

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042484.D
 Acq On : 05 May 2025 19:49
 Operator : SY/MD
 Sample : Q1927-06DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P04-SC-IA01-20250428DL

Quant Time: May 06 01:45:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

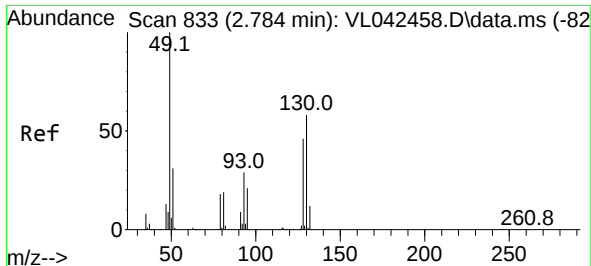
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.790	49	68960	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	187538	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	152619	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	140356	9.919	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1981	0.174	ppbv	98
3) Chlorodifluoromethane	1.466	51	21826	1.809	ppbv #	60
4) Chloromethane	1.531	50	814	0.171	ppbv	97
9) Propene	1.618	41	1556	0.394	ppbv	85
11) Trichlorofluoromethane	1.877	101	874	0.083	ppbv	90
13) Ethanol	1.434	45	235425	293.970	ppbv #	1
15) Acetone	1.839	43	11662	0.926	ppbv	97
16) 1,3-Butadiene	1.622	39	1114	0.201	ppbv #	15
17) tert-Butyl alcohol	2.042	59	337	0.030	ppbv #	60
19) Isopropyl Alcohol	1.434	45	235425	33.791	ppbv #	95
20) Methylene Chloride	2.065	84	864	0.228	ppbv #	55
30) Cyclohexane	3.952	84	1676	0.228	ppbv #	1
34) 2-Butanone	2.570	43	899	0.066	ppbv #	84
39) 1,2-Dichloropropane	3.959	63	55417	8.364	ppbv #	19

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

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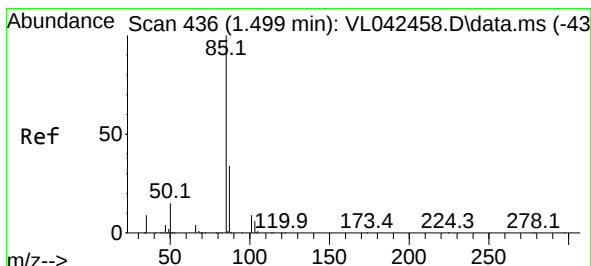
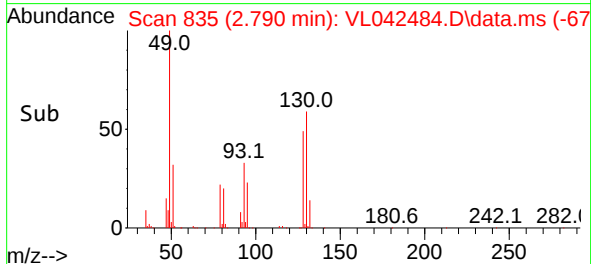
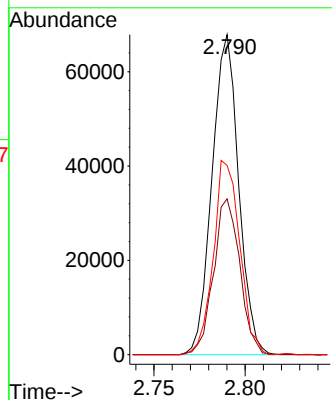
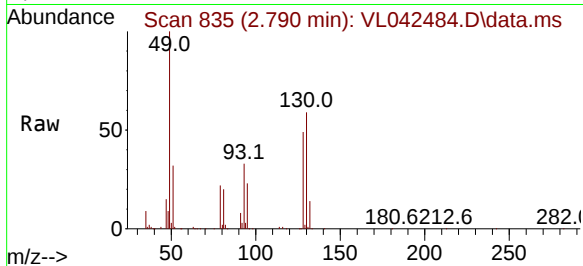




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

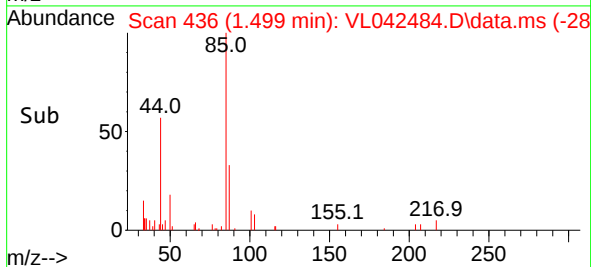
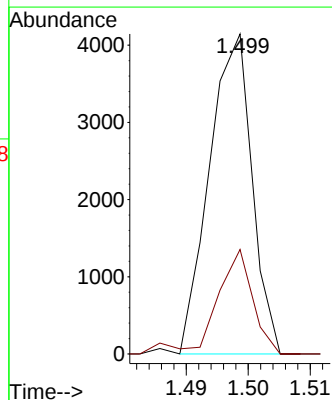
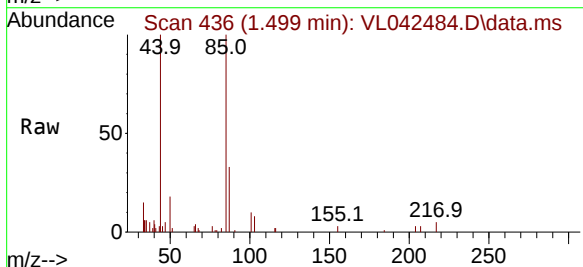
Instrument :
MSVOA_L
ClientSampleId :
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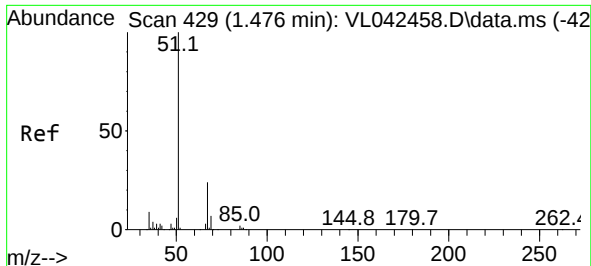
Tgt Ion: 49 Resp: 68960
Ion Ratio Lower Upper
49 100
128 48.3 23.3 69.9
130 60.5 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.174 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Tgt Ion: 85 Resp: 1981
Ion Ratio Lower Upper
85 100
87 32.6 26.9 40.3

