

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040824\
 Data File : VL041148.D
 Acq On : 8 Apr 2024 13:21
 Operator : SY/MD
 Sample : P1953-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Quant Time: Apr 09 01:13:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 09 01:10:08 2024
 Response via : Initial Calibration

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

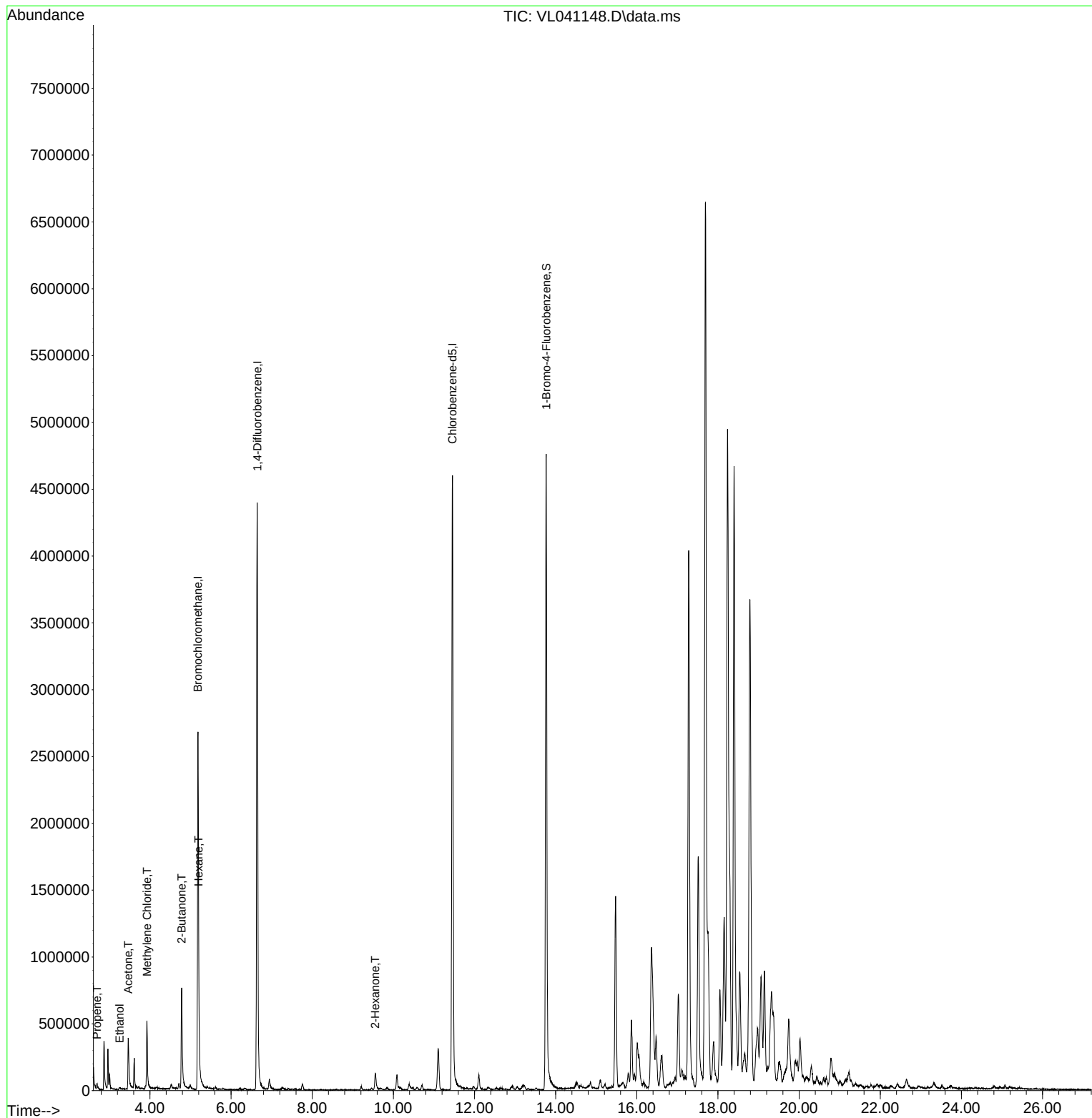
Internal Standards						
1) Bromochloromethane	5.182	49	1270060	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3447505	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3102809	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2442528	9.790	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
9) Propene	2.694	41	16493	0.265	ppbv	99
13) Ethanol	3.253	45	13249	0.895	ppbv	84
15) Acetone	3.465	43	382857	2.784	ppbv #	75
20) Methylene Chloride	3.928	84	170272	3.002	ppbv	97
26) Hexane	5.202	57	94182	0.813	ppbv #	39
34) 2-Butanone	4.784	43	957251	6.562	ppbv	99
51) 2-Hexanone	9.555	43	109383	0.615	ppbv #	91

