

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042472.D
 Acq On : 05 May 2025 10:50
 Operator : SY/MD
 Sample : Q1927-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P04-SC-SS01-20250428DL

Quant Time: May 06 01:40:13 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

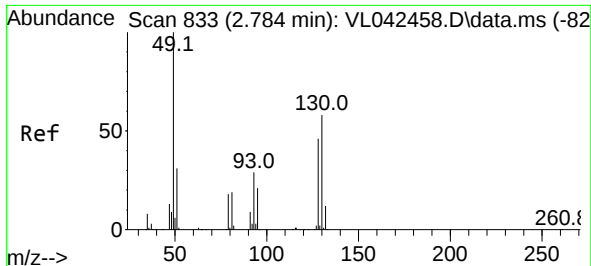
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.787	49	77085	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	220817	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	182321	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	164599	9.737	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.531	85	1351	0.106	ppbv	89
3) Chlorodifluoromethane	1.525	51	475	0.035	ppbv	100
4) Chloromethane	1.531	50	397	0.074	ppbv #	87
6) Bromomethane	1.667	94	87	0.034	ppbv #	47
8) Dichlorotetrafluoroethane	1.531	85	1351	0.128	ppbv #	28
9) Propene	1.483	41	300	0.068	ppbv #	15
13) Ethanol	1.722	45	6808	7.605	ppbv #	37
15) Acetone	1.839	43	12771	0.908	ppbv	90
17) tert-Butyl alcohol	2.046	59	5011	0.404	ppbv #	84
19) Isopropyl Alcohol	1.722	45	6808	0.874	ppbv #	1
20) Methylene Chloride	2.062	84	933	0.221	ppbv #	56
21) Allyl Chloride	2.094	41	335	0.037	ppbv #	21
23) Vinyl Acetate	2.467	43	555	0.041	ppbv #	20
27) Carbon Disulfide	2.153	76	904	0.079	ppbv #	1
34) 2-Butanone	2.567	43	1068	0.067	ppbv	97
39) 1,2-Dichloropropane	3.962	63	62582	8.022	ppbv #	20
80) Naphthalene,2-methyl-	14.462	142	748	0.037	ppbv	94

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

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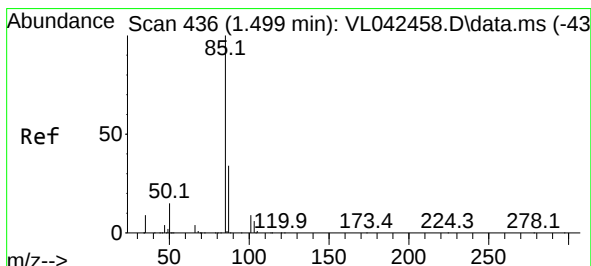
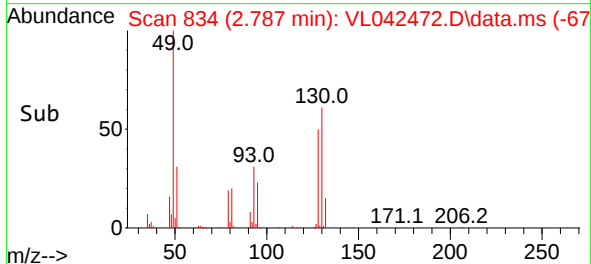
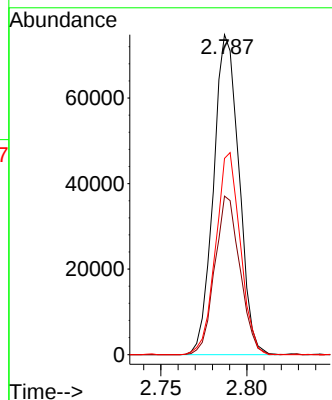
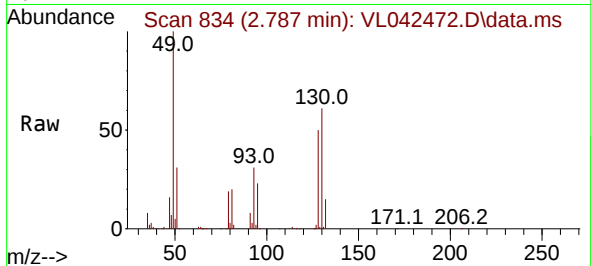




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

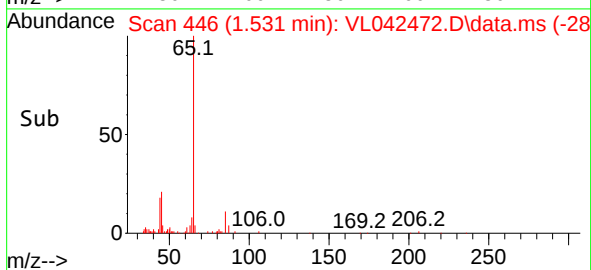
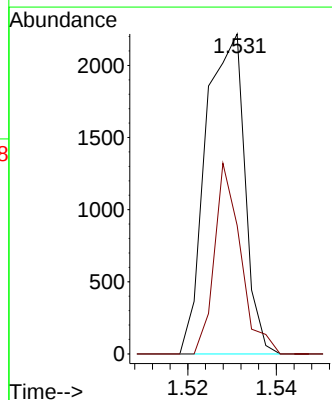
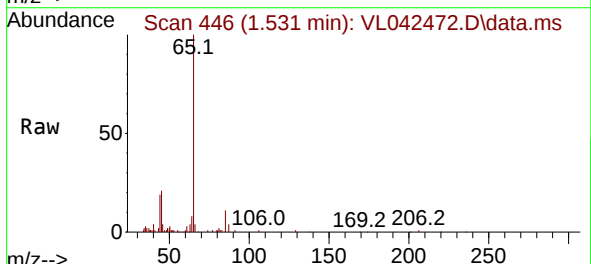
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428DL

