

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042480.D
 Acq On : 05 May 2025 17:31
 Operator : SY/MD
 Sample : Q1927-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P03-SC-IA01-20250428DL

Quant Time: May 06 01:44:13 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)

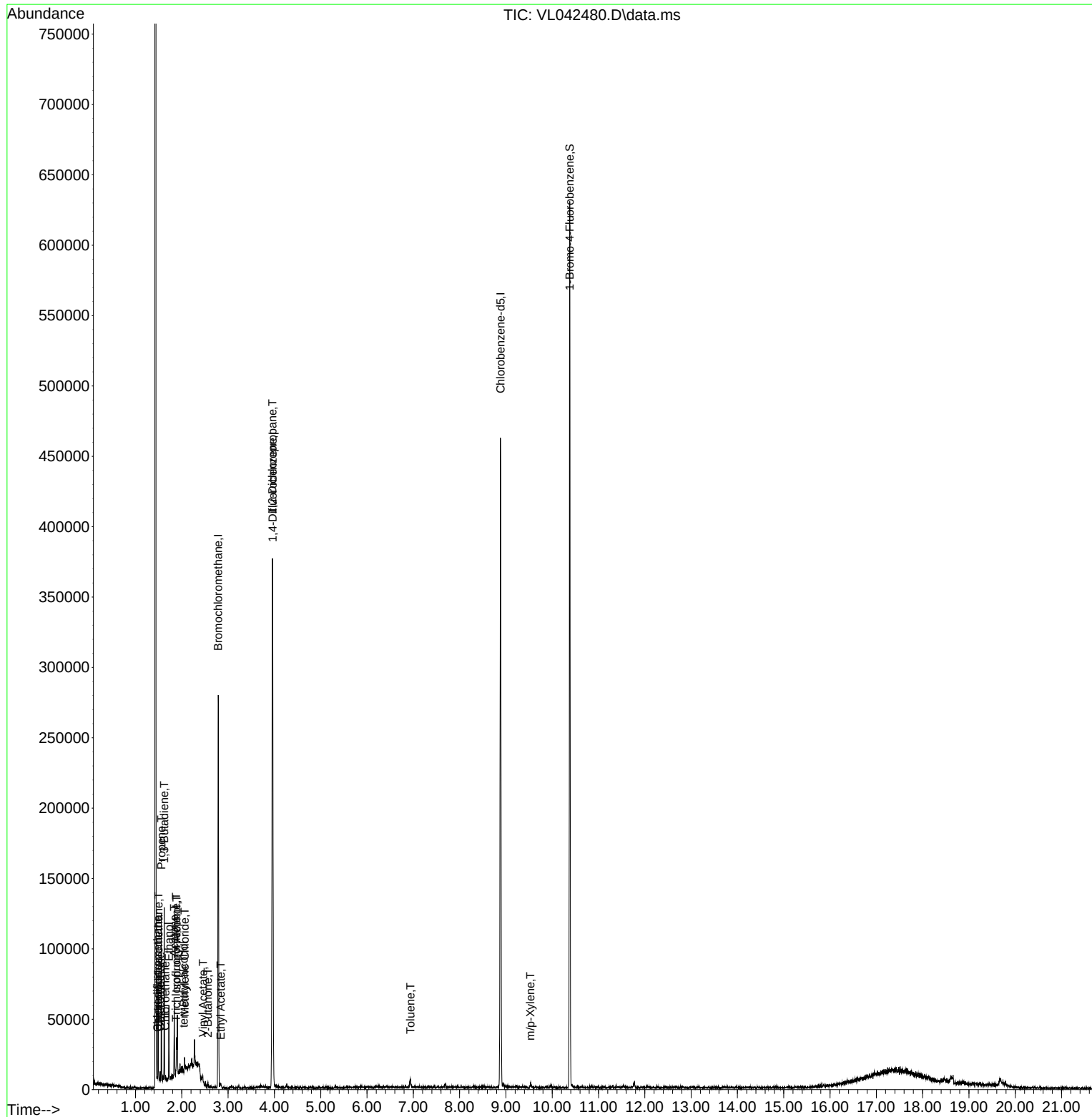
Internal Standards						
1) Bromochloromethane	2.787	49	71197	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	196088	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	157044	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	147914	10.159	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	1576	0.134	ppbv	90
3) Chlorodifluoromethane	1.473	51	2035	0.163	ppbv #	85
4) Chloromethane	1.535	50	1035	0.210	ppbv #	86
7) Chloroethane	1.648	64	71	0.039	ppbv #	43
9) Propene	1.557	41	12327	3.025	ppbv	97
11) Trichlorofluoromethane	1.878	101	934	0.086	ppbv	96
13) Ethanol	1.722	45	17314	20.940	ppbv #	37
15) Acetone	1.836	43	23137	1.780	ppbv	97
16) 1,3-Butadiene	1.622	39	6289	1.097	ppbv #	23
17) tert-Butyl alcohol	2.046	59	431	0.038	ppbv #	19
19) Isopropyl Alcohol	1.887	45	10168	1.414	ppbv #	95
20) Methylene Chloride	2.065	84	1115	0.285	ppbv #	79
23) Vinyl Acetate	2.460	43	944	0.076	ppbv #	79
25) Ethyl Acetate	2.842	43	872	0.042	ppbv #	74
34) 2-Butanone	2.564	43	2361	0.166	ppbv #	89
39) 1,2-Dichloropropane	3.959	63	58042	8.379	ppbv #	20
53) Toluene	6.940	91	1788	0.091	ppbv #	21
59) m/p-Xylene	9.526	91	1223	0.056	ppbv #	80

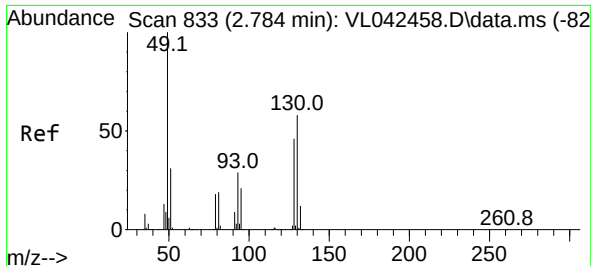
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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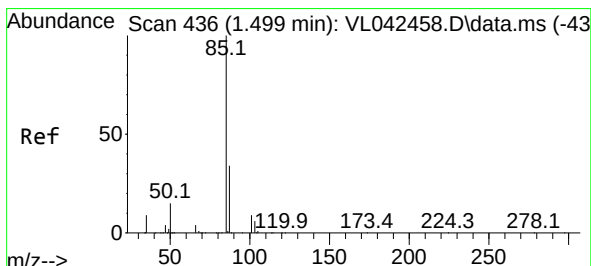
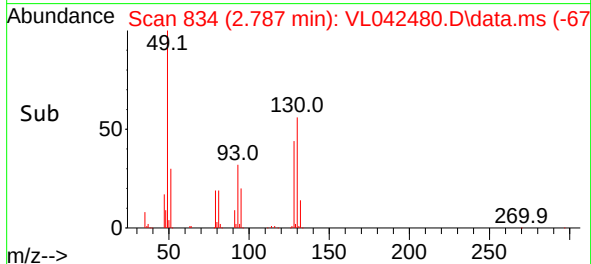
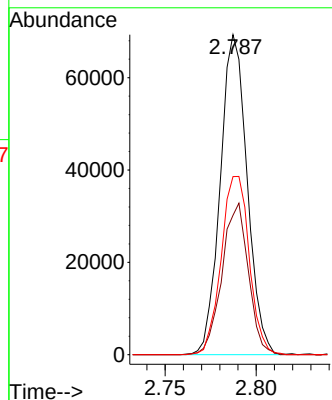
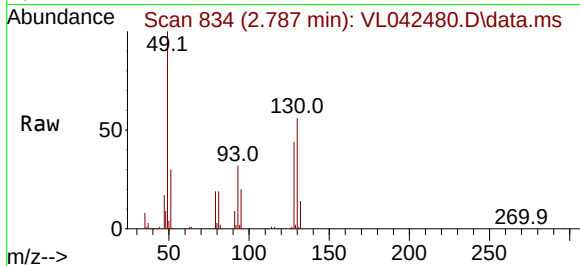




