

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043005.D
 Acq On : 24 Sep 2025 12:03
 Operator : SY/MD
 Sample : Q3154-01DL 80X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Sep 25 01:54:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	148018	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	442740	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	392695	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	291628	9.949	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

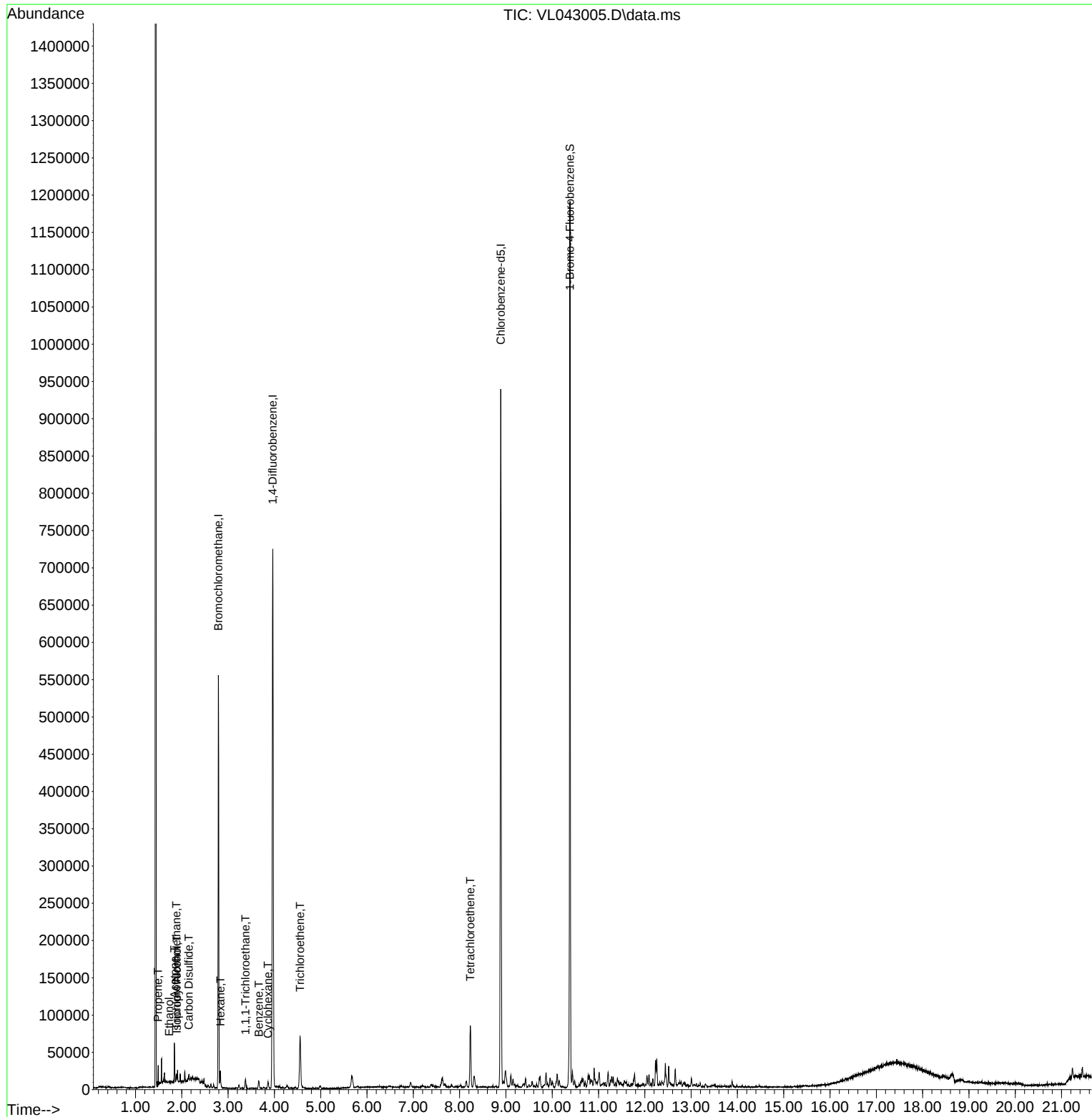
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	1.489	41	2612	0.242	ppbv #	71
11) Trichlorofluoromethane	1.881	101	3110	0.162	ppbv	90
13) Ethanol	1.725	45	1135m	1.084	ppbv	
15) Acetone	1.839	43	24853	1.289	ppbv	96
19) Isopropyl Alcohol	1.891	45	1892m	0.163	ppbv	
26) Hexane	2.832	57	4527	0.204	ppbv #	39
27) Carbon Disulfide	2.153	76	4280	0.215	ppbv #	1
30) Cyclohexane	3.858	84	1864m	0.100	ppbv	
32) 1,1,1-Trichloroethane	3.376	97	4939m	0.157	ppbv	
36) Benzene	3.664	78	6153	0.148	ppbv	97
38) Trichloroethene	4.554	130	20680	1.001	ppbv	88
52) Tetrachloroethene	8.231	164	15536m	0.966	ppbv	