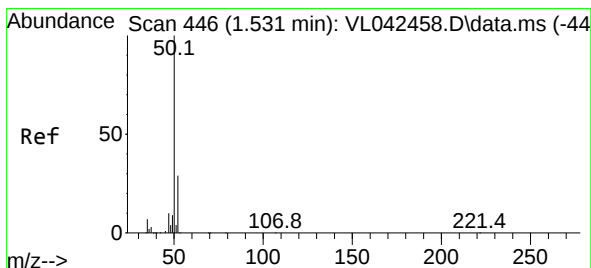
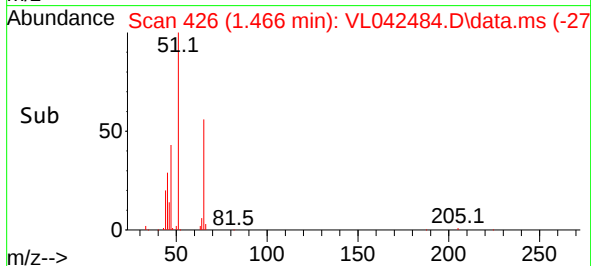
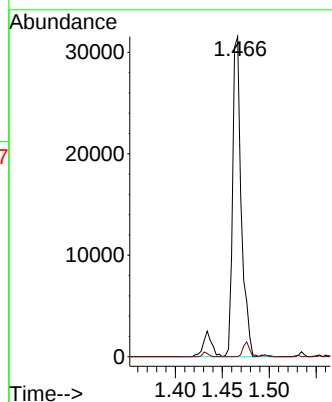
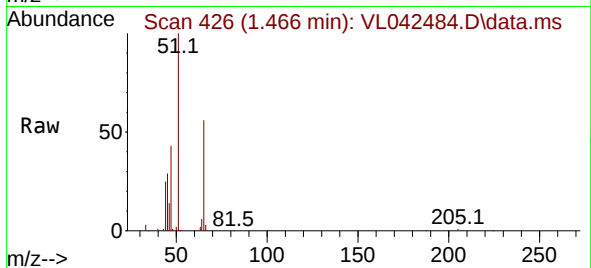




#3
Chlorodifluoromethane
Concen: 1.809 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

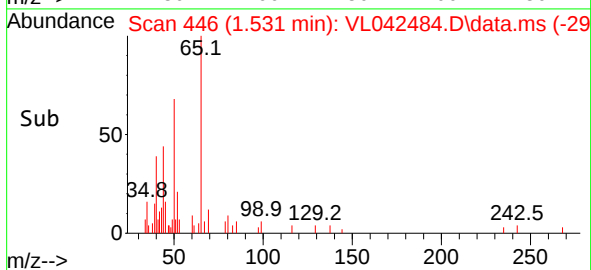
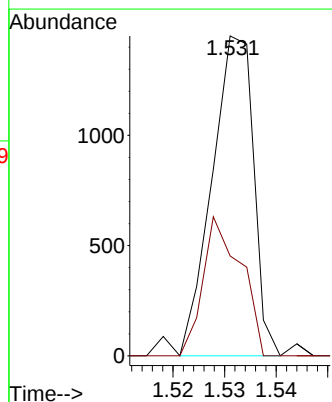
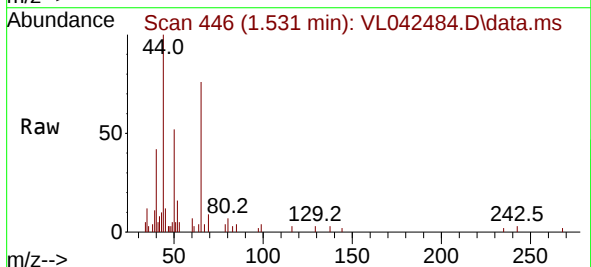
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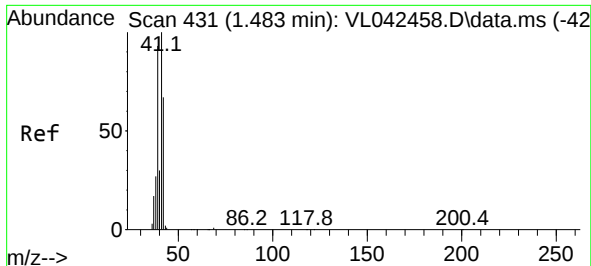
Tgt Ion: 51 Resp: 21826
Ion Ratio Lower Upper
51 100
67 3.4 18.4 27.6#



