

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042128.D
 Acq On : 10 Mar 2025 16:47
 Operator : SY/MD
 Sample : Q1532-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 4DL

Quant Time: Mar 11 01:27:18 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

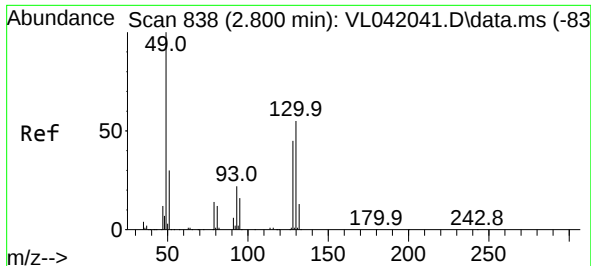
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	165173	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	369716	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	310848	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	235145	9.833	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1130	0.066	ppbv #	84
4) Chloromethane	1.538	50	589	0.093	ppbv #	54
9) Propene	1.489	41	1802	0.184	ppbv	96
11) Trichlorofluoromethane	1.884	101	563	0.033	ppbv #	81
13) Ethanol	1.434	45	291698	469.857	ppbv	89
15) Acetone	1.842	43	10002	0.686	ppbv	92
16) 1,3-Butadiene	1.609	39	276	0.041	ppbv #	51
19) Isopropyl Alcohol	1.434	45	291698	34.814	ppbv #	32
20) Methylene Chloride	2.072	84	3747	0.679	ppbv #	81
23) Vinyl Acetate	2.483	43	448	0.044	ppbv #	30
26) Hexane	2.839	57	1778	0.075	ppbv #	37
34) 2-Butanone	2.577	43	2373	0.082	ppbv	92
39) 1,2-Dichloropropane	3.978	63	93583	6.370	ppbv #	21

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

Quant Time: Mar 11 01:27:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
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QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

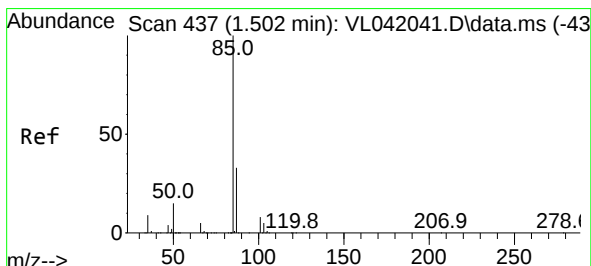
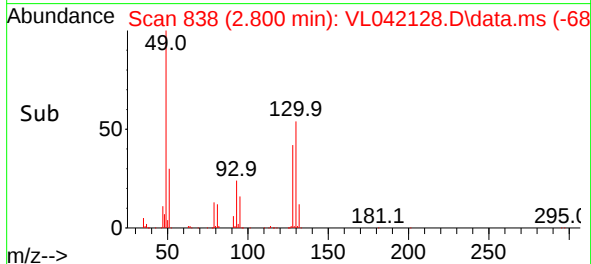
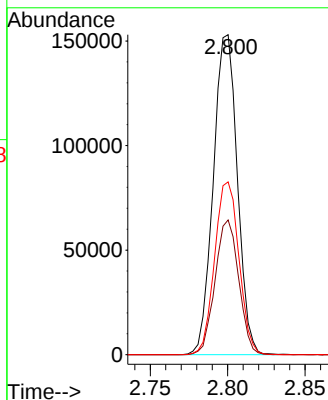
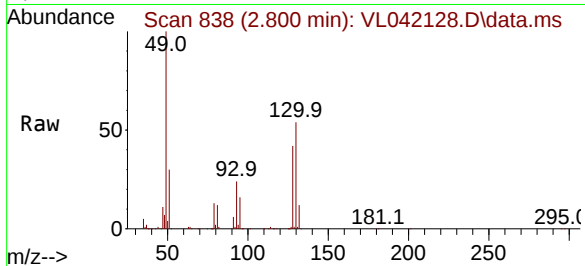




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. 0.000 min
Lab File: VL042128.D
Acq: 10 Mar 2025 16:47

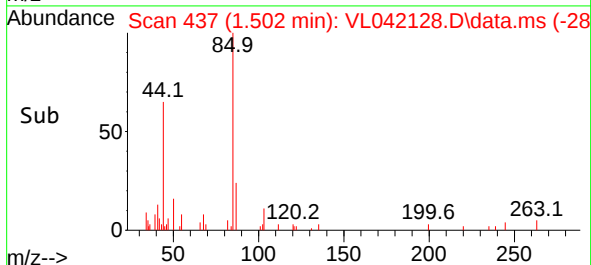
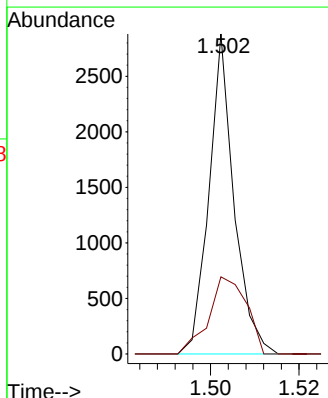
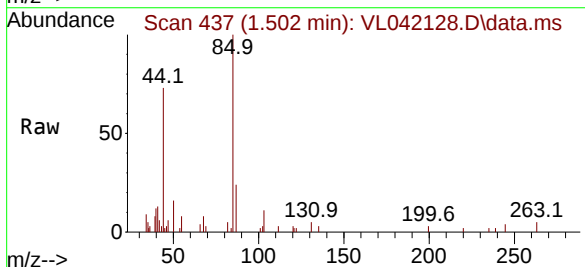
Instrument :
MSVOA_L
ClientSampleId :
4DL

