

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042134.D
 Acq On : 10 Mar 2025 20:03
 Operator : SY/MD
 Sample : Q1533-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Mar 11 01:30:29 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

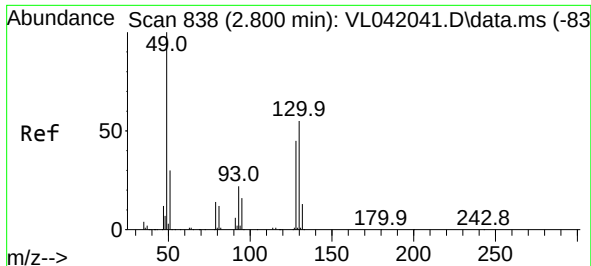
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	159732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	372131	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	309256	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	240649	10.115	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9840	0.592	ppbv	97
3) Chlorodifluoromethane	1.479	51	6445m	0.278	ppbv	
4) Chloromethane	1.538	50	3561	0.580	ppbv	90
9) Propene	1.492	41	4059	0.429	ppbv	83
11) Trichlorofluoromethane	1.884	101	4364m	0.262	ppbv	
13) Ethanol	1.729	45	14287	23.797	ppbv	93
15) Acetone	1.842	43	74138	5.256	ppbv	99
20) Methylene Chloride	2.068	84	41194	7.720	ppbv	95
26) Hexane	2.839	57	64539	2.827	ppbv #	33
34) 2-Butanone	2.577	43	4611	0.159	ppbv	99
35) Carbon Tetrachloride	3.787	117	1755m	0.068	ppbv	
52) Tetrachloroethene	8.241	164	453m	0.034	ppbv	

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

Quant Time: Mar 11 01:30:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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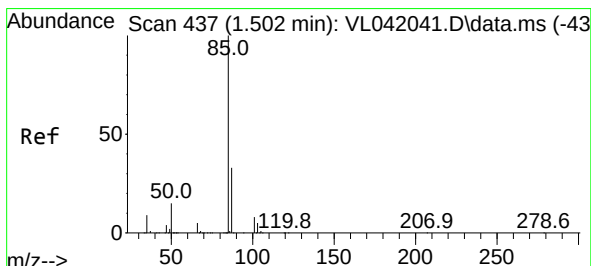
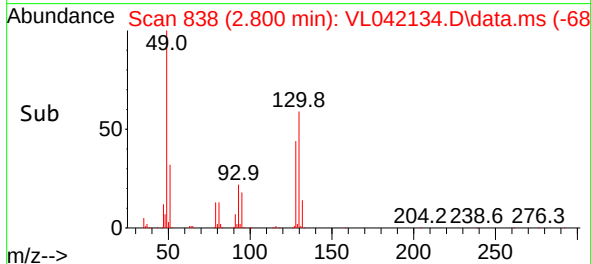
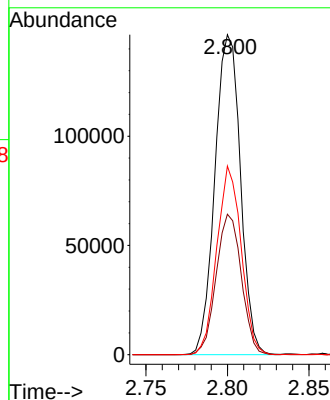
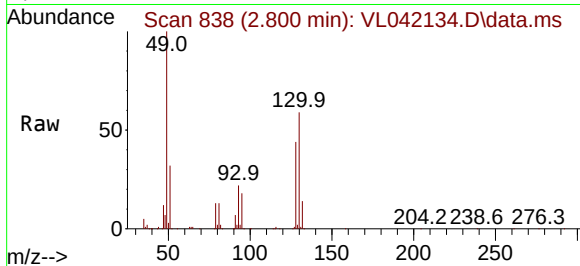




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

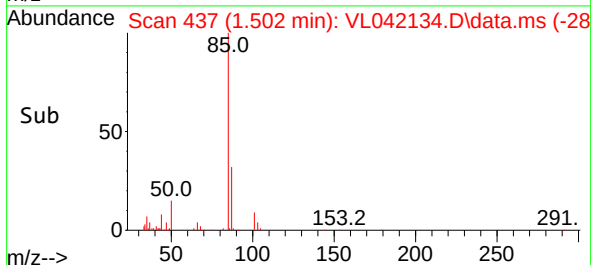
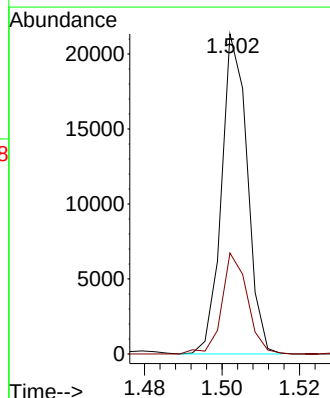
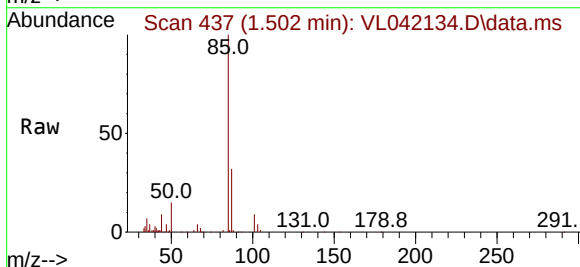
Instrument :
MSVOA_L
ClientSampleId :
OA1

