

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 :
 IA1DL

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)

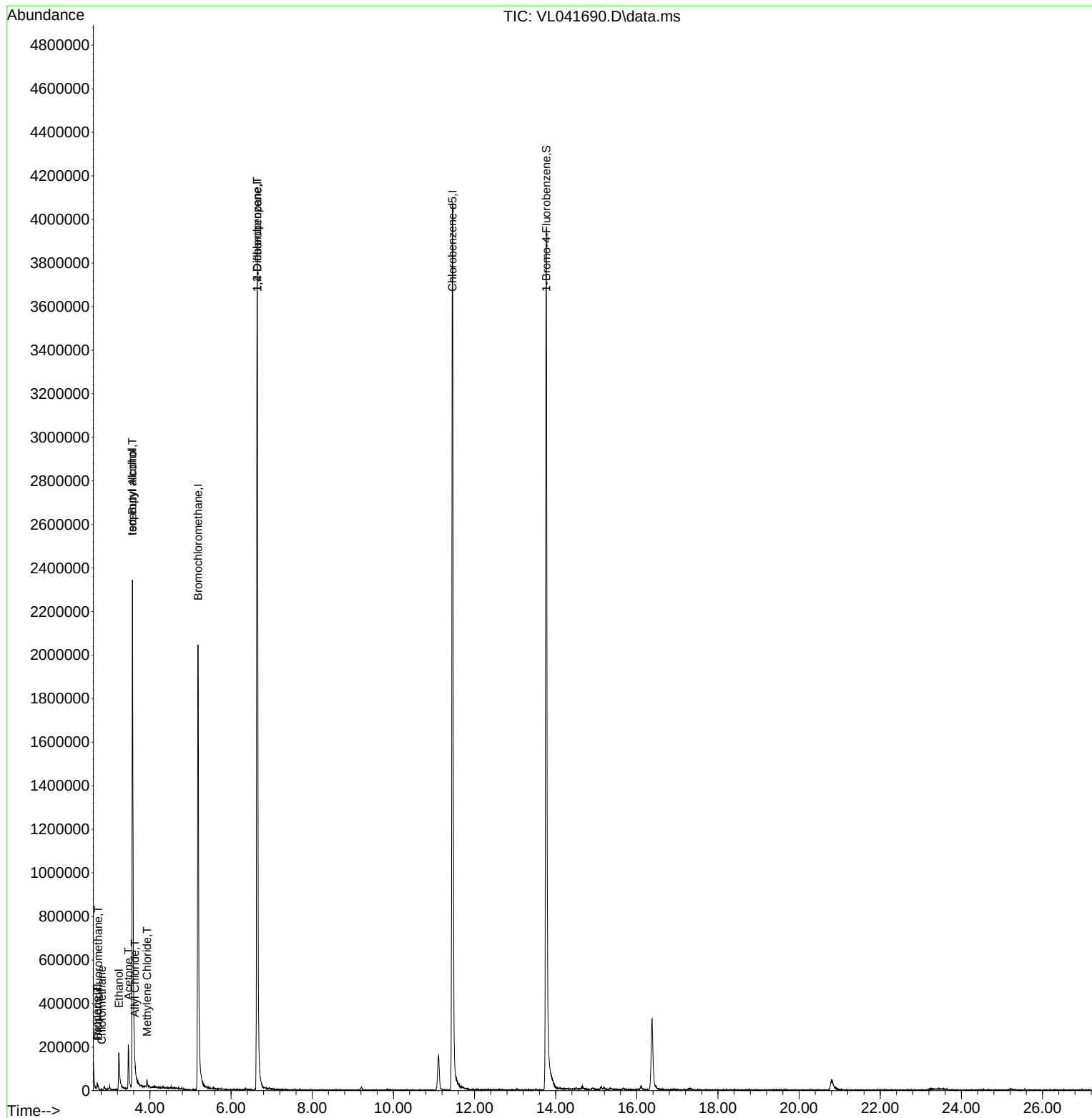
Internal Standards						
1) Bromochloromethane	5.185	49	1071435	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2948814	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2677366	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1941685	9.843	ppbv	0.00
Spiked Amount	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