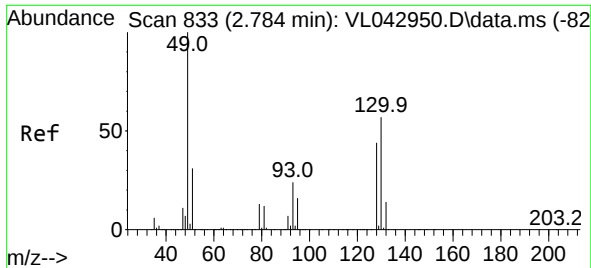
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
Data File : VL043005.D
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Operator : SY/MD
Sample : Q3154-01DL 80X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Sep 25 01:54:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

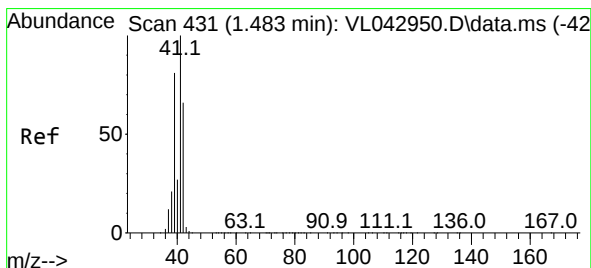
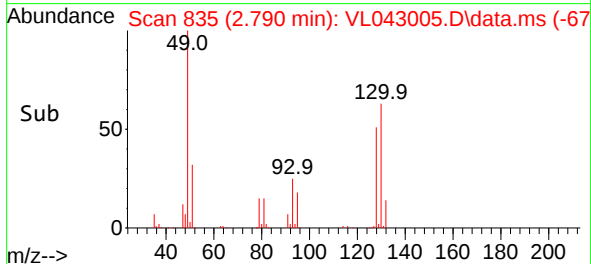
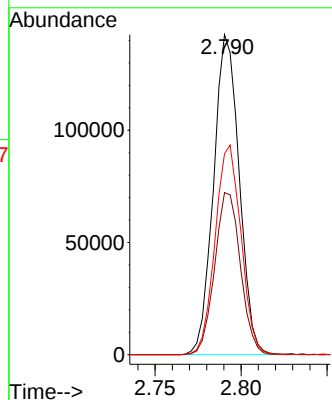
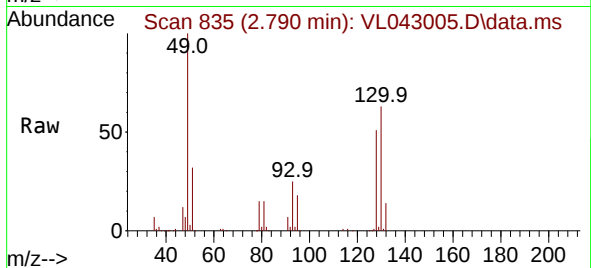




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

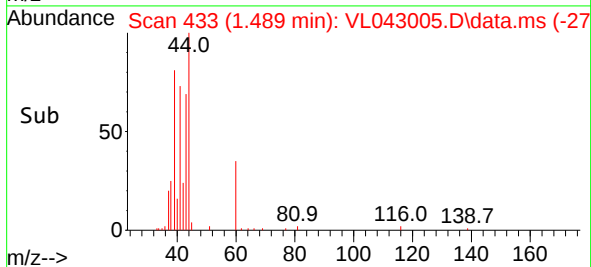
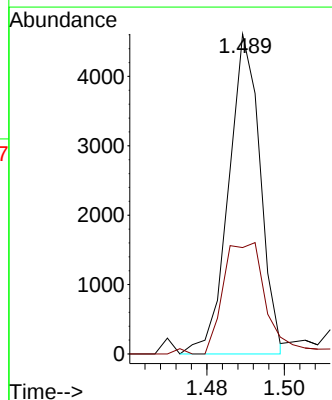
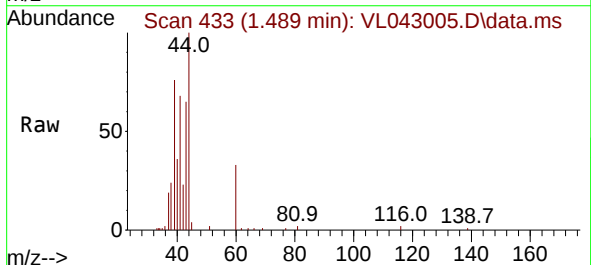
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

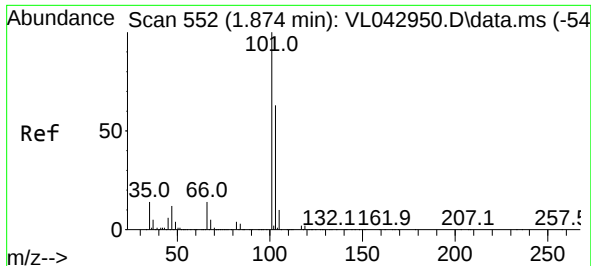
Tgt Ion: 49 Resp: 148018
Ion Ratio Lower Upper
49 100
128 50.9 22.9 68.8
130 66.0 29.1 87.3



