

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022725\
 Data File : VL042067.D
 Acq On : 27 Feb 2025 10:33
 Operator : SY/MD
 Sample : VL0227ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABL01

Quant Time: Feb 28 00:23:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

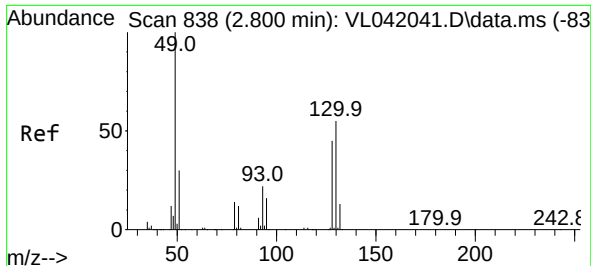
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	163221	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	381710	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.908	117	324281	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	250082	10.024	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds						
					Qvalue	
4) Chloromethane	1.541	50	288	0.046	ppbv #	77
9) Propene	1.489	41	426	0.044	ppbv #	56
13) Ethanol	1.732	45	2385	3.888	ppbv	86
15) Acetone	1.845	43	2950	0.205	ppbv #	78
19) Isopropyl Alcohol	1.900	45	885	0.107	ppbv #	47
20) Methylene Chloride	2.069	84	5584	1.024	ppbv #	75
23) Vinyl Acetate	2.483	43	309	0.030	ppbv #	1
26) Hexane	2.842	57	6891	0.295	ppbv #	33
34) 2-Butanone	2.580	43	1348	0.045	ppbv #	76
39) 1,2-Dichloropropane	3.985	63	102563	6.762	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.555	105	3345	0.059	ppbv #	48
79) Naphthalene	13.536	128	1337	0.034	ppbv #	90
80) Naphthalene,2-methyl-	14.481	142	720	0.067	ppbv	88

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

Quant Time: Feb 28 00:23:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

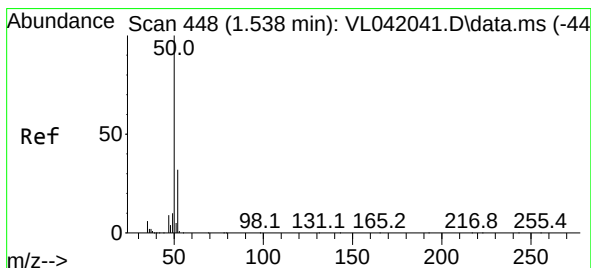
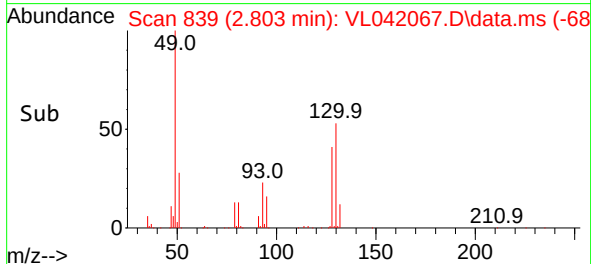
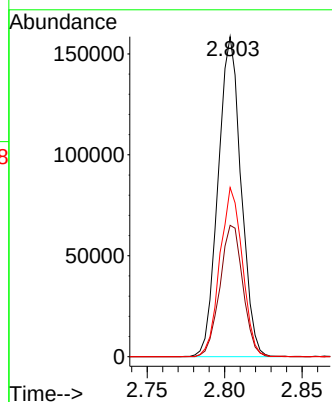
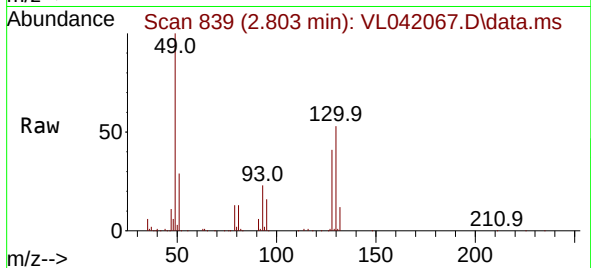




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

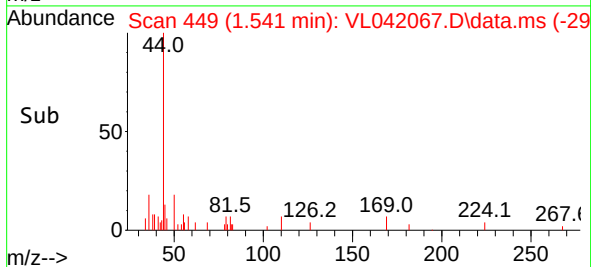
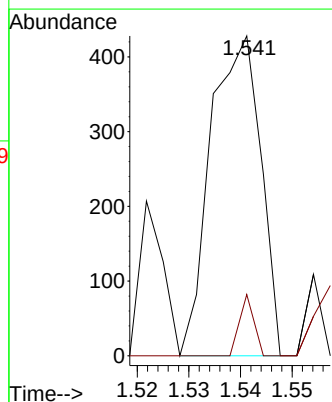
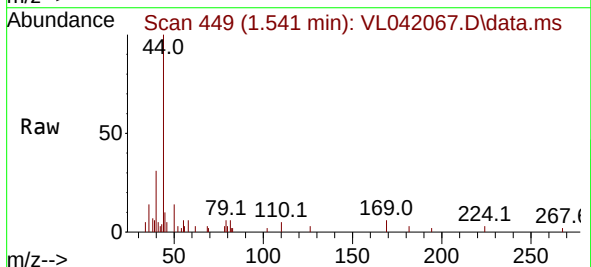
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABL01

