

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041611.D
 Acq On : 18 Sep 2024 17:49
 Operator : SY/MD
 Sample : P4028-03 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 01:35:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

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

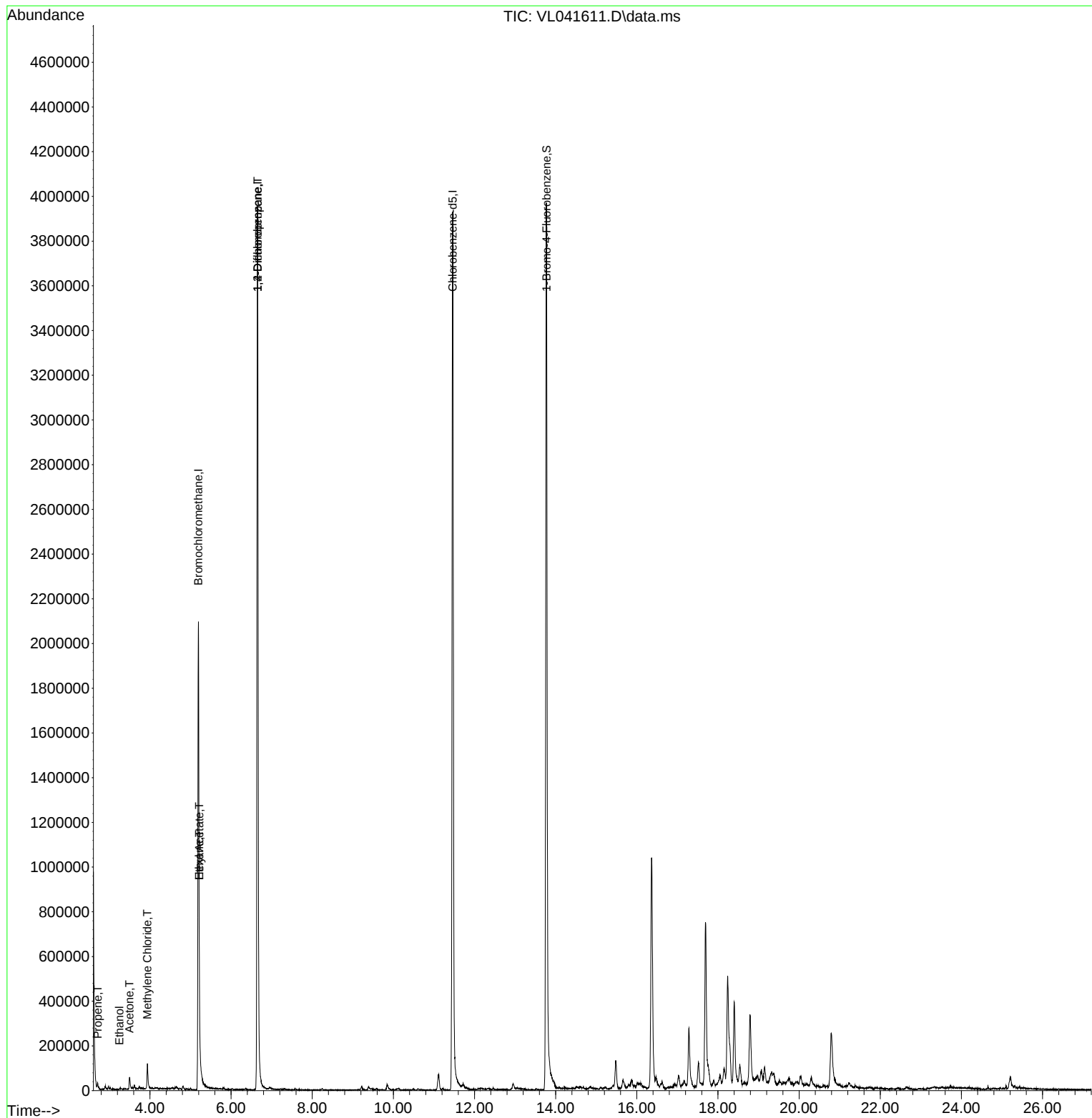
Internal Standards						
1) Bromochloromethane	5.192	49	1126194	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.652	114	3035210	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.462	117	2656767	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2000779	10.230	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds						
					Qvalue	
9) Propene	2.713	41	7319	0.127	ppbv	95
13) Ethanol	3.247	45	154	0.036	ppbv #	37
15) Acetone	3.494	43	57875	0.409	ppbv	91
20) Methylene Chloride	3.938	84	34745	0.654	ppbv	97
25) Ethyl Acetate	5.214	43	17952	0.071	ppbv #	76
26) Hexane	5.214	57	22743	0.215	ppbv #	33
39) 1,2-Dichloropropane	6.652	63	758631	8.846	ppbv #	24