#9
Propene
Concen: 0.242 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

Tgt Ion: 41 Resp: 2612
Ion Ratio Lower Upper
41 100
42 47.6 57.4 86.2#

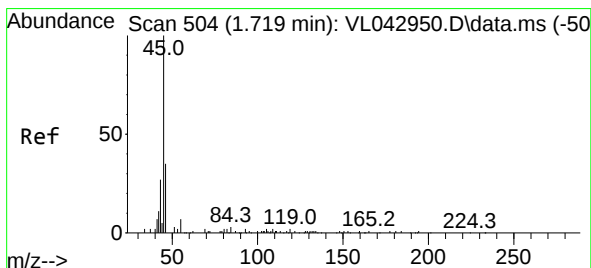
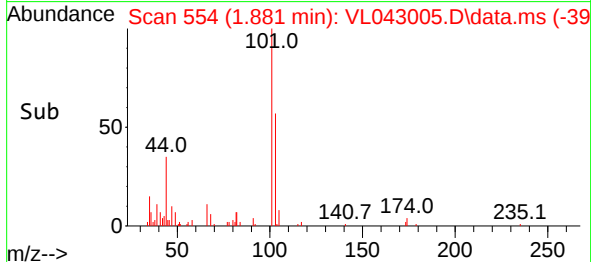
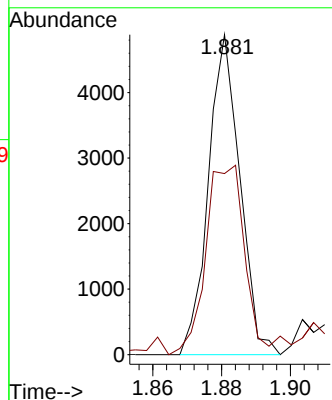
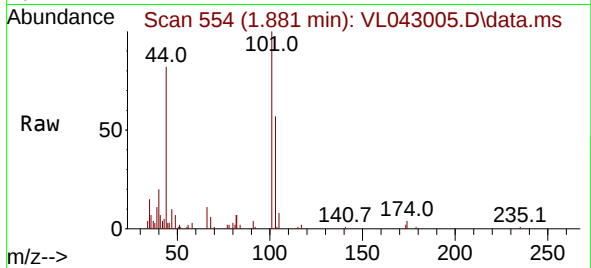




#11
 Trichlorofluoromethane
 Concen: 0.162 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL043005.D
 Acq: 24 Sep 2025 12:03

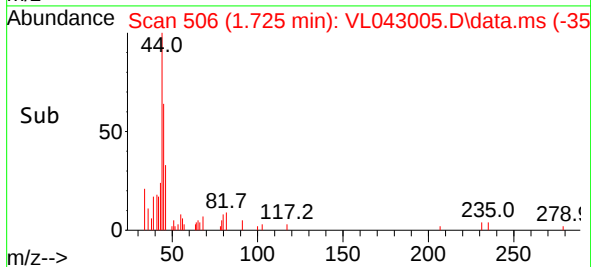
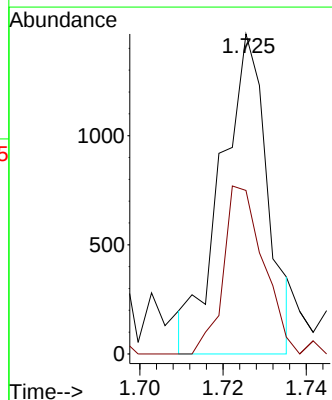
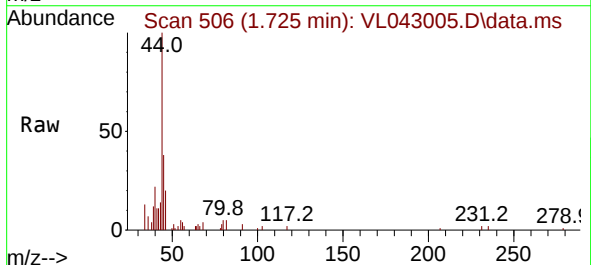
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

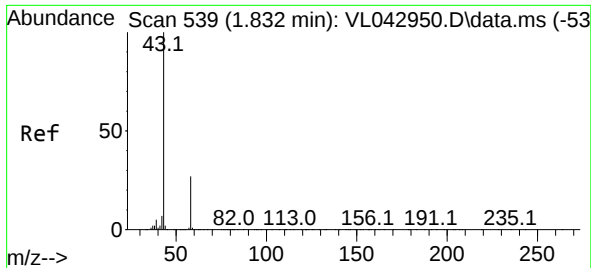
Tgt Ion:101 Resp: 3110
 Ion Ratio Lower Upper
 101 100
 103 54.6 50.1 75.1



#13
 Ethanol
 Concen: 1.084 ppbv m
 RT: 1.725 min Scan# 506
 Delta R.T. 0.006 min
 Lab File: VL043005.D
 Acq: 24 Sep 2025 12:03

