

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042062.D
 Acq On : 26 Feb 2025 15:27
 Operator : SY/MD
 Sample : Q1419-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Feb 27 00:31:16 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	2.793	49	153569	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	355801	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	298592	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	235710	10.261	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

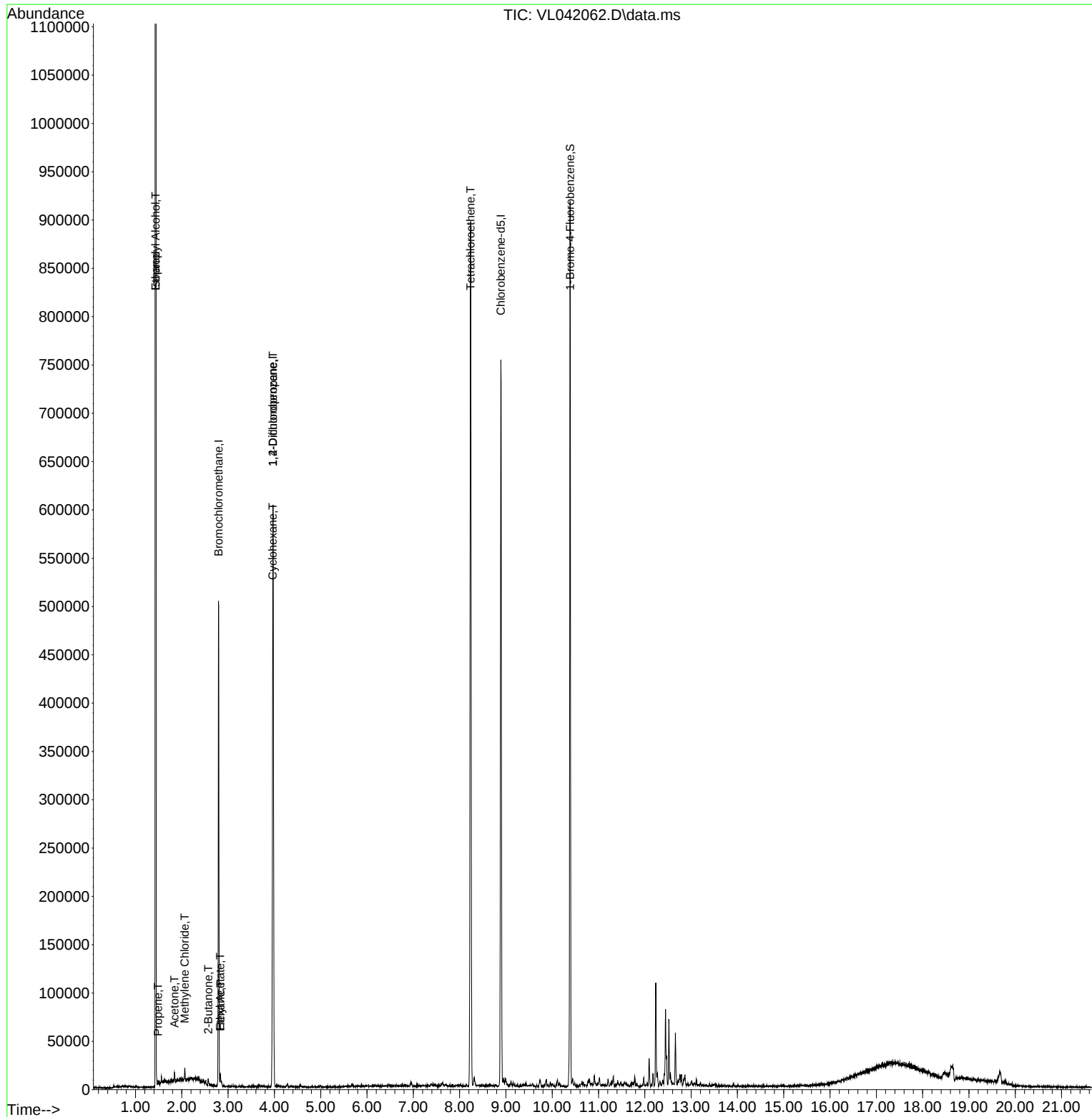
9) Propene	1.489	41	855	0.094	ppbv	87
13) Ethanol	1.434	45	208088	360.508	ppbv	89
15) Acetone	1.842	43	4218	0.311	ppbv #	89
19) Isopropyl Alcohol	1.434	45	208088	26.712	ppbv #	32
20) Methylene Chloride	2.065	84	1740	0.339	ppbv #	76
25) Ethyl Acetate	2.829	43	2040	0.038	ppbv #	77
26) Hexane	2.835	57	2899	0.132	ppbv #	32
30) Cyclohexane	3.962	84	589	0.033	ppbv #	1
34) 2-Butanone	2.570	43	4759	0.172	ppbv	96
39) 1,2-Dichloropropane	3.968	63	96391	6.818	ppbv #	22
52) Tetrachloroethene	8.237	164	154061	12.082	ppbv	93

