

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042481.D
 Acq On : 05 May 2025 18:06
 Operator : SY/MD
 Sample : Q1927-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P07-SC-IA01-20250428

Quant Time: May 06 01:44:38 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)

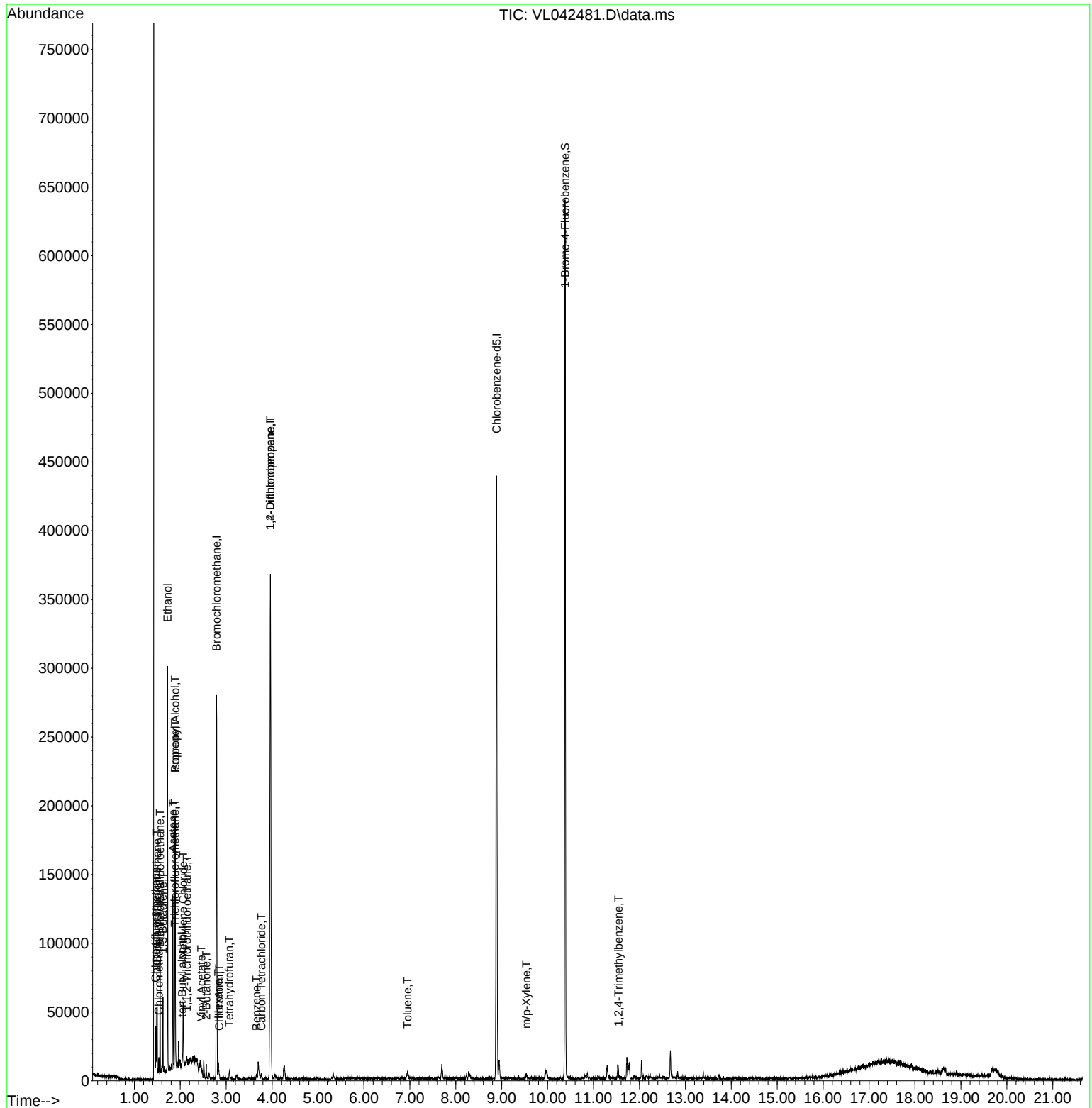
Internal Standards						
1) Bromochloromethane	2.790	49	68224	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	186800	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	160233	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	147117	9.903	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9574	0.848	ppbv	93
3) Chlorodifluoromethane	1.466	51	11280	0.945	ppbv #	67
4) Chloromethane	1.531	50	2964	0.628	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	394	0.042	ppbv #	79
9) Propene	1.887	41	6936	1.777	ppbv	99
11) Trichlorofluoromethane	1.881	101	10543	1.012	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	659	0.079	ppbv #	50
13) Ethanol	1.722	45	95194	120.149	ppbv	98
15) Acetone	1.839	43	53121	4.265	ppbv	93
16) 1,3-Butadiene	1.622	39	2967	0.540	ppbv #	15
17) tert-Butyl alcohol	2.042	59	1731	0.158	ppbv #	94
19) Isopropyl Alcohol	1.887	45	69736	10.117	ppbv	100
20) Methylene Chloride	2.065	84	6011	1.605	ppbv	96
23) Vinyl Acetate	2.457	43	4353	0.366	ppbv #	71
26) Hexane	2.829	57	1635	0.188	ppbv #	46
29) Chloroform	2.848	83	505	0.031	ppbv #	67
34) 2-Butanone	2.567	43	4742	0.351	ppbv	92
35) Carbon Tetrachloride	3.768	117	982	0.058	ppbv #	59
36) Benzene	3.661	78	813	0.046	ppbv #	52
39) 1,2-Dichloropropane	3.962	63	53581	8.119	ppbv #	23
41) Tetrahydrofuran	3.068	42	1084	0.169	ppbv #	87
53) Toluene	6.946	91	934	0.050	ppbv #	1
59) m/p-Xylene	9.539	91	1393	0.062	ppbv #	33
74) 1,2,4-Trimethylbenzene	11.545	105	2047	0.073	ppbv #	52

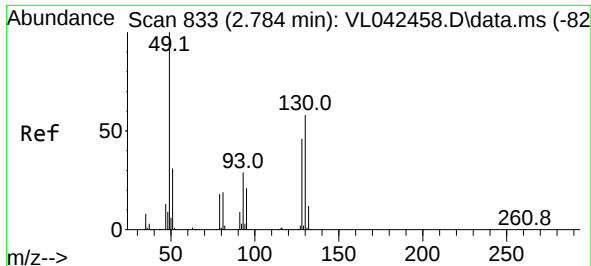
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\  
Data File : VL042481.D  
Acq On    : 05 May 2025  18:06  
Operator  : SY/MD  
Sample    : Q1927-05  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

Quant Time: May 06 01:44:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

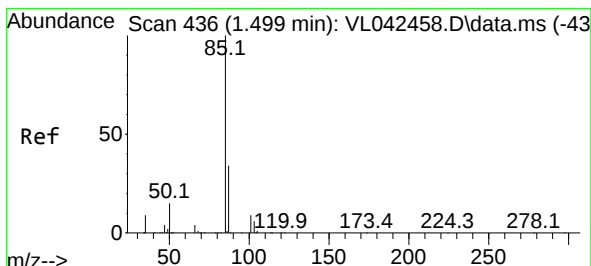
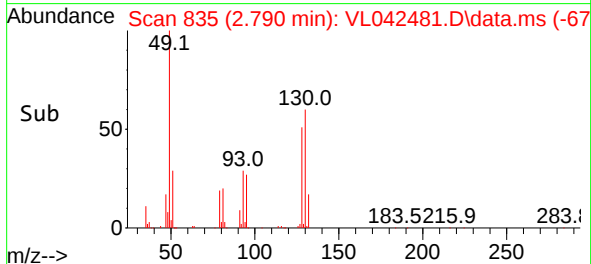
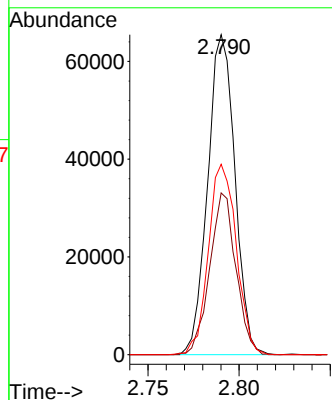
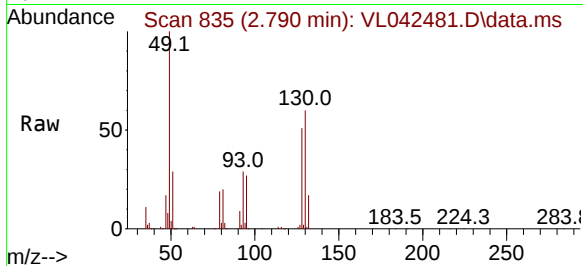