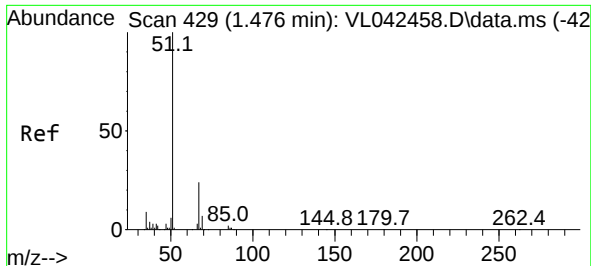
Tgt Ion: 49 Resp: 77085
Ion Ratio Lower Upper
49 100
128 49.0 23.3 69.9
130 61.1 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.106 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.032 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 85 Resp: 1351
Ion Ratio Lower Upper
85 100
87 40.1 26.9 40.3

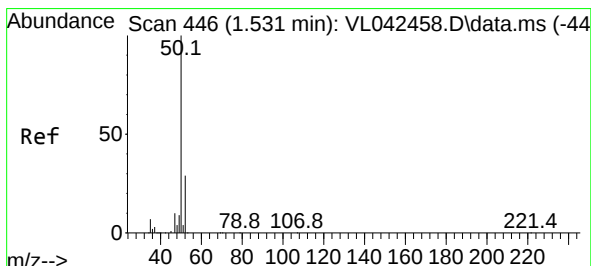
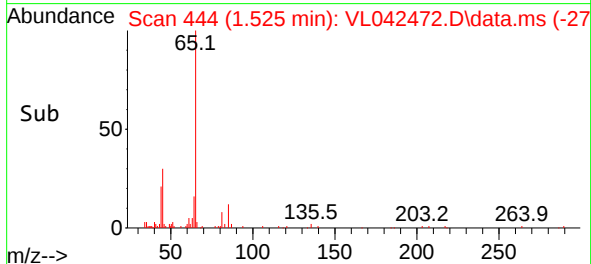
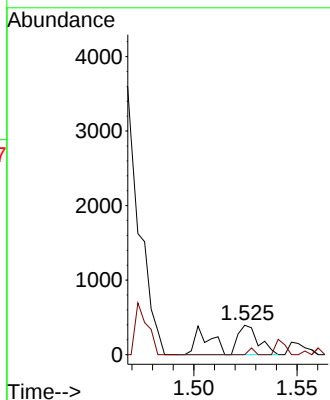
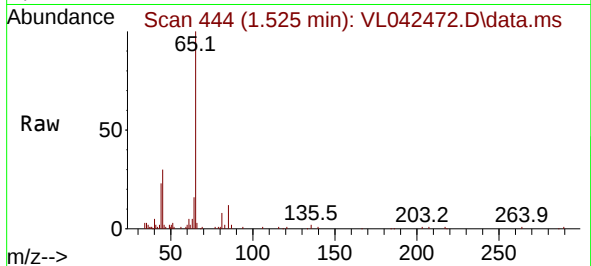




#3
Chlorodifluoromethane
Concen: 0.035 ppbv
RT: 1.525 min Scan# 444
Delta R.T. 0.049 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

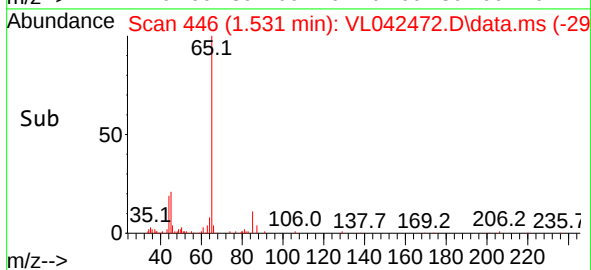
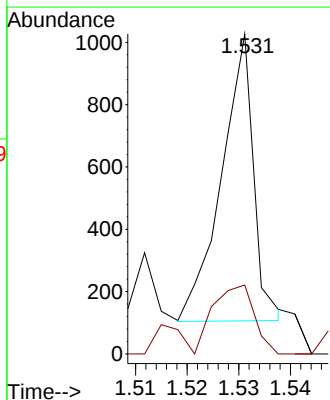
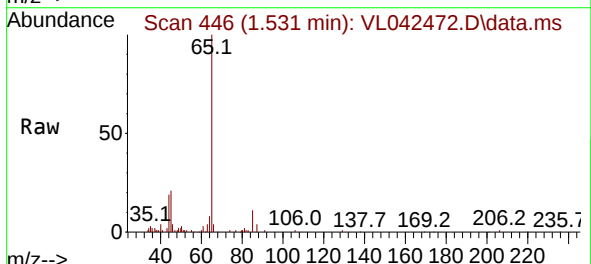
Instrument :
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EBR-P04-SC-SS01-20250428DL

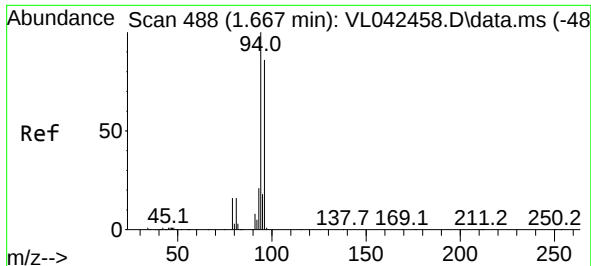
Tgt Ion: 51 Resp: 475
Ion Ratio Lower Upper
51 100
67 23.2 18.4 27.6



#4
Chloromethane
Concen: 0.074 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 50 Resp: 397
Ion Ratio Lower Upper
50 100
52 36.6 23.5 35.3#

