

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042478.D
 Acq On : 05 May 2025 16:25
 Operator : SY/MD
 Sample : Q1927-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P06-SC-IA01-20250428DL

Quant Time: May 06 01:43:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

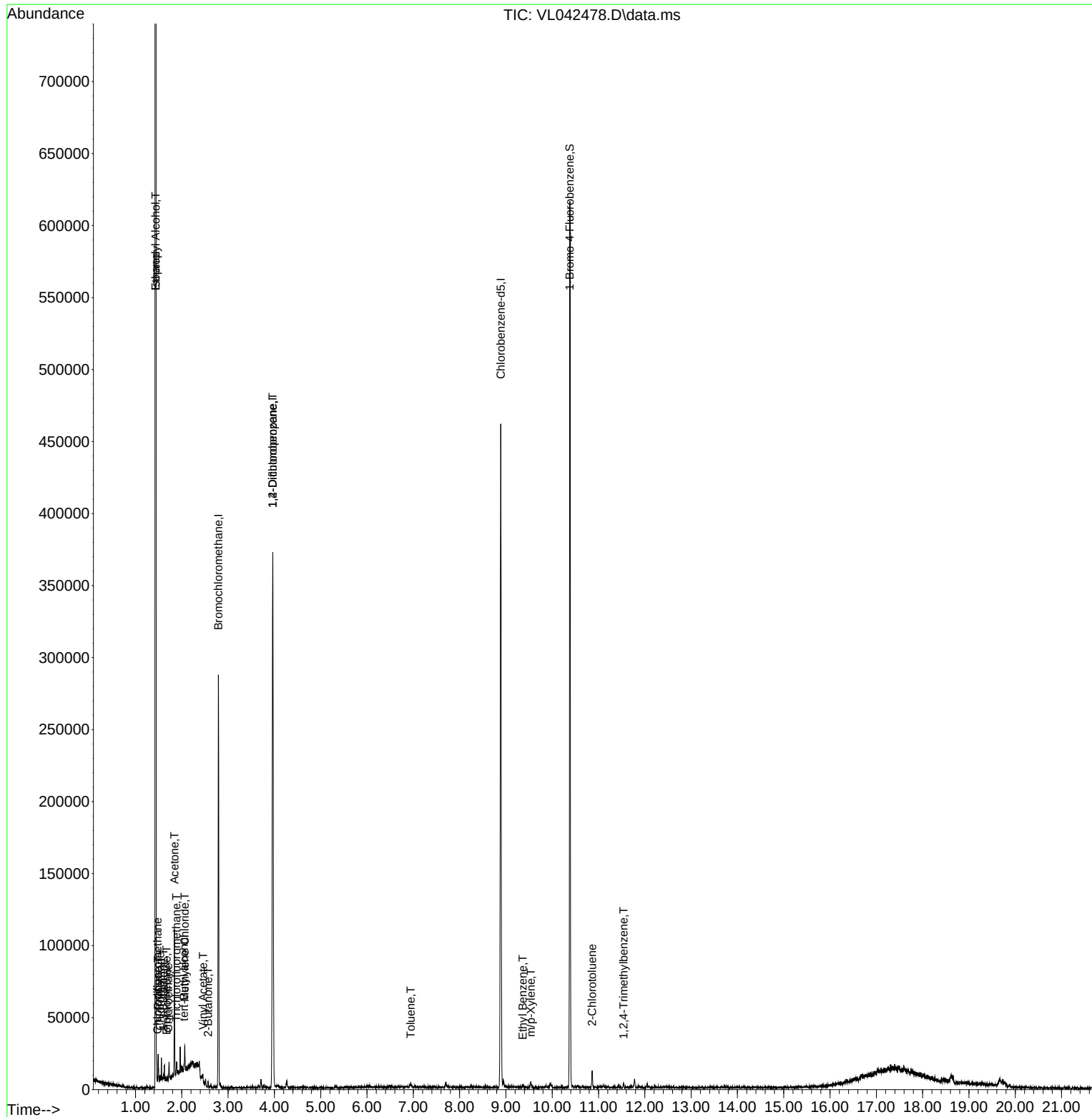
Internal Standards						
1) Bromochloromethane	2.790	49	70372	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	192593	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	162852	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	149493	9.901	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.476	51	2263	0.184	ppbv #	72
4) Chloromethane	1.531	50	759	0.156	ppbv	95
6) Bromomethane	1.674	94	106	0.046	ppbv #	6
7) Chloroethane	1.706	64	157	0.087	ppbv #	43
9) Propene	1.489	41	1827	0.454	ppbv	84
11) Trichlorofluoromethane	1.881	101	980	0.091	ppbv #	83
13) Ethanol	1.437	45	135130	165.348	ppbv #	1
15) Acetone	1.839	43	42736	3.327	ppbv	100
16) 1,3-Butadiene	1.606	39	382	0.067	ppbv #	15
17) tert-Butyl alcohol	2.049	59	754	0.067	ppbv #	66
19) Isopropyl Alcohol	1.437	45	135130	19.006	ppbv #	94
20) Methylene Chloride	2.062	84	2848	0.737	ppbv #	61
23) Vinyl Acetate	2.457	43	2832	0.231	ppbv #	65
34) 2-Butanone	2.567	43	2262	0.162	ppbv	92
39) 1,2-Dichloropropane	3.965	63	57810	8.497	ppbv #	22
53) Toluene	6.946	91	1007	0.052	ppbv #	29
58) Ethyl Benzene	9.361	91	844	0.031	ppbv	90
59) m/p-Xylene	9.539	91	1320	0.058	ppbv #	65
71) 2-Chlorotoluene	10.862	91	1634	0.063	ppbv #	55
74) 1,2,4-Trimethylbenzene	11.539	105	873	0.030	ppbv #	61

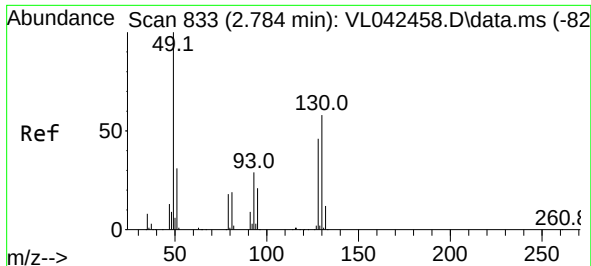
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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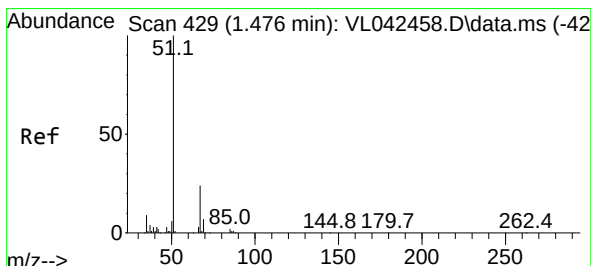
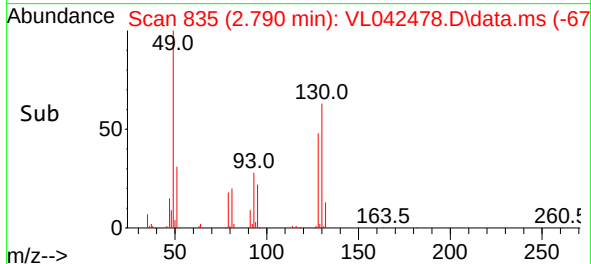
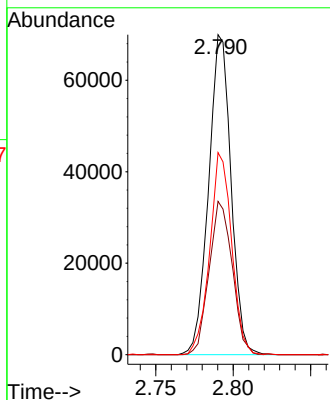
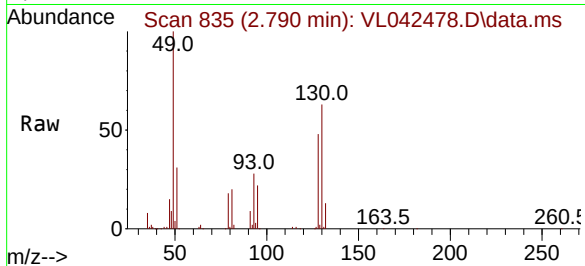