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

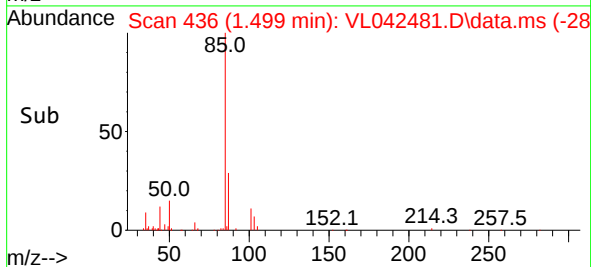
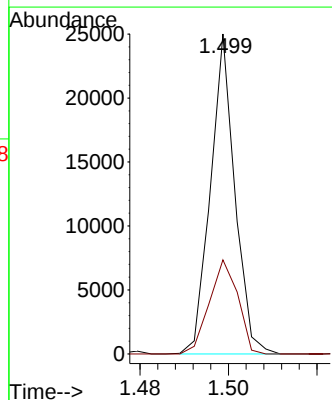
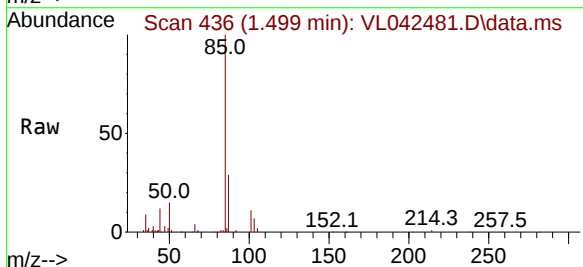
Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

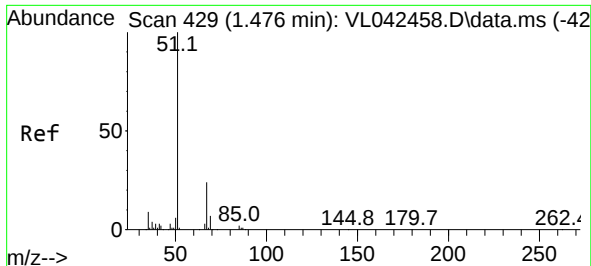
Tgt Ion: 49 Resp: 68224
Ion Ratio Lower Upper
49 100
128 48.6 23.3 69.9
130 61.0 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.848 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 85 Resp: 9574
Ion Ratio Lower Upper
85 100
87 29.4 26.9 40.3

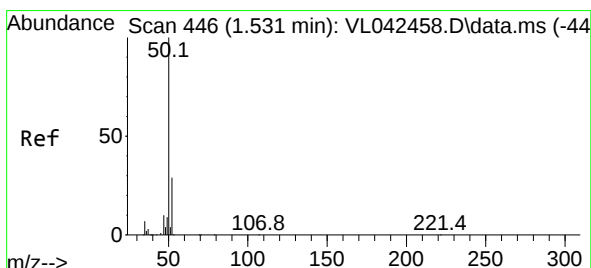
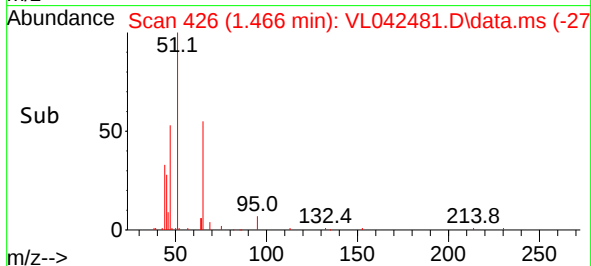
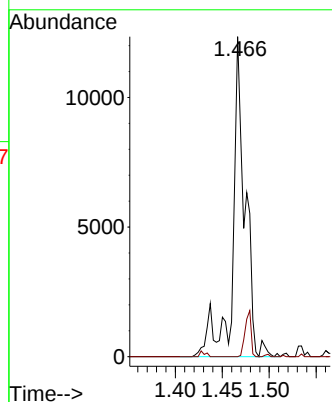
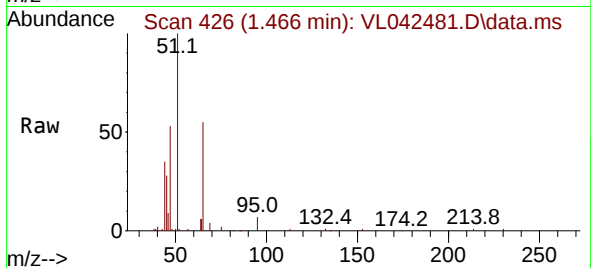




#3
Chlorodifluoromethane
Concen: 0.945 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

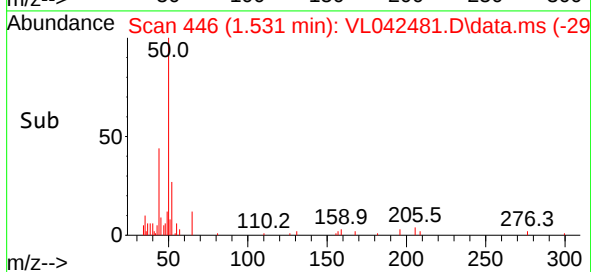
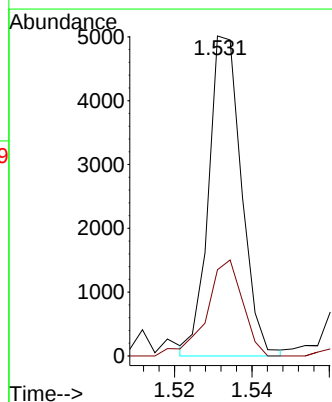
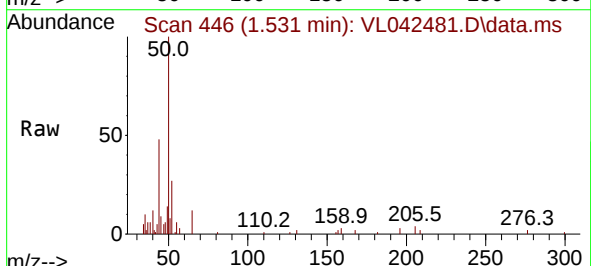
Instrument :
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ClientSampleId :
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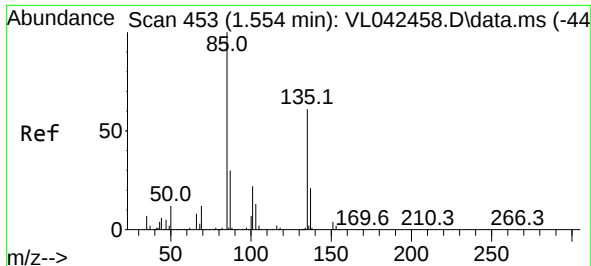
Tgt Ion: 51 Resp: 11280
Ion Ratio Lower Upper
51 100
67 7.2 18.4 27.6#



#4
Chloromethane
Concen: 0.628 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 50 Resp: 2964
Ion Ratio Lower Upper
50 100
52 27.5 23.5 35.3

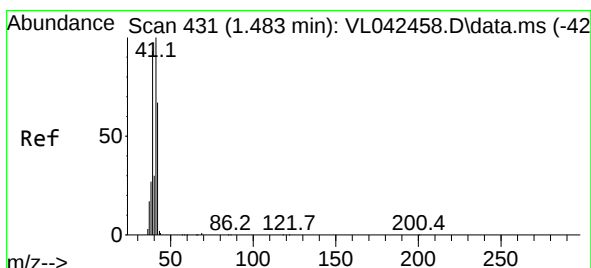
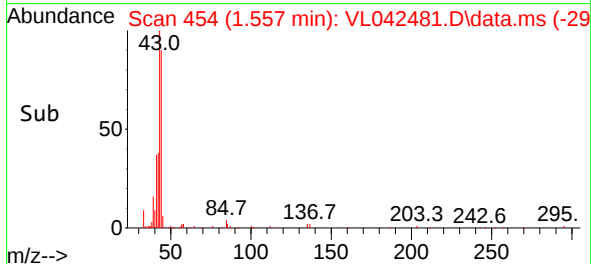
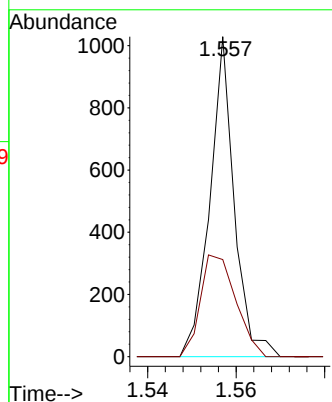
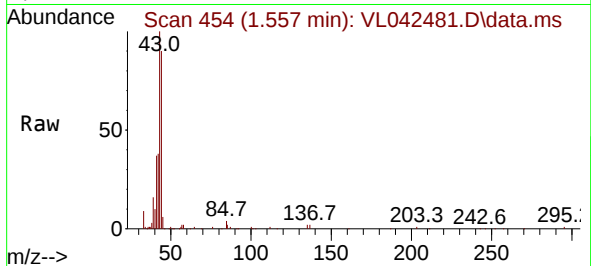