#4
Chloromethane
Concen: 0.171 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Tgt Ion: 50 Resp: 814
Ion Ratio Lower Upper
50 100
52 31.2 23.5 35.3





#9

Propene

Concen: 0.394 ppbv

RT: 1.618 min Scan# 41

Delta R.T. 0.136 min

Lab File: VL042484.D

Acq: 05 May 2025 19:49

Instrument :

MSVOA_L

ClientSampleId :

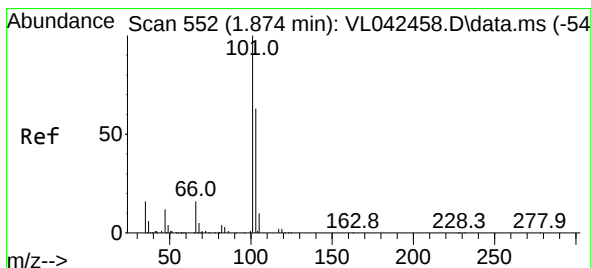
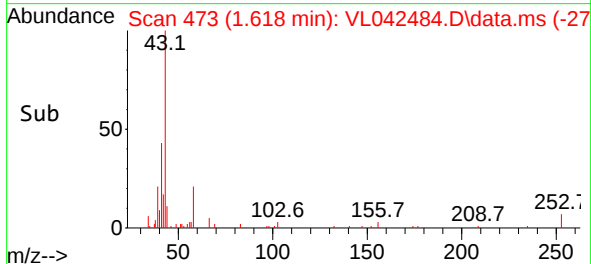
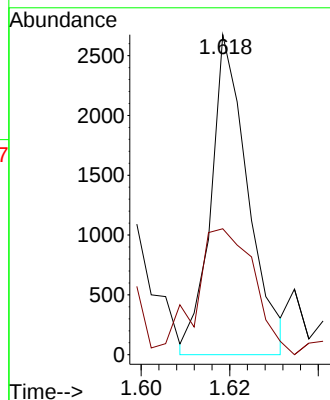
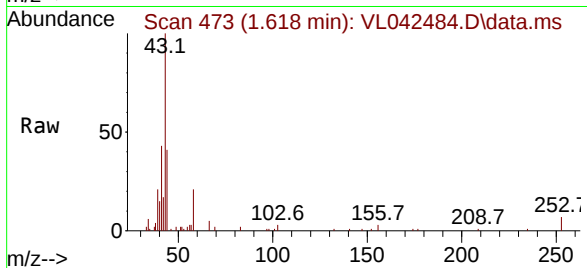
EBR-P04-SC-IA01-20250428DL

Tgt Ion: 41 Resp: 1556

Ion Ratio Lower Upper

41 100

42 80.1 54.3 81.5



#11

Trichlorofluoromethane

Concen: 0.083 ppbv

RT: 1.877 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL042484.D

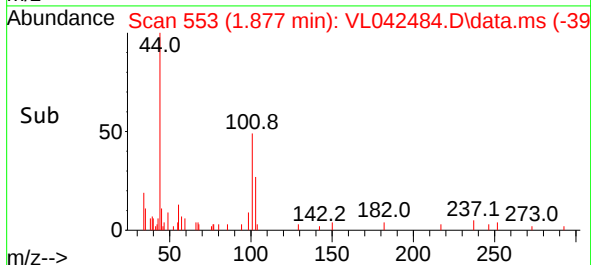
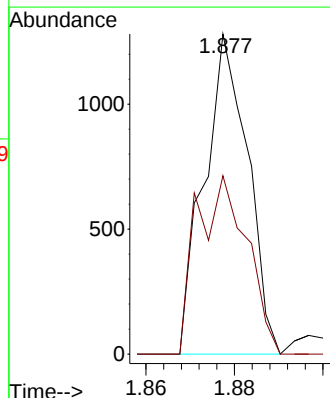
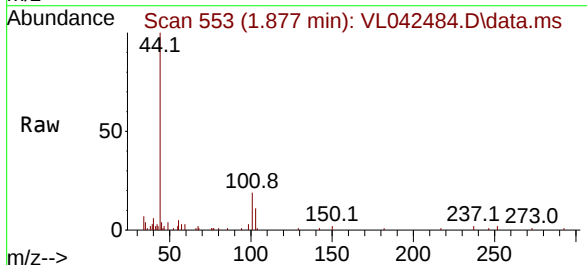
Acq: 05 May 2025 19:49