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

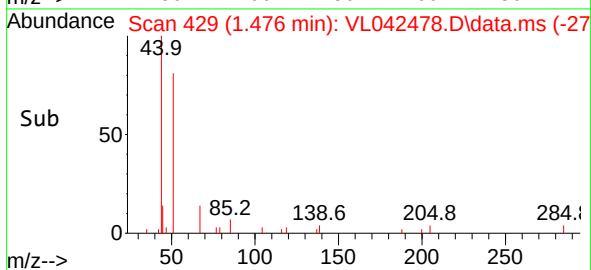
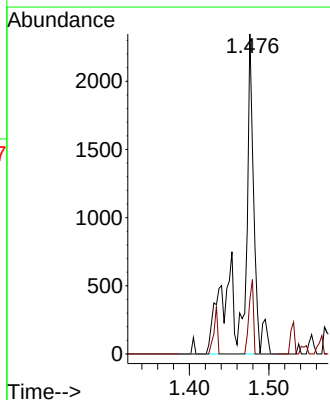
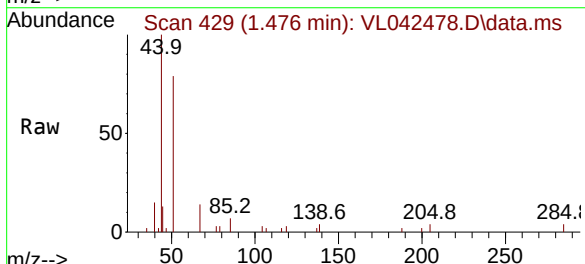
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428DL

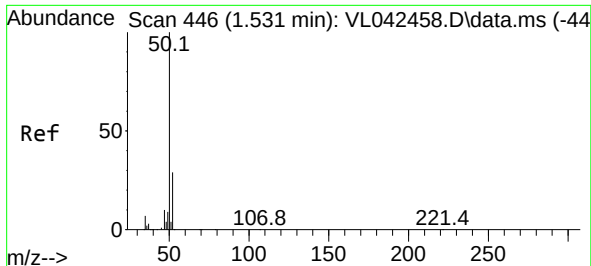
Tgt Ion: 49 Resp: 70372
Ion Ratio Lower Upper
49 100
128 49.5 23.3 69.9
130 61.8 29.5 88.6



#3
Chlorodifluoromethane
Concen: 0.184 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

Tgt Ion: 51 Resp: 2263
Ion Ratio Lower Upper
51 100
67 9.4 18.4 27.6#

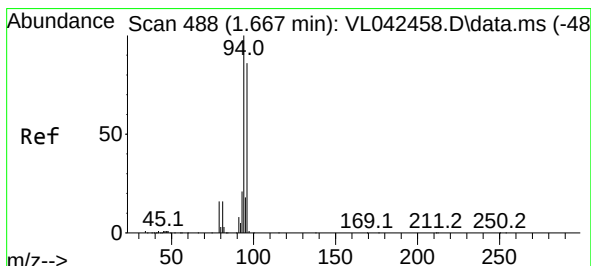
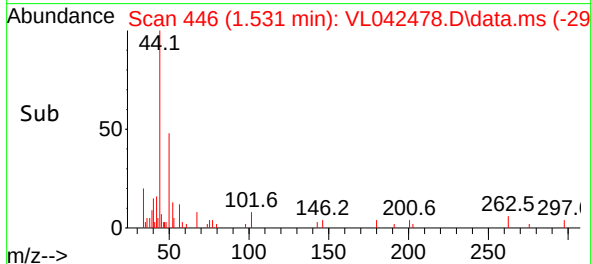
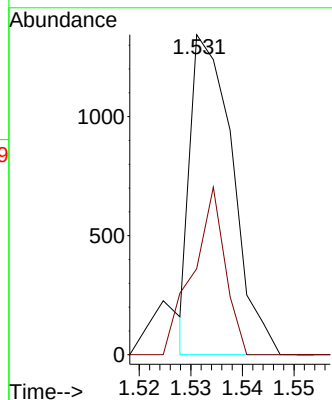
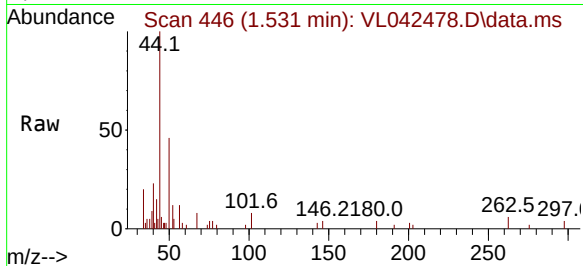




#4
Chloromethane
Concen: 0.156 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

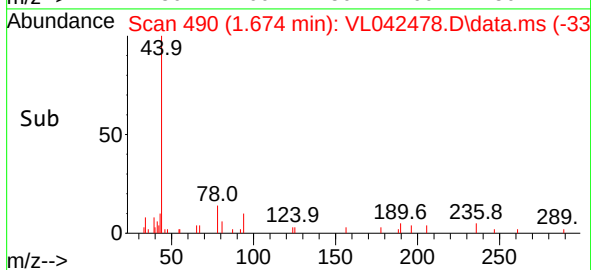
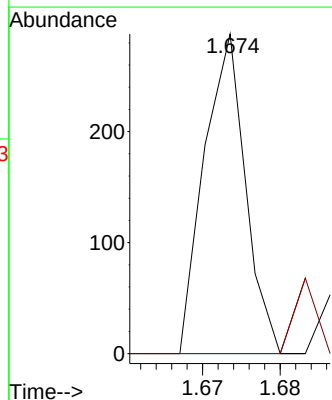
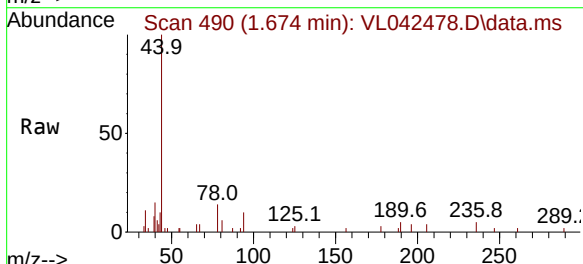
Instrument : MSVOA_L
ClientSampleId : EBR-P06-SC-IA01-20250428DL

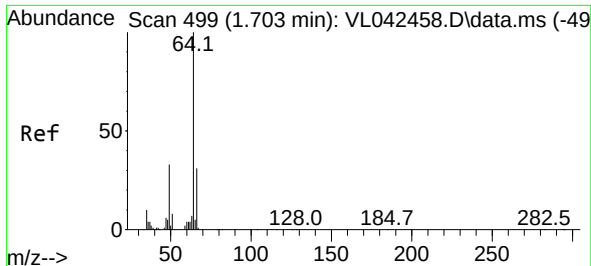
Tgt Ion: 50 Resp: 759
Ion Ratio Lower Upper
50 100
52 26.9 23.5 35.3