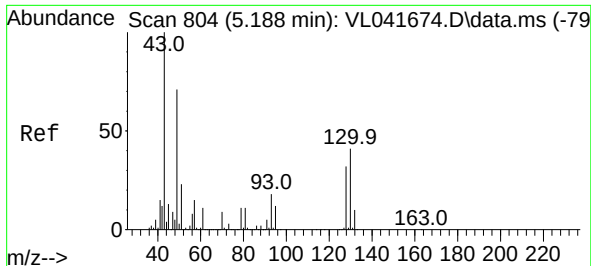
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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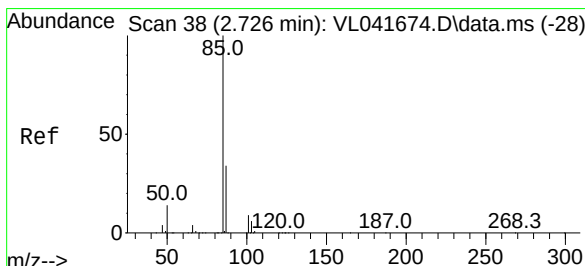
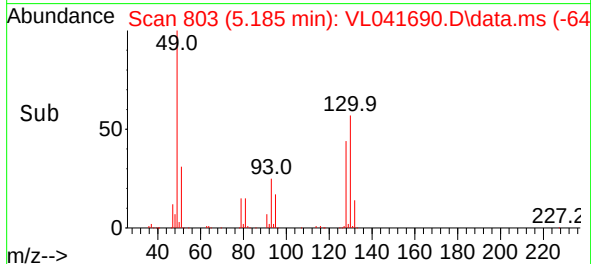
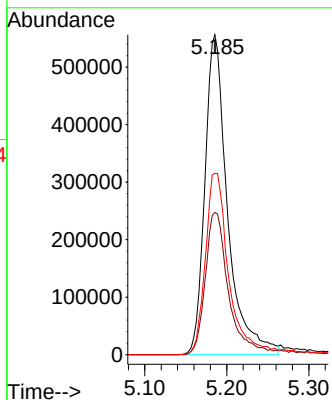
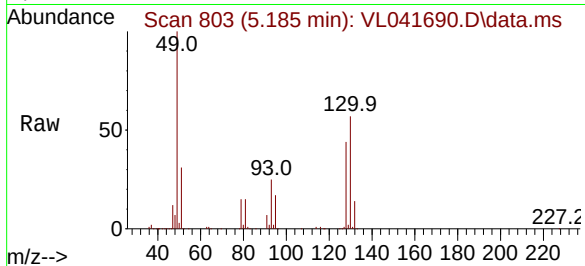




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 804
 Delta R.T. -0.003 min
 Lab File: VL041690.D
 Acq: 7 Nov 2024 23:03

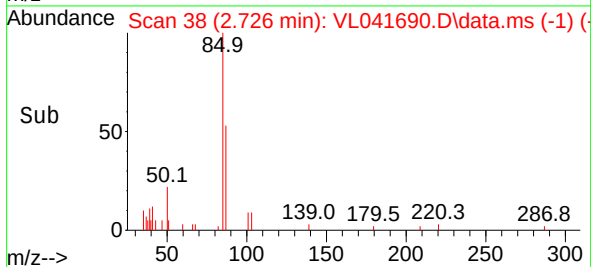
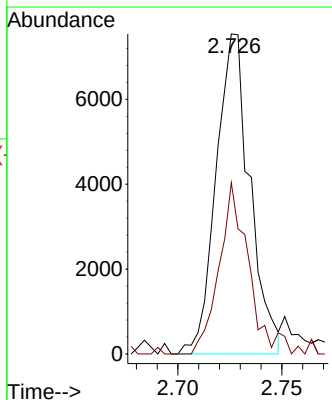
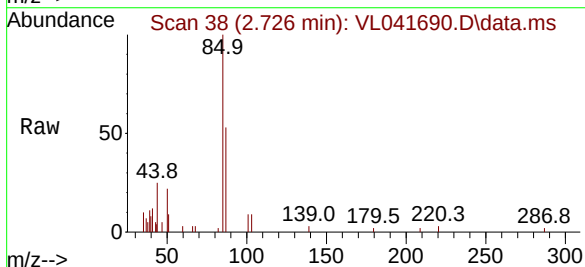
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