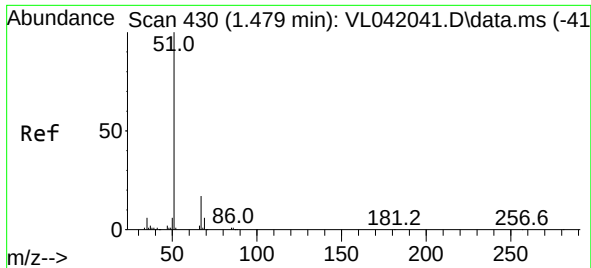
Tgt Ion: 49 Resp: 159732
Ion Ratio Lower Upper
49 100
128 43.2 21.6 64.8
130 56.2 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.592 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

Tgt Ion: 85 Resp: 9840
Ion Ratio Lower Upper
85 100
87 31.6 26.4 39.6

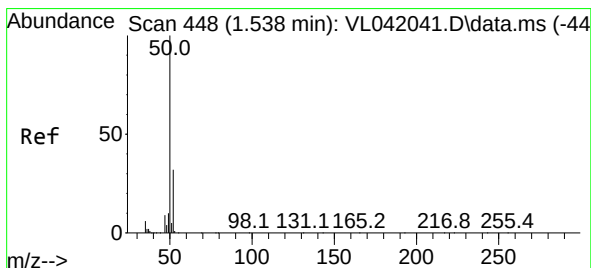
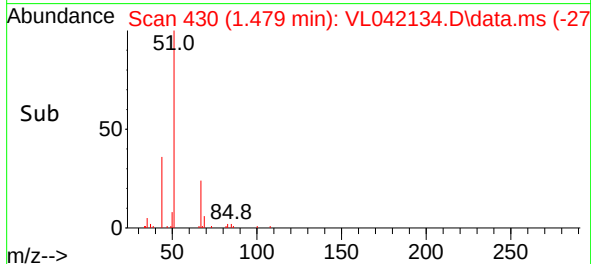
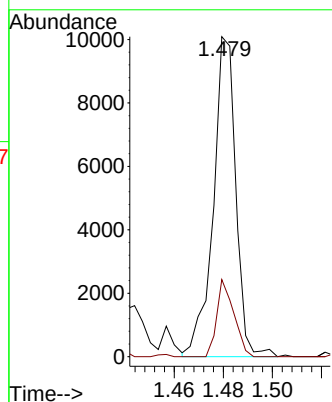
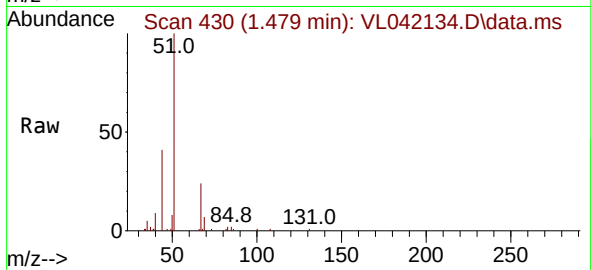




#3
Chlorodifluoromethane
Concen: 0.278 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

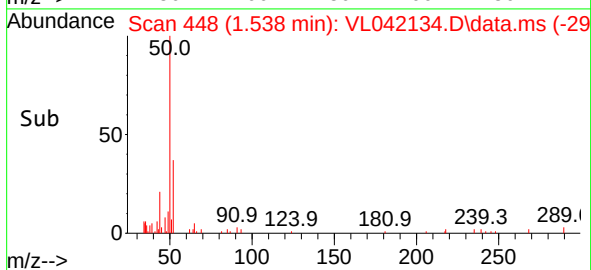
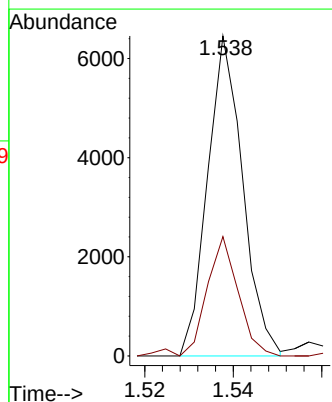
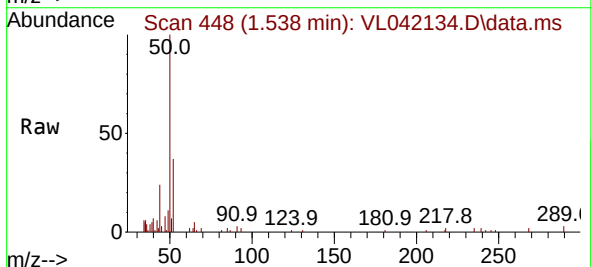
Instrument :
MSVOA_L
ClientSampleId :
OA1

