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL039881.D

Acq: 11 Nov 2022 2:25

Instrument :

MSVOA_L

ClientSampleId :

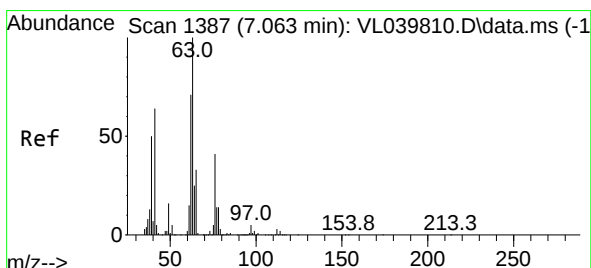
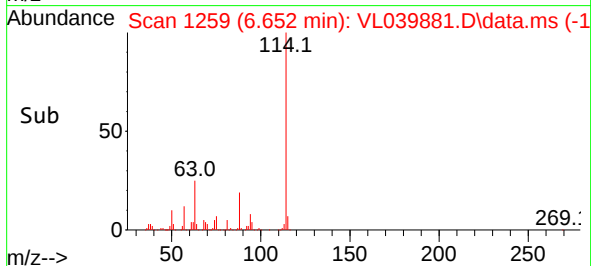
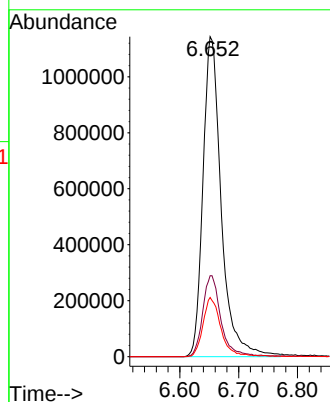
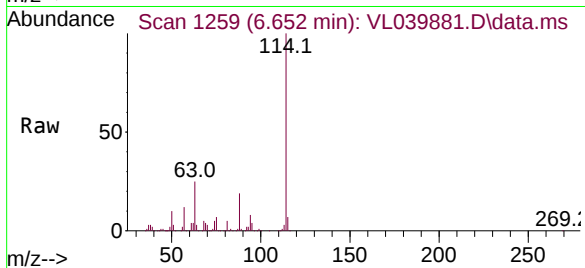
Tgt Ion:114 Resp: 2465601

Ion Ratio Lower Upper

114 100

63 25.7 19.8 29.6

88 18.3 14.4 21.6



#39

1,2-Dichloropropane

Concen: 7.609 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.408 min

Lab File: VL039881.D

Acq: 11 Nov 2022 2:25

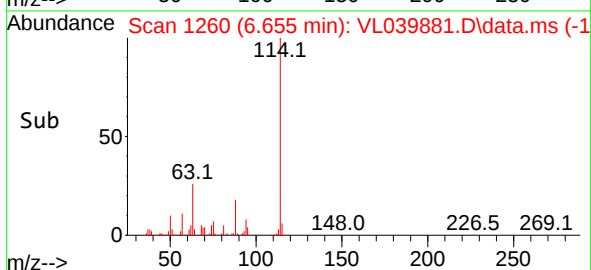
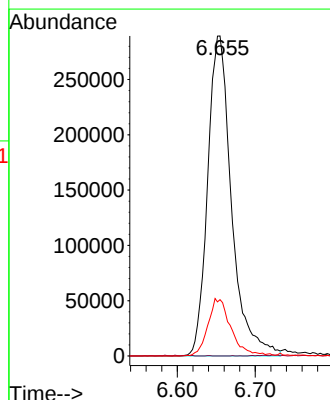
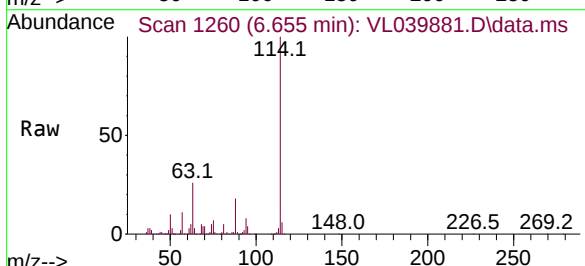
Tgt Ion: 63 Resp: 616627