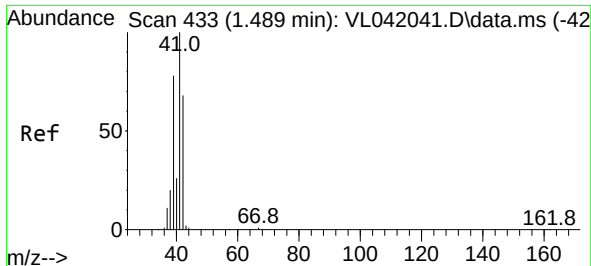
Tgt Ion: 49 Resp: 163221
Ion Ratio Lower Upper
49 100
128 41.1 21.6 64.8
130 51.8 27.8 83.4



#4
Chloromethane
Concen: 0.046 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

Tgt Ion: 50 Resp: 288
Ion Ratio Lower Upper
50 100
52 19.2 25.4 38.0#





#9

Propene

Concen: 0.044 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042067.D

Acq: 27 Feb 2025 10:33

Instrument :

MSVOA_L

ClientSampleId :

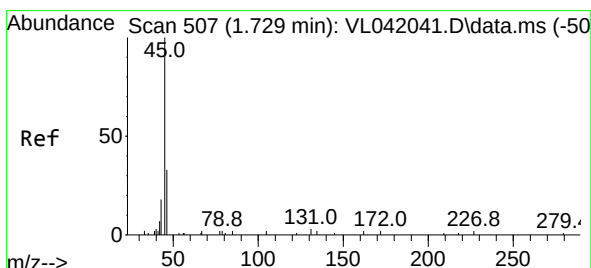
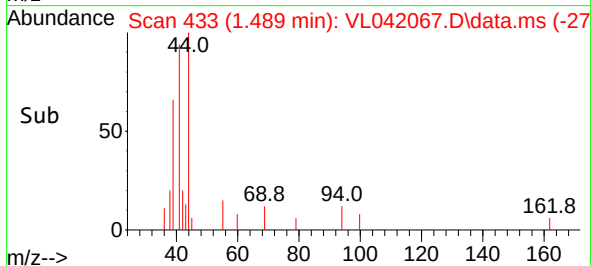
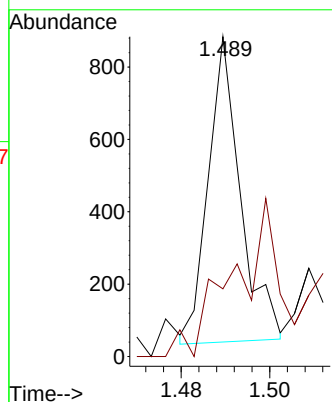
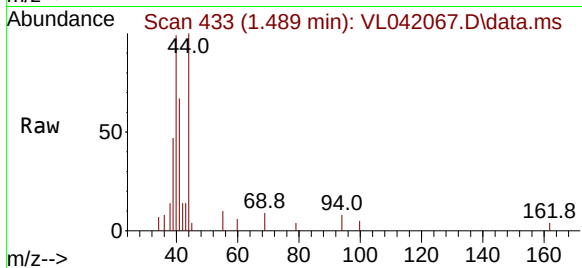
VL0227ABL01

Tgt Ion: 41 Resp: 426

Ion Ratio Lower Upper

41 100

42 105.6 55.8 83.6#



#13

Ethanol

Concen: 3.888 ppbv

RT: 1.732 min Scan# 508

Delta R.T. 0.003 min

Lab File: VL042067.D

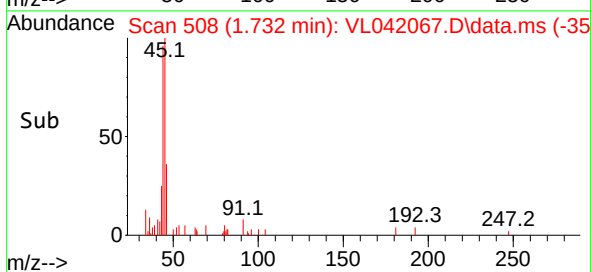
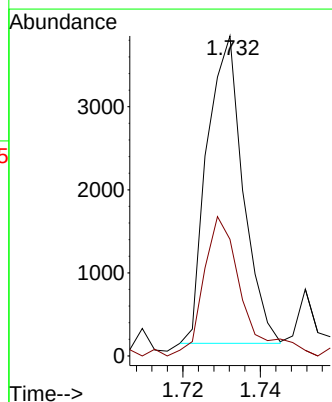
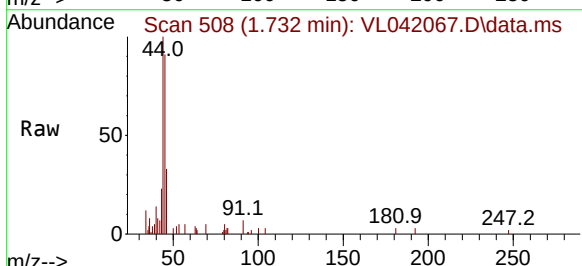
Acq: 27 Feb 2025 10:33

