

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022625\
 Data File : VL042061.D
 Acq On : 26 Feb 2025 14:55
 Operator : SY/MD
 Sample : Q1419-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Feb 27 00:30:51 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)

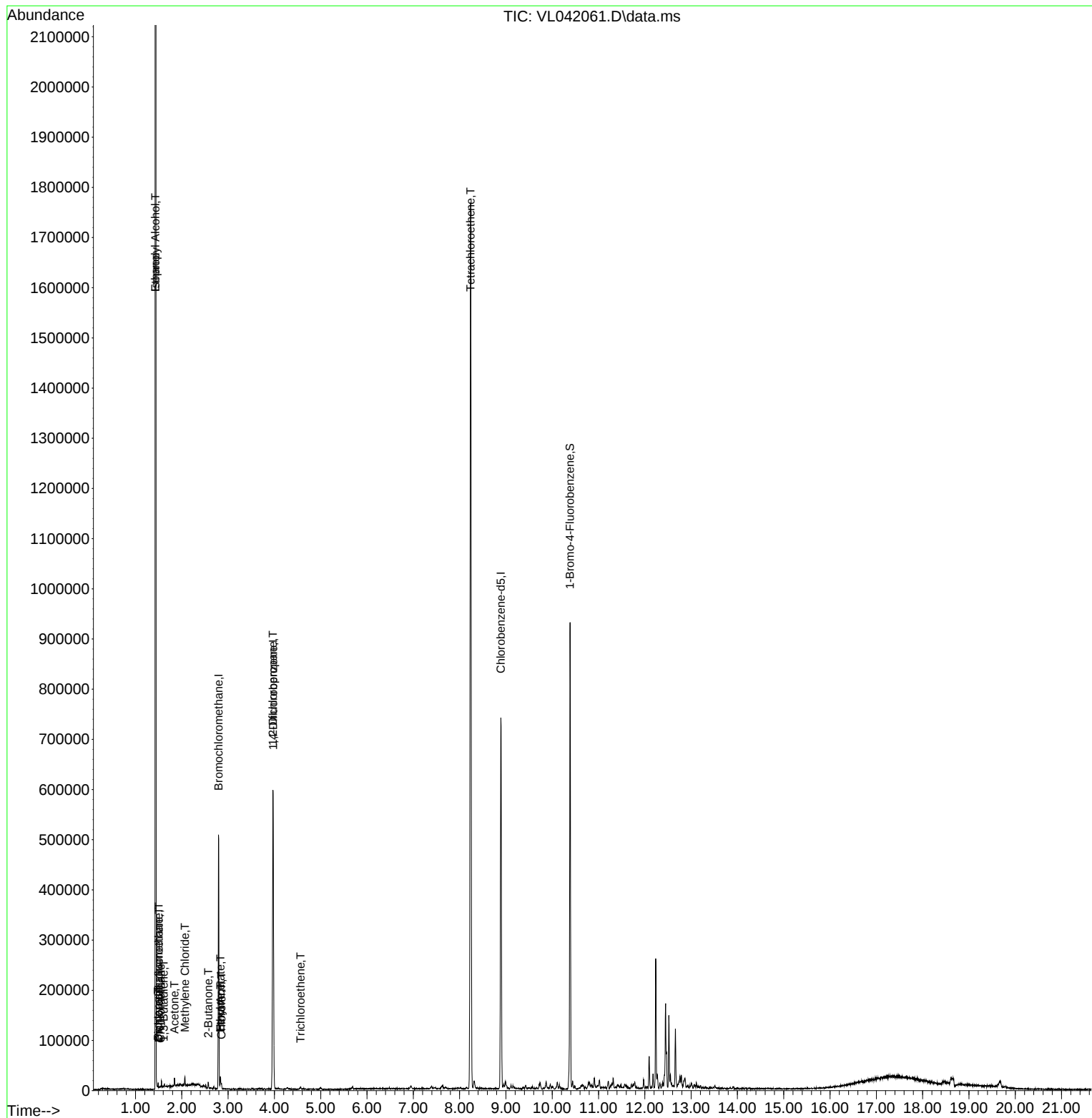
Internal Standards						
1) Bromochloromethane	2.794	49	153450	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	349155	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	300193	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	234153	10.139	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	699	0.044	ppbv	97
4) Chloromethane	1.541	50	291	0.049	ppbv	97
8) Dichlorotetrafluoroethane	1.502	85	699	0.053	ppbv #	16
9) Propene	1.486	41	1214	0.134	ppbv	86
13) Ethanol	1.431	45	227934	395.197	ppbv	89
15) Acetone	1.842	43	6429	0.474	ppbv #	86
16) 1,3-Butadiene	1.609	39	312	0.049	ppbv #	12
19) Isopropyl Alcohol	1.431	45	227934	29.282	ppbv #	32
20) Methylene Chloride	2.069	84	2447	0.477	ppbv #	86
25) Ethyl Acetate	2.836	43	4159	0.077	ppbv #	82
26) Hexane	2.836	57	5985	0.273	ppbv #	32
29) Chloroform	2.855	83	3887	0.132	ppbv #	80
34) 2-Butanone	2.570	43	7901	0.290	ppbv	100
38) Trichloroethene	4.564	130	468	0.031	ppbv #	57
39) 1,2-Dichloropropane	3.968	63	96257	6.938	ppbv #	24
52) Tetrachloroethene	8.238	164	313696	25.070	ppbv	94

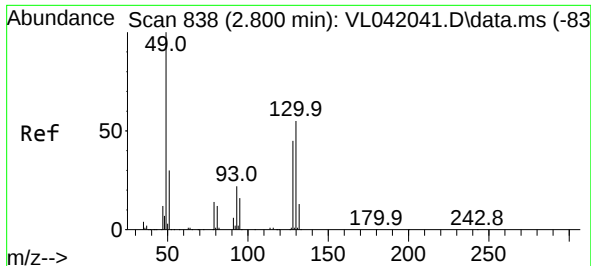
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

