

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042482.D
 Acq On : 05 May 2025 18:39
 Operator : SY/MD
 Sample : Q1927-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: May 06 01:45:02 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)

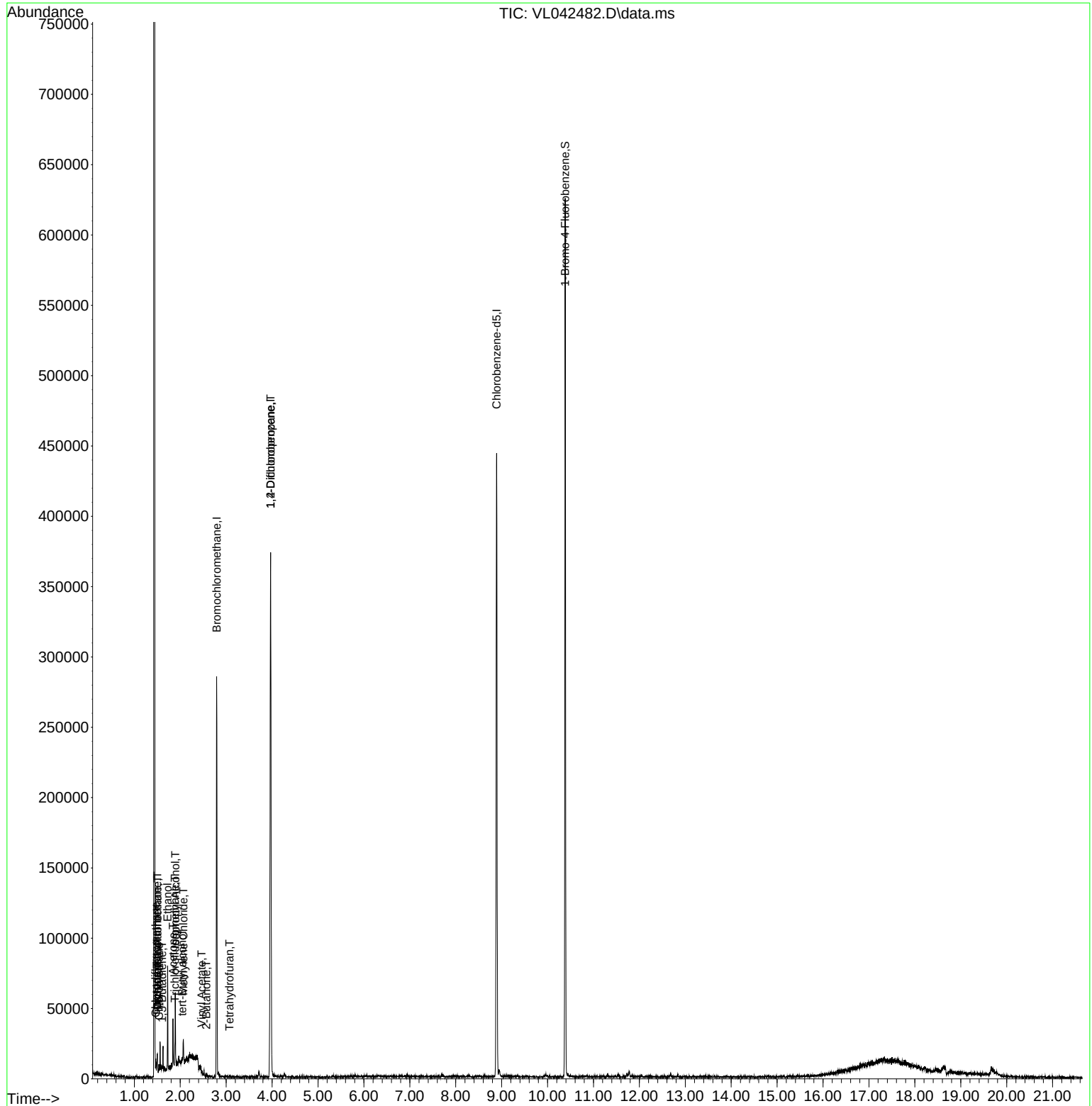
Internal Standards						
1) Bromochloromethane	2.793	49	69770	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	188330	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	156078	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	143721	9.932	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	2459	0.213	ppbv	92
3) Chlorodifluoromethane	1.466	51	3953	0.324	ppbv #	64
4) Chloromethane	1.534	50	806	0.167	ppbv #	85
8) Dichlorotetrafluoroethane	1.502	85	2459	0.258	ppbv #	20
9) Propene	1.492	41	1145	0.287	ppbv	86
11) Trichlorofluoromethane	1.881	101	2432	0.228	ppbv #	78
13) Ethanol	1.725	45	23751	29.313	ppbv	99
15) Acetone	1.842	43	15139	1.189	ppbv	94
16) 1,3-Butadiene	1.605	39	377	0.067	ppbv #	15
17) tert-Butyl alcohol	2.046	59	576	0.051	ppbv	96
19) Isopropyl Alcohol	1.890	45	17192	2.439	ppbv #	96
20) Methylene Chloride	2.068	84	2318	0.605	ppbv #	59
23) Vinyl Acetate	2.466	43	387	0.032	ppbv #	51
34) 2-Butanone	2.567	43	1364	0.100	ppbv	97
39) 1,2-Dichloropropane	3.968	63	55866	8.397	ppbv #	19
41) Tetrahydrofuran	3.072	42	310	0.048	ppbv #	42