#8
Dichlorotetrafluoroethane
Concen: 0.042 ppbv
RT: 1.557 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

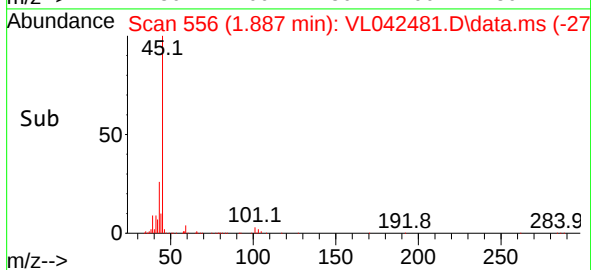
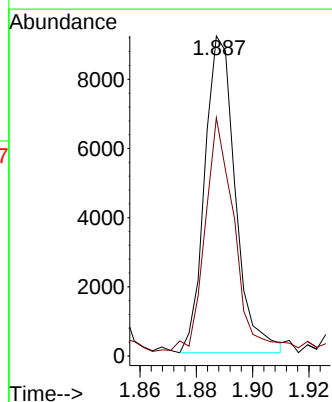
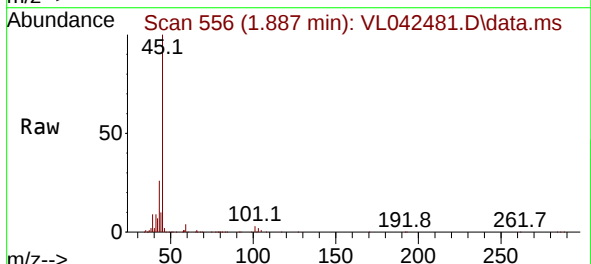
Instrument :
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ClientSampleId :
EBR-P07-SC-IA01-20250428

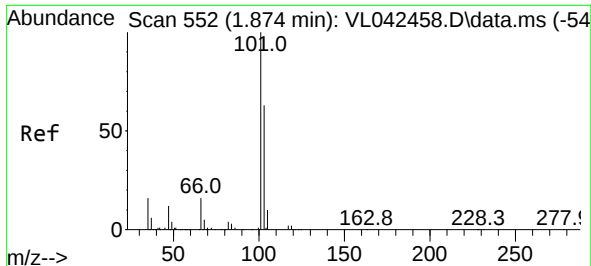
Tgt Ion: 85 Resp: 394
Ion Ratio Lower Upper
85 100
135 46.2 49.8 74.8#



#9
Propene
Concen: 1.777 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.405 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 41 Resp: 6936
Ion Ratio Lower Upper
41 100
42 68.6 54.3 81.5

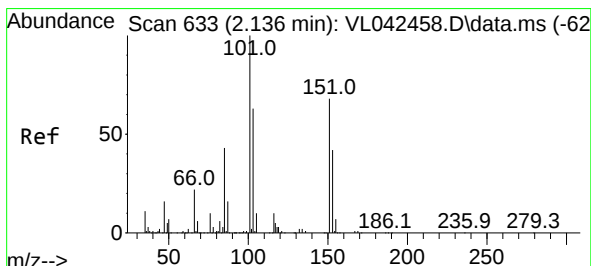
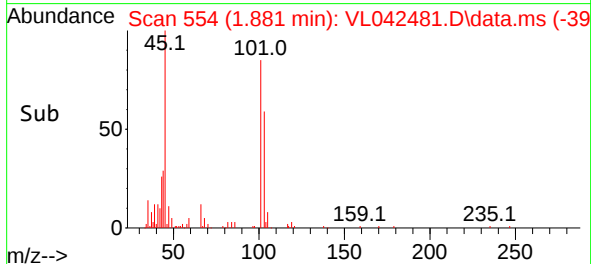
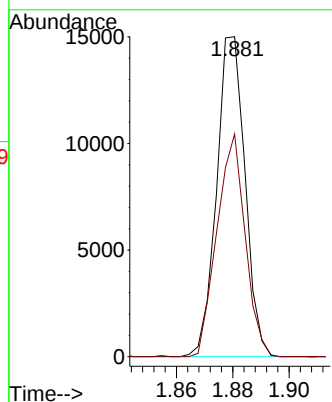
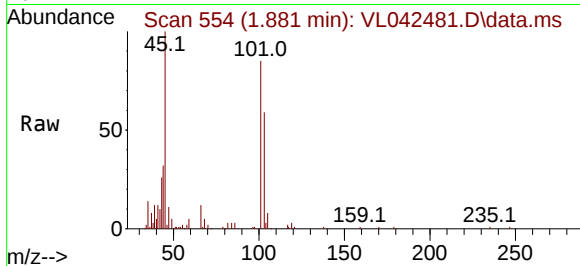




#11
 Trichlorofluoromethane
 Concen: 1.012 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042481.D
 Acq: 05 May 2025 18:06

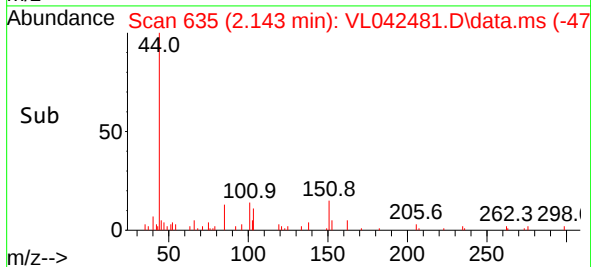
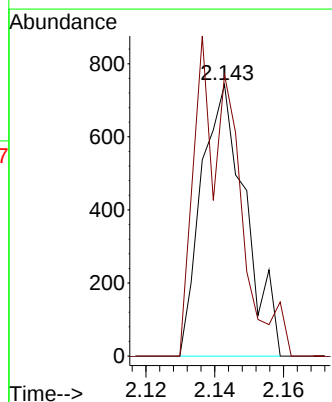
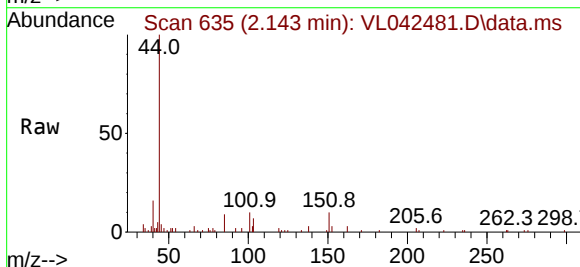
Instrument :
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 ClientSampleId :
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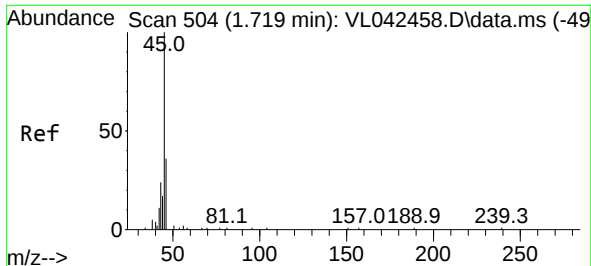
Tgt Ion:101 Resp: 10543
 Ion Ratio Lower Upper
 101 100
 103 69.6 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.079 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042481.D
 Acq: 05 May 2025 18:06

Tgt Ion:101 Resp: 659
 Ion Ratio Lower Upper
 101 100
 151 108.5 54.6 82.0#

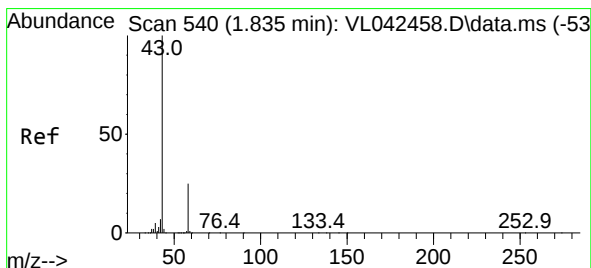
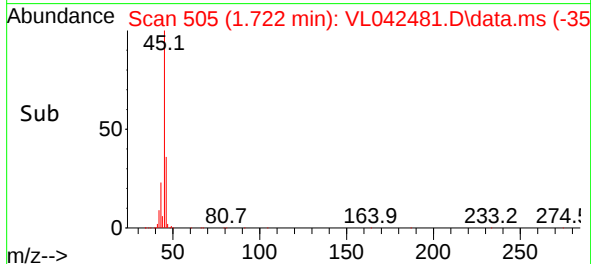
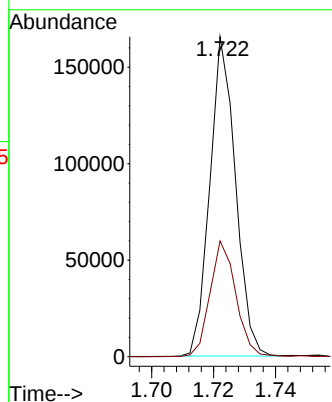
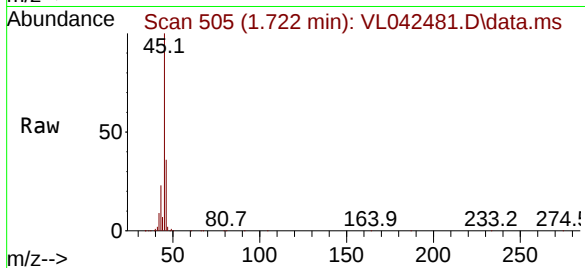




