

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041690.D
 Acq On : 7 Nov 2024 23:03
 Operator : SY/MD
 Sample : P4696-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 08 03:54:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

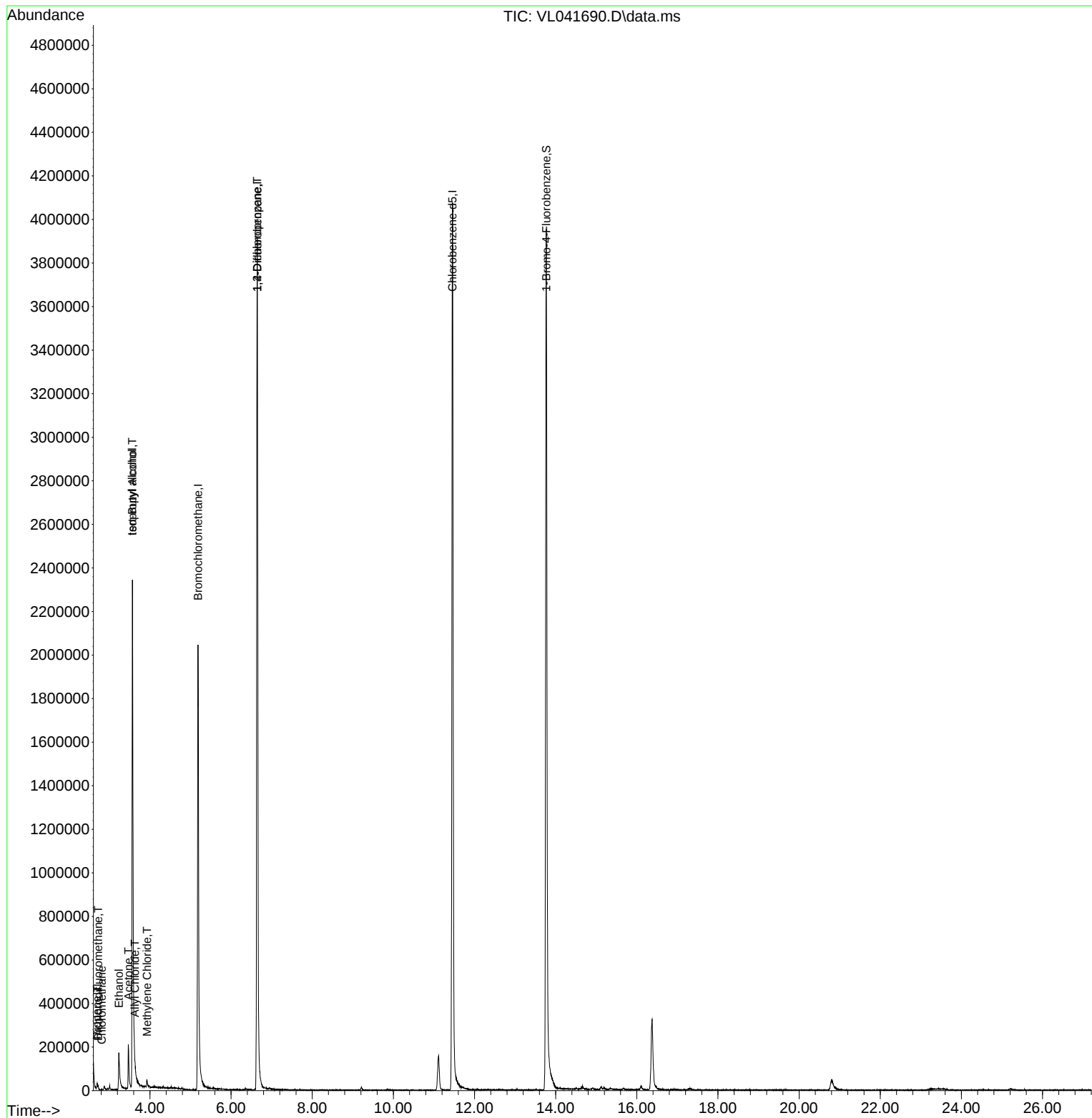
Internal Standards						
1) Bromochloromethane	5.185	49	1071435	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2948814	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2677366	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1941685	9.843	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	8554	0.044	ppbv #	65
4) Chloromethane	2.816	50	3372	0.046	ppbv	100
9) Propene	2.697	41	6988	0.115	ppbv	99
13) Ethanol	3.234	45	181769	48.802	ppbv	92
15) Acetone	3.468	43	192771	1.462	ppbv	96
17) tert-Butyl alcohol	3.568	59	81236	0.702	ppbv	95
19) Isopropyl Alcohol	3.568	45	2508130	39.795	ppbv #	97
20) Methylene Chloride	3.931	84	9980	0.206	ppbv #	82
21) Allyl Chloride	3.629	41	2941	0.036	ppbv #	20
39) 1,2-Dichloropropane	6.642	63	736479	8.530	ppbv #	22