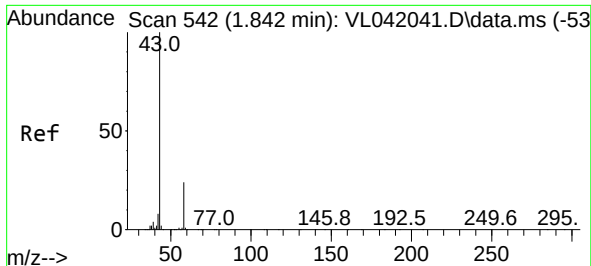
Tgt Ion: 45 Resp: 2385

Ion Ratio Lower Upper

45 100

46 51.5 17.1 68.3

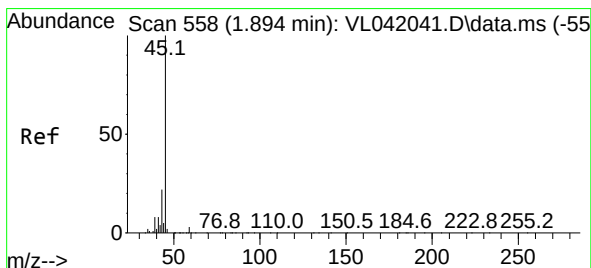
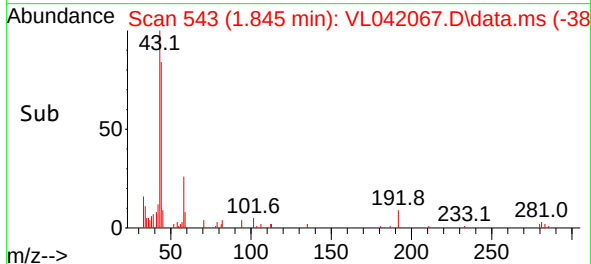
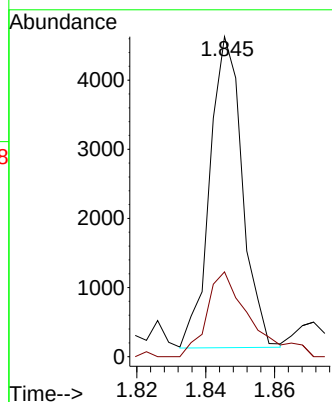
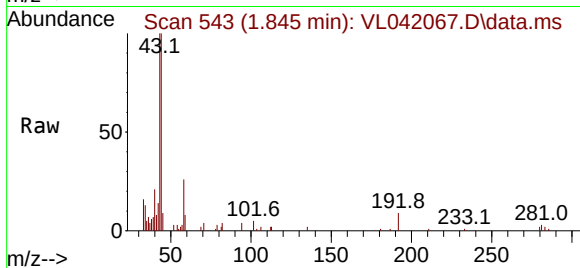




#15
Acetone
Concen: 0.205 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

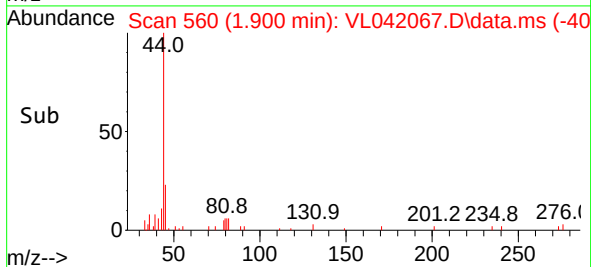
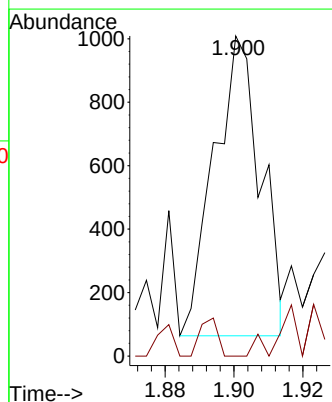
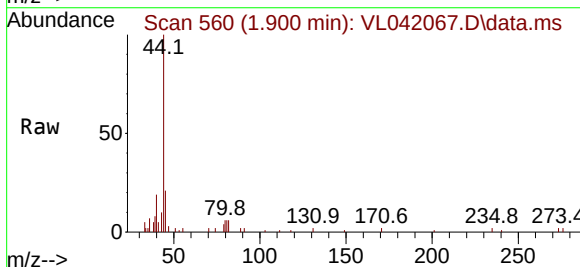
Instrument :
MSVOA_1
ClientSampleId :
VL0227ABL01