#13
Ethanol
Concen: 120.149 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

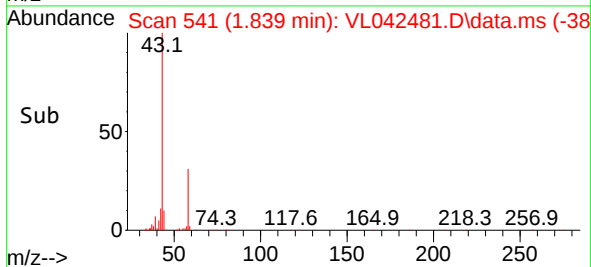
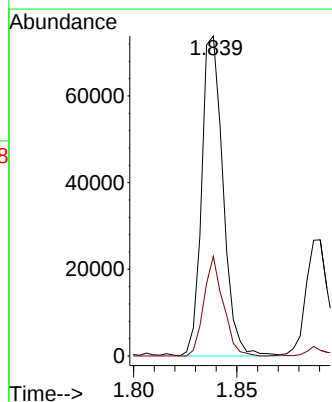
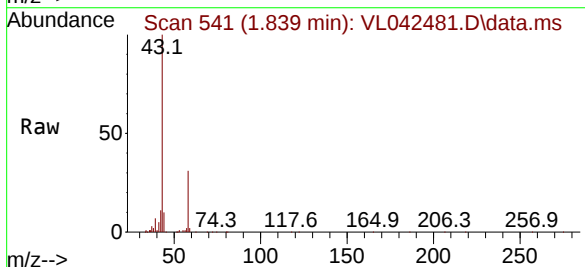
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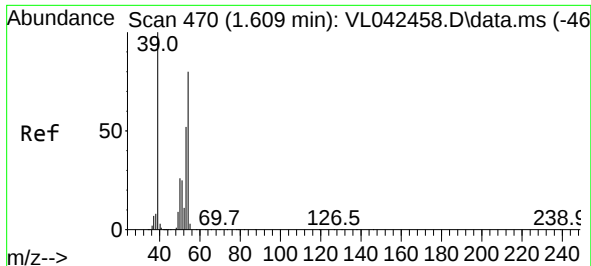
Tgt Ion: 45 Resp: 95194
Ion Ratio Lower Upper
45 100
46 36.7 15.3 61.1



#15
Acetone
Concen: 4.265 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 43 Resp: 53121
Ion Ratio Lower Upper
43 100
58 28.1 19.8 29.8

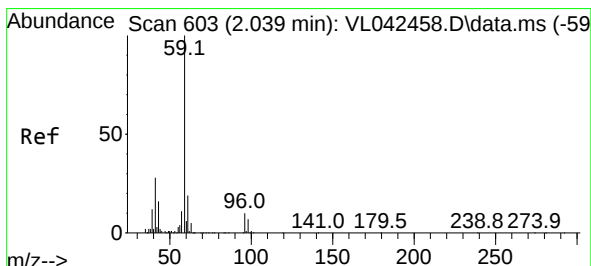
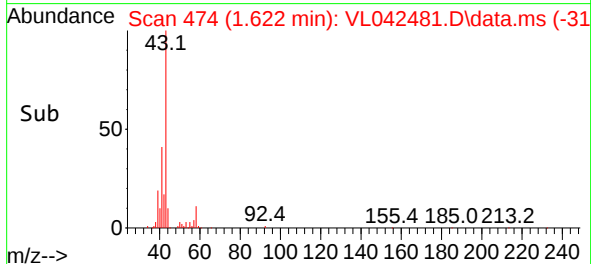
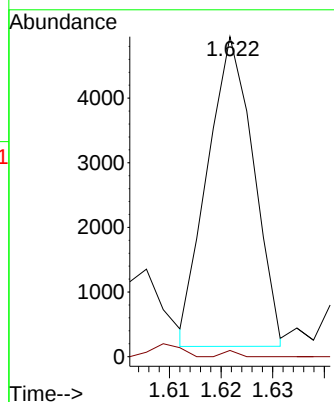
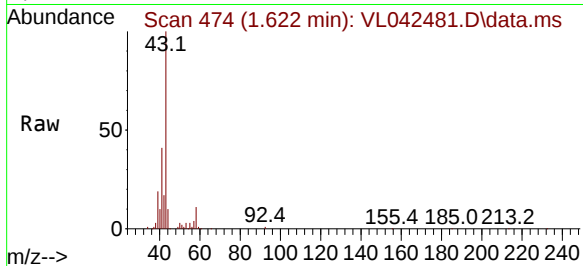




#16
1,3-Butadiene
Concen: 0.540 ppbv
RT: 1.622 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

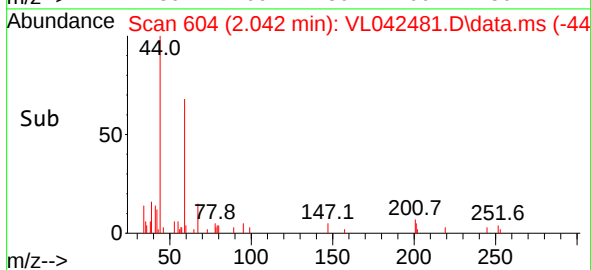
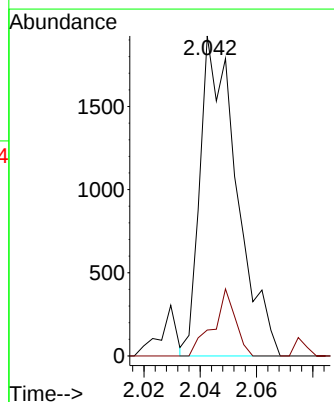
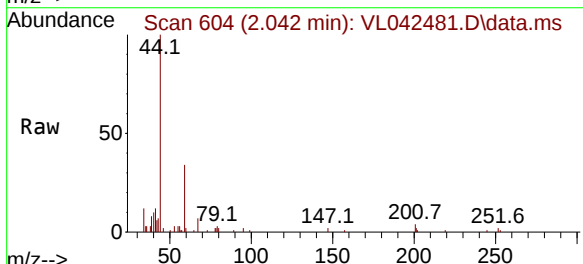
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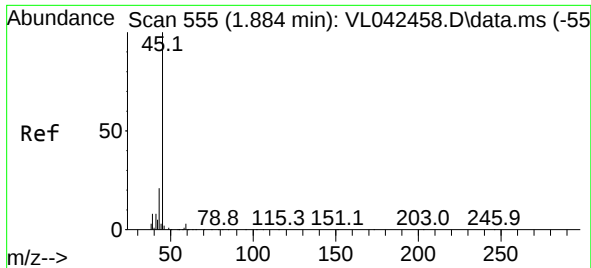
Tgt Ion: 39 Resp: 2967
Ion Ratio Lower Upper
39 100
54 0.0 55.2 82.8#



#17
tert-Butyl alcohol
Concen: 0.158 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 59 Resp: 1731
Ion Ratio Lower Upper
59 100
57 12.7 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 10.117 ppbv

RT: 1.887 min Scan# 511

Delta R.T. 0.003 min

Lab File: VL042481.D

Acq: 05 May 2025 18:06

Instrument :

MSVOA_L

ClientSampleId :