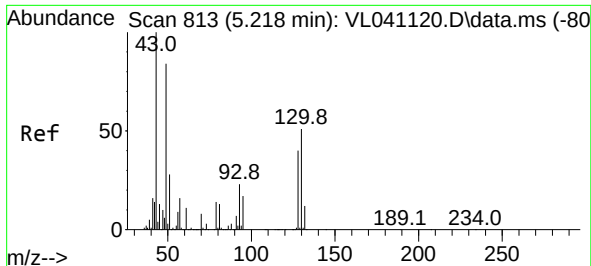
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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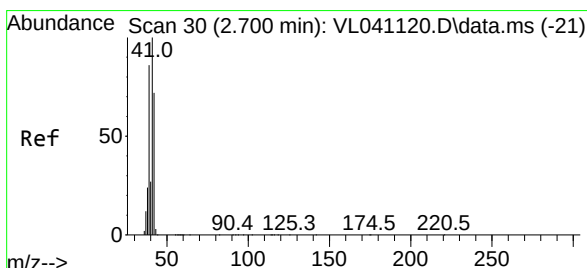
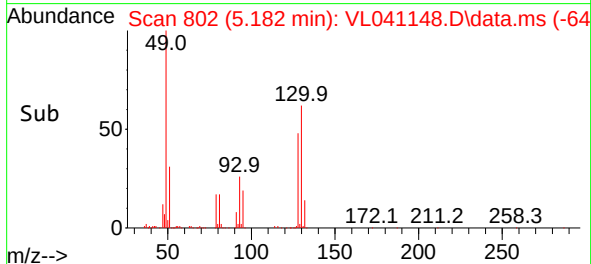
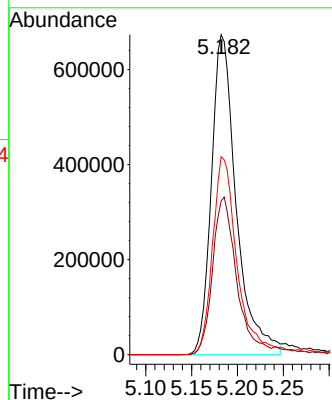
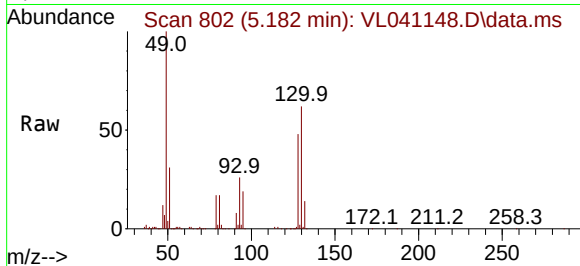




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

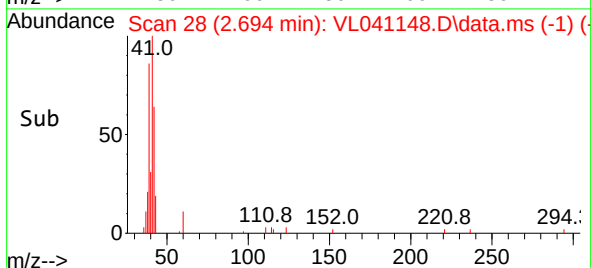
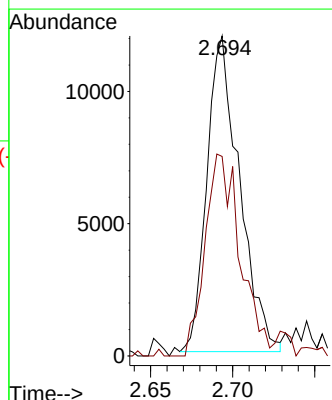
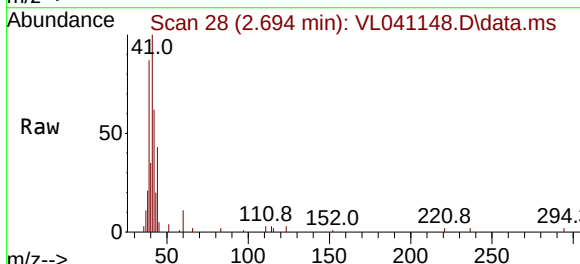
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