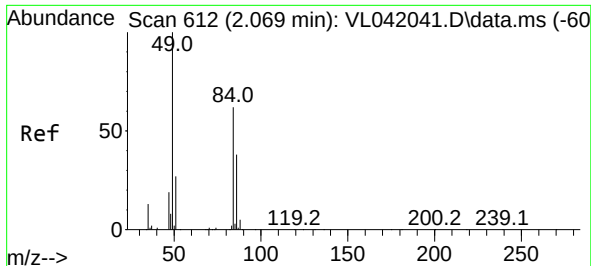
Tgt Ion: 43 Resp: 2950
Ion Ratio Lower Upper
43 100
58 37.3 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 0.107 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.007 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

Tgt Ion: 45 Resp: 885
Ion Ratio Lower Upper
45 100
58 9.9 35.3 52.9#

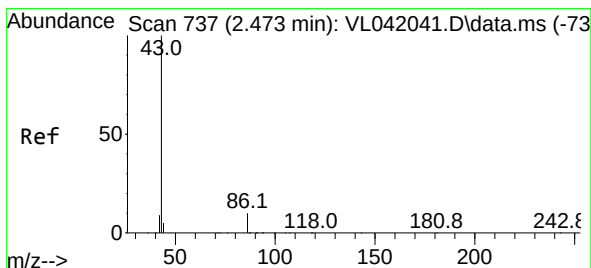
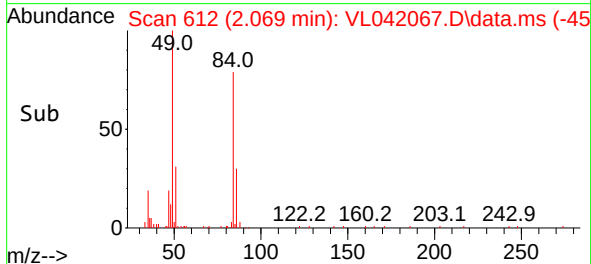
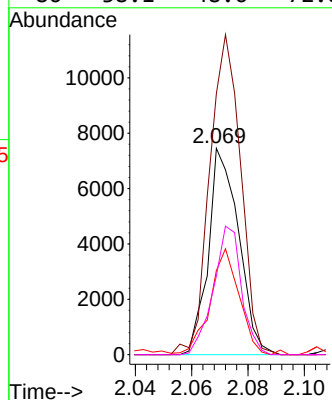
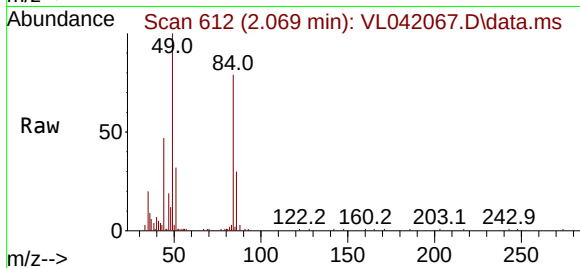




#20
Methylene Chloride
Concen: 1.024 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

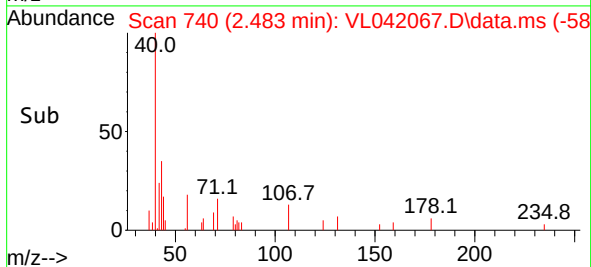
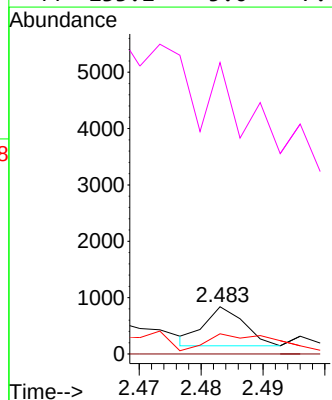
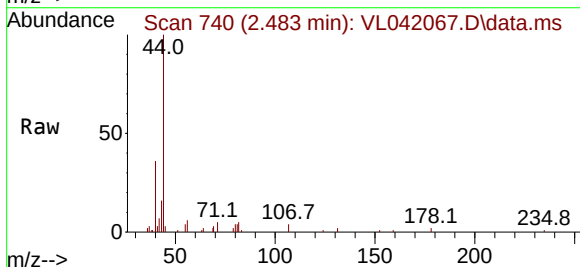
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABL01

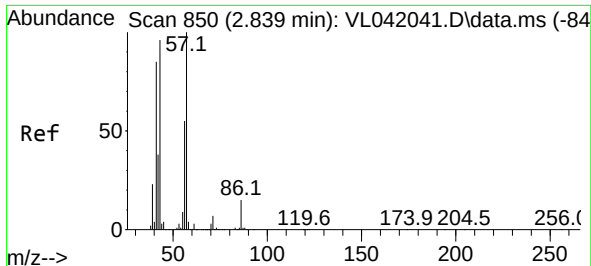
Tgt Ion:	84	Resp:	5584
Ion	Ratio	Lower	Upper
84	100		
49	126.4	130.0	195.0#
51	39.8	37.4	56.0
86	38.1	48.6	72.8#



