

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042133.D
 Acq On : 10 Mar 2025 19:30
 Operator : SY/MD
 Sample : Q1533-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Quant Time: Mar 11 01:29:51 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)

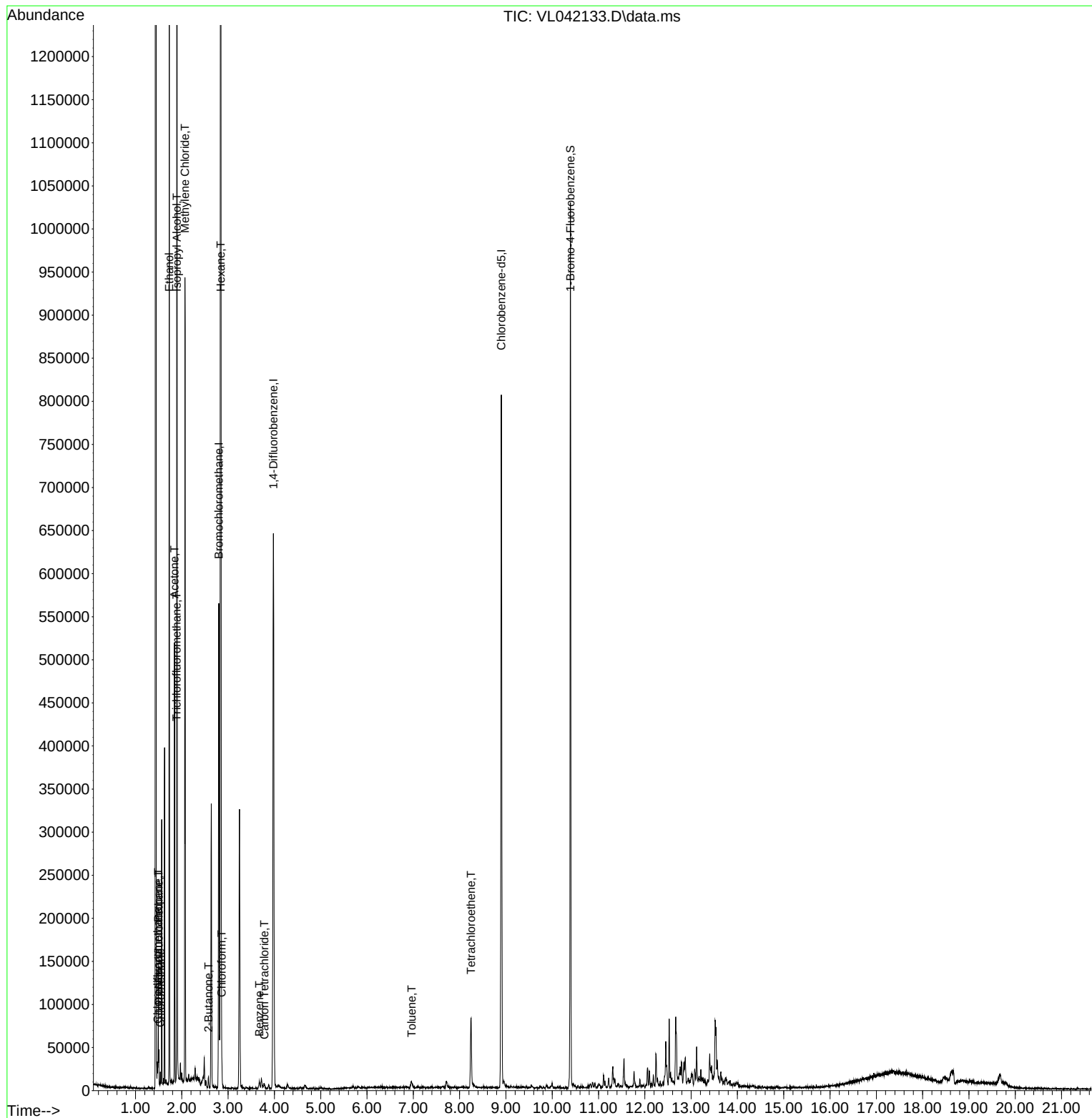
Internal Standards						
1) Bromochloromethane	2.800	49	163450	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	382061	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	315801	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	243680	10.030	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9485	0.558	ppbv	97
3) Chlorodifluoromethane	1.479	51	5670m	0.239	ppbv	
4) Chloromethane	1.538	50	4223	0.672	ppbv	89
9) Propene	1.492	41	8866m	0.916	ppbv	
11) Trichlorofluoromethane	1.887	101	4547	0.267	ppbv	91
13) Ethanol	1.729	45	416869	678.556	ppbv	93
15) Acetone	1.842	43	211093	14.624	ppbv	99
19) Isopropyl Alcohol	1.894	45	931851	112.388	ppbv #	33
20) Methylene Chloride	2.068	84	141522	25.920	ppbv	98
26) Hexane	2.839	57	555187	23.769	ppbv #	34
29) Chloroform	2.861	83	11915	0.379	ppbv	99
34) 2-Butanone	2.577	43	7802	0.262	ppbv	100
35) Carbon Tetrachloride	3.781	117	1808m	0.069	ppbv	
36) Benzene	3.674	78	4877	0.122	ppbv #	84
52) Tetrachloroethene	8.244	164	15231m	1.112	ppbv	
53) Toluene	6.962	91	4562m	0.102	ppbv	

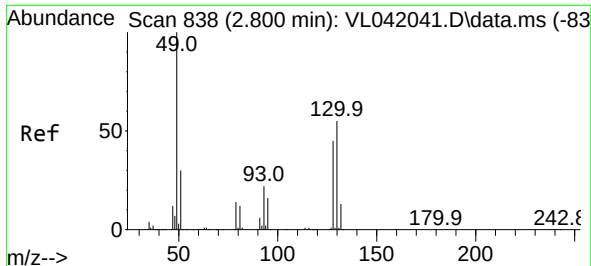
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
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Response via : Initial Calibration