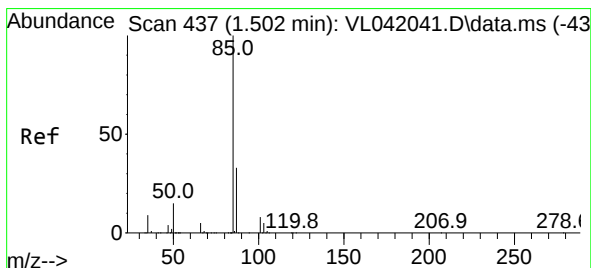
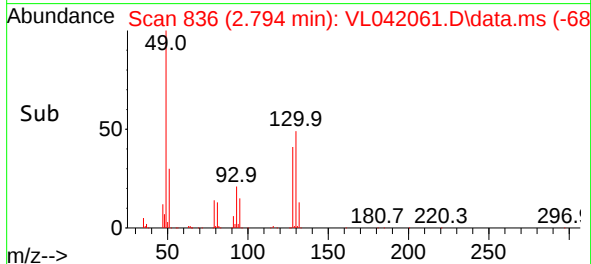
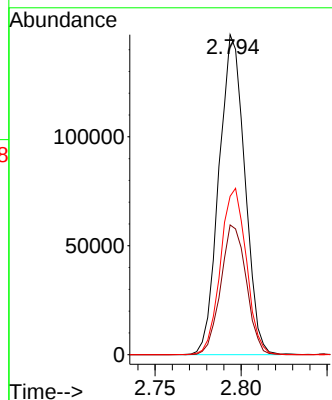
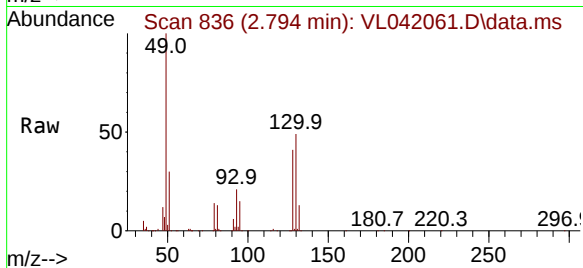




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

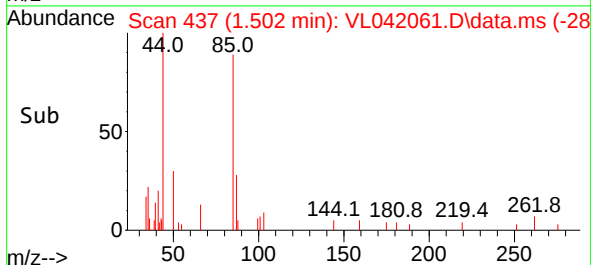
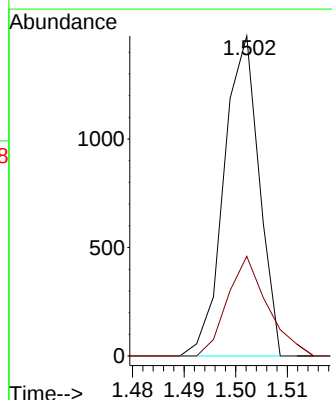
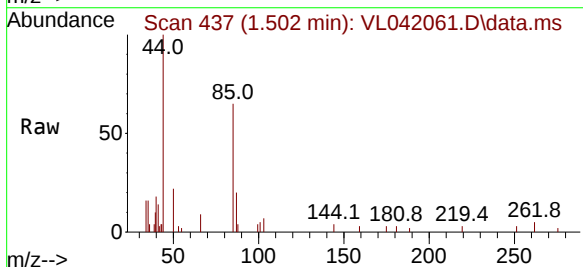
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

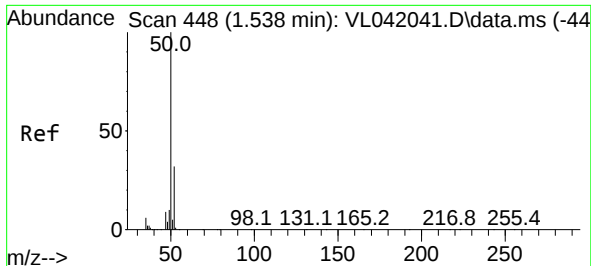
Tgt Ion: 49 Resp: 153450
Ion Ratio Lower Upper
49 100
128 40.1 21.6 64.8
130 52.0 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Tgt Ion: 85 Resp: 699
Ion Ratio Lower Upper
85 100
87 31.2 26.4 39.6

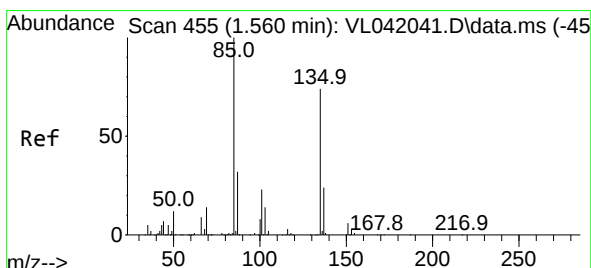
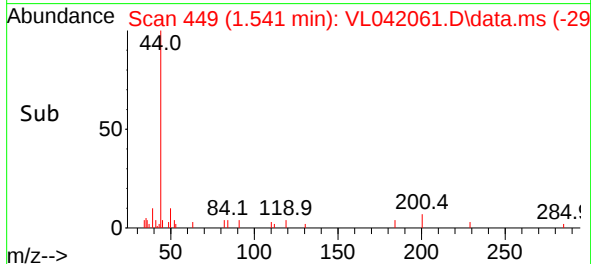
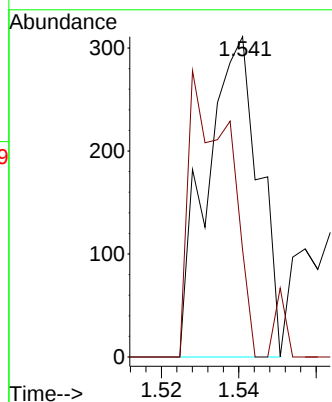
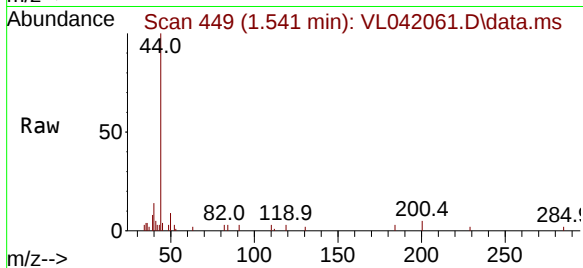




#4
Chloromethane
Concen: 0.049 ppbv
RT: 1.541 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