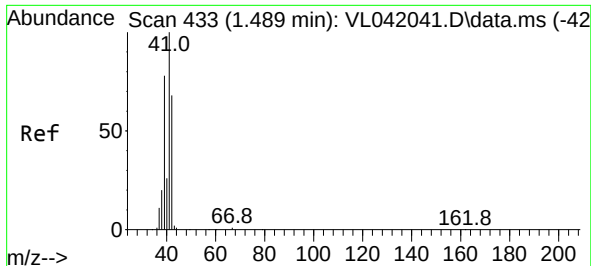
Tgt Ion: 51 Resp: 6445
Ion Ratio Lower Upper
51 100
67 18.6 13.7 20.5



#4
Chloromethane
Concen: 0.580 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

Tgt Ion: 50 Resp: 3561
Ion Ratio Lower Upper
50 100
52 37.3 25.4 38.0





#9

Propene

Concen: 0.429 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042134.D

Acq: 10 Mar 2025 20:03

Instrument :

MSVOA_L

ClientSampleId :

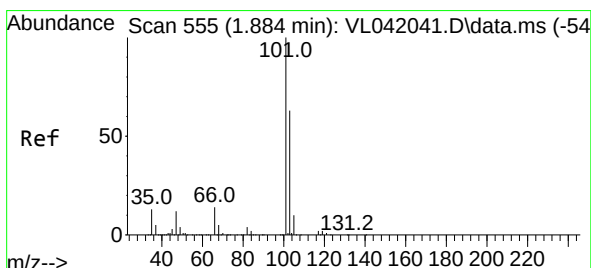
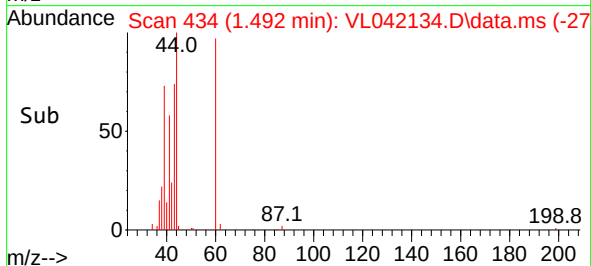
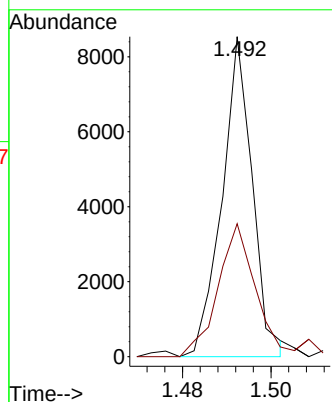
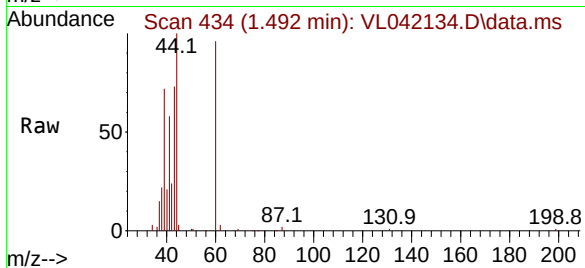
OA1