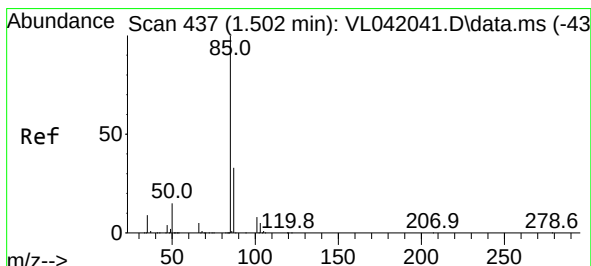
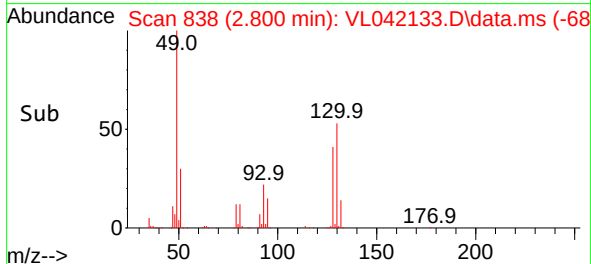
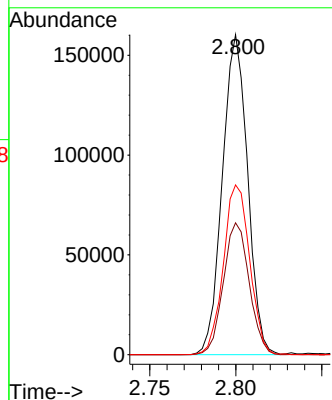
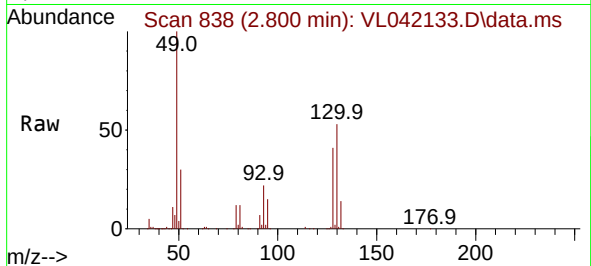




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

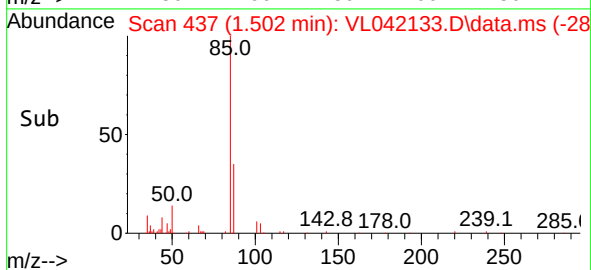
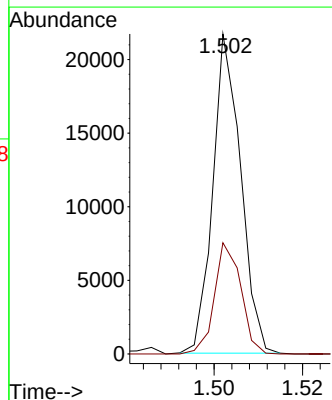
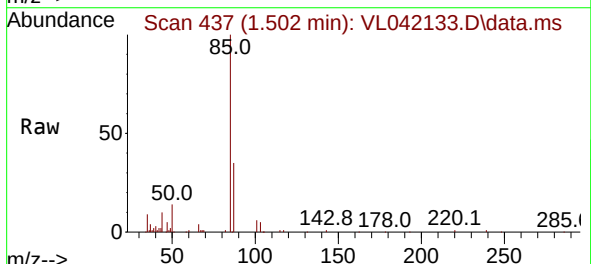
Instrument :
MSVOA_L
ClientSampleId :
IA2

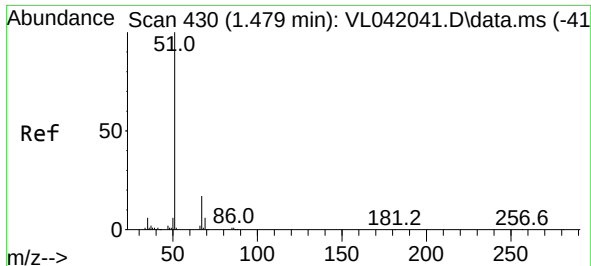
Tgt Ion: 49 Resp: 163450
Ion Ratio Lower Upper
49 100
128 42.2 21.6 64.8
130 55.5 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.558 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Tgt Ion: 85 Resp: 9485
Ion Ratio Lower Upper
85 100
87 34.8 26.4 39.6

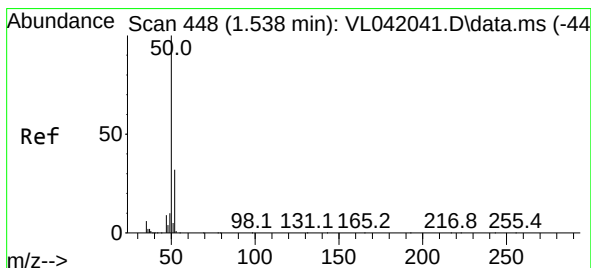
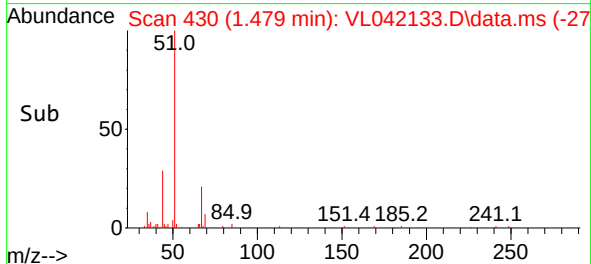
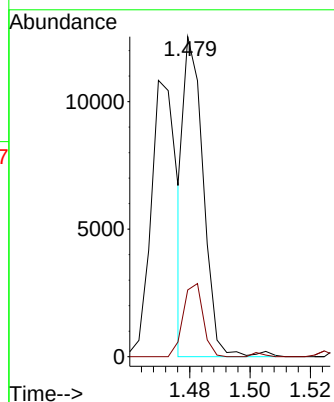
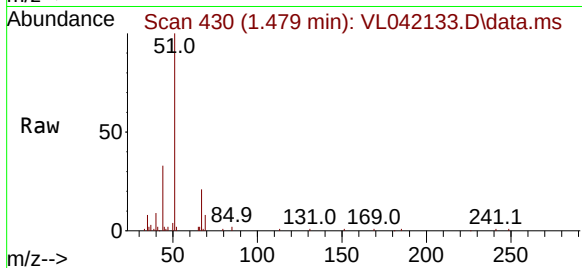




#3
Chlorodifluoromethane
Concen: 0.239 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