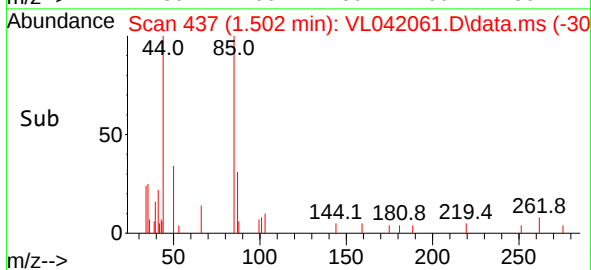
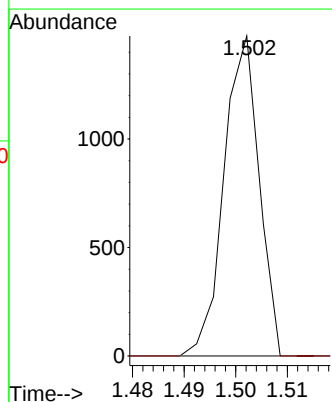
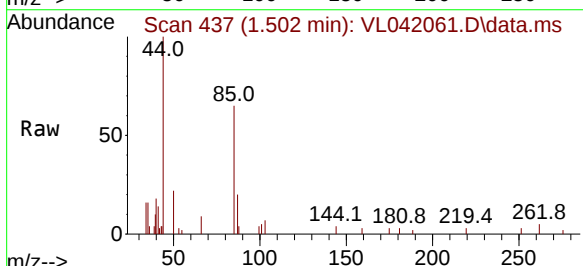
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

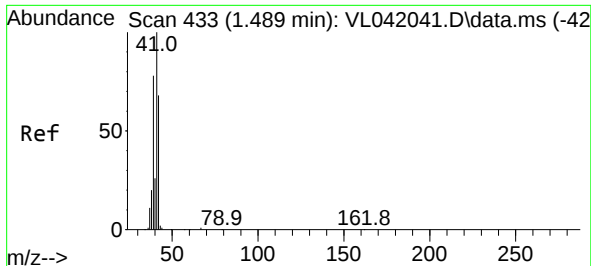
Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 33.4 25.4 38.0



#8
Dichlorotetrafluoroethane
Concen: 0.053 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.058 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Tgt Ion: 85 Resp: 699
Ion Ratio Lower Upper
85 100
135 0.0 54.6 81.8#





#9

Propene

Concen: 0.134 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042061.D

Acq: 26 Feb 2025 14:55

Instrument :

MSVOA_L

ClientSampleId :

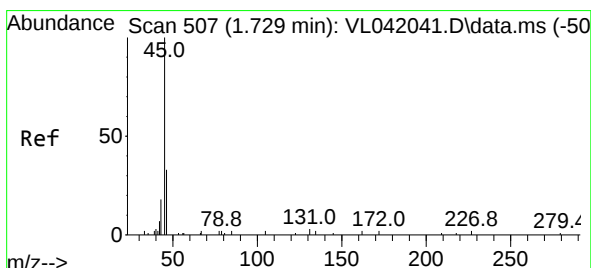
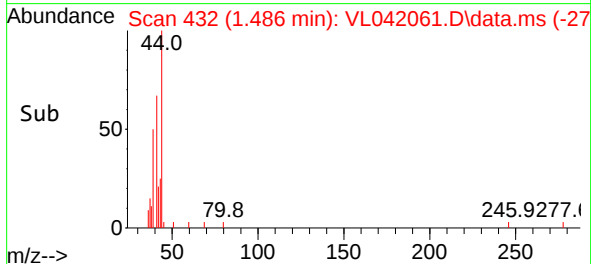
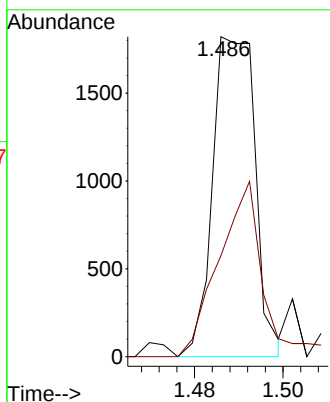
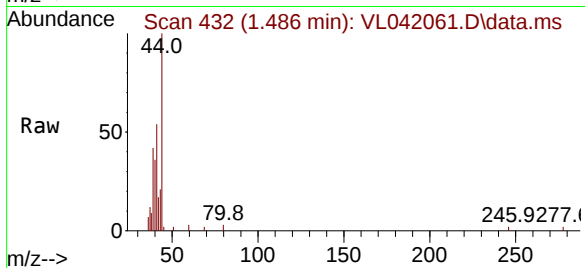
SV1DL

Tgt Ion: 41 Resp: 1214

Ion Ratio Lower Upper

41 100

42 58.2 55.8 83.6



#13

Ethanol

Concen: 395.197 ppbv

RT: 1.431 min Scan# 415

Delta R.T. -0.298 min

Lab File: VL042061.D

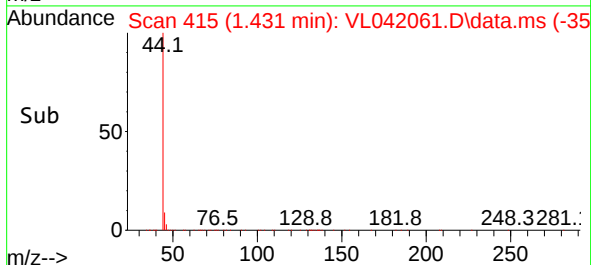
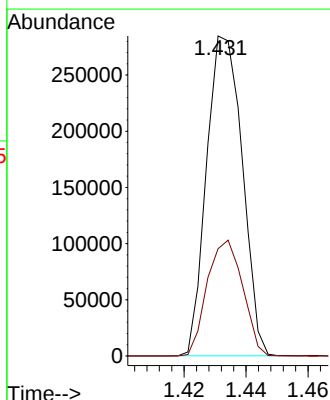
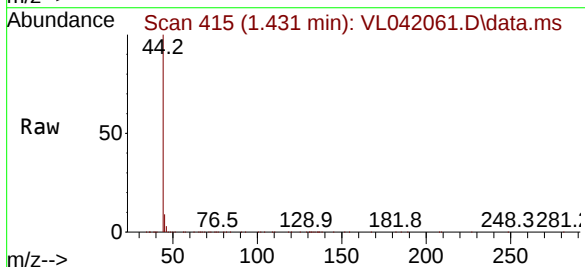
Acq: 26 Feb 2025 14:55