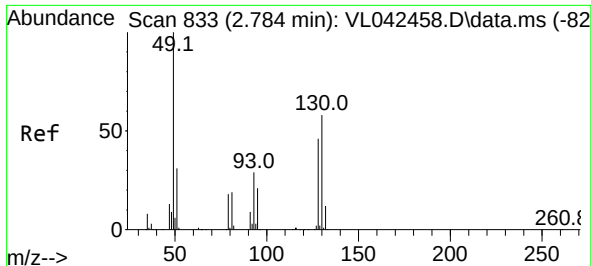
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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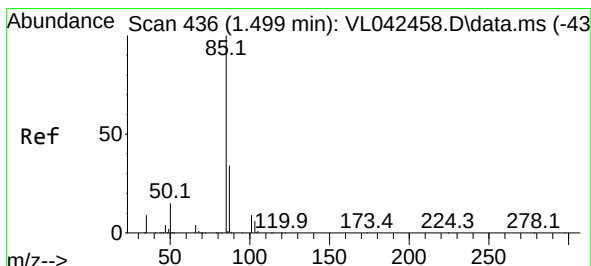
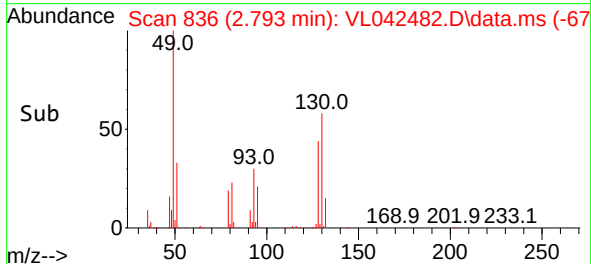
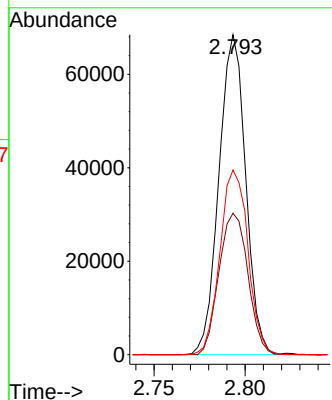
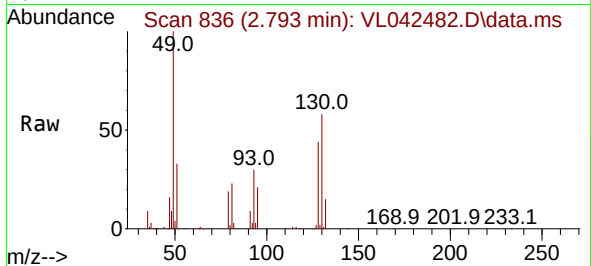