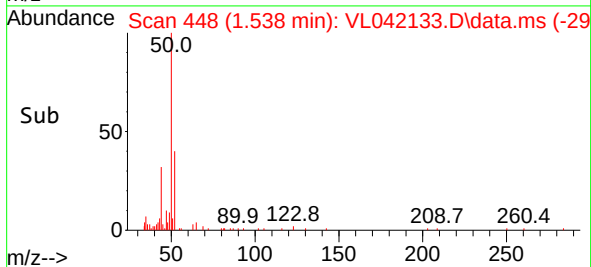
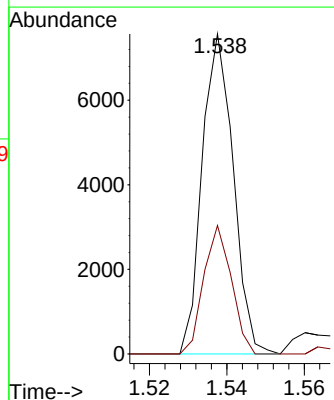
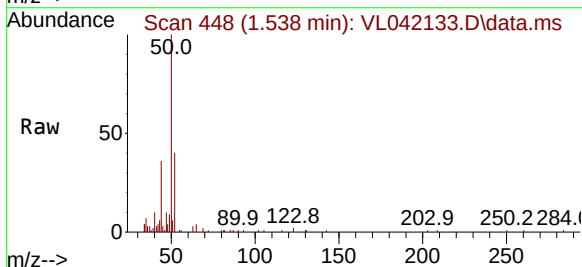
Instrument :
MSVOA_L
ClientSampleId :
IA2

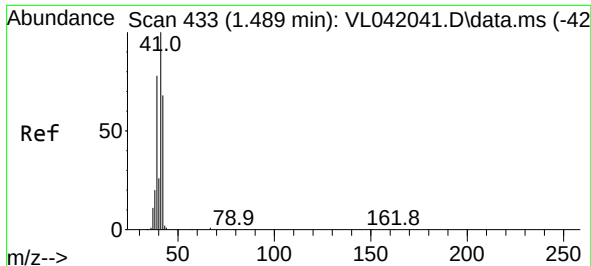
Tgt Ion: 51 Resp: 5670
Ion Ratio Lower Upper
51 100
67 24.0 13.7 20.5#



#4
Chloromethane
Concen: 0.672 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Tgt Ion: 50 Resp: 4223
Ion Ratio Lower Upper
50 100
52 38.0 25.4 38.0





#9

Propene

Concen: 0.916 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042133.D

Acq: 10 Mar 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

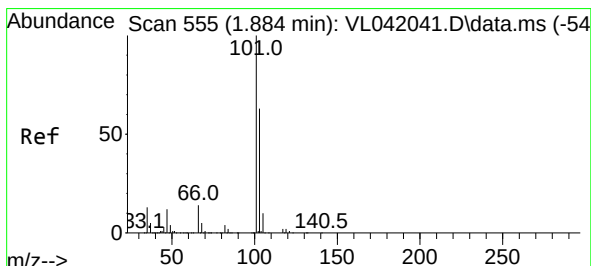
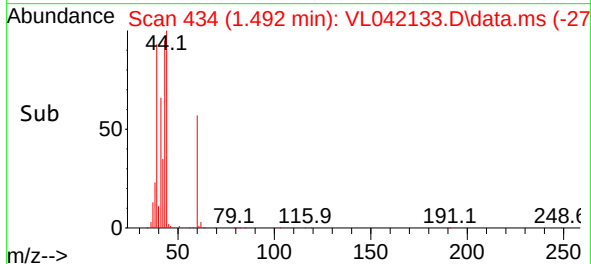
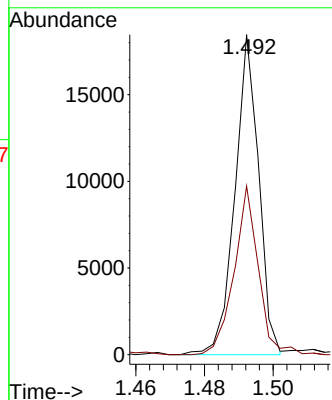
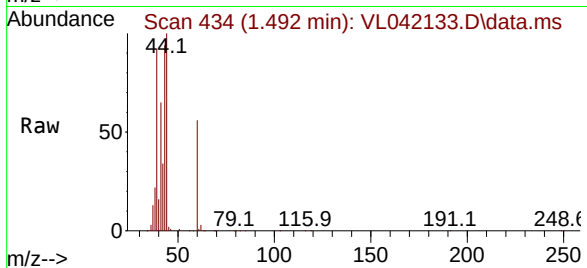
IA2

Tgt Ion: 41 Resp: 8866

Ion Ratio Lower Upper

41 100

42 98.7 55.8 83.6#



#11

Trichlorofluoromethane

Concen: 0.267 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042133.D

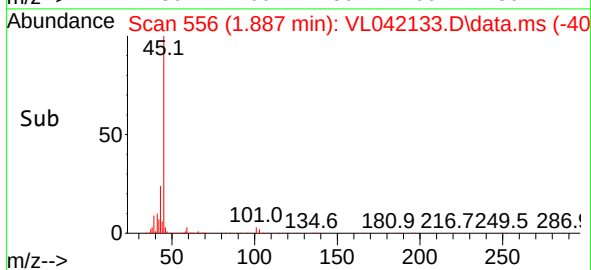
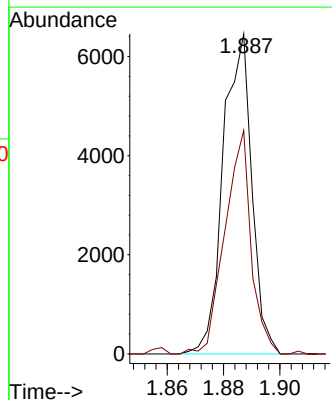
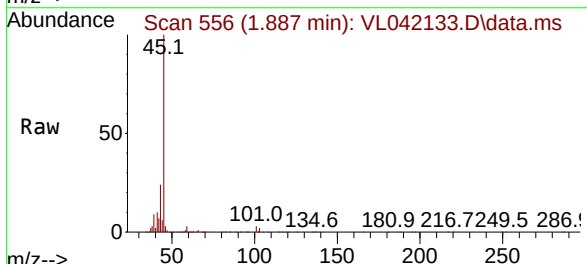
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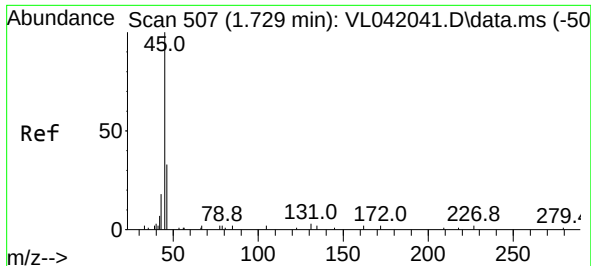
Tgt Ion: 101 Resp: 4547