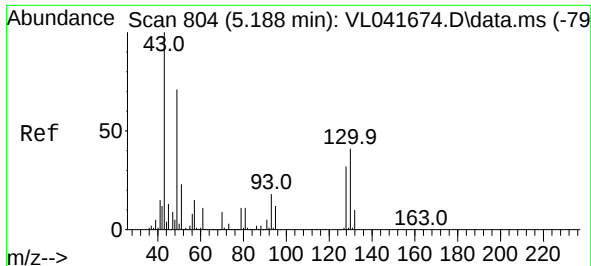
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.185 min Scan# 804

Delta R.T. -0.003 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Instrument :

MSVOA_L

ClientSampleId :

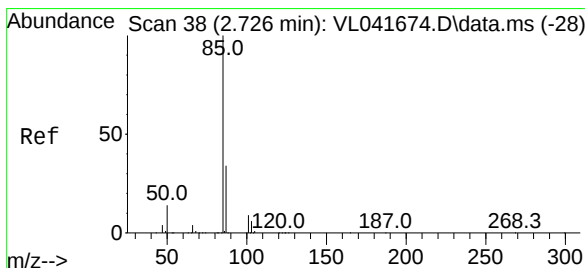
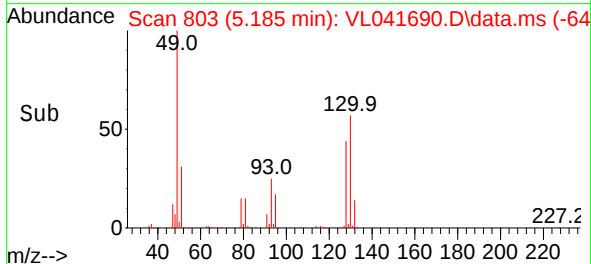
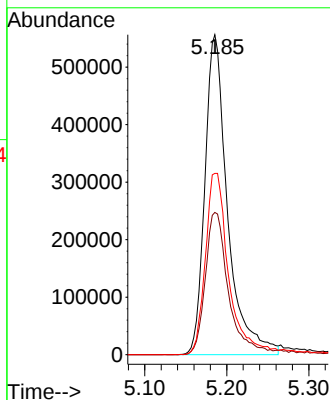
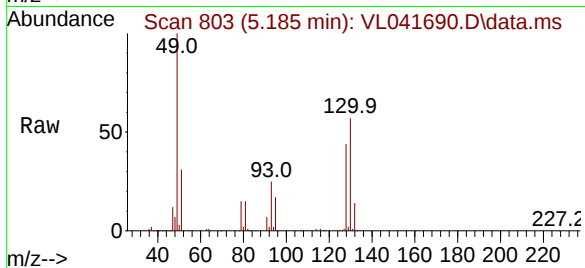
Tgt Ion: 49 Resp: 1071435

Ion Ratio Lower Upper

49 100

128 47.4 23.8 71.2

130 59.8 30.1 90.5



#2

Dichlorodifluoromethane

Concen: 0.044 ppbv

RT: 2.726 min Scan# 38

Delta R.T. 0.000 min

Lab File: VL041690.D

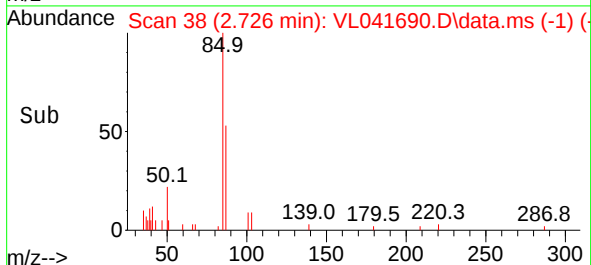
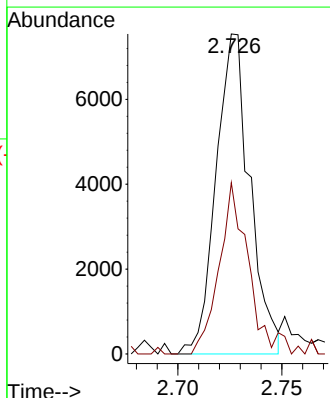
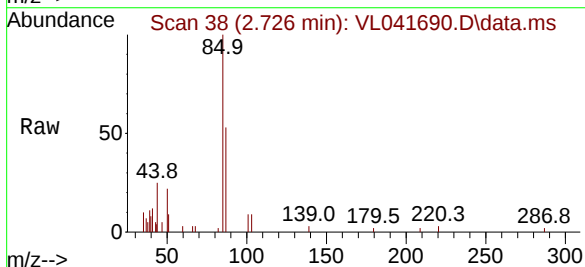
Acq: 7 Nov 2024 23:03