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

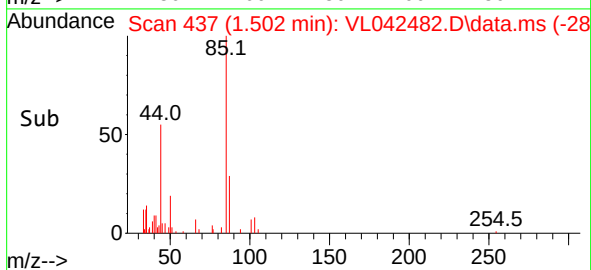
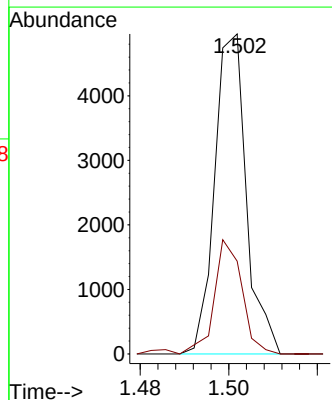
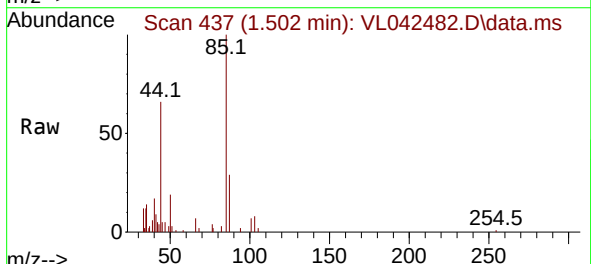
Instrument :
MSVOA_1
ClientSampleId :
EBR-P07-SC-IA01-20250428DL

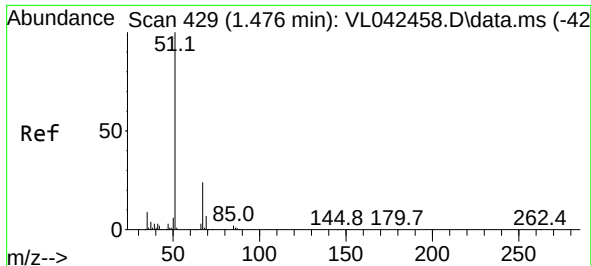
Tgt Ion: 49 Resp: 69770
Ion Ratio Lower Upper
49 100
128 48.0 23.3 69.9
130 60.5 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 0.213 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

Tgt Ion: 85 Resp: 2459
Ion Ratio Lower Upper
85 100
87 29.0 26.9 40.3

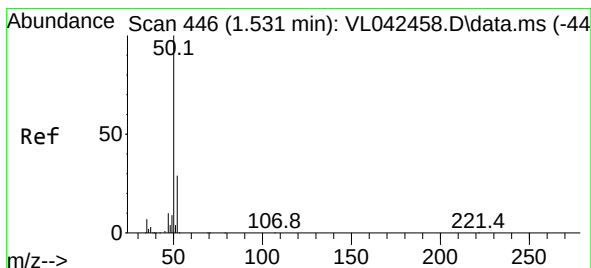
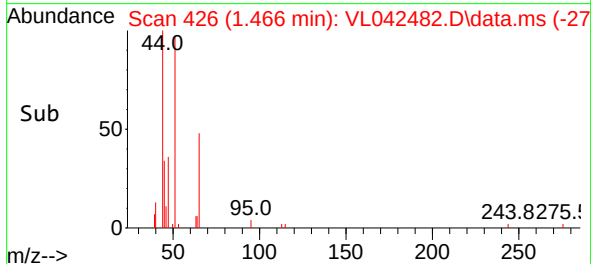
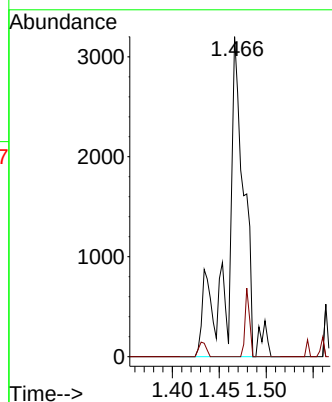
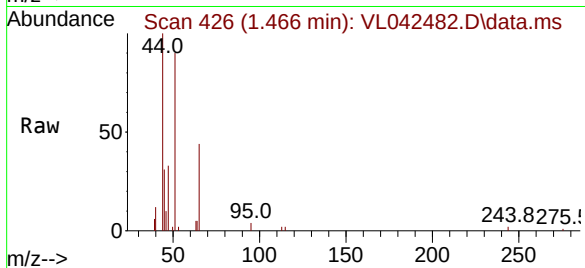




#3
Chlorodifluoromethane
Concen: 0.324 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