#6
Bromomethane
Concen: 0.046 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.007 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

Tgt Ion: 94 Resp: 106
Ion Ratio Lower Upper
94 100
96 0.0 68.8 103.2#

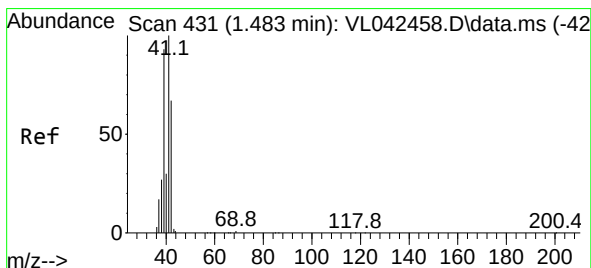
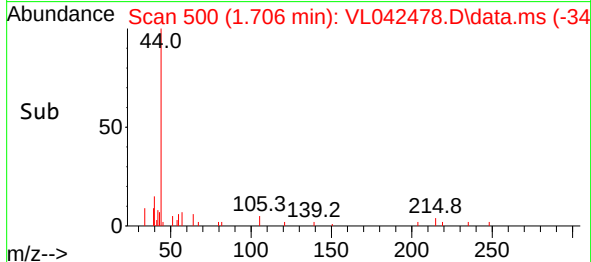
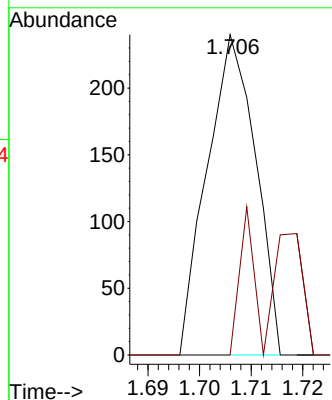
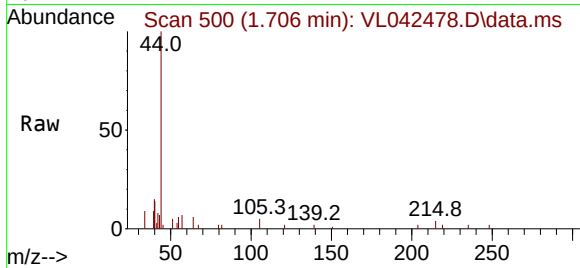




#7
Chloroethane
Concen: 0.087 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

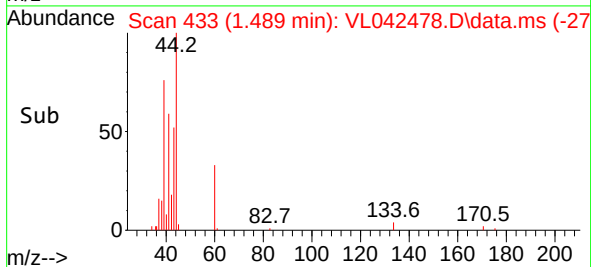
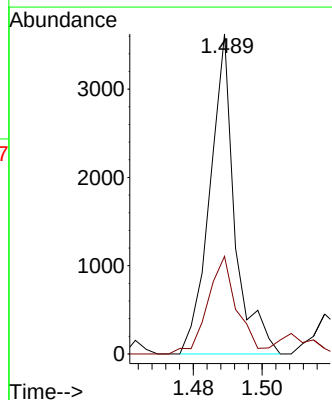
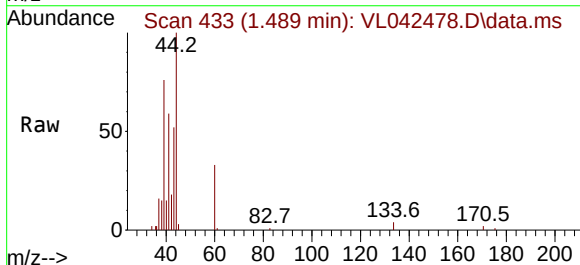
Instrument :
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ClientSampleId :
EBR-P06-SC-IA01-20250428DL

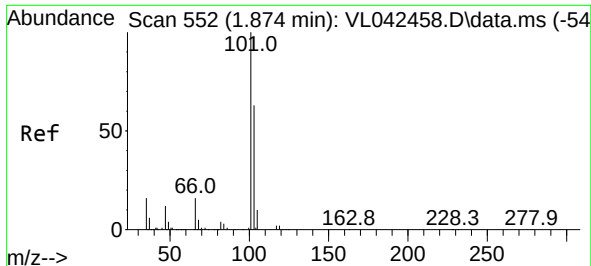
Tgt Ion: 64 Resp: 157
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#9
Propene
Concen: 0.454 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

Tgt Ion: 41 Resp: 1827
Ion Ratio Lower Upper
41 100
42 55.2 54.3 81.5

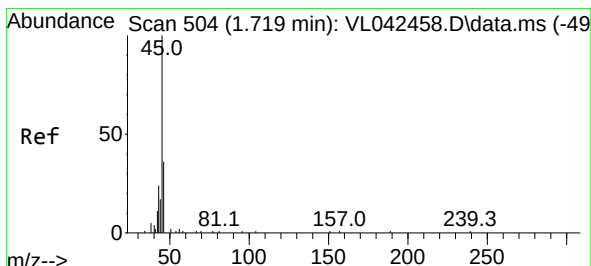
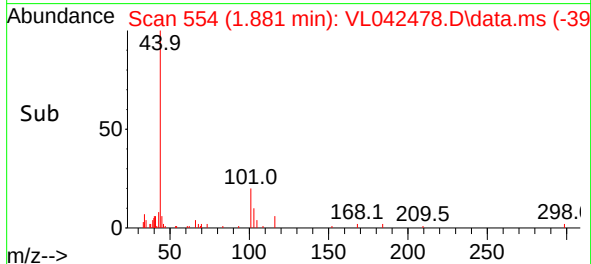
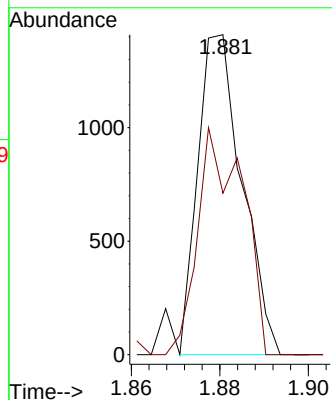
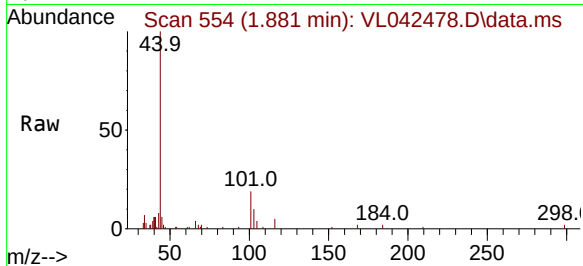




#11
 Trichlorofluoromethane
 Concen: 0.091 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.007 min
 Lab File: VL042478.D
 Acq: 05 May 2025 16:25