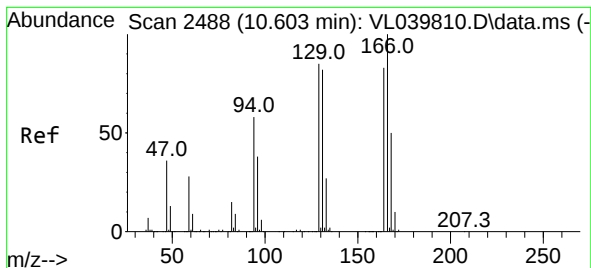
Ion Ratio Lower Upper

63 100

41 0.0 51.0 76.4#

62 17.6 56.6 85.0#





#52

Tetrachloroethene

Concen: 7.730 ppbv

RT: 10.610 min Scan# 24

Delta R.T. 0.007 min

Lab File: VL039881.D

Acq: 11 Nov 2022 2:25

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:164 Resp: 602340

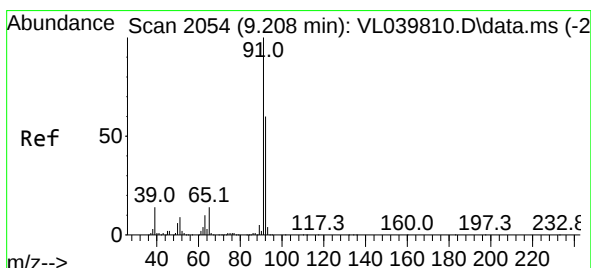
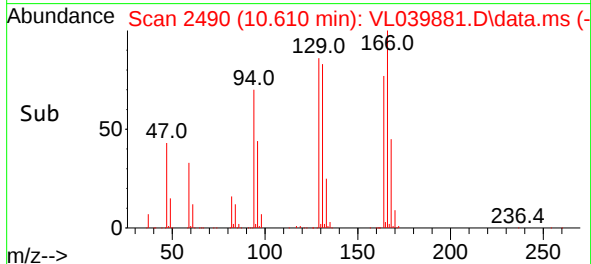
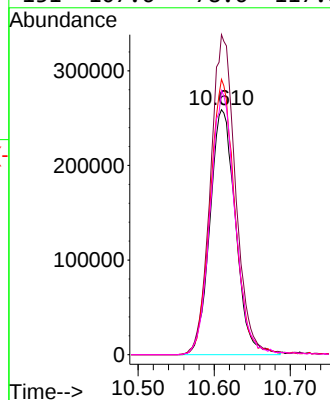
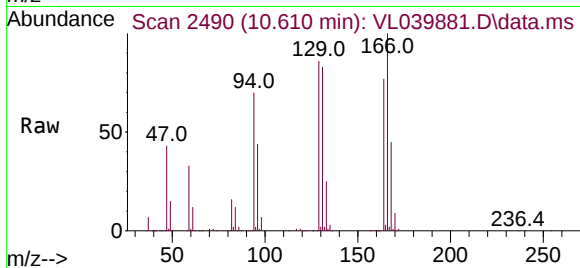
Ion Ratio Lower Upper

164 100

166 130.6 96.0 144.0

129 112.2 81.4 122.2

131 107.6 78.6 117.8



#53

Toluene

Concen: 0.071 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.010 min

Lab File: VL039881.D

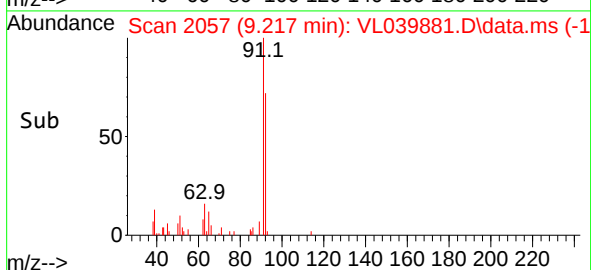
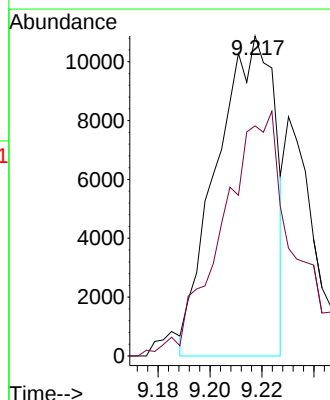
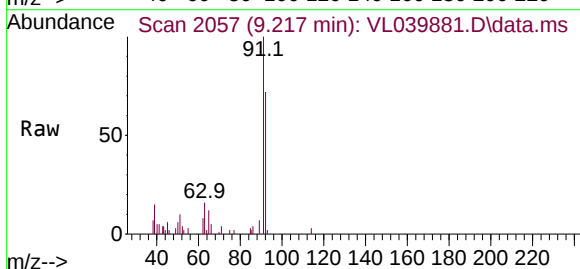
Acq: 11 Nov 2022 2:25