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042480.D
 Acq: 05 May 2025 17:31

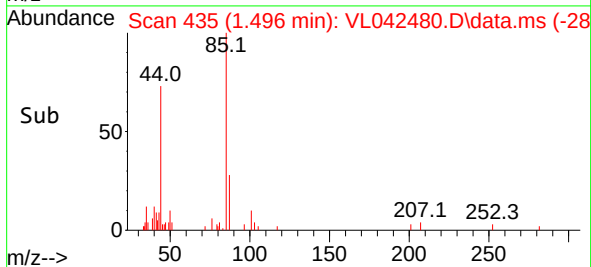
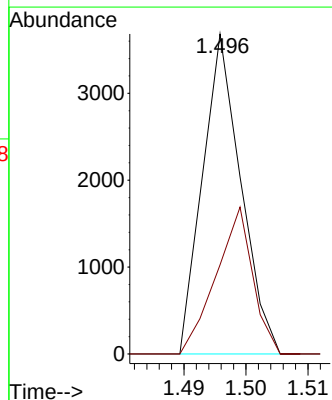
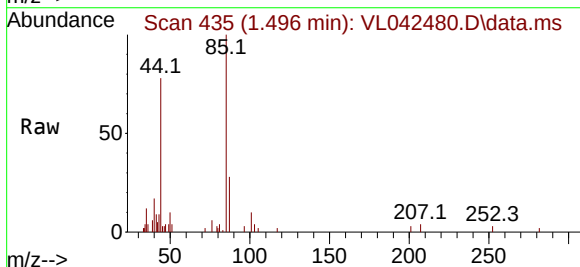
Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P03-SC-IA01-20250428DL

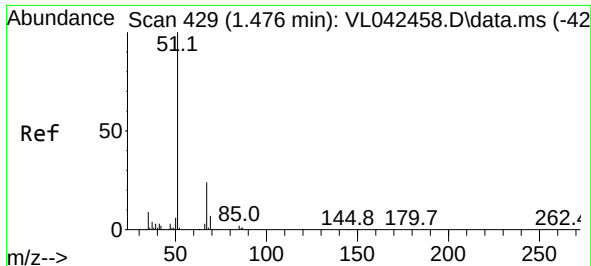
Tgt Ion: 49 Resp: 71197
 Ion Ratio Lower Upper
 49 100
 128 46.3 23.3 69.9
 130 58.2 29.5 88.6



#2
 Dichlorodifluoromethane
 Concen: 0.134 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042480.D
 Acq: 05 May 2025 17:31

Tgt Ion: 85 Resp: 1576
 Ion Ratio Lower Upper
 85 100
 87 27.9 26.9 40.3

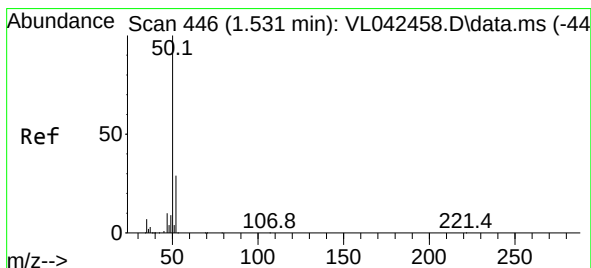
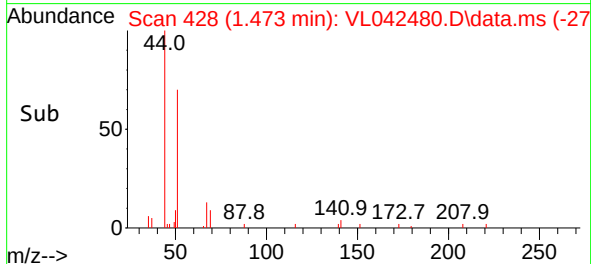
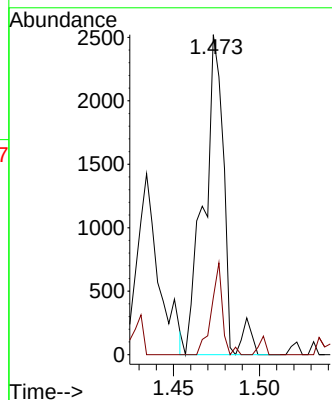
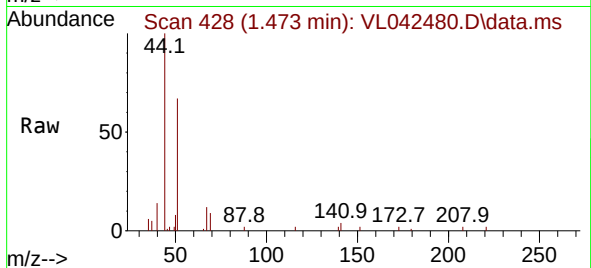




#3
Chlorodifluoromethane
Concen: 0.163 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

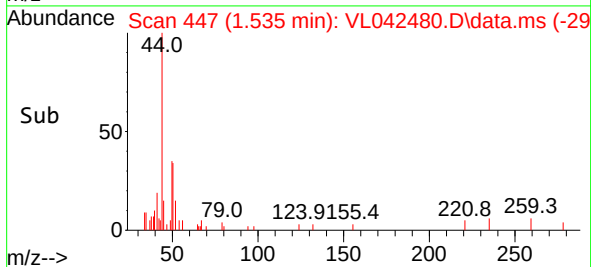
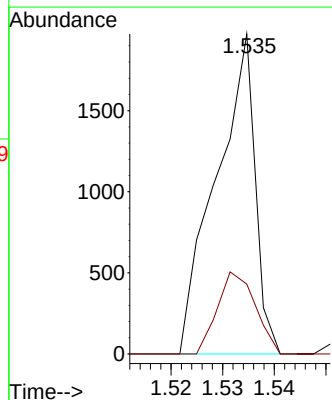
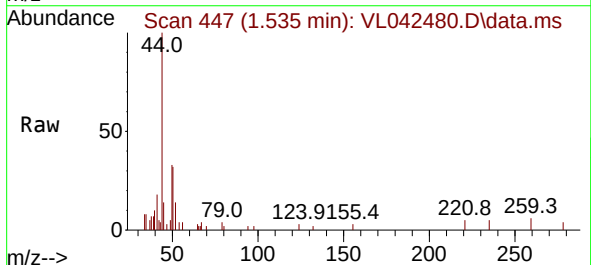
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428DL