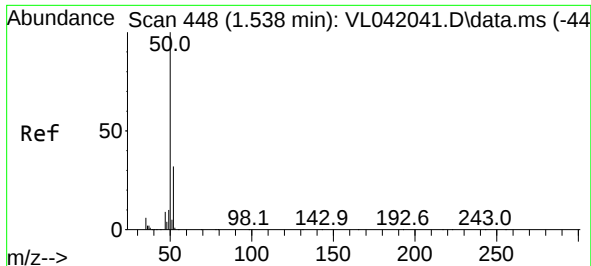
Tgt Ion: 49 Resp: 165173
Ion Ratio Lower Upper
49 100
128 41.4 21.6 64.8
130 54.6 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 0.066 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042128.D
Acq: 10 Mar 2025 16:47

Tgt Ion: 85 Resp: 1130
Ion Ratio Lower Upper
85 100
87 24.1 26.4 39.6#

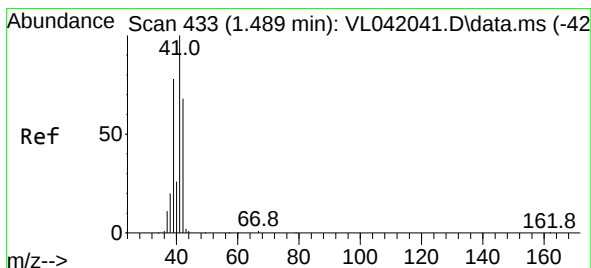
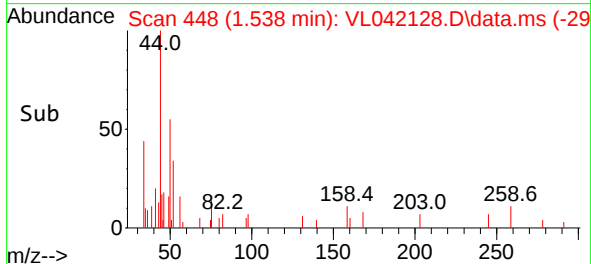
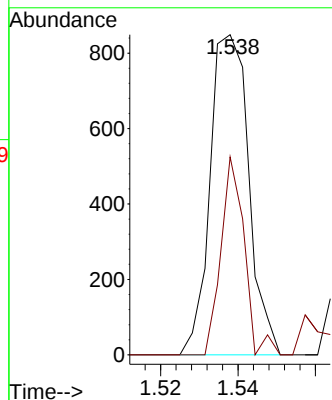
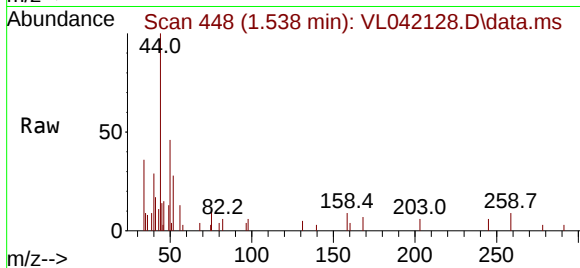




#4
Chloromethane
Concen: 0.093 ppbv
RT: 1.538 min Scan# 44
Delta R.T. 0.000 min
Lab File: VL042128.D
Acq: 10 Mar 2025 16:47

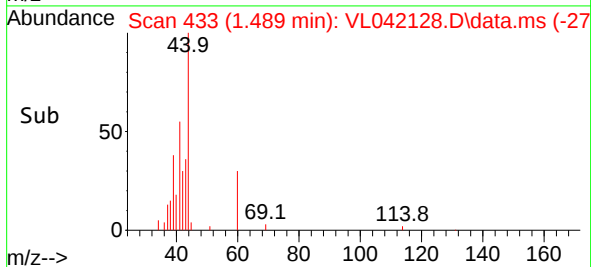
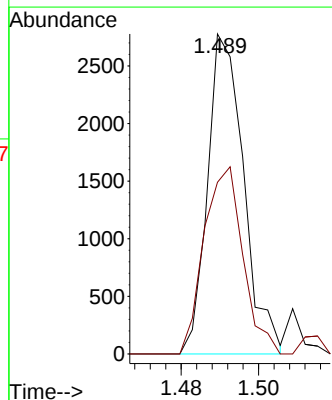
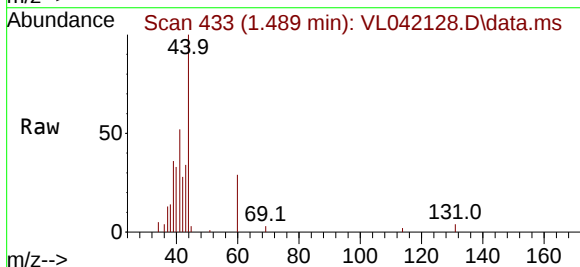
Instrument :
MSVOA_L
ClientSampleId :
4DL