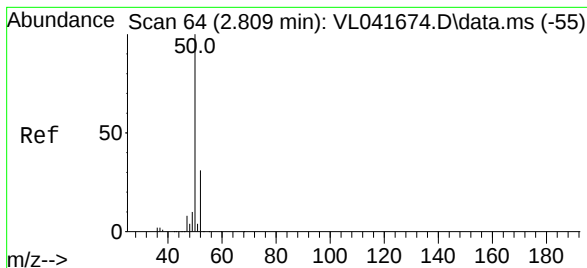
Tgt Ion: 85 Resp: 8554

Ion Ratio Lower Upper

85 100

87 53.5 26.8 40.2#





#4

Chloromethane

Concen: 0.046 ppbv

RT: 2.816 min Scan# 6

Delta R.T. 0.007 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Instrument :

MSVOA_L

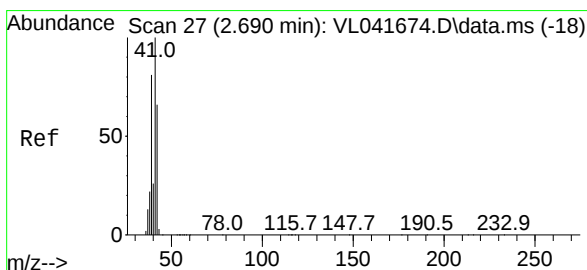
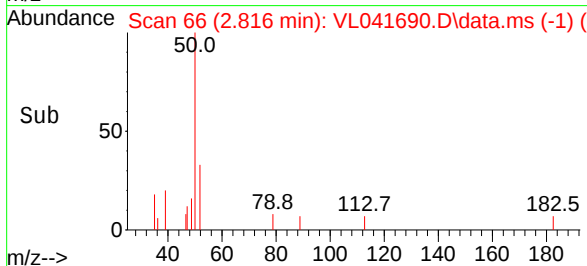
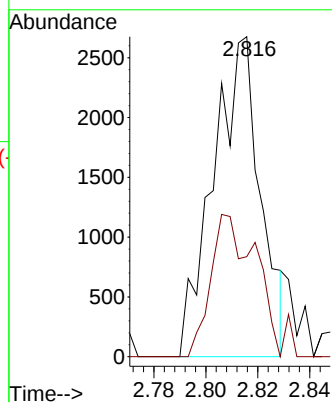
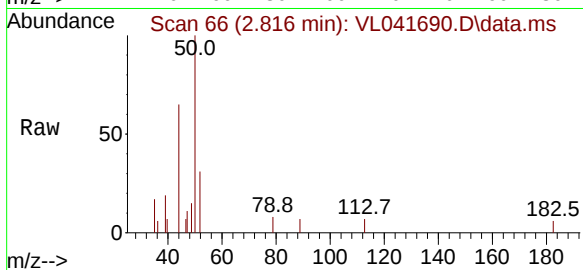
ClientSampleId :

Tgt Ion: 50 Resp: 3372

Ion Ratio Lower Upper

50 100

52 31.2 24.9 37.3



#9

Propene

Concen: 0.115 ppbv

RT: 2.697 min Scan# 29

Delta R.T. 0.007 min

Lab File: VL041690.D

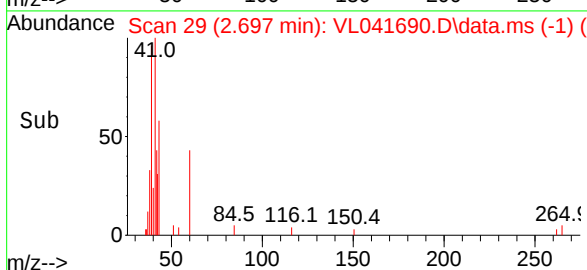
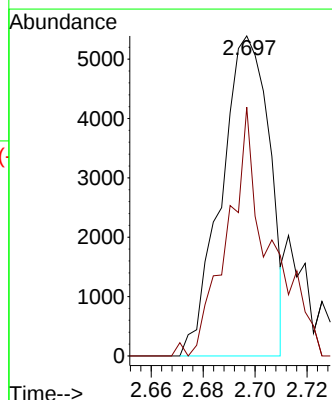
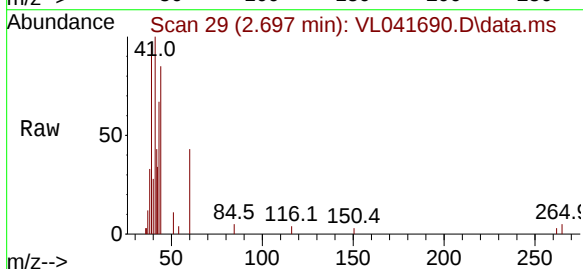
Acq: 7 Nov 2024 23:03