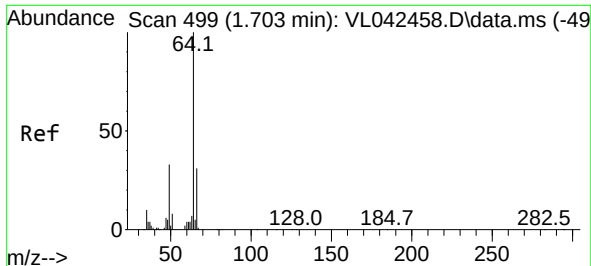
Tgt Ion: 51 Resp: 2035
Ion Ratio Lower Upper
51 100
67 15.8 18.4 27.6#



#4
Chloromethane
Concen: 0.210 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

Tgt Ion: 50 Resp: 1035
Ion Ratio Lower Upper
50 100
52 21.8 23.5 35.3#

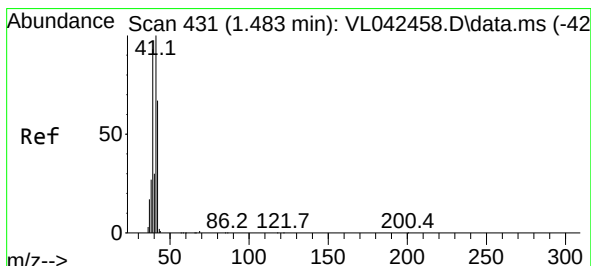
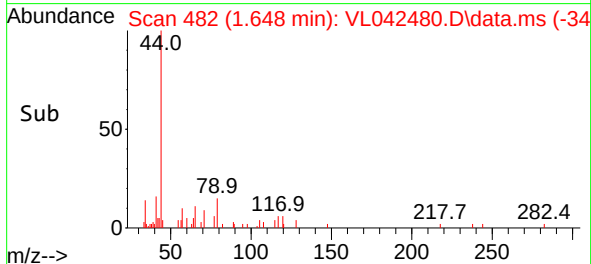
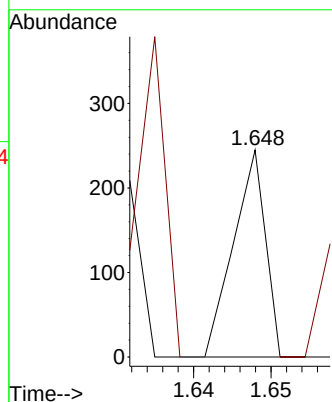
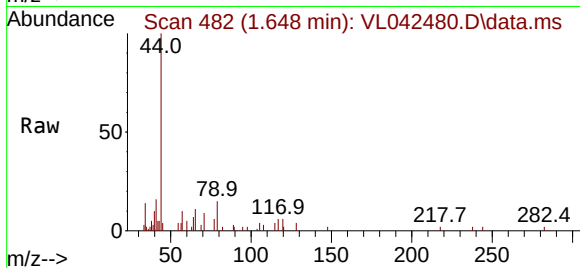




#7
Chloroethane
Concen: 0.039 ppbv
RT: 1.648 min Scan# 41
Delta R.T. -0.055 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

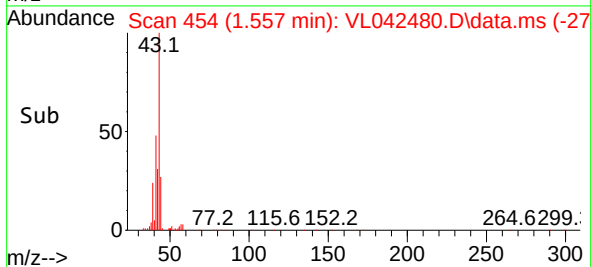
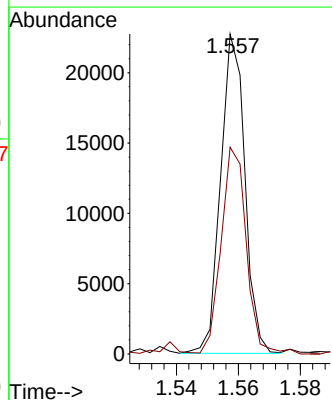
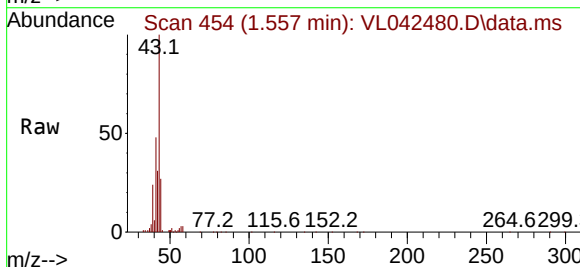
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428DL

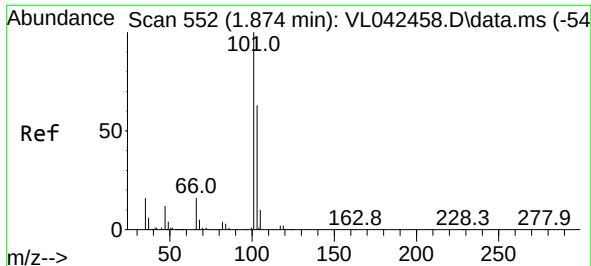
Tgt Ion: 64 Resp: 71
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#9
Propene
Concen: 3.025 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.075 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

Tgt Ion: 41 Resp: 12327
Ion Ratio Lower Upper
41 100
42 70.1 54.3 81.5

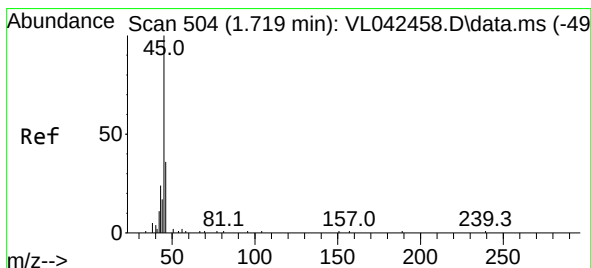
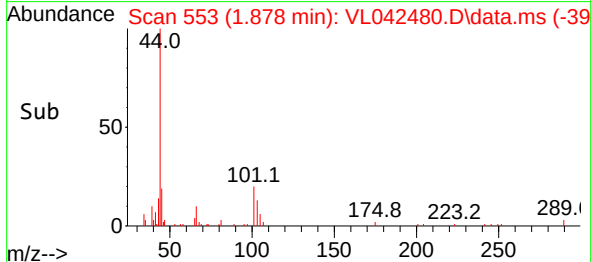
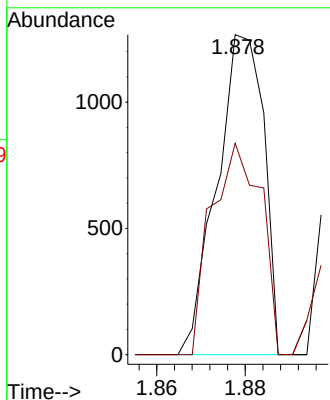
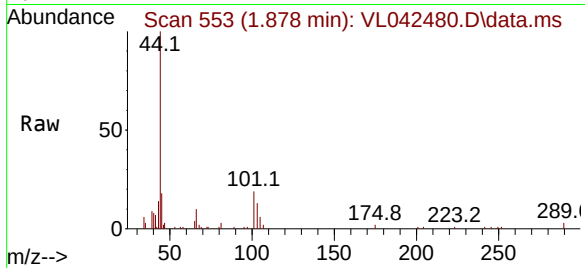