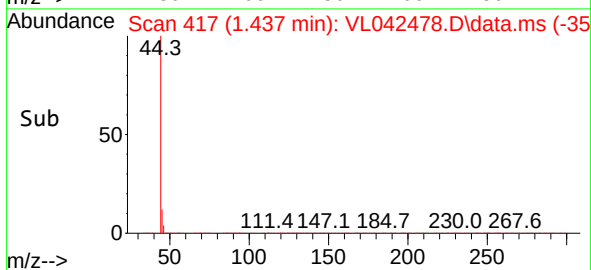
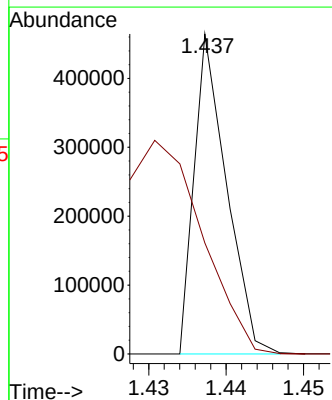
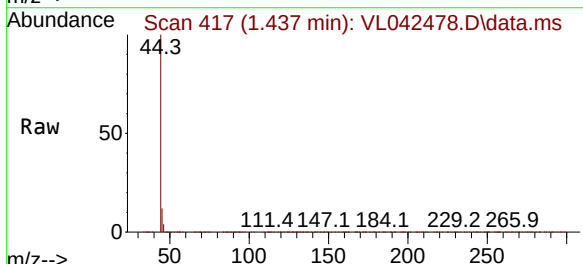
Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P06-SC-IA01-20250428DL

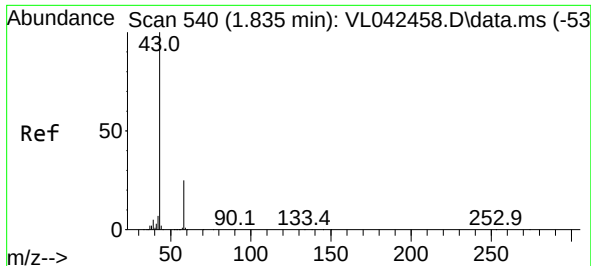
Tgt Ion:101 Resp: 980
 Ion Ratio Lower Upper
 101 100
 103 50.5 50.6 76.0#



#13
 Ethanol
 Concen: 165.348 ppbv
 RT: 1.437 min Scan# 417
 Delta R.T. -0.282 min
 Lab File: VL042478.D
 Acq: 05 May 2025 16:25

Tgt Ion: 45 Resp: 135130
 Ion Ratio Lower Upper
 45 100
 46 165.5 15.3 61.1#





#15

Acetone

Concen: 3.327 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042478.D

Acq: 05 May 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

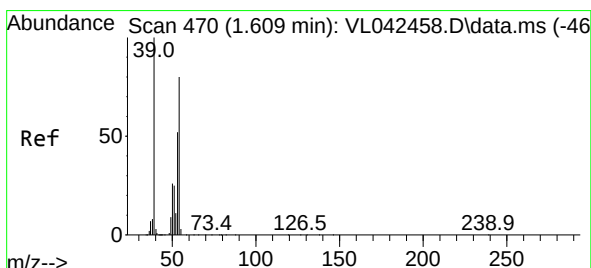
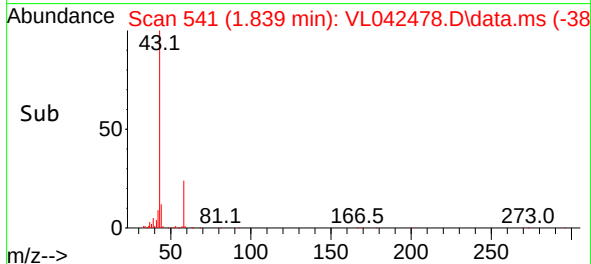
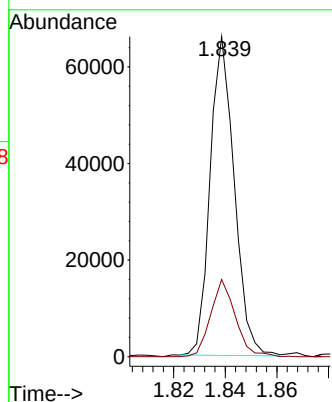
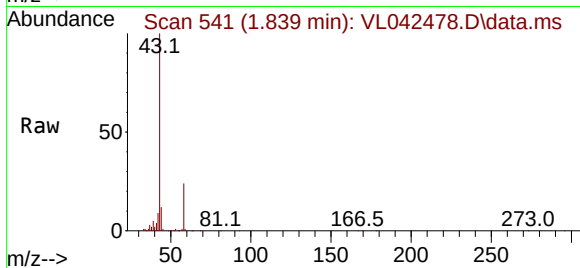
EBR-P06-SC-IA01-20250428DL

Tgt Ion: 43 Resp: 42736

Ion Ratio Lower Upper

43 100

58 24.8 19.8 29.8



#16

1,3-Butadiene

Concen: 0.067 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.003 min

Lab File: VL042478.D

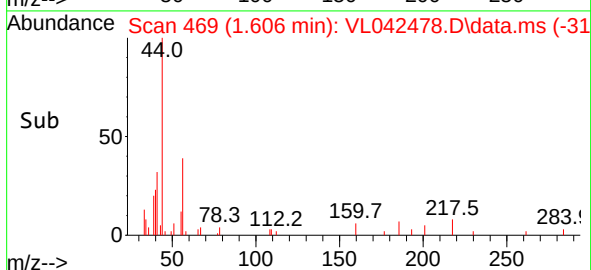
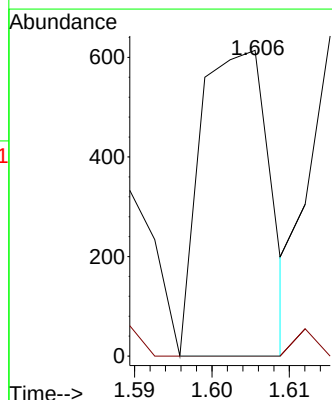
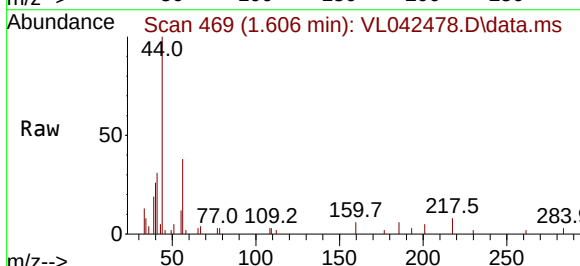
Acq: 05 May 2025 16:25

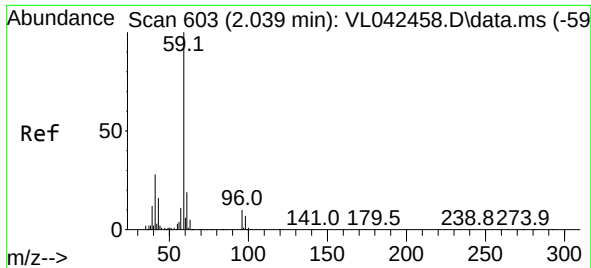
Tgt Ion: 39 Resp: 382

Ion Ratio Lower Upper

39 100

54 0.0 55.2 82.8#

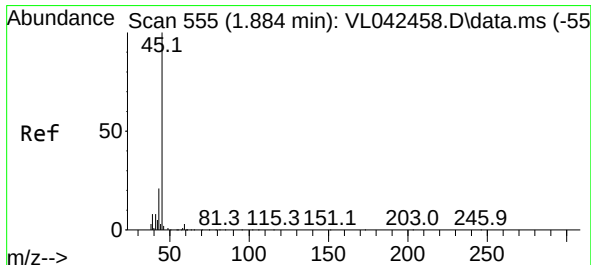
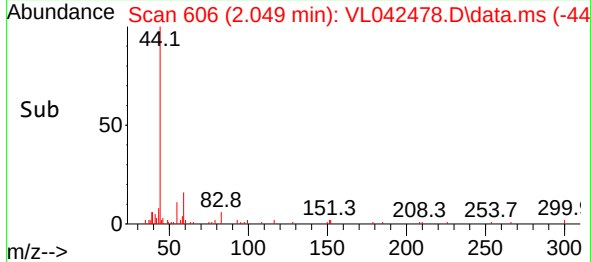
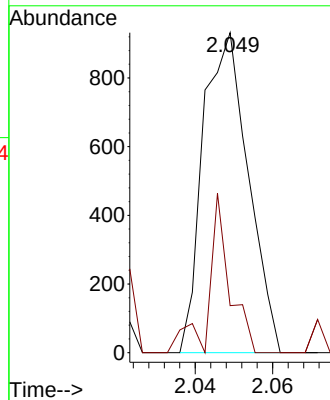
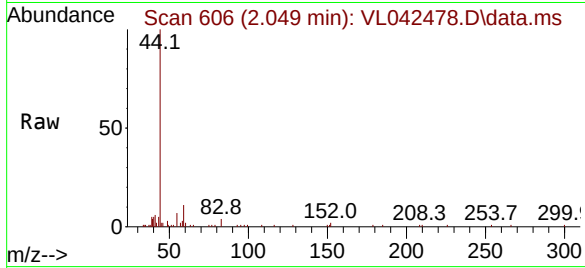