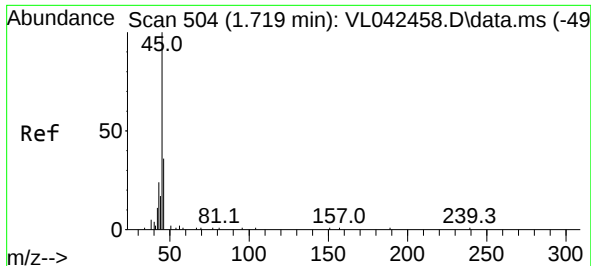
Tgt Ion: 101 Resp: 874

Ion Ratio Lower Upper

101 100

103 55.7 50.6 76.0

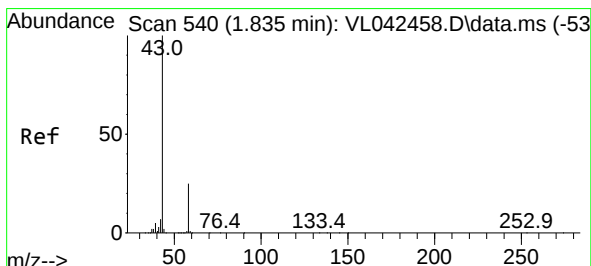
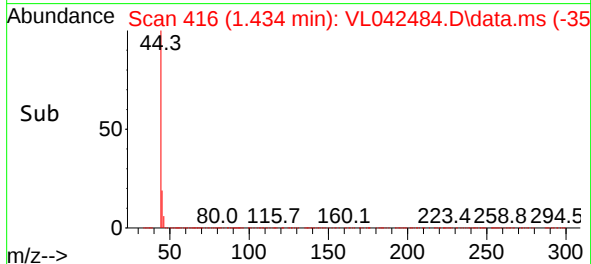
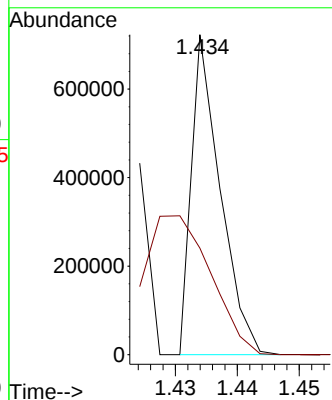
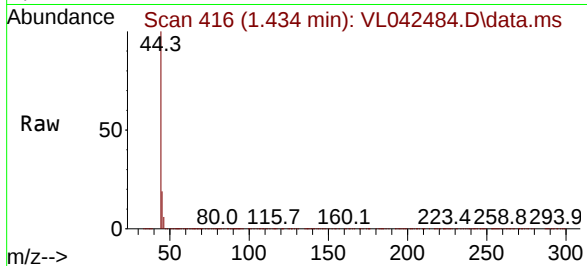




#13
Ethanol
Concen: 293.970 ppbv
RT: 1.434 min Scan# 416
Delta R.T. -0.285 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

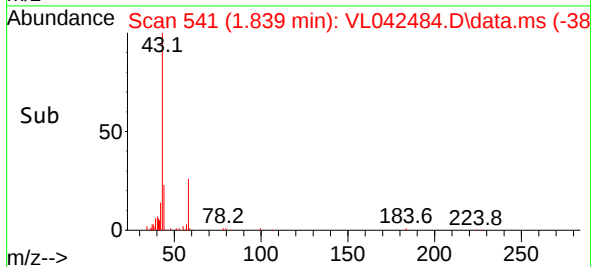
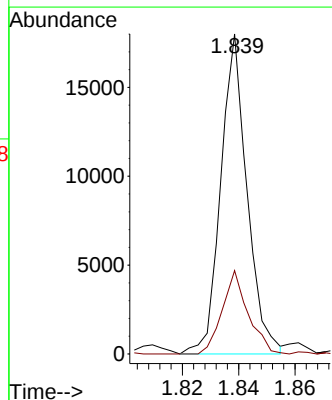
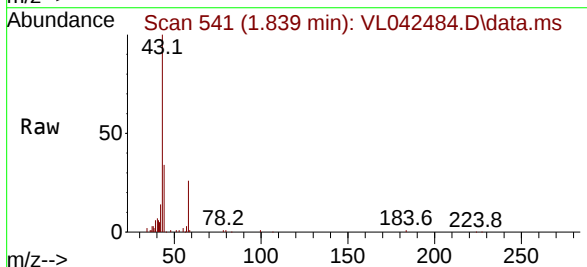
Instrument :
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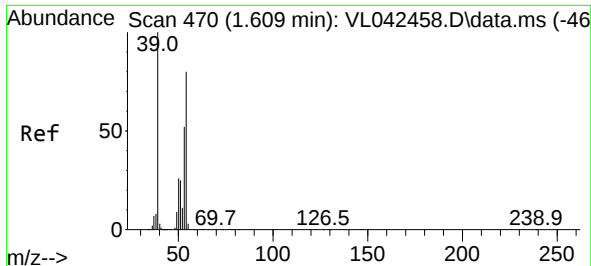
Tgt Ion: 45 Resp: 235425
Ion Ratio Lower Upper
45 100
46 100.1 15.3 61.1#



#15
Acetone
Concen: 0.926 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Tgt Ion: 43 Resp: 11662
Ion Ratio Lower Upper
43 100
58 26.3 19.8 29.8