#11
 Trichlorofluoromethane
 Concen: 0.086 ppbv
 RT: 1.878 min Scan# 51
 Delta R.T. 0.004 min
 Lab File: VL042480.D
 Acq: 05 May 2025 17:31

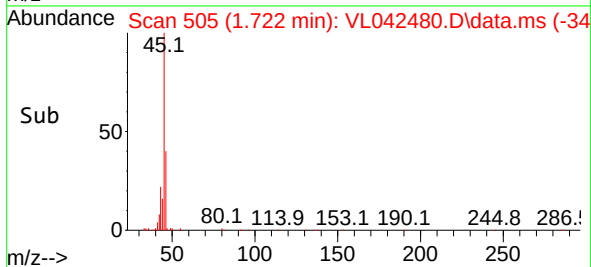
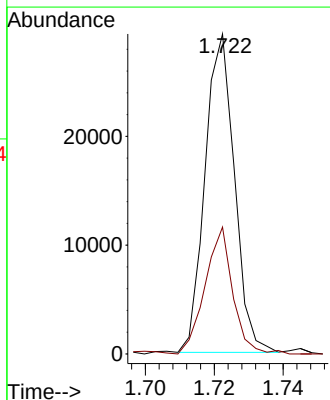
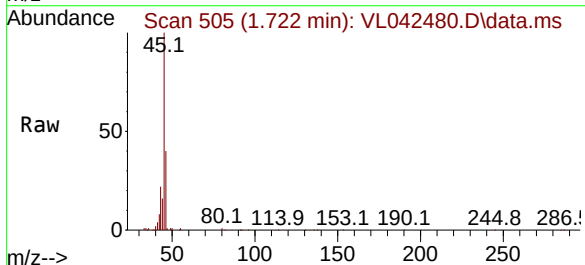
Instrument :
 MSVOA_1
 ClientSampleId :
 EBR-P03-SC-IA01-20250428DL

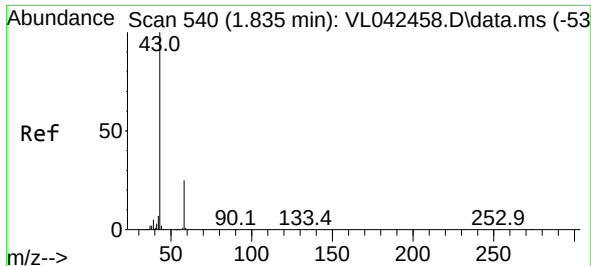
Tgt Ion:101 Resp: 934
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.6 76.0



#13
 Ethanol
 Concen: 20.940 ppbv
 RT: 1.722 min Scan# 505
 Delta R.T. 0.004 min
 Lab File: VL042480.D
 Acq: 05 May 2025 17:31

Tgt Ion: 45 Resp: 17314
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.1#

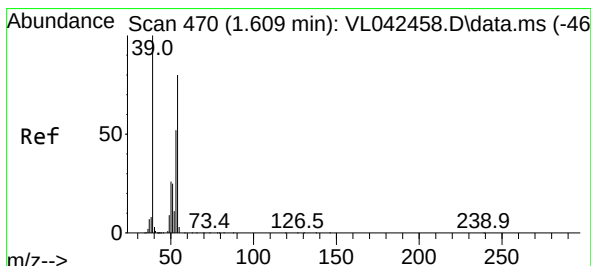
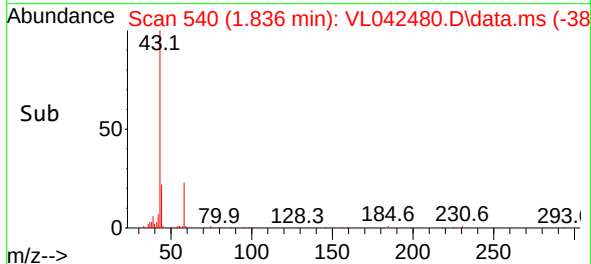
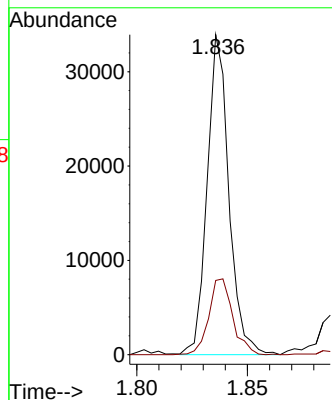
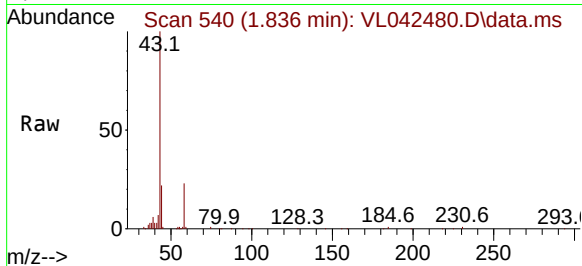




#15
Acetone
Concen: 1.780 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

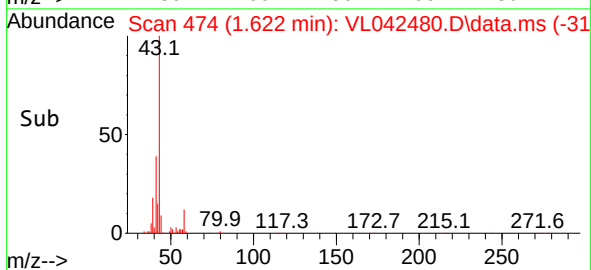
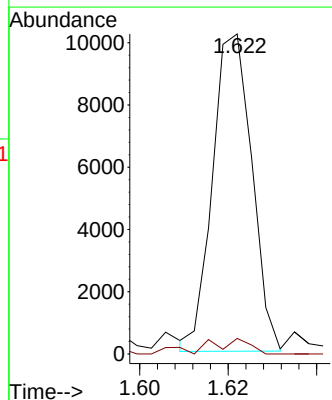
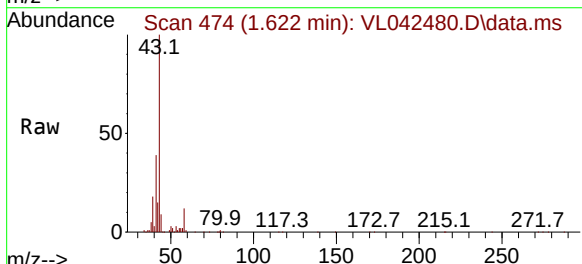
Instrument : MSVOA_1
ClientSampleId : EBR-P03-SC-IA01-20250428DL

