

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041686.D
 Acq On : 7 Nov 2024 20:24
 Operator : SY/MD
 Sample : P4696-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 08 03:53:18 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)

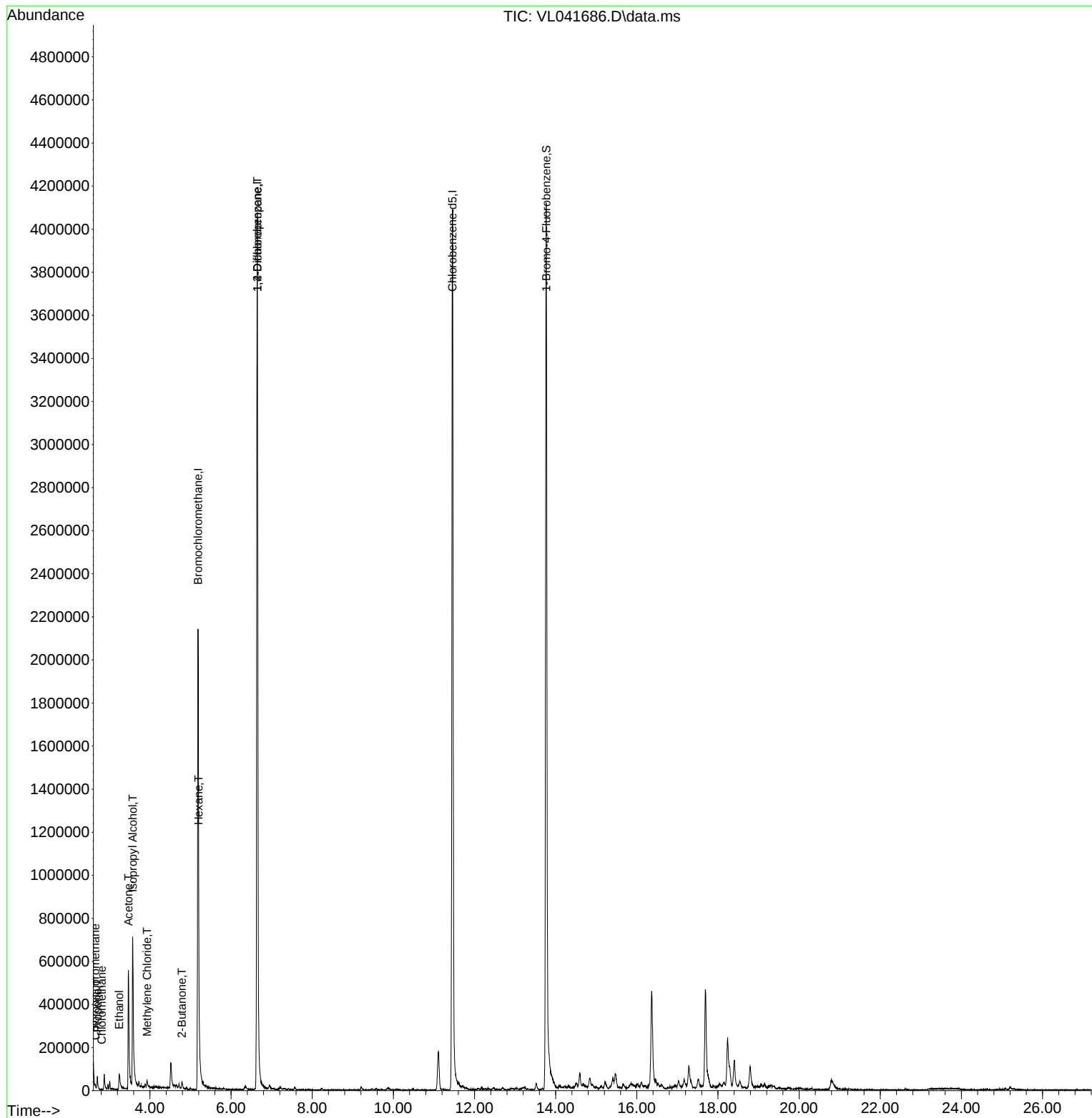
Internal Standards						
1) Bromochloromethane	5.185	49	1117519	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3083094	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2747012	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2062550	10.190	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.655	51	13156	0.090	ppbv #	74
4) Chloromethane	2.812	50	2424	0.031	ppbv #	76
9) Propene	2.703	41	15747	0.248	ppbv	89
13) Ethanol	3.243	45	35438	9.122	ppbv #	40
15) Acetone	3.472	43	604136	4.393	ppbv	100
19) Isopropyl Alcohol	3.574	45	782365	11.901	ppbv	100
20) Methylene Chloride	3.928	84	4868	0.096	ppbv #	91
26) Hexane	5.201	57	3499	0.032	ppbv #	1
34) 2-Butanone	4.787	43	16024	0.104	ppbv #	54
39) 1,2-Dichloropropane	6.645	63	769558	8.525	ppbv #	24