Ion Ratio Lower Upper

101 100

103 69.8 50.6 75.8

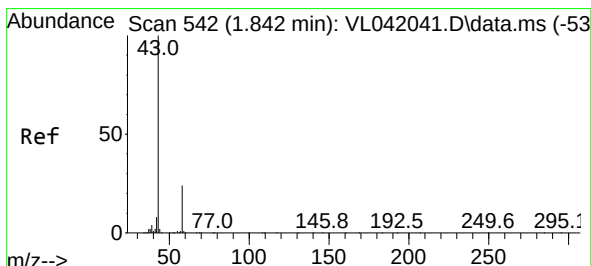
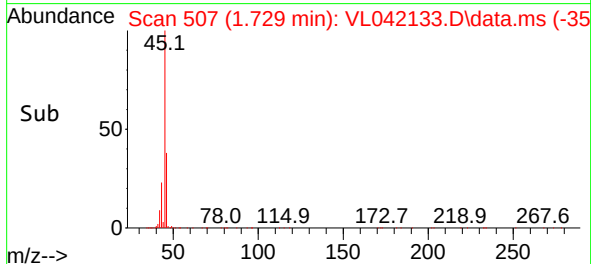
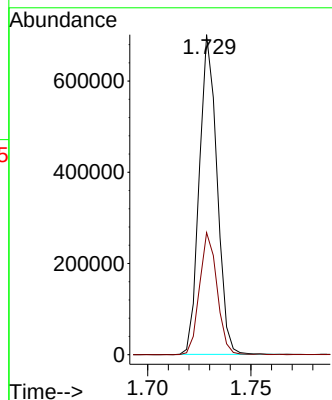
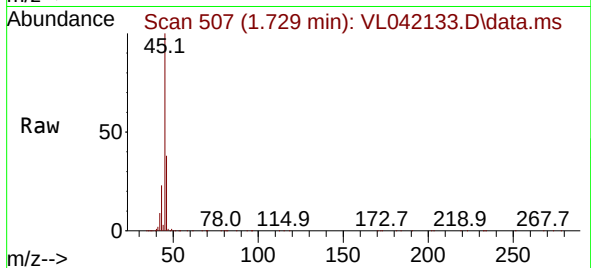




#13
Ethanol
Concen: 678.556 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

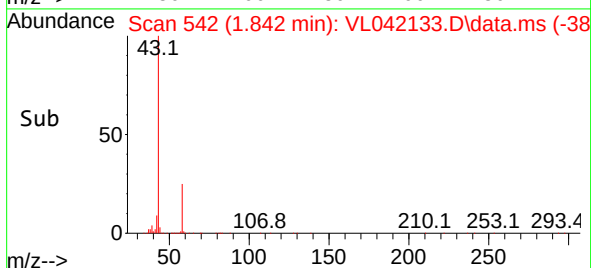
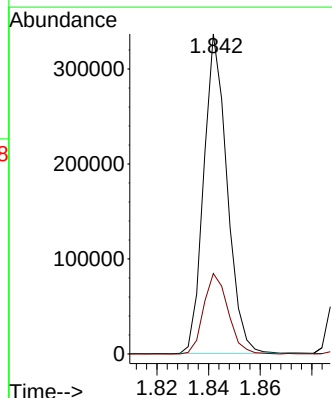
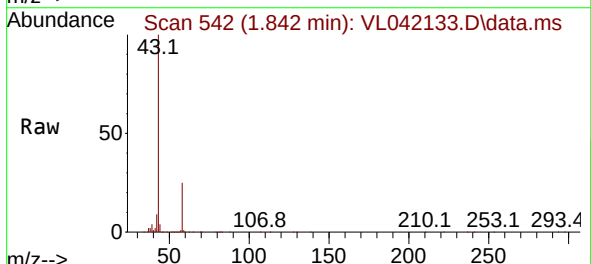
Instrument :
MSVOA_L
ClientSampleId :
IA2

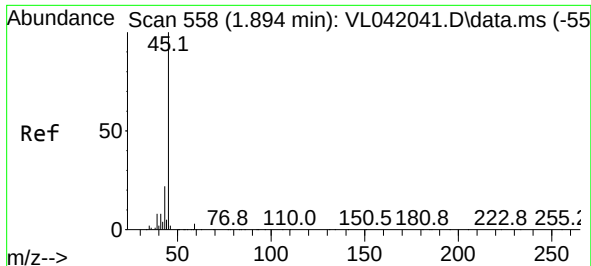
Tgt Ion: 45 Resp: 416869
Ion Ratio Lower Upper
45 100
46 38.1 17.1 68.3



#15
Acetone
Concen: 14.624 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Tgt Ion: 43 Resp: 211093
Ion Ratio Lower Upper
43 100
58 26.3 20.7 31.1