#23
Vinyl Acetate
Concen: 0.030 ppbv
RT: 2.483 min Scan# 740
Delta R.T. 0.010 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

Tgt Ion:	43	Resp:	309
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.4#
42	43.7	7.6	11.4#
44	233.2	5.0	7.4#

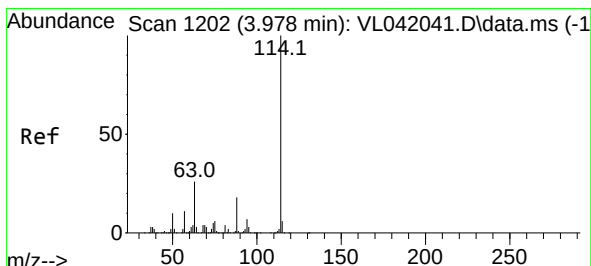
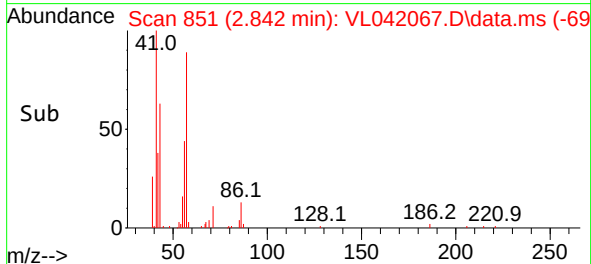
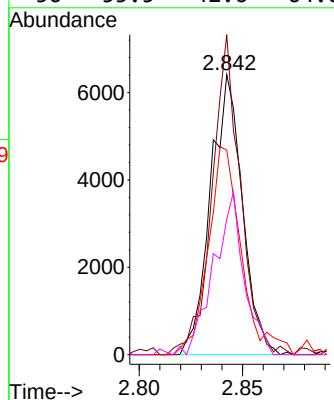
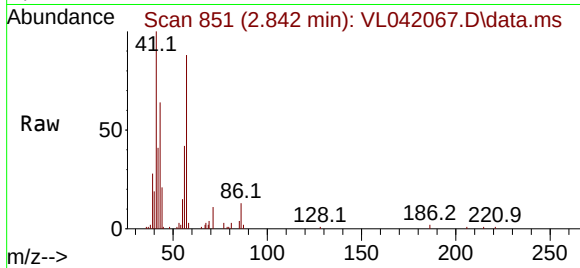




#26
Hexane
Concen: 0.295 ppbv
RT: 2.842 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

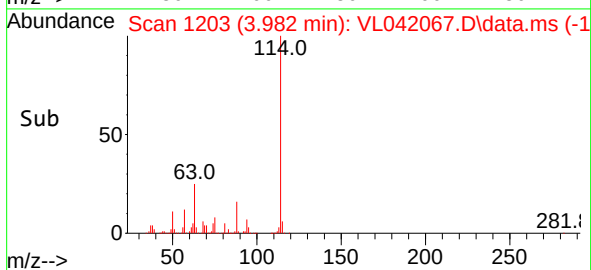
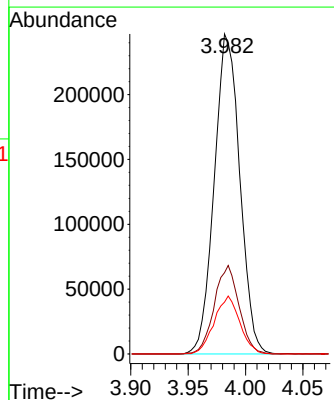
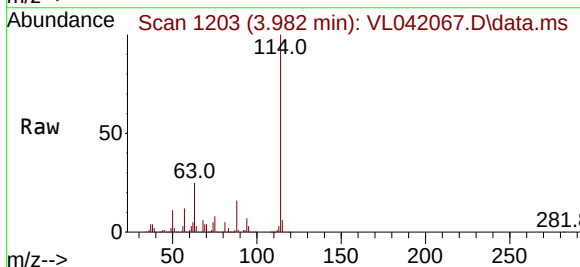
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABL01

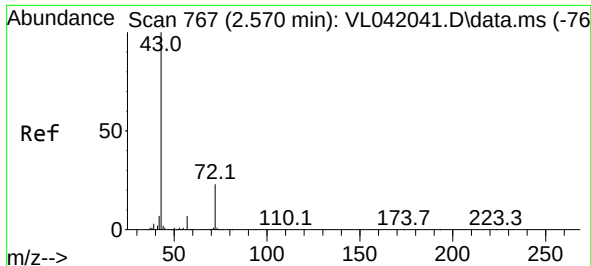
Tgt Ion: 57	Resp: 6891
Ion Ratio	Lower Upper
57	100
41	103.0 70.6 106.0
43	78.5 199.4 299.0#
56	55.5 42.6 64.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.982 min Scan# 1203
Delta R.T. 0.003 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

Tgt Ion: 114	Resp: 381710
Ion Ratio	Lower Upper
114	100
63	26.9 20.1 30.1
88	18.1 14.3 21.5