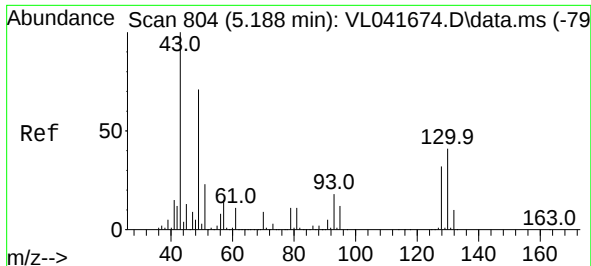
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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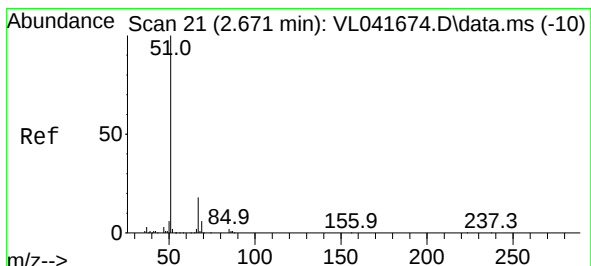
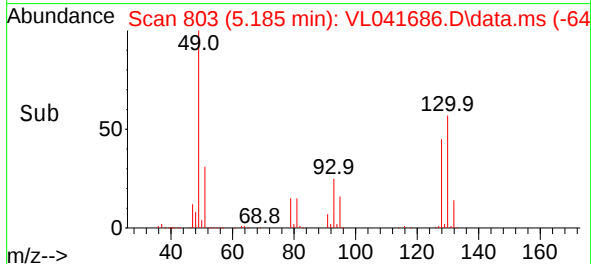
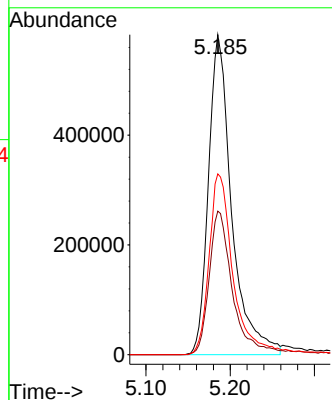
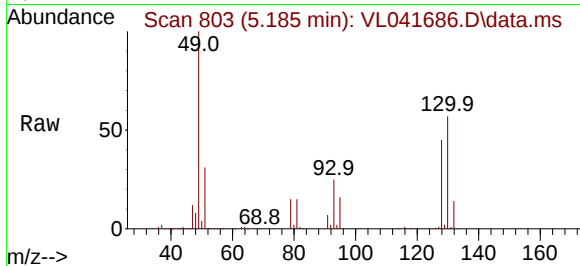




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041686.D
Acq: 7 Nov 2024 20:24

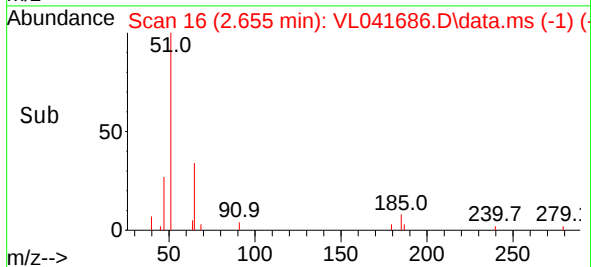
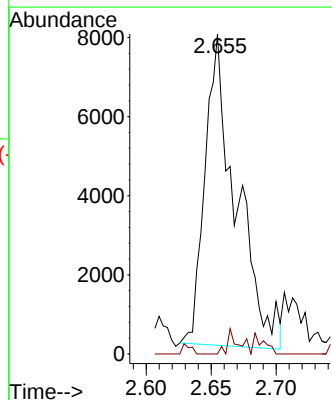
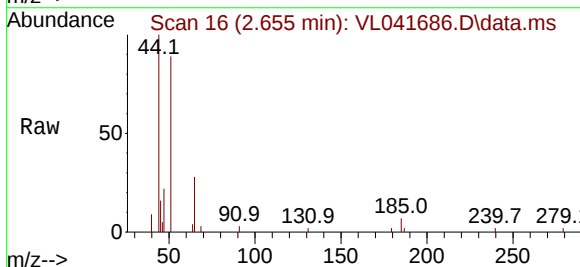
Instrument :
MSVOA_L
ClientSampleId :