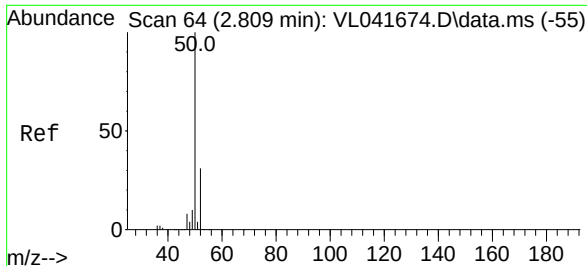
Tgt Ion: 49 Resp: 1071435
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.8 71.2
 130 59.8 30.1 90.5



#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#

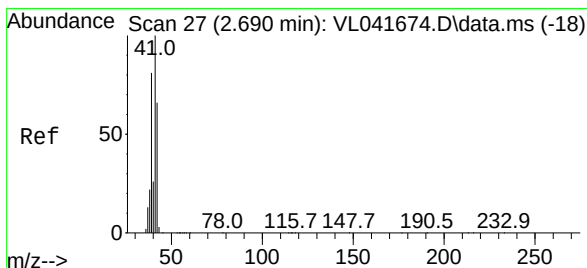
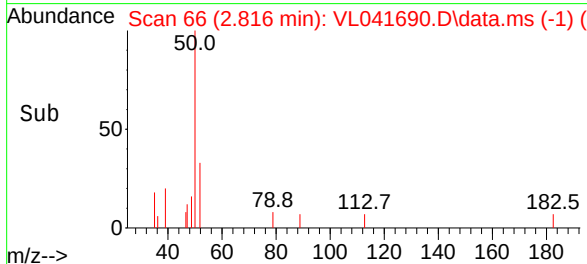
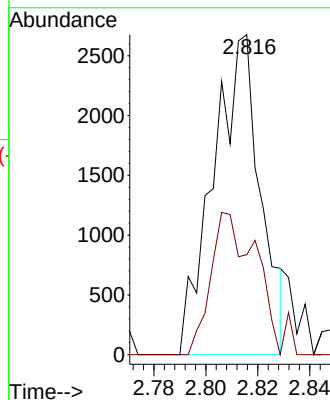
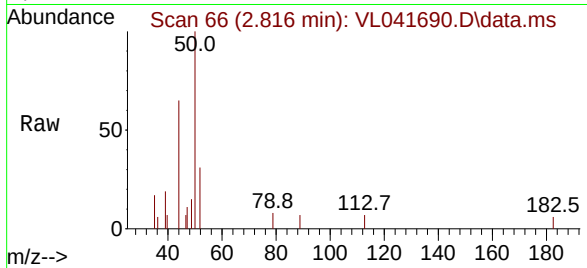




#4
Chloromethane
Concen: 0.046 ppbv
RT: 2.816 min Scan# 60
Delta R.T. 0.007 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

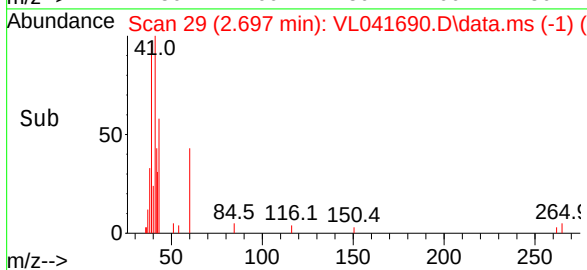
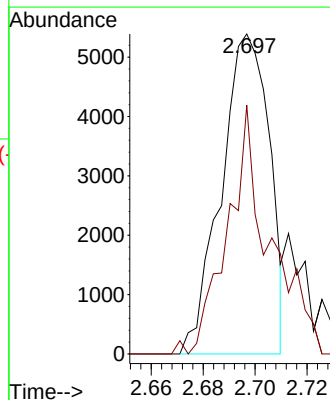
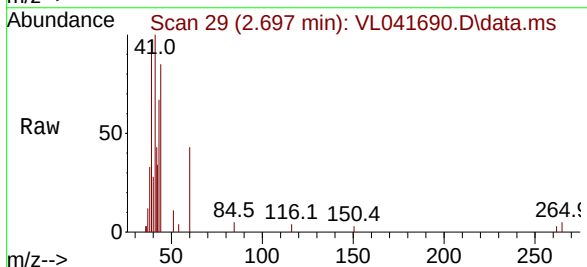
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