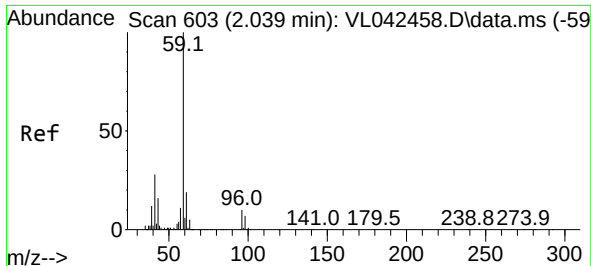
Tgt Ion: 43 Resp: 23137
Ion Ratio Lower Upper
43 100
58 26.1 19.8 29.8



#16
1,3-Butadiene
Concen: 1.097 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.013 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

Tgt Ion: 39 Resp: 6289
Ion Ratio Lower Upper
39 100
54 6.6 55.2 82.8#





#17

tert-Butyl alcohol

Concen: 0.038 ppbv

RT: 2.046 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042480.D

Acq: 05 May 2025 17:31

Instrument :

MSVOA_1

ClientSampleId :

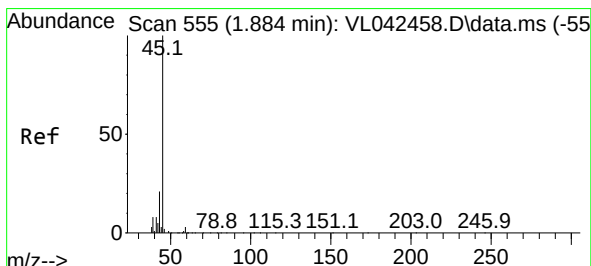
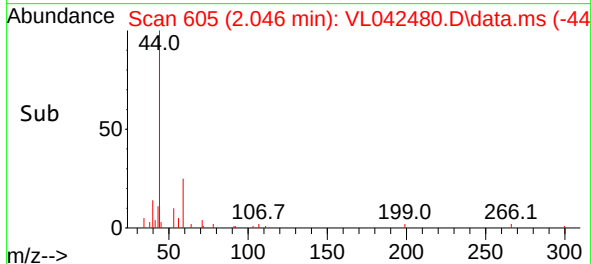
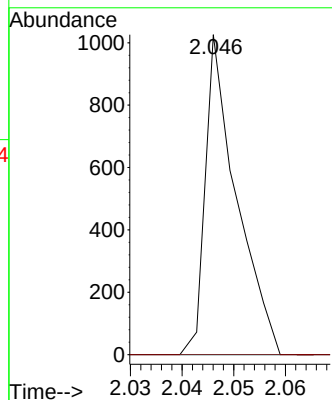
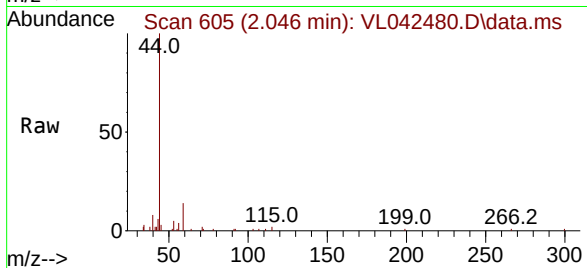
EBR-P03-SC-IA01-20250428DL

Tgt Ion: 59 Resp: 431

Ion Ratio Lower Upper

59 100

57 40.8 8.3 12.5#



#19

Isopropyl Alcohol

Concen: 1.414 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.004 min

Lab File: VL042480.D

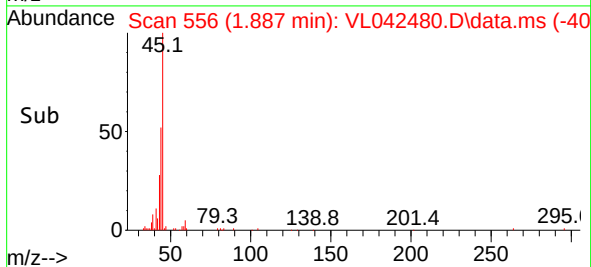
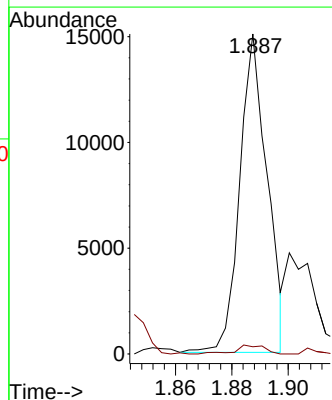
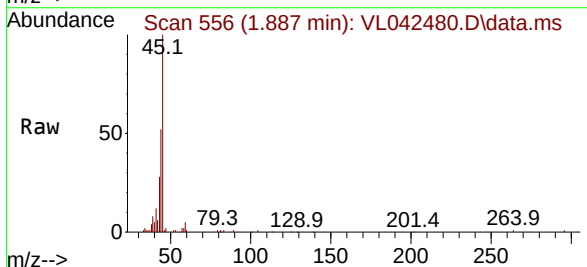
Acq: 05 May 2025 17:31

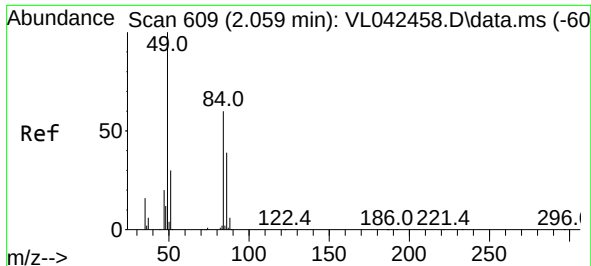
Tgt Ion: 45 Resp: 10168

Ion Ratio Lower Upper

45 100

58 3.6 1.6 2.4#





#20

Methylene Chloride

Concen: 0.285 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.007 min

Lab File: VL042480.D

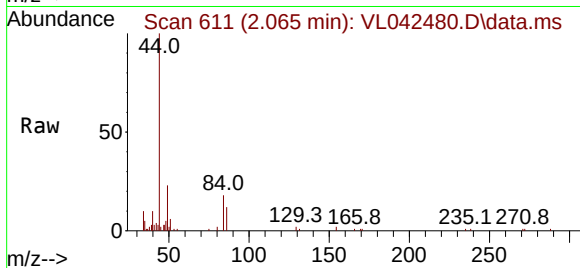
Acq: 05 May 2025 17:31

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MSVOA_L

ClientSampleId :