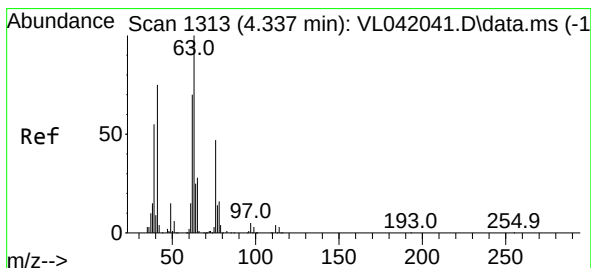
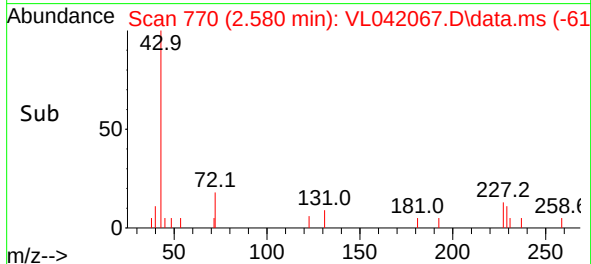
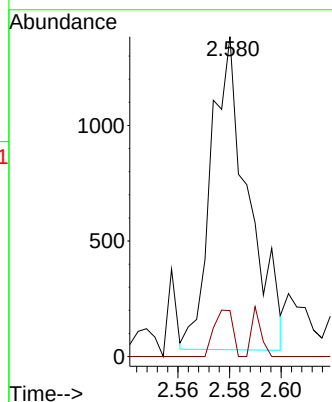
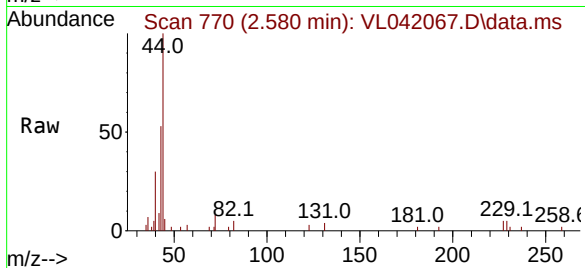




#34
2-Butanone
Concen: 0.045 ppbv
RT: 2.580 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

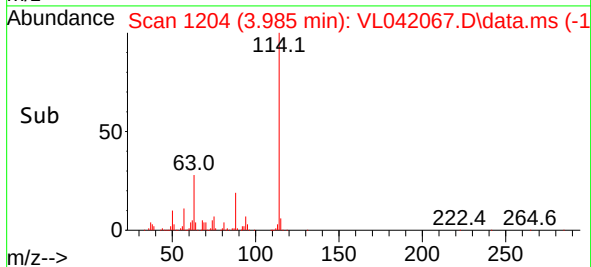
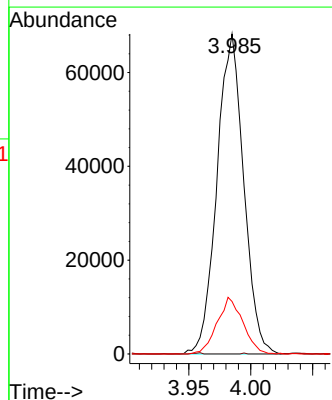
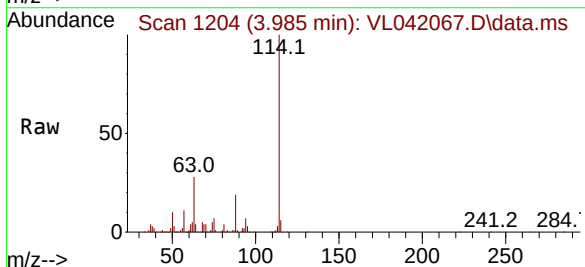
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABL01

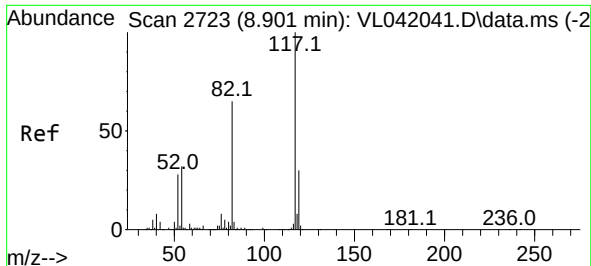
Tgt Ion: 43 Resp: 1348
Ion Ratio Lower Upper
43 100
72 11.6 18.5 27.7#



#39
1,2-Dichloropropane
Concen: 6.762 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. -0.353 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

Tgt Ion: 63 Resp: 102563
Ion Ratio Lower Upper
63 100
41 0.0 60.1 90.1#
62 16.4 55.8 83.8#