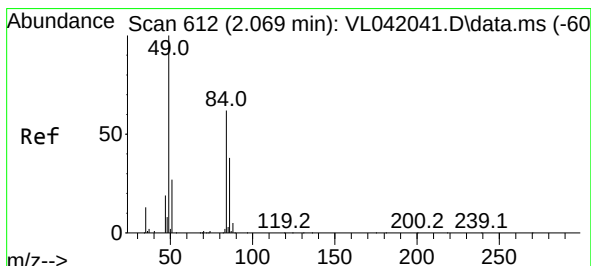
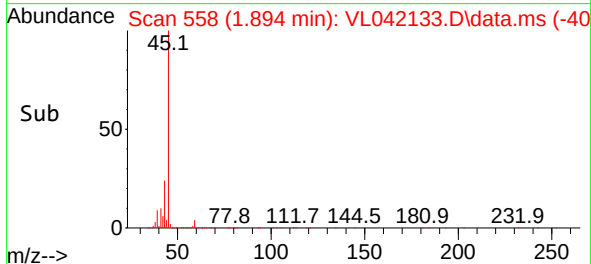
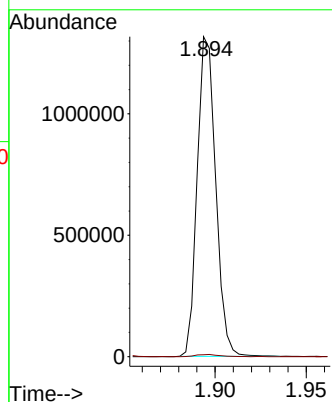
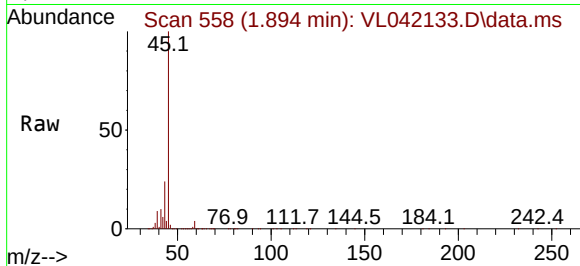




#19
Isopropyl Alcohol
Concen: 112.388 ppbv
RT: 1.894 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

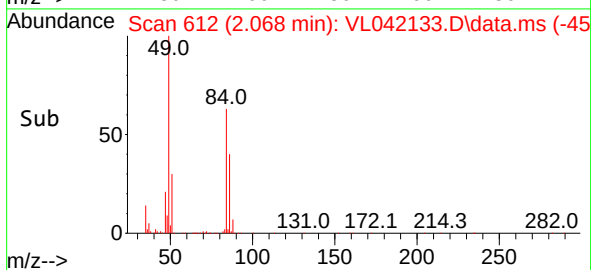
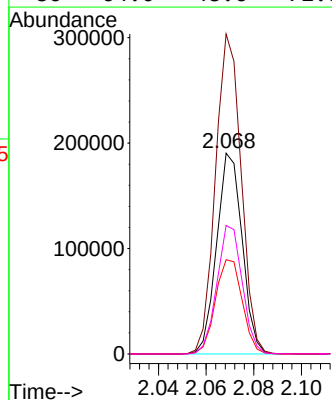
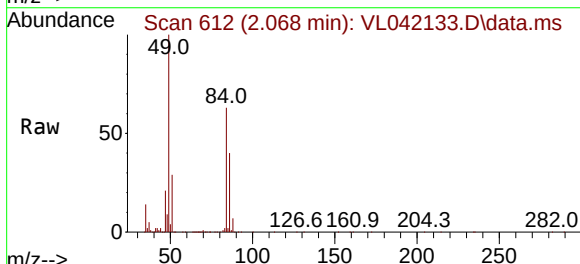
Instrument :
MSVOA_L
ClientSampleId :
IA2

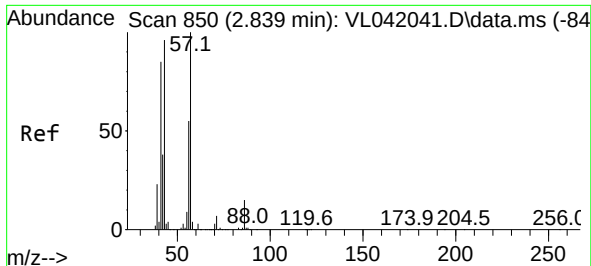
Tgt Ion: 45 Resp: 931851
Ion Ratio Lower Upper
45 100
58 0.9 35.3 52.9#



#20
Methylene Chloride
Concen: 25.920 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Tgt Ion: 84 Resp: 141522
Ion Ratio Lower Upper
84 100
49 159.3 130.0 195.0
51 46.9 37.4 56.0
86 64.0 48.6 72.8

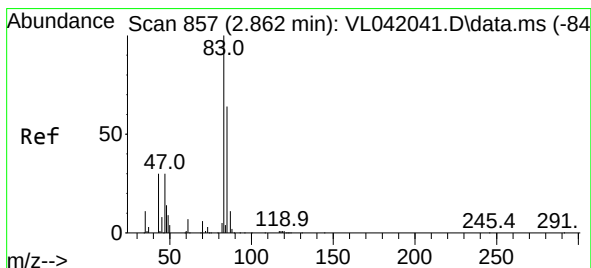
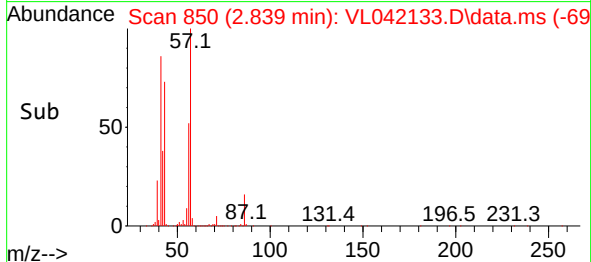
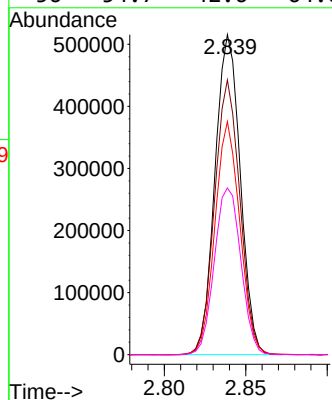
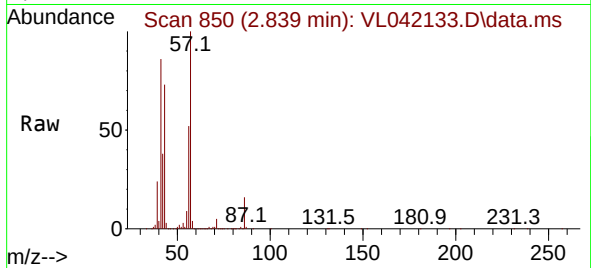




