

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041334.D
 Acq On : 5 Jun 2024 19:33
 Operator : SY/MD
 Sample : P2716-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Jun 06 04:42:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

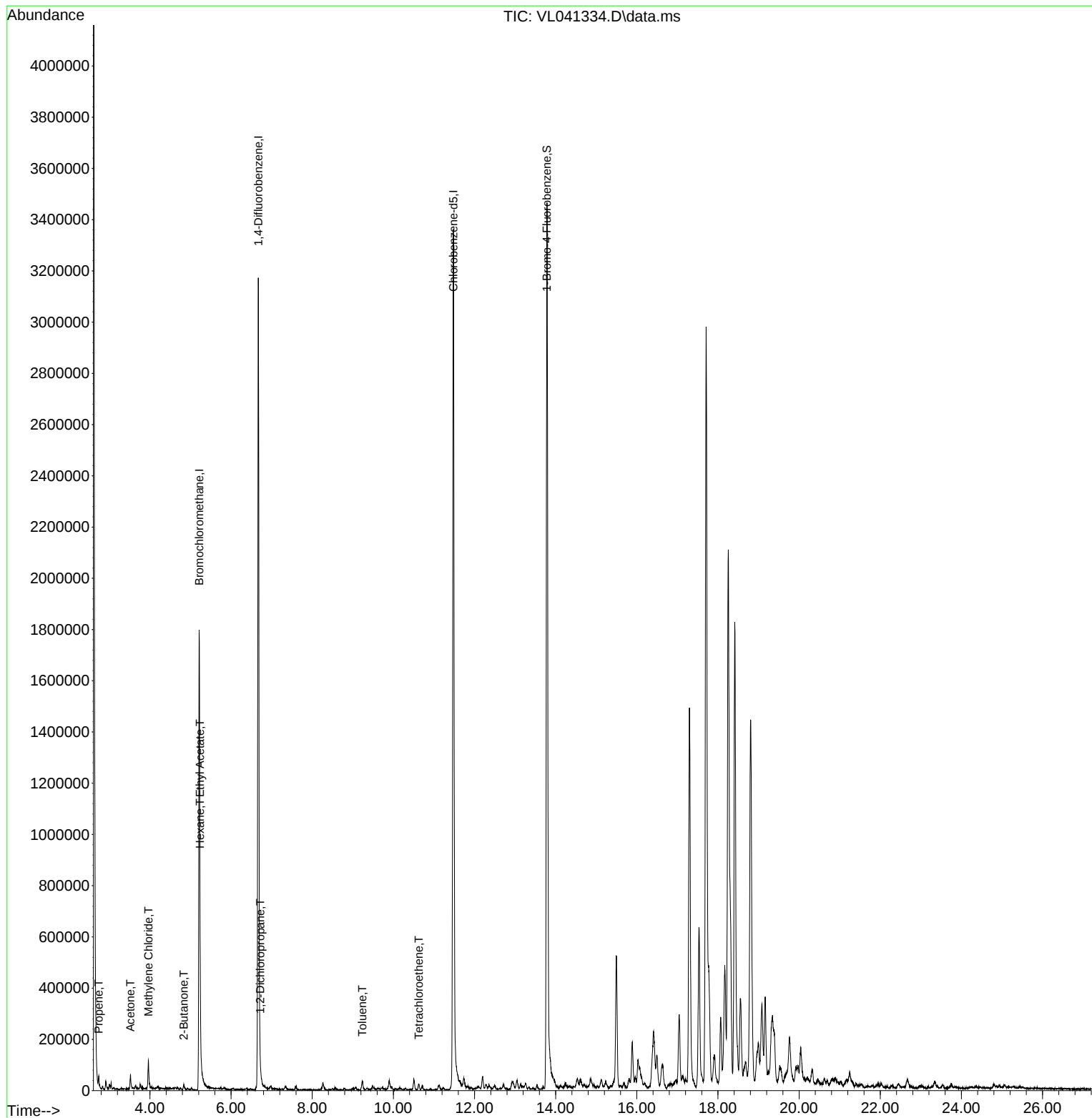
Internal Standards						
1) Bromochloromethane	5.214	49	935398	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2462340	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.481	117	2208706	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1723589	10.107	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
9) Propene	2.735	41	7625	0.145	ppbv #	79
15) Acetone	3.517	43	43845	0.411	ppbv #	90
20) Methylene Chloride	3.963	84	33036	0.851	ppbv	91
25) Ethyl Acetate	5.230	43	30152	0.143	ppbv #	77
26) Hexane	5.234	57	44192	0.465	ppbv #	42
34) 2-Butanone	4.835	43	21841	0.185	ppbv	92
39) 1,2-Dichloropropane	6.719	63	6949	0.091	ppbv #	27
52) Tetrachloroethene	10.629	164	3188	0.046	ppbv #	55
53) Toluene	9.237	91	9366	0.043	ppbv #	1