#17
tert-Butyl alcohol
Concen: 0.067 ppbv
RT: 2.049 min Scan# 603
Delta R.T. 0.010 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

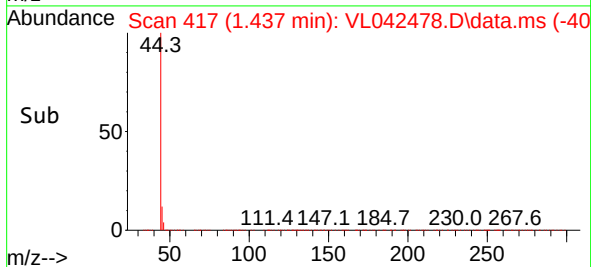
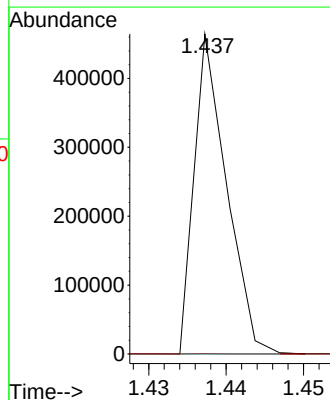
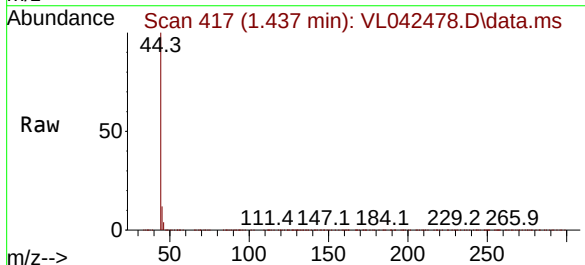
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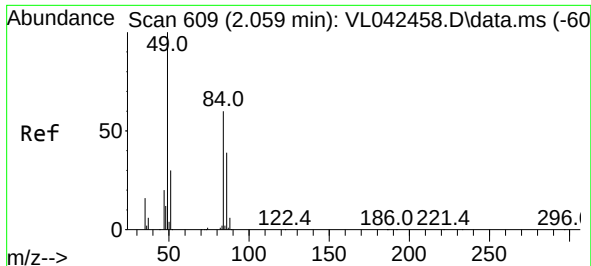
Tgt Ion: 59 Resp: 754
Ion Ratio Lower Upper
59 100
57 22.9 8.3 12.5#



#19
Isopropyl Alcohol
Concen: 19.006 ppbv
RT: 1.437 min Scan# 417
Delta R.T. -0.447 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

Tgt Ion: 45 Resp: 135130
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





#20

Methylene Chloride

Concen: 0.737 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042478.D

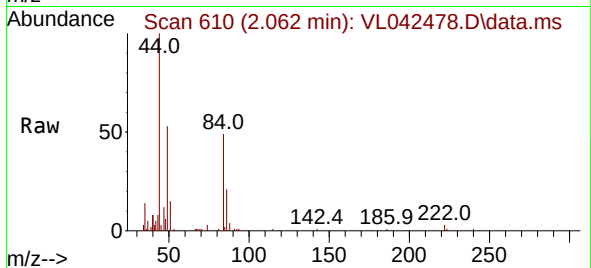
Acq: 05 May 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

EBR-P06-SC-IA01-20250428DL



Tgt Ion: 84 Resp: 2848

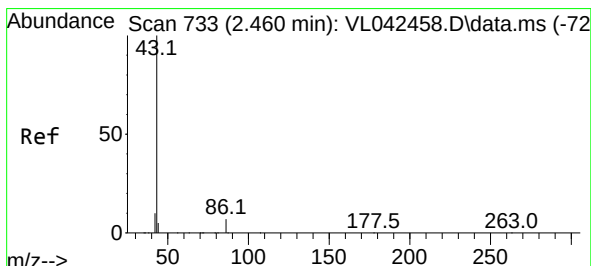
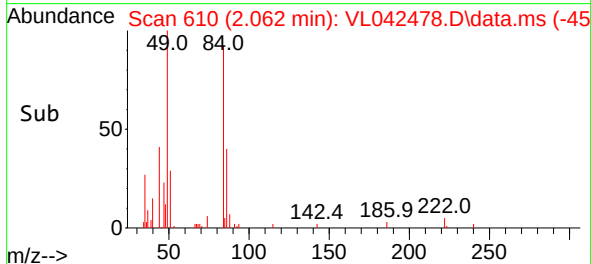
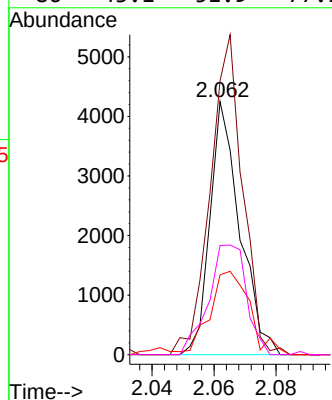
Ion Ratio Lower Upper

84 100

49 105.5 133.9 200.9#

51 30.3 41.0 61.6#

86 43.1 51.9 77.9#



#23

Vinyl Acetate

Concen: 0.231 ppbv

RT: 2.457 min Scan# 732

Delta R.T. -0.003 min

Lab File: VL042478.D

Acq: 05 May 2025 16:25

Tgt Ion: 43 Resp: 2832

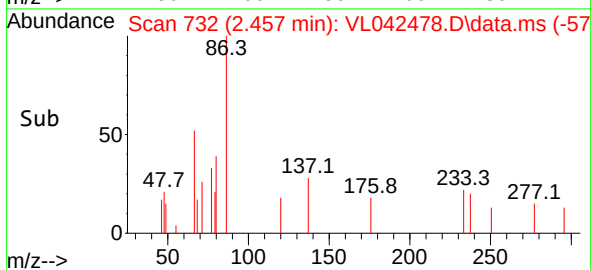
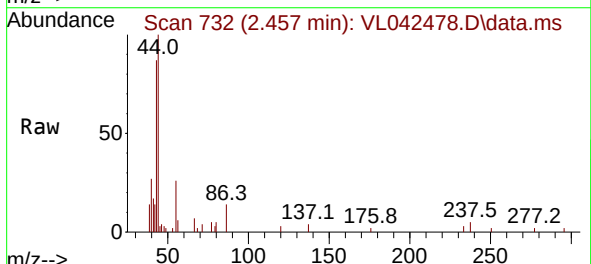
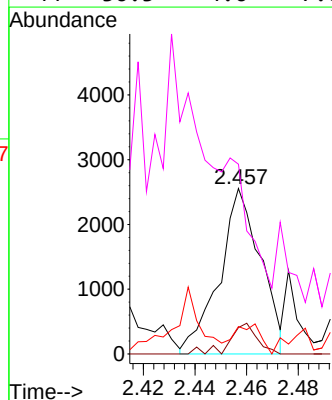
Ion Ratio Lower Upper