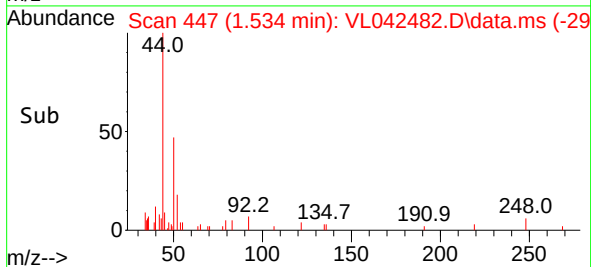
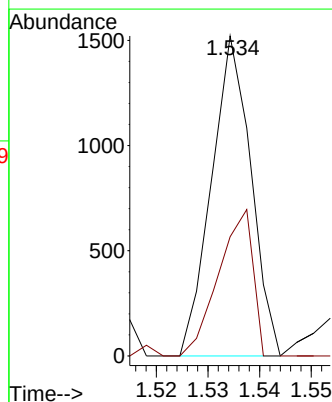
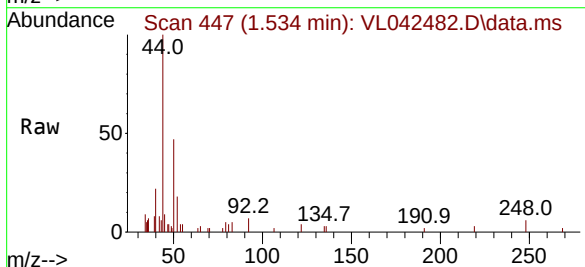
Instrument :
MSVOA_L
ClientSampleId :
EBR-P07-SC-IA01-20250428DL

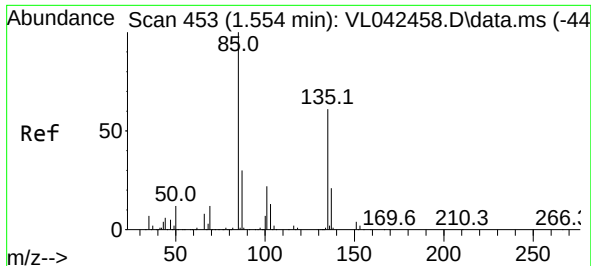
Tgt Ion: 51 Resp: 3953
Ion Ratio Lower Upper
51 100
67 5.8 18.4 27.6#



#4
Chloromethane
Concen: 0.167 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

Tgt Ion: 50 Resp: 806
Ion Ratio Lower Upper
50 100
52 37.2 23.5 35.3#

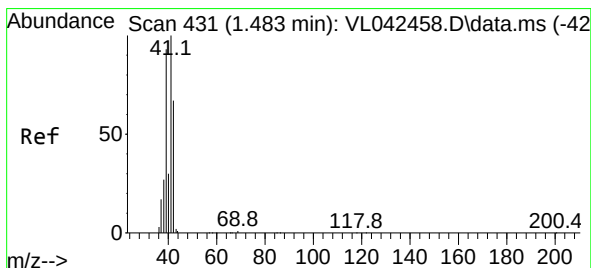
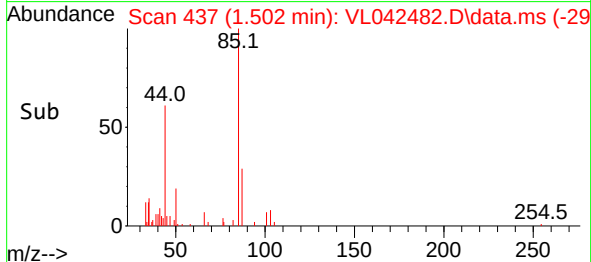
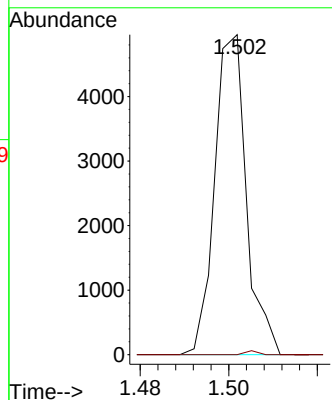
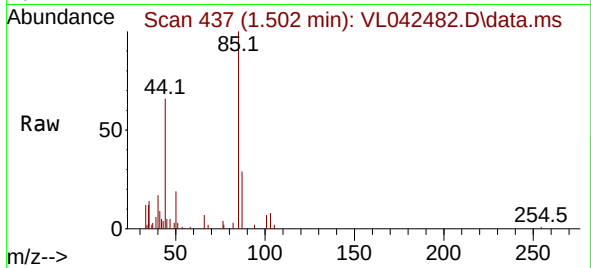