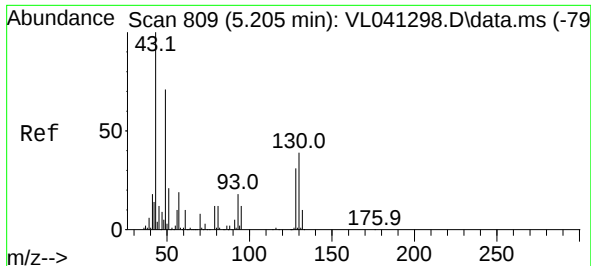
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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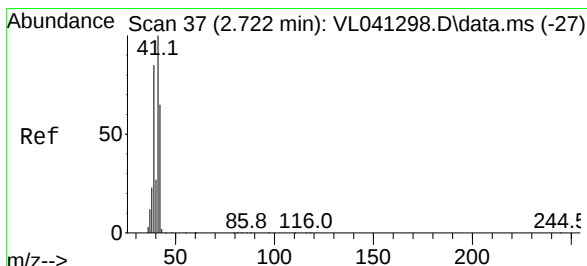
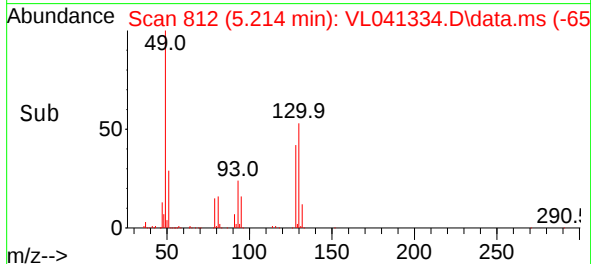
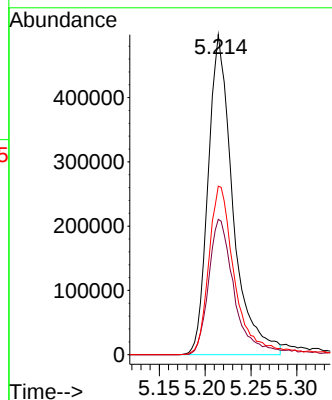
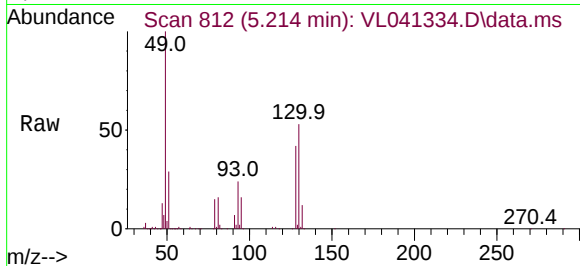




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL041334.D
Acq: 5 Jun 2024 19:33

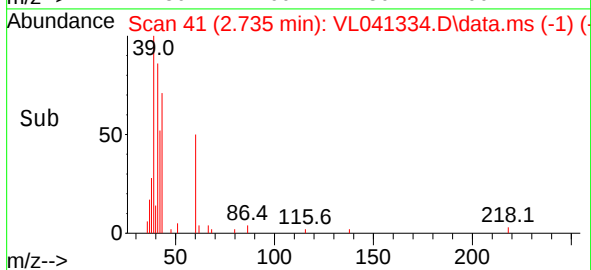
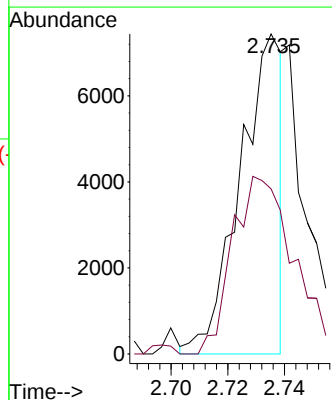
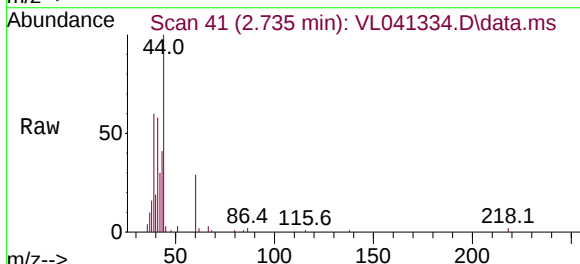
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