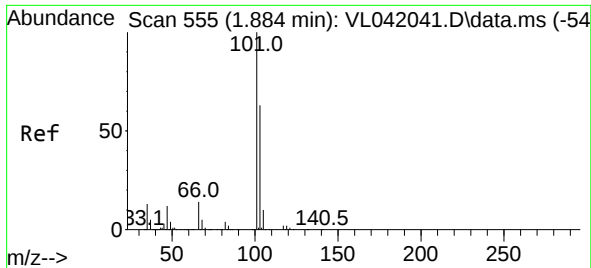
Tgt Ion: 50 Resp: 589
Ion Ratio Lower Upper
50 100
52 57.4 25.4 38.0#



#9
Propene
Concen: 0.184 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.000 min
Lab File: VL042128.D
Acq: 10 Mar 2025 16:47

Tgt Ion: 41 Resp: 1802
Ion Ratio Lower Upper
41 100
42 66.1 55.8 83.6

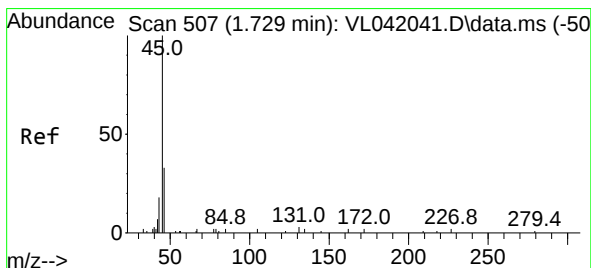
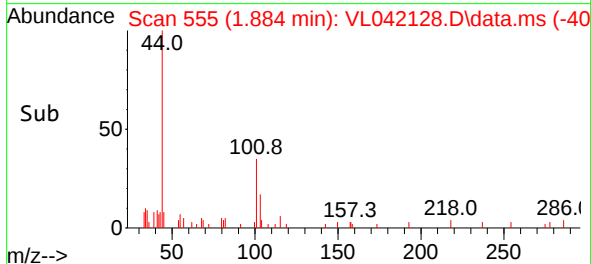
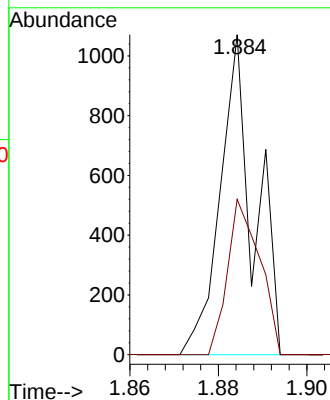
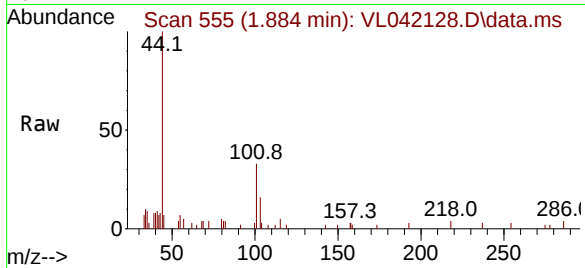




#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 1.884 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL042128.D
 Acq: 10 Mar 2025 16:47

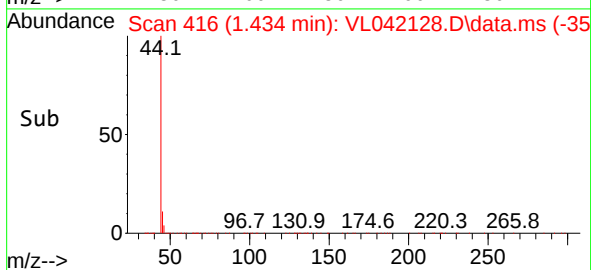
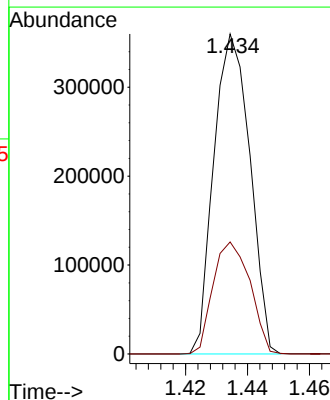
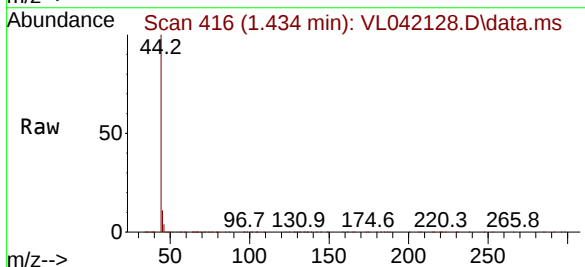
Instrument :
 MSVOA_L
 ClientSampleId :
 4DL