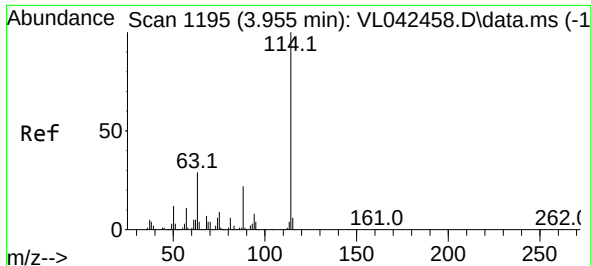
43 100

86 16.5 5.5 8.3#

42 6.9 8.3 12.5#

44 36.3 4.6 7.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL042478.D

Acq: 05 May 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

EBR-P06-SC-IA01-20250428DL

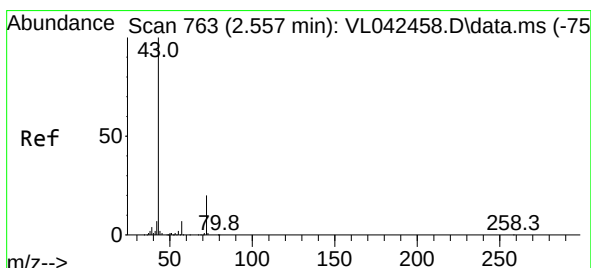
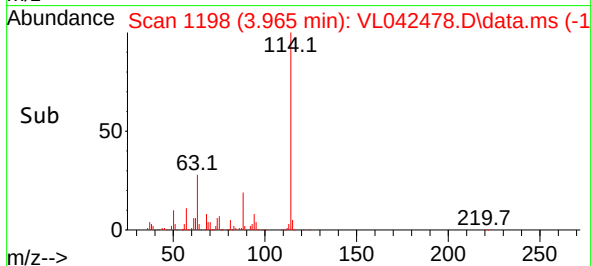
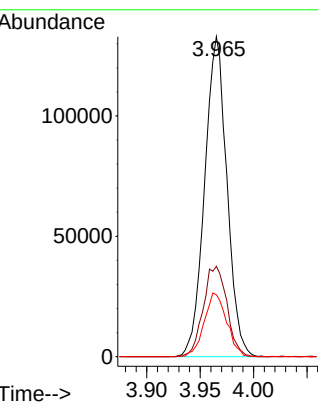
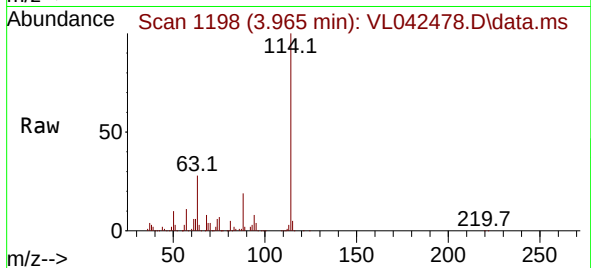
Tgt Ion:114 Resp: 192593

Ion Ratio Lower Upper

114 100

63 30.0 23.1 34.7

88 20.2 16.1 24.1



#34

2-Butanone

Concen: 0.162 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.010 min

Lab File: VL042478.D

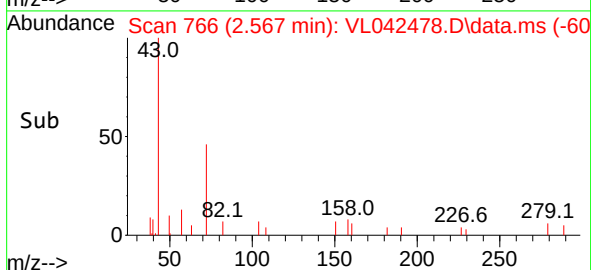
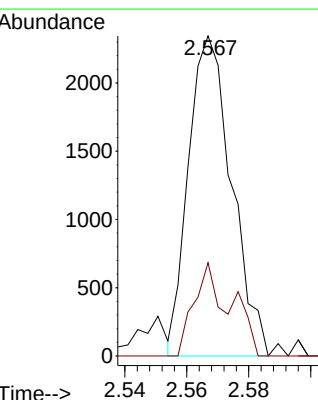
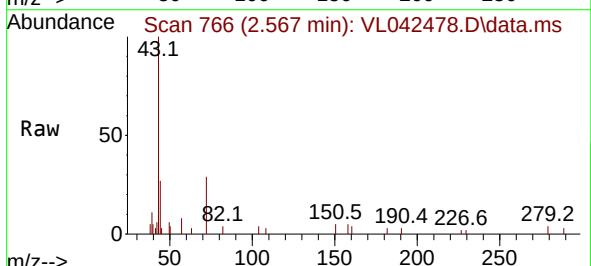
Acq: 05 May 2025 16:25

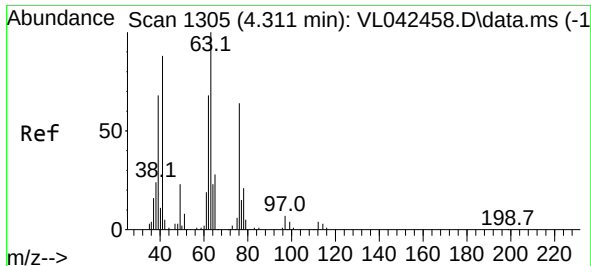
Tgt Ion: 43 Resp: 2262

Ion Ratio Lower Upper

43 100

72 24.5 16.7 25.1





#39

1,2-Dichloropropane

Concen: 8.497 ppbv

RT: 3.965 min Scan# 1119

Delta R.T. -0.346 min

Lab File: VL042478.D

Acq: 05 May 2025 16:25

Instrument :

MSVOA_L

ClientSampleId :

EBR-P06-SC-IA01-20250428DL

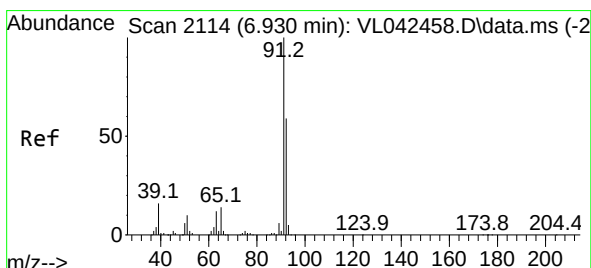
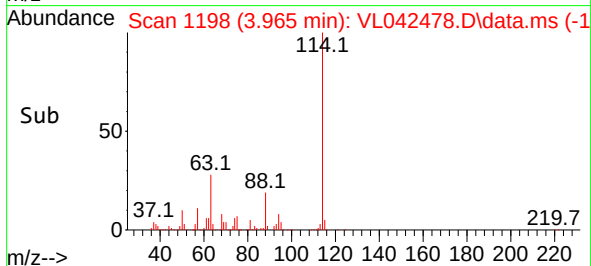
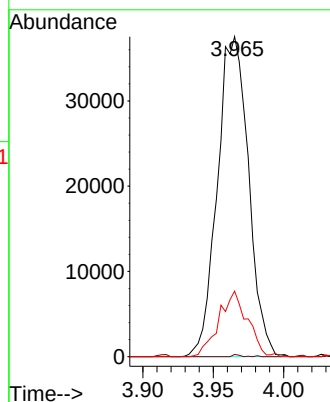
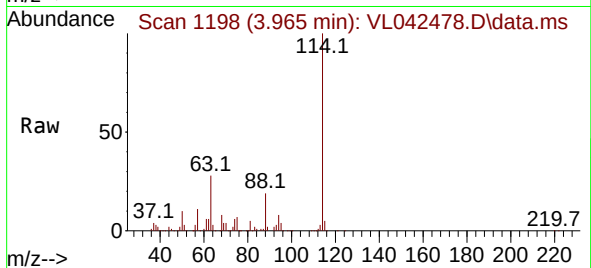
Tgt Ion: 63 Resp: 57810