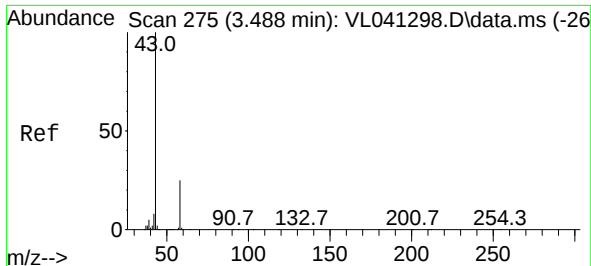
Tgt Ion: 49 Resp: 935398
Ion Ratio Lower Upper
49 100
128 45.4 22.8 68.3
130 57.8 28.4 85.3



#9
Propene
Concen: 0.145 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL041334.D
Acq: 5 Jun 2024 19:33

Tgt Ion: 41 Resp: 7625
Ion Ratio Lower Upper
41 100
42 86.1 55.2 82.8#

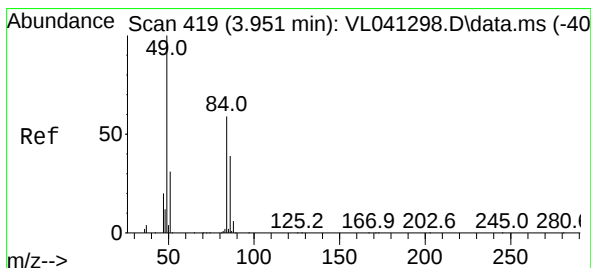
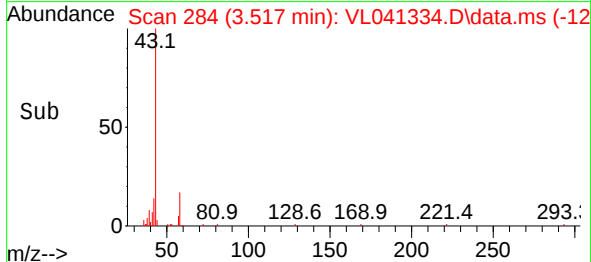
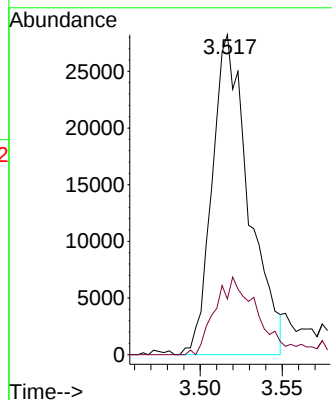
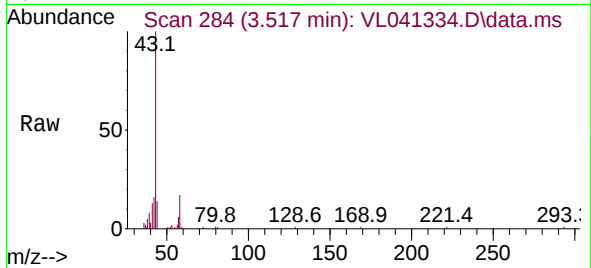




#15
Acetone
Concen: 0.411 ppbv
RT: 3.517 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL041334.D
Acq: 5 Jun 2024 19:33

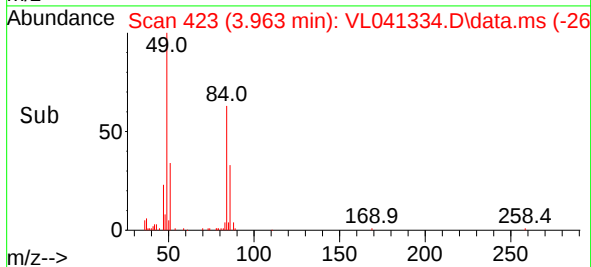
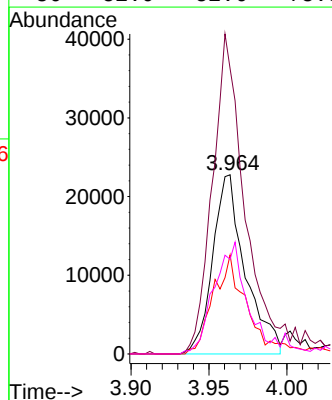
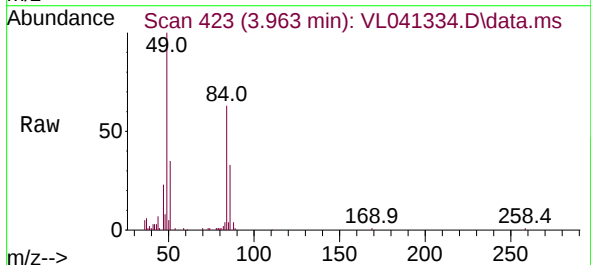
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