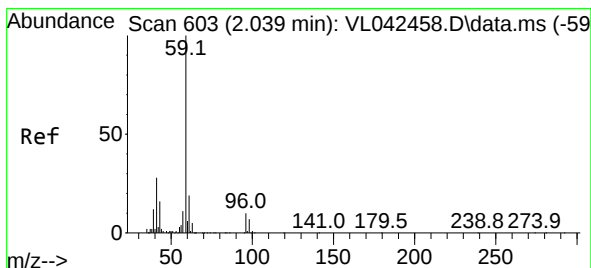
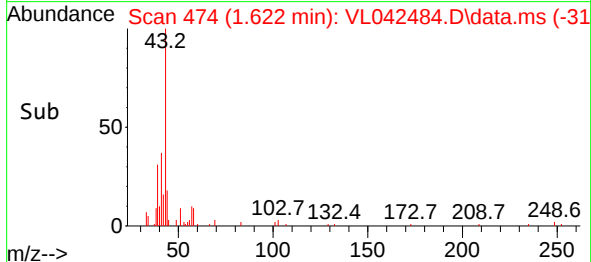
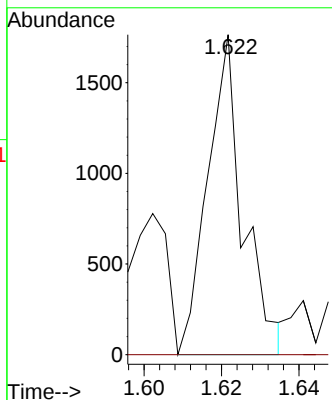
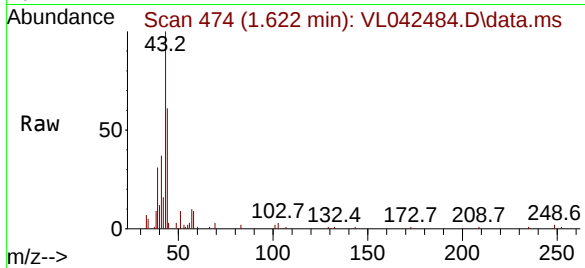




#16
1,3-Butadiene
Concen: 0.201 ppbv
RT: 1.622 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

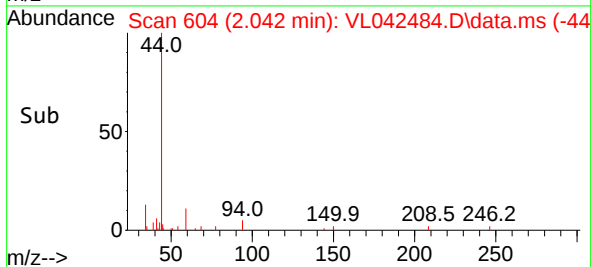
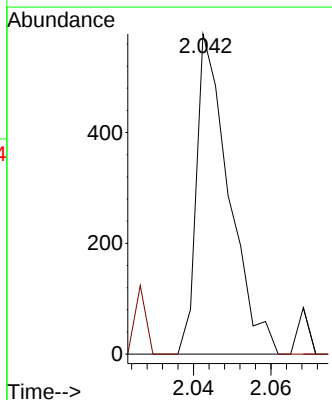
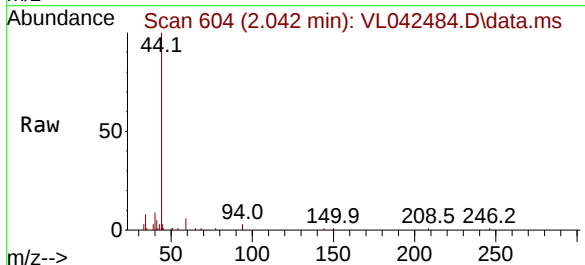
Instrument :
MSVOA_L
ClientSampleId :
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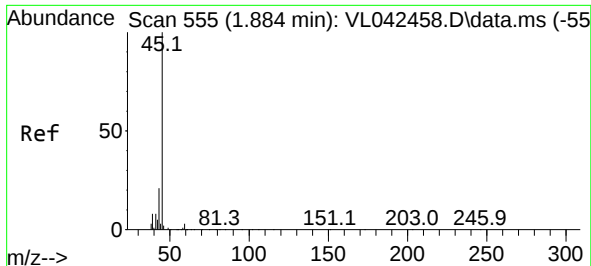
Tgt Ion: 39 Resp: 1114
Ion Ratio Lower Upper
39 100
54 0.0 55.2 82.8#



#17
tert-Butyl alcohol
Concen: 0.030 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Tgt Ion: 59 Resp: 337
Ion Ratio Lower Upper
59 100
57 25.5 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 33.791 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.450 min

Lab File: VL042484.D

Acq: 05 May 2025 19:49

Instrument :

MSVOA_1

ClientSampleId :