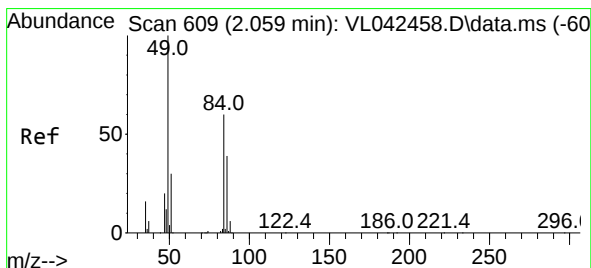
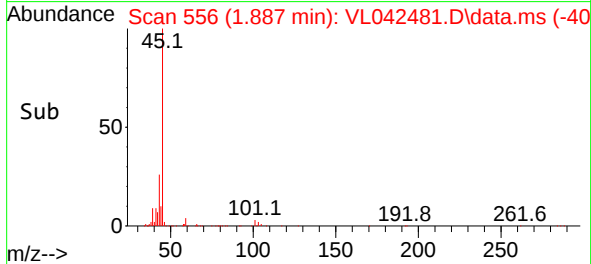
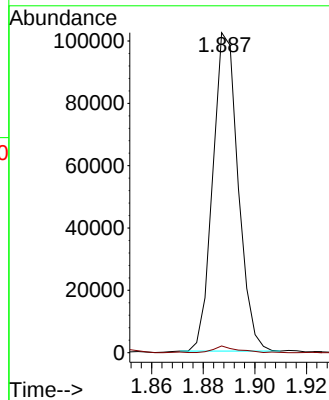
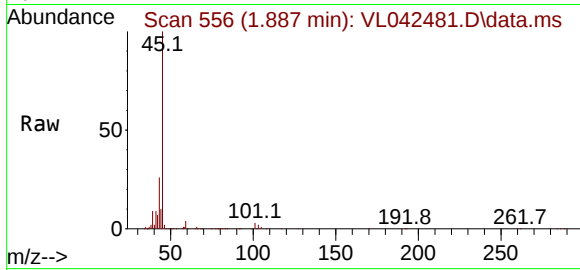
EBR-P07-SC-IA01-20250428

Tgt Ion: 45 Resp: 69736

Ion Ratio Lower Upper

45 100

58 2.2 1.6 2.4



#20

Methylene Chloride

Concen: 1.605 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042481.D

Acq: 05 May 2025 18:06

Tgt Ion: 84 Resp: 6011

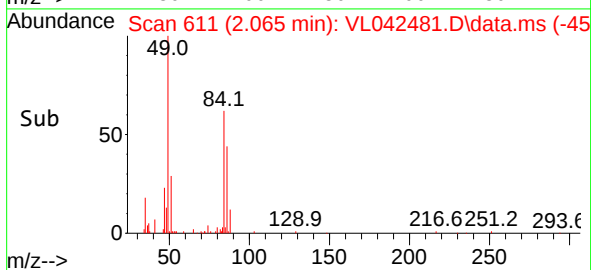
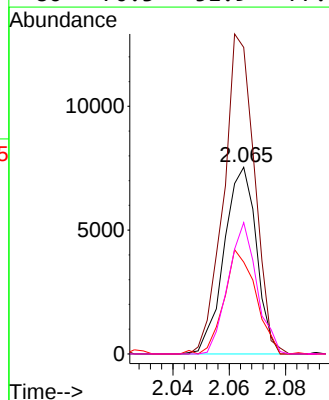
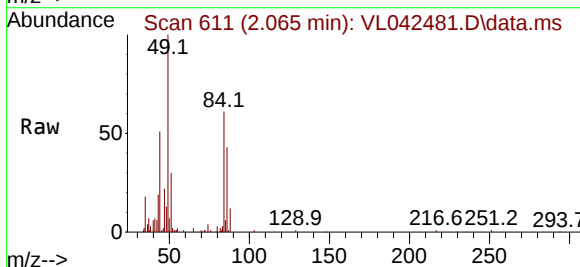
Ion Ratio Lower Upper

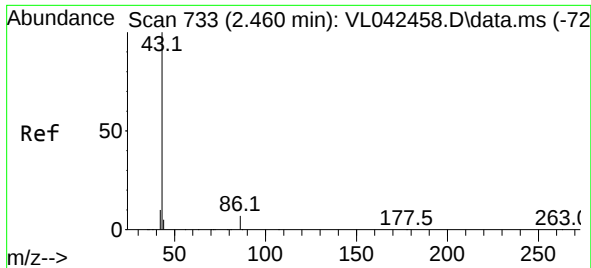
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49 164.1 133.9 200.9

51 49.1 41.0 61.6

86 70.3 51.9 77.9

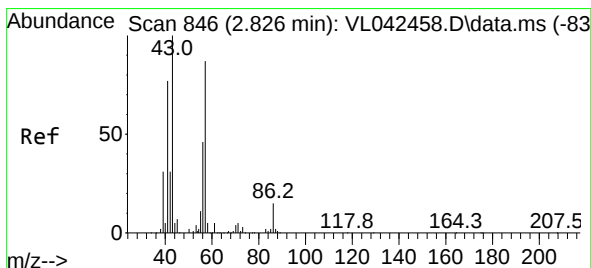
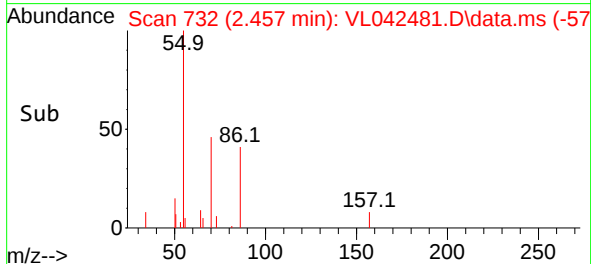
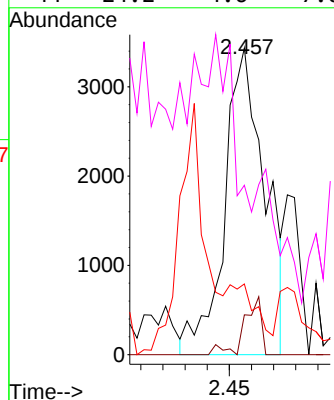
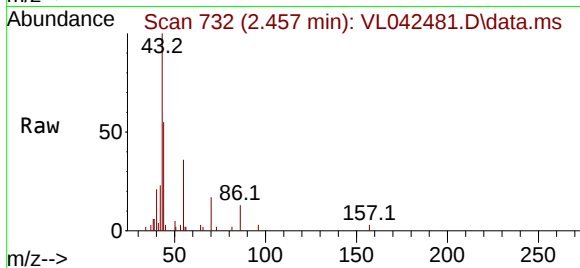




#23
 Vinyl Acetate
 Concen: 0.366 ppbv
 RT: 2.457 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL042481.D
 Acq: 05 May 2025 18:06

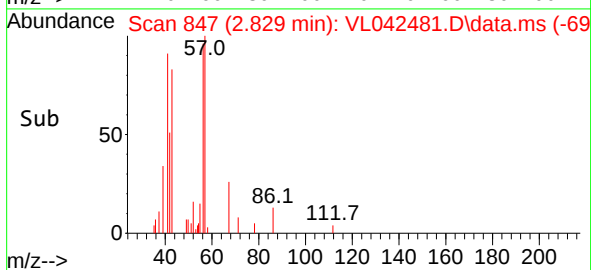
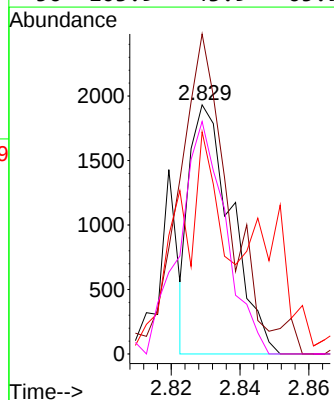
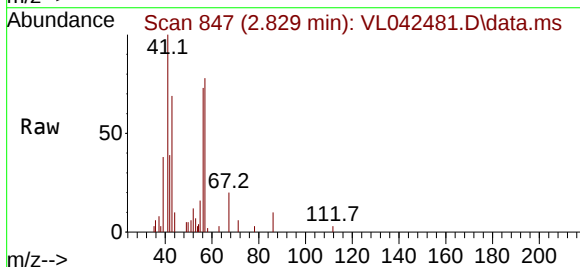
Instrument :
 MSVOA_1
 ClientSampleId :
 EBR-P07-SC-IA01-20250428

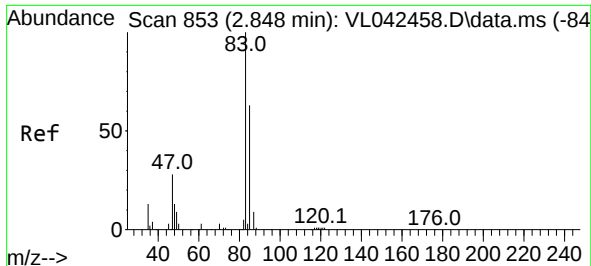
Tgt Ion: 43	Resp: 4353
Ion Ratio	Lower Upper
43 100	
86 13.6	5.5 8.3#
42 2.6	8.3 12.5#
44 24.2	4.6 7.0#



#26
 Hexane
 Concen: 0.188 ppbv
 RT: 2.829 min Scan# 847
 Delta R.T. 0.003 min
 Lab File: VL042481.D
 Acq: 05 May 2025 18:06

Tgt Ion: 57	Resp: 1635
Ion Ratio	Lower Upper
57 100	
41 164.0	77.8 116.8#
43 159.8	187.0 280.6#
56 103.9	43.9 65.9#