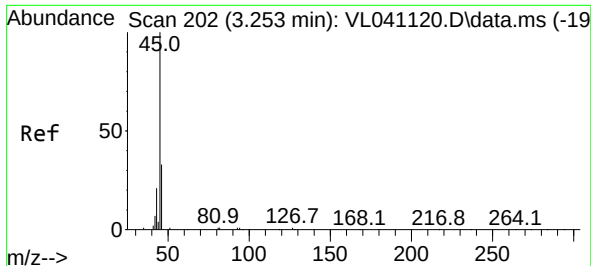
Tgt Ion: 49 Resp: 1270060
Ion Ratio Lower Upper
49 100
128 50.6 23.6 71.0
130 63.9 30.1 90.5



#9
Propene
Concen: 0.265 ppbv
RT: 2.694 min Scan# 28
Delta R.T. 0.013 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

Tgt Ion: 41 Resp: 16493
Ion Ratio Lower Upper
41 100
42 74.0 60.1 90.1

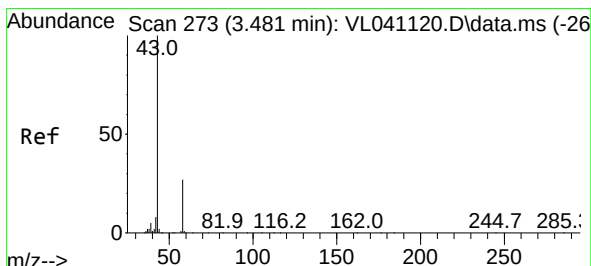
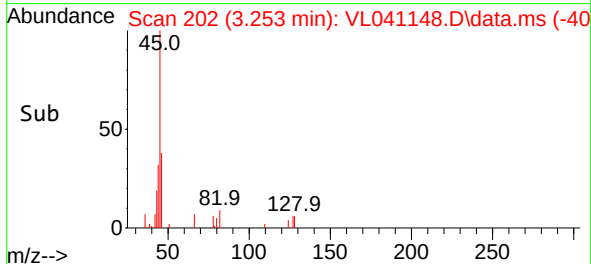
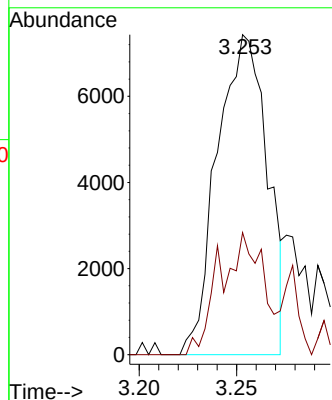
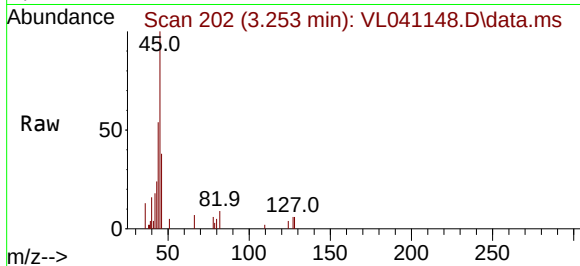




#13
Ethanol
Concen: 0.895 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.022 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