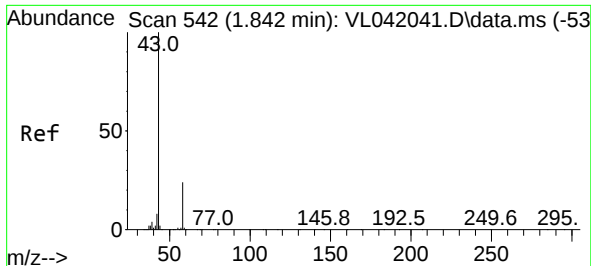
Tgt Ion:101 Resp: 563
 Ion Ratio Lower Upper
 101 100
 103 48.6 50.6 75.8#



#13
 Ethanol
 Concen: 469.857 ppbv
 RT: 1.434 min Scan# 416
 Delta R.T. -0.294 min
 Lab File: VL042128.D
 Acq: 10 Mar 2025 16:47

Tgt Ion: 45 Resp: 291698
 Ion Ratio Lower Upper
 45 100
 46 35.9 17.1 68.3





#15

Acetone

Concen: 0.686 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.000 min

Lab File: VL042128.D

Acq: 10 Mar 2025 16:47

Instrument :

MSVOA_L

ClientSampleId :

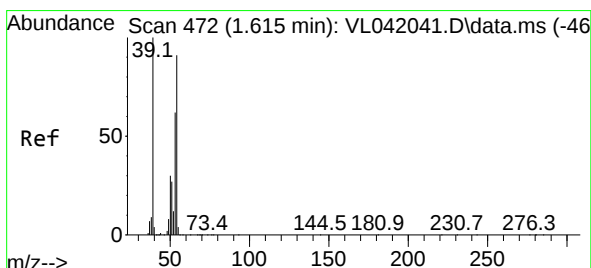
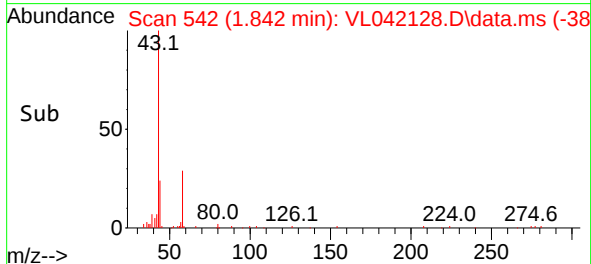
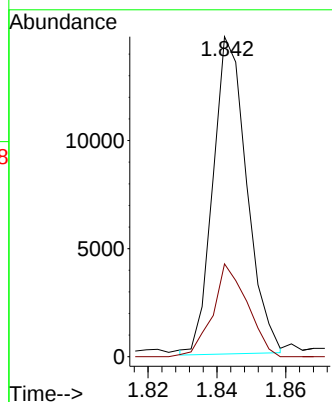
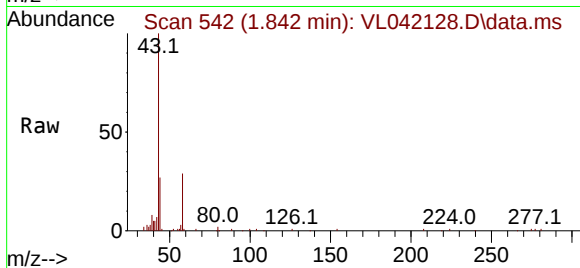
4DL

Tgt Ion: 43 Resp: 10002

Ion Ratio Lower Upper

43 100

58 29.9 20.7 31.1



#16

1,3-Butadiene

Concen: 0.041 ppbv

RT: 1.609 min Scan# 470

Delta R.T. -0.006 min

Lab File: VL042128.D

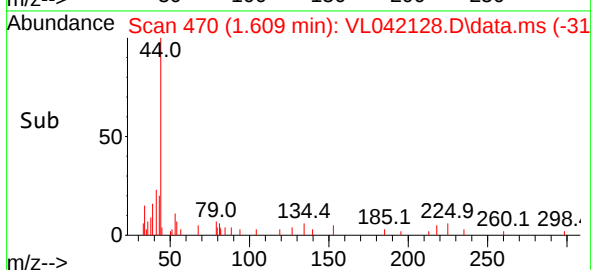
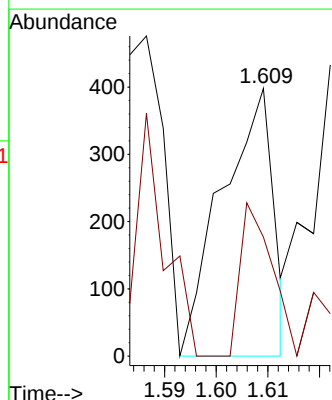
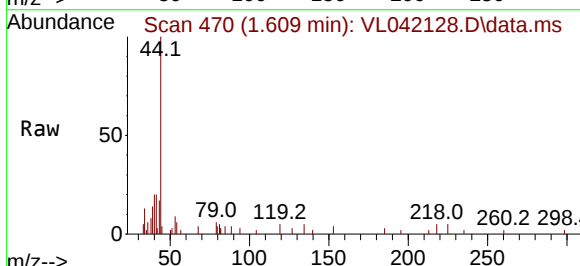
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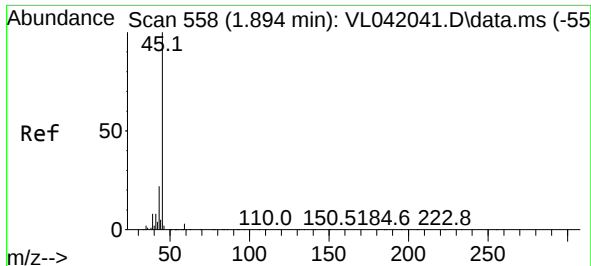
Tgt Ion: 39 Resp: 276