Ion Ratio Lower Upper

63 100

41 0.7 69.8 104.6#

62 20.5 54.3 81.5#



#53

Toluene

Concen: 0.052 ppbv

RT: 6.946 min Scan# 2119

Delta R.T. 0.016 min

Lab File: VL042478.D

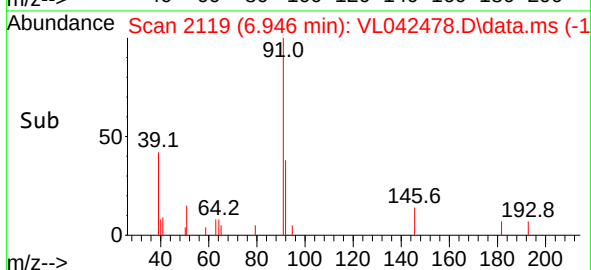
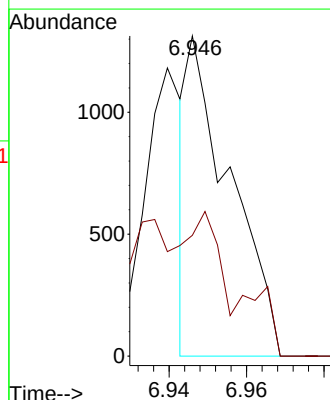
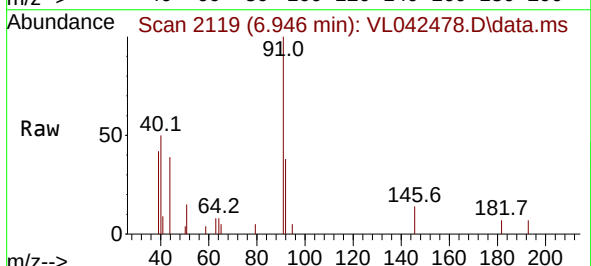
Acq: 05 May 2025 16:25

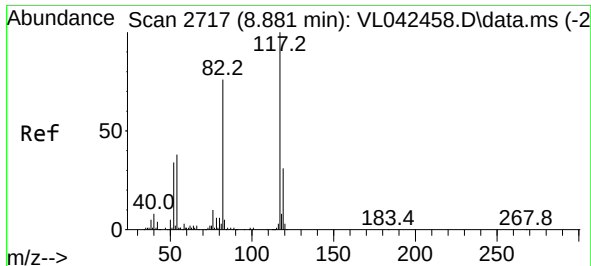
Tgt Ion: 91 Resp: 1007

Ion Ratio Lower Upper

91 100

92 113.4 47.9 71.9#

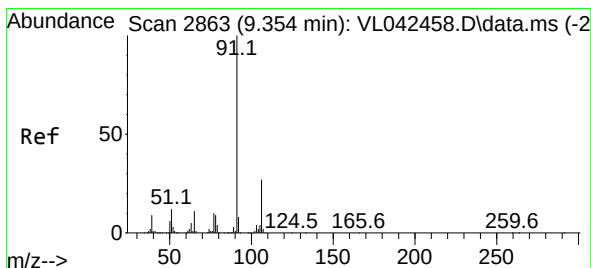
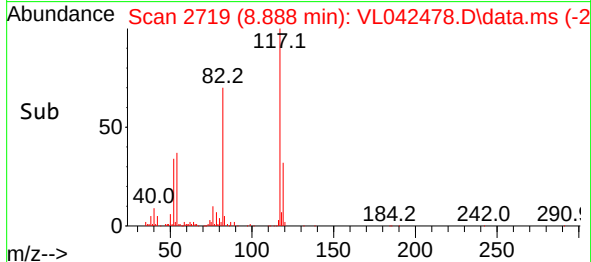
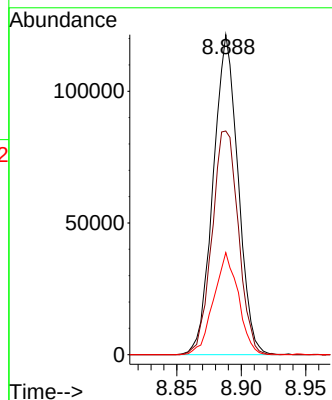
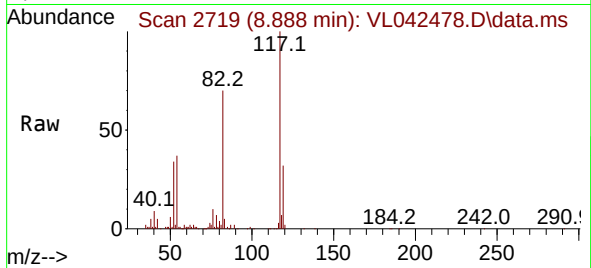




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

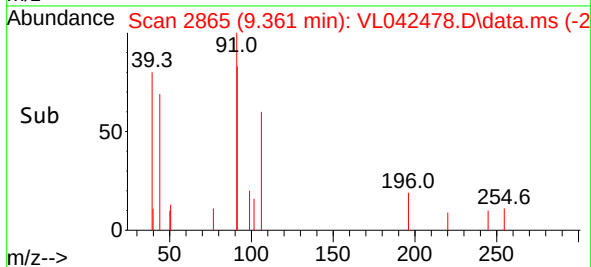
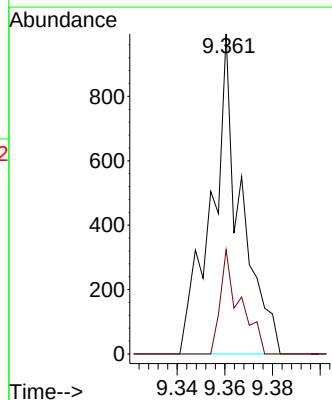
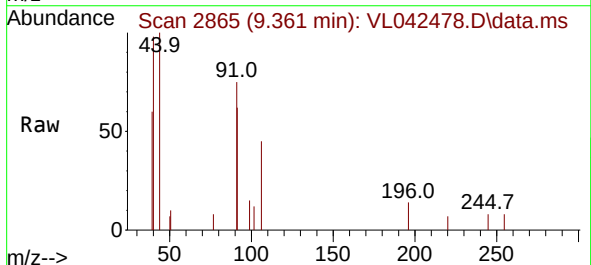
Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428DL

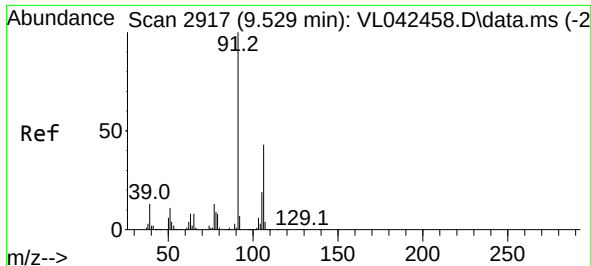
Tgt Ion: 117 Resp: 162852
Ion Ratio Lower Upper
117 100
82 74.3 63.5 95.3
119 31.7 25.8 38.8



#58
Ethyl Benzene
Concen: 0.031 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