#26
Hexane
Concen: 23.769 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

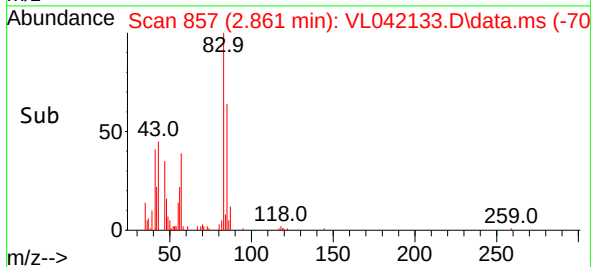
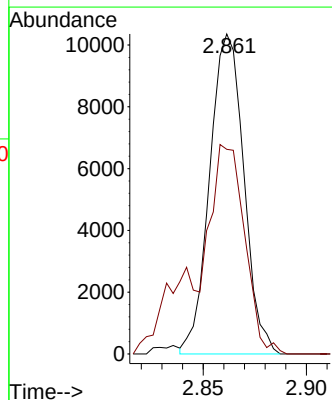
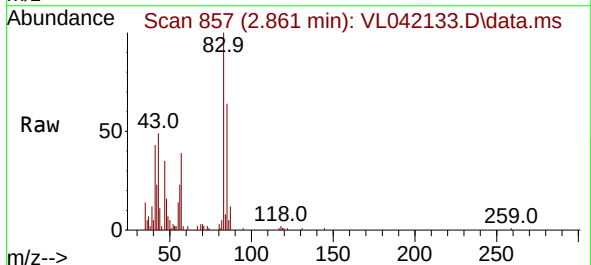
Instrument :
MSVOA_L
ClientSampleId :
IA2

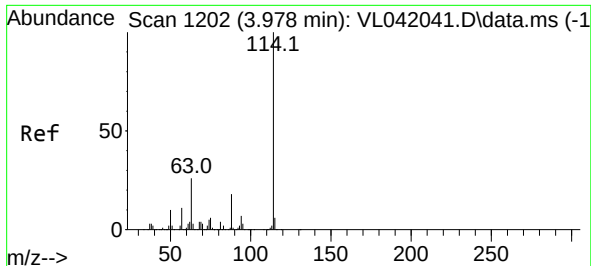
Tgt Ion: 57 Resp: 555187
Ion Ratio Lower Upper
57 100
41 86.4 70.6 106.0
43 71.9 199.4 299.0#
56 54.7 42.6 64.0



#29
Chloroform
Concen: 0.379 ppbv
RT: 2.861 min Scan# 857
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Tgt Ion: 83 Resp: 11915
Ion Ratio Lower Upper
83 100
85 62.9 51.2 76.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042133.D

Acq: 10 Mar 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

IA2

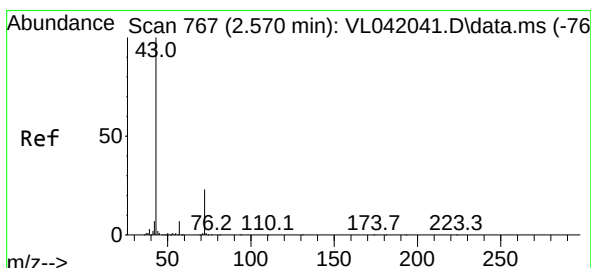
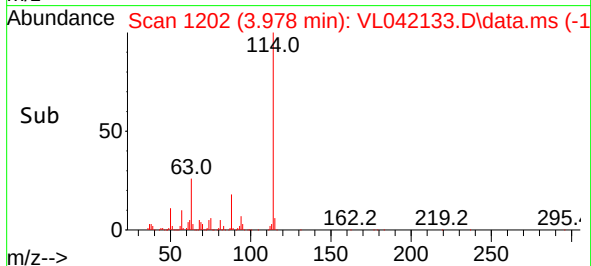
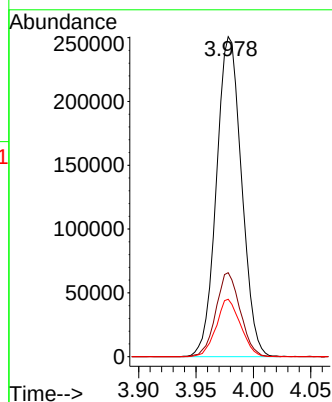
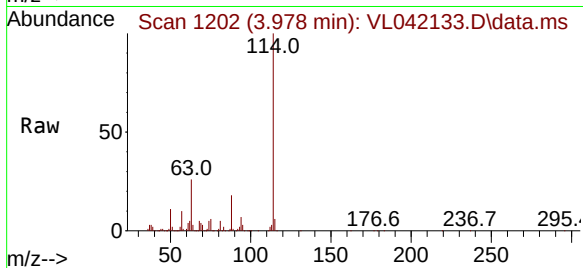
Tgt Ion:114 Resp: 382061

Ion Ratio Lower Upper

114 100

63 25.6 20.1 30.1

88 17.4 14.3 21.5



#34

2-Butanone

Concen: 0.262 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.006 min

Lab File: VL042133.D

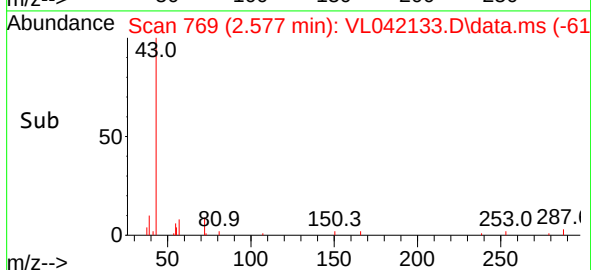
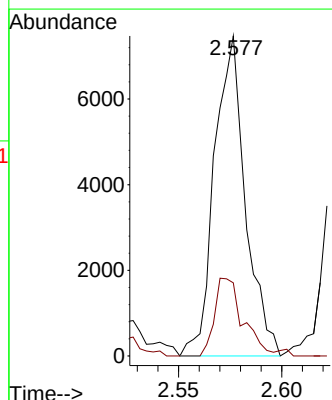
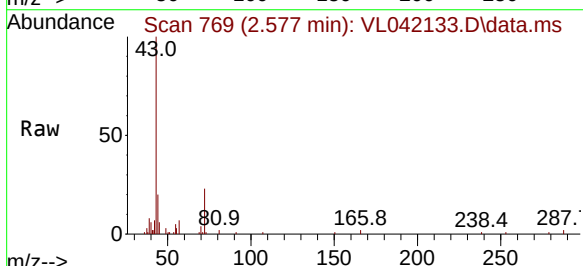
Acq: 10 Mar 2025 19:30