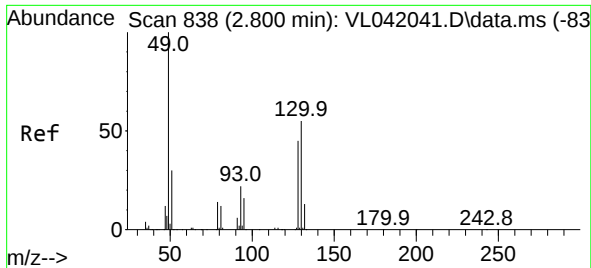
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
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SV1DL

Quant Time: Feb 27 00:31:16 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

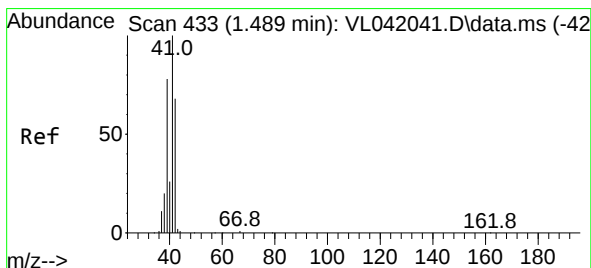
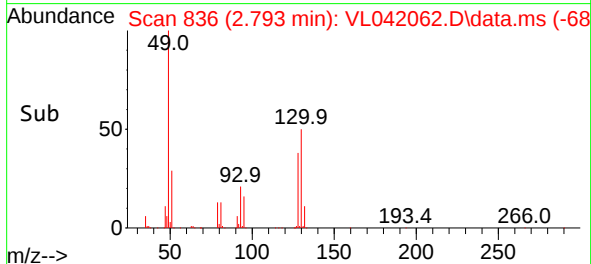
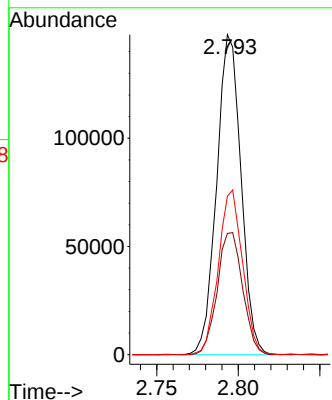
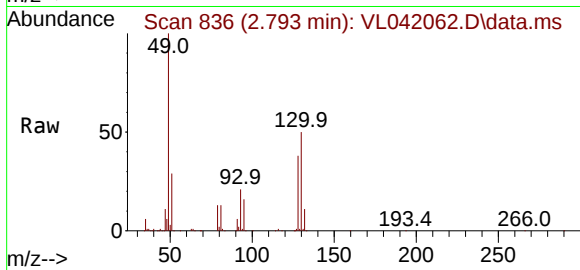




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: VL042062.D
 Acq: 26 Feb 2025 15:27

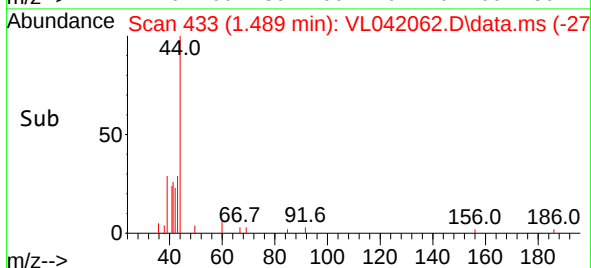
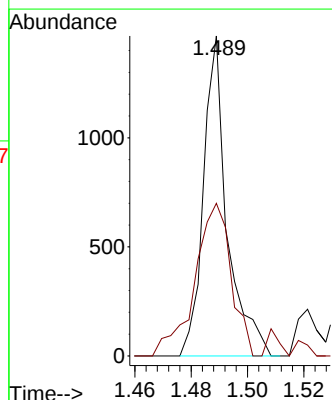
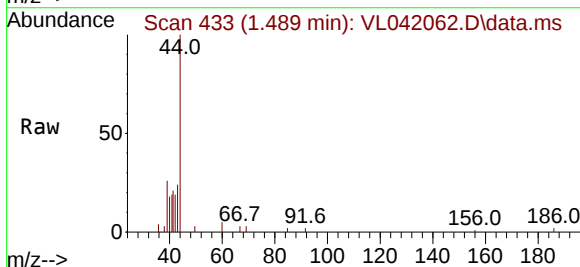
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

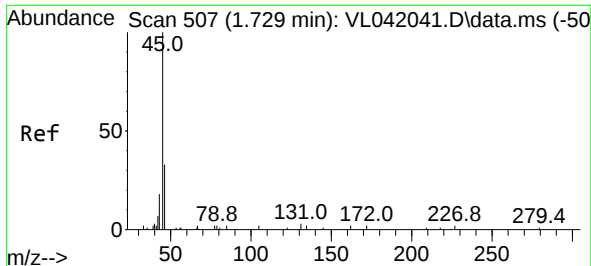
Tgt Ion: 49 Resp: 153569
 Ion Ratio Lower Upper
 49 100
 128 39.7 21.6 64.8
 130 51.2 27.8 83.4