Tgt Ion: 41 Resp: 4059

Ion Ratio Lower Upper

41 100

42 56.2 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.262 ppbv m

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL042134.D

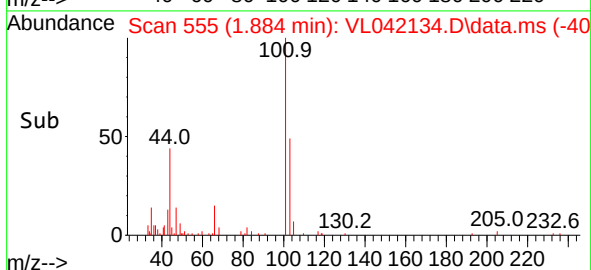
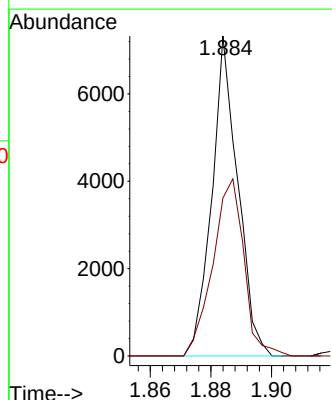
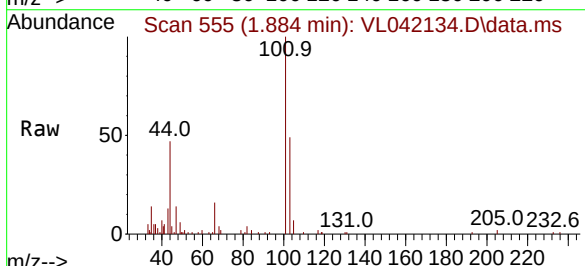
Acq: 10 Mar 2025 20:03

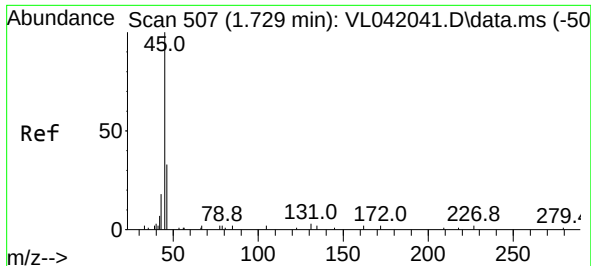
Tgt Ion:101 Resp: 4364

Ion Ratio Lower Upper

101 100

103 49.3 50.6 75.8#

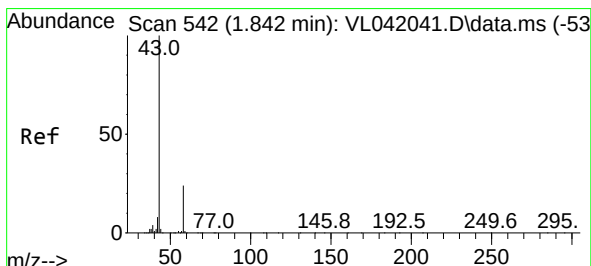
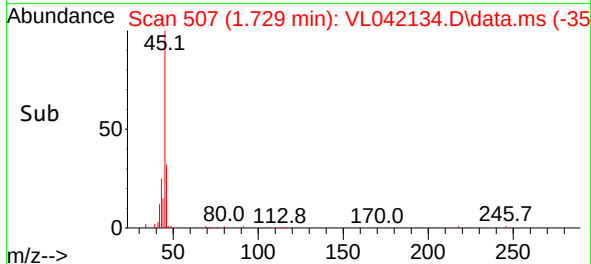
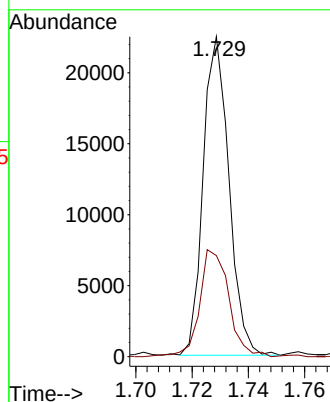
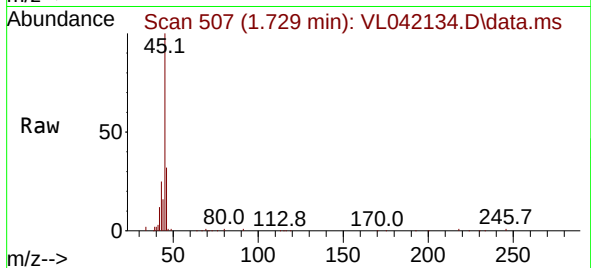