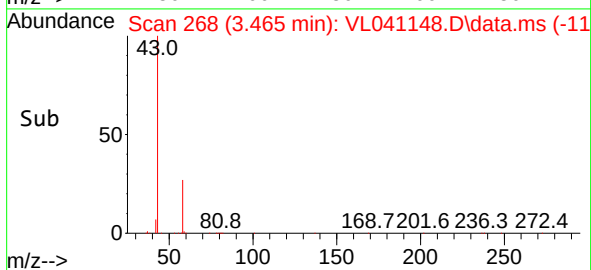
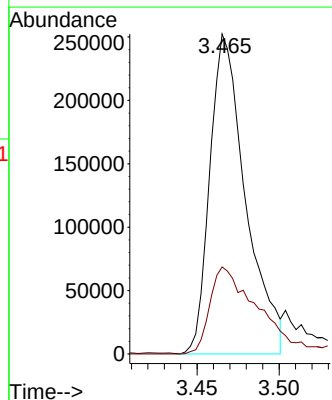
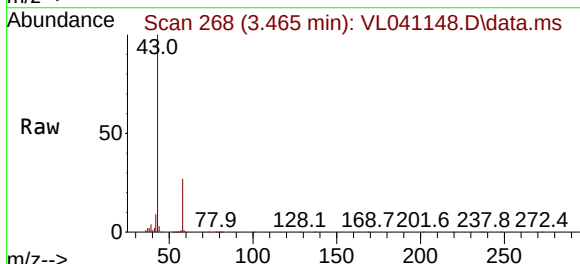
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

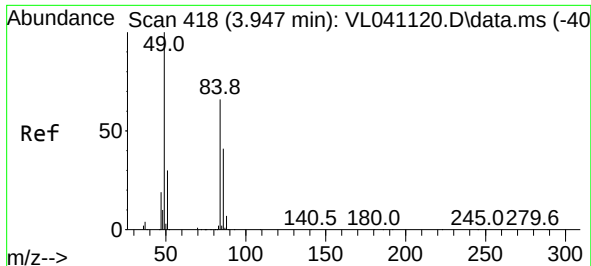
Tgt Ion: 45 Resp: 13249
Ion Ratio Lower Upper
45 100
46 47.0 15.0 59.8



#15
Acetone
Concen: 2.784 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.010 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

Tgt Ion: 43 Resp: 382857
Ion Ratio Lower Upper
43 100
58 39.4 21.1 31.7#



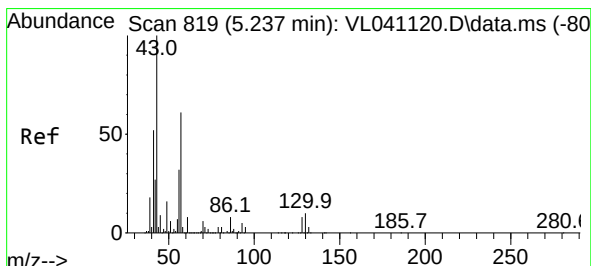
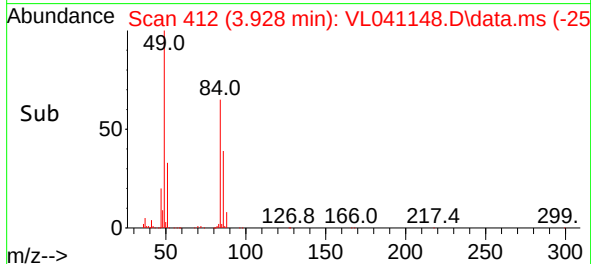
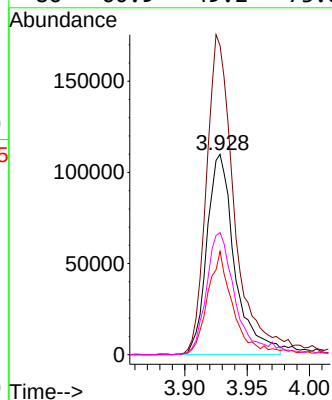
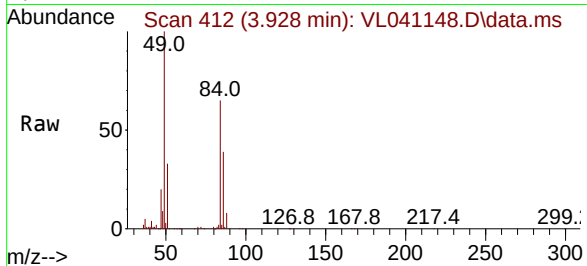