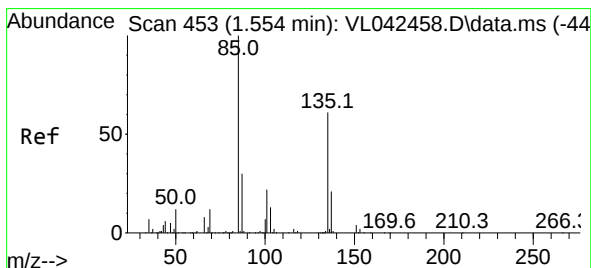
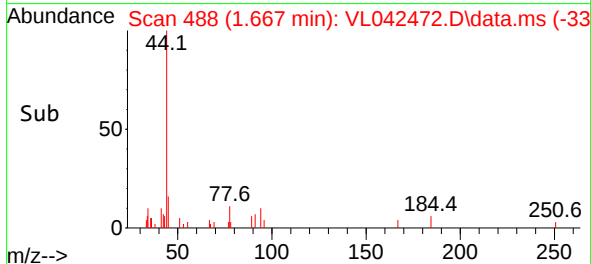
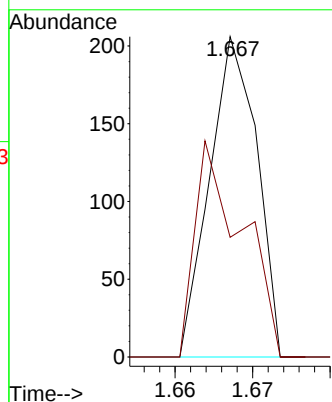
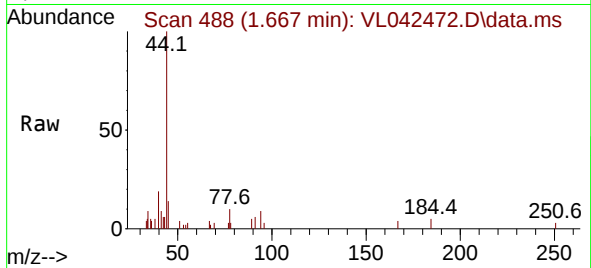




#6
Bromomethane
Concen: 0.034 ppbv
RT: 1.667 min Scan# 441
Delta R.T. 0.000 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

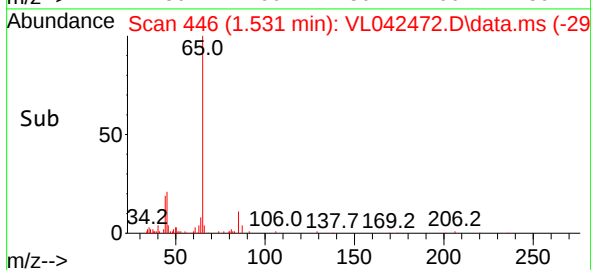
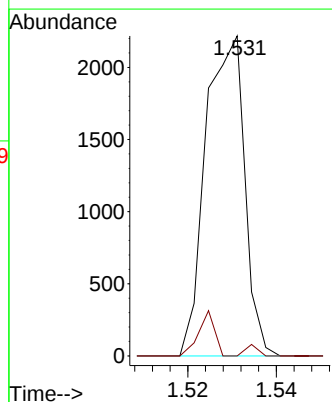
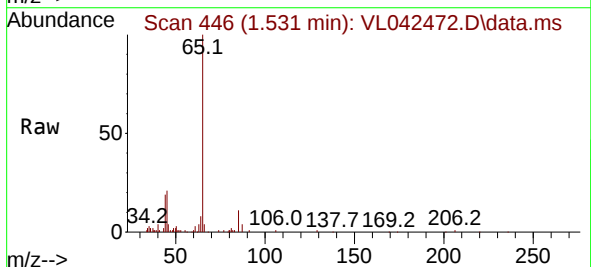
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428DL

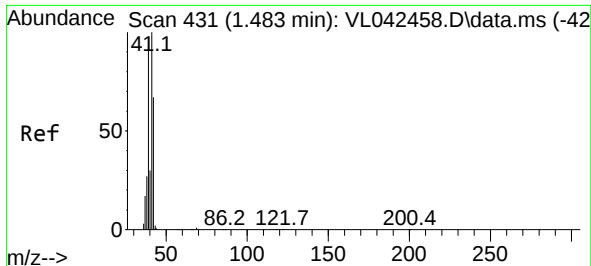
Tgt Ion: 94 Resp: 87
Ion Ratio Lower Upper
94 100
96 37.4 68.8 103.2#



#8
Dichlorotetrafluoroethane
Concen: 0.128 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.023 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 85 Resp: 1351
Ion Ratio Lower Upper
85 100
135 7.0 49.8 74.8#





#9

Propene

Concen: 0.068 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042472.D

Acq: 05 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

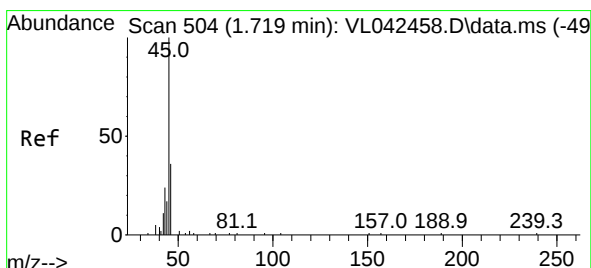
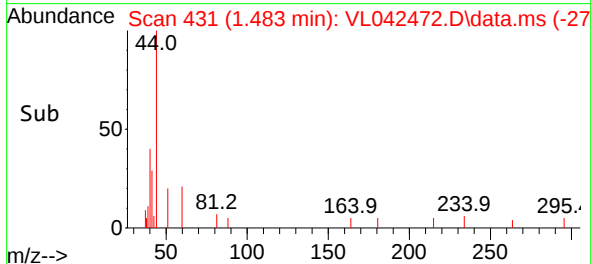
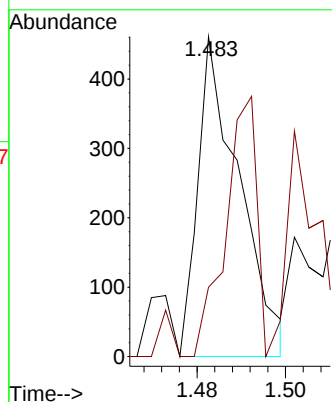
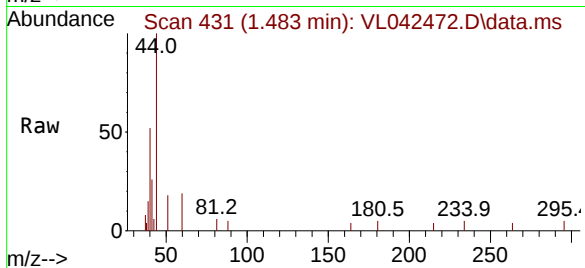
EBR-P04-SC-SS01-20250428DL