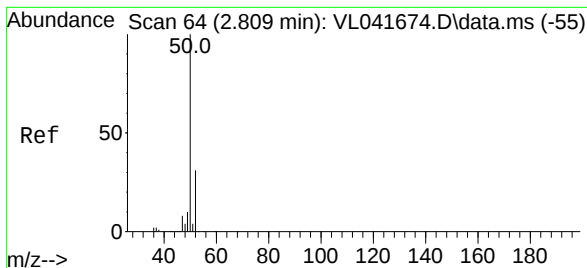
Tgt Ion: 49 Resp: 1117519
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.2
130 60.3 30.1 90.5



#3
Chlorodifluoromethane
Concen: 0.090 ppbv
RT: 2.655 min Scan# 16
Delta R.T. -0.016 min
Lab File: VL041686.D
Acq: 7 Nov 2024 20:24

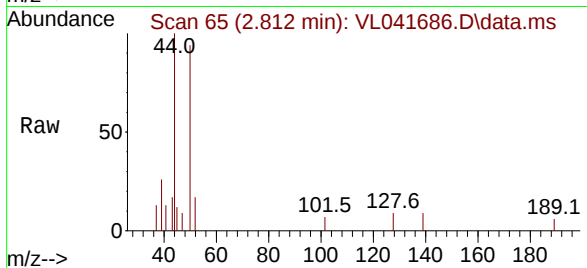
Tgt Ion: 51 Resp: 13156
Ion Ratio Lower Upper
51 100
67 5.8 13.9 20.9#



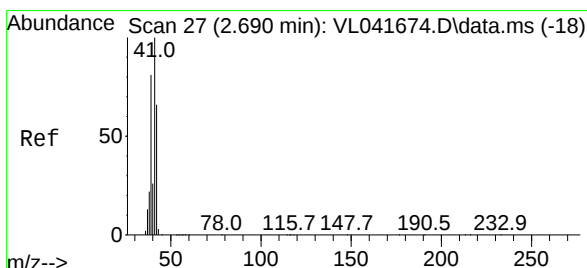
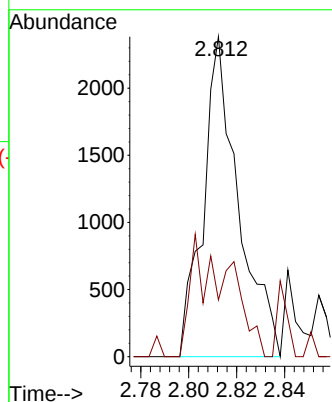
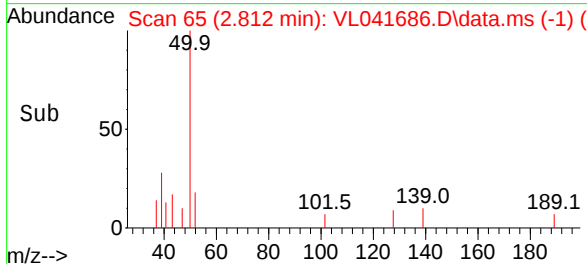


#4
Chloromethane
Concen: 0.031 ppbv
RT: 2.812 min Scan# 64
Delta R.T. 0.003 min
Lab File: VL041686.D
Acq: 7 Nov 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

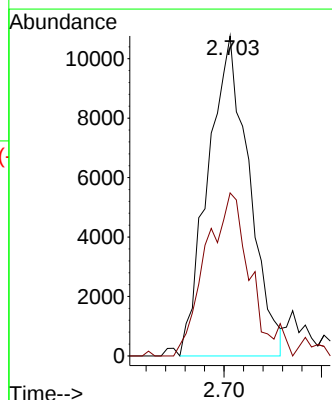
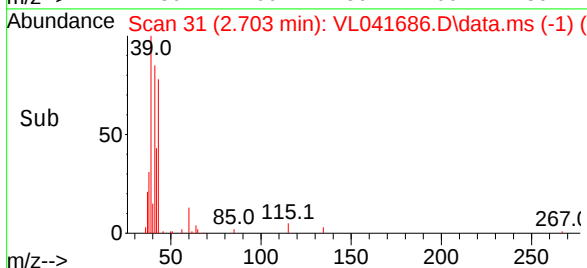
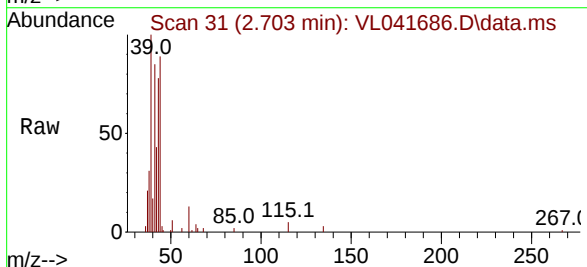