Tgt Ion: 45 Resp: 1135
 Ion Ratio Lower Upper
 45 100
 46 4476.4 16.2 64.6#





#15

Acetone

Concen: 1.289 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.006 min

Lab File: VL043005.D

Acq: 24 Sep 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

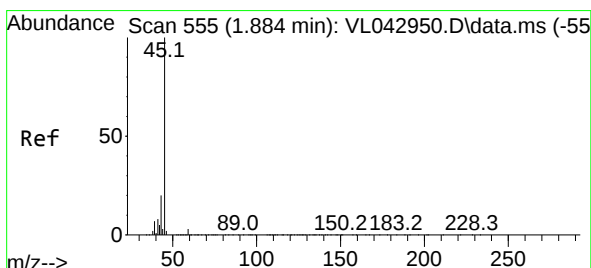
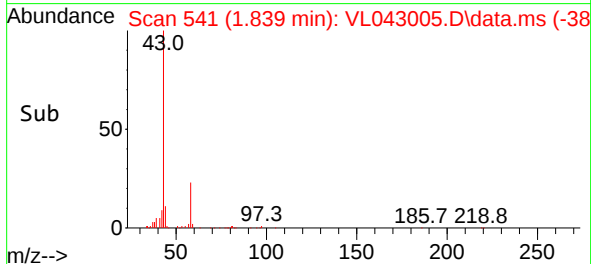
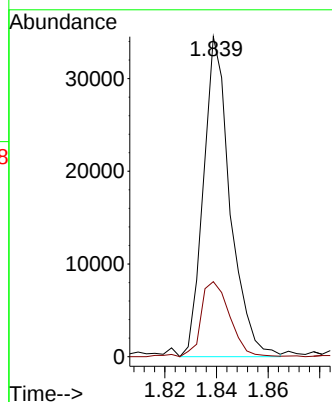
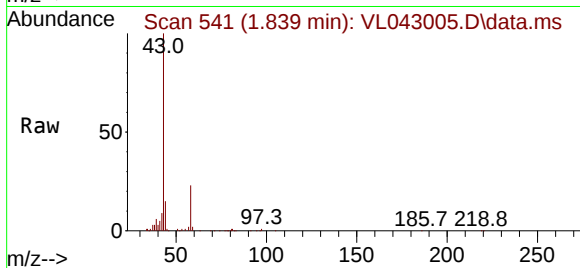
SV1DL

Tgt Ion: 43 Resp: 24853

Ion Ratio Lower Upper

43 100

58 25.8 22.3 33.5



#19

Isopropyl Alcohol

Concen: 0.163 ppbv m

RT: 1.891 min Scan# 557

Delta R.T. 0.006 min

Lab File: VL043005.D

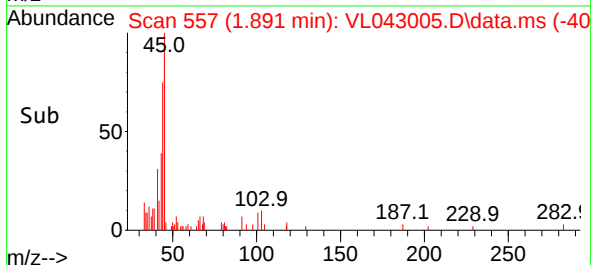
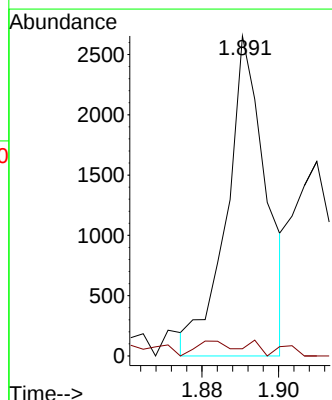
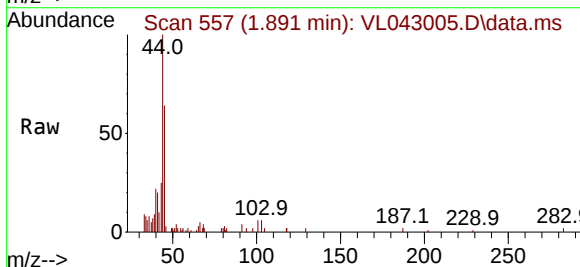
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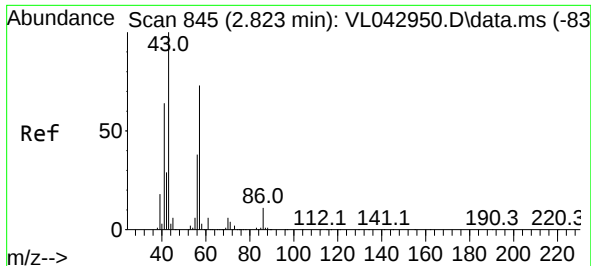
Tgt Ion: 45 Resp: 1892