Tgt Ion: 41 Resp: 300

Ion Ratio Lower Upper

41 100

42 136.3 54.3 81.5#



#13

Ethanol

Concen: 7.605 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL042472.D

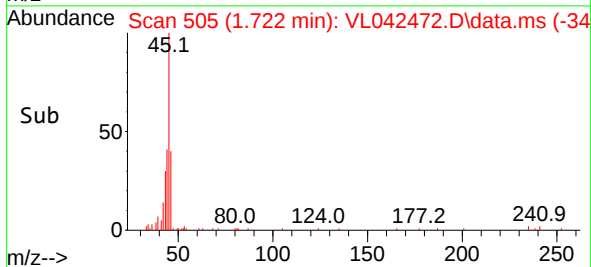
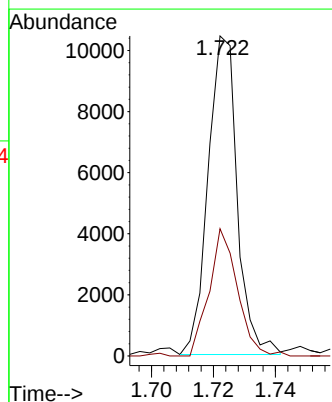
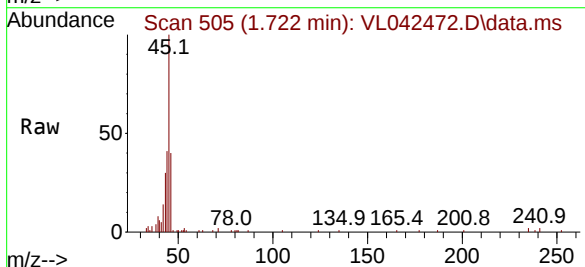
Acq: 05 May 2025 10:50

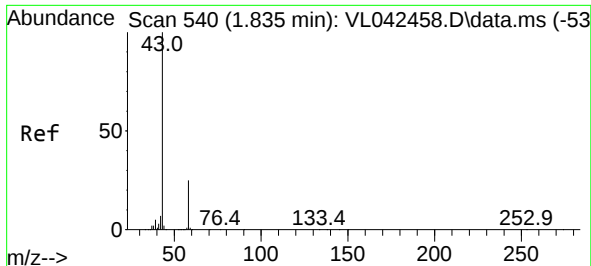
Tgt Ion: 45 Resp: 6808

Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.1#

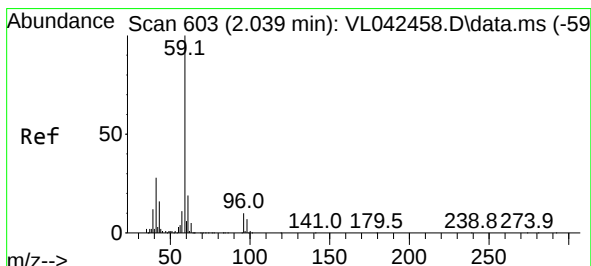
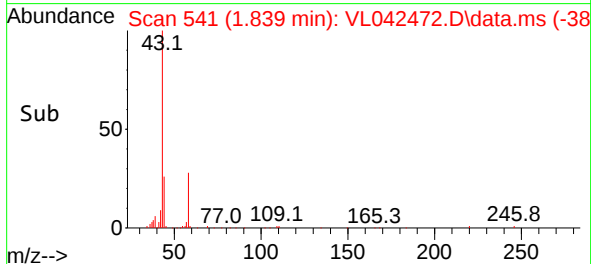
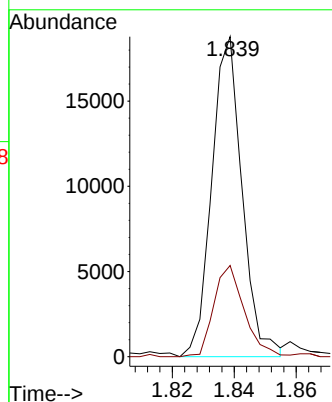
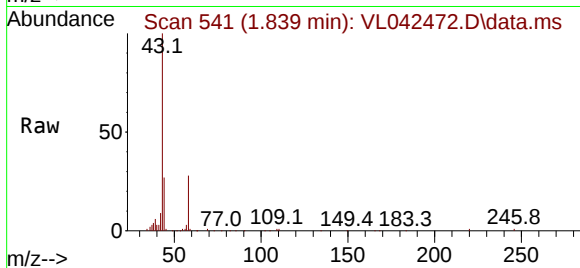




#15
Acetone
Concen: 0.908 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

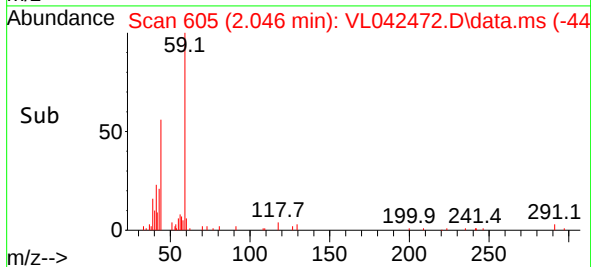
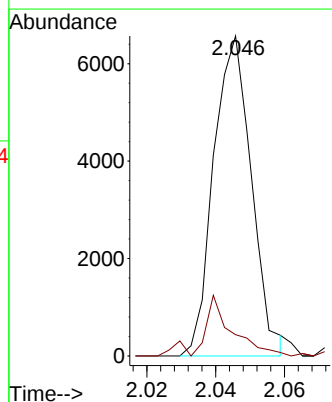
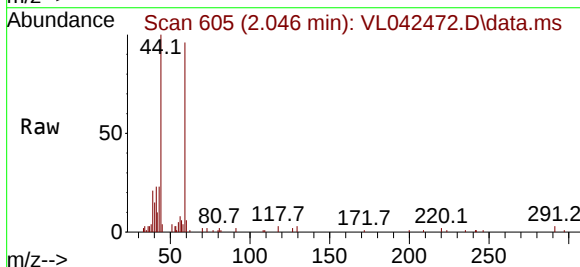
Instrument :
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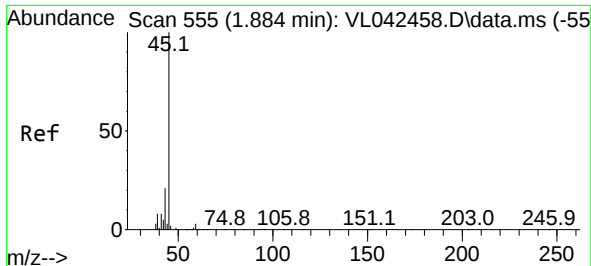
Tgt Ion: 43 Resp: 12771
Ion Ratio Lower Upper
43 100
58 29.6 19.8 29.8