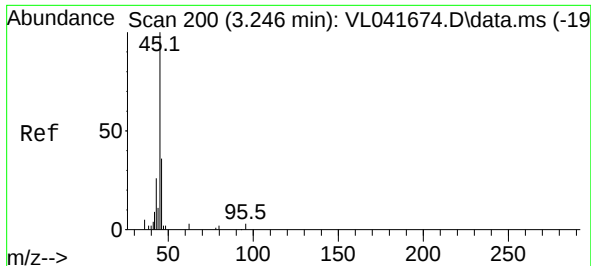
Tgt Ion: 50 Resp: 2424
Ion Ratio Lower Upper
50 100
52 17.7 24.9 37.3#



#9
Propene
Concen: 0.248 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041686.D
Acq: 7 Nov 2024 20:24

Tgt Ion: 41 Resp: 15747
Ion Ratio Lower Upper
41 100
42 59.5 55.0 82.4





#13

Ethanol

Concen: 9.122 ppbv

RT: 3.243 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041686.D

Acq: 7 Nov 2024 20:24

Instrument :

MSVOA_L

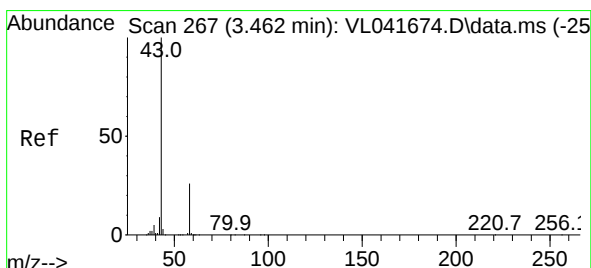
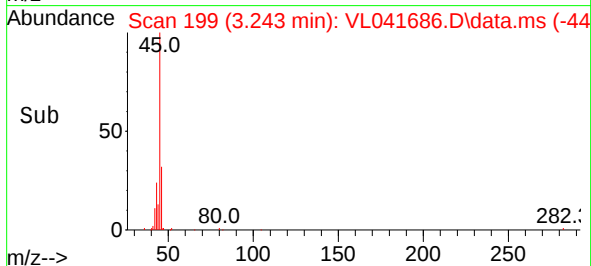
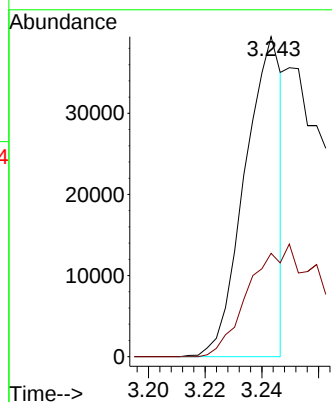
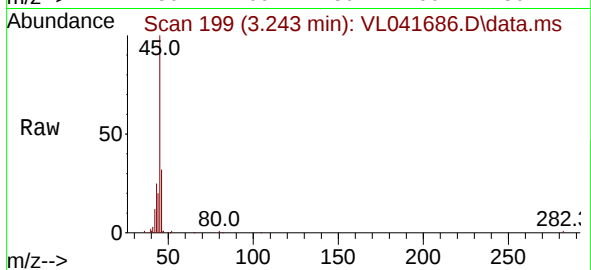
ClientSampleId :

Tgt Ion: 45 Resp: 35438

Ion Ratio Lower Upper

45 100

46 0.0 13.8 55.2#



#15

Acetone

Concen: 4.393 ppbv

RT: 3.472 min Scan# 270

Delta R.T. 0.010 min

Lab File: VL041686.D

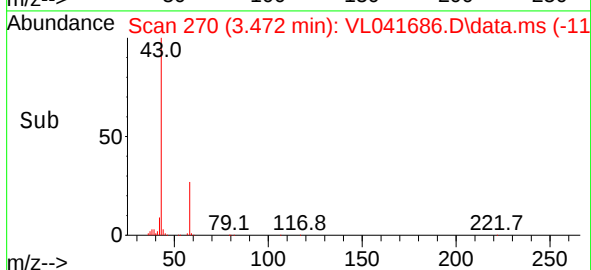
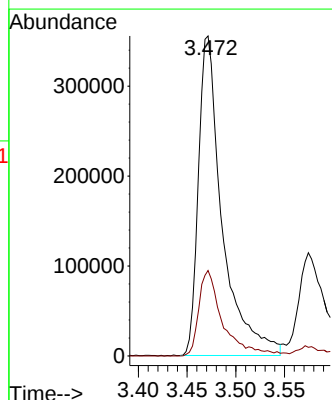
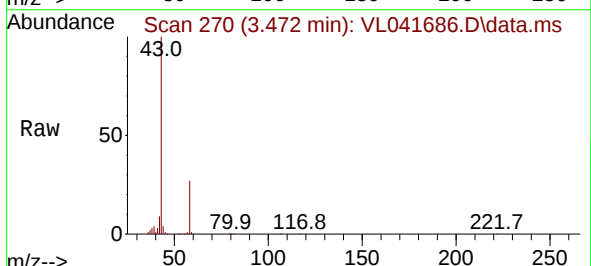
Acq: 7 Nov 2024 20:24