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Tgt Ion: 84 Resp: 1115

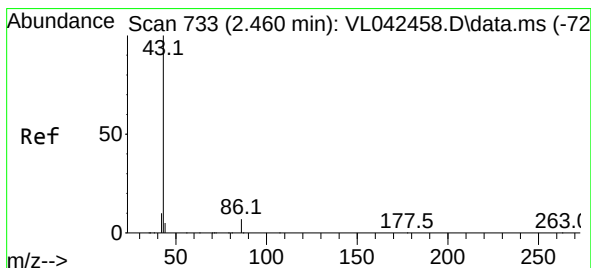
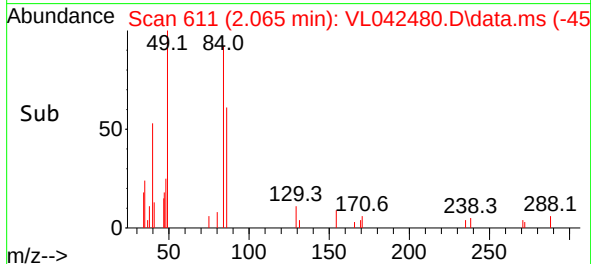
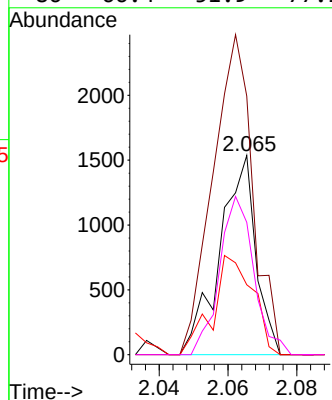
Ion Ratio Lower Upper

84 100

49 129.8 133.9 200.9#

51 35.1 41.0 61.6#

86 66.4 51.9 77.9



#23

Vinyl Acetate

Concen: 0.076 ppbv

RT: 2.460 min Scan# 733

Delta R.T. 0.000 min

Lab File: VL042480.D

Acq: 05 May 2025 17:31

Tgt Ion: 43 Resp: 944

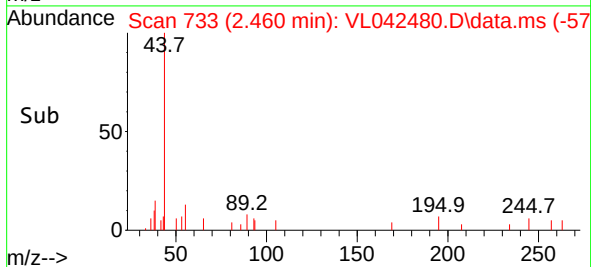
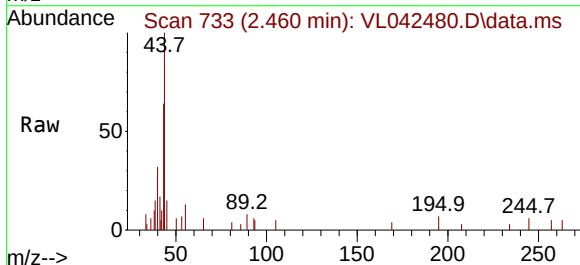
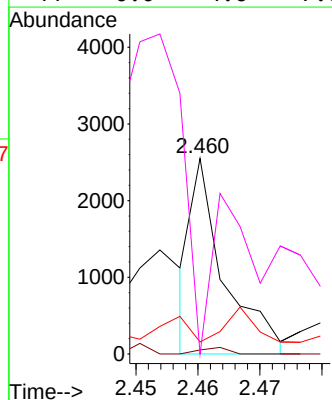
Ion Ratio Lower Upper

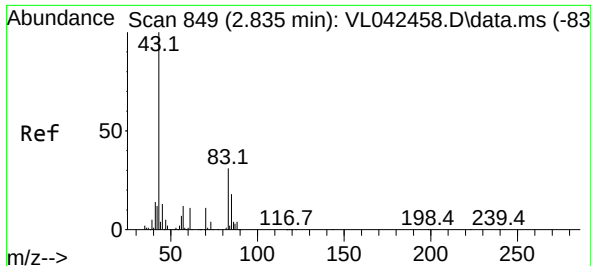
43 100

86 2.2 5.5 8.3#

42 0.0 8.3 12.5#

44 0.0 4.6 7.0#

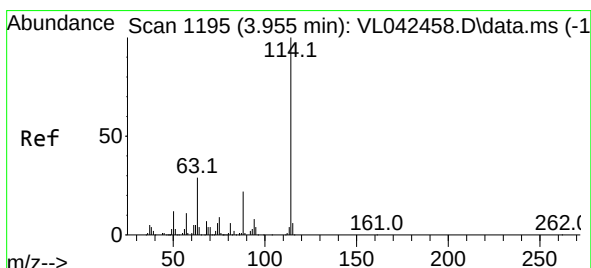
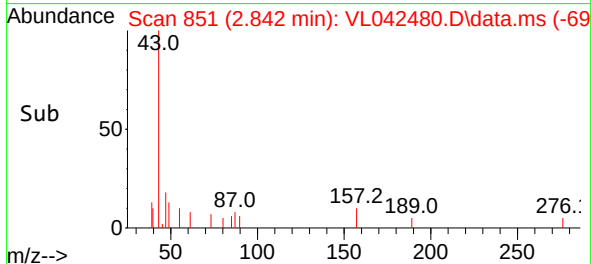
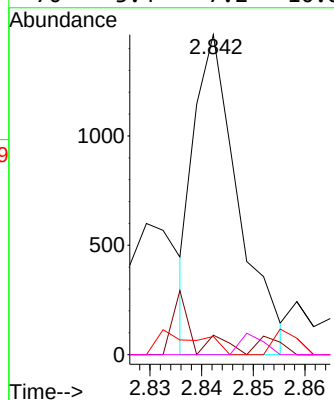
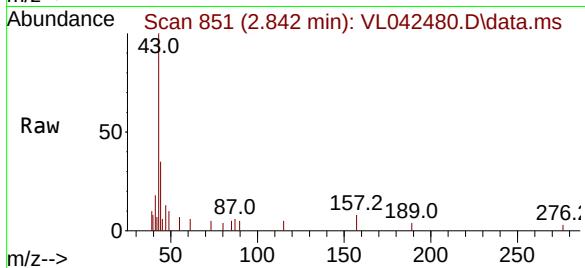




#25
Ethyl Acetate
Concen: 0.042 ppbv
RT: 2.842 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

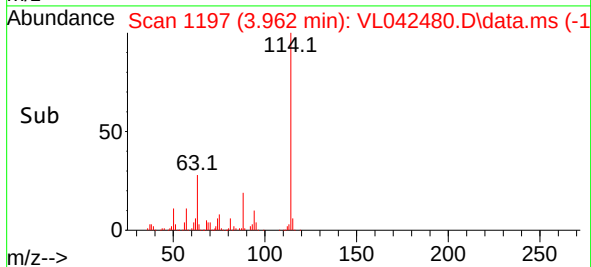
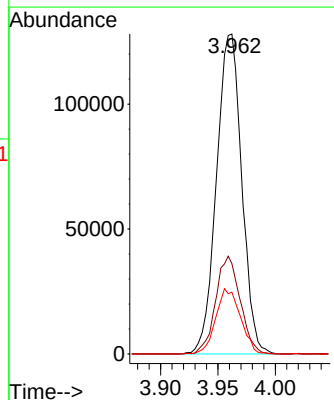
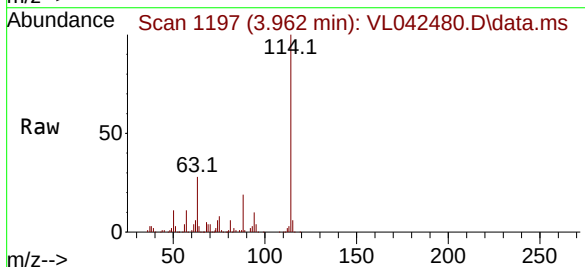
Instrument :
MSVOA_L
ClientSampleId :
EBR-P03-SC-IA01-20250428DL