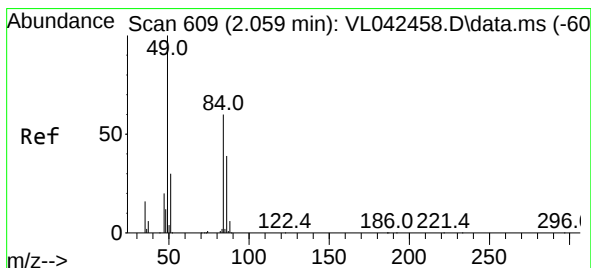
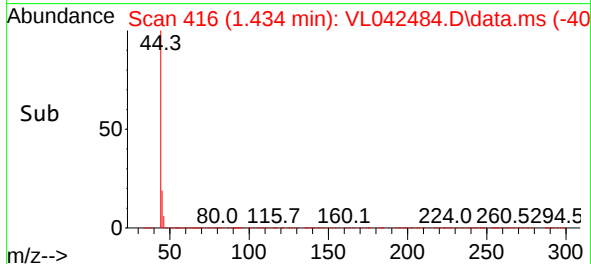
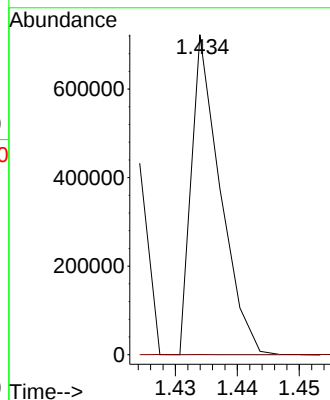
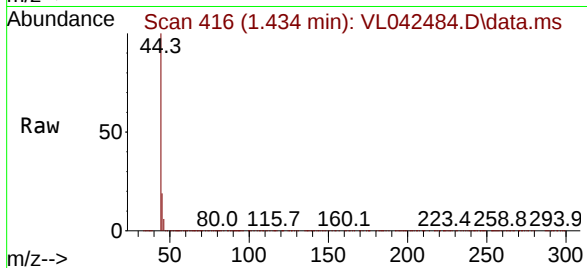
EBR-P04-SC-IA01-20250428DL

Tgt Ion: 45 Resp: 235425

Ion Ratio Lower Upper

45 100

58 0.2 1.6 2.4#



#20

Methylene Chloride

Concen: 0.228 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042484.D

Acq: 05 May 2025 19:49

Tgt Ion: 84 Resp: 864

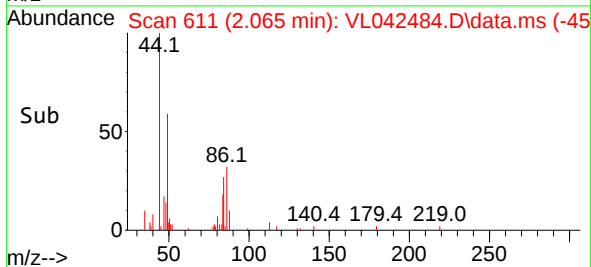
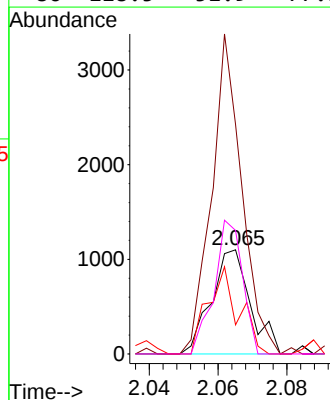
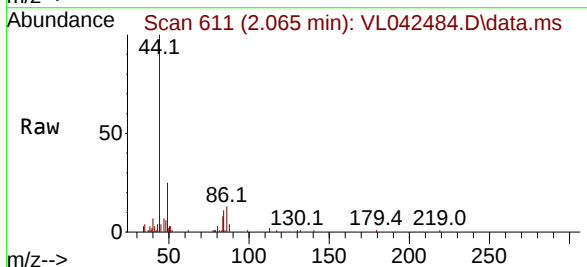
Ion Ratio Lower Upper

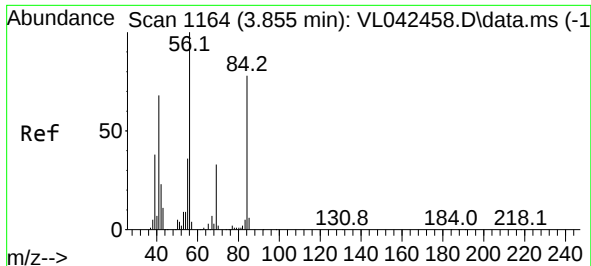
84 100

49 220.3 133.9 200.9#

51 28.0 41.0 61.6#

86 118.5 51.9 77.9#

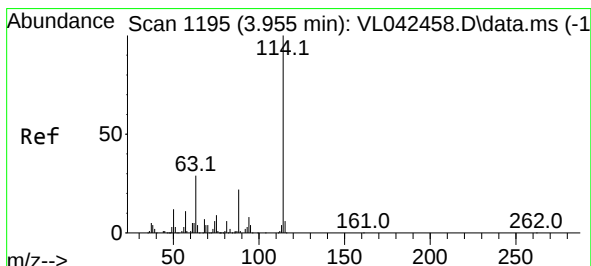
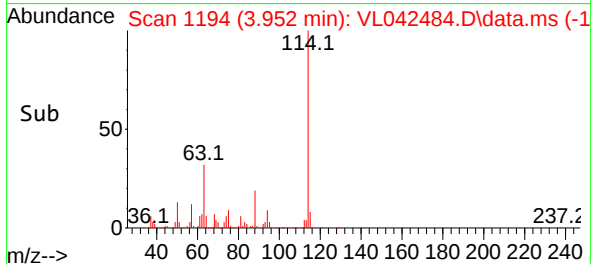
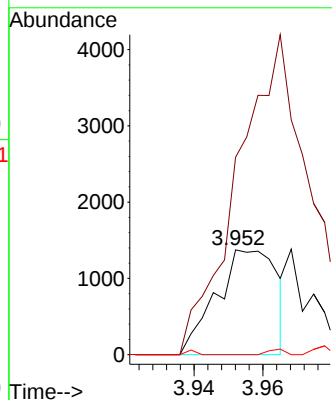
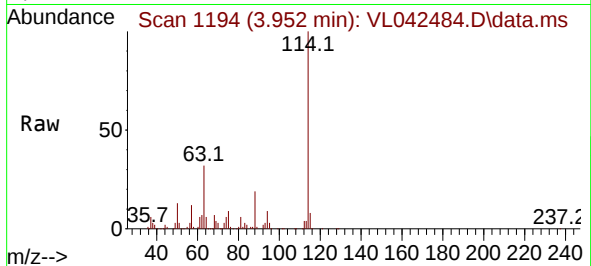