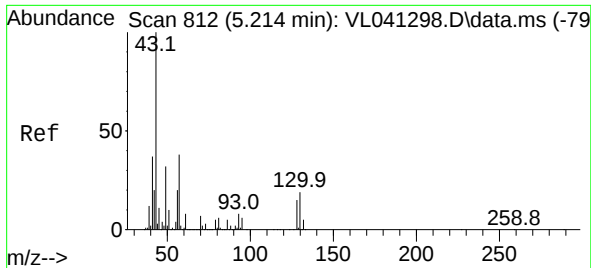
Tgt Ion: 43 Resp: 43845
Ion Ratio Lower Upper
43 100
58 31.0 20.6 31.0#



#20
Methylene Chloride
Concen: 0.851 ppbv
RT: 3.963 min Scan# 423
Delta R.T. 0.013 min
Lab File: VL041334.D
Acq: 5 Jun 2024 19:33

Tgt Ion: 84 Resp: 33036
Ion Ratio Lower Upper
84 100
49 159.1 136.2 204.2
51 55.3 41.9 62.9
86 52.9 52.6 78.8

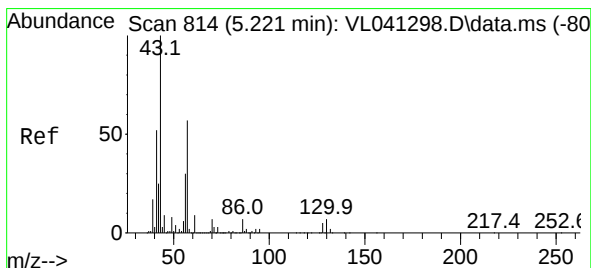
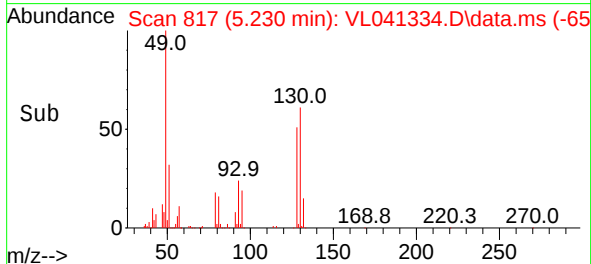
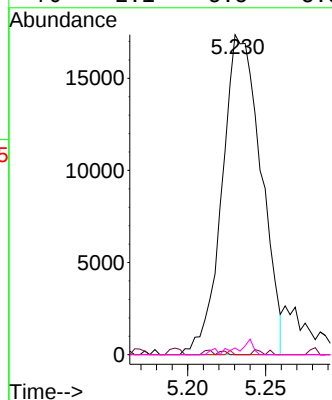
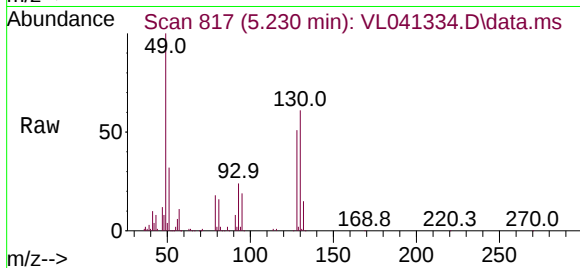




#25
Ethyl Acetate
Concen: 0.143 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.016 min
Lab File: VL041334.D
Acq: 5 Jun 2024 19:33

