

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042130.D
 Acq On : 10 Mar 2025 17:52
 Operator : SY/MD
 Sample : Q1506-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Mar 11 01:28:19 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)

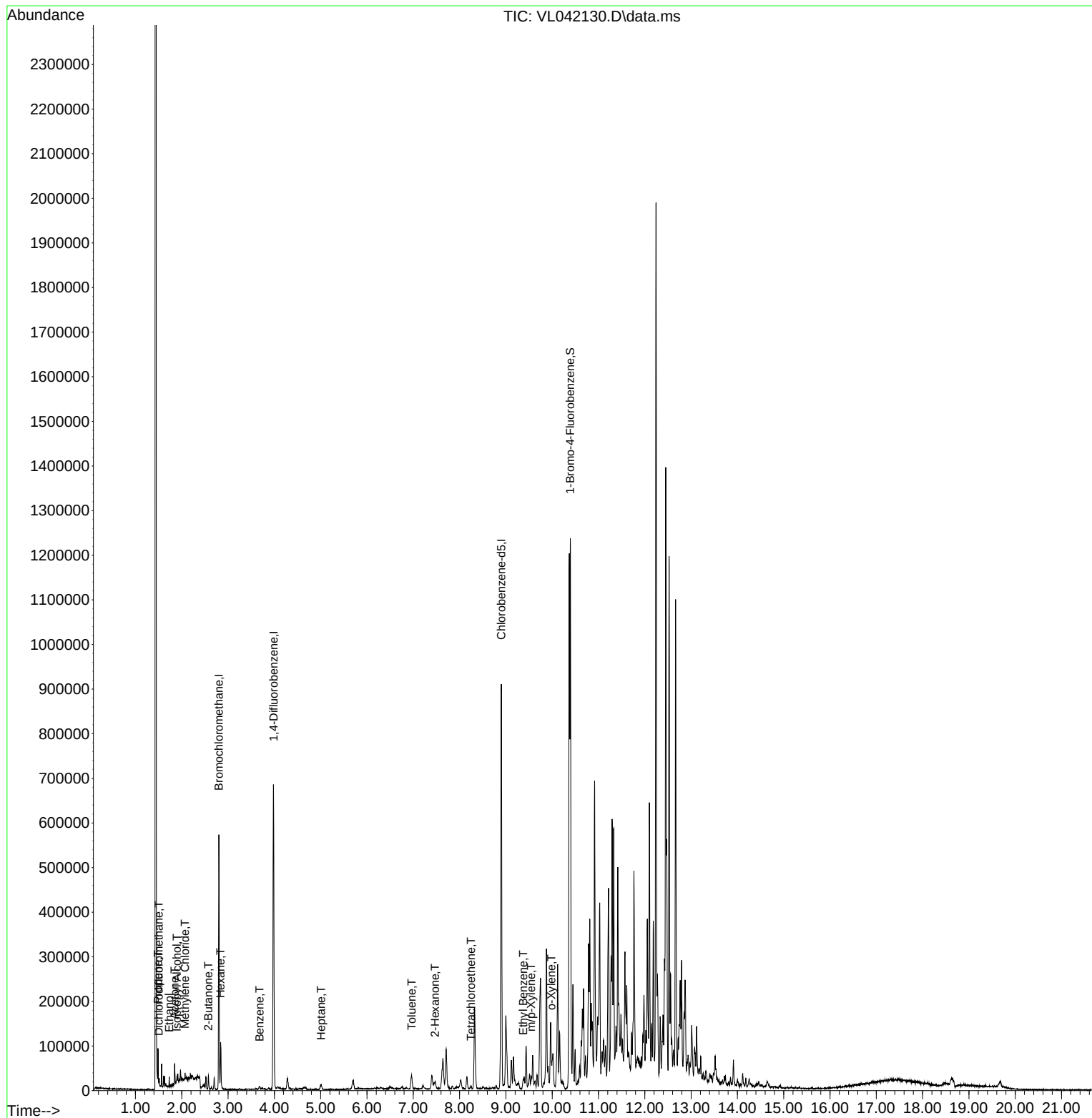
Internal Standards						
1) Bromochloromethane	2.800	49	170506	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	389368	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	362933	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	312050	11.176	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	3106	0.175	ppbv #	85
9) Propene	1.486	41	11439	1.133	ppbv	100
10) Heptane	5.011	43	4327m	0.138	ppbv	
13) Ethanol	1.729	45	6546	10.214	ppbv #	33
15) Acetone	1.846	43	19762	1.312	ppbv #	80
19) Isopropyl Alcohol	1.894	45	5237	0.605	ppbv #	1
20) Methylene Chloride	2.069	84	2392	0.420	ppbv #	80
26) Hexane	2.839	57	19732	0.810	ppbv #	32
34) 2-Butanone	2.574	43	18077	0.596	ppbv	96
36) Benzene	3.677	78	4261m	0.105	ppbv	
51) 2-Hexanone	7.471	43	6741	0.250	ppbv #	94
52) Tetrachloroethene	8.244	164	877m	0.063	ppbv	
53) Toluene	6.963	91	20904	0.459	ppbv	97
58) Ethyl Benzene	9.374	91	8439m	0.126	ppbv	
59) m/p-Xylene	9.545	91	17181m	0.323	ppbv	
60) o-Xylene	9.979	91	12149	0.227	ppbv	89

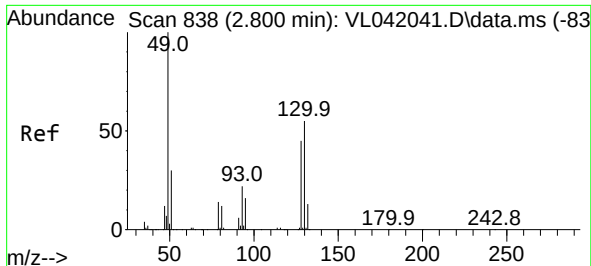
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL042130.D
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Instrument :
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SV1