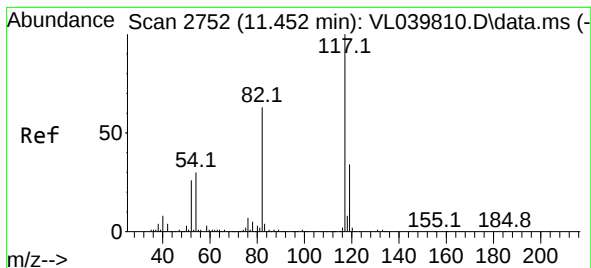
Tgt Ion: 91 Resp: 17001

Ion Ratio Lower Upper

91 100

92 0.0 49.6 74.4#

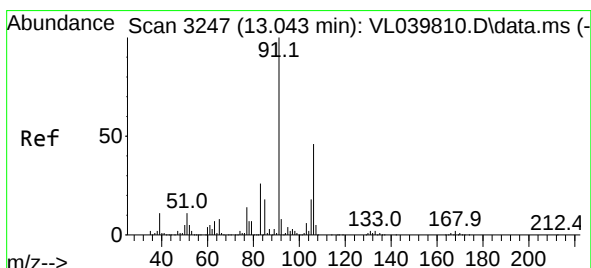
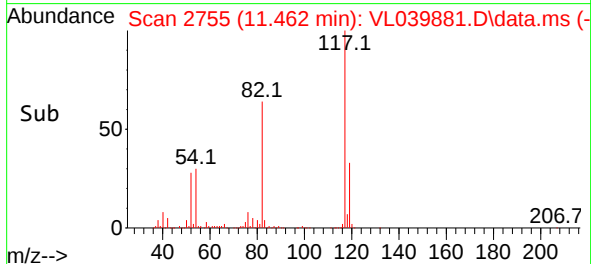
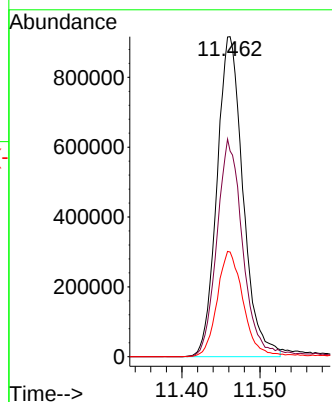
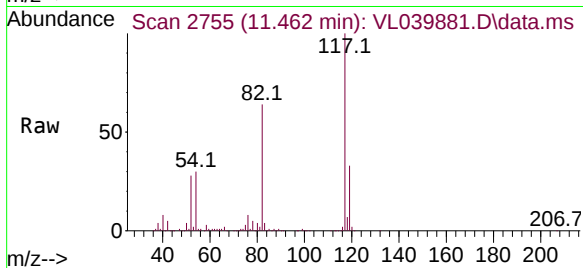




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

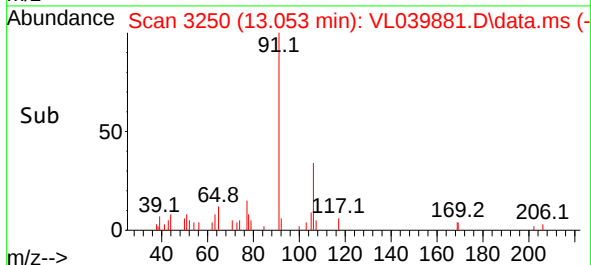
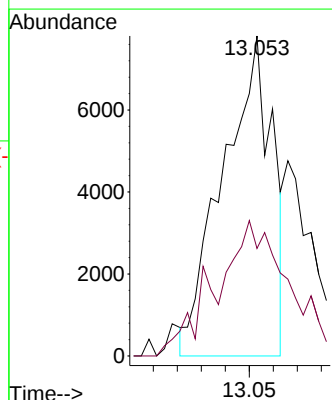
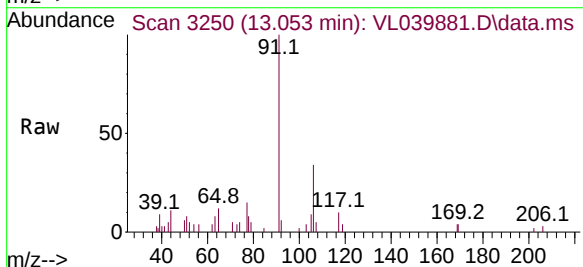
Instrument :
MSVOA_L
ClientSampleId :