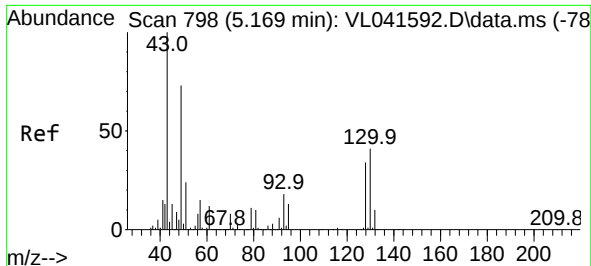
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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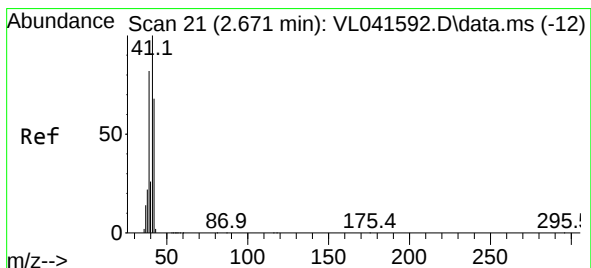
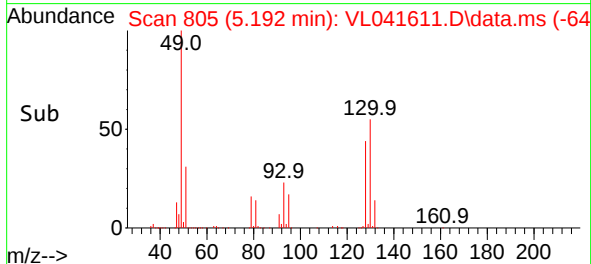
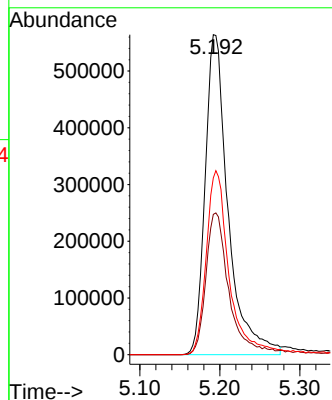
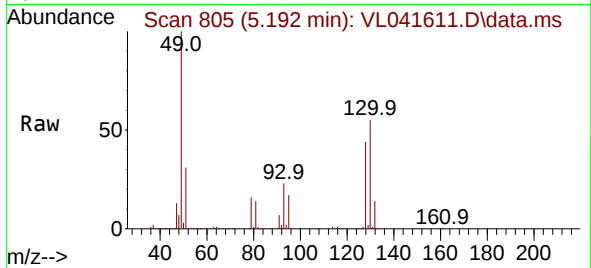




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.023 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

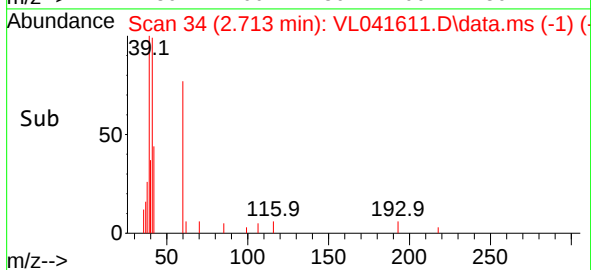
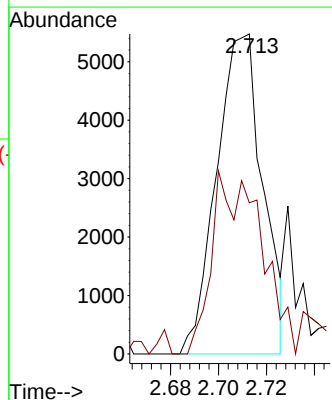
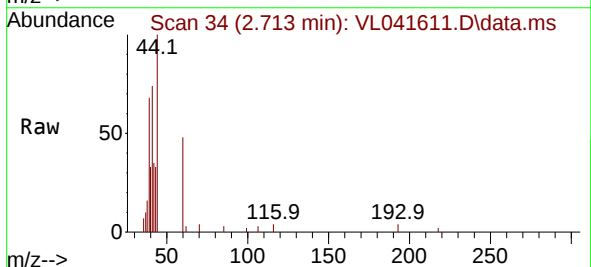
Instrument :
MSVOA_L
ClientSampleId :