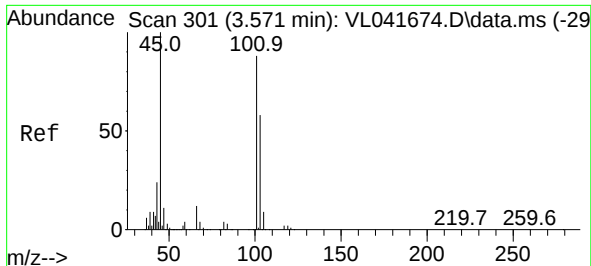
Tgt Ion: 43 Resp: 604136

Ion Ratio Lower Upper

43 100

58 26.6 21.4 32.0





#19

Isopropyl Alcohol

Concen: 11.901 ppbv

RT: 3.574 min Scan# 301

Delta R.T. 0.003 min

Lab File: VL041686.D

Acq: 7 Nov 2024 20:24

Instrument :

MSVOA_L

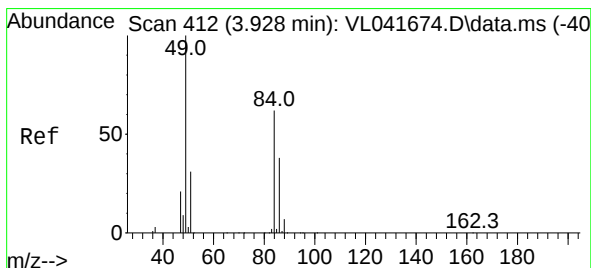
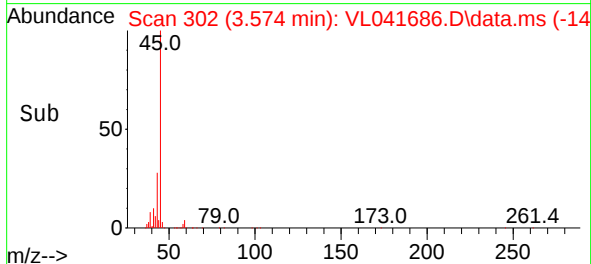
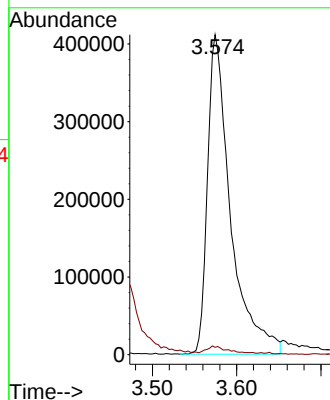
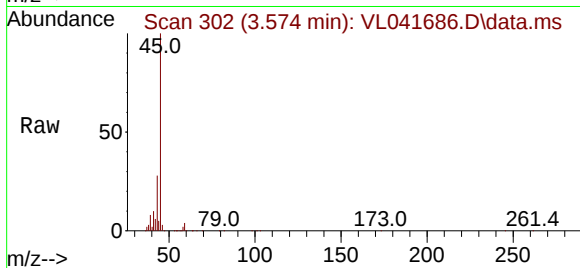
ClientSampleId :