#17
tert-Butyl alcohol
Concen: 0.404 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.007 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 59 Resp: 5011
Ion Ratio Lower Upper
59 100
57 16.5 8.3 12.5#

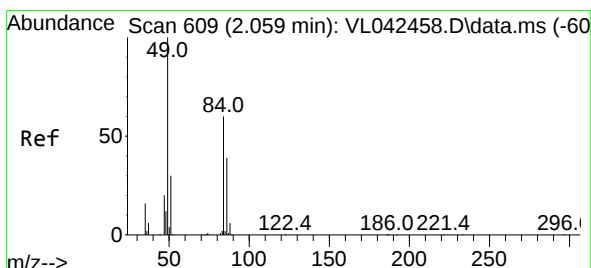
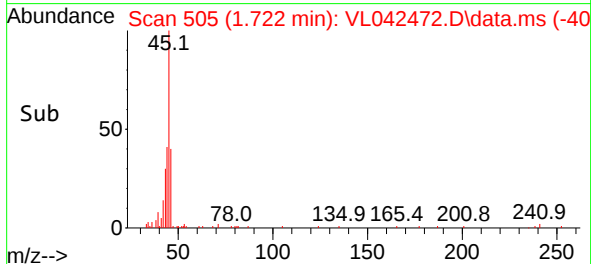
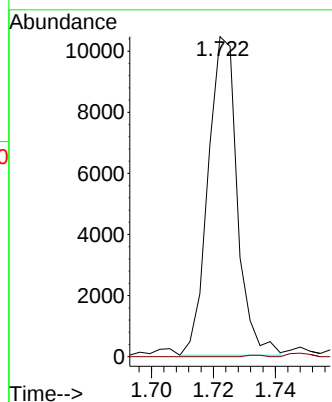
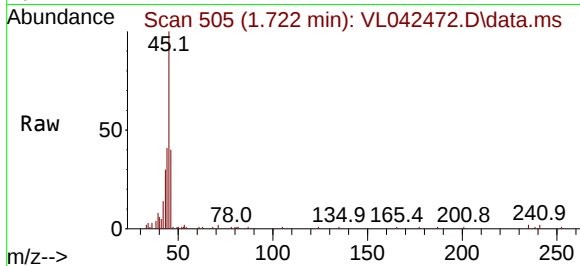




#19
Isopropyl Alcohol
Concen: 0.874 ppbv
RT: 1.722 min Scan# 50
Delta R.T. -0.162 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

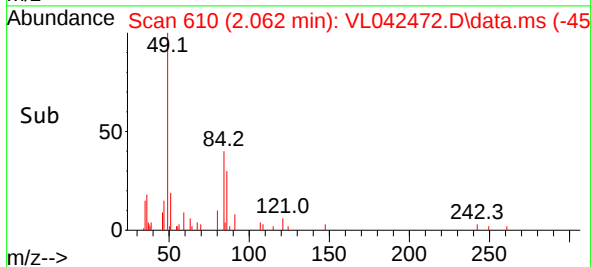
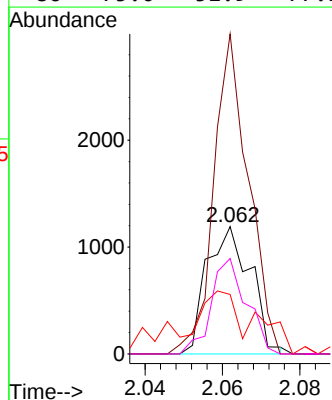
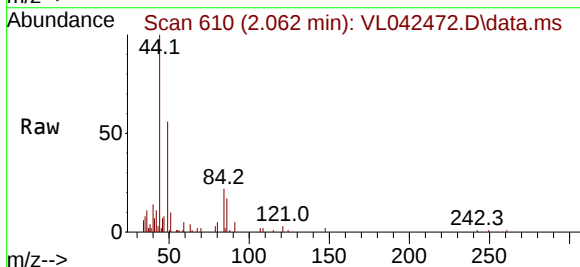
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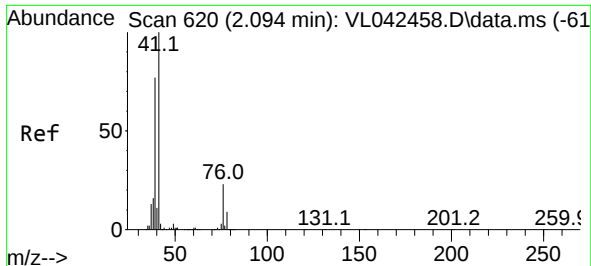
Tgt Ion: 45 Resp: 6808
Ion Ratio Lower Upper
45 100
58 55.4 1.6 2.4#



#20
Methylene Chloride
Concen: 0.221 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 84 Resp: 933
Ion Ratio Lower Upper
84 100
49 251.2 133.9 200.9#
51 33.6 41.0 61.6#
86 75.0 51.9 77.9

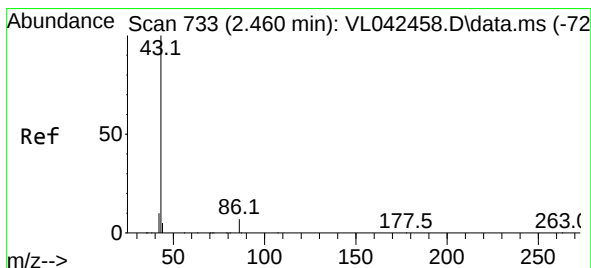
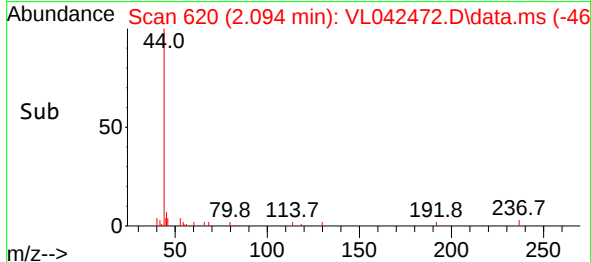
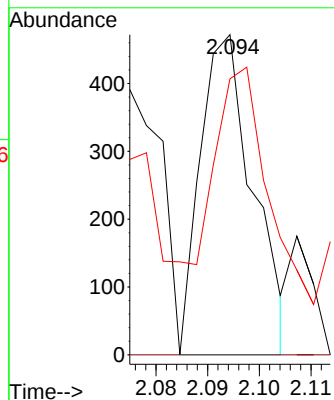
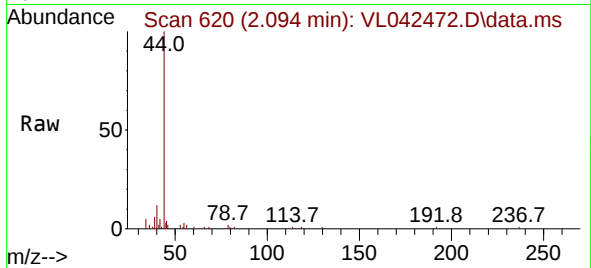