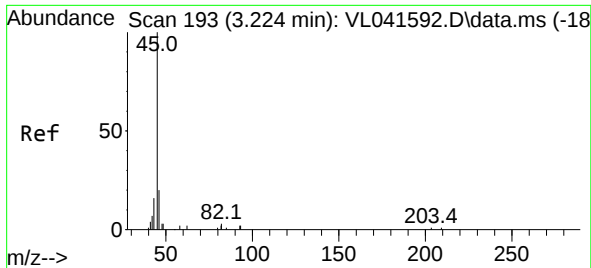
Tgt Ion: 49 Resp: 1126194
Ion Ratio Lower Upper
49 100
128 46.2 23.8 71.5
130 59.6 30.4 91.3



#9
Propene
Concen: 0.127 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.042 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

Tgt Ion: 41 Resp: 7319
Ion Ratio Lower Upper
41 100
42 73.4 55.2 82.8

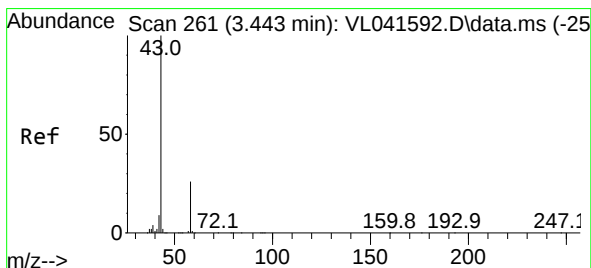
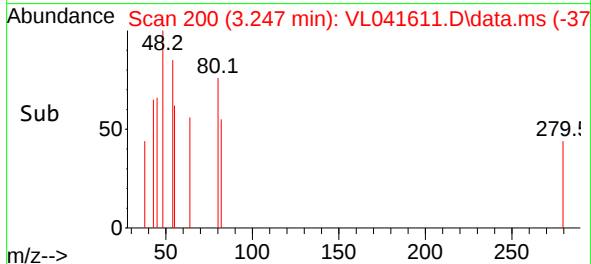
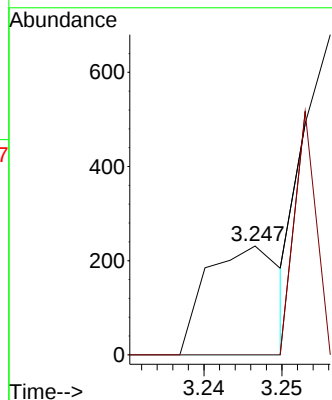
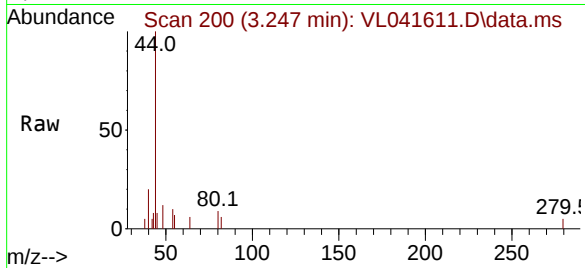




#13
Ethanol
Concen: 0.036 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.023 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