#13
Ethanol
Concen: 23.797 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

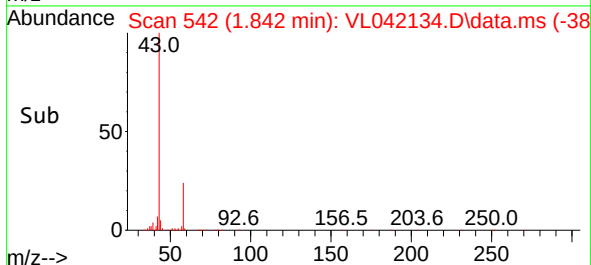
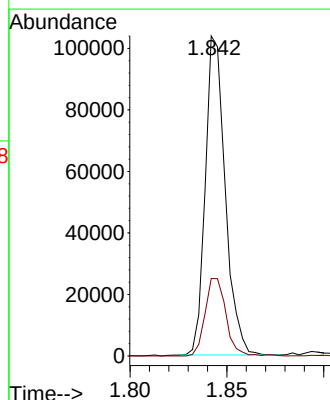
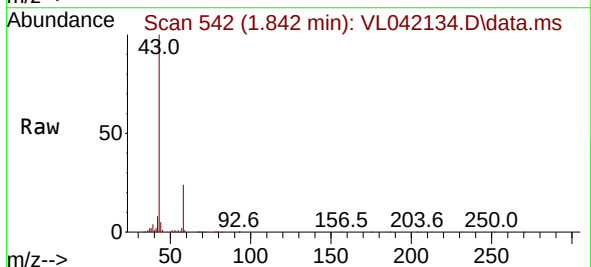
Instrument :
MSVOA_L
ClientSampleId :
OA1

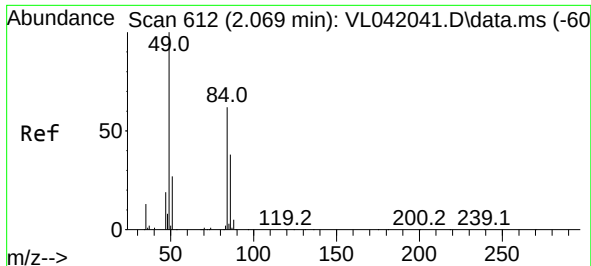
Tgt Ion: 45 Resp: 14287
Ion Ratio Lower Upper
45 100
46 38.3 17.1 68.3



#15
Acetone
Concen: 5.256 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

Tgt Ion: 43 Resp: 74138
Ion Ratio Lower Upper
43 100
58 25.6 20.7 31.1

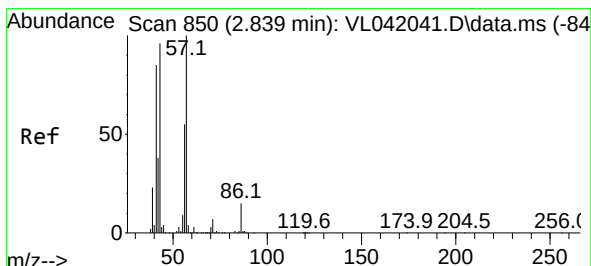
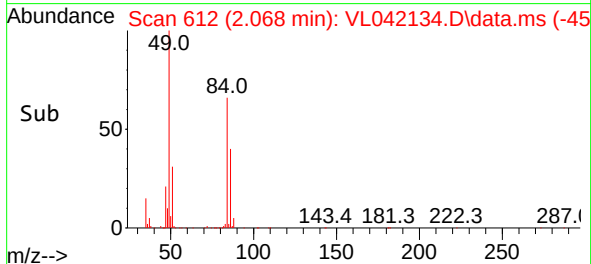
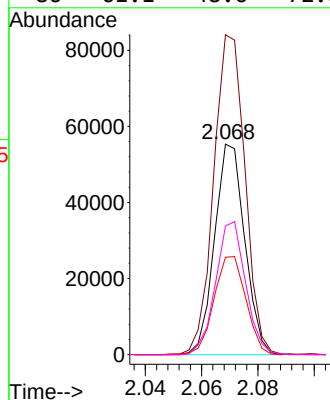
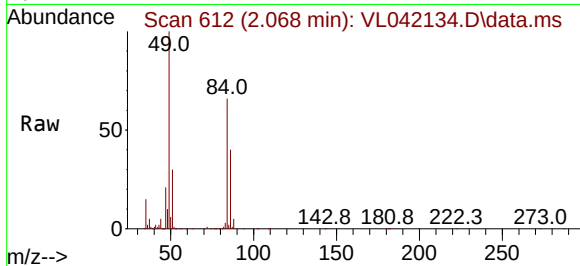




#20
Methylene Chloride
Concen: 7.720 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