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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
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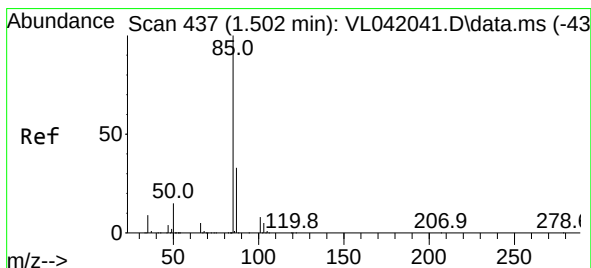
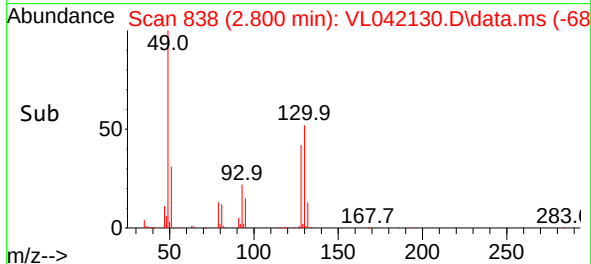
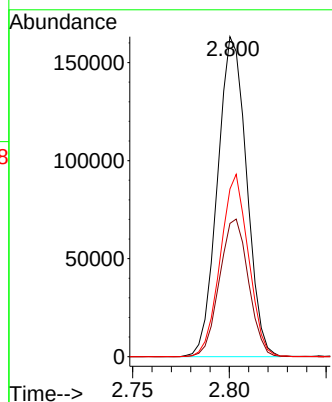
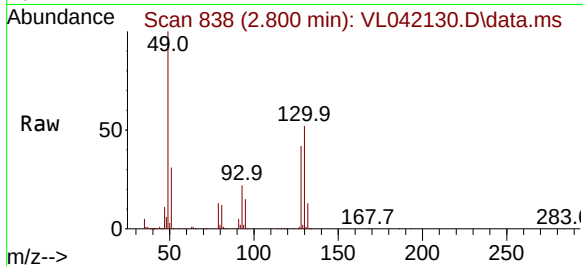




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.800 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL042130.D
 Acq: 10 Mar 2025 17:52

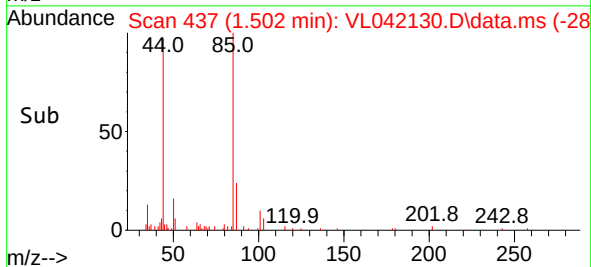
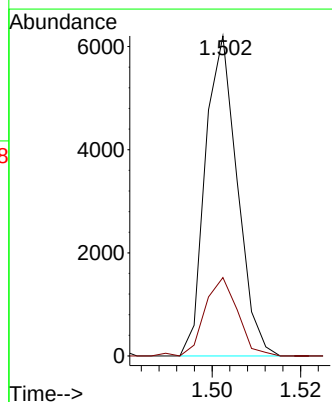
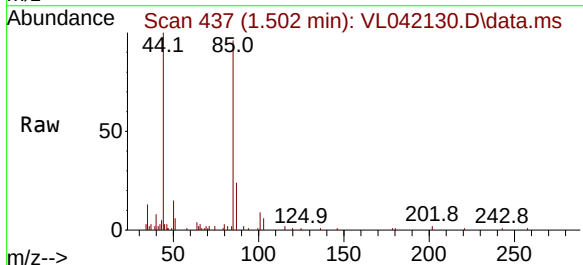
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

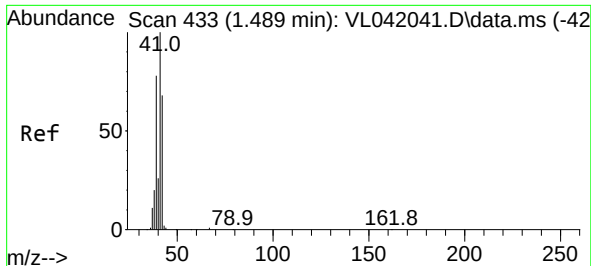
Tgt Ion: 49 Resp: 170506
 Ion Ratio Lower Upper
 49 100
 128 42.8 21.6 64.8
 130 55.0 27.8 83.4



#2
 Dichlorodifluoromethane
 Concen: 0.175 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VL042130.D
 Acq: 10 Mar 2025 17:52

Tgt Ion: 85 Resp: 3106
 Ion Ratio Lower Upper
 85 100
 87 24.5 26.4 39.6#

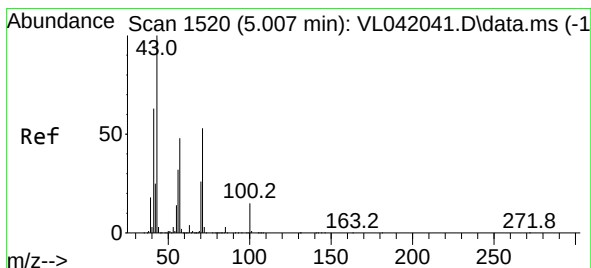
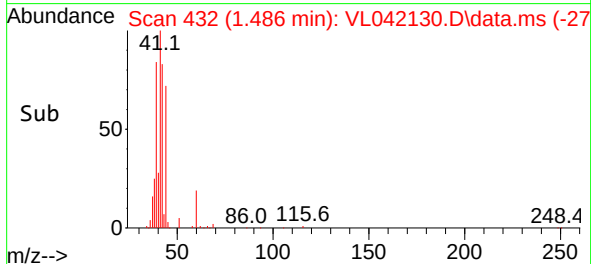
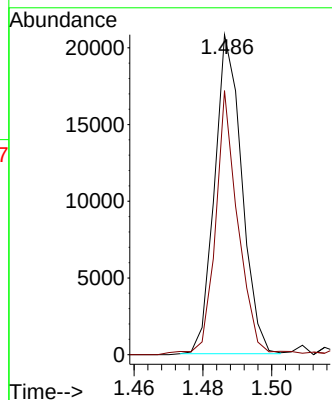
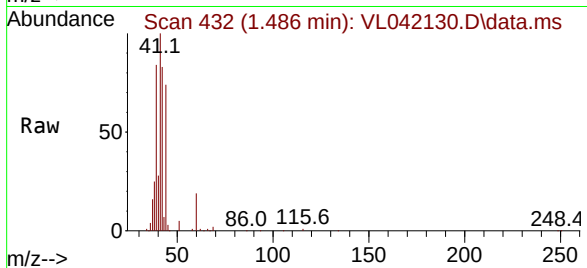