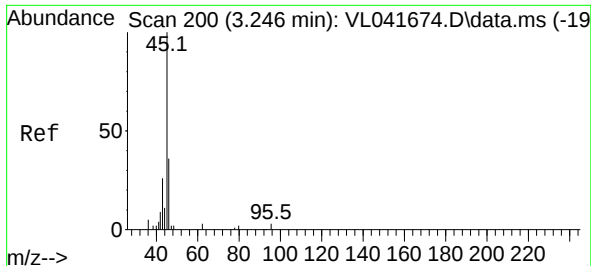
Tgt Ion: 41 Resp: 6988

Ion Ratio Lower Upper

41 100

42 69.9 55.0 82.4





#13

Ethanol

Concen: 48.802 ppbv

RT: 3.234 min Scan# 196

Delta R.T. -0.013 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Instrument :

MSVOA_L

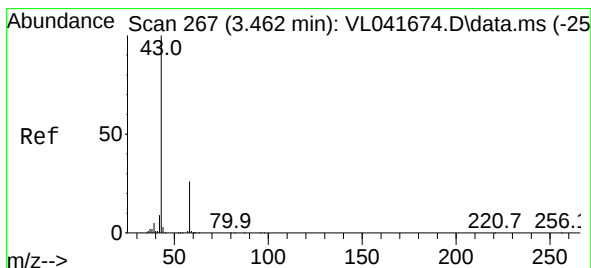
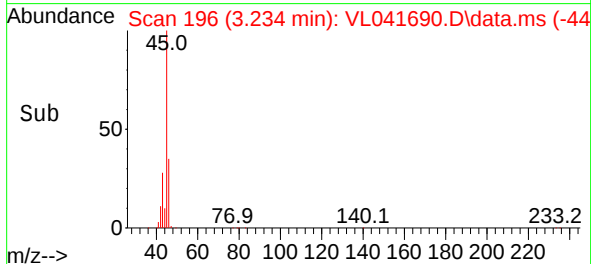
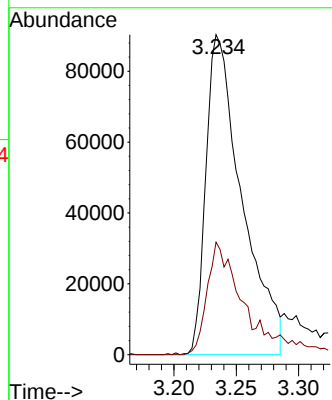
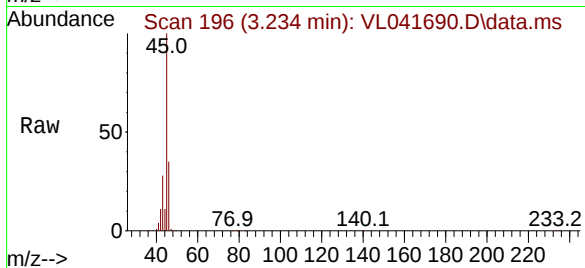
ClientSampleId :