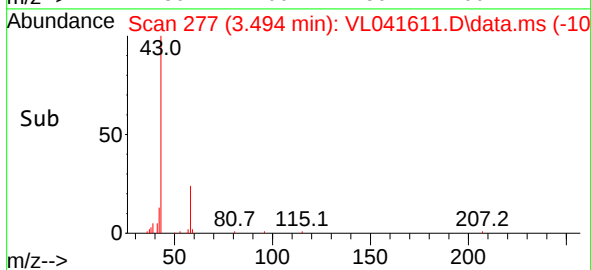
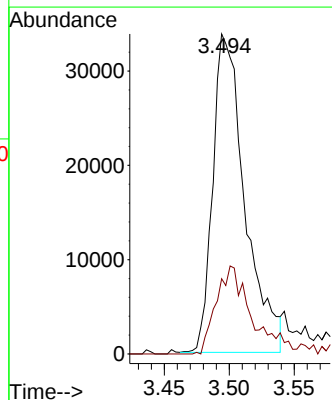
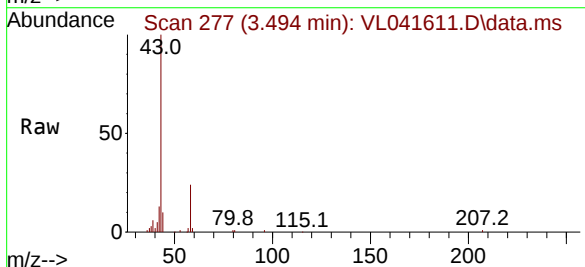
Instrument :
MSVOA_L
ClientSampleId :

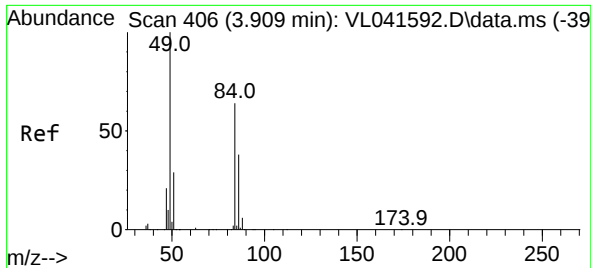
Tgt Ion: 45 Resp: 154
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#



#15
Acetone
Concen: 0.409 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.052 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

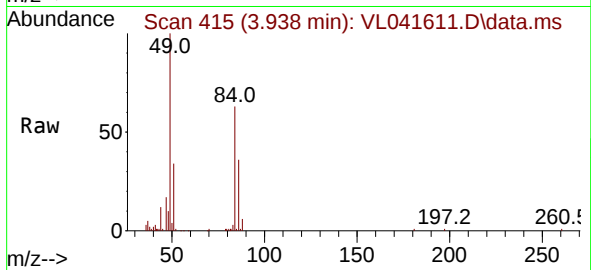
Tgt Ion: 43 Resp: 57875
Ion Ratio Lower Upper
43 100
58 31.3 21.5 32.3





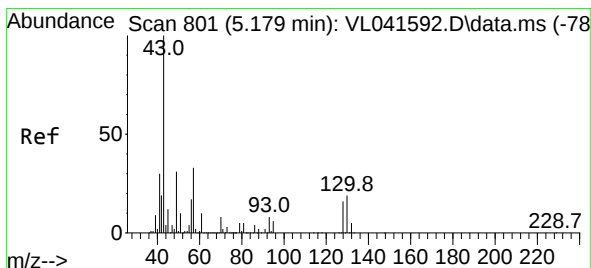
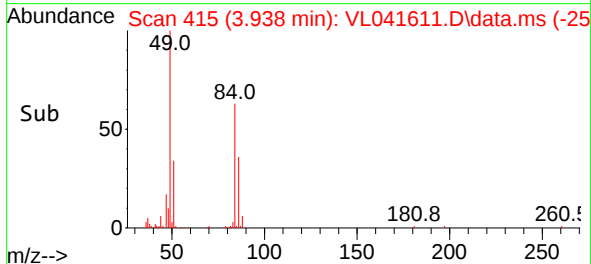
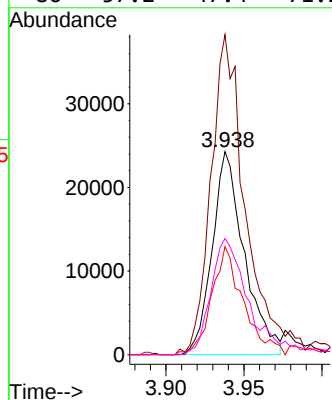
#20
Methylene Chloride
Concen: 0.654 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.029 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 34745