#20
Methylene Chloride
Concen: 3.002 ppbv
RT: 3.928 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 84 Resp: 170272

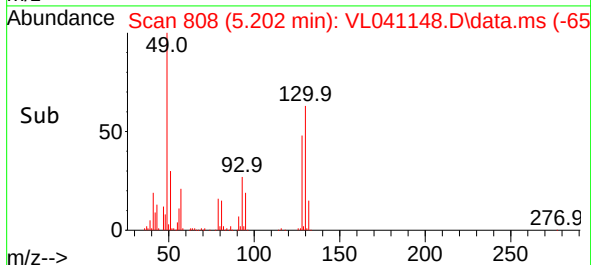
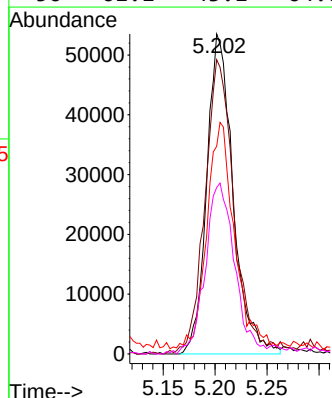
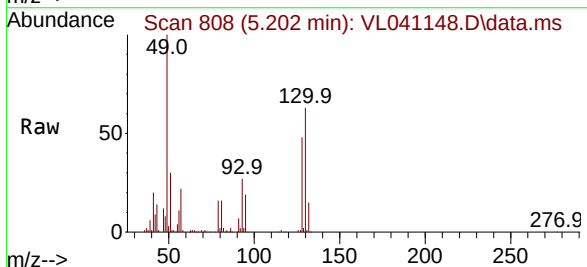
Ion	Ratio	Lower	Upper
84	100		
49	154.3	120.7	181.1
51	51.5	36.6	54.8
86	60.9	49.2	73.8

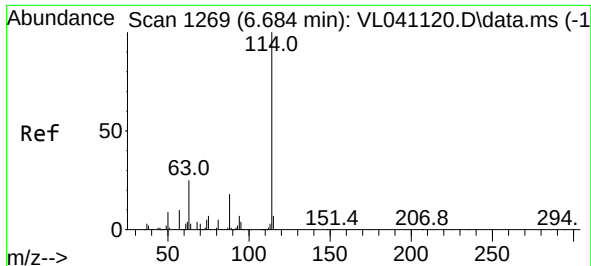


#26
Hexane
Concen: 0.813 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.006 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

Tgt Ion: 57 Resp: 94182

Ion	Ratio	Lower	Upper
57	100		
41	102.4	73.8	110.8
43	78.0	186.2	279.2#
56	61.1	43.1	64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041148.D

Acq: 8 Apr 2024 13:21

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

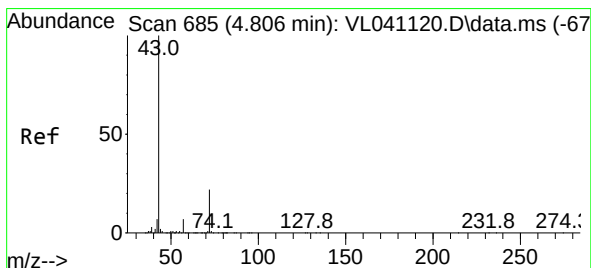
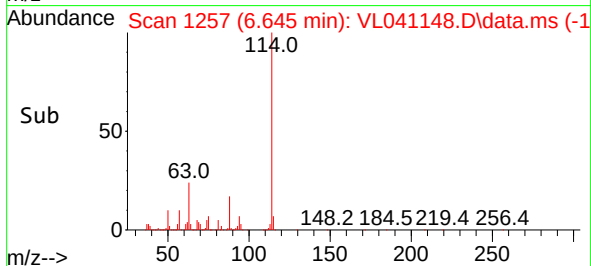
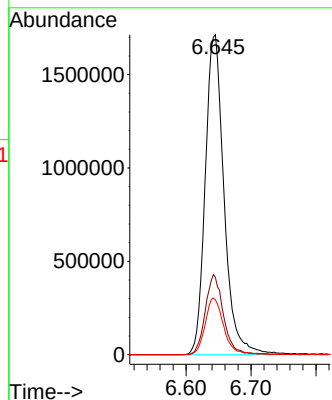
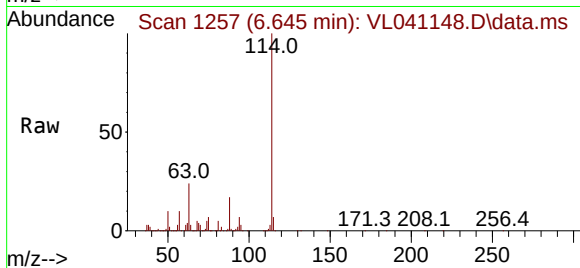
Tgt Ion:114 Resp: 3447505