#9
 Propene
 Concen: 0.094 ppbv
 RT: 1.489 min Scan# 433
 Delta R.T. -0.000 min
 Lab File: VL042062.D
 Acq: 26 Feb 2025 15:27

Tgt Ion: 41 Resp: 855
 Ion Ratio Lower Upper
 41 100
 42 80.4 55.8 83.6

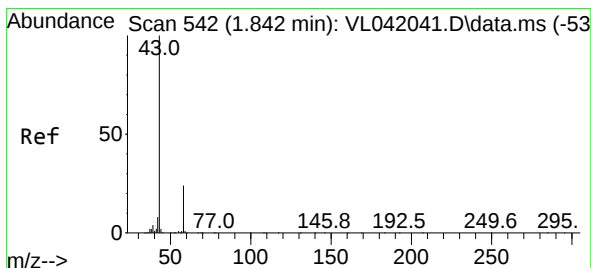
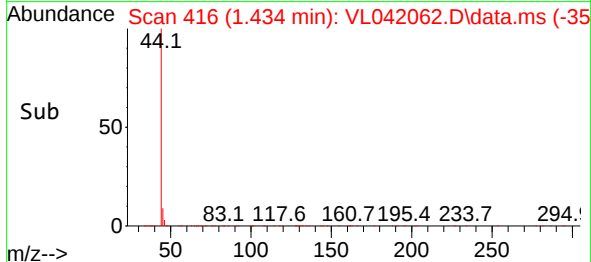
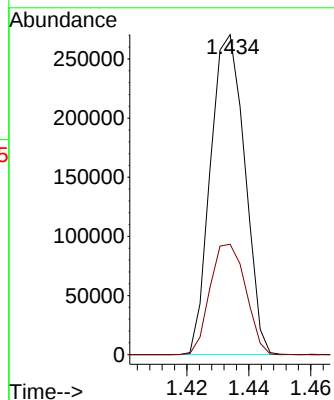
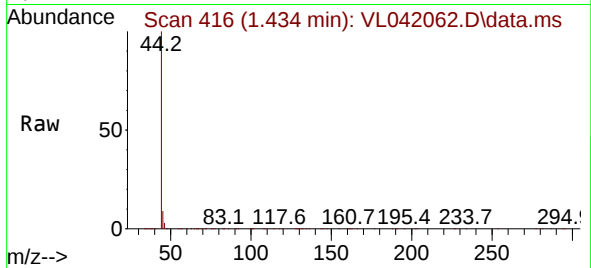




#13
Ethanol
Concen: 360.508 ppbv
RT: 1.434 min Scan# 416
Delta R.T. -0.295 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

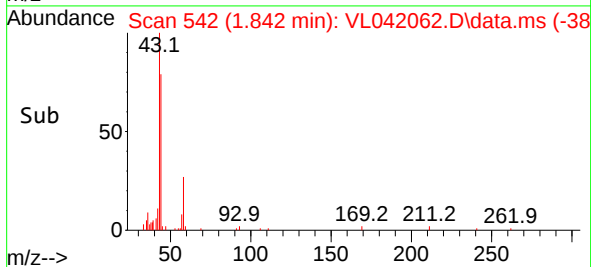
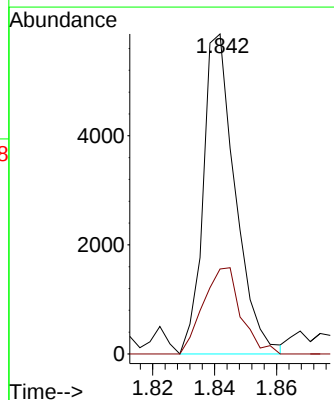
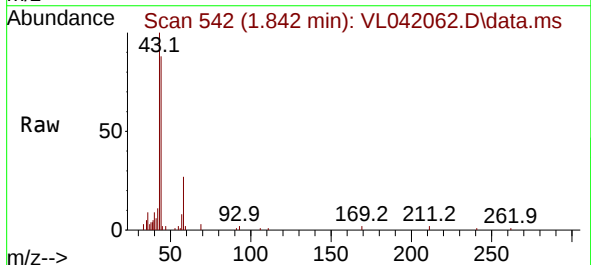
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

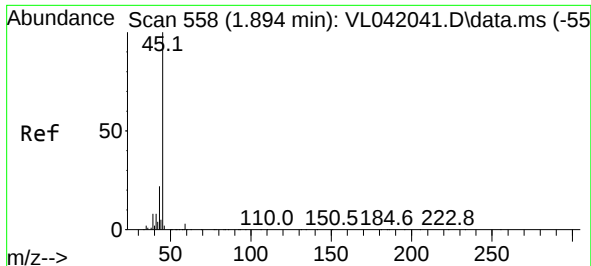
Tgt Ion: 45 Resp: 208088
Ion Ratio Lower Upper
45 100
46 36.0 17.1 68.3