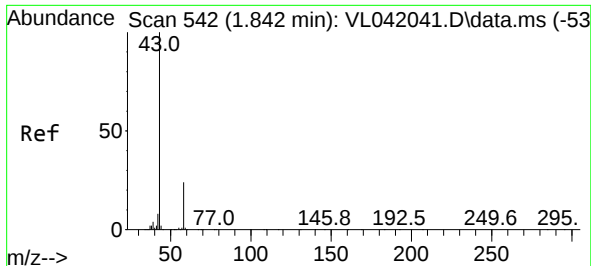
Tgt Ion: 45 Resp: 227934

Ion Ratio Lower Upper

45 100

46 36.0 17.1 68.3

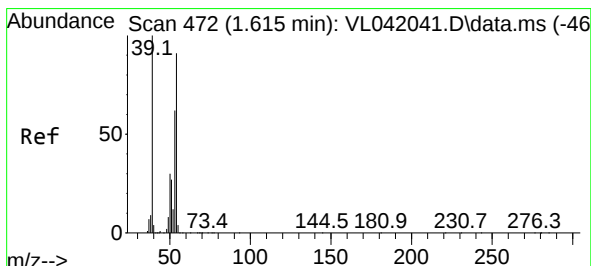
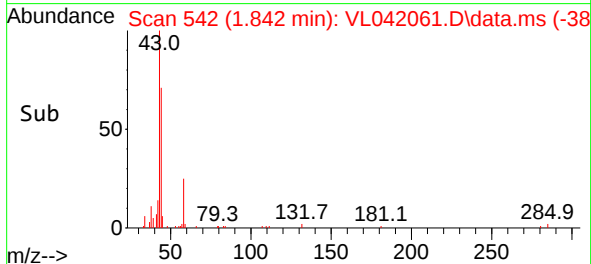
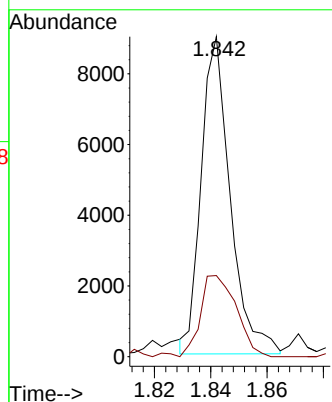
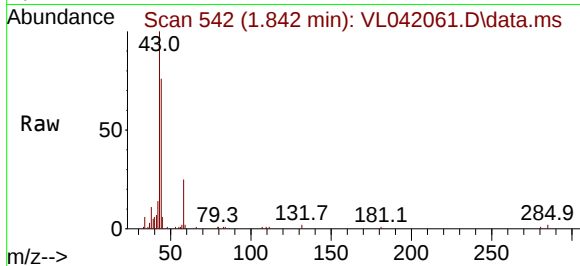




#15
Acetone
Concen: 0.474 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

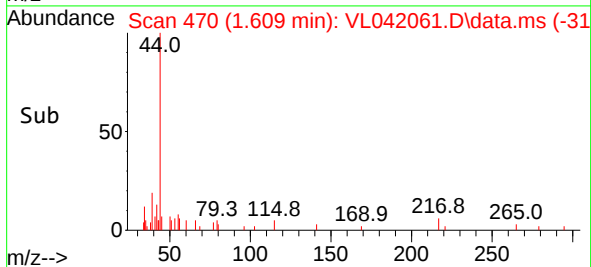
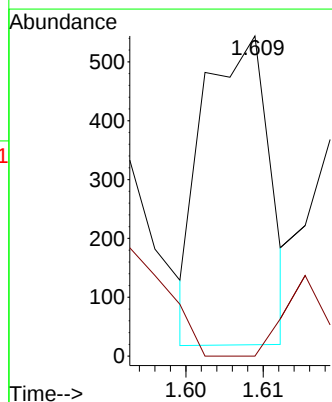
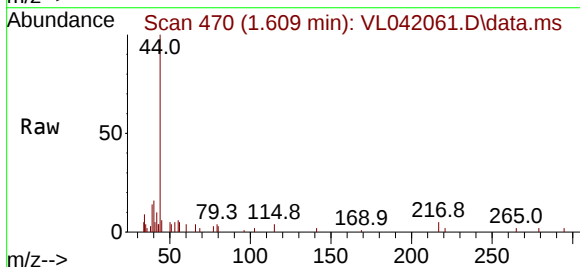
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

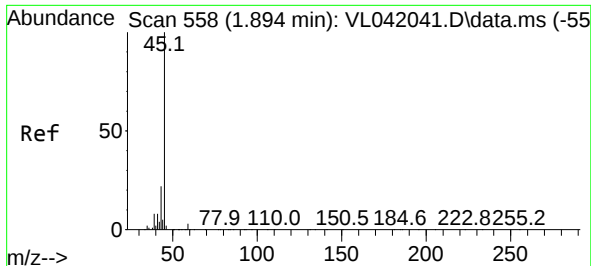
Tgt Ion: 43 Resp: 6429
Ion Ratio Lower Upper
43 100
58 32.9 20.7 31.1#



#16
1,3-Butadiene
Concen: 0.049 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.006 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Tgt Ion: 39 Resp: 312
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#