#30
Cyclohexane
Concen: 0.228 ppbv
RT: 3.952 min Scan# 1164
Delta R.T. 0.097 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

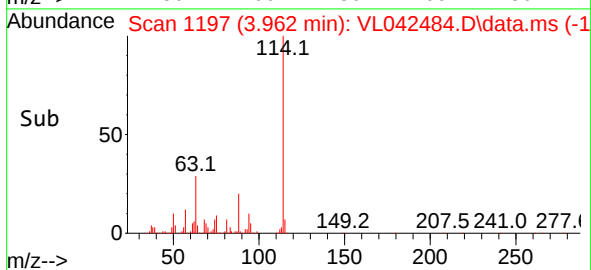
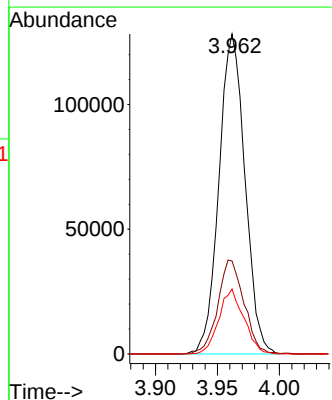
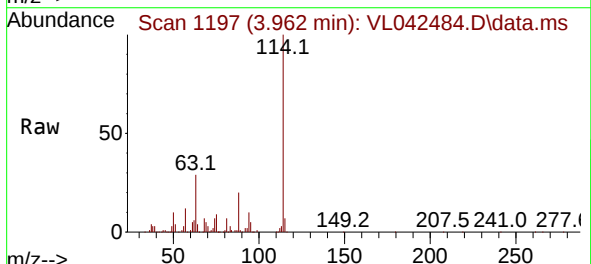
Instrument :
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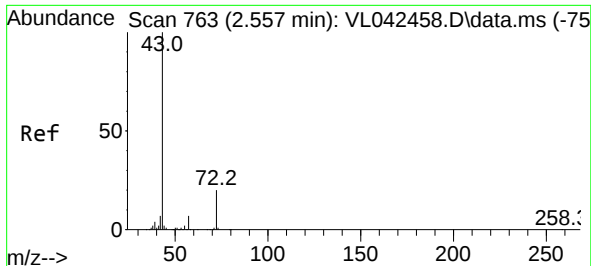
Tgt Ion: 84 Resp: 1676
Ion Ratio Lower Upper
84 100
56 0.0 98.1 147.1#
41 5.5 65.8 98.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Tgt Ion: 114 Resp: 187538
Ion Ratio Lower Upper
114 100
63 29.7 23.1 34.7
88 19.5 16.1 24.1

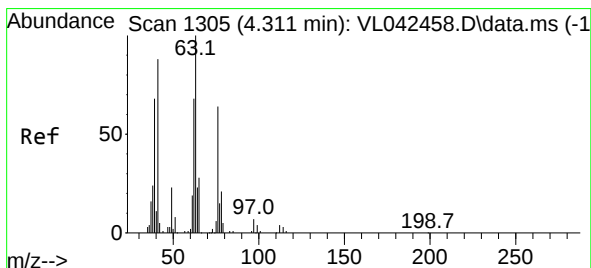
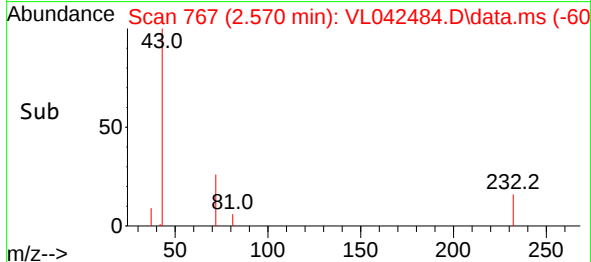
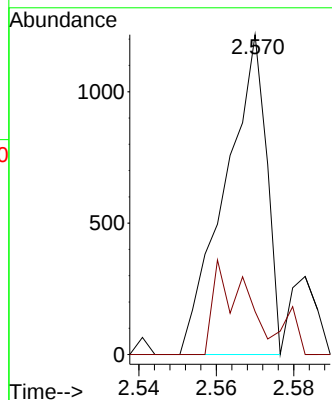
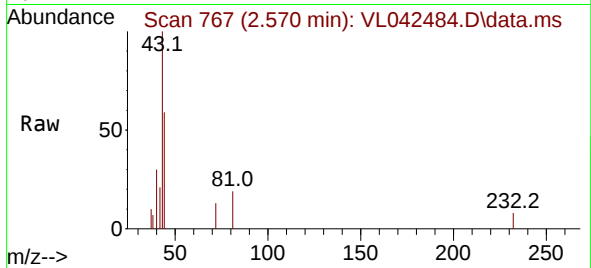