#15
Acetone
Concen: 0.311 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

Tgt Ion: 43 Resp: 4218
Ion Ratio Lower Upper
43 100
58 31.5 20.7 31.1#





#19

Isopropyl Alcohol

Concen: 26.712 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.460 min

Lab File: VL042062.D

Acq: 26 Feb 2025 15:27

Instrument :

MSVOA_L

ClientSampleId :

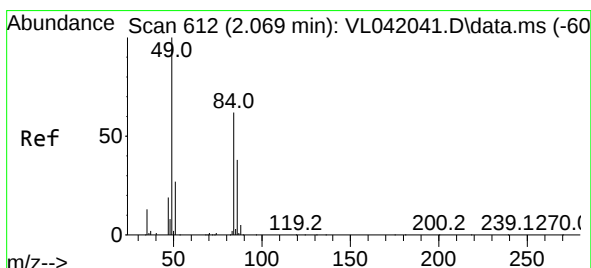
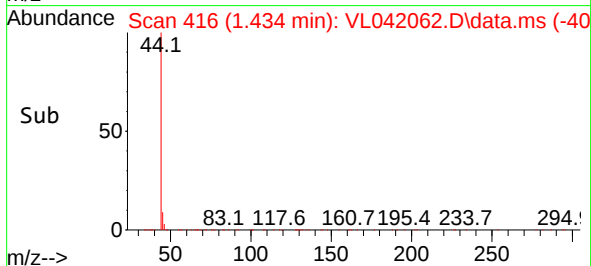
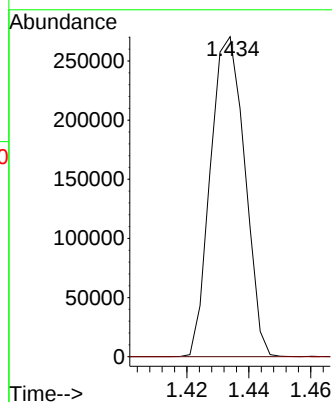
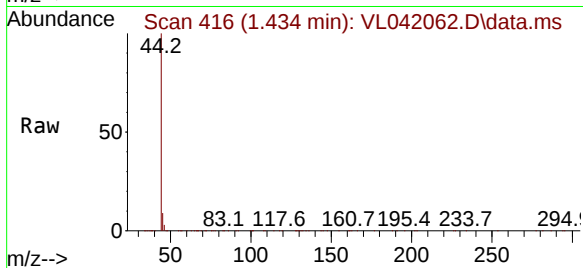
SV1DL

Tgt Ion: 45 Resp: 208088

Ion Ratio Lower Upper

45 100

58 0.0 35.3 52.9#



#20

Methylene Chloride

Concen: 0.339 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.003 min

Lab File: VL042062.D

Acq: 26 Feb 2025 15:27

Tgt Ion: 84 Resp: 1740

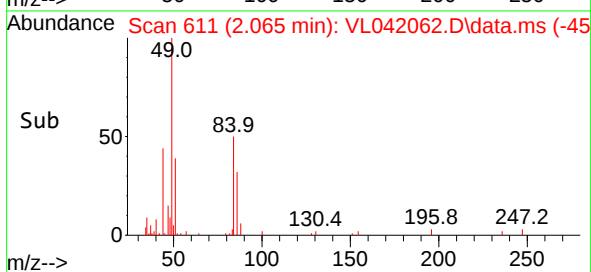
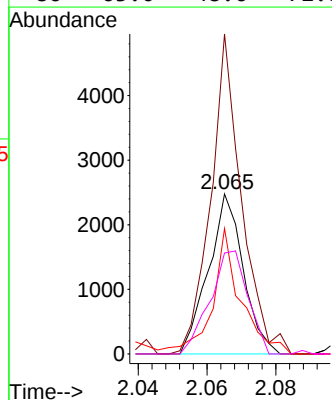
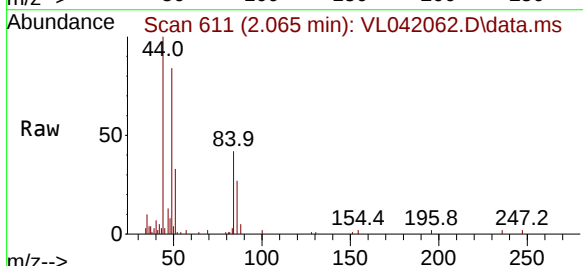
Ion Ratio Lower Upper