#21
 Allyl Chloride
 Concen: 0.037 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042472.D
 Acq: 05 May 2025 10:50

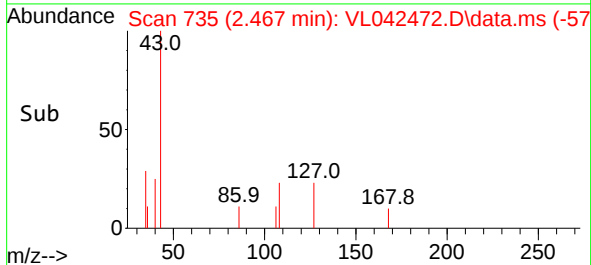
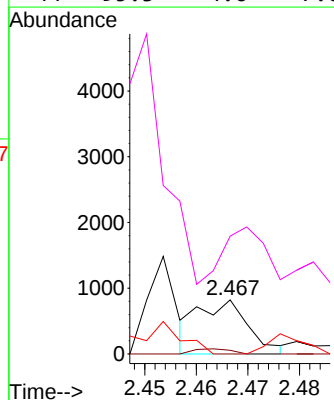
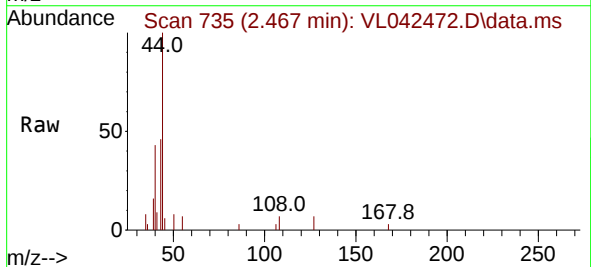
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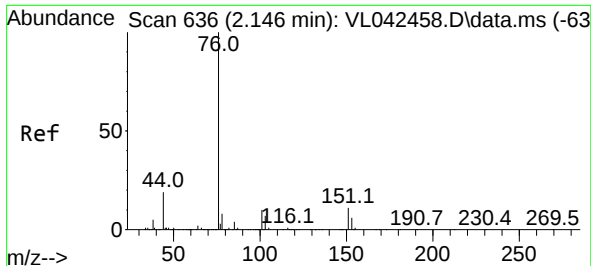
Tgt Ion: 41	Resp:	335
Ion Ratio	Lower	Upper
41	100	
76	0.0	19.6 29.4#
39	0.0	61.0 91.4#



#23
 Vinyl Acetate
 Concen: 0.041 ppbv
 RT: 2.467 min Scan# 735
 Delta R.T. 0.007 min
 Lab File: VL042472.D
 Acq: 05 May 2025 10:50

Tgt Ion: 43	Resp:	555
Ion Ratio	Lower	Upper
43	100	
86	7.9	5.5 8.3
42	0.0	8.3 12.5#
44	95.3	4.6 7.0#

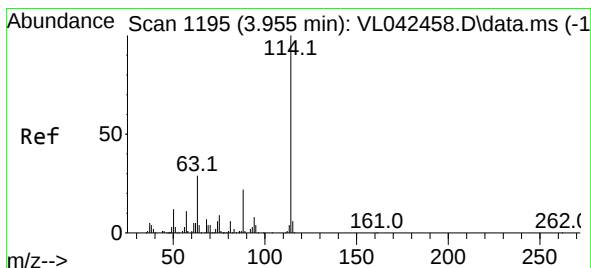
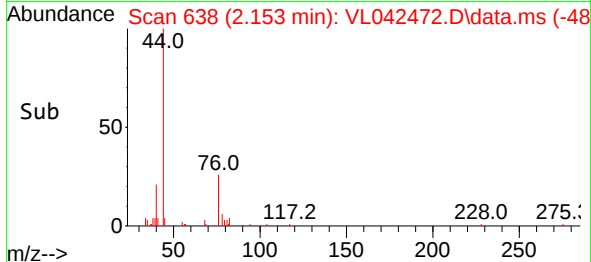
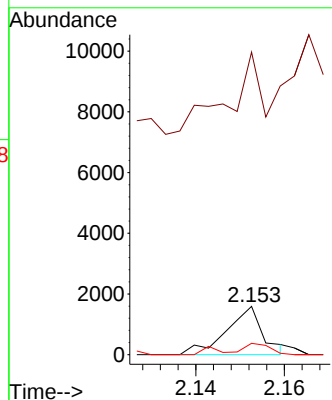
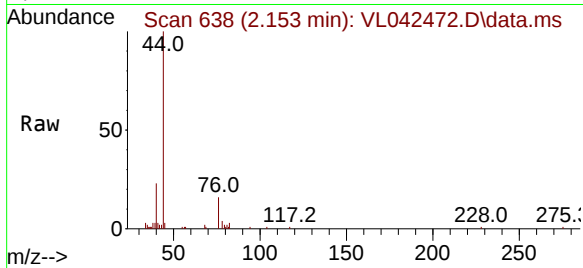




#27
Carbon Disulfide
Concen: 0.079 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