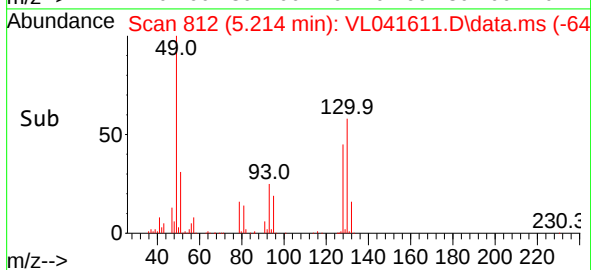
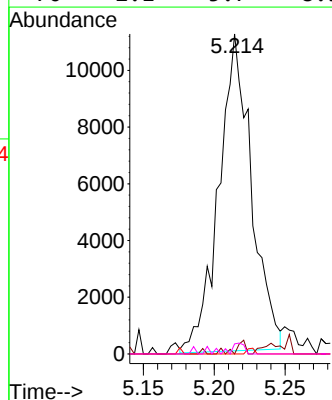
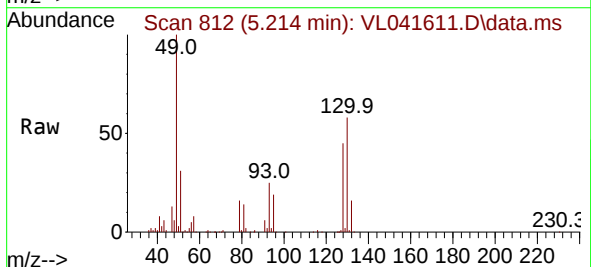
Ion	Ratio	Lower	Upper
84	100		
49	154.8	124.3	186.5
51	51.7	36.3	54.5
86	57.2	47.4	71.2

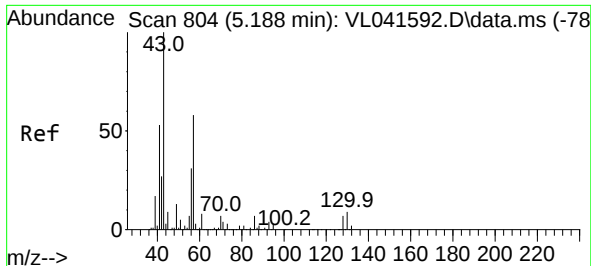


#25
Ethyl Acetate
Concen: 0.071 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.036 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

Tgt Ion: 43 Resp: 17952

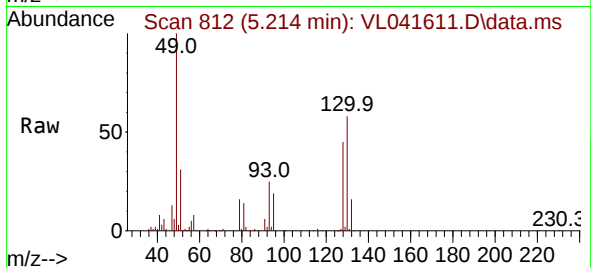
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	0.0	8.0	12.0#
70	2.1	5.7	8.5#





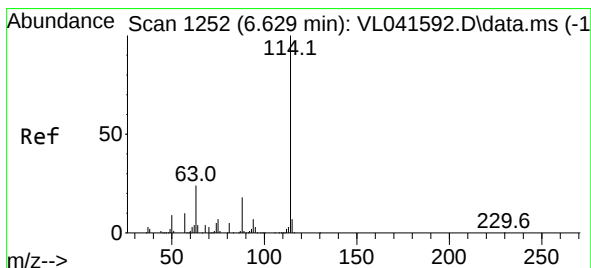
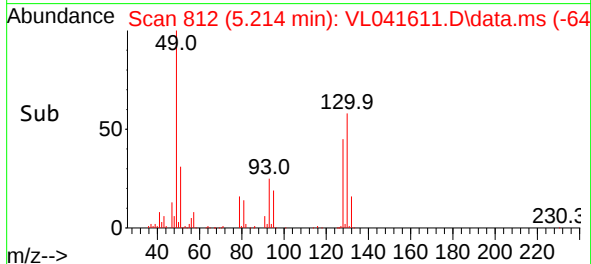
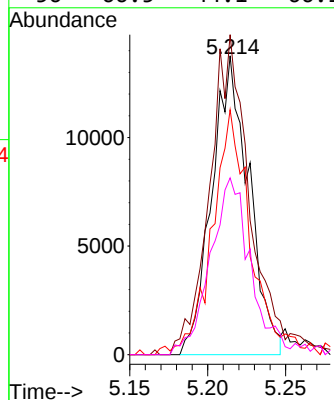
#26
Hexane
Concen: 0.215 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.026 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 22743