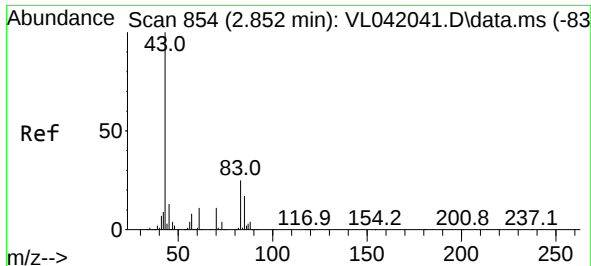
84 100

49 197.9 130.0 195.0#

51 73.6 37.4 56.0#

86 63.0 48.6 72.8

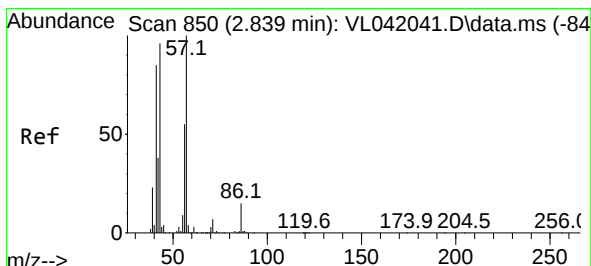
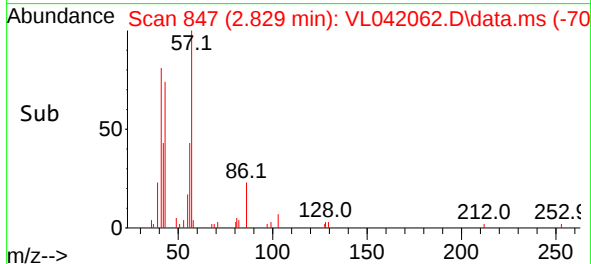
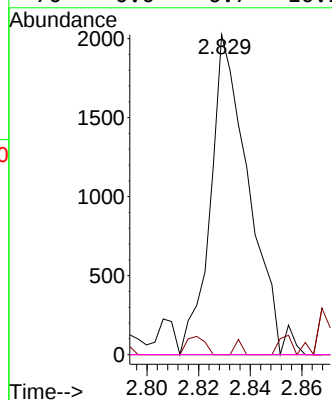
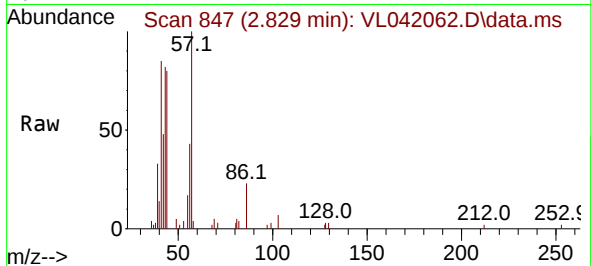




#25
Ethyl Acetate
Concen: 0.038 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.023 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

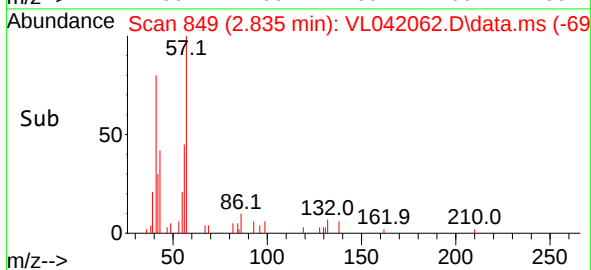
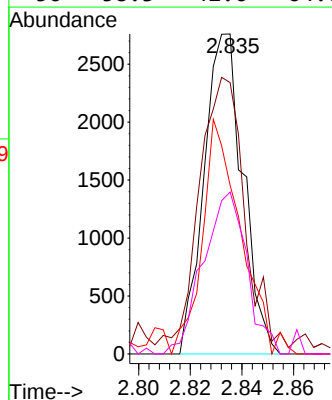
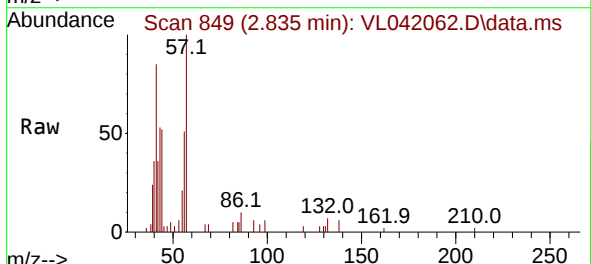
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

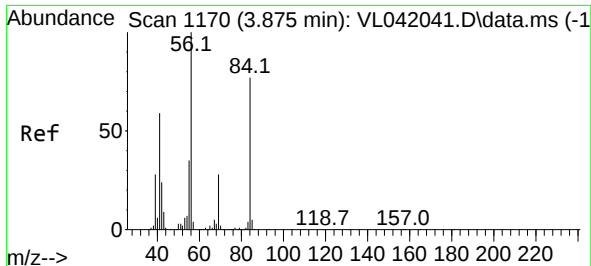
Tgt Ion: 43	Resp: 2040
Ion Ratio	Lower Upper
43 100	
45 2.8	8.1 12.1#
61 0.0	7.2 10.8#
70 0.0	6.7 10.1#



#26
Hexane
Concen: 0.132 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

Tgt Ion: 57	Resp: 2899
Ion Ratio	Lower Upper
57 100	
41 108.7	70.6 106.0#
43 78.8	199.4 299.0#
56 58.3	42.6 64.0