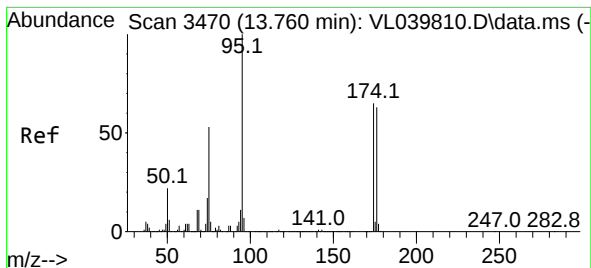
Tgt Ion:117 Resp: 2128340
Ion Ratio Lower Upper
117 100
82 68.8 51.0 76.6
119 33.2 24.7 37.1



#60
o-Xylene
Concen: 0.049 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.010 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

Tgt Ion: 91 Resp: 11126
Ion Ratio Lower Upper
91 100
106 63.0 23.6 70.8

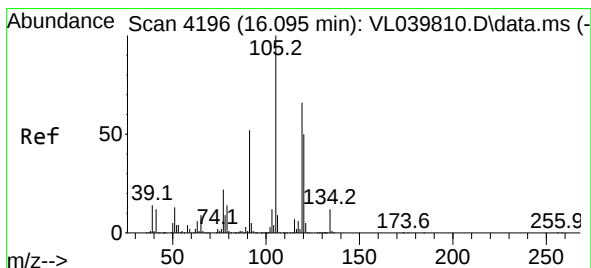
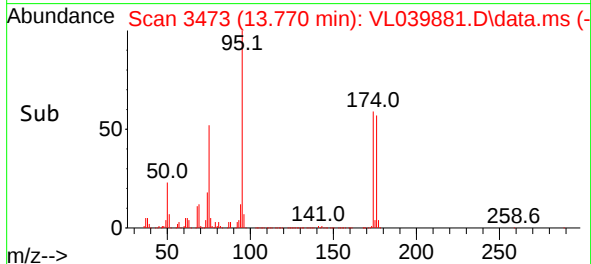
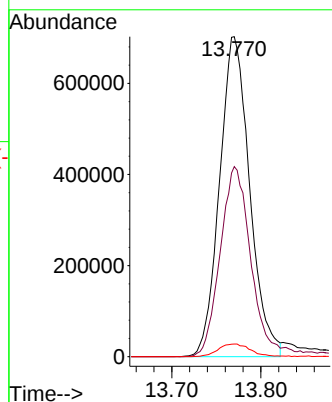
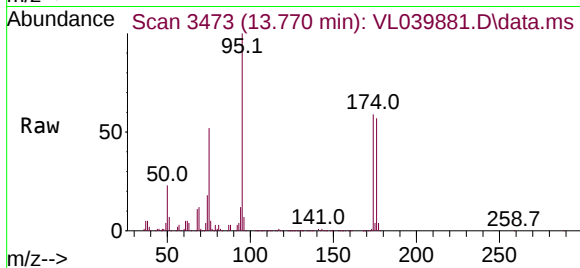




#68
1-Bromo-4-Fluorobenzene
Concen: 10.364 ppbv
RT: 13.770 min Scan# 3470
Delta R.T. 0.010 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1651051
Ion Ratio Lower Upper
95 100
174 63.1 53.4 80.0
175 4.4 4.1 6.1



#74
1,2,4-Trimethylbenzene
Concen: 0.122 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. 0.010 min
Lab File: VL039881.D
Acq: 11 Nov 2022 2:25

Tgt Ion: 105 Resp: 29460
Ion Ratio Lower Upper
105 100
120 46.0 40.2 60.4
91 9.6 42.6 64.0#
77 14.1 17.8 26.8#