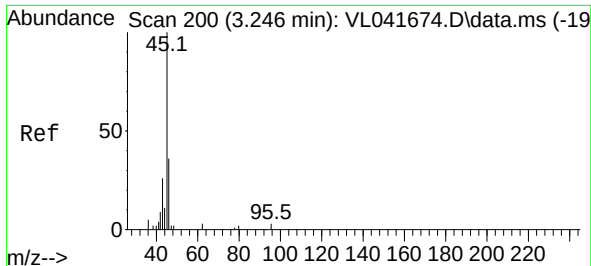
Tgt Ion: 50 Resp: 3372
Ion Ratio Lower Upper
50 100
52 31.2 24.9 37.3



#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

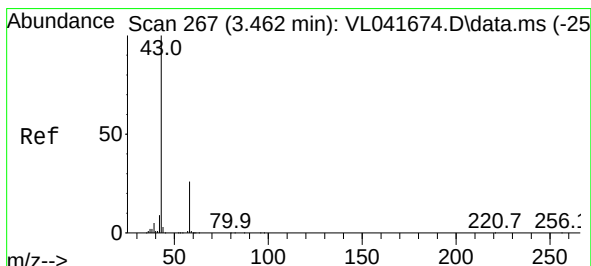
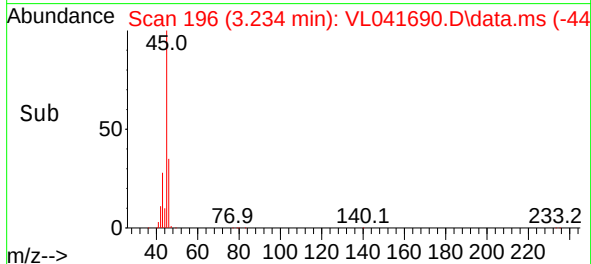
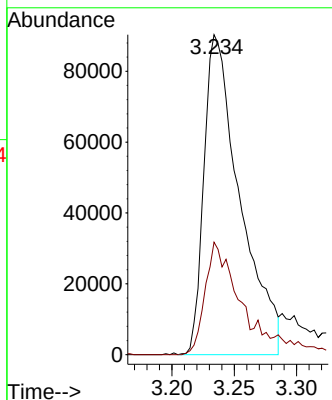
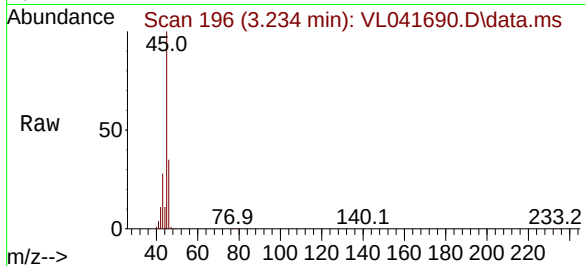




#13
Ethanol
Concen: 48.802 ppbv
RT: 3.234 min Scan# 196
Delta R.T. -0.013 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

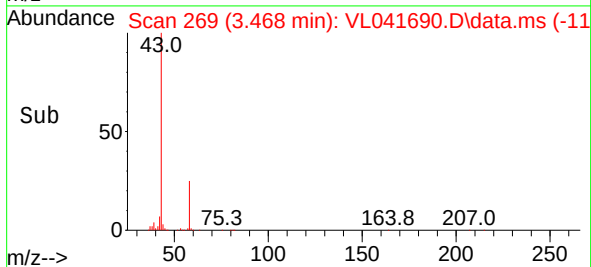
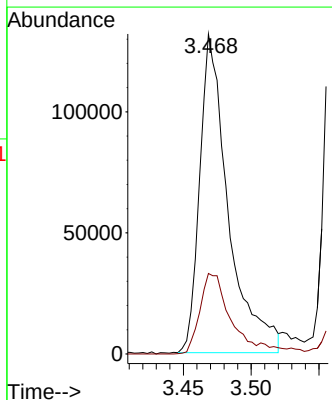
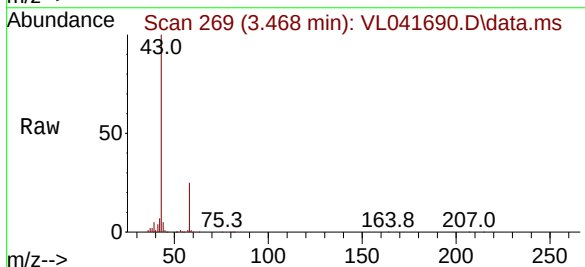
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