#9
Propene
Concen: 1.133 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

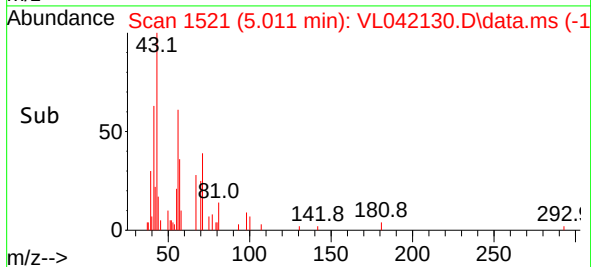
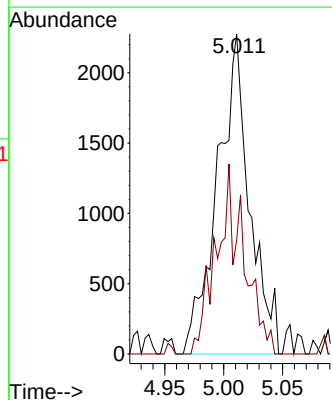
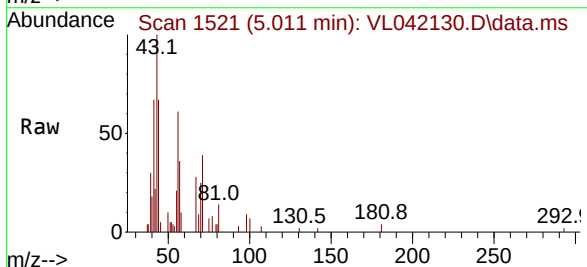
Instrument :
MSVOA_L
ClientSampleId :
SV1

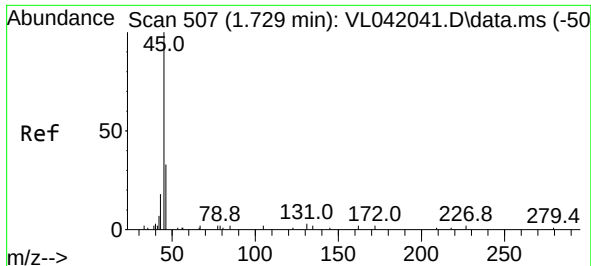
Tgt Ion: 41 Resp: 11439
Ion Ratio Lower Upper
41 100
42 70.0 55.8 83.6



#10
Heptane
Concen: 0.138 ppbv m
RT: 5.011 min Scan# 1521
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion: 43 Resp: 4327
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.0#

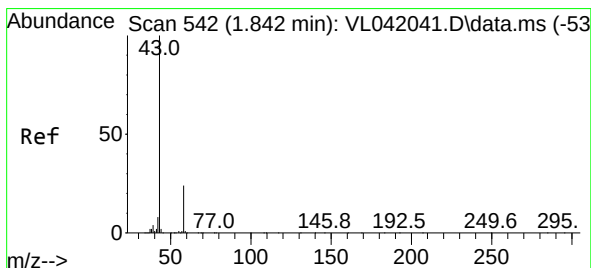
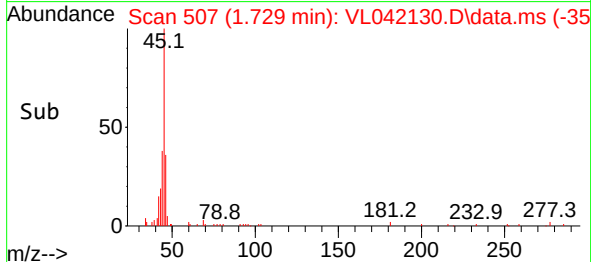
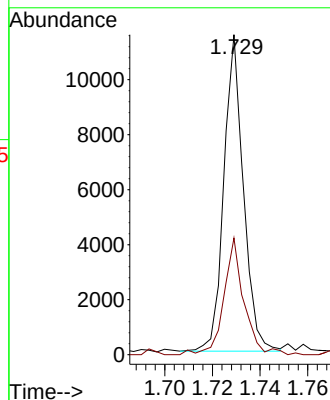
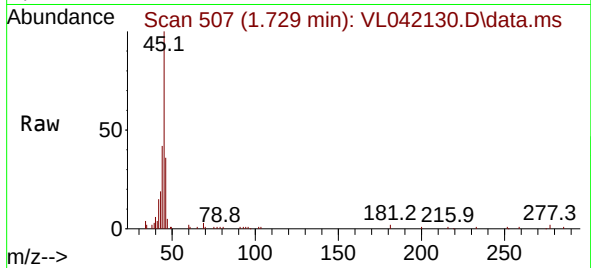




#13
 Ethanol
 Concen: 10.214 ppbv
 RT: 1.729 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VL042130.D
 Acq: 10 Mar 2025 17:52

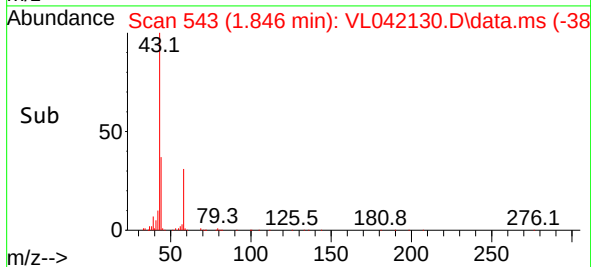
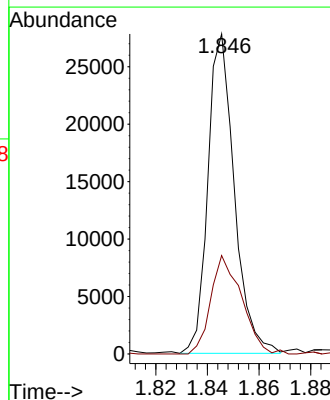
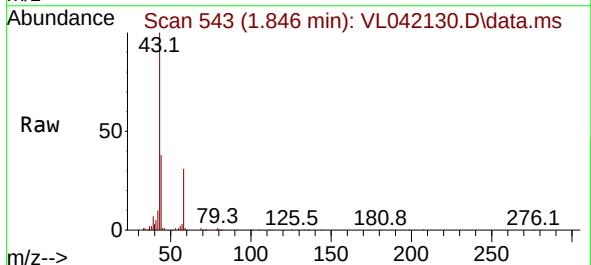
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