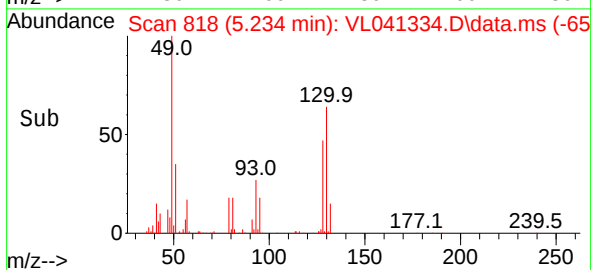
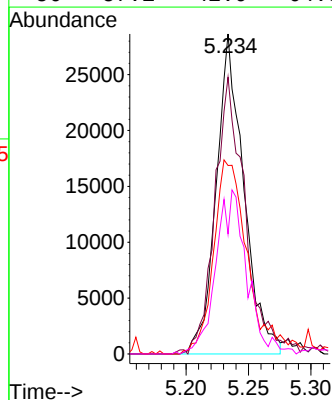
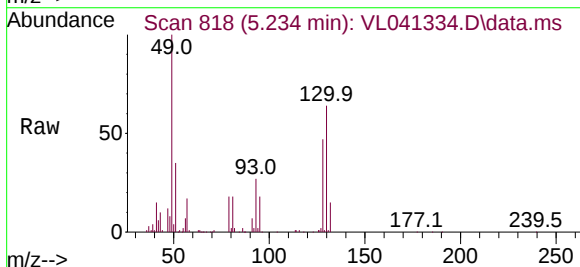
Instrument :
MSVOA_1
ClientSampleId :
SV1DL

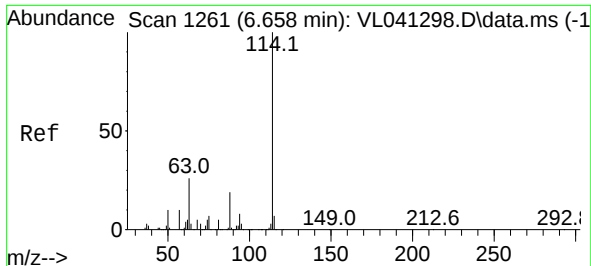
Tgt Ion:	43	Resp:	30152
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.1	12.1#
61	0.0	7.4	11.0#
70	2.1	5.5	8.3#



#26
Hexane
Concen: 0.465 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.013 min
Lab File: VL041334.D
Acq: 5 Jun 2024 19:33

Tgt Ion:	57	Resp:	44192
Ion	Ratio	Lower	Upper
57	100		
41	99.0	77.1	115.7
43	78.7	186.1	279.1#
56	57.1	42.9	64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL041334.D

Acq: 5 Jun 2024 19:33

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

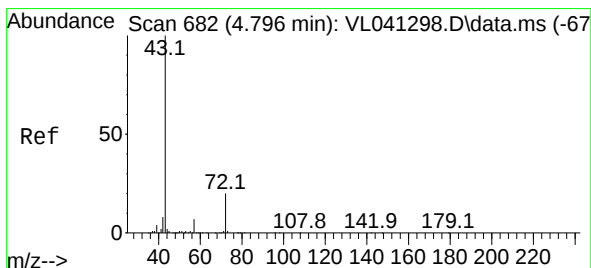
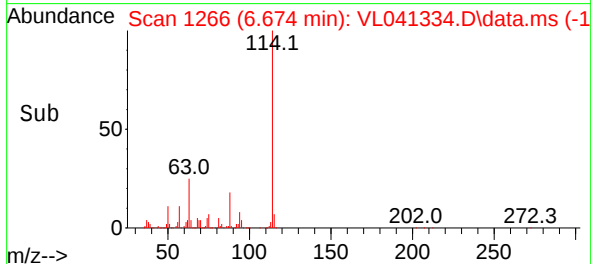
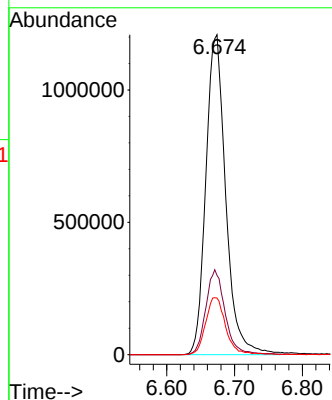
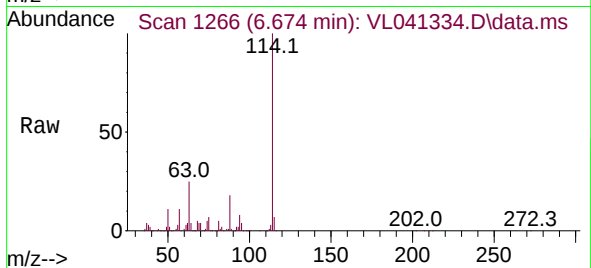
Tgt Ion:114 Resp: 2462340