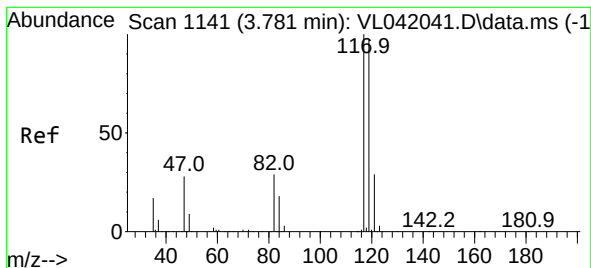
Tgt Ion: 43 Resp: 7802

Ion Ratio Lower Upper

43 100

72 22.9 18.5 27.7





#35

Carbon Tetrachloride

Concen: 0.069 ppbv m

RT: 3.781 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VL042133.D

Acq: 10 Mar 2025 19:30

Instrument :

MSVOA_L

ClientSampleId :

IA2

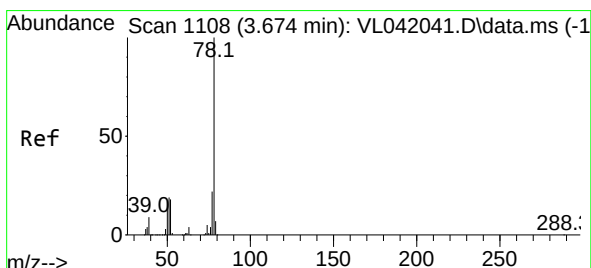
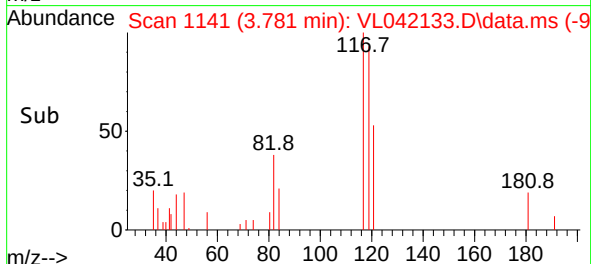
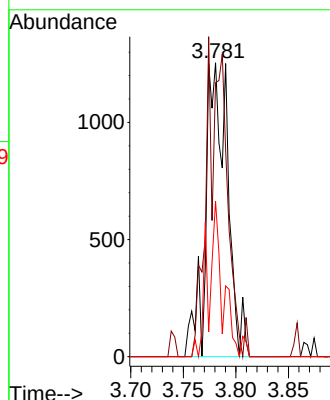
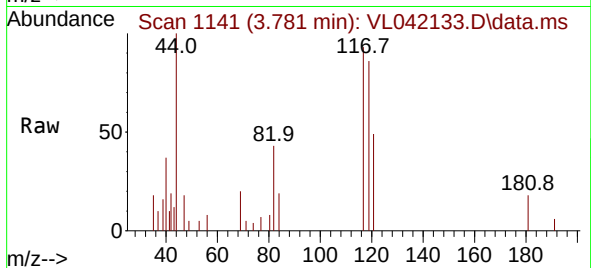
Tgt Ion:117 Resp: 1808

Ion Ratio Lower Upper

117 100

119 93.2 77.8 116.8

121 52.9 23.4 35.0#



#36

Benzene

Concen: 0.122 ppbv

RT: 3.674 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VL042133.D

Acq: 10 Mar 2025 19:30

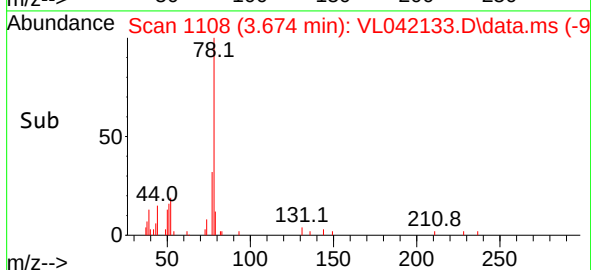
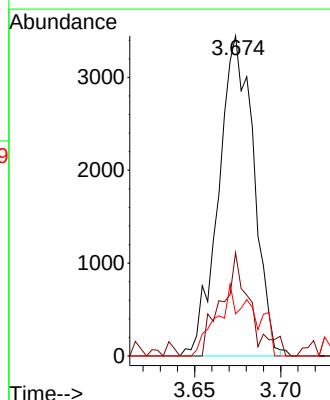
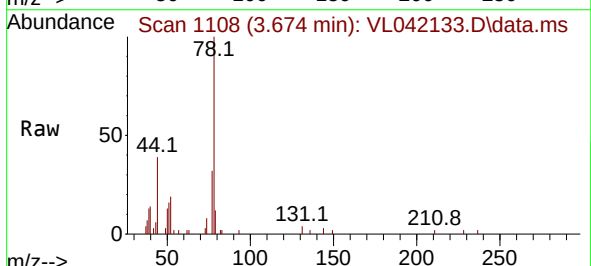
Tgt Ion: 78 Resp: 4877