Ion Ratio Lower Upper

114 100

63 24.4 20.9 31.3

88 17.5 14.5 21.7



#34

2-Butanone

Concen: 6.562 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.013 min

Lab File: VL041148.D

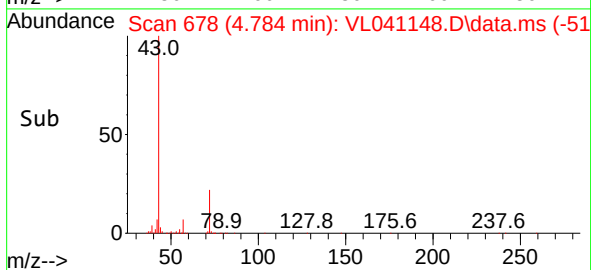
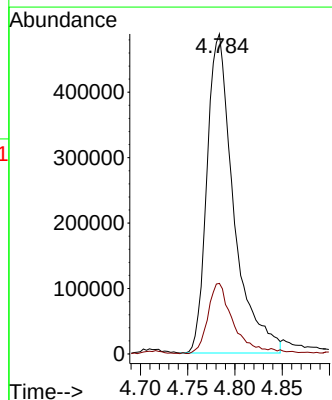
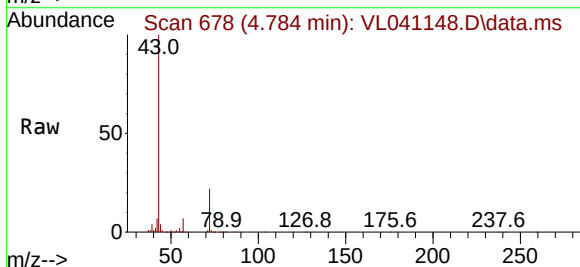
Acq: 8 Apr 2024 13:21