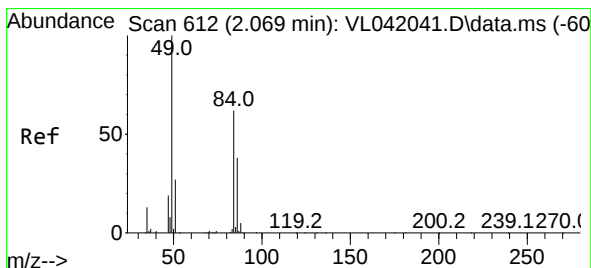
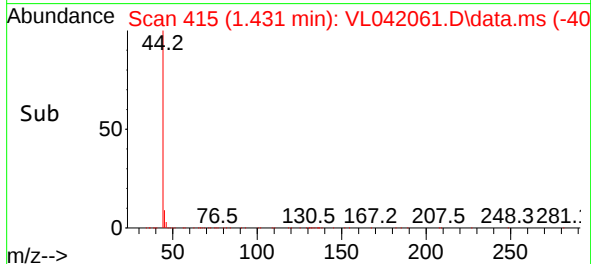
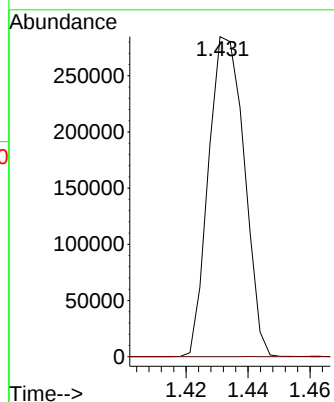
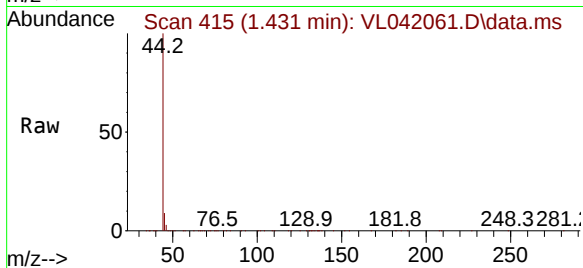




#19
Isopropyl Alcohol
Concen: 29.282 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.463 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

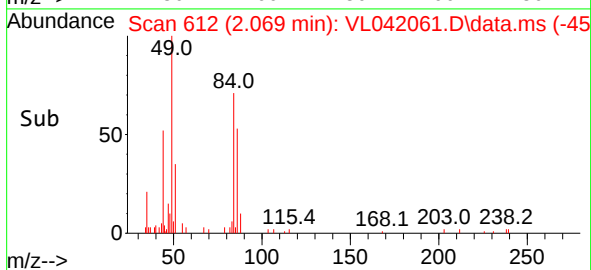
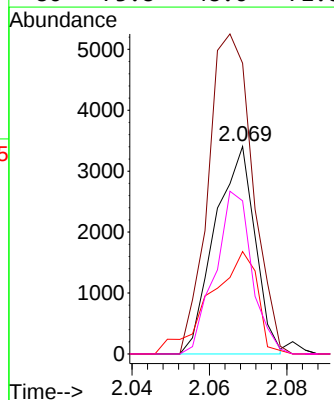
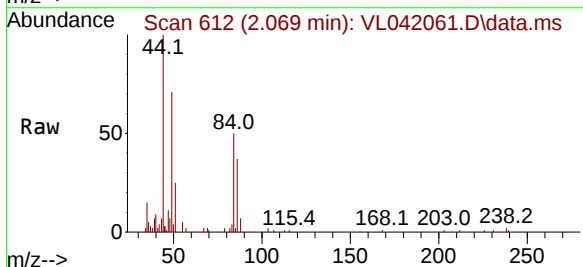
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

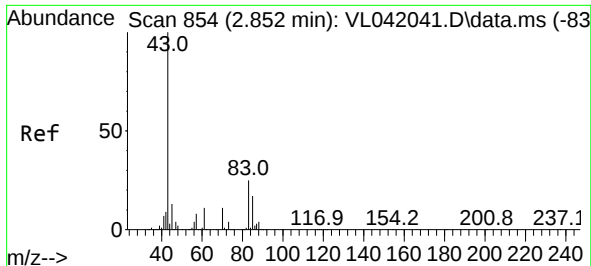
Tgt Ion: 45 Resp: 227934
Ion Ratio Lower Upper
45 100
58 0.1 35.3 52.9#



#20
Methylene Chloride
Concen: 0.477 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Tgt Ion: 84 Resp: 2447
Ion Ratio Lower Upper
84 100
49 140.1 130.0 195.0
51 47.7 37.4 56.0
86 73.8 48.6 72.8#

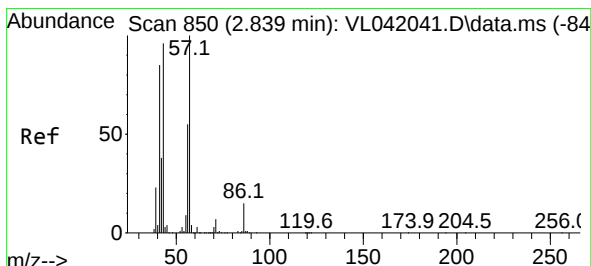
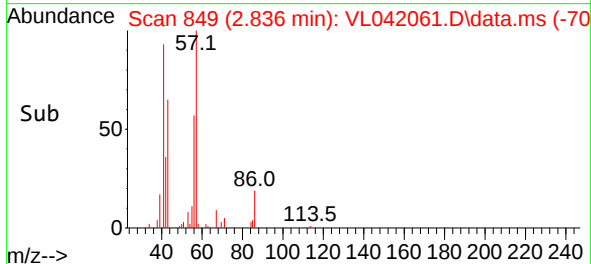
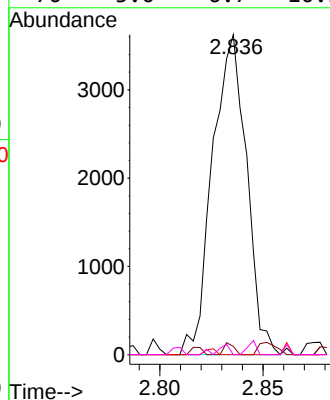
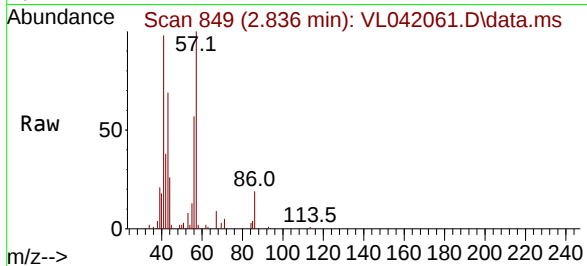




#25
Ethyl Acetate
Concen: 0.077 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.016 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