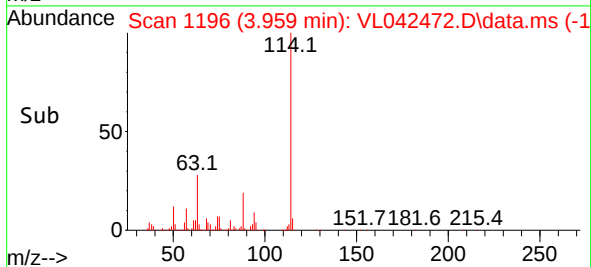
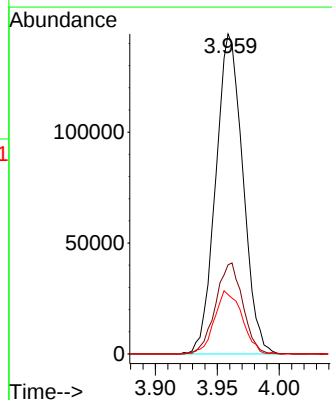
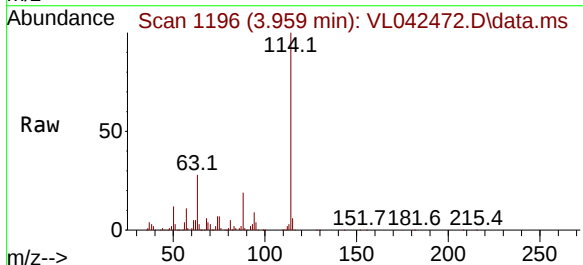
Instrument :
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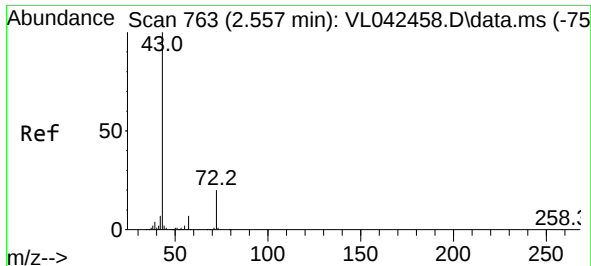
Tgt Ion: 76 Resp: 904
Ion Ratio Lower Upper
76 100
44 3432.6 21.0 31.6#
78 29.2 8.6 13.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 114 Resp: 220817
Ion Ratio Lower Upper
114 100
63 28.4 23.1 34.7
88 20.1 16.1 24.1

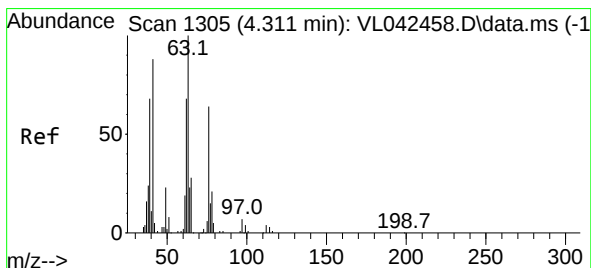
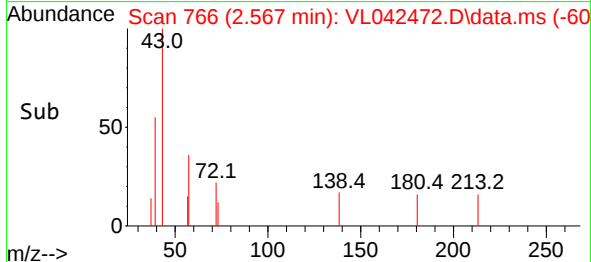
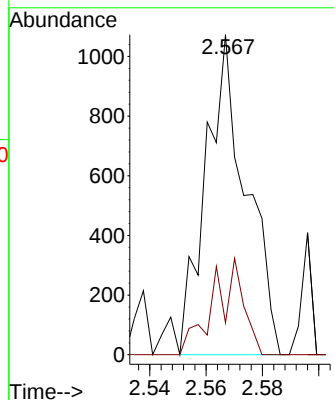
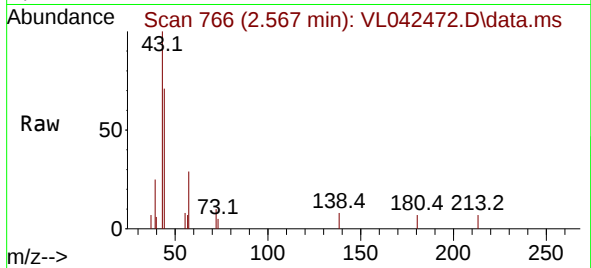




#34
2-Butanone
Concen: 0.067 ppbv
RT: 2.567 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

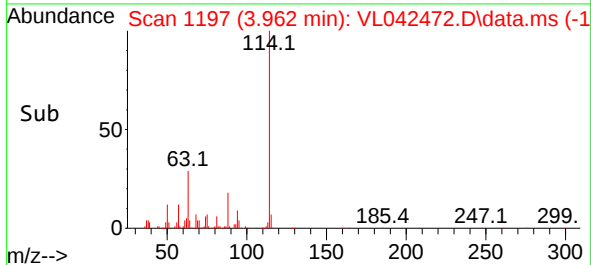
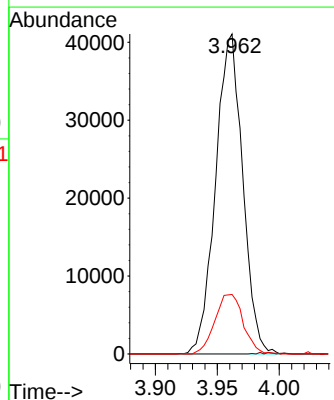
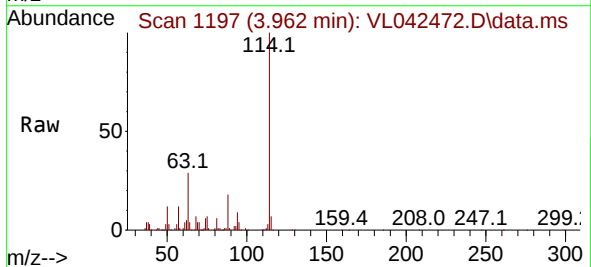
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428DL