Ion Ratio Lower Upper

39 100

54 116.3 59.6 89.4#

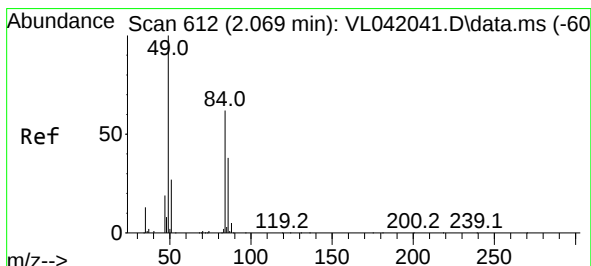
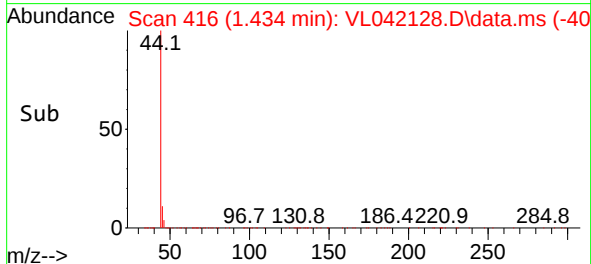
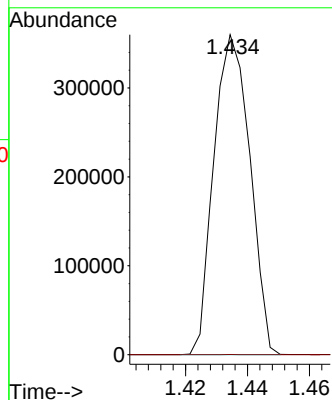
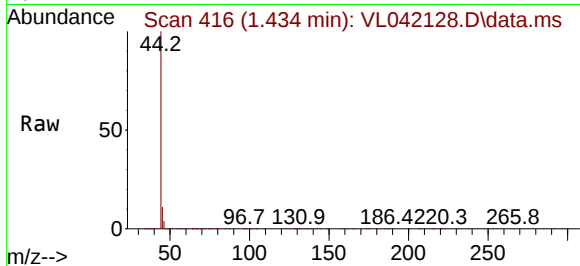




#19
Isopropyl Alcohol
Concen: 34.814 ppbv
RT: 1.434 min Scan# 41
Delta R.T. -0.459 min
Lab File: VL042128.D
Acq: 10 Mar 2025 16:47

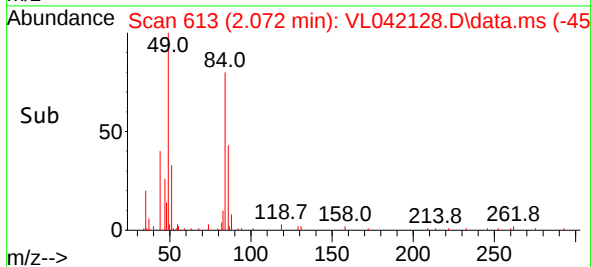
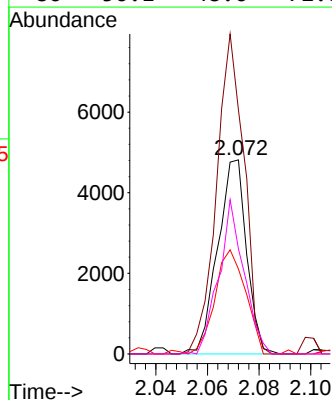
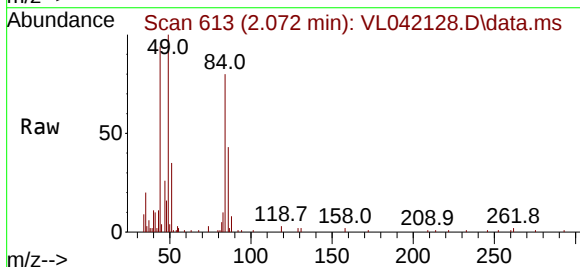
Instrument :
MSVOA_L
ClientSampleId :
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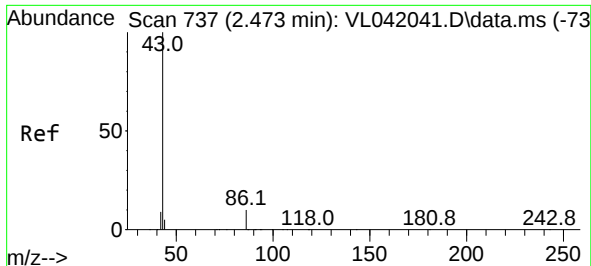
Tgt Ion: 45 Resp: 291698
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#



#20
Methylene Chloride
Concen: 0.679 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042128.D
Acq: 10 Mar 2025 16:47

Tgt Ion: 84 Resp: 3747
Ion Ratio Lower Upper
84 100
49 125.7 130.0 195.0#
51 42.6 37.4 56.0
86 56.1 48.6 72.8