#34
2-Butanone
Concen: 0.066 ppbv
RT: 2.570 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

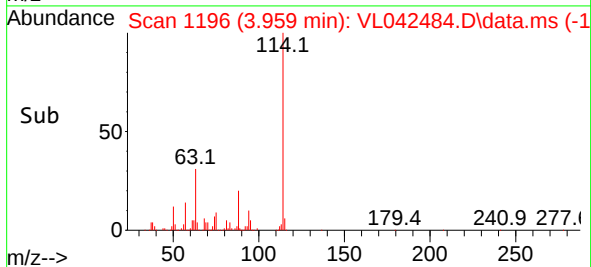
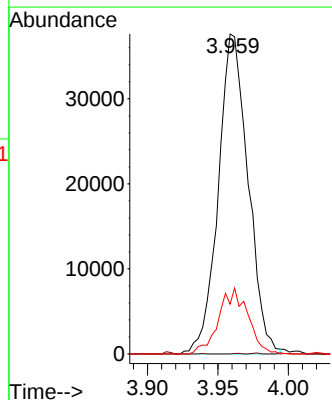
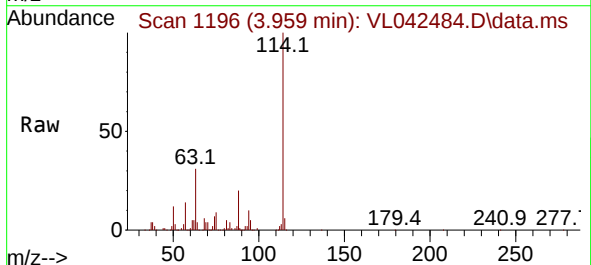
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-IA01-20250428DL

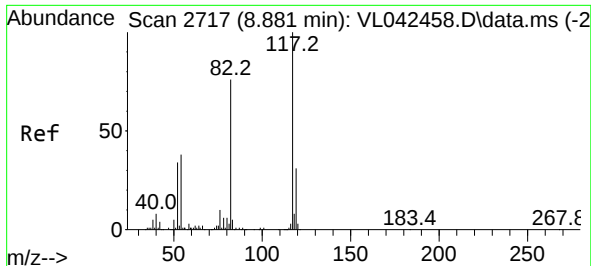
Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
72 28.3 16.7 25.1#



#39
1,2-Dichloropropane
Concen: 8.364 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Tgt Ion: 63 Resp: 55417
Ion Ratio Lower Upper
63 100
41 0.0 69.8 104.6#
62 15.6 54.3 81.5#

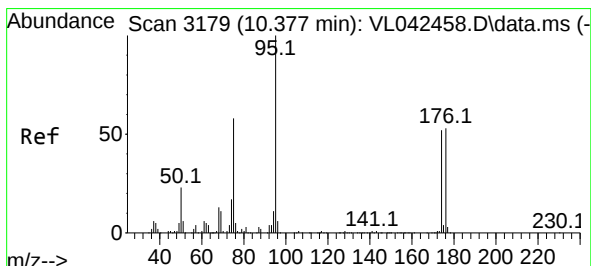
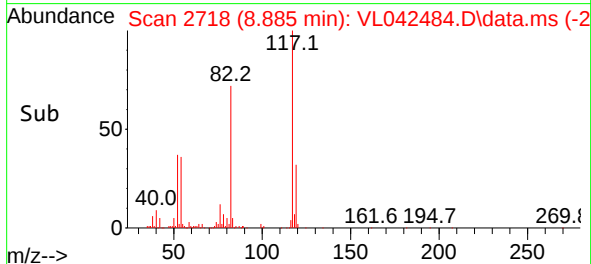
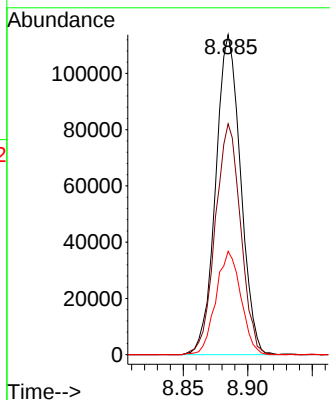
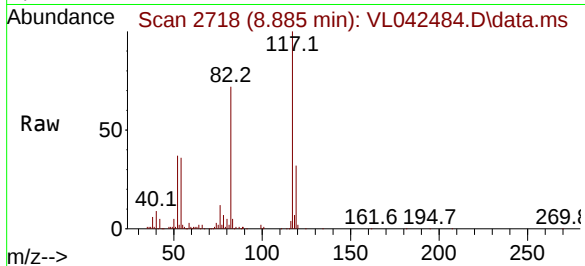




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-IA01-20250428DL

Tgt Ion:117 Resp: 152619
Ion Ratio Lower Upper
117 100
82 73.6 63.5 95.3
119 32.4 25.8 38.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.919 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042484.D
Acq: 05 May 2025 19:49

Tgt Ion: 95 Resp: 140356
Ion Ratio Lower Upper
95 100
174 54.5 42.7 64.1
175 4.1 3.6 5.4