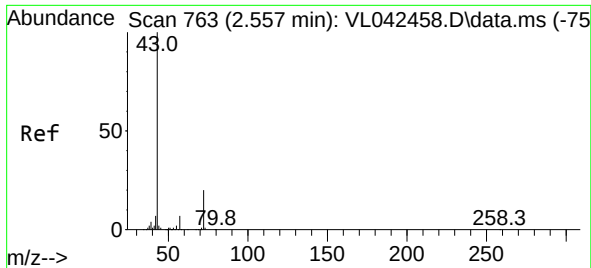
Tgt Ion: 43	Resp: 872
Ion Ratio	Lower Upper
43 100	
45 23.7	7.8 11.6#
61 0.0	7.2 10.8#
70 3.4	7.2 10.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.007 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

Tgt Ion:114	Resp:	196088	
Ion	Ratio	Lower	Upper
114	100		
63	29.6	23.1	34.7
88	20.0	16.1	24.1

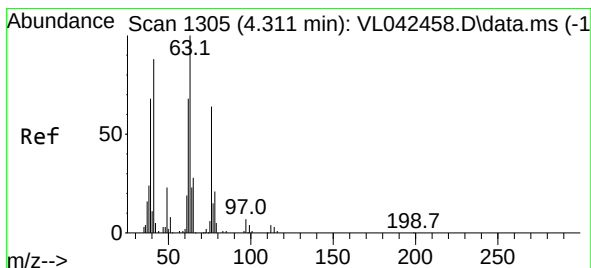
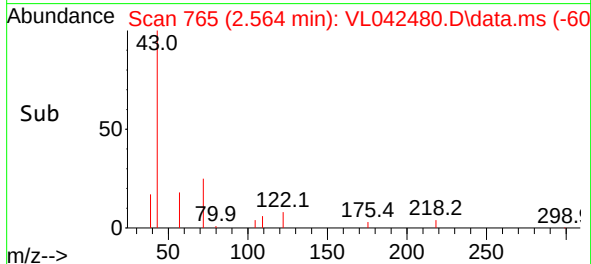
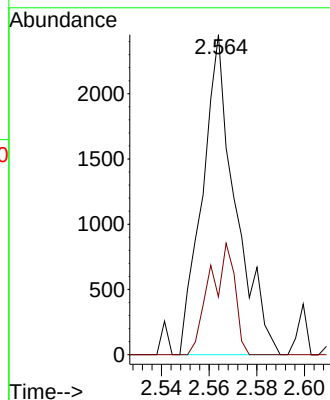
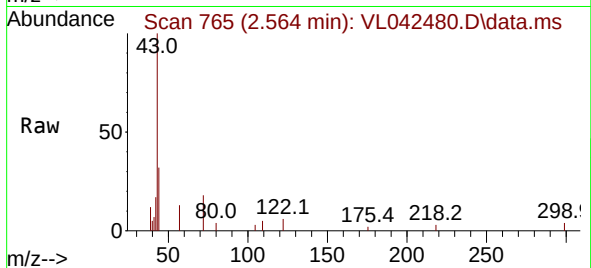




#34
2-Butanone
Concen: 0.166 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

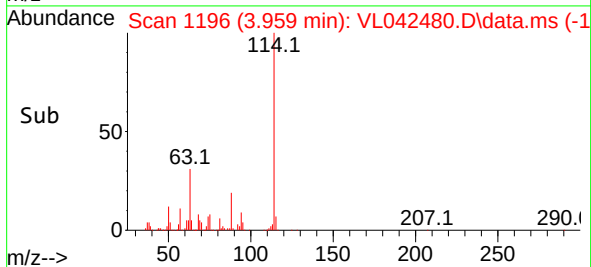
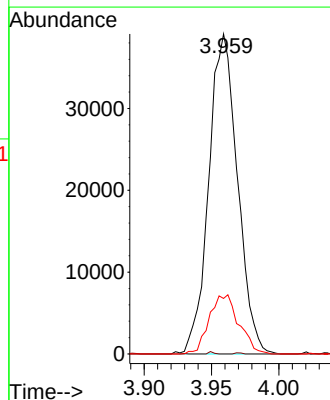
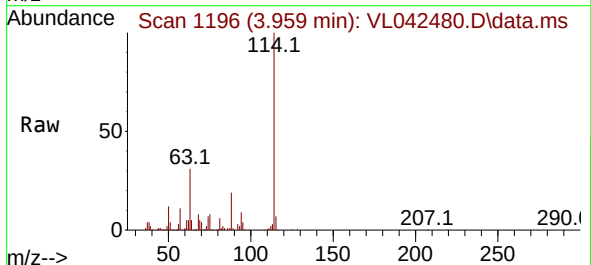
Instrument :
MSVOA_1
ClientSampleId :
EBR-P03-SC-IA01-20250428DL

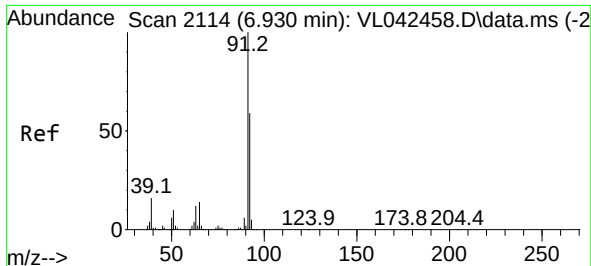
Tgt Ion: 43 Resp: 2361
Ion Ratio Lower Upper
43 100
72 26.2 16.7 25.1#



#39
1,2-Dichloropropane
Concen: 8.379 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.352 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

Tgt Ion: 63 Resp: 58042
Ion Ratio Lower Upper
63 100
41 0.0 69.8 104.6#
62 17.4 54.3 81.5#