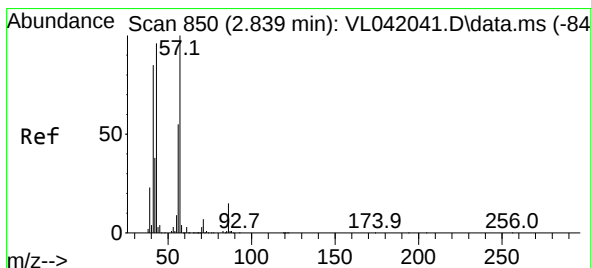
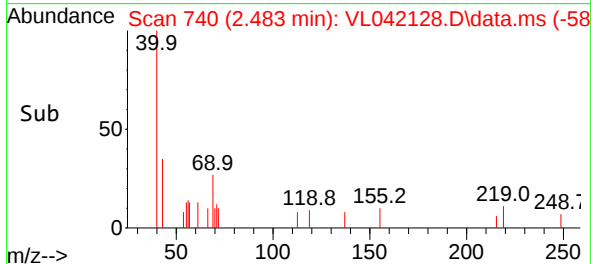
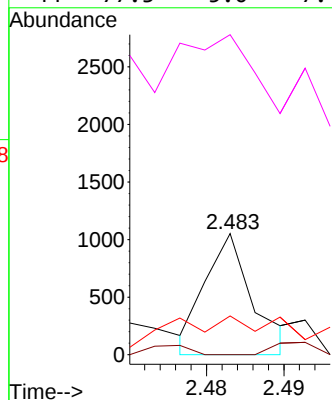
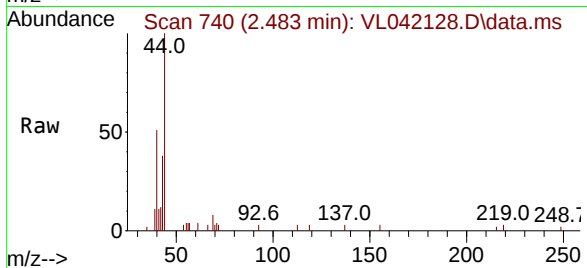




#23
 Vinyl Acetate
 Concen: 0.044 ppbv
 RT: 2.483 min Scan# 74
 Delta R.T. 0.010 min
 Lab File: VL042128.D
 Acq: 10 Mar 2025 16:47

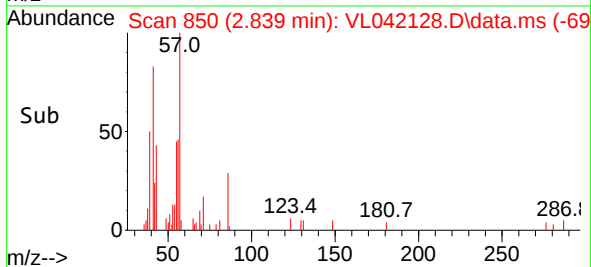
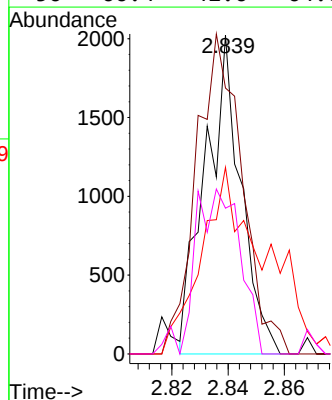
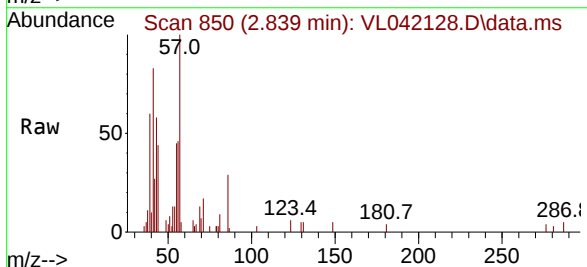
Instrument :
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 ClientSampleId :
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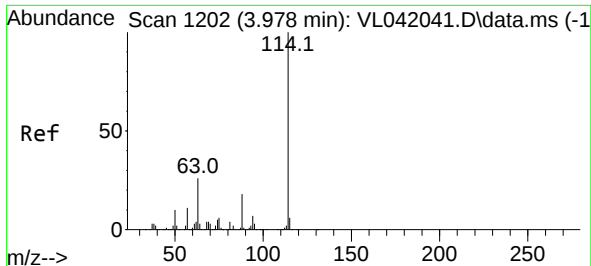
Tgt Ion: 43	Resp: 448
Ion Ratio	Lower Upper
43 100	
86 0.0	7.0 10.4#
42 2.0	7.6 11.4#
44 77.3	5.0 7.4#



#26
 Hexane
 Concen: 0.075 ppbv
 RT: 2.839 min Scan# 850
 Delta R.T. 0.000 min
 Lab File: VL042128.D
 Acq: 10 Mar 2025 16:47

Tgt Ion: 57	Resp:	1778	
Ion	Ratio	Lower	Upper
57	100		
41	128.7	70.6	106.0#
43	110.7	199.4	299.0#
56	66.4	42.6	64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042128.D