#29

Chloroform

Concen: 0.031 ppbv

RT: 2.848 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042481.D

Acq: 05 May 2025 18:06

Instrument :

MSVOA_1

ClientSampleId :

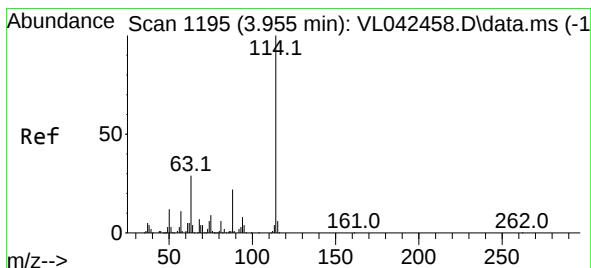
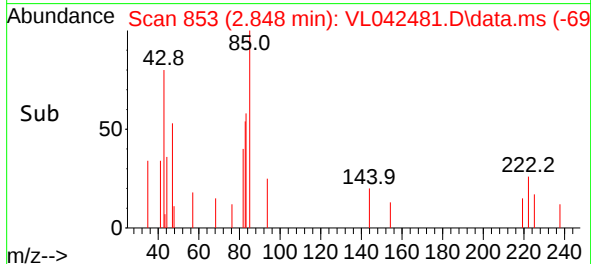
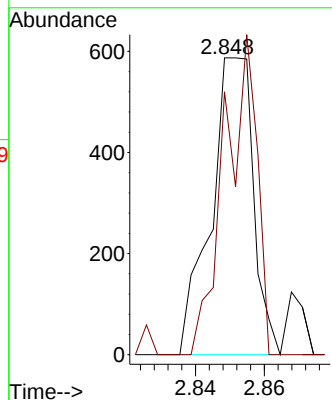
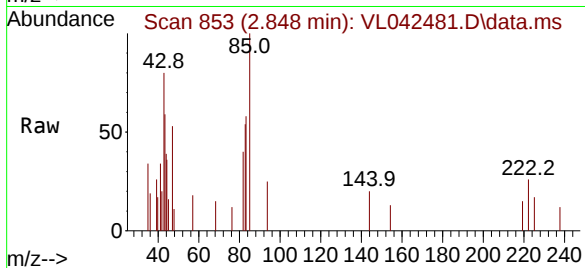
EBR-P07-SC-IA01-20250428

Tgt Ion: 83 Resp: 505

Ion Ratio Lower Upper

83 100

85 88.6 50.4 75.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL042481.D

Acq: 05 May 2025 18:06

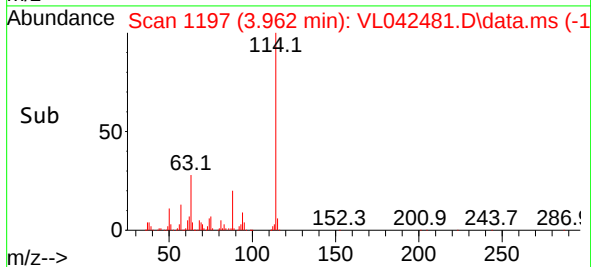
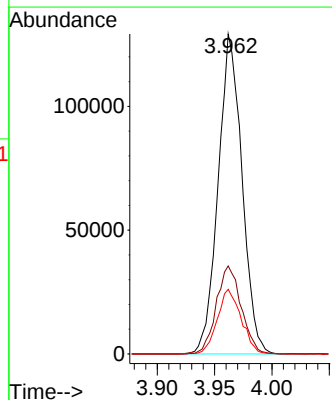
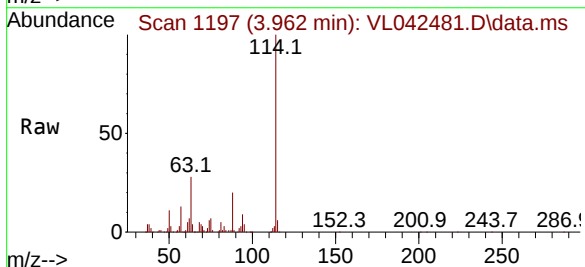
Tgt Ion: 114 Resp: 186800

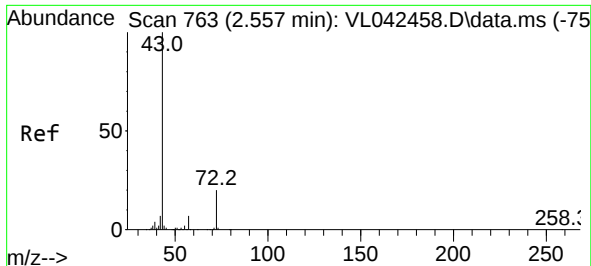
Ion Ratio Lower Upper

114 100

63 28.9 23.1 34.7

88 20.3 16.1 24.1

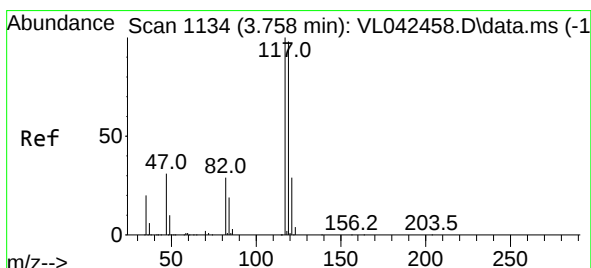
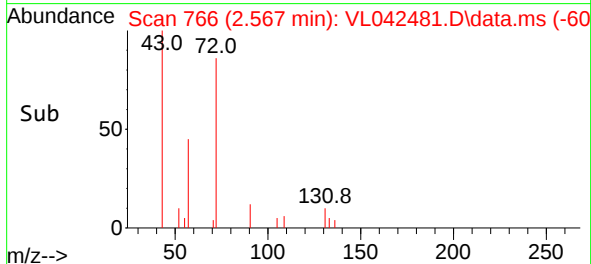
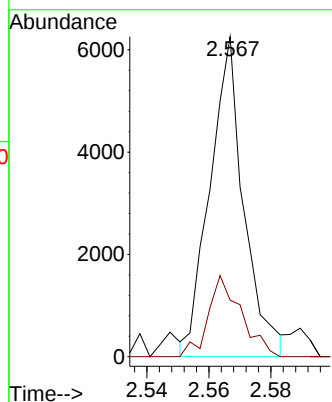
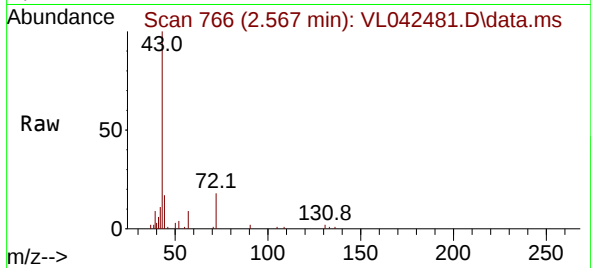




#34
2-Butanone
Concen: 0.351 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.010 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

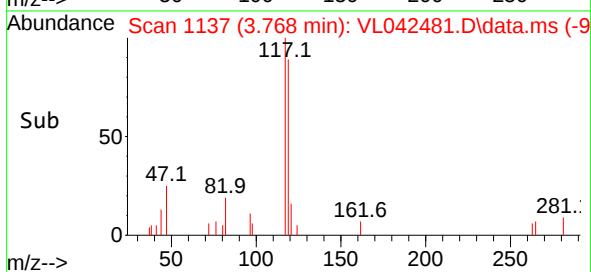
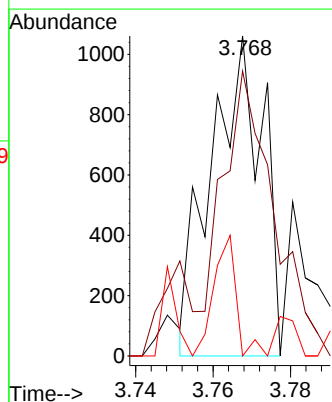
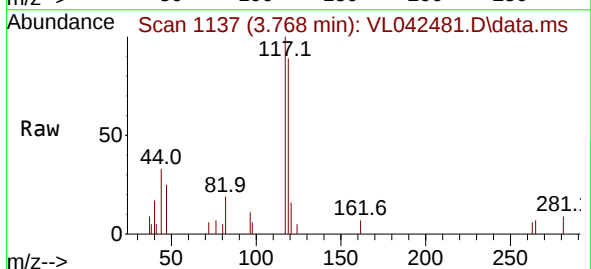
Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

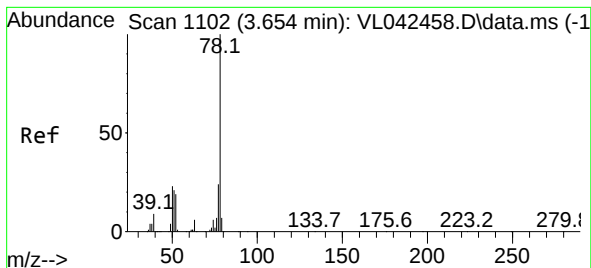
Tgt Ion: 43 Resp: 4742
Ion Ratio Lower Upper
43 100
72 24.7 16.7 25.1