Tgt Ion: 45 Resp: 181769

Ion Ratio Lower Upper

45 100

46 39.4 13.8 55.2



#15

Acetone

Concen: 1.462 ppbv

RT: 3.468 min Scan# 269

Delta R.T. 0.007 min

Lab File: VL041690.D

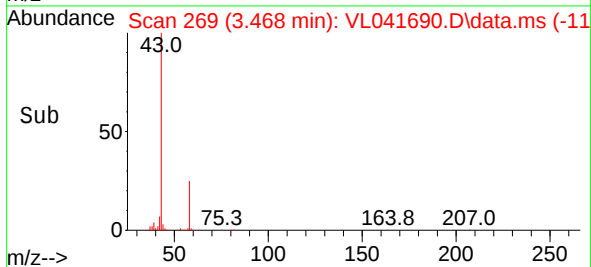
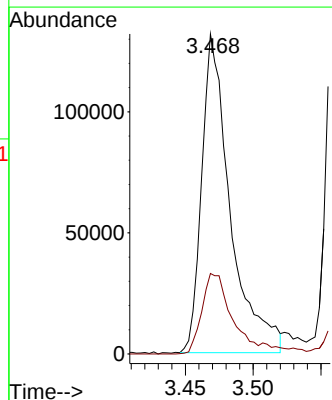
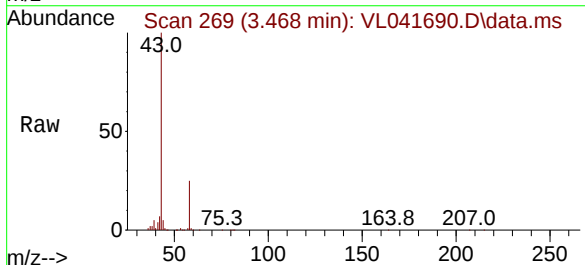
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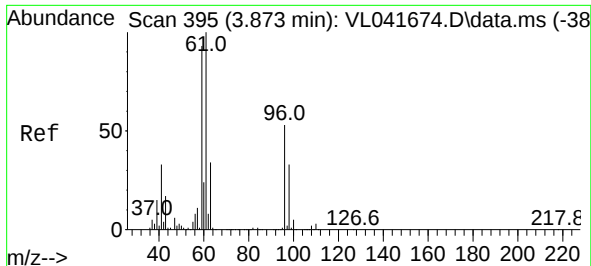
Tgt Ion: 43 Resp: 192771

Ion Ratio Lower Upper

43 100

58 28.7 21.4 32.0

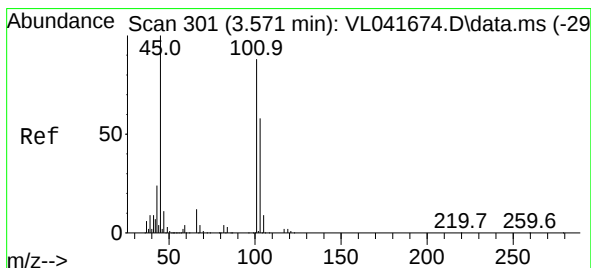
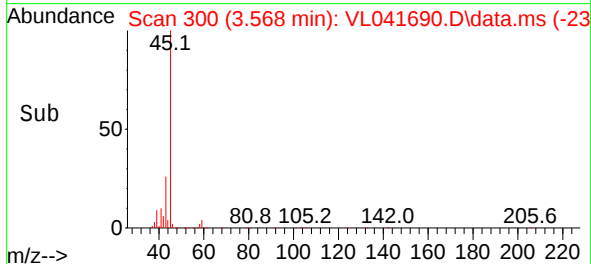
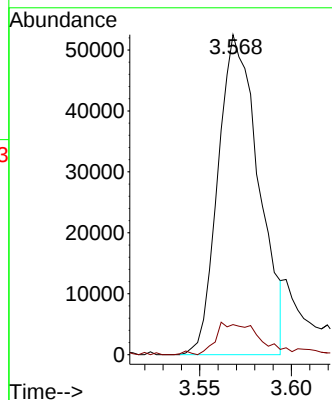
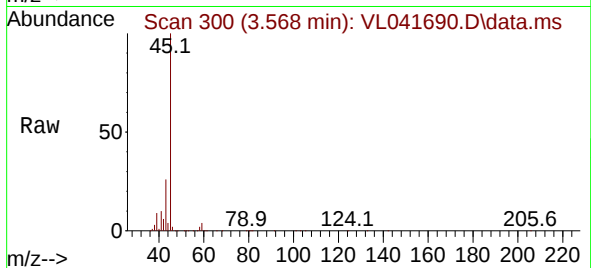




#17
tert-Butyl alcohol
Concen: 0.702 ppbv
RT: 3.568 min Scan# 300
Delta R.T. -0.305 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