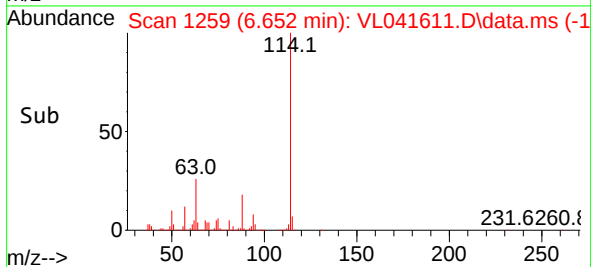
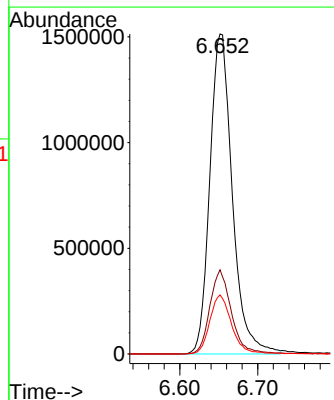
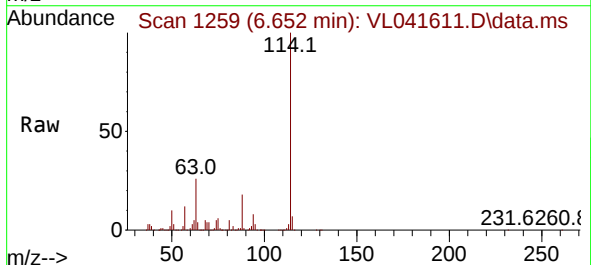
Ion	Ratio	Lower	Upper
57	100		
41	118.6	75.7	113.5#
43	85.2	198.5	297.7#
56	66.5	44.1	66.1#

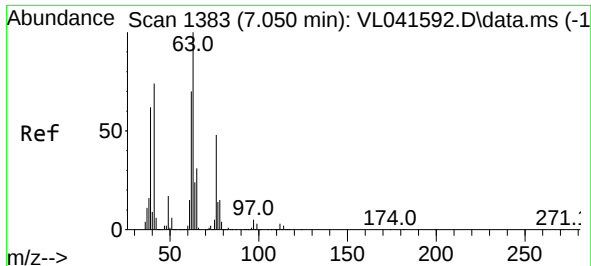


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.023 min
Lab File: VL041611.D
Acq: 18 Sep 2024 17:49

Tgt Ion: 114 Resp: 3035210

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.2
88	18.0	14.2	21.4





#39

1,2-Dichloropropane

Concen: 8.846 ppbv

RT: 6.652 min Scan# 1

Delta R.T. -0.399 min

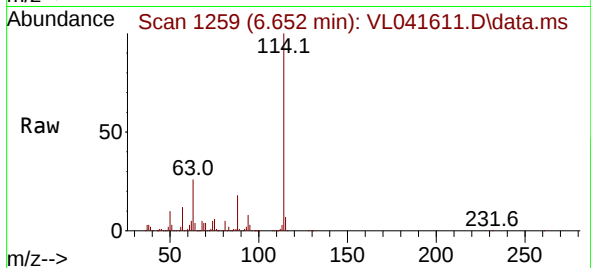
Lab File: VL041611.D

Acq: 18 Sep 2024 17:49

Instrument :

MSVOA_L

ClientSampleId :