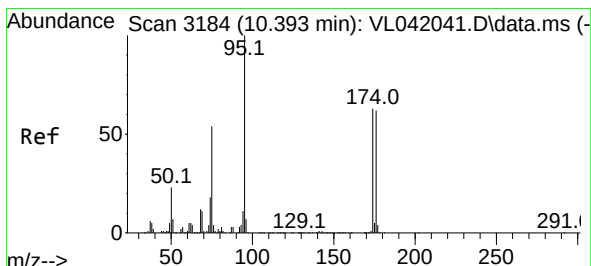
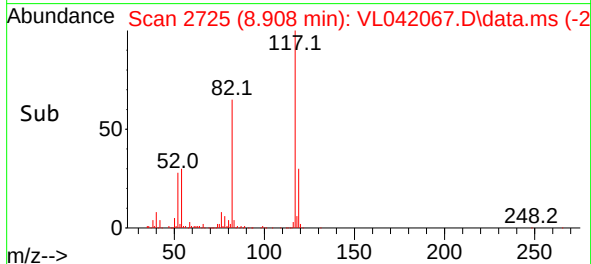
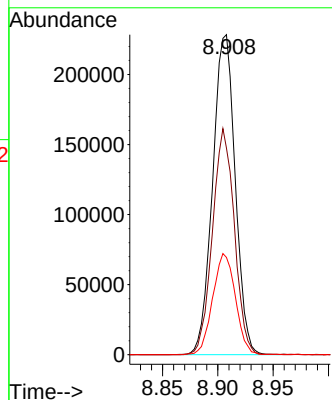
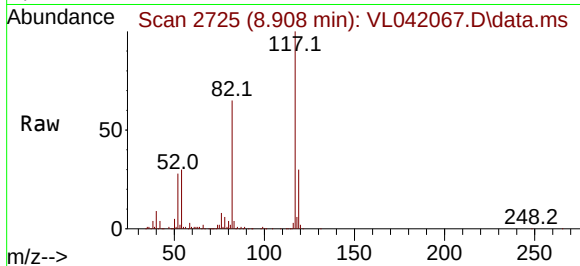




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

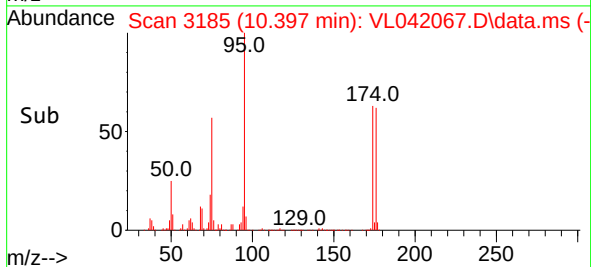
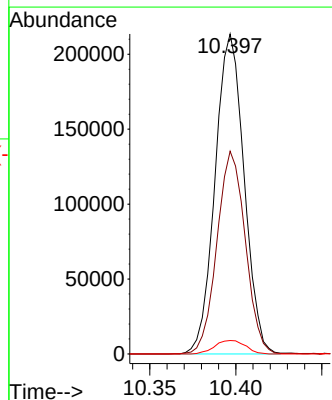
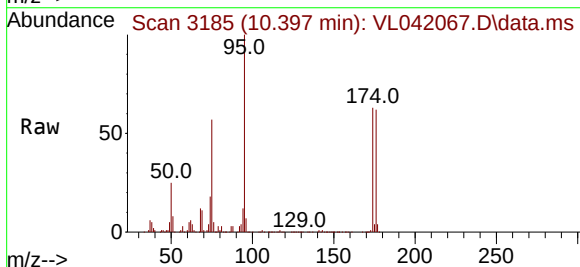
Instrument :
MSVOA_L
ClientSampleId :
VL0227ABL01

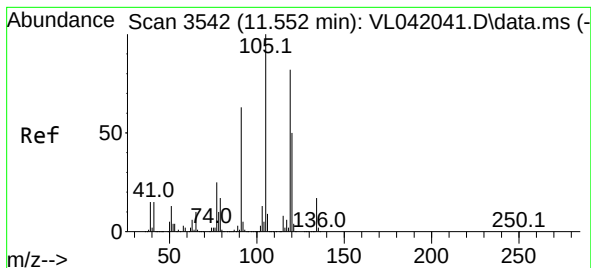
Tgt Ion:117 Resp: 324281
Ion Ratio Lower Upper
117 100
82 68.7 55.0 82.6
119 31.9 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.024 ppbv
RT: 10.397 min Scan# 3185
Delta R.T. 0.003 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

Tgt Ion: 95 Resp: 250082
Ion Ratio Lower Upper
95 100
174 62.3 51.8 77.6
175 4.5 3.9 5.9