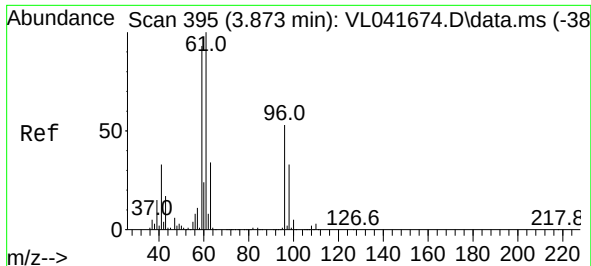
Tgt Ion: 45 Resp: 181769
Ion Ratio Lower Upper
45 100
46 39.4 13.8 55.2



#15
Acetone
Concen: 1.462 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.007 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

Tgt Ion: 43 Resp: 192771
Ion Ratio Lower Upper
43 100
58 28.7 21.4 32.0

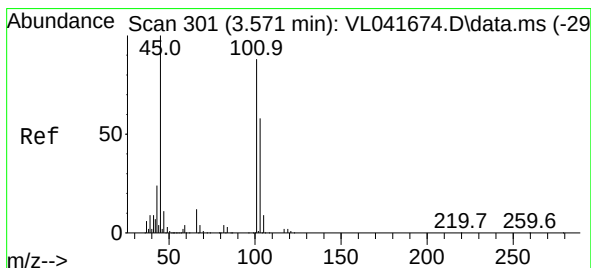
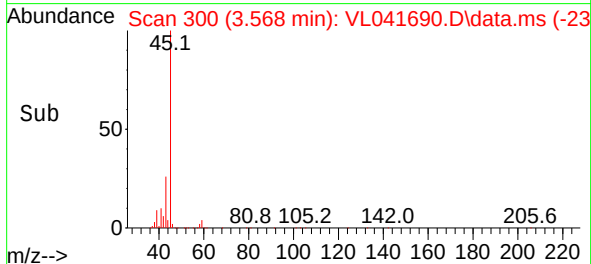
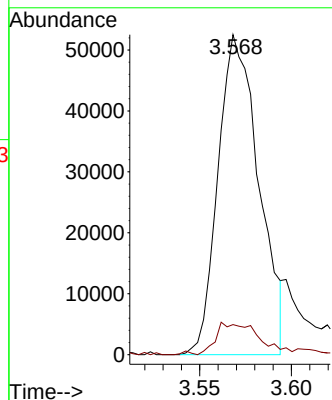
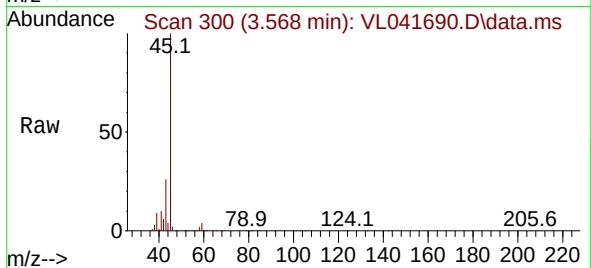




#17
tert-Butyl alcohol
Concen: 0.702 ppbv
RT: 3.568 min Scan# 300
Delta R.T. -0.305 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