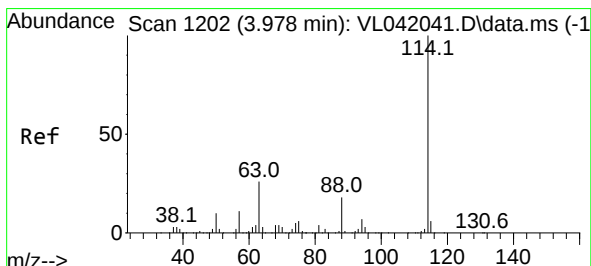
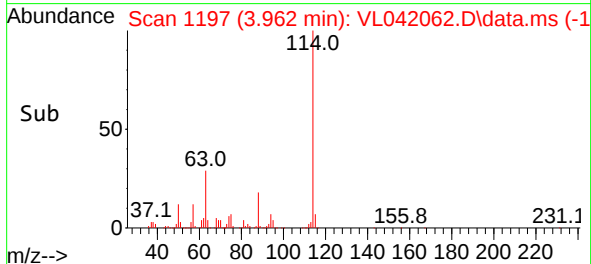
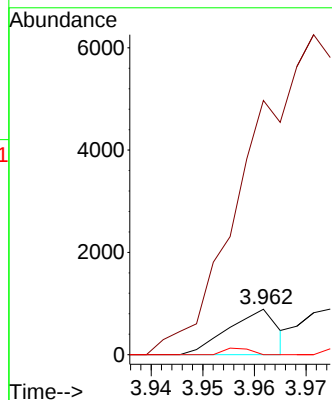
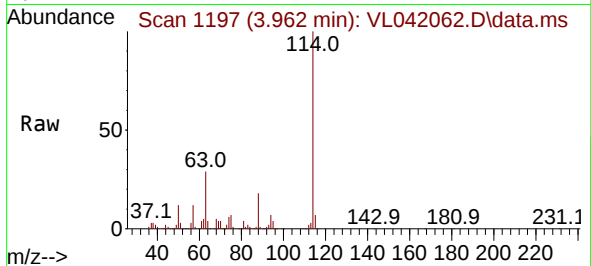




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 3.962 min Scan# 1170
Delta R.T. 0.087 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

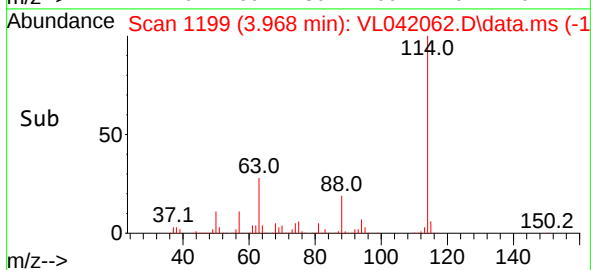
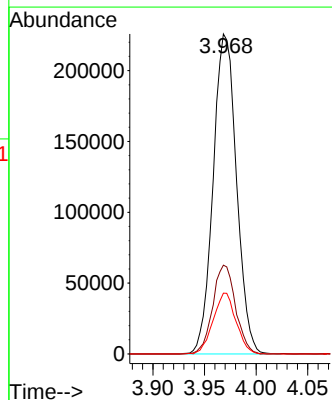
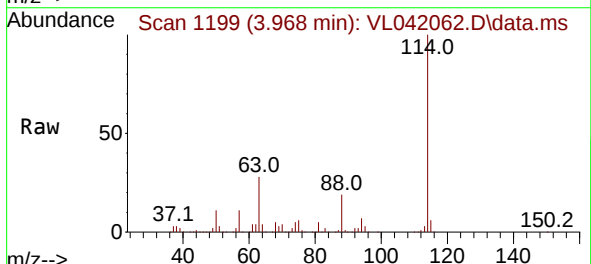
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

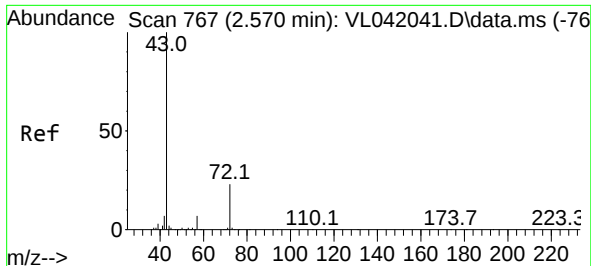
Tgt Ion: 84 Resp: 589
Ion Ratio Lower Upper
84 100
56 0.0 101.5 152.3#
41 7.8 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.010 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

Tgt Ion: 114 Resp: 355801
Ion Ratio Lower Upper
114 100
63 27.1 20.1 30.1
88 18.6 14.3 21.5