Acq: 10 Mar 2025 16:47

Instrument :

MSVOA_L

ClientSampleId :

4DL

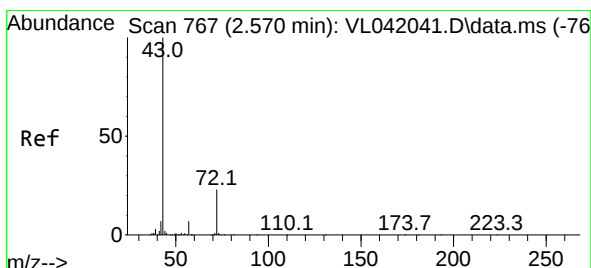
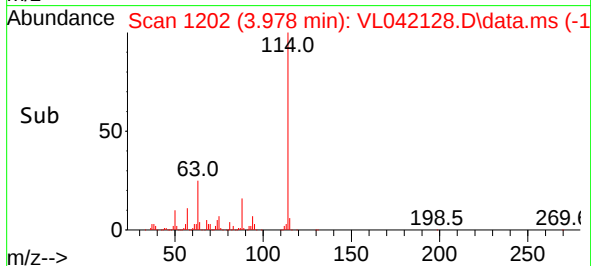
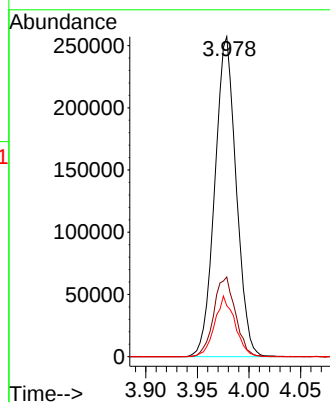
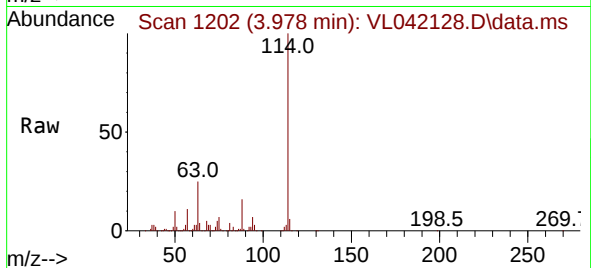
Tgt Ion:114 Resp: 369716

Ion Ratio Lower Upper

114 100

63 25.4 20.1 30.1

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.082 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.007 min

Lab File: VL042128.D

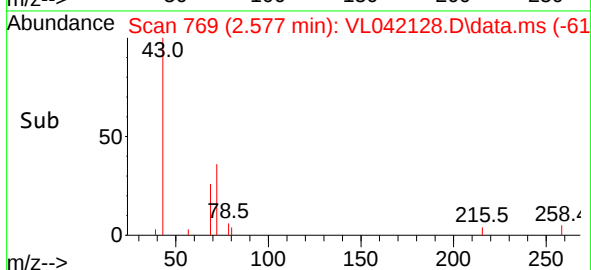
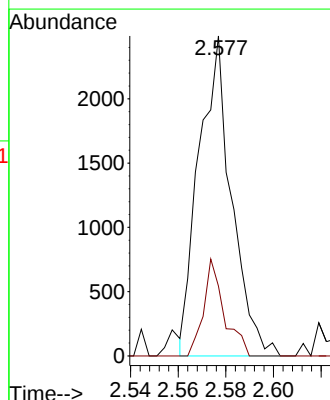
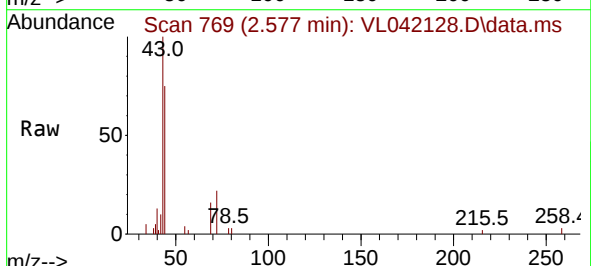
Acq: 10 Mar 2025 16:47

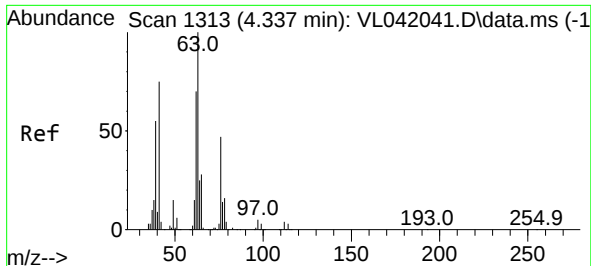
Tgt Ion: 43 Resp: 2373

Ion Ratio Lower Upper

43 100

72 19.0 18.5 27.7





#39

1,2-Dichloropropane

Concen: 6.370 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.359 min

Lab File: VL042128.D

Acq: 10 Mar 2025 16:47

Instrument :

MSVOA_L

ClientSampleId :