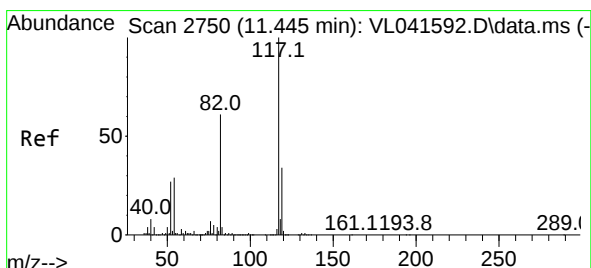
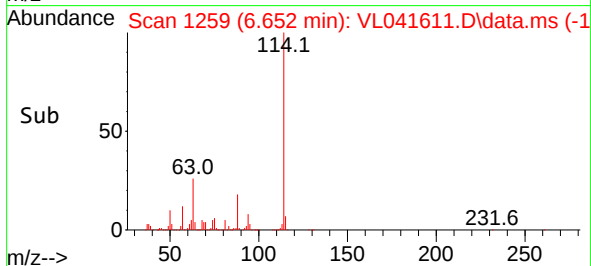
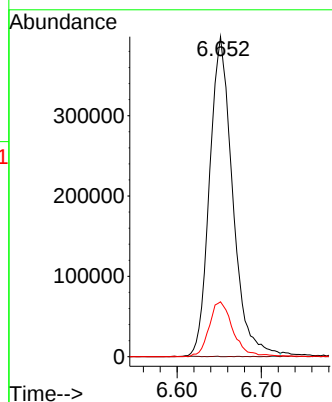
Tgt Ion: 63 Resp: 758631

Ion Ratio Lower Upper

63 100

41 0.0 59.5 89.3#

62 17.2 56.2 84.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2755

Delta R.T. 0.016 min

Lab File: VL041611.D

Acq: 18 Sep 2024 17:49

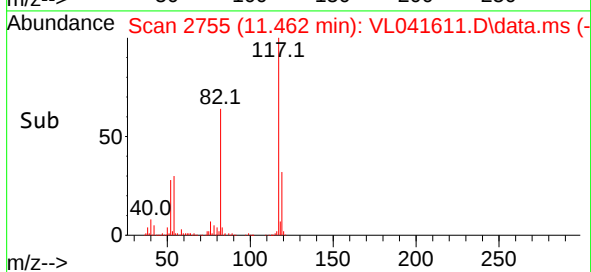
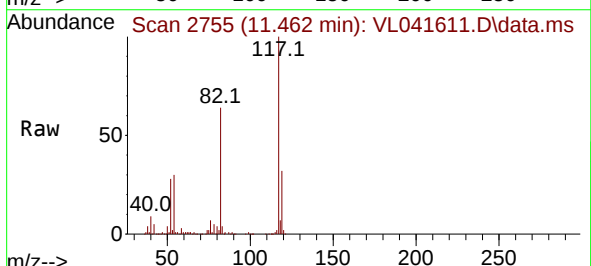
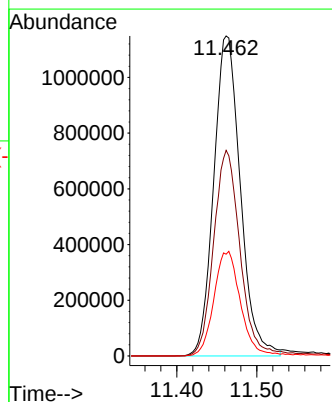
Tgt Ion: 117 Resp: 2656767

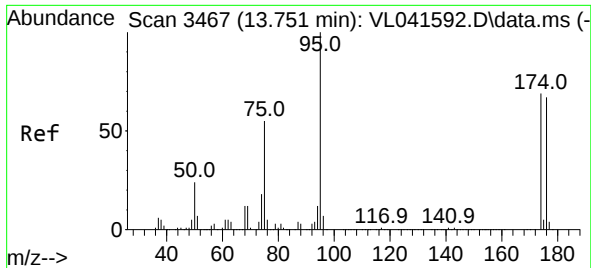
Ion Ratio Lower Upper

117 100

82 65.1 49.4 74.2

119 33.4 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.230 ppbv
 RT: 13.773 min Scan# 34
 Delta R.T. 0.023 min
 Lab File: VL041611.D
 Acq: 18 Sep 2024 17:49

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 95 Resp: 2000779

Ion	Ratio	Lower	Upper
95	100		
174	69.5	55.8	83.8
175	5.0	4.1	6.1