Ion Ratio Lower Upper

114 100

63 26.1 20.6 30.8

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 0.185 ppbv

RT: 4.835 min Scan# 694

Delta R.T. 0.039 min

Lab File: VL041334.D

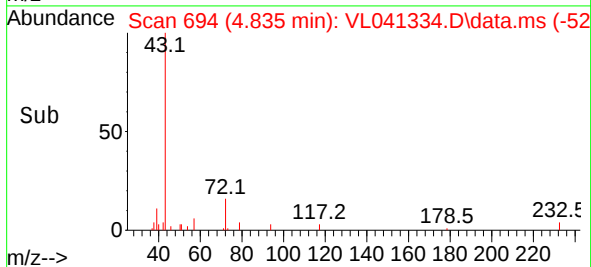
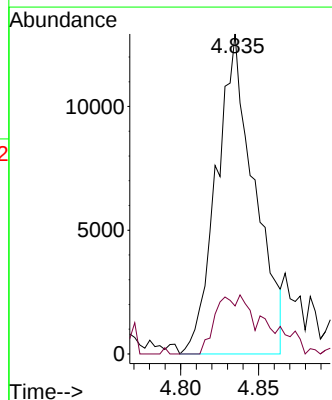
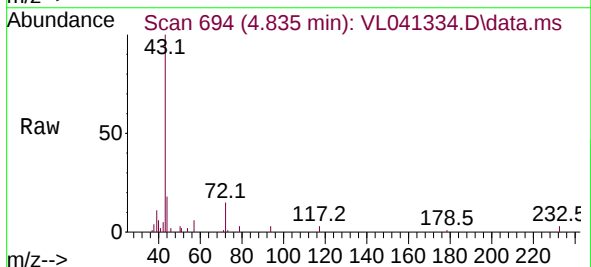
Acq: 5 Jun 2024 19:33

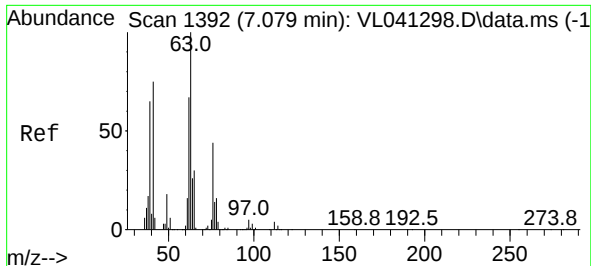
Tgt Ion: 43 Resp: 21841

Ion Ratio Lower Upper

43 100

72 25.3 17.4 26.0





#39

1,2-Dichloropropane

Concen: 0.091 ppbv

RT: 6.719 min Scan# 11

Delta R.T. -0.360 min

Lab File: VL041334.D

Acq: 5 Jun 2024 19:33

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

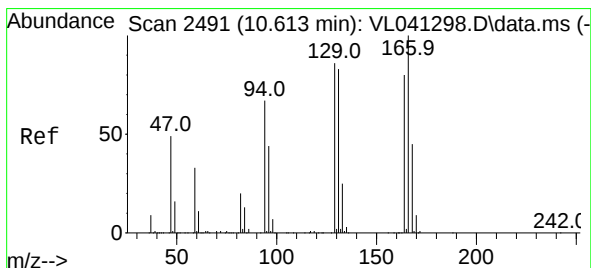
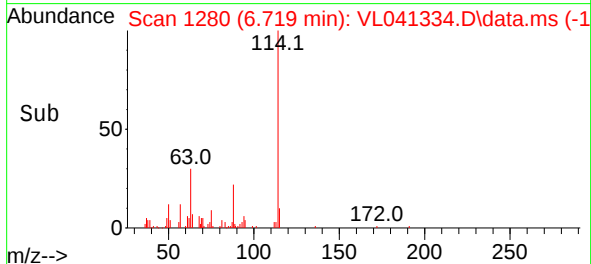
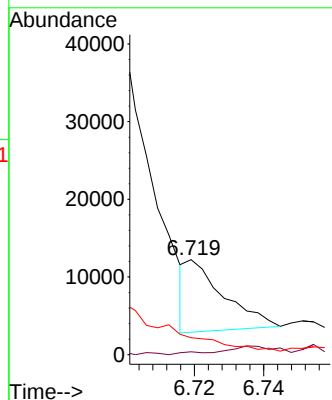
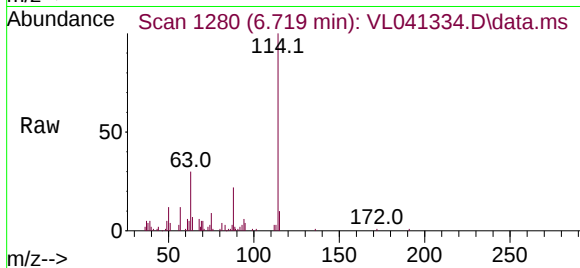
Tgt Ion: 63 Resp: 6949