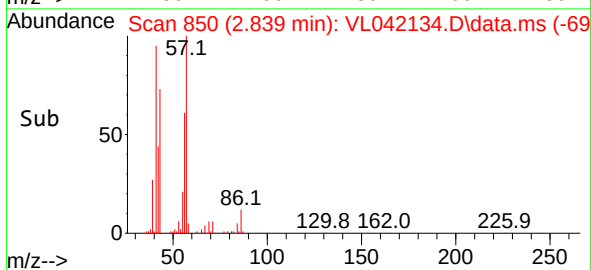
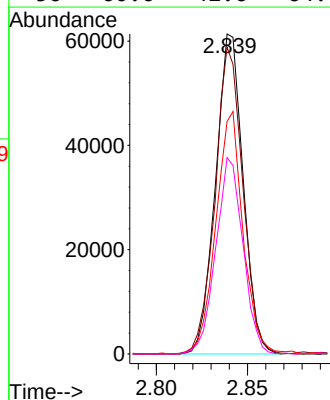
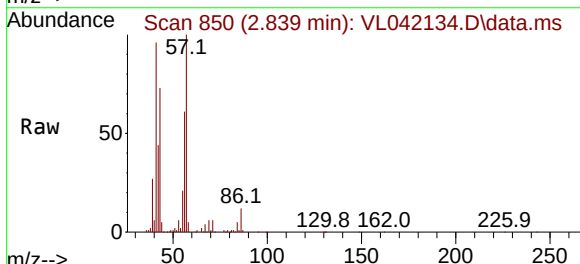
Instrument :
MSVOA_L
ClientSampleId :
OA1

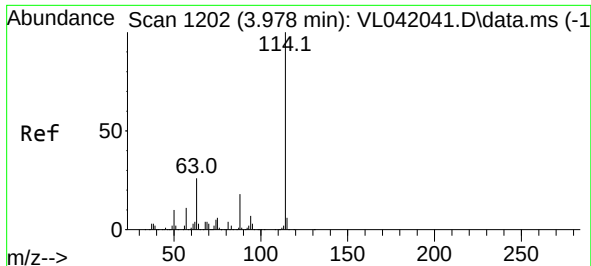
Tgt Ion: 84	Resp: 41194		
Ion	Ratio	Lower	Upper
84	100		
49	151.6	130.0	195.0
51	46.3	37.4	56.0
86	61.1	48.6	72.8



#26
Hexane
Concen: 2.827 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

Tgt Ion: 57	Resp: 64539
Ion Ratio	Lower Upper
57 100	
41 97.2	70.6 106.0
43 75.1	199.4 299.0#
56 60.6	42.6 64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL042134.D

Acq: 10 Mar 2025 20:03

Instrument :

MSVOA_L

ClientSampleId :

OA1

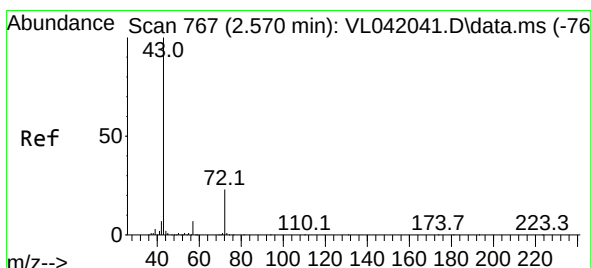
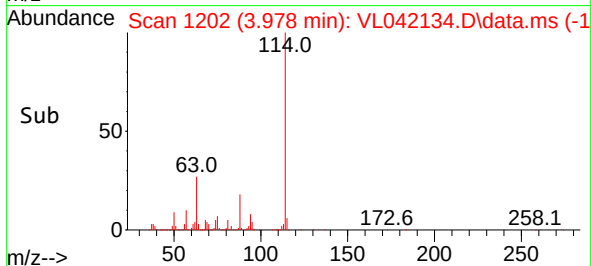
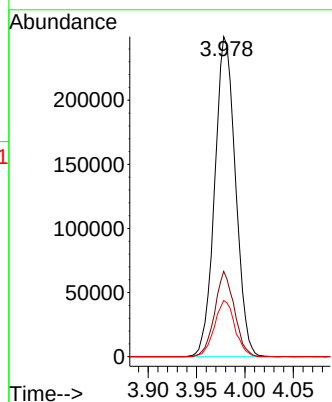
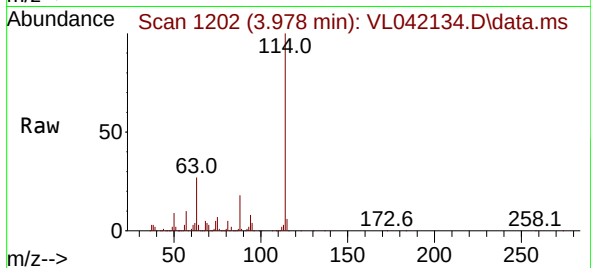
Tgt Ion:114 Resp: 372131