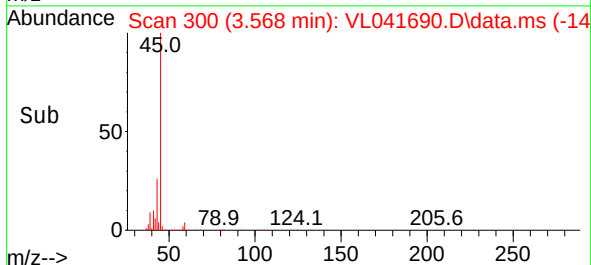
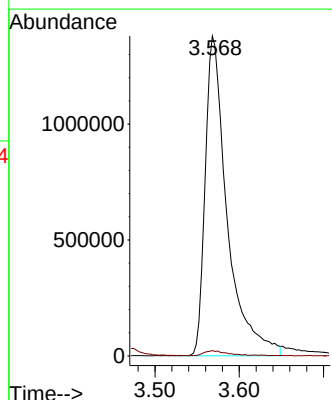
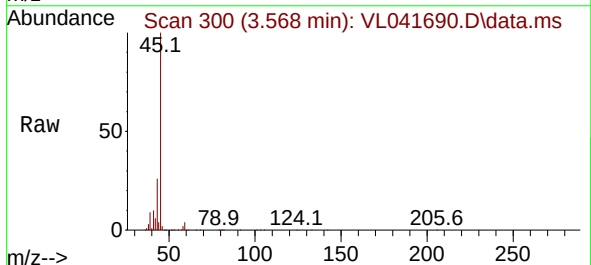
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

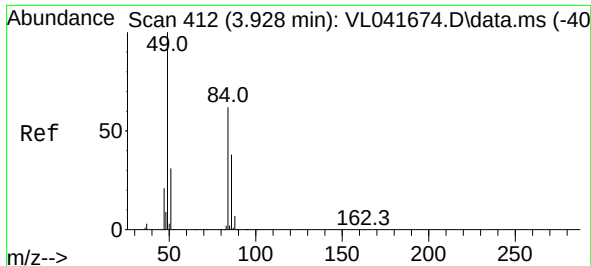
Tgt Ion: 59 Resp: 81236
Ion Ratio Lower Upper
59 100
57 12.4 8.5 12.7



#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#

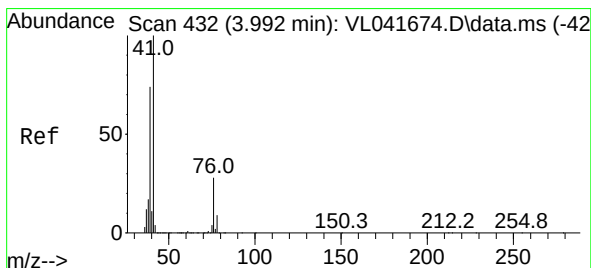
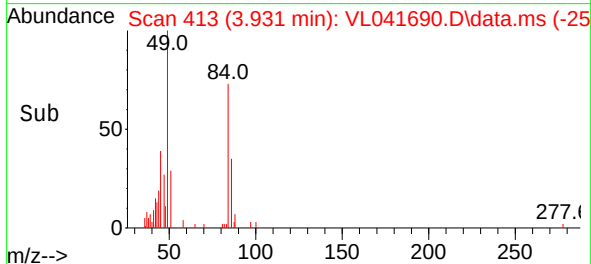
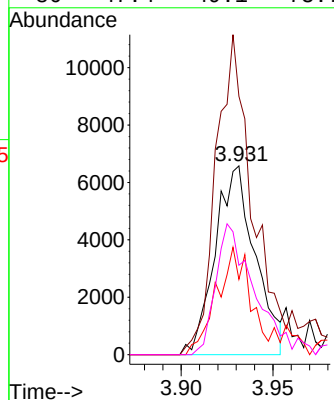
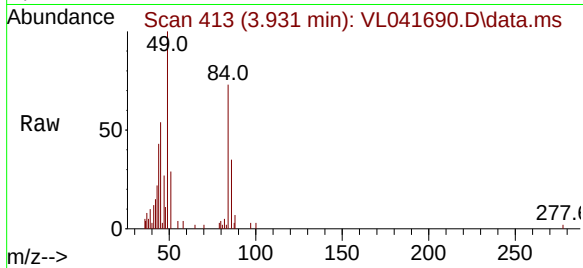




#20
Methylene Chloride
Concen: 0.206 ppbv
RT: 3.931 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