Ion Ratio Lower Upper

45 100

58 27.5 31.0 46.6#

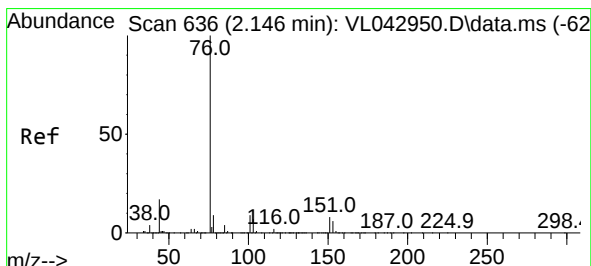
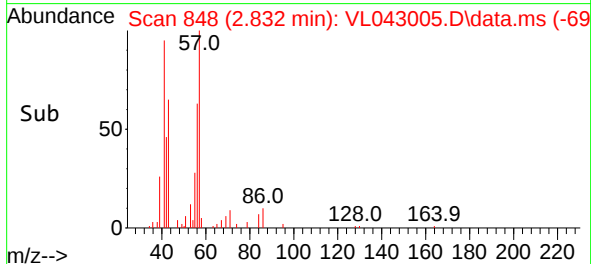
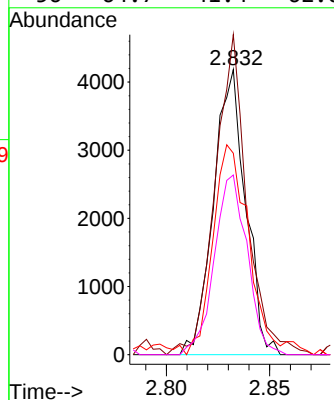
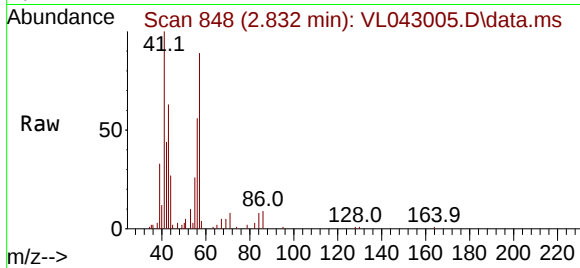




#26
Hexane
Concen: 0.204 ppbv
RT: 2.832 min Scan# 845
Delta R.T. 0.010 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

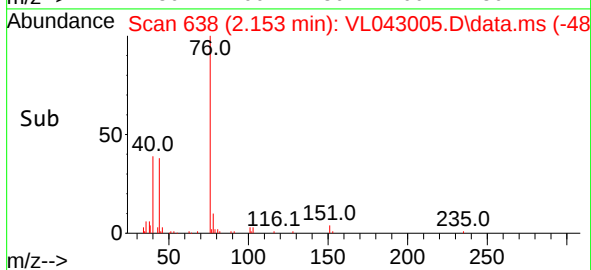
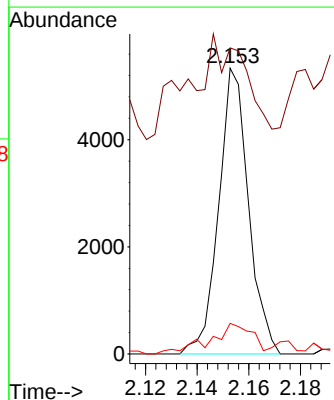
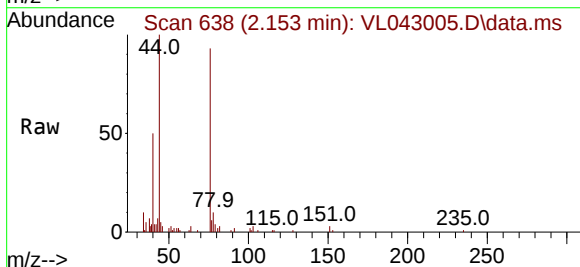
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

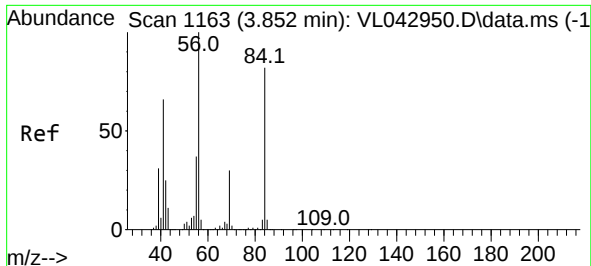
Tgt Ion: 57 Resp: 4527
Ion Ratio Lower Upper
57 100
41 113.3 71.7 107.5#
43 88.2 180.8 271.2#
56 64.7 41.4 62.0#



#27
Carbon Disulfide
Concen: 0.215 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.006 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

Tgt Ion: 76 Resp: 4280
Ion Ratio Lower Upper
76 100
44 216.9 15.6 23.4#
78 20.0 8.9 13.3#

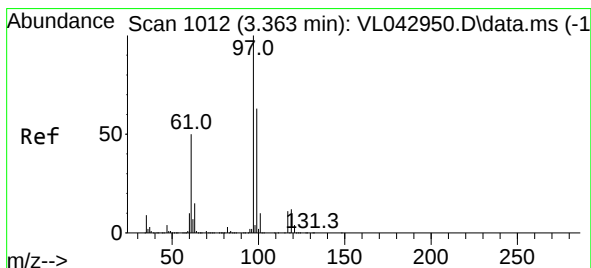
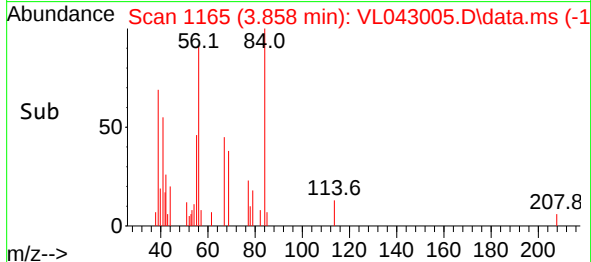
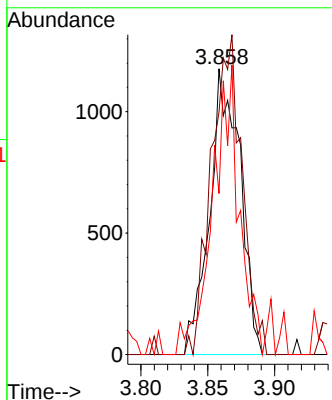
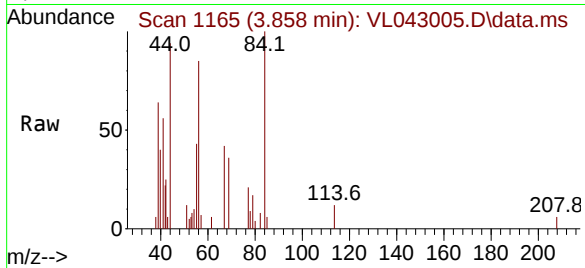