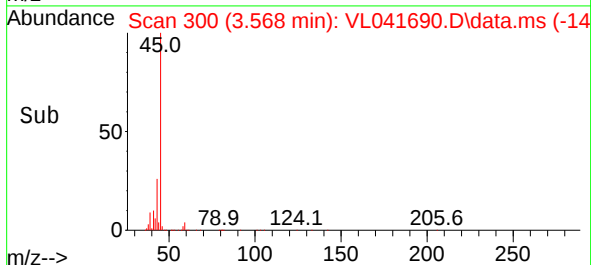
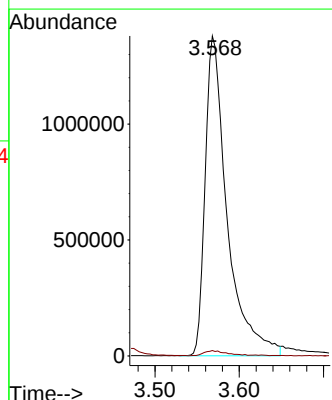
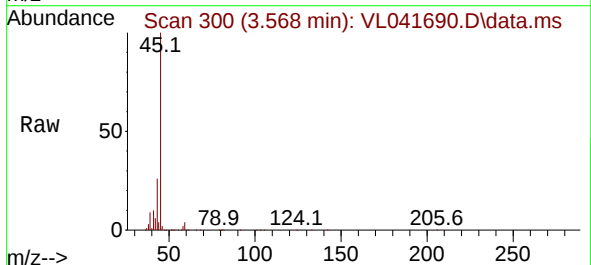
Instrument :
MSVOA_L
ClientSampleId :

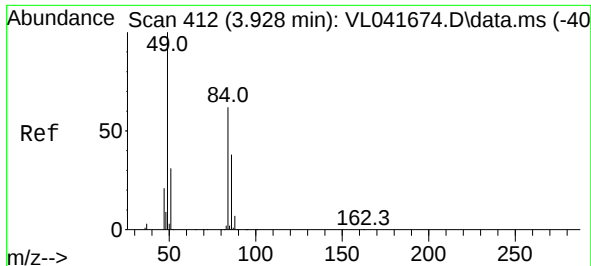
Tgt Ion: 59 Resp: 81236
Ion Ratio Lower Upper
59 100
57 12.4 8.5 12.7



#19
Isopropyl Alcohol
Concen: 39.795 ppbv
RT: 3.568 min Scan# 300
Delta R.T. -0.003 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

Tgt Ion: 45 Resp: 2508130
Ion Ratio Lower Upper
45 100
58 2.1 2.5 3.7#





#20

Methylene Chloride

Concen: 0.206 ppbv

RT: 3.931 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 84 Resp: 9980

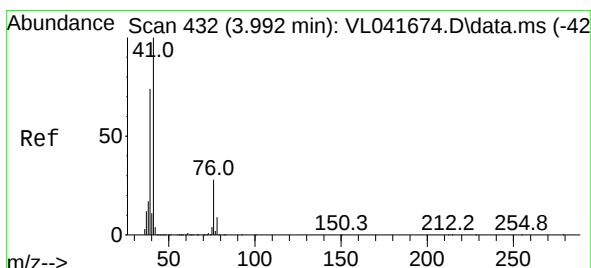
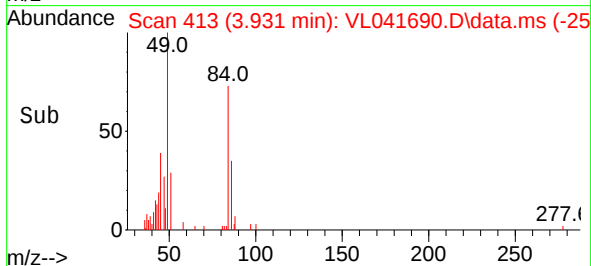
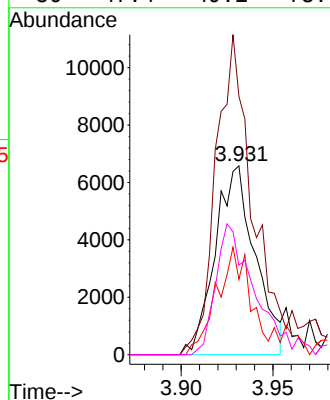
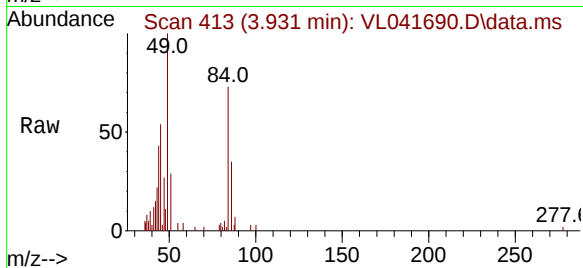
Ion Ratio Lower Upper