#35
Carbon Tetrachloride
Concen: 0.058 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 117 Resp: 982
Ion Ratio Lower Upper
117 100
119 60.4 78.1 117.1#
121 0.0 23.0 34.6#





#36

Benzene

Concen: 0.046 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VL042481.D

Acq: 05 May 2025 18:06

Instrument :

MSVOA_L

ClientSampleId :

EBR-P07-SC-IA01-20250428

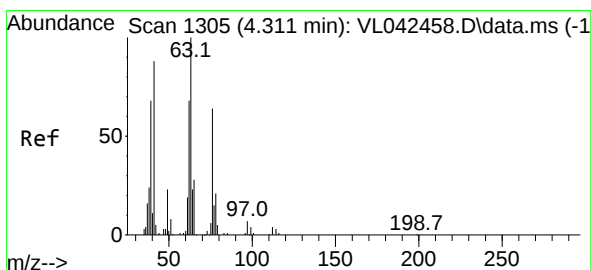
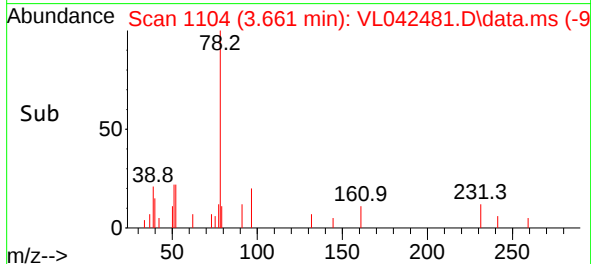
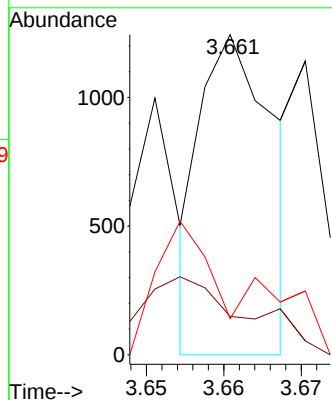
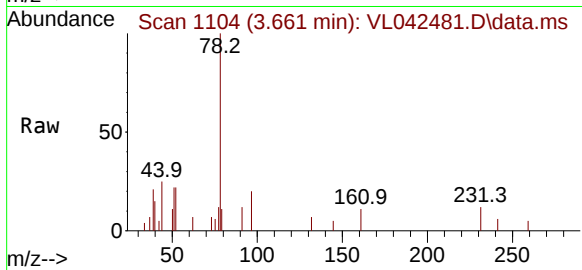
Tgt Ion: 78 Resp: 813

Ion Ratio Lower Upper

78 100

77 0.0 18.9 28.3#

50 0.0 18.4 27.6#



#39

1,2-Dichloropropane

Concen: 8.119 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.350 min

Lab File: VL042481.D

Acq: 05 May 2025 18:06

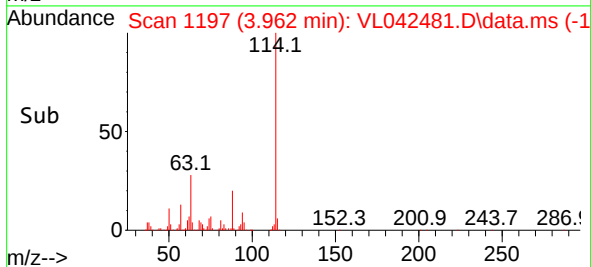
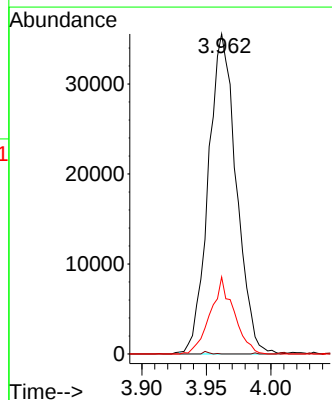
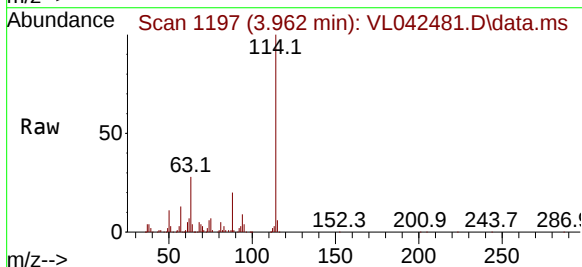
Tgt Ion: 63 Resp: 53581

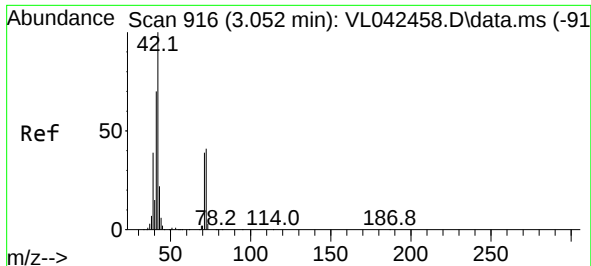
Ion Ratio Lower Upper

63 100

41 0.0 69.8 104.6#

62 24.0 54.3 81.5#





#41

Tetrahydrofuran

Concen: 0.169 ppbv

RT: 3.068 min Scan# 91

Delta R.T. 0.016 min

Lab File: VL042481.D

Acq: 05 May 2025 18:06

Instrument :

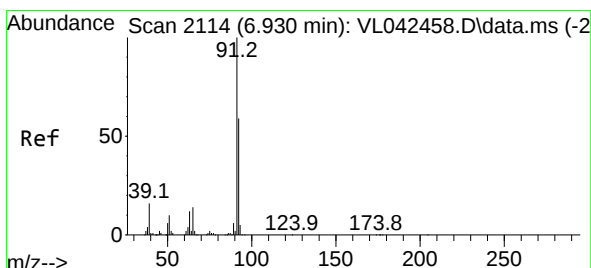
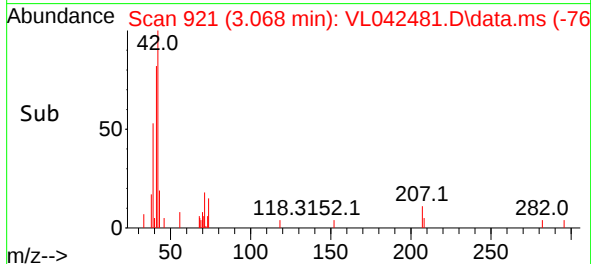
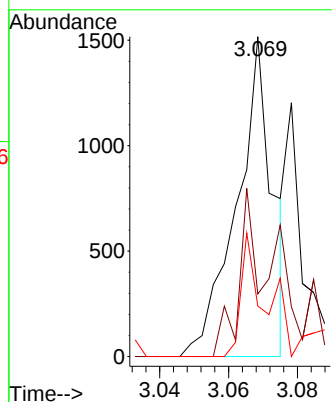
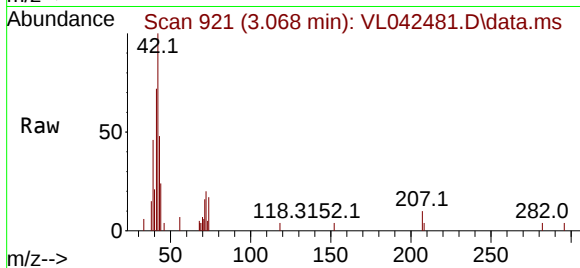
MSVOA_L

ClientSampleId :

EBR-P07-SC-IA01-20250428

Tgt Ion: 42 Resp: 1084

Ion	Ratio	Lower	Upper
42	100		
72	56.3	33.5	50.3#
71	42.7	32.6	49.0



#53

Toluene

Concen: 0.050 ppbv

RT: 6.946 min Scan# 2119

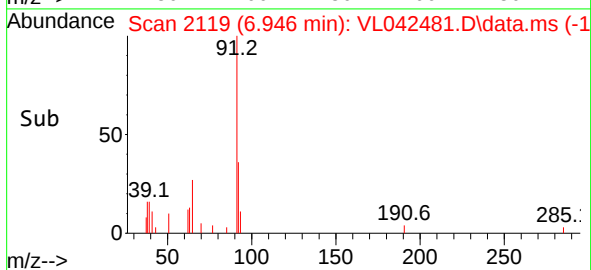
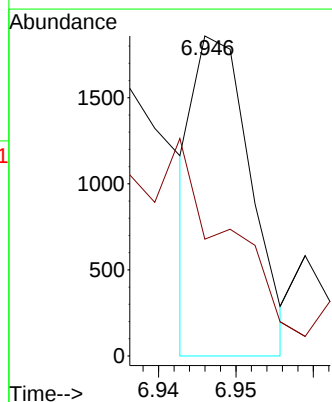
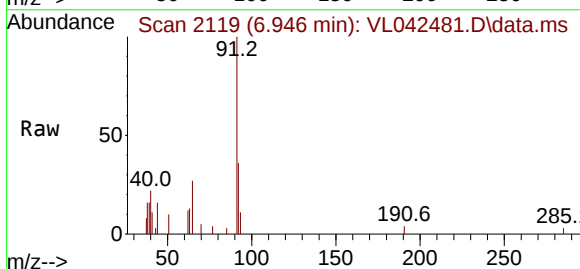
Delta R.T. 0.016 min