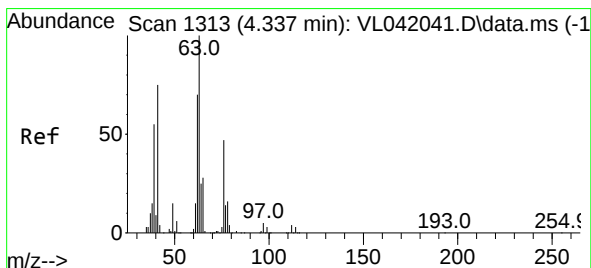
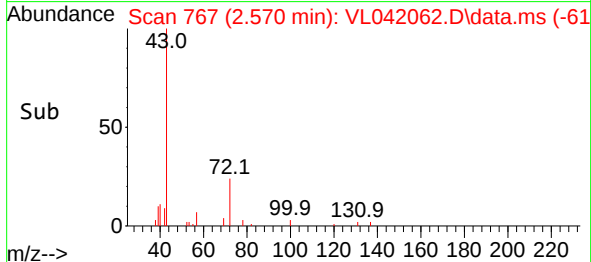
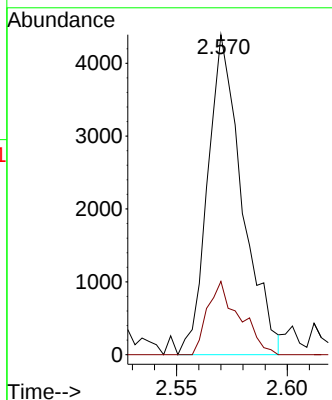
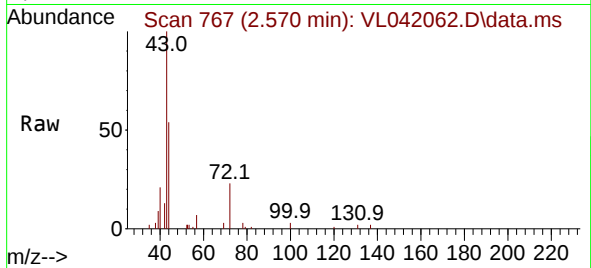




#34
2-Butanone
Concen: 0.172 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

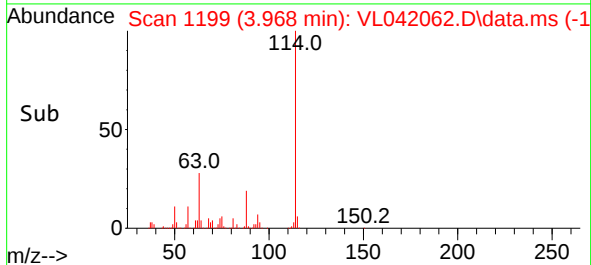
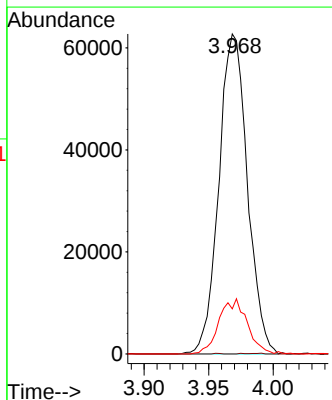
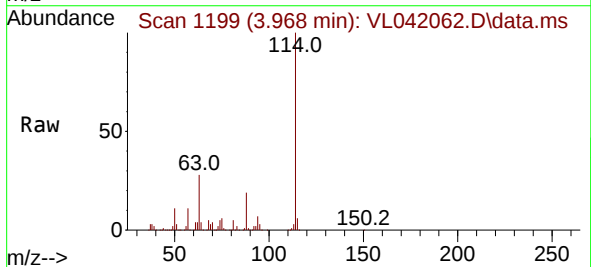
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MSVOA_L
ClientSampleId :
SV1DL

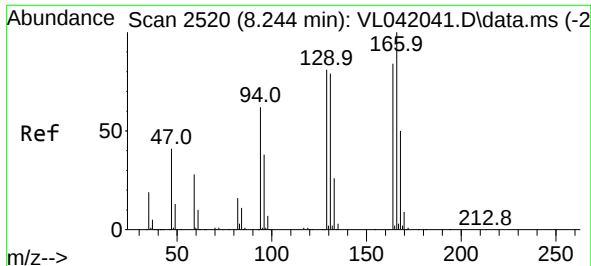
Tgt Ion: 43 Resp: 4759
Ion Ratio Lower Upper
43 100
72 21.3 18.5 27.7



#39
1,2-Dichloropropane
Concen: 6.818 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.369 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

Tgt Ion: 63 Resp: 96391
Ion Ratio Lower Upper
63 100
41 0.0 60.1 90.1#
62 14.1 55.8 83.8#