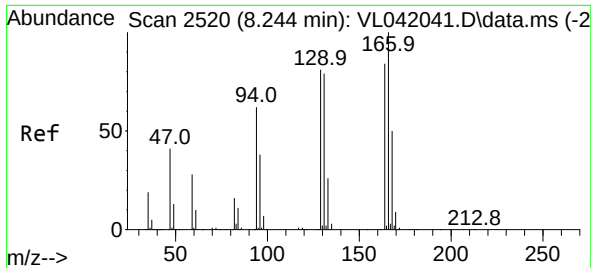
Ion Ratio Lower Upper

78 100

77 32.3 17.7 26.5#

50 13.1 13.9 20.9#

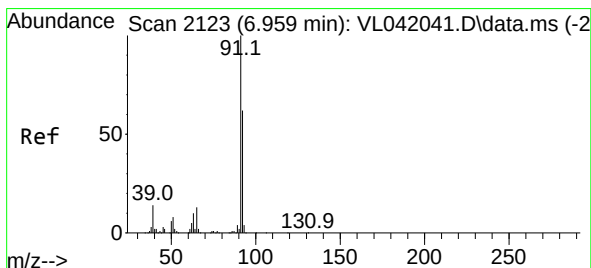
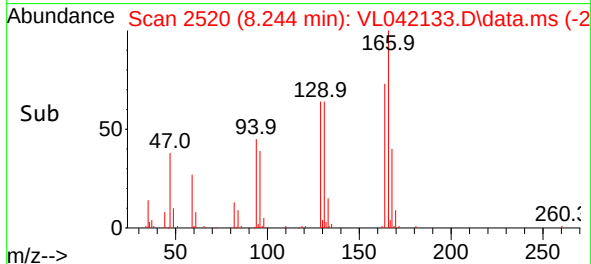
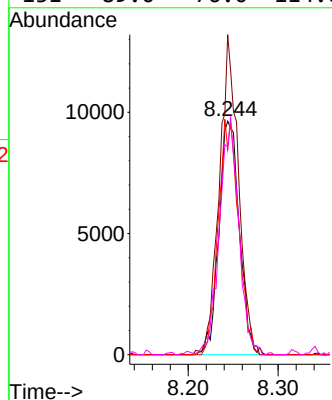
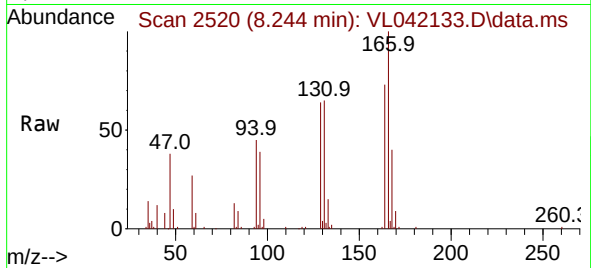




#52
Tetrachloroethene
Concen: 1.112 ppbv m
RT: 8.244 min Scan# 2124
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

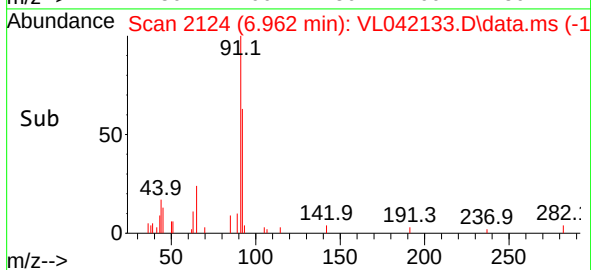
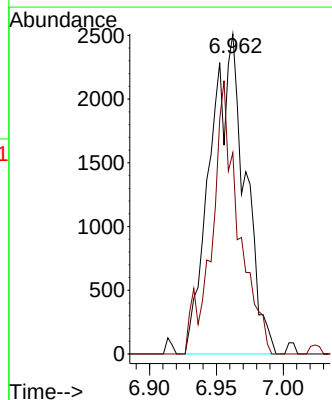
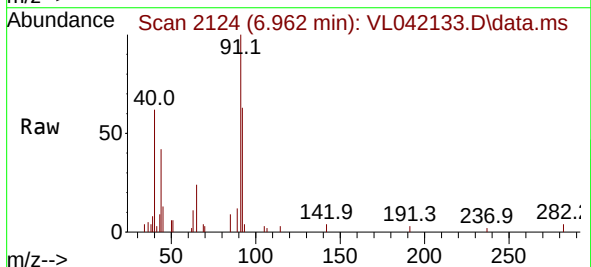
Instrument :
MSVOA_L
ClientSampleId :
IA2

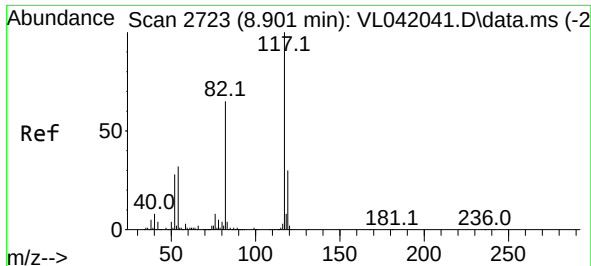
Tgt Ion:164 Resp: 15231
Ion Ratio Lower Upper
164 100
166 137.1 95.7 143.5
129 87.9 77.1 115.7
131 89.0 76.0 114.0



#53
Toluene
Concen: 0.102 ppbv m
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Tgt Ion: 91 Resp: 4562
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6#

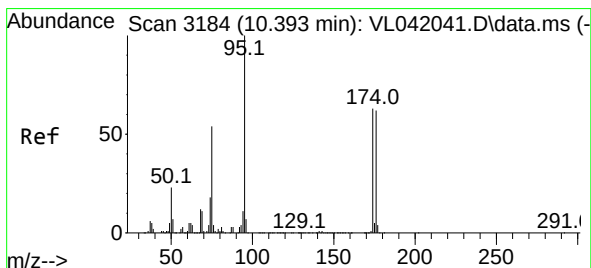
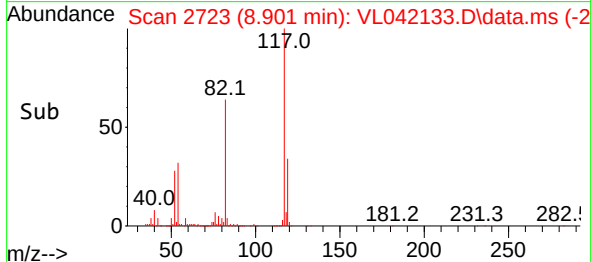
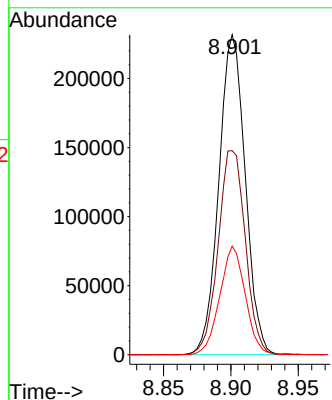
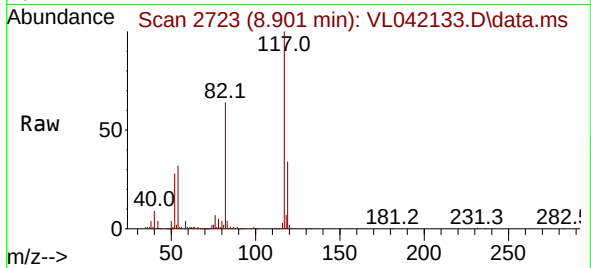




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 117 Resp: 315801
Ion Ratio Lower Upper
117 100
82 65.9 55.0 82.6
119 32.7 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.030 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042133.D
Acq: 10 Mar 2025 19:30

Tgt Ion: 95 Resp: 243680
Ion Ratio Lower Upper
95 100
174 63.7 51.8 77.6
175 4.6 3.9 5.9