#30
Cyclohexane
Concen: 0.100 ppbv m
RT: 3.858 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

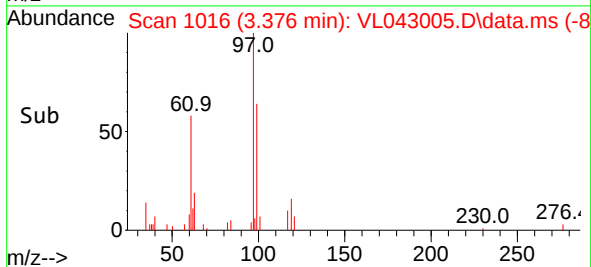
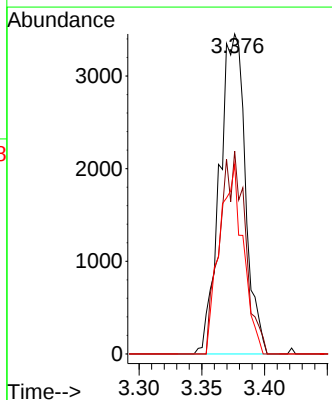
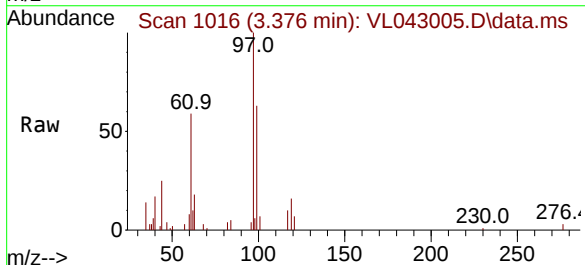
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

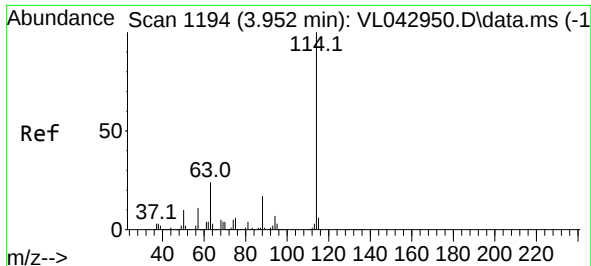
Tgt Ion: 84 Resp: 1864
Ion Ratio Lower Upper
84 100
56 111.6 102.2 153.4
41 94.9 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 0.157 ppbv m
RT: 3.376 min Scan# 1016
Delta R.T. 0.013 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

Tgt Ion: 97 Resp: 4939
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 0.0 39.8 59.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.013 min

Lab File: VL043005.D

Acq: 24 Sep 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

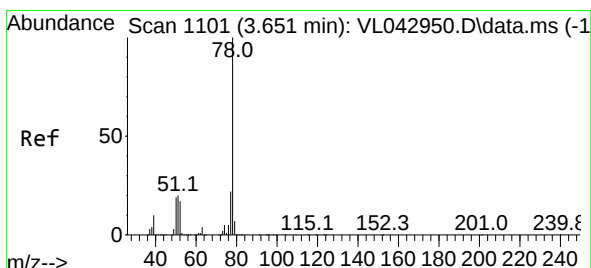
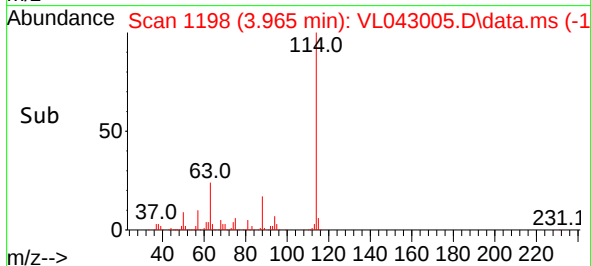
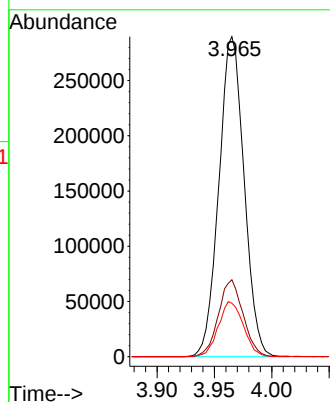
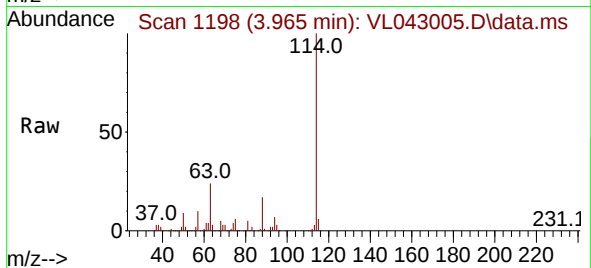
Tgt Ion:114 Resp: 442740