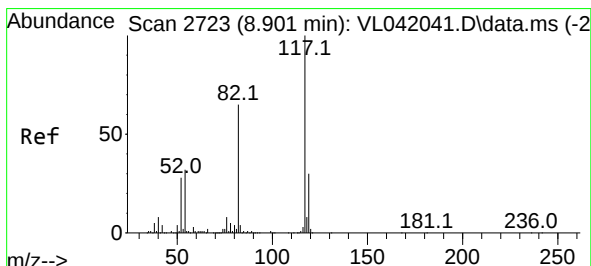
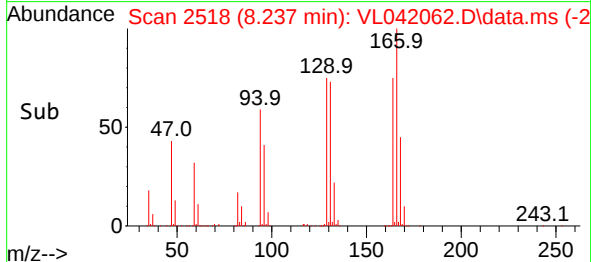
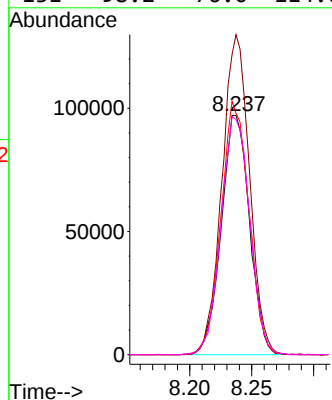
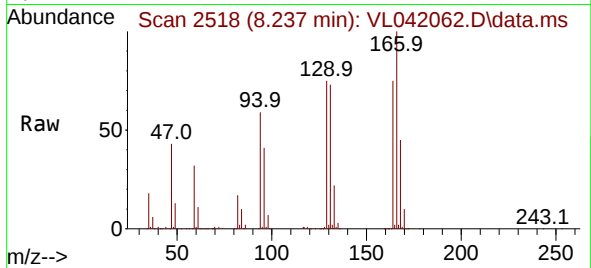




#52
Tetrachloroethene
Concen: 12.082 ppbv
RT: 8.237 min Scan# 218
Delta R.T. -0.007 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

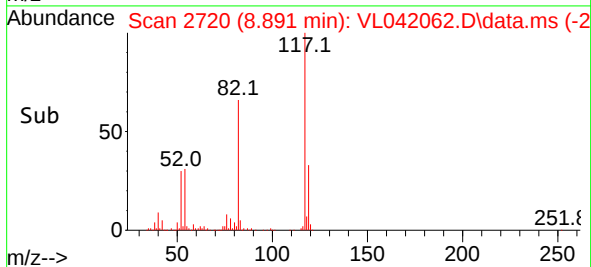
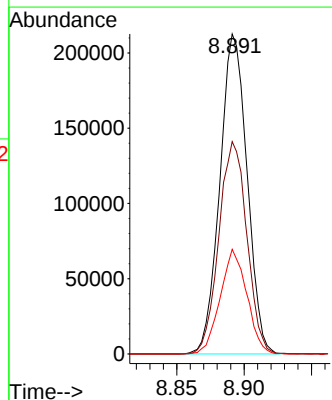
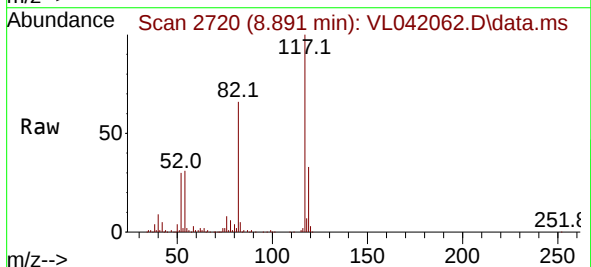
Instrument :
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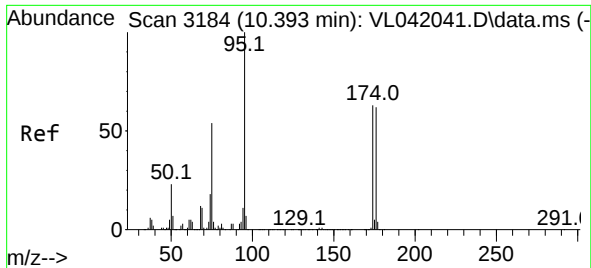
Tgt Ion:164 Resp: 154061
Ion Ratio Lower Upper
164 100
166 133.7 95.7 143.5
129 100.7 77.1 115.7
131 98.2 76.0 114.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. -0.010 min
Lab File: VL042062.D
Acq: 26 Feb 2025 15:27

Tgt Ion:117 Resp: 298592
Ion Ratio Lower Upper
117 100
82 68.3 55.0 82.6
119 32.1 25.9 38.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.261 ppbv

RT: 10.386 min Scan# 31

Delta R.T. -0.007 min

Lab File: VL042062.D

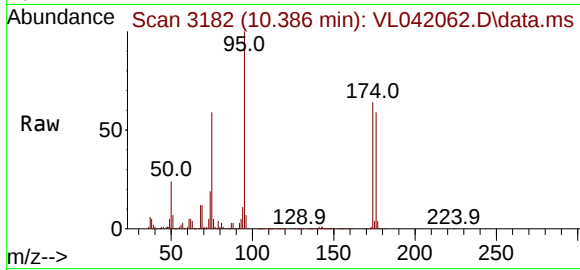
Acq: 26 Feb 2025 15:27

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion: 95 Resp: 235710

Ion Ratio Lower Upper

95 100

174 60.7 51.8 77.6

175 4.4 3.9 5.9