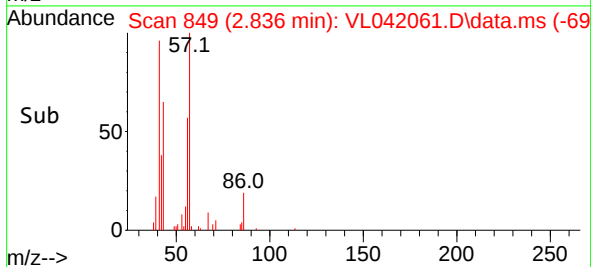
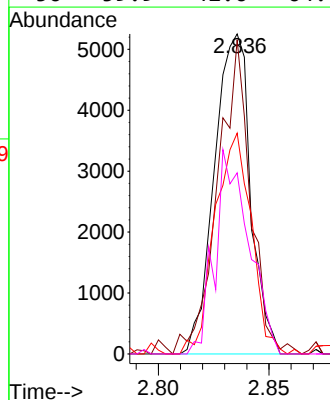
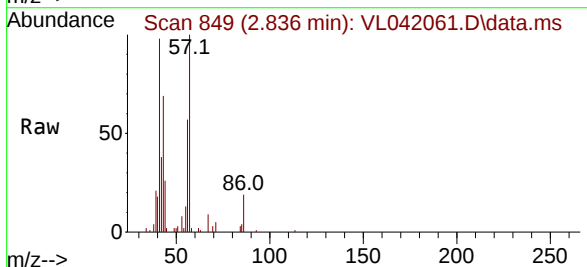
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

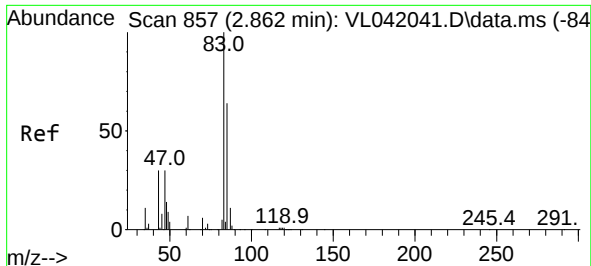
Tgt Ion: 43	Resp: 4159
Ion Ratio	Lower Upper
43 100	
45 3.8	8.1 12.1#
61 0.6	7.2 10.8#
70 3.0	6.7 10.1#



#26
Hexane
Concen: 0.273 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Tgt Ion: 57	Resp: 5985
Ion Ratio	Lower Upper
57 100	
41 92.7	70.6 106.0
43 70.5	199.4 299.0#
56 59.9	42.6 64.0





#29

Chloroform

Concen: 0.132 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL042061.D

Acq: 26 Feb 2025 14:55

Instrument :

MSVOA_L

ClientSampleId :

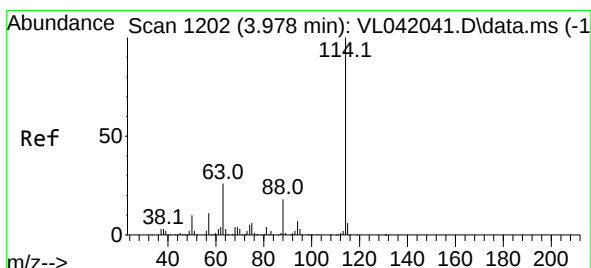
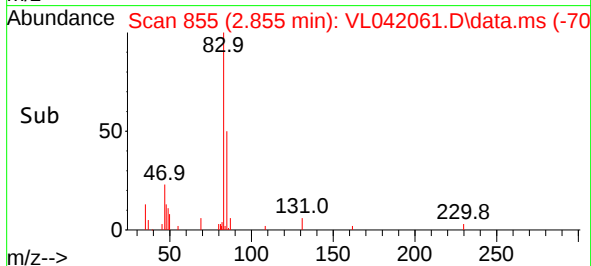
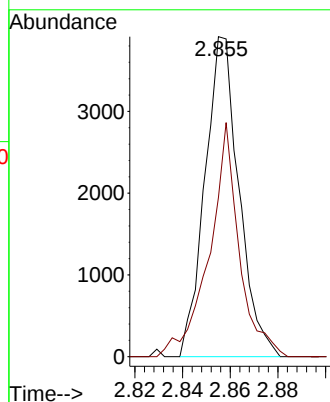
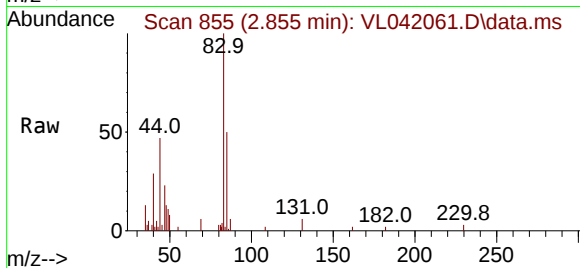
SV1DL

Tgt Ion: 83 Resp: 3887

Ion Ratio Lower Upper

83 100

85 48.0 51.2 76.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1200

Delta R.T. -0.006 min

Lab File: VL042061.D

Acq: 26 Feb 2025 14:55

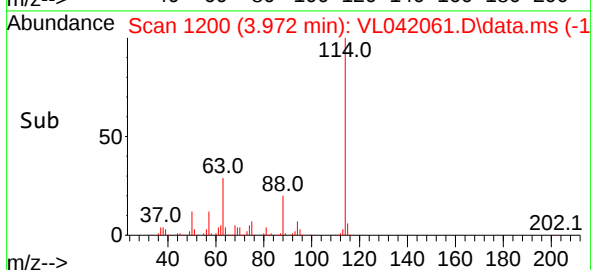
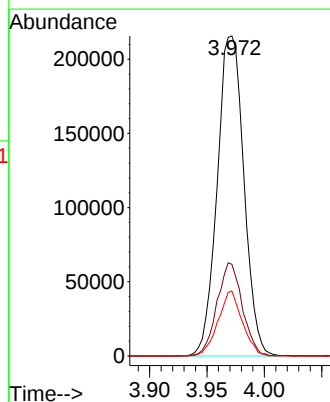
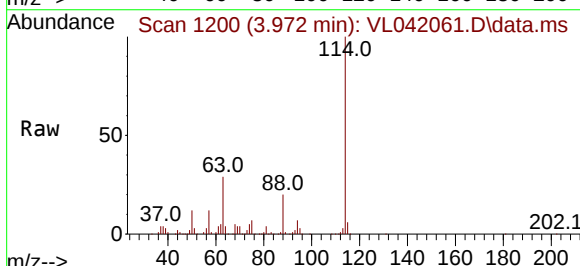
Tgt Ion: 114 Resp: 349155