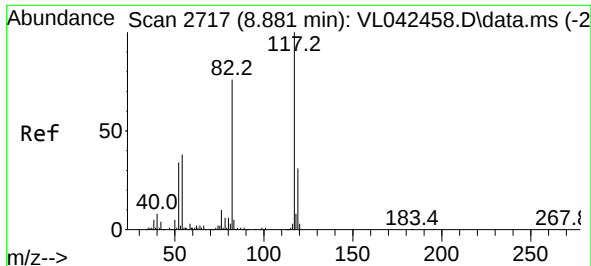
Lab File: VL042481.D

Acq: 05 May 2025 18:06

Tgt Ion: 91 Resp: 934

Ion	Ratio	Lower	Upper
91	100		
92	178.5	47.9	71.9#

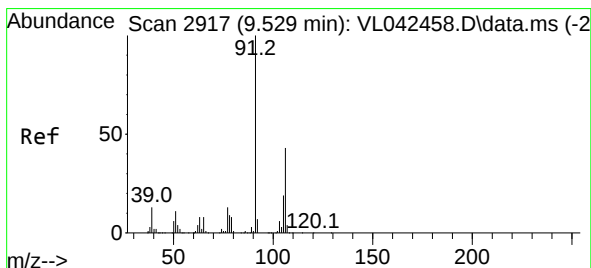
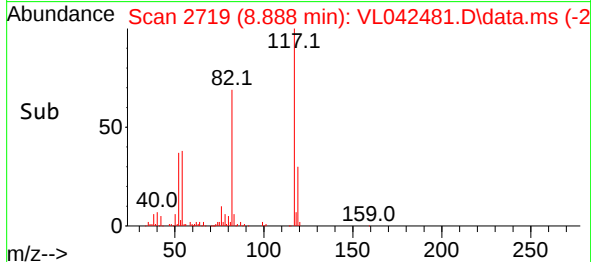
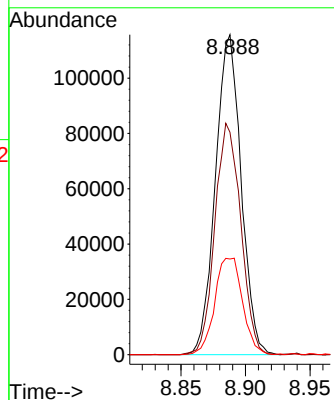
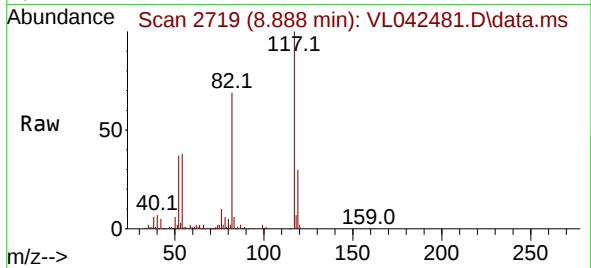




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

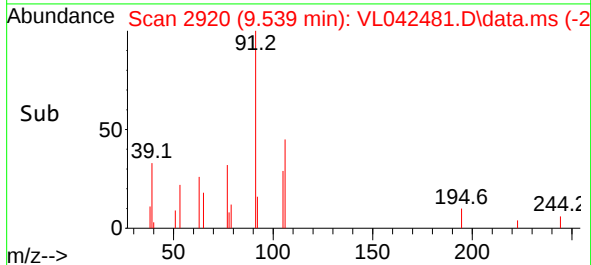
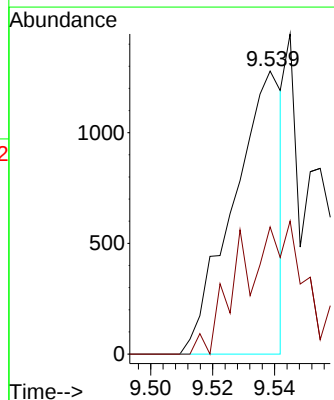
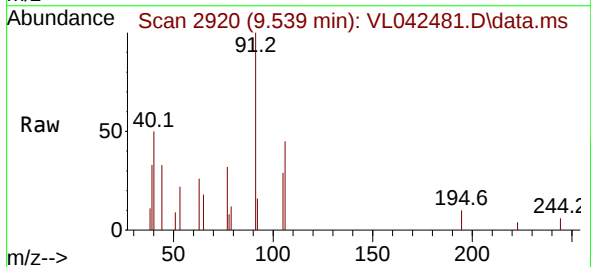
Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

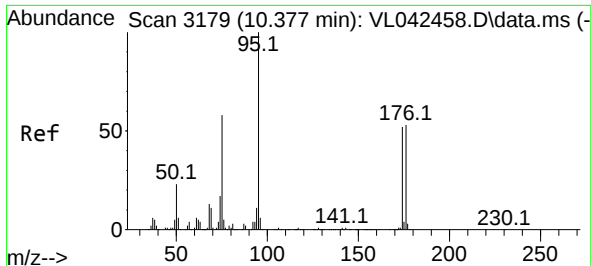
Tgt Ion:117 Resp: 160233
Ion Ratio Lower Upper
117 100
82 72.9 63.5 95.3
119 32.7 25.8 38.8



#59
m/p-Xylene
Concen: 0.062 ppbv
RT: 9.539 min Scan# 2920
Delta R.T. 0.010 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 91 Resp: 1393
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

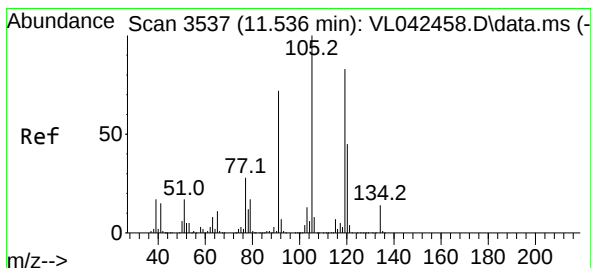
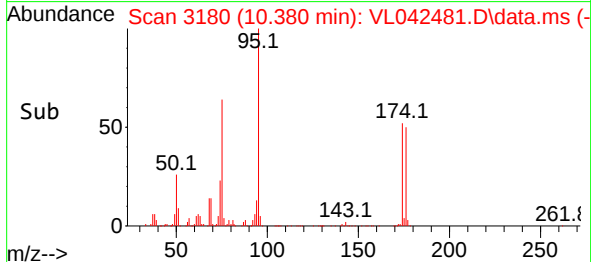
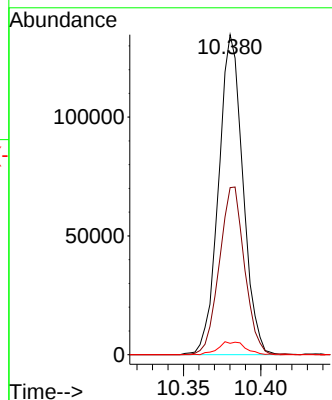
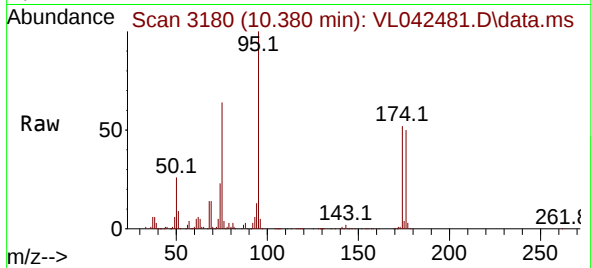




#68
1-Bromo-4-Fluorobenzene
Concen: 9.903 ppbv
RT: 10.380 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428

Tgt Ion: 95 Resp: 147117
Ion Ratio Lower Upper
95 100
174 54.4 42.7 64.1
175 4.5 3.6 5.4



#74
1,2,4-Trimethylbenzene
Concen: 0.073 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.010 min
Lab File: VL042481.D
Acq: 05 May 2025 18:06

Tgt Ion: 105 Resp: 2047
Ion Ratio Lower Upper
105 100
120 22.9 36.1 54.1#
91 15.6 57.6 86.4#
77 17.3 22.1 33.1#