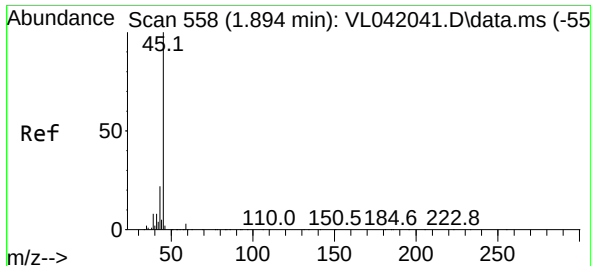
Tgt Ion: 45 Resp: 6546
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.1 68.3#



#15
 Acetone
 Concen: 1.312 ppbv
 RT: 1.846 min Scan# 543
 Delta R.T. 0.004 min
 Lab File: VL042130.D
 Acq: 10 Mar 2025 17:52

Tgt Ion: 43 Resp: 19762
 Ion Ratio Lower Upper
 43 100
 58 36.0 20.7 31.1#





#19

Isopropyl Alcohol

Concen: 0.605 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042130.D

Acq: 10 Mar 2025 17:52

Instrument :

MSVOA_L

ClientSampleId :

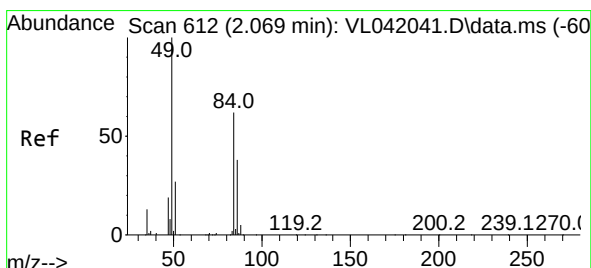
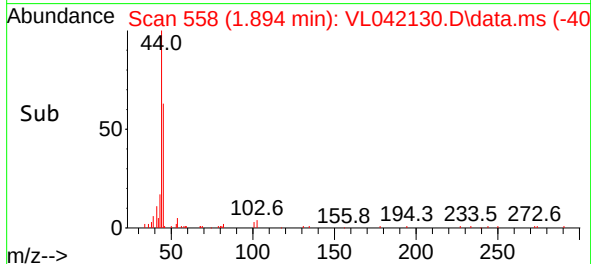
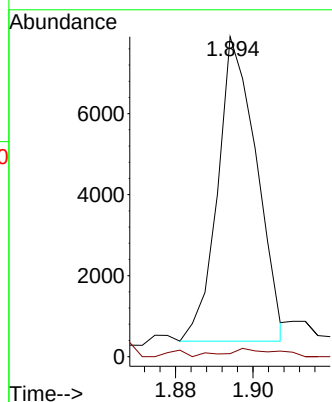
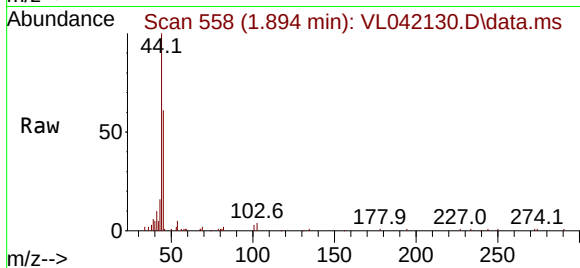
SV1

Tgt Ion: 45 Resp: 5237

Ion Ratio Lower Upper

45 100

58 139.0 35.3 52.9#



#20

Methylene Chloride

Concen: 0.420 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.000 min

Lab File: VL042130.D

Acq: 10 Mar 2025 17:52

Tgt Ion: 84 Resp: 2392

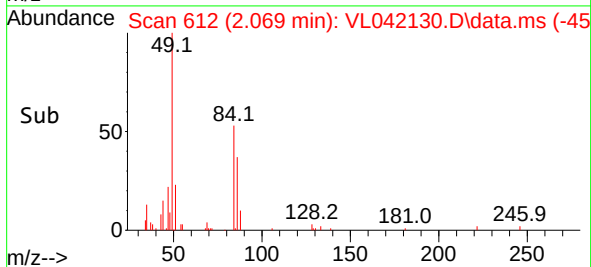
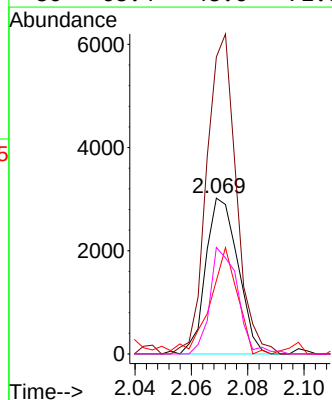
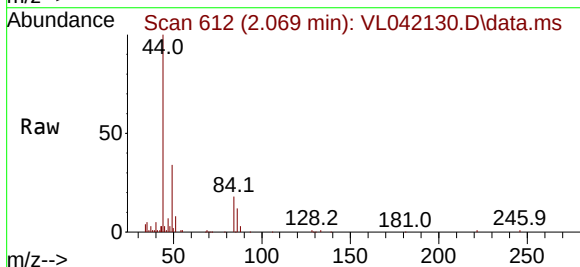
Ion Ratio Lower Upper