Ion Ratio Lower Upper

63 100

41 1.4 59.9 89.9#

62 20.1 53.8 80.6#



#52

Tetrachloroethene

Concen: 0.046 ppbv

RT: 10.629 min Scan# 2496

Delta R.T. 0.016 min

Lab File: VL041334.D

Acq: 5 Jun 2024 19:33

Tgt Ion:164 Resp: 3188

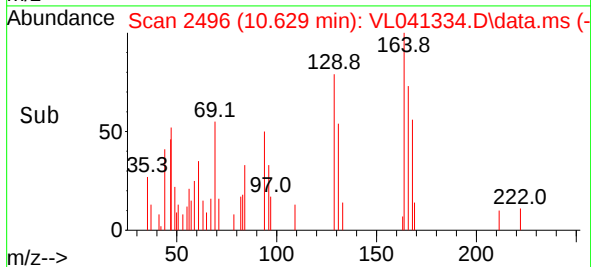
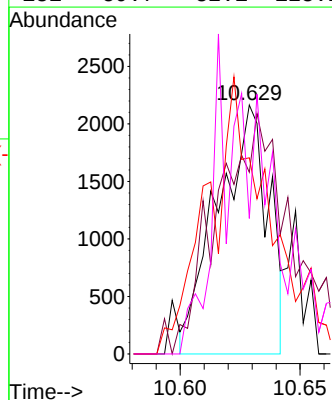
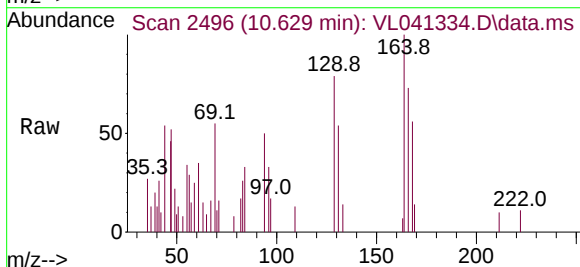
Ion Ratio Lower Upper

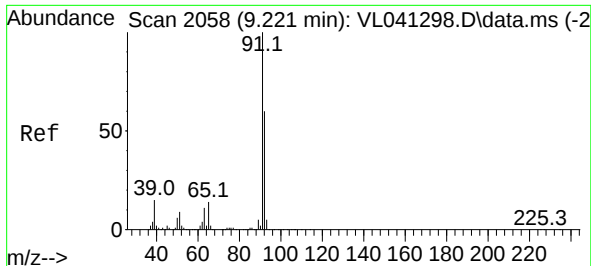
164 100

166 67.0 99.4 149.0#

129 65.1 85.4 128.2#

131 59.7 82.1 123.1#





#53

Toluene

Concen: 0.043 ppbv

RT: 9.237 min Scan# 2058

Delta R.T. 0.016 min

Lab File: VL041334.D

Acq: 5 Jun 2024 19:33

Instrument :

MSVOA_L

ClientSampleId :

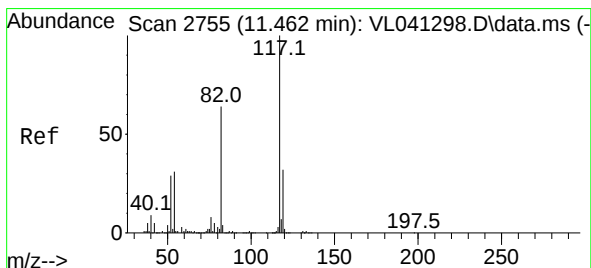
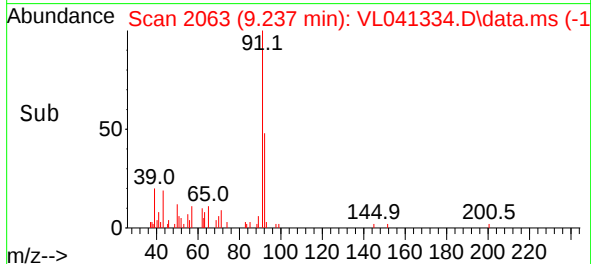
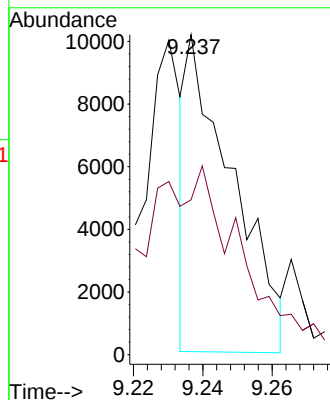
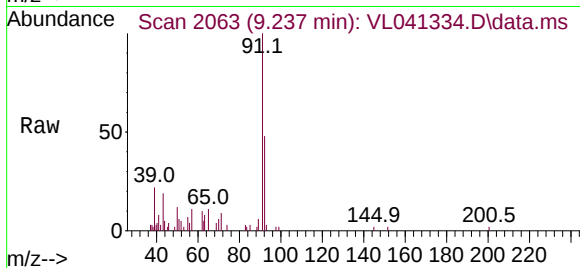
SV1DL