4DL

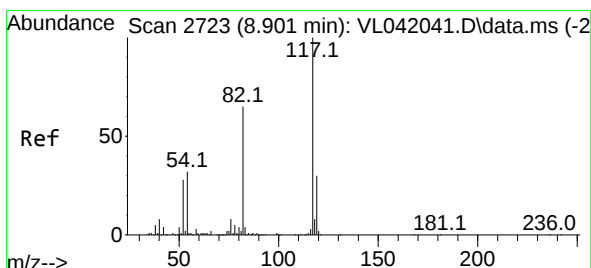
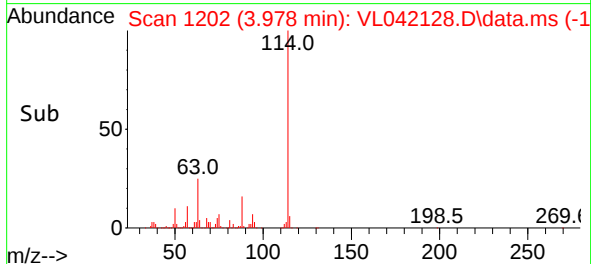
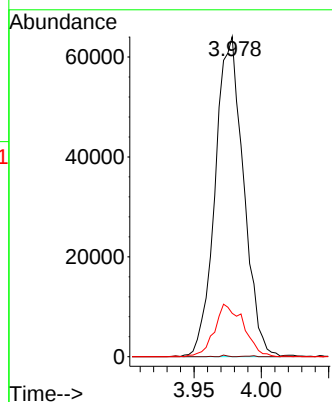
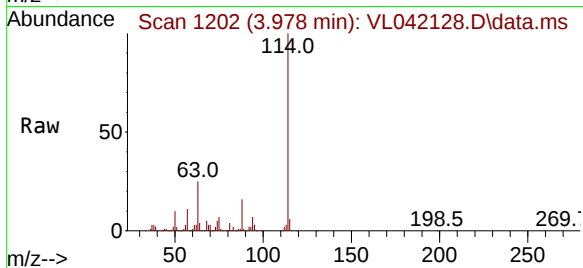
Tgt Ion: 63 Resp: 93583

Ion Ratio Lower Upper

63 100

41 0.0 60.1 90.1#

62 13.6 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 2722

Delta R.T. -0.003 min

Lab File: VL042128.D

Acq: 10 Mar 2025 16:47

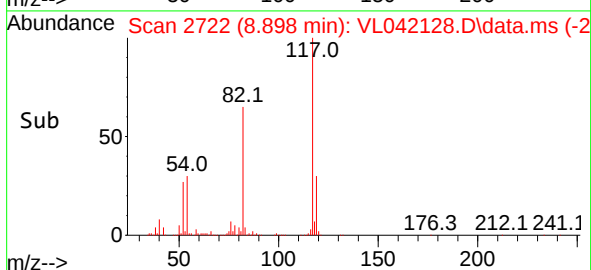
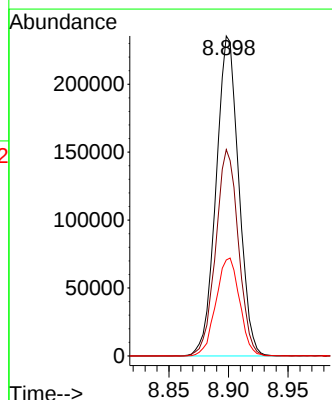
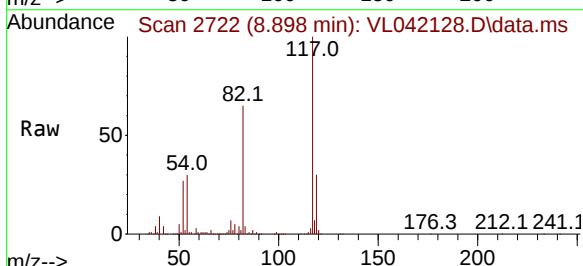
Tgt Ion: 117 Resp: 310848

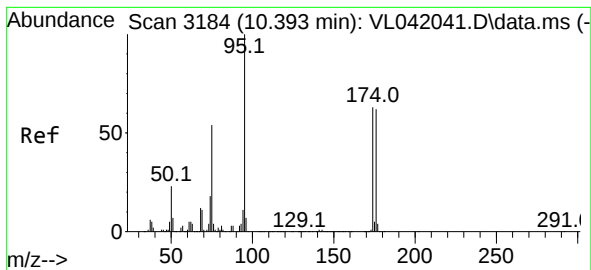
Ion Ratio Lower Upper

117 100

82 64.7 55.0 82.6

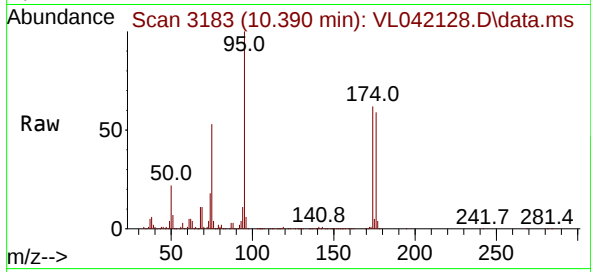
119 32.1 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.833 ppbv
 RT: 10.390 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VL042128.D
 Acq: 10 Mar 2025 16:47

Instrument :
 MSVOA_L
 ClientSampleId :
 4DL



Tgt Ion: 95 Resp: 235145
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.8 77.6
 175 4.8 3.9 5.9