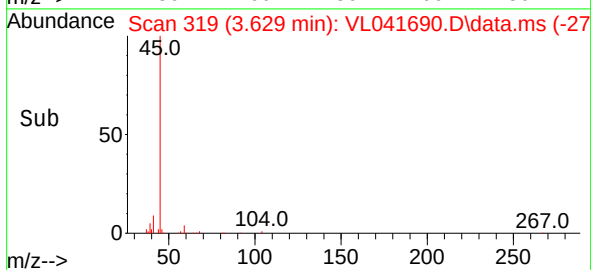
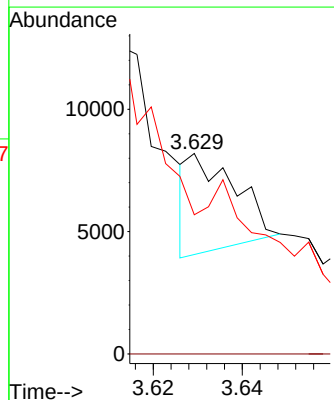
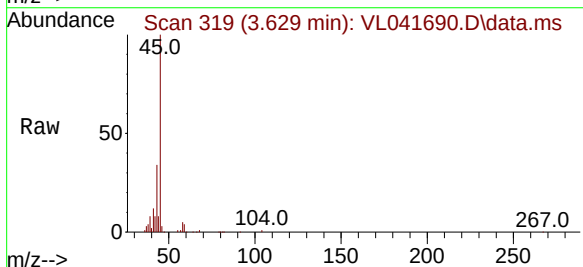
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

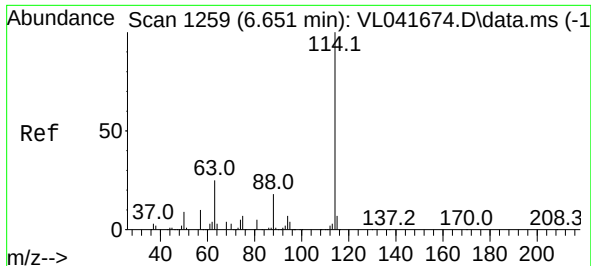
Tgt Ion: 84 Resp: 9980
Ion Ratio Lower Upper
84 100
49 136.8 129.7 194.5
51 39.9 39.8 59.6
86 47.4 49.1 73.7#



#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# 1257

Delta R.T. -0.006 min

Lab File: VL041690.D

Acq: 7 Nov 2024 23:03

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

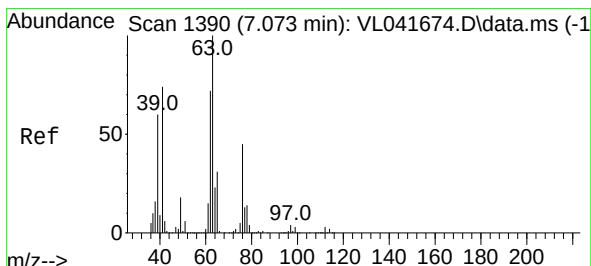
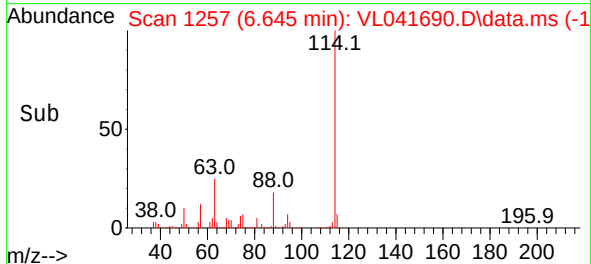
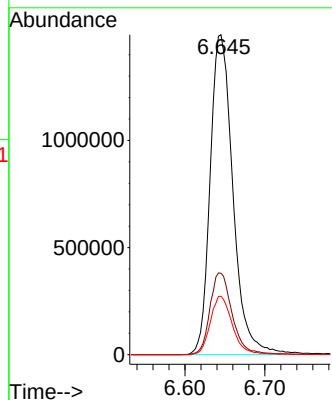
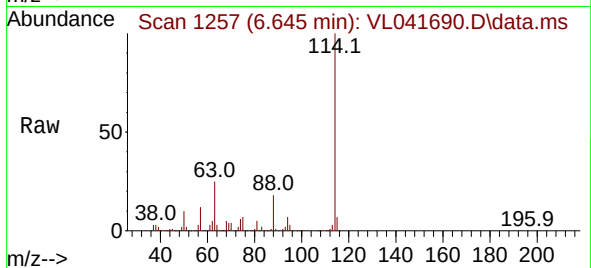
Tgt Ion:114 Resp: 2948814