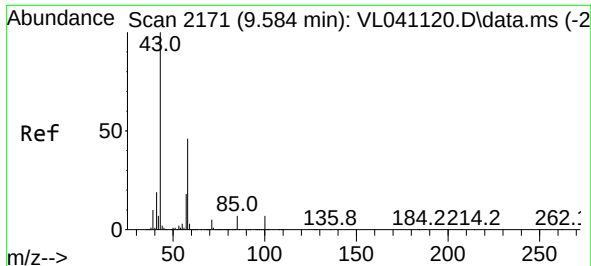
Tgt Ion: 43 Resp: 957251

Ion Ratio Lower Upper

43 100

72 22.3 17.6 26.4

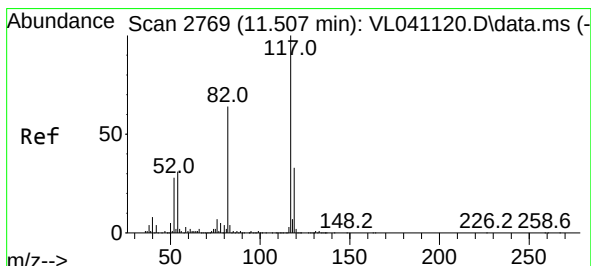
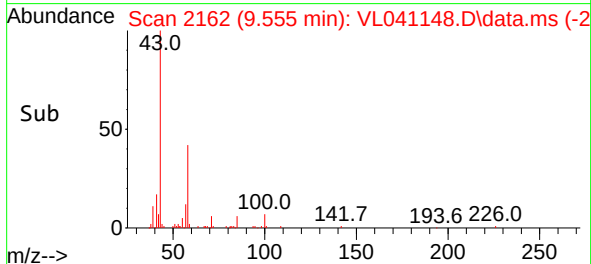
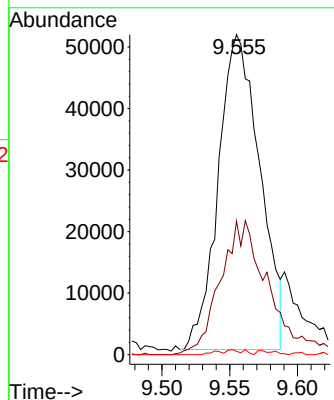
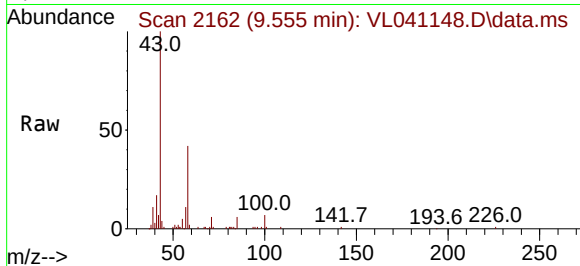




#51
2-Hexanone
Concen: 0.615 ppbv
RT: 9.555 min Scan# 2171
Delta R.T. 0.022 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

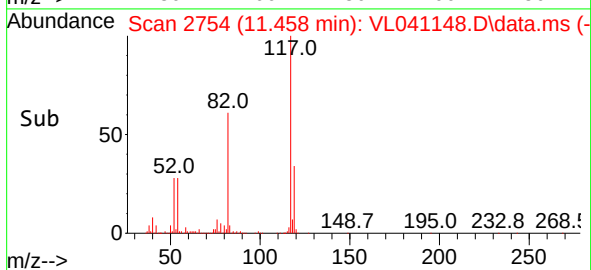
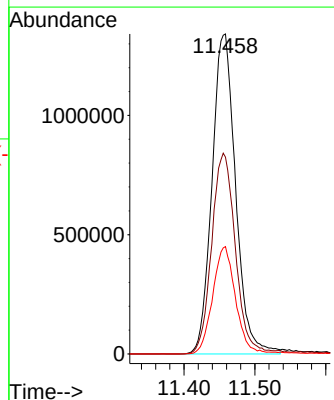
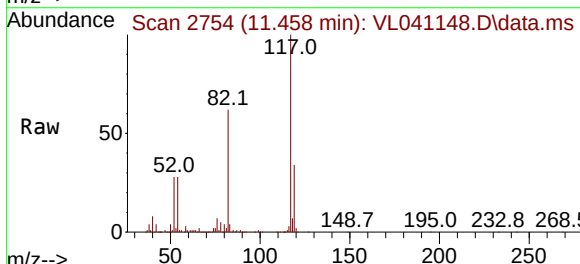
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

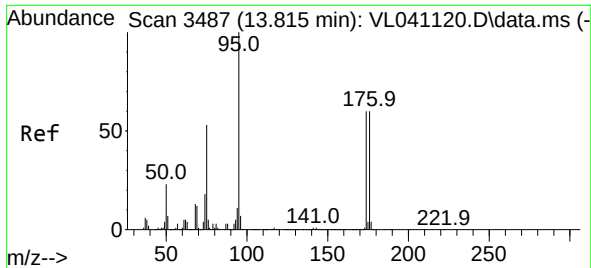
Tgt Ion: 43 Resp: 109383
Ion Ratio Lower Upper
43 100
58 52.8 37.3 55.9
98 1.6 0.3 0.5#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. 0.006 min
Lab File: VL041148.D
Acq: 8 Apr 2024 13:21

Tgt Ion: 117 Resp: 3102809
Ion Ratio Lower Upper
117 100
82 64.4 51.0 76.6
119 33.0 25.2 37.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.790 ppbv
 RT: 13.767 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL041148.D
 Acq: 8 Apr 2024 13:21

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tgt Ion: 95 Resp: 2442528

Ion	Ratio	Lower	Upper
95	100		
174	61.7	49.3	73.9
175	4.6	3.6	5.4