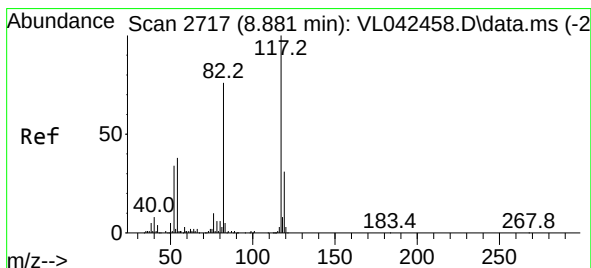
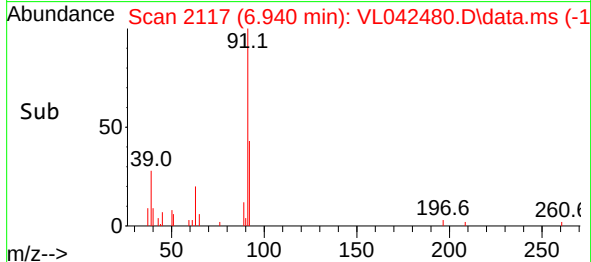
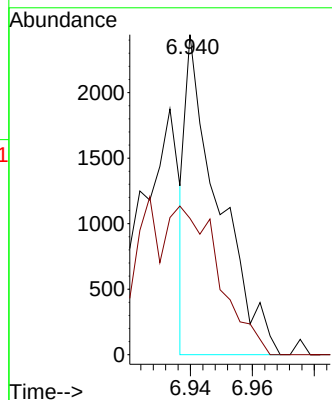
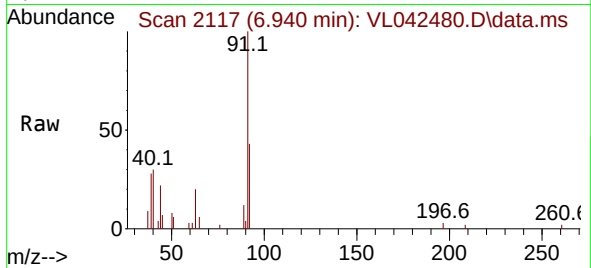




#53
Toluene
Concen: 0.091 ppbv
RT: 6.940 min Scan# 2114
Delta R.T. 0.010 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

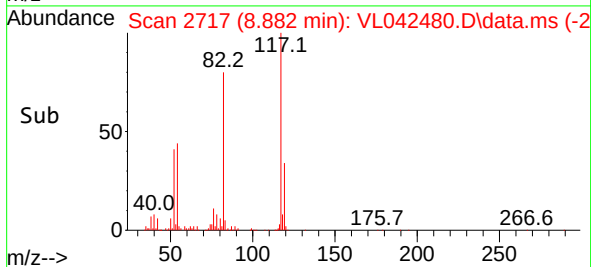
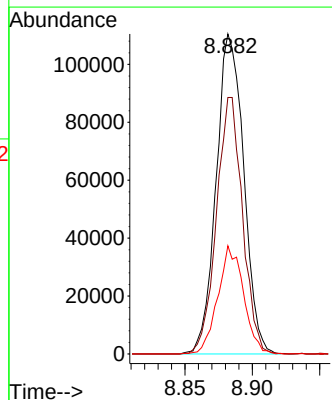
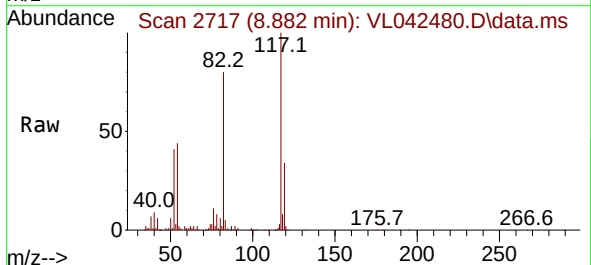
Instrument : MSVOA_L
ClientSampleId : EBR-P03-SC-IA01-20250428DL

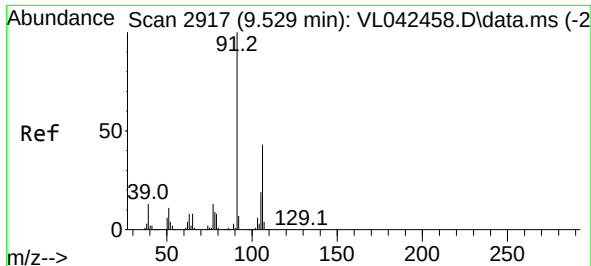
Tgt Ion: 91 Resp: 1788
Ion Ratio Lower Upper
91 100
92 0.0 47.9 71.9#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042480.D
Acq: 05 May 2025 17:31

Tgt Ion: 117 Resp: 157044
Ion Ratio Lower Upper
117 100
82 75.9 63.5 95.3
119 31.6 25.8 38.8





#59

m/p-Xylene

Concen: 0.056 ppbv

RT: 9.526 min Scan# 2917

Delta R.T. -0.003 min

Lab File: VL042480.D

Acq: 05 May 2025 17:31

Instrument :

MSVOA_L

ClientSampleId :

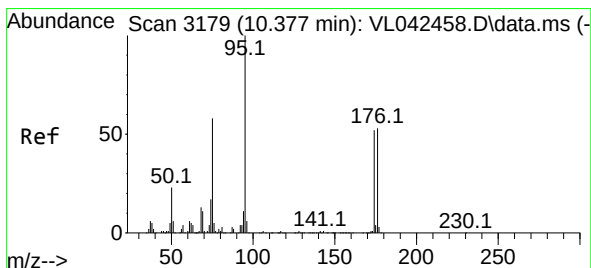
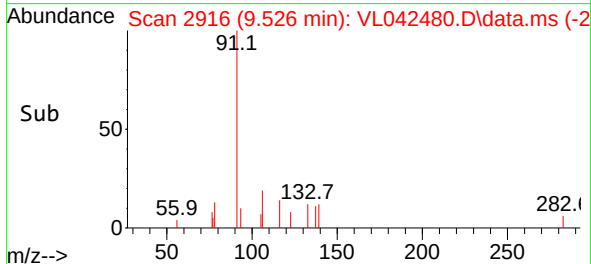
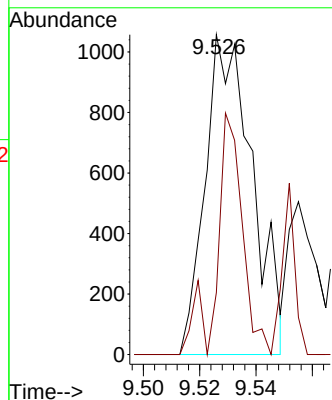
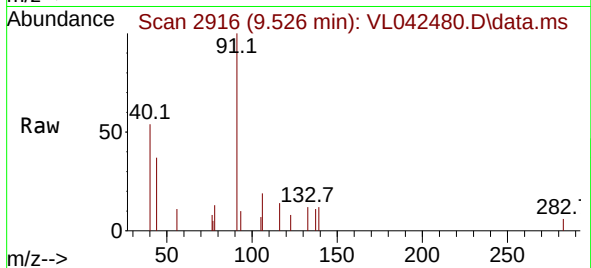
EBR-P03-SC-IA01-20250428DL

Tgt Ion: 91 Resp: 1223

Ion Ratio Lower Upper

91 100

106 55.3 34.2 51.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.159 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.000 min

Lab File: VL042480.D

Acq: 05 May 2025 17:31

Tgt Ion: 95 Resp: 147914

Ion Ratio Lower Upper

95 100

174 53.8 42.7 64.1

175 4.3 3.6 5.4