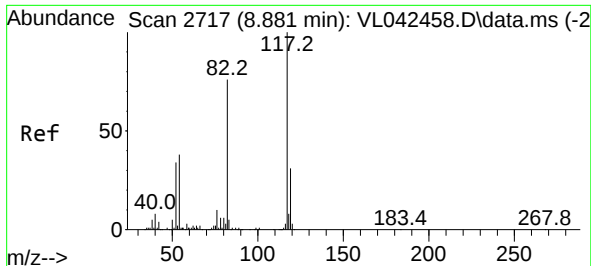
Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
72 22.3 16.7 25.1



#39
1,2-Dichloropropane
Concen: 8.022 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.349 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 63 Resp: 62582
Ion Ratio Lower Upper
63 100
41 0.0 69.8 104.6#
62 18.6 54.3 81.5#

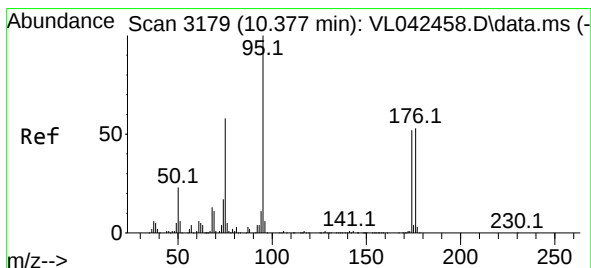
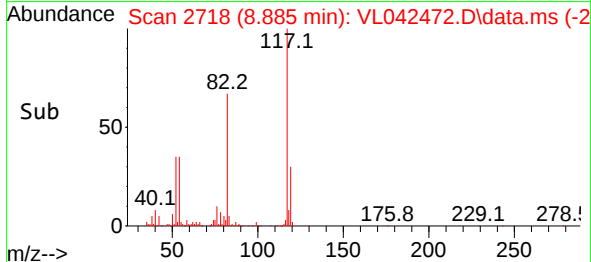
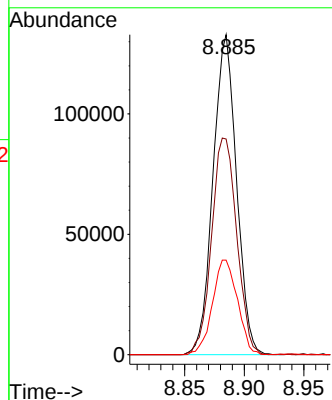
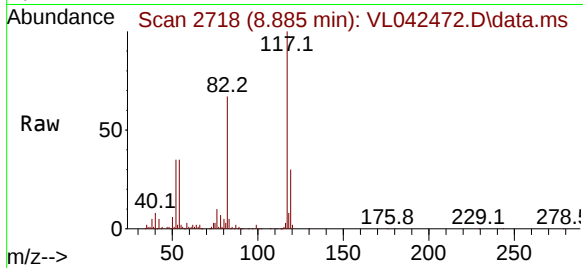




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

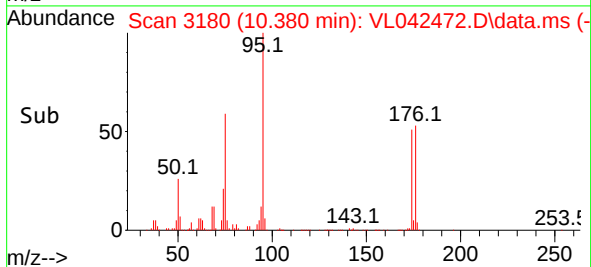
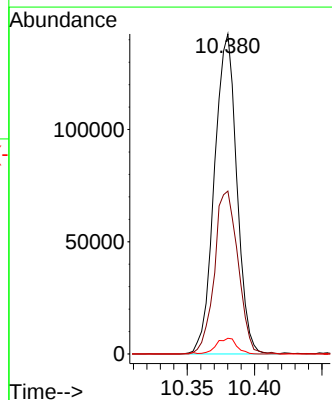
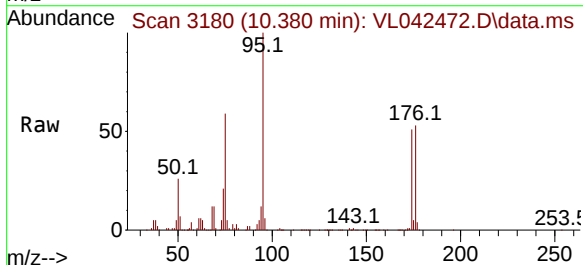
Instrument :
MSVOA_L
ClientSampleId :
EBR-P04-SC-SS01-20250428DL

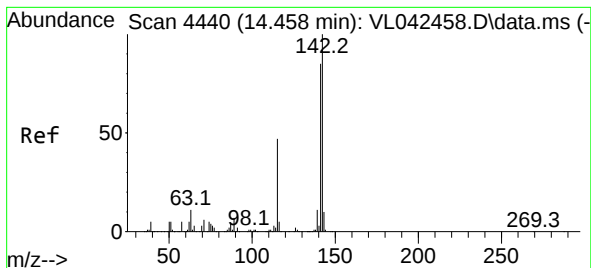
Tgt Ion:117 Resp: 182321
Ion Ratio Lower Upper
117 100
82 72.5 63.5 95.3
119 31.5 25.8 38.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.737 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042472.D
Acq: 05 May 2025 10:50

Tgt Ion: 95 Resp: 164599
Ion Ratio Lower Upper
95 100
174 53.9 42.7 64.1
175 4.6 3.6 5.4





#80

Naphthalene, 2-methyl-

Concen: 0.037 ppbv

RT: 14.462 min Scan# 44

Delta R.T. 0.003 min

Lab File: VL042472.D

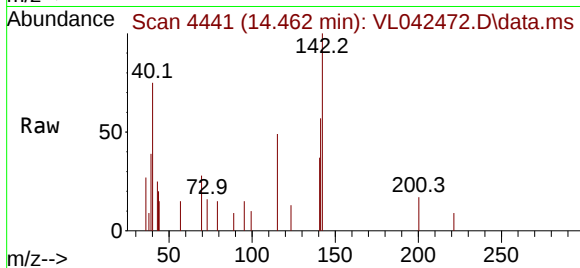
Acq: 05 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion:142 Resp: 748

Ion Ratio Lower Upper

142 100

141 78.7 67.4 101.0

115 41.4 36.9 55.3