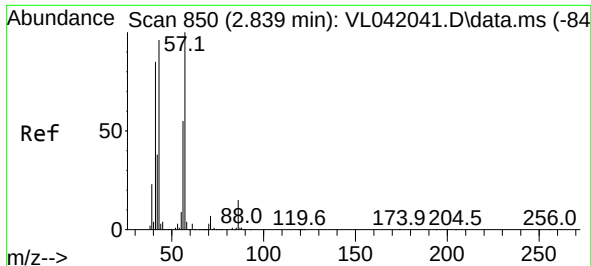
84 100

49 200.9 130.0 195.0#

51 44.9 37.4 56.0

86 68.4 48.6 72.8

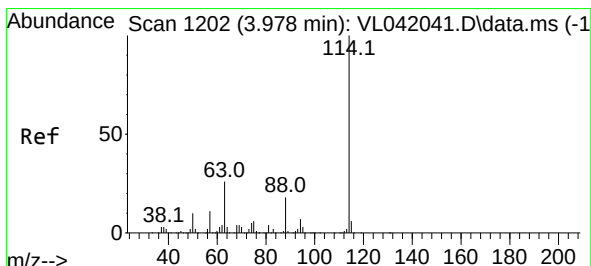
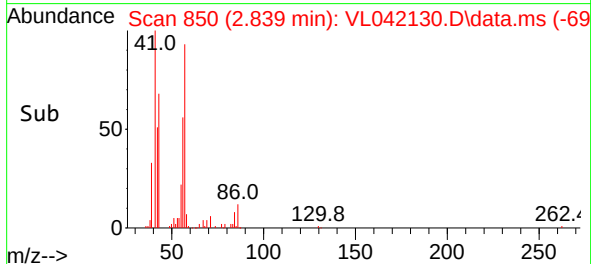
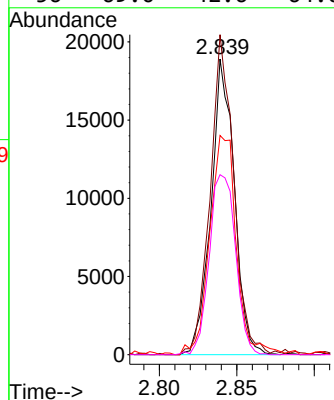
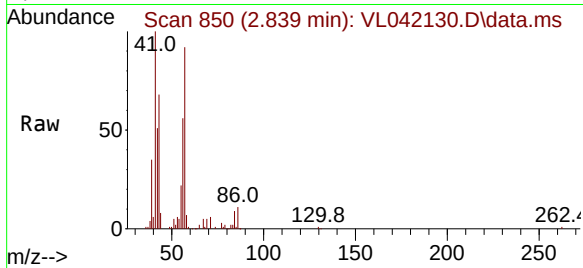




#26
Hexane
Concen: 0.810 ppbv
RT: 2.839 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

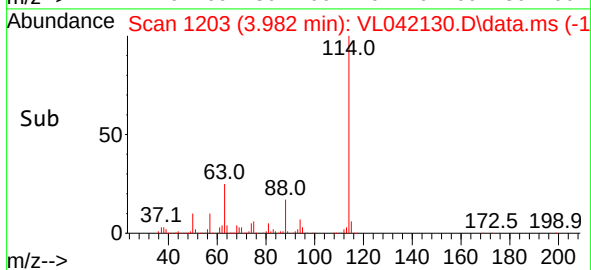
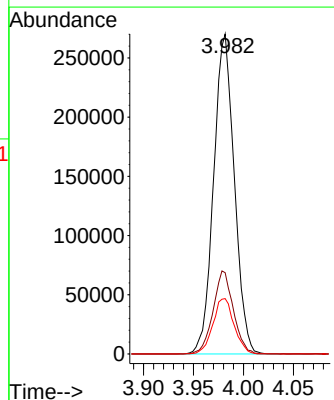
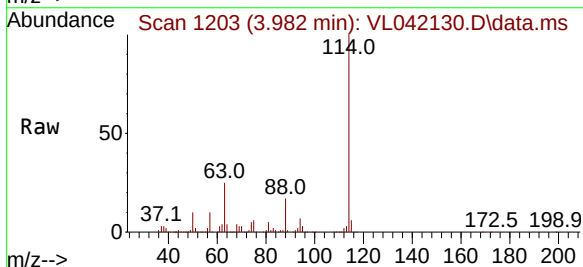
Instrument :
MSVOA_L
ClientSampleId :
SV1

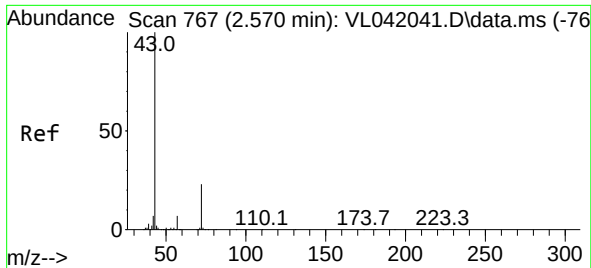
Tgt Ion: 57	Resp: 19732
Ion Ratio	Lower Upper
57 100	
41 110.4	70.6 106.0#
43 86.7	199.4 299.0#
56 69.0	42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.982 min Scan# 1203
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion:114	Resp:	389368	
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.1	30.1
88	17.7	14.3	21.5

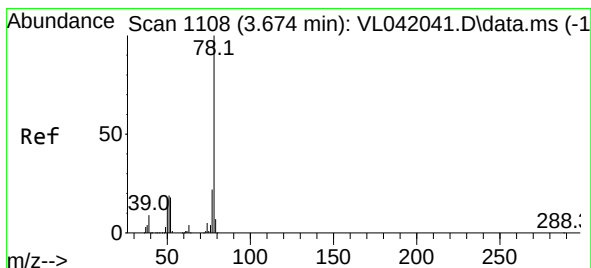
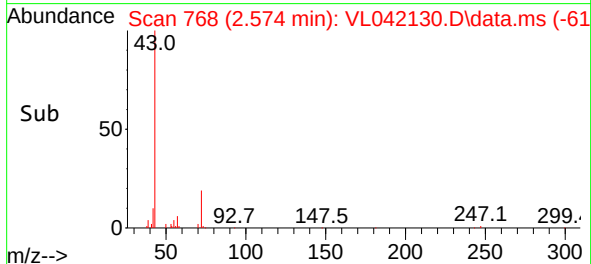
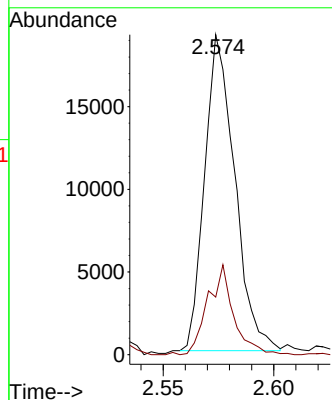
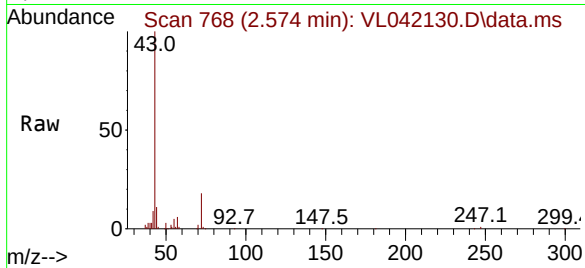




#34
2-Butanone
Concen: 0.596 ppbv
RT: 2.574 min Scan# 768
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