#74

1,2,4-Trimethylbenzene

Concen: 0.059 ppbv

RT: 11.555 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042067.D

Acq: 27 Feb 2025 10:33

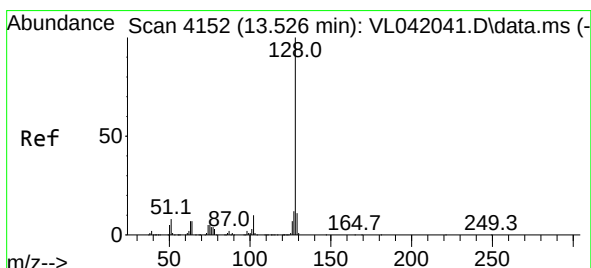
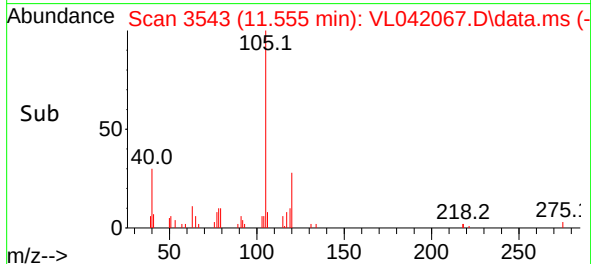
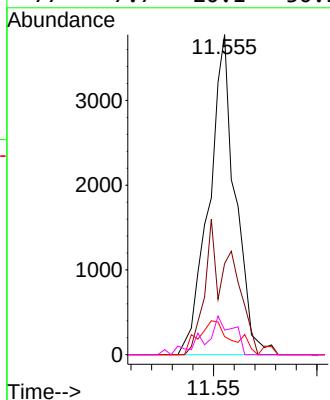
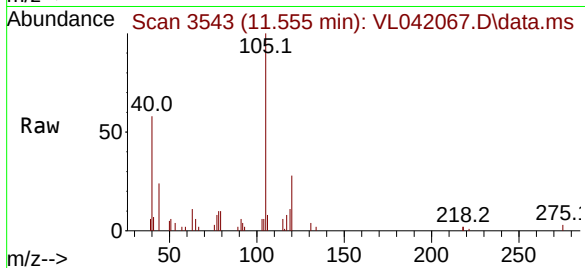
Instrument :

MSVOA_1

ClientSampleId :

VL0227ABL01

Tgt Ion:	105	Resp:	3345
Ion	Ratio	Lower	Upper
105	100		
120	28.5	40.2	60.2#
91	5.7	51.4	77.2#
77	7.7	20.1	30.1#



#79

Naphthalene

Concen: 0.034 ppbv

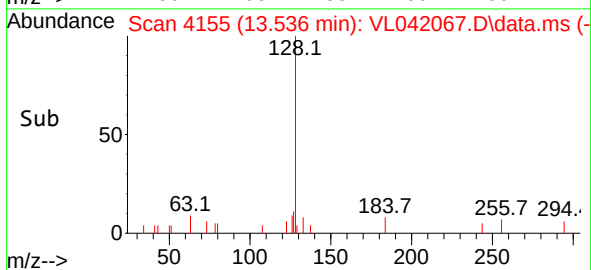
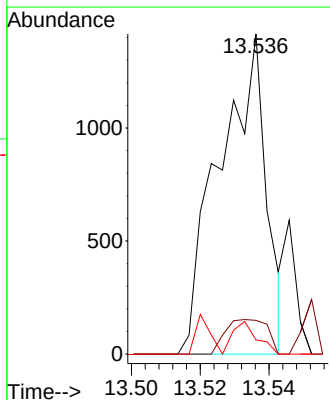
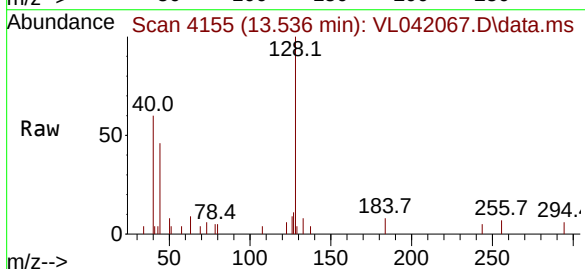
RT: 13.536 min Scan# 4155

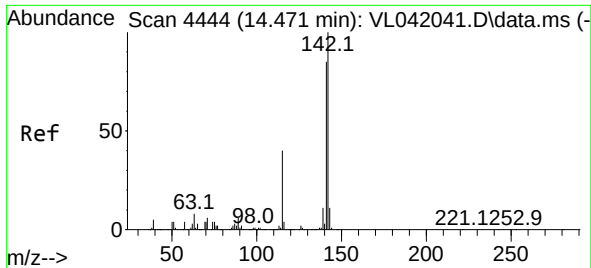
Delta R.T. 0.010 min

Lab File: VL042067.D

Acq: 27 Feb 2025 10:33

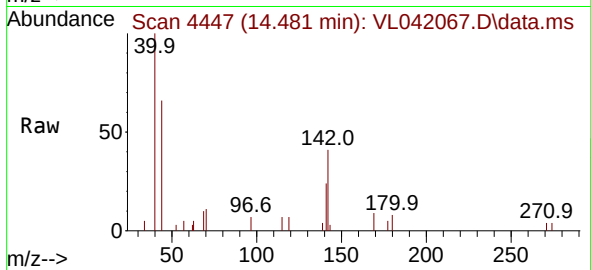
Tgt Ion:	128	Resp:	1337
Ion	Ratio	Lower	Upper
128	100		
127	10.5	9.8	14.6
129	4.4	8.6	12.8#





#80
Naphthalene, 2-methyl-
Concen: 0.067 ppbv
RT: 14.481 min Scan# 44
Delta R.T. 0.010 min
Lab File: VL042067.D
Acq: 27 Feb 2025 10:33

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABL01



Tgt Ion:	142	Resp:	720
Ion	Ratio	Lower	Upper
142	100		
141	94.3	65.8	98.6
115	31.8	29.5	44.3