84 100

49 136.8 129.7 194.5

51 39.9 39.8 59.6

86 47.4 49.1 73.7#



#21

Allyl Chloride

Concen: 0.036 ppbv

RT: 3.629 min Scan# 319

Delta R.T. -0.363 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

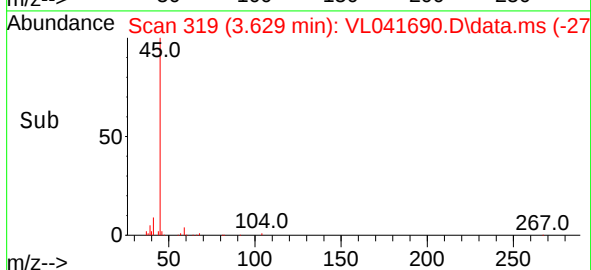
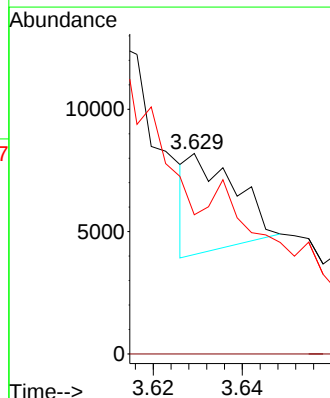
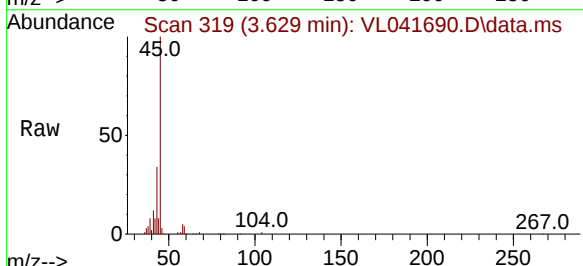
Tgt Ion: 41 Resp: 2941

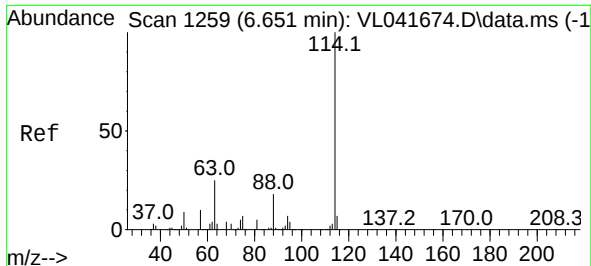
Ion Ratio Lower Upper

41 100

76 0.0 23.5 35.3#

39 0.0 63.0 94.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Instrument :

MSVOA_L

ClientSampleId :

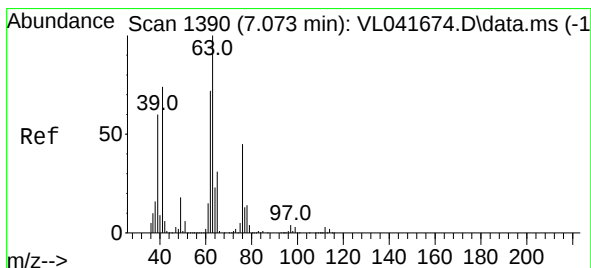
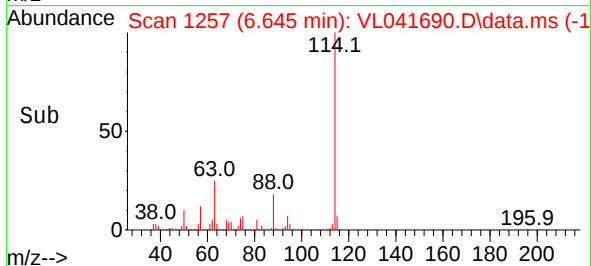
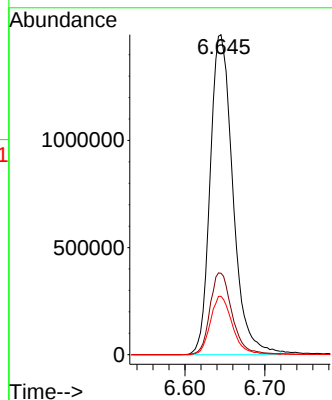
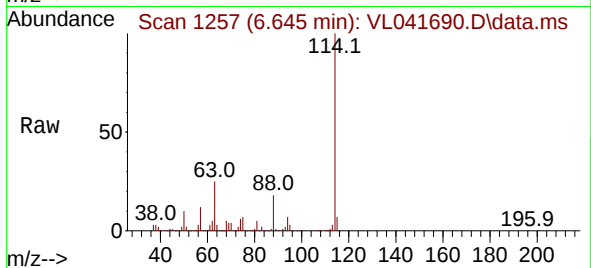
Tgt Ion:114 Resp: 2948814

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.9 14.2 21.4



#39

1,2-Dichloropropane

Concen: 8.530 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.431 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