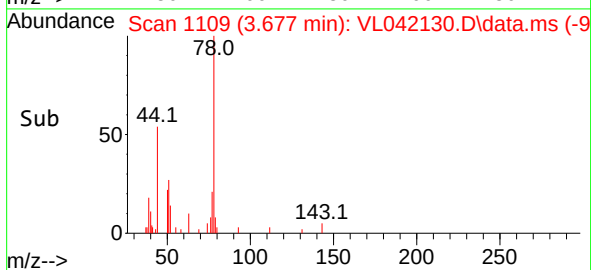
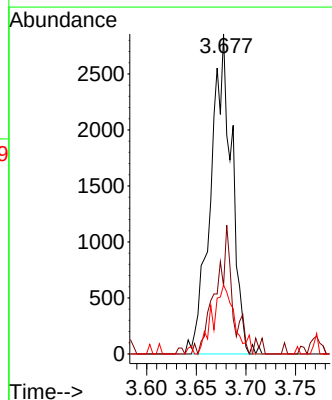
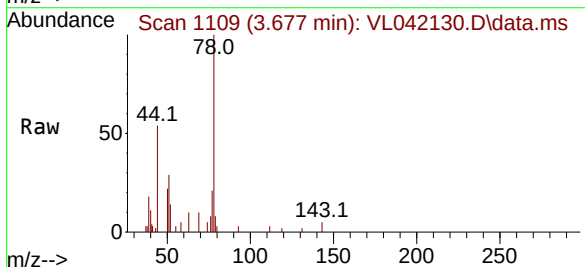
Instrument :
MSVOA_1
ClientSampleId :
SV1

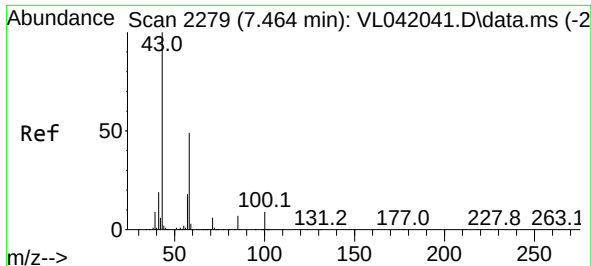
Tgt Ion: 43 Resp: 18077
Ion Ratio Lower Upper
43 100
72 24.9 18.5 27.7



#36
Benzene
Concen: 0.105 ppbv m
RT: 3.677 min Scan# 1109
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion: 78 Resp: 4261
Ion Ratio Lower Upper
78 100
77 21.3 17.7 26.5
50 21.5 13.9 20.9#

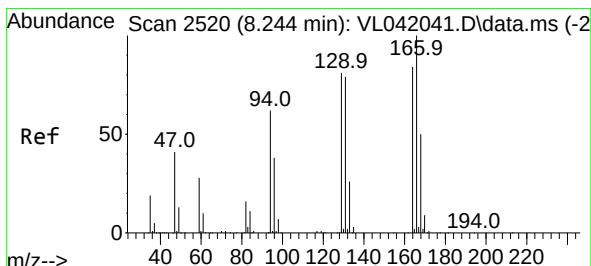
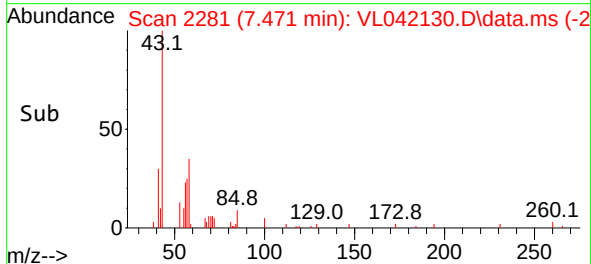
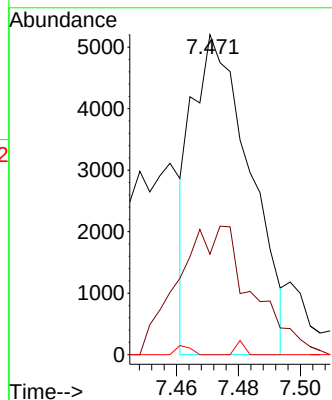
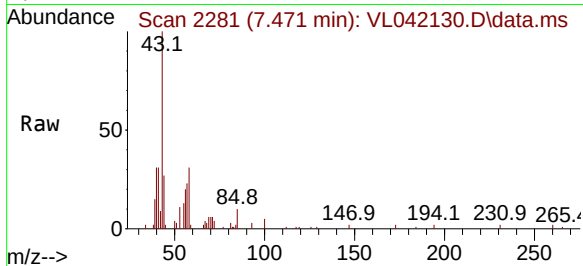




#51
2-Hexanone
Concen: 0.250 ppbv
RT: 7.471 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

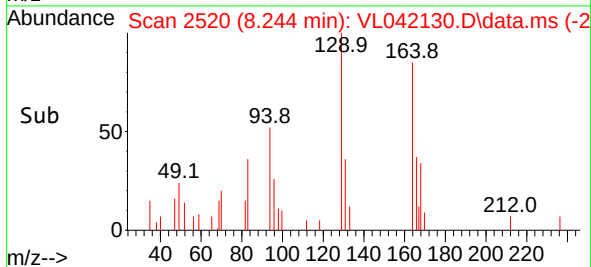
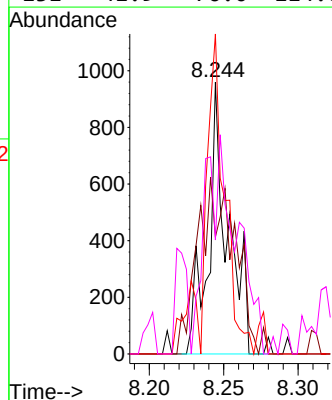
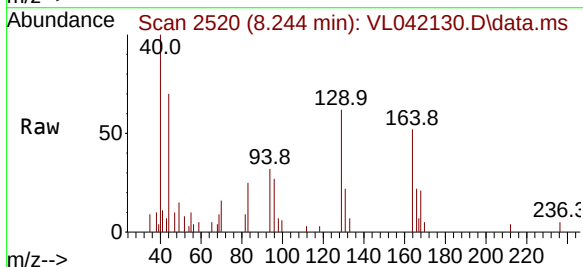
Instrument :
MSVOA_L
ClientSampleId :
SV1