Ion Ratio Lower Upper

114 100

63 25.4 20.1 30.1

88 17.4 14.3 21.5



#34

2-Butanone

Concen: 0.159 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.006 min

Lab File: VL042134.D

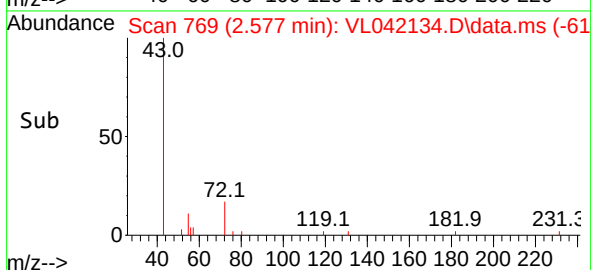
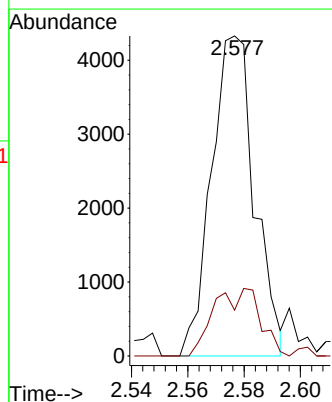
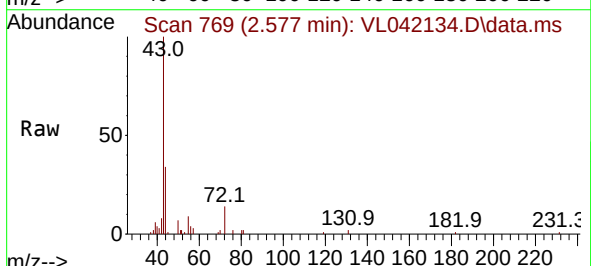
Acq: 10 Mar 2025 20:03

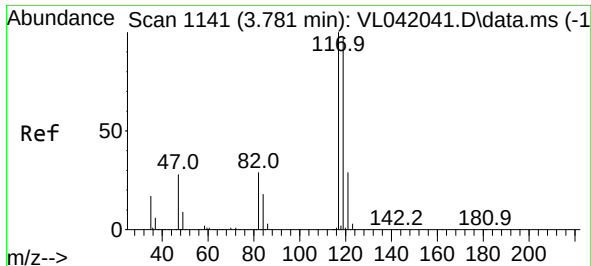
Tgt Ion: 43 Resp: 4611

Ion Ratio Lower Upper

43 100

72 23.6 18.5 27.7

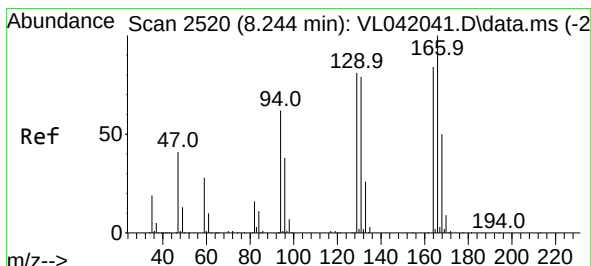
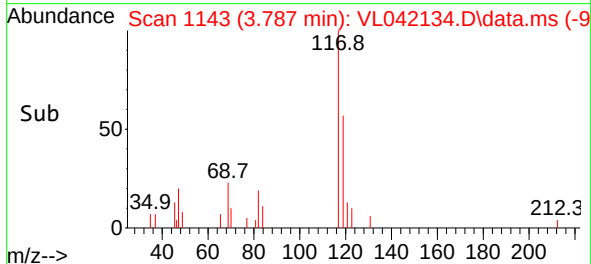
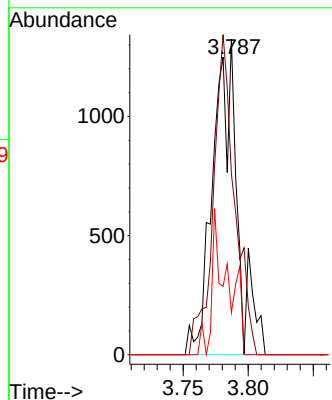
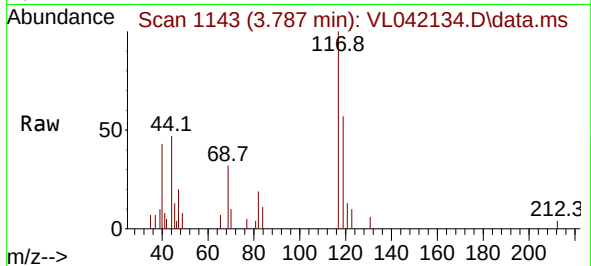




#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.787 min Scan# 1141
Delta R.T. 0.006 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