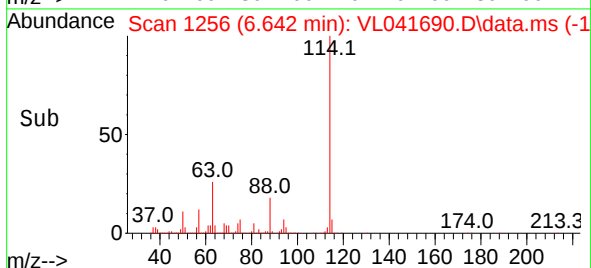
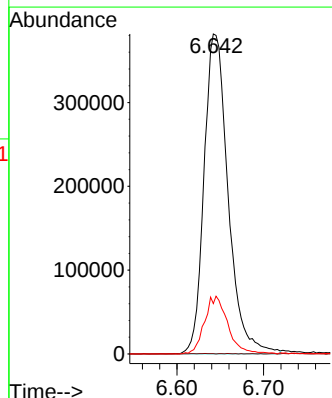
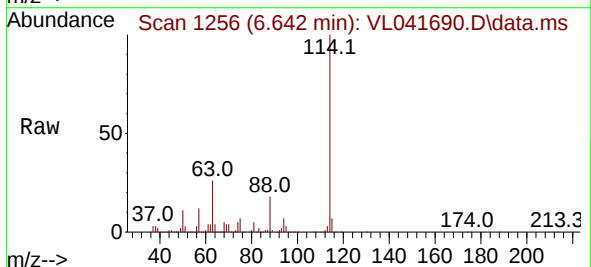
Tgt Ion: 63 Resp: 736479

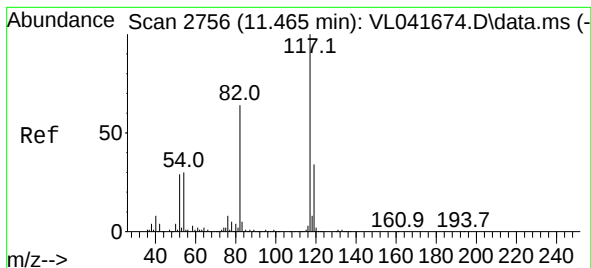
Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

62 15.8 57.7 86.5#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.458 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Instrument :

MSVOA_L

ClientSampleId :

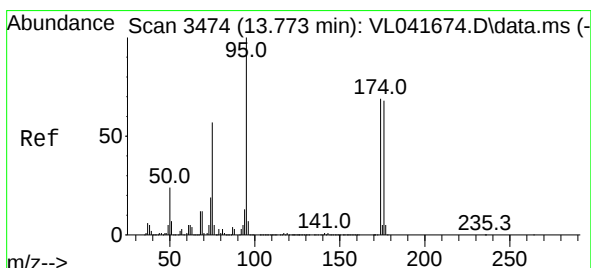
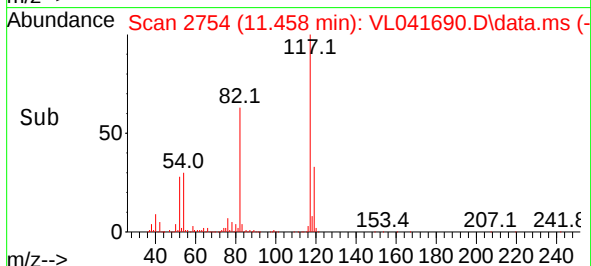
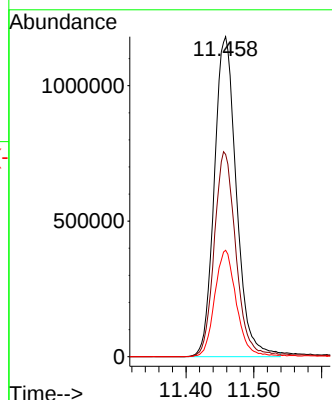
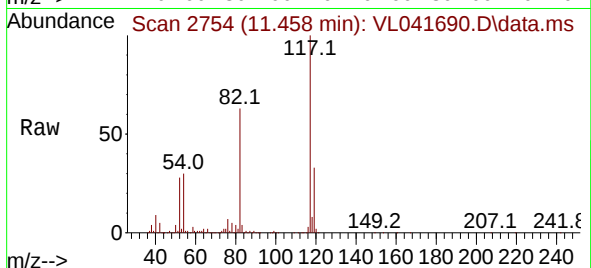
Tgt Ion:117 Resp: 2677366

Ion Ratio Lower Upper

117 100

82 64.2 49.8 74.8

119 33.3 24.2 36.4



#68

1-Bromo-4-Fluorobenzene

Concen: 9.843 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.003 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Tgt Ion: 95 Resp: 1941685

Ion Ratio Lower Upper

95 100

174 71.4 55.6 83.4

175 4.8 4.2 6.2