Tgt Ion: 45 Resp: 782365

Ion Ratio Lower Upper

45 100

58 3.0 2.5 3.7



#20

Methylene Chloride

Concen: 0.096 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041686.D

Acq: 7 Nov 2024 20:24

Tgt Ion: 84 Resp: 4868

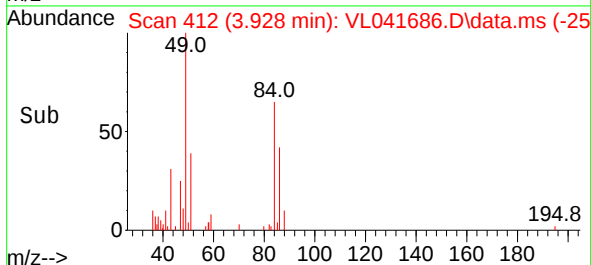
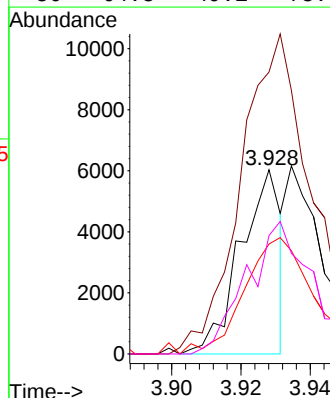
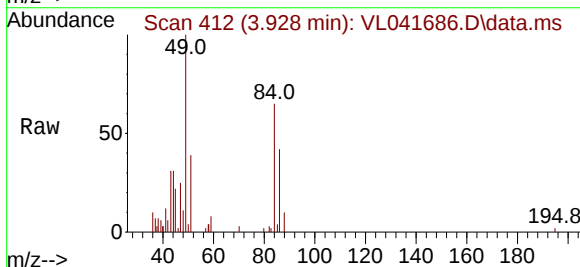
Ion Ratio Lower Upper

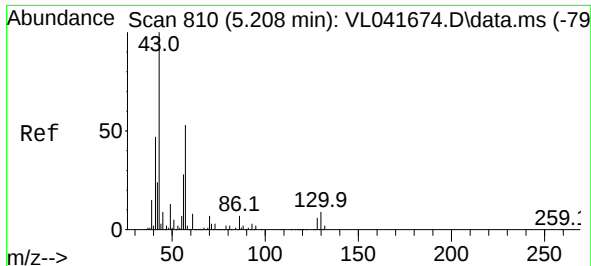
84 100

49 149.6 129.7 194.5

51 59.7 39.8 59.6#

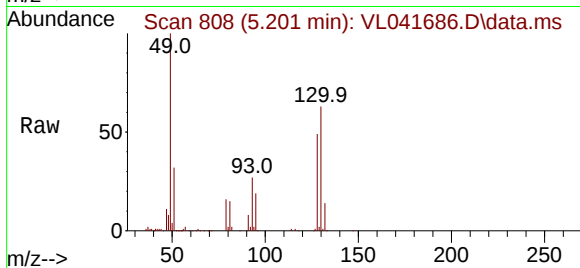
86 64.3 49.1 73.7



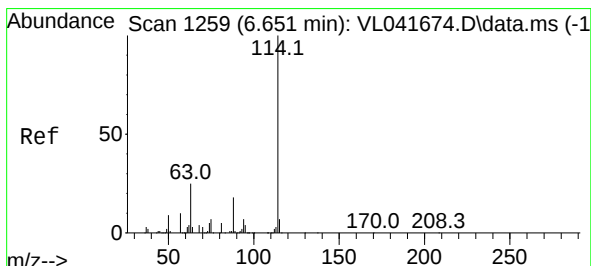
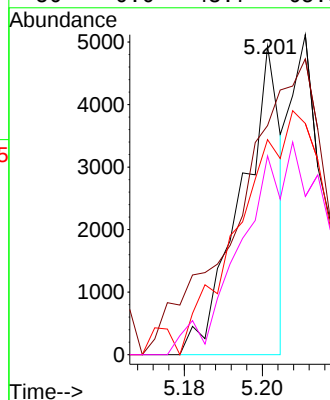
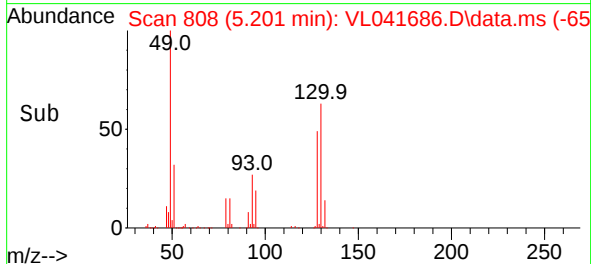


#26
Hexane
Concen: 0.032 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL041686.D
Acq: 7 Nov 2024 20:24

Instrument :
MSVOA_L
ClientSampleId :