Ion Ratio Lower Upper

114 100

63 23.6 19.4 29.2

88 17.1 14.2 21.2



#36

Benzene

Concen: 0.148 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.013 min

Lab File: VL043005.D

Acq: 24 Sep 2025 12:03

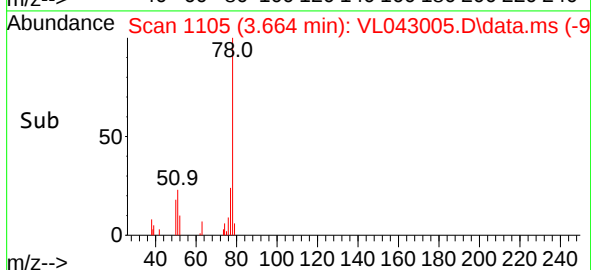
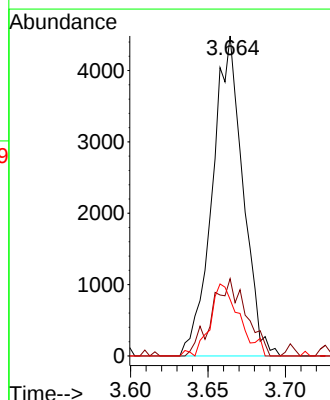
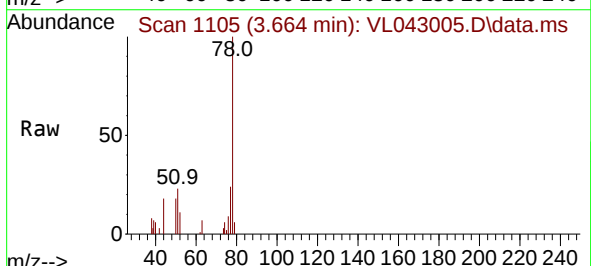
Tgt Ion: 78 Resp: 6153

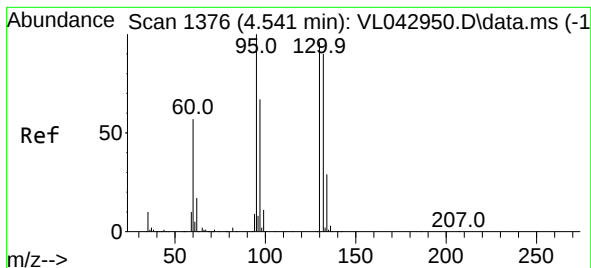
Ion Ratio Lower Upper

78 100

77 24.1 17.8 26.6

50 17.7 15.0 22.4





#38

Trichloroethene

Concen: 1.001 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.013 min

Lab File: VL043005.D

Acq: 24 Sep 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:130 Resp: 20680

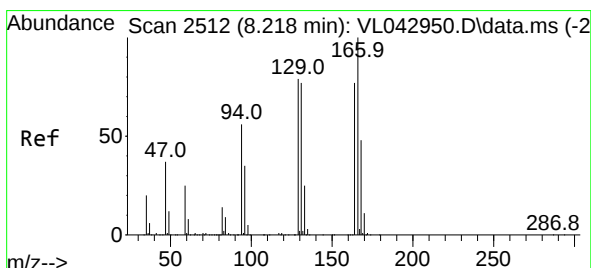
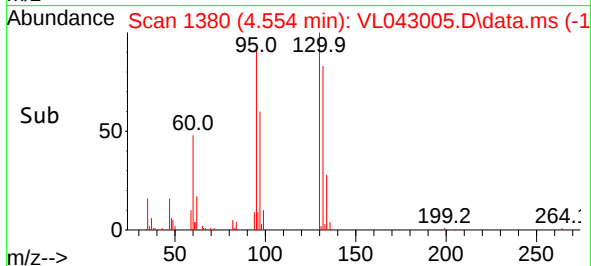
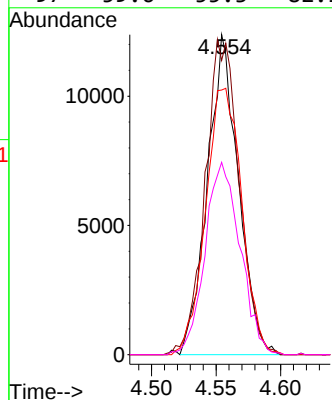
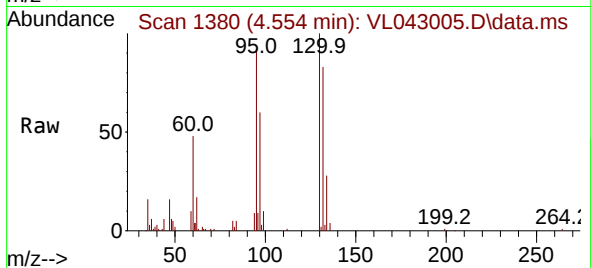
Ion Ratio Lower Upper