Tgt Ion: 91 Resp: 9366

Ion Ratio Lower Upper

91 100

92 139.3 49.2 73.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2761

Delta R.T. 0.019 min

Lab File: VL041334.D

Acq: 5 Jun 2024 19:33

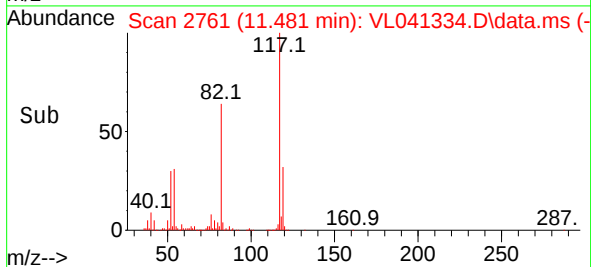
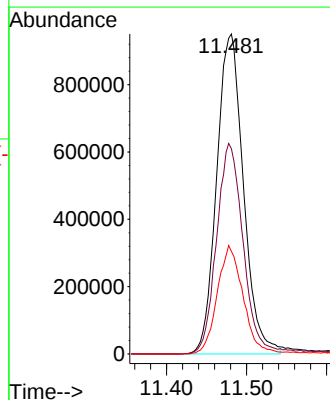
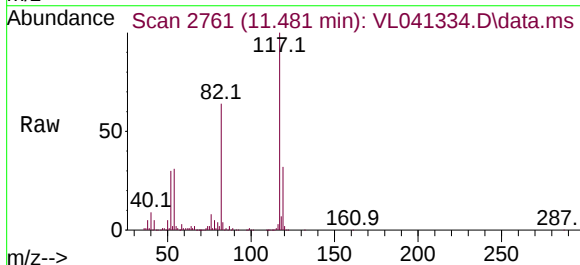
Tgt Ion: 117 Resp: 2208706

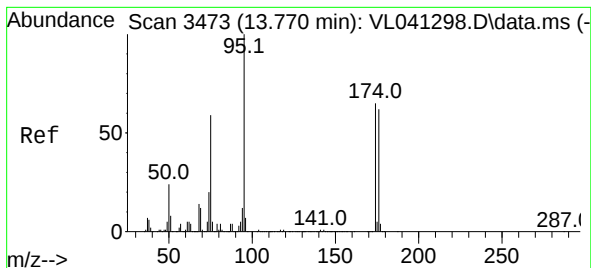
Ion Ratio Lower Upper

117 100

82 67.0 52.3 78.5

119 33.4 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.107 ppbv

RT: 13.786 min Scan# 34

Delta R.T. 0.016 min

Lab File: VL041334.D

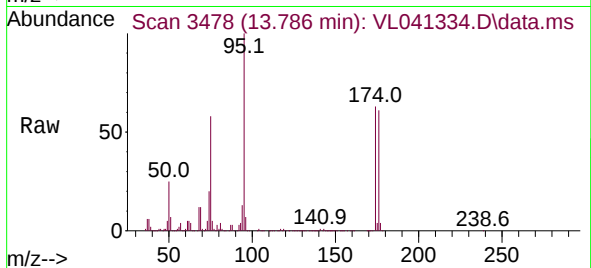
Acq: 5 Jun 2024 19:33

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion: 95 Resp: 1723589

Ion Ratio Lower Upper

95 100

174 66.6 52.2 78.2

175 5.0 4.1 6.1