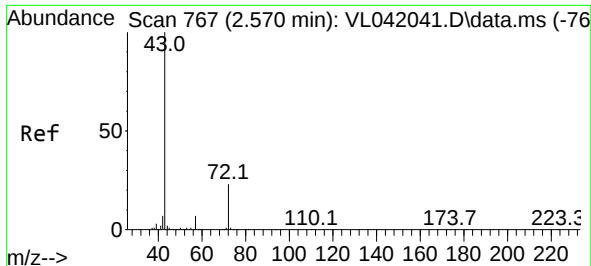
Ion Ratio Lower Upper

114 100

63 27.6 20.1 30.1

88 18.4 14.3 21.5

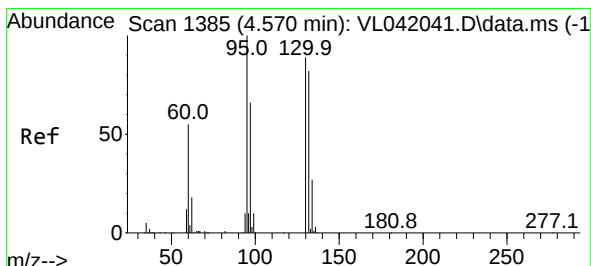
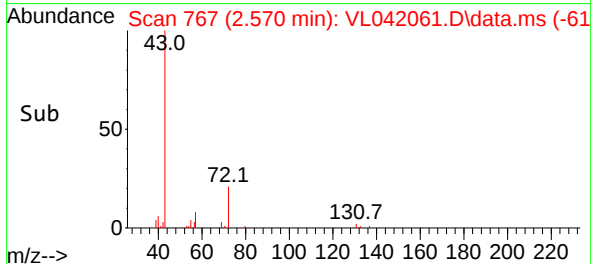
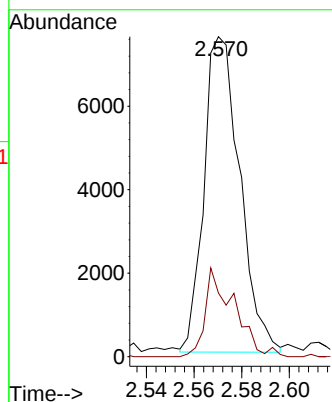
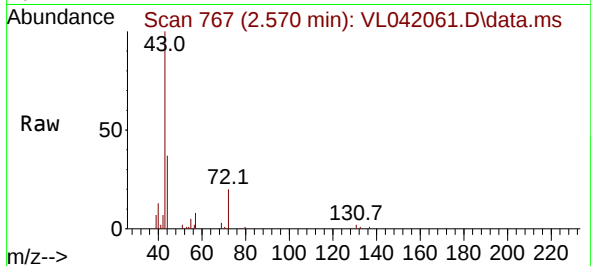




#34
2-Butanone
Concen: 0.290 ppbv
RT: 2.570 min Scan# 767
Delta R.T. -0.000 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

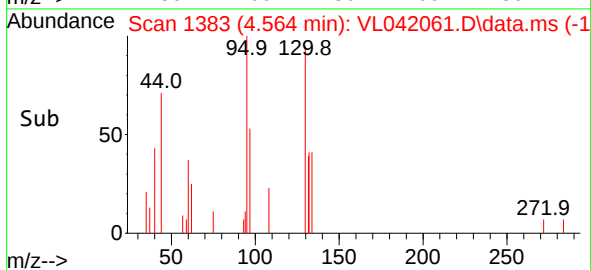
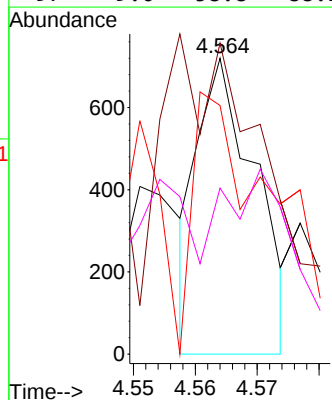
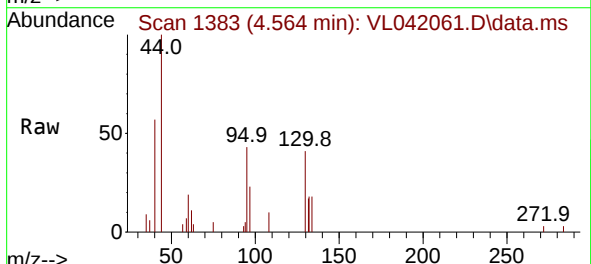
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

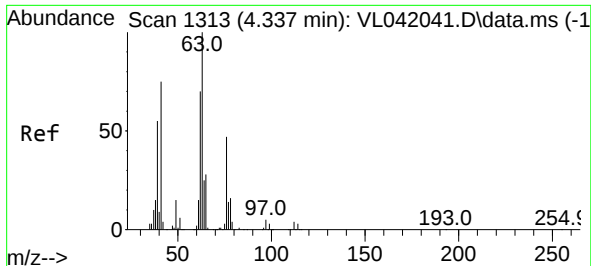
Tgt Ion: 43 Resp: 7901
Ion Ratio Lower Upper
43 100
72 22.9 18.5 27.7



#38
Trichloroethene
Concen: 0.031 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Tgt Ion:130 Resp: 468
Ion Ratio Lower Upper
130 100
95 74.9 89.5 134.3#
132 118.6 73.8 110.6#
97 9.0 58.8 88.2#