130 100

95 92.0 83.0 124.4

132 82.1 74.6 112.0

97 59.6 55.3 82.9



#52

Tetrachloroethene

Concen: 0.966 ppbv m

RT: 8.231 min Scan# 2516

Delta R.T. 0.013 min

Lab File: VL043005.D

Acq: 24 Sep 2025 12:03

Tgt Ion:164 Resp: 15536

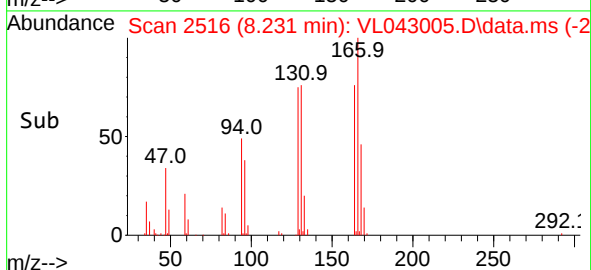
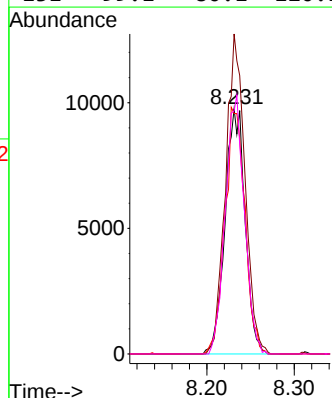
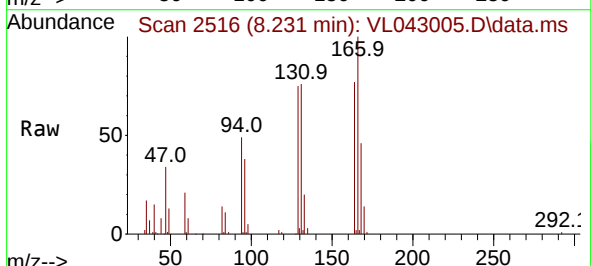
Ion Ratio Lower Upper

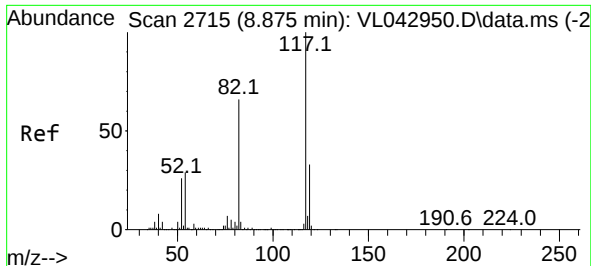
164 100

166 130.5 103.5 155.3

129 98.0 82.2 123.4

131 99.1 80.1 120.1

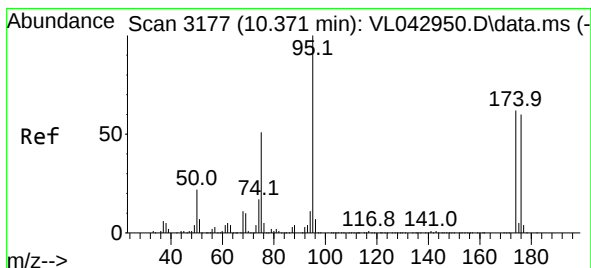
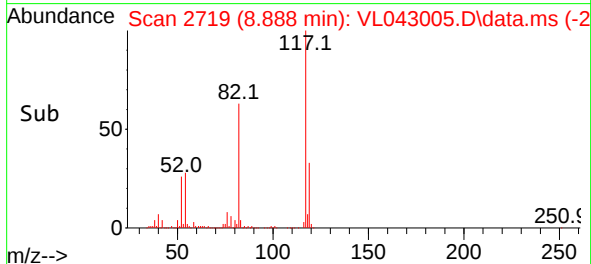
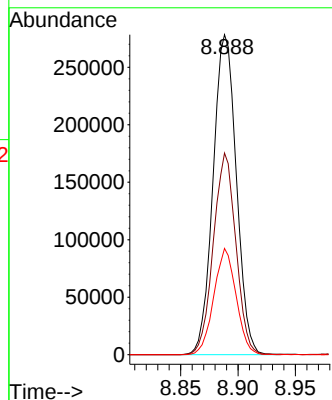
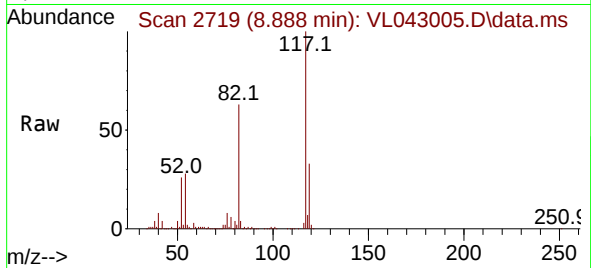




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 392695
Ion Ratio Lower Upper
117 100
82 61.1 52.8 79.2
119 31.9 26.5 39.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.949 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.013 min
Lab File: VL043005.D
Acq: 24 Sep 2025 12:03

Tgt Ion: 95 Resp: 291628
Ion Ratio Lower Upper
95 100
174 72.2 51.4 77.2
175 5.3 4.0 6.0