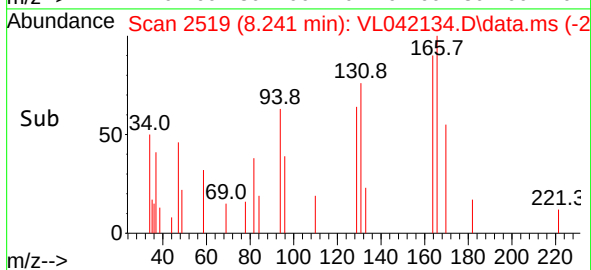
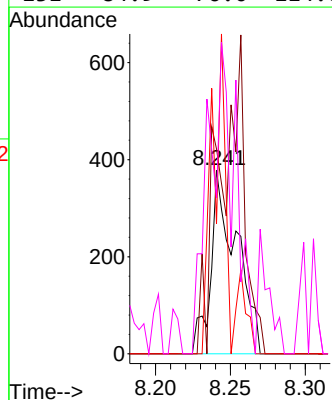
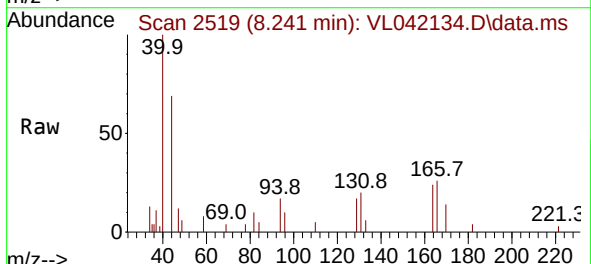
Instrument :
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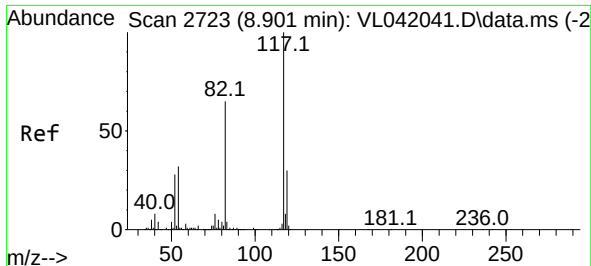
Tgt Ion:117 Resp: 1755
Ion Ratio Lower Upper
117 100
119 57.3 77.8 116.8#
121 13.4 23.4 35.0#



#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

Tgt Ion:164 Resp: 453
Ion Ratio Lower Upper
164 100
166 111.6 95.7 143.5
129 70.9 77.1 115.7#
131 84.9 76.0 114.0

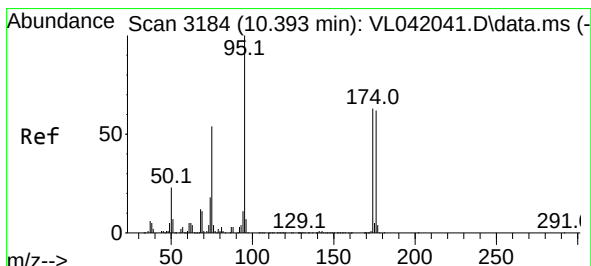
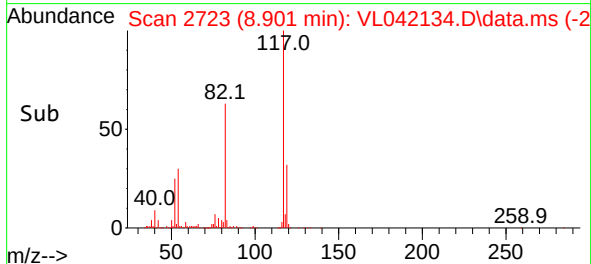
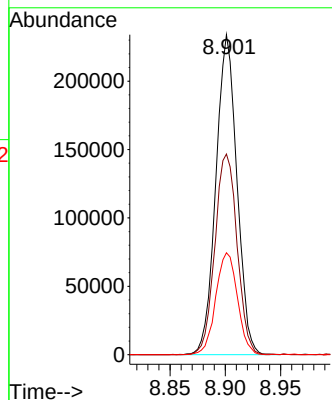
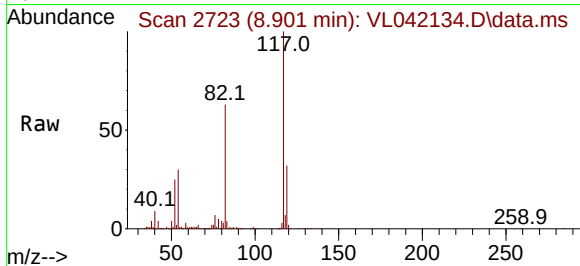




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 309256
Ion Ratio Lower Upper
117 100
82 66.3 55.0 82.6
119 32.9 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.115 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.000 min
Lab File: VL042134.D
Acq: 10 Mar 2025 20:03

Tgt Ion: 95 Resp: 240649
Ion Ratio Lower Upper
95 100
174 64.6 51.8 77.6
175 4.5 3.9 5.9