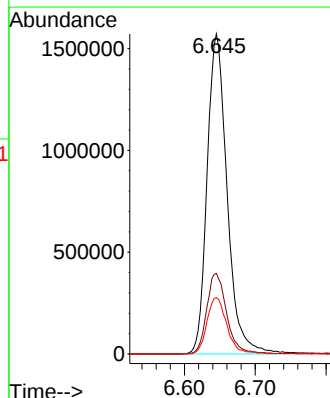
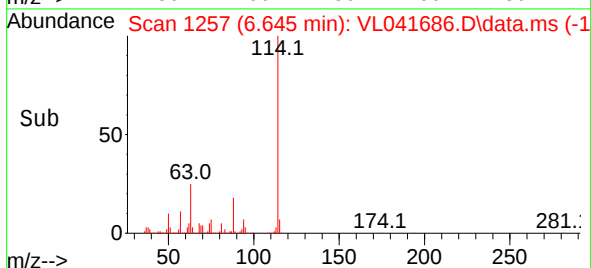
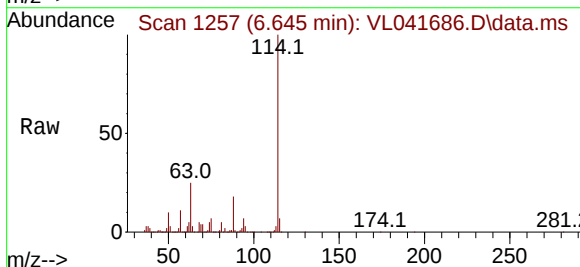


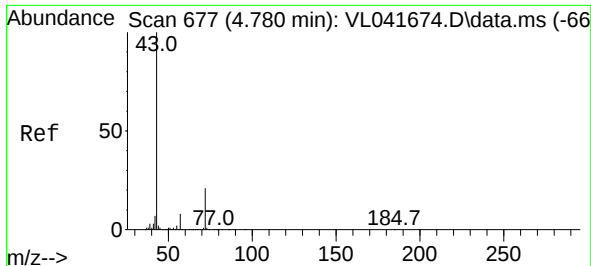
Tgt Ion: 57 Resp: 3499
Ion Ratio Lower Upper
57 100
41 0.0 76.1 114.1#
43 0.0 207.0 310.6#
56 0.0 43.7 65.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VL041686.D
Acq: 7 Nov 2024 20:24

Tgt Ion:114 Resp: 3083094
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 17.7 14.2 21.4





#34

2-Butanone

Concen: 0.104 ppbv

RT: 4.787 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL041686.D

Acq: 7 Nov 2024 20:24

Instrument :

MSVOA_L

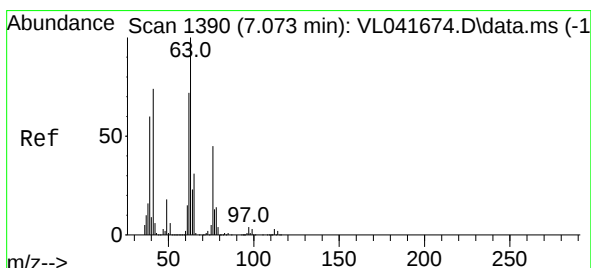
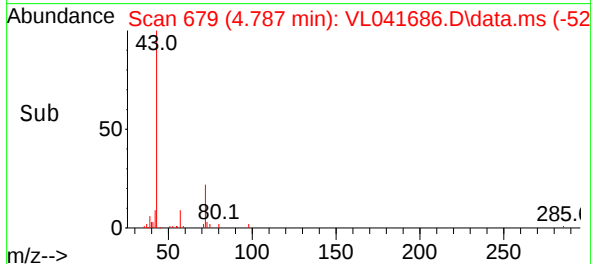
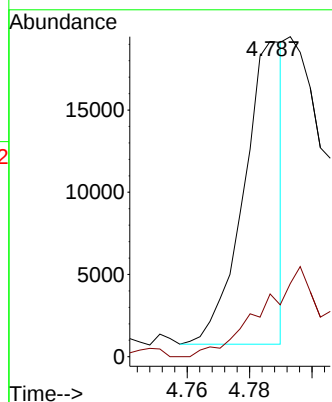
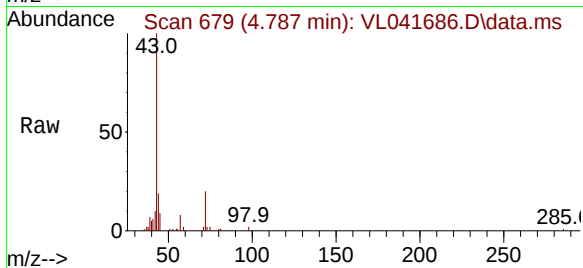
ClientSampleId :