#39

1,2-Dichloropropane

Concen: 6.938 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.369 min

Lab File: VL042061.D

Acq: 26 Feb 2025 14:55

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

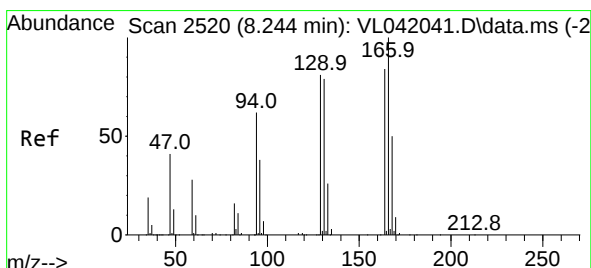
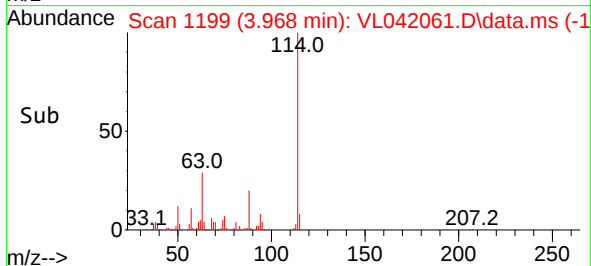
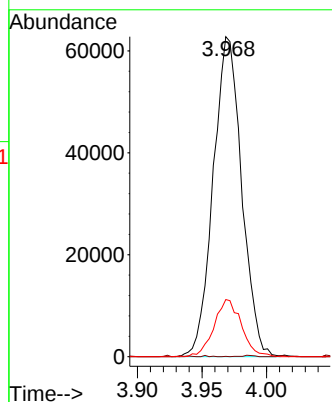
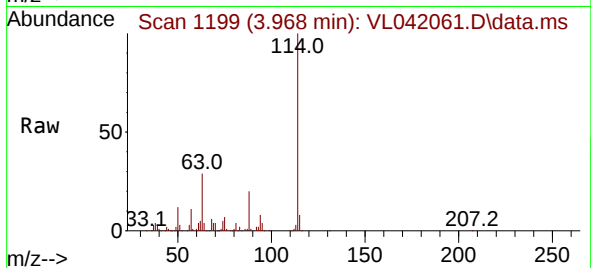
Tgt Ion: 63 Resp: 96257

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 17.9 55.8 83.8#



#52

Tetrachloroethene

Concen: 25.070 ppbv

RT: 8.238 min Scan# 2518

Delta R.T. -0.006 min

Lab File: VL042061.D

Acq: 26 Feb 2025 14:55

Tgt Ion:164 Resp: 313696

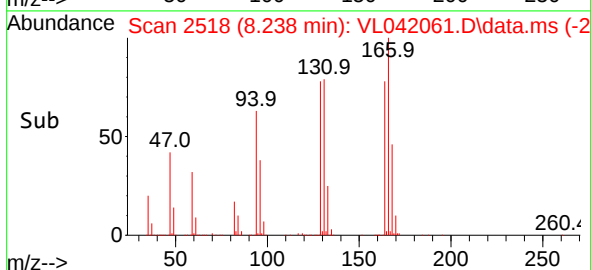
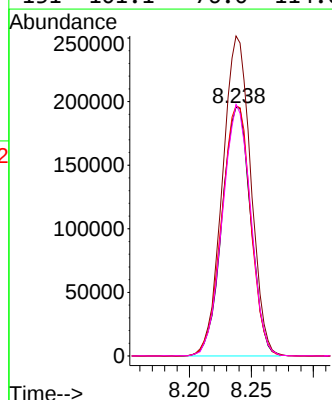
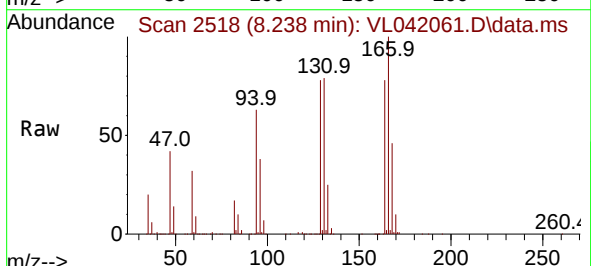
Ion Ratio Lower Upper

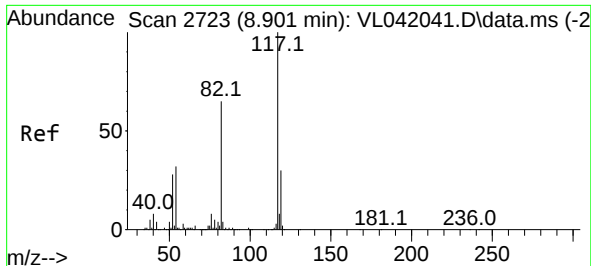
164 100

166 128.7 95.7 143.5

129 100.7 77.1 115.7

131 101.1 76.0 114.0

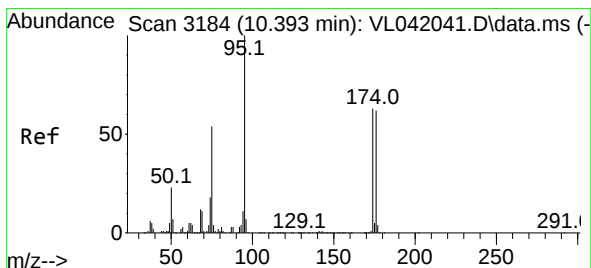
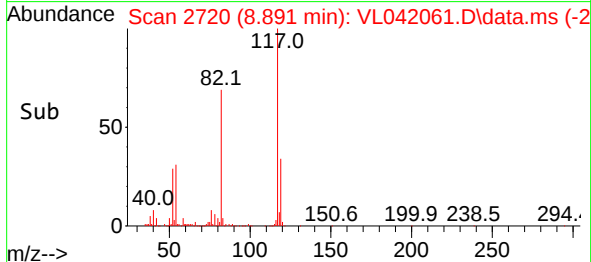
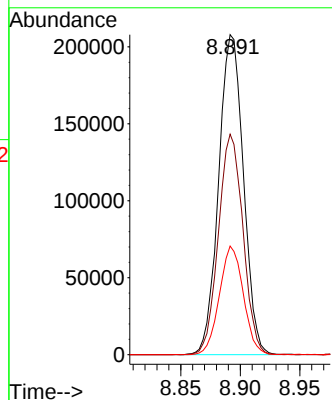
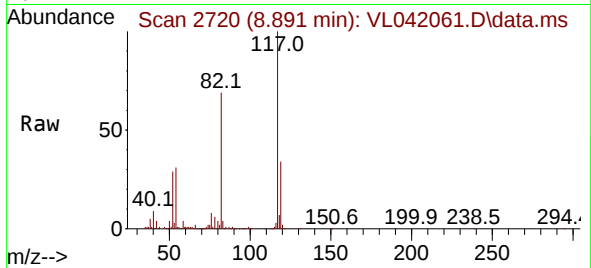




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 300193
Ion Ratio Lower Upper
117 100
82 68.2 55.0 82.6
119 32.8 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.139 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.010 min
Lab File: VL042061.D
Acq: 26 Feb 2025 14:55

Tgt Ion: 95 Resp: 234153
Ion Ratio Lower Upper
95 100
174 62.4 51.8 77.6
175 4.3 3.9 5.9