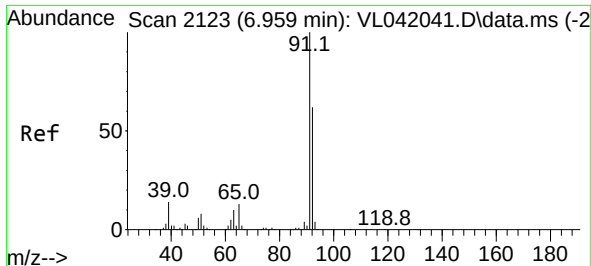
Tgt Ion: 43 Resp: 6741
Ion Ratio Lower Upper
43 100
58 52.8 39.0 58.6
98 1.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.063 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion: 164 Resp: 877
Ion Ratio Lower Upper
164 100
166 43.0 95.7 143.5#
129 117.7 77.1 115.7#
131 41.9 76.0 114.0#

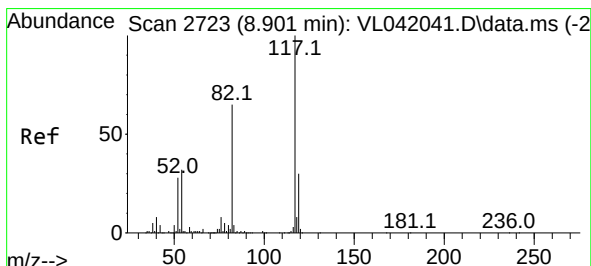
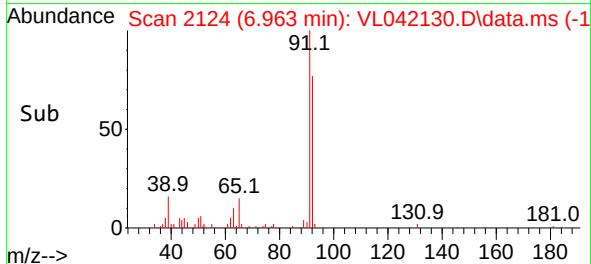
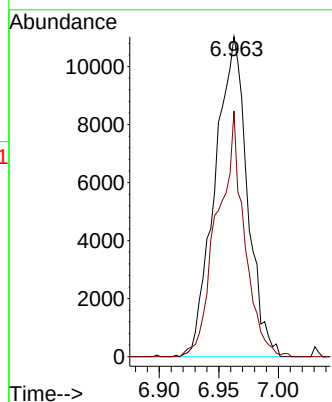
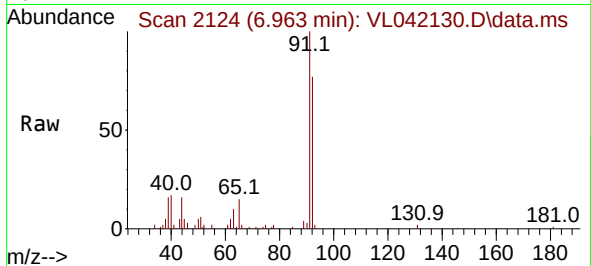




#53
Toluene
Concen: 0.459 ppbv
RT: 6.963 min Scan# 2123
Delta R.T. 0.004 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

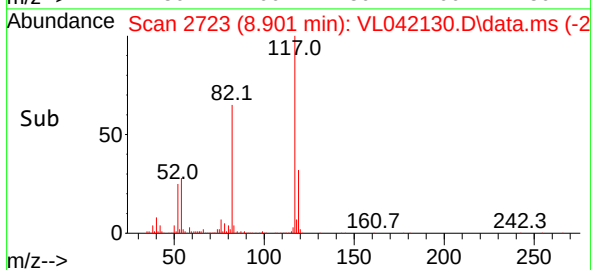
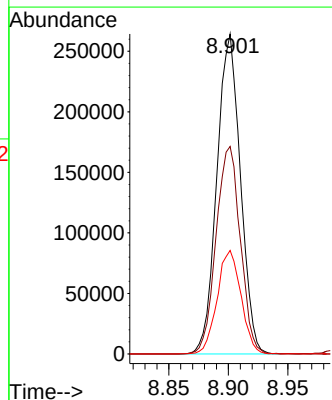
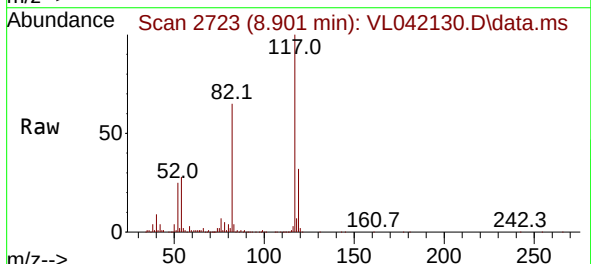
Instrument :
MSVOA_L
ClientSampleId :
SV1

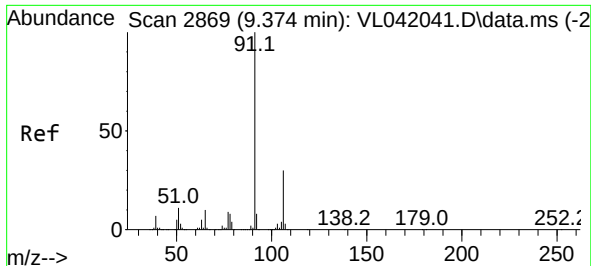
Tgt Ion: 91 Resp: 20904
Ion Ratio Lower Upper
91 100
92 63.8 49.0 73.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion: 117 Resp: 362933
Ion Ratio Lower Upper
117 100
82 66.7 55.0 82.6
119 32.8 25.9 38.9