Tgt Ion: 43 Resp: 16024

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#



#39

1,2-Dichloropropane

Concen: 8.525 ppbv

RT: 6.645 min Scan# 1257

Delta R.T. -0.428 min

Lab File: VL041686.D

Acq: 7 Nov 2024 20:24

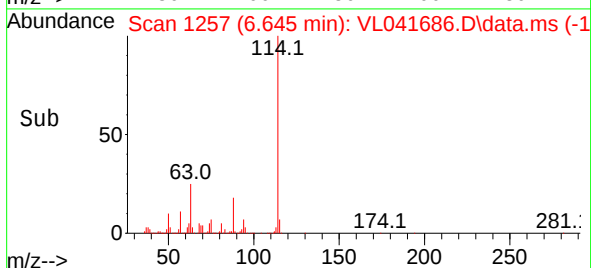
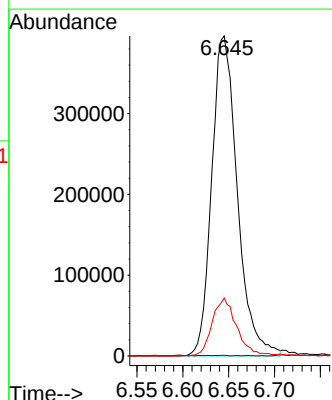
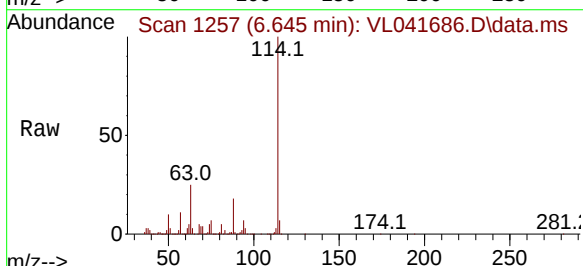
Tgt Ion: 63 Resp: 769558

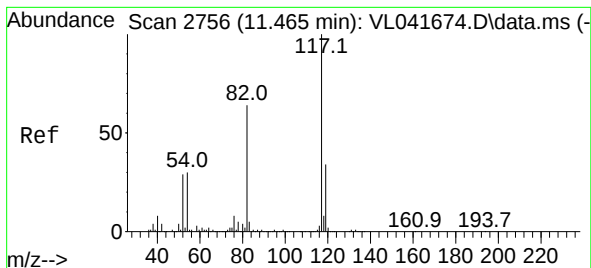
Ion Ratio Lower Upper

63 100

41 0.0 59.1 88.7#

62 18.2 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: VL041686.D

Acq: 7 Nov 2024 20:24

Instrument :

MSVOA_L

ClientSampleId :

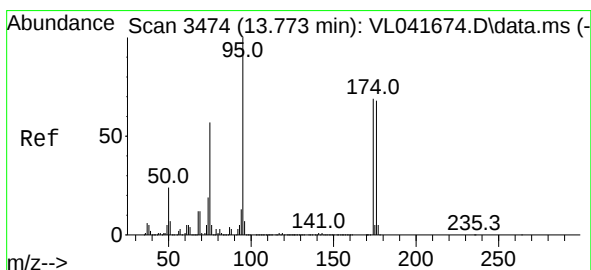
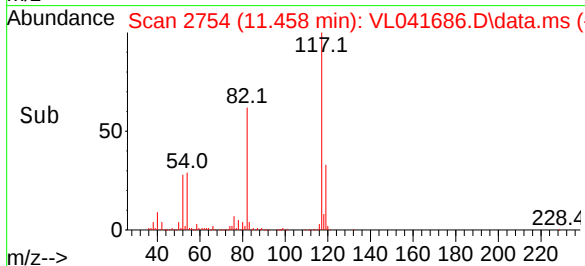
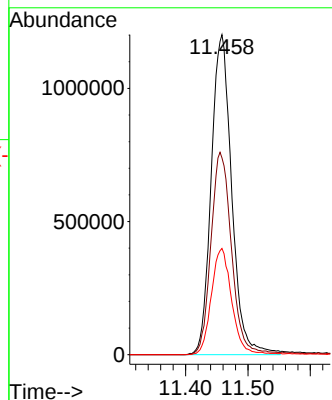
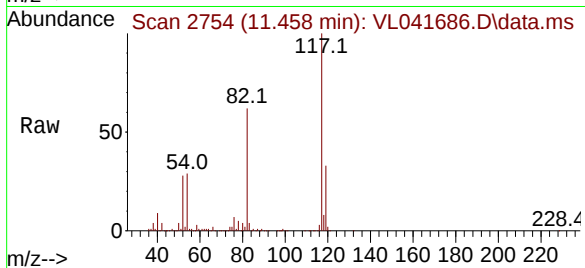
Tgt Ion:117 Resp: 2747012

Ion Ratio Lower Upper

117 100

82 64.4 49.8 74.8

119 33.3 24.2 36.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.190 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. -0.006 min

Lab File: VL041686.D

Acq: 7 Nov 2024 20:24

Tgt Ion: 95 Resp: 2062550

Ion Ratio Lower Upper

95 100

174 70.4 55.6 83.4

175 5.0 4.2 6.2