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

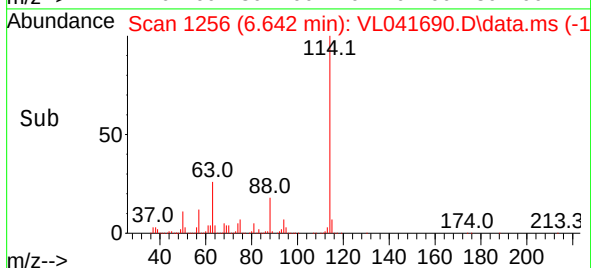
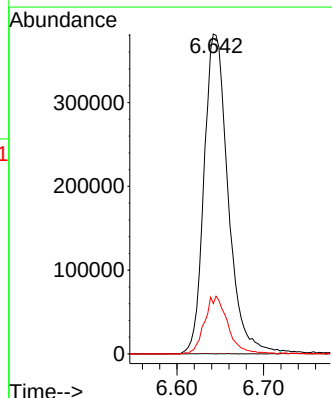
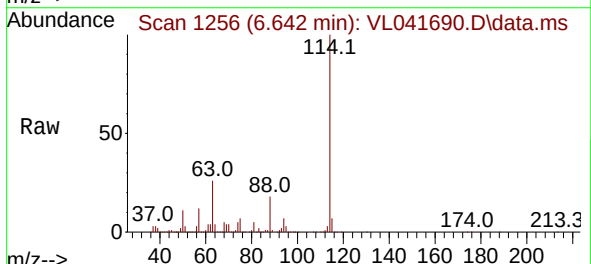
Tgt Ion: 63 Resp: 736479

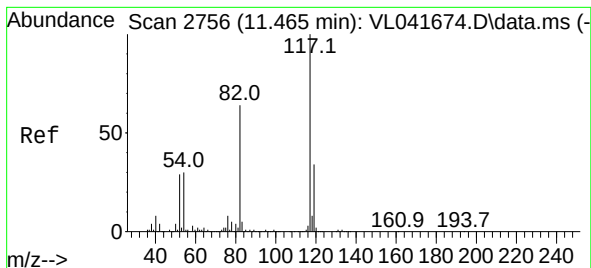
Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

62 15.8 57.7 86.5#

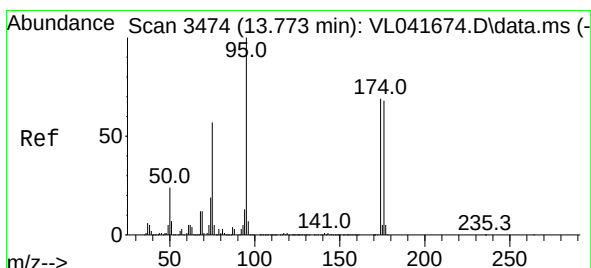
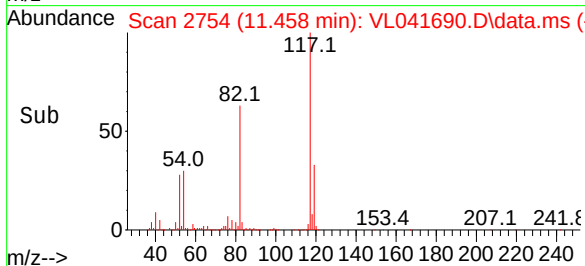
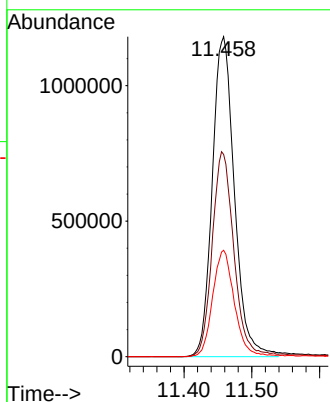
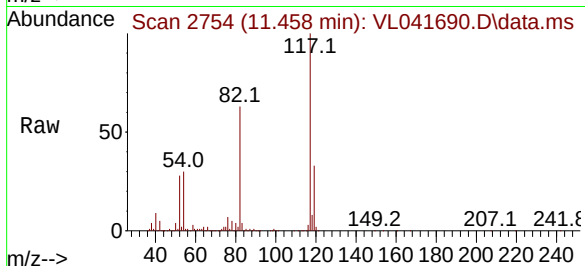




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041690.D
Acq: 7 Nov 2024 23:03

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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