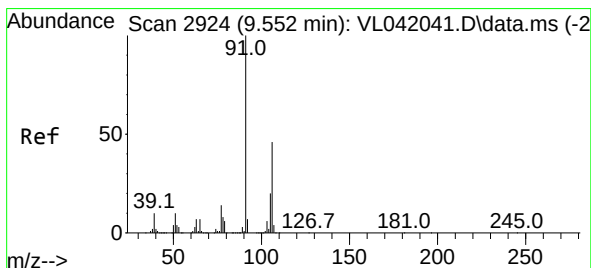
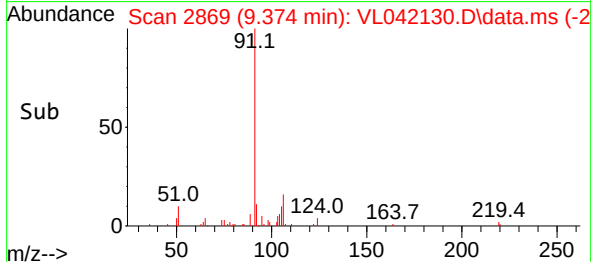
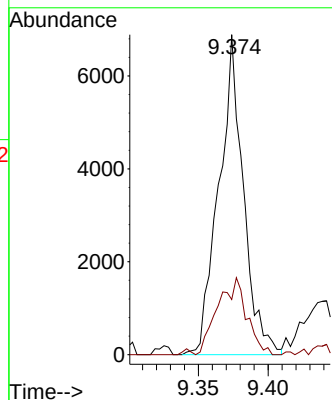
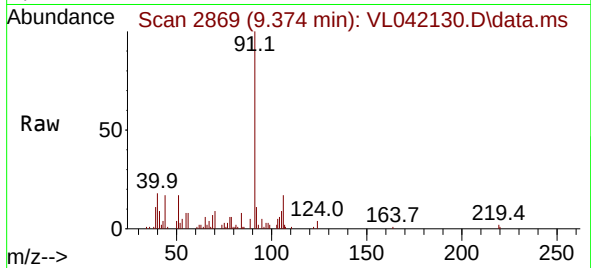




#58
Ethyl Benzene
Concen: 0.126 ppbv m
RT: 9.374 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

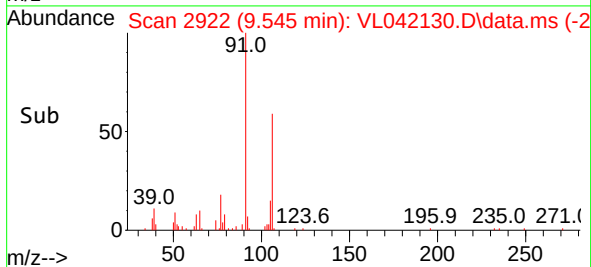
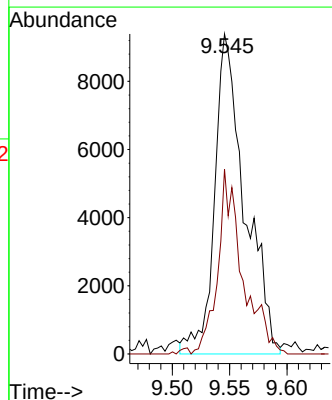
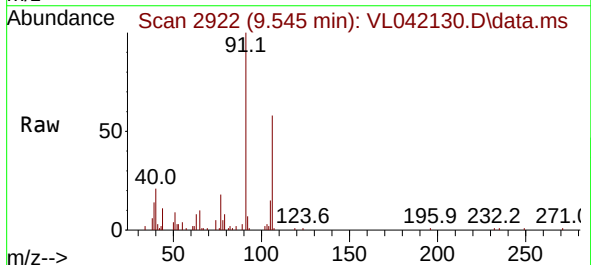
Instrument :
MSVOA_L
ClientSampleId :
SV1

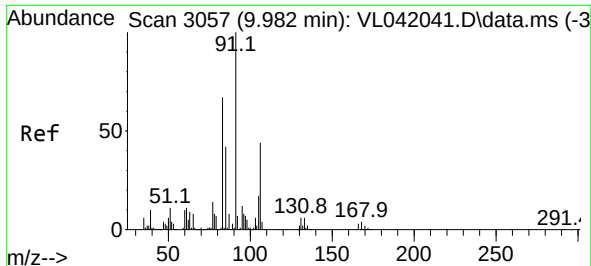
Tgt Ion: 91 Resp: 8439
Ion Ratio Lower Upper
91 100
106 17.2 24.2 36.2#



#59
m/p-Xylene
Concen: 0.323 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.006 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion: 91 Resp: 17181
Ion Ratio Lower Upper
91 100
106 47.6 0.0 0.0#

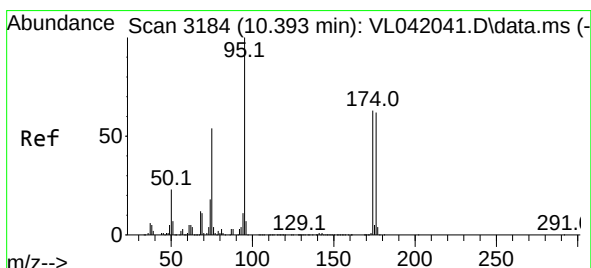
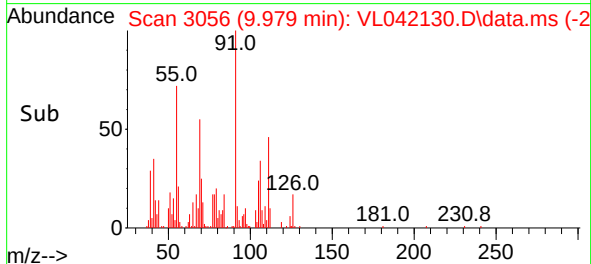
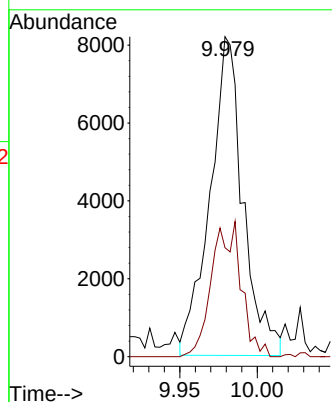
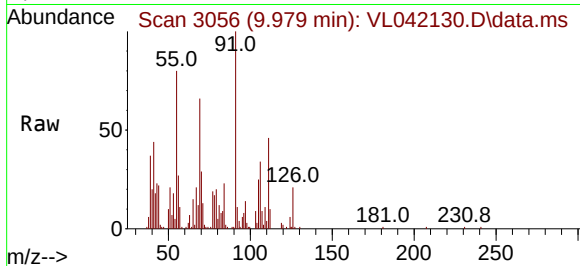




#60
o-Xylene
Concen: 0.227 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 12149
Ion Ratio Lower Upper
91 100
106 37.5 22.3 66.8



#68
1-Bromo-4-Fluorobenzene
Concen: 11.176 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL042130.D
Acq: 10 Mar 2025 17:52

Tgt Ion: 95 Resp: 312050
Ion Ratio Lower Upper
95 100
174 62.4 51.8 77.6
175 4.4 3.9 5.9