Tgt Ion: 91 Resp: 844
Ion Ratio Lower Upper
91 100
106 32.6 21.9 32.9





#59

m/p-Xylene

Concen: 0.058 ppbv

RT: 9.539 min Scan# 2917

Delta R.T. 0.010 min

Lab File: VL042478.D

Acq: 05 May 2025 16:25

Instrument :

MSVOA_1

ClientSampleId :

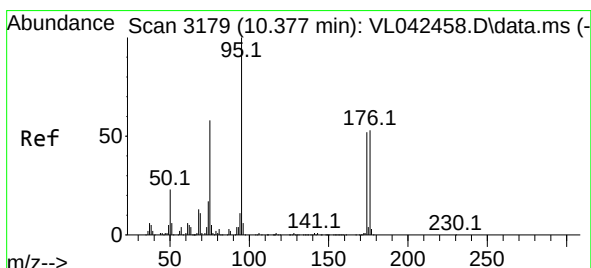
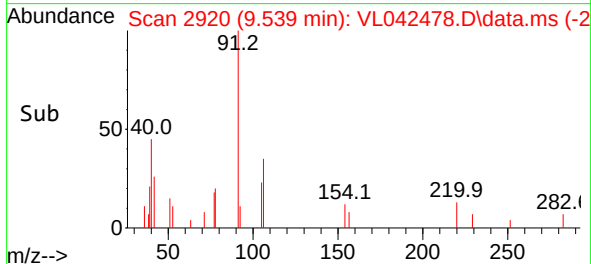
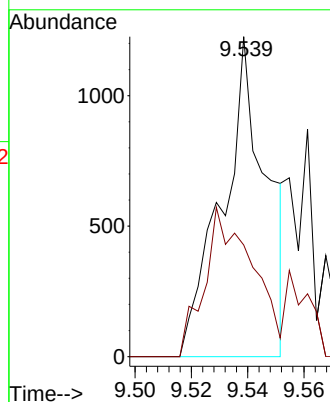
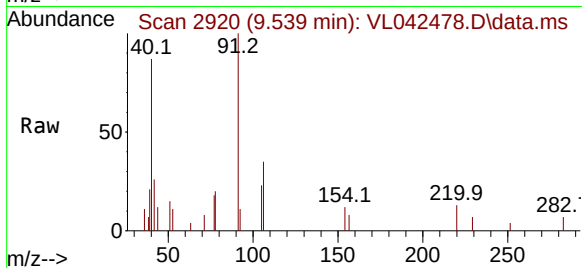
EBR-P06-SC-IA01-20250428DL

Tgt Ion: 91 Resp: 1320

Ion Ratio Lower Upper

91 100

106 65.2 34.2 51.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.901 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.003 min

Lab File: VL042478.D

Acq: 05 May 2025 16:25

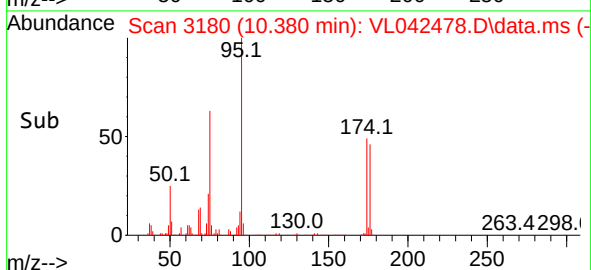
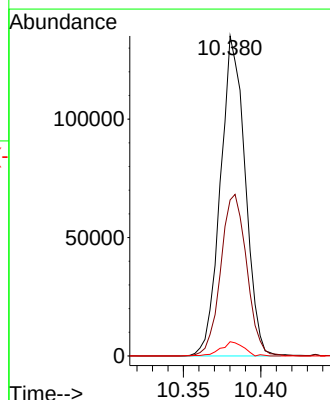
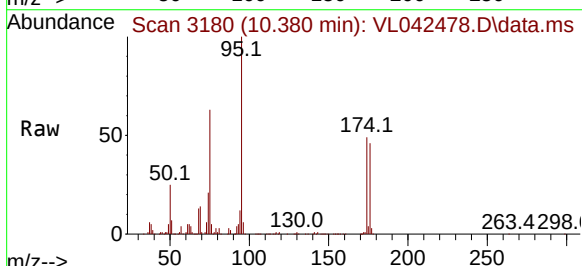
Tgt Ion: 95 Resp: 149493

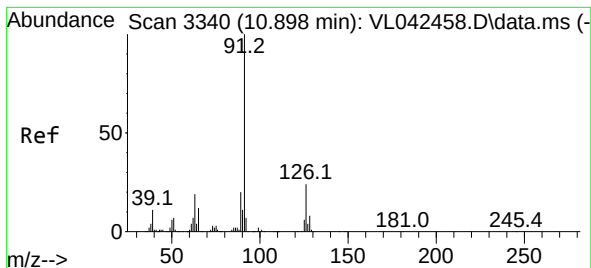
Ion Ratio Lower Upper

95 100

174 53.3 42.7 64.1

175 4.2 3.6 5.4

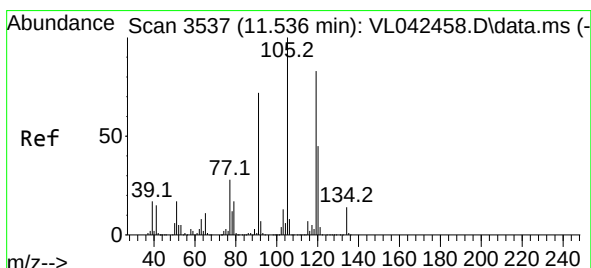
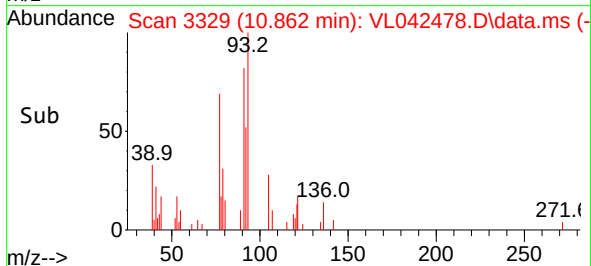
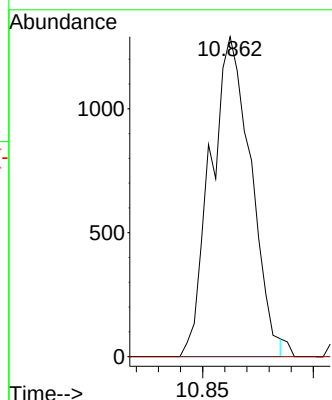
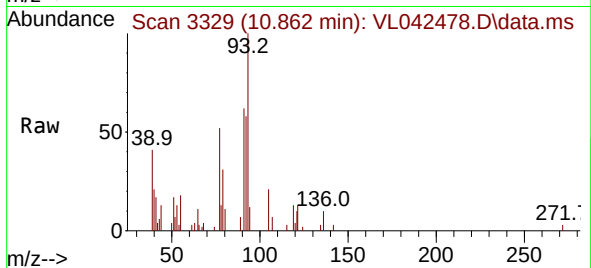




#71
2-Chlorotoluene
Concen: 0.063 ppbv
RT: 10.862 min Scan# 31
Delta R.T. -0.036 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

Instrument :
MSVOA_L
ClientSampleId :
EBR-P06-SC-IA01-20250428DL

Tgt Ion: 91 Resp: 1634
Ion Ratio Lower Upper
91 100
126 3.1 10.6 42.2#



#74
1,2,4-Trimethylbenzene
Concen: 0.030 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VL042478.D
Acq: 05 May 2025 16:25

Tgt Ion: 105 Resp: 873
Ion Ratio Lower Upper
105 100
120 26.6 36.1 54.1#
91 27.2 57.6 86.4#
77 18.4 22.1 33.1#