#8
 Dichlorotetrafluoroethane
 Concen: 0.258 ppbv
 RT: 1.502 min Scan# 41
 Delta R.T. -0.052 min
 Lab File: VL042482.D
 Acq: 05 May 2025 18:39

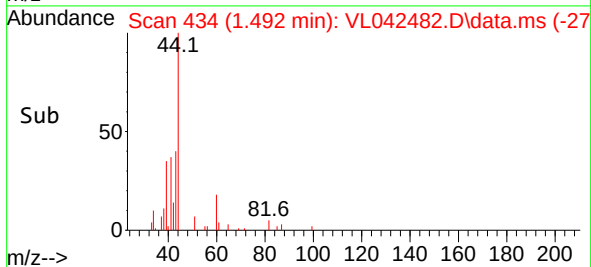
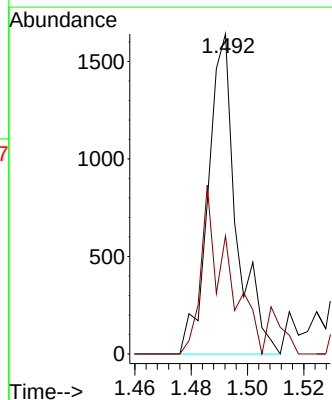
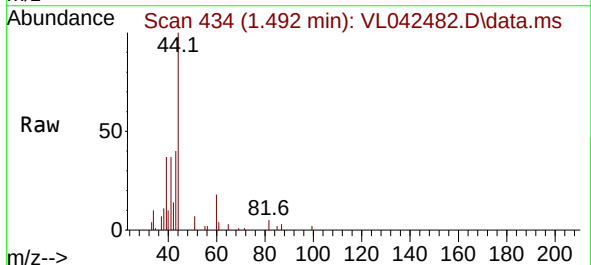
Instrument :
 MSVOA_1
 ClientSampleId :
 EBR-P07-SC-IA01-20250428DL

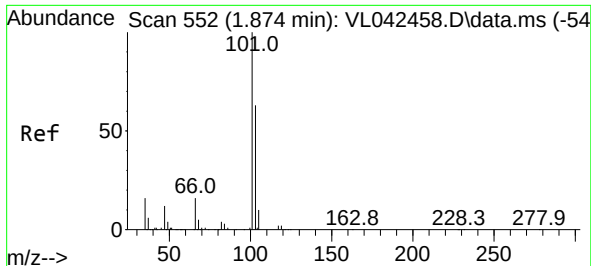
Tgt Ion: 85 Resp: 2459
 Ion Ratio Lower Upper
 85 100
 135 0.5 49.8 74.8#



#9
 Propene
 Concen: 0.287 ppbv
 RT: 1.492 min Scan# 434
 Delta R.T. 0.010 min
 Lab File: VL042482.D
 Acq: 05 May 2025 18:39

Tgt Ion: 41 Resp: 1145
 Ion Ratio Lower Upper
 41 100
 42 56.7 54.3 81.5

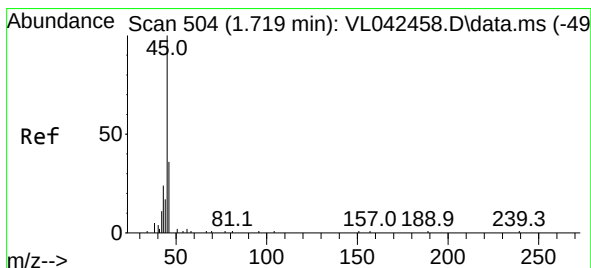
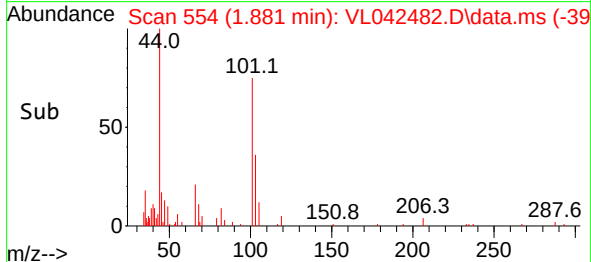
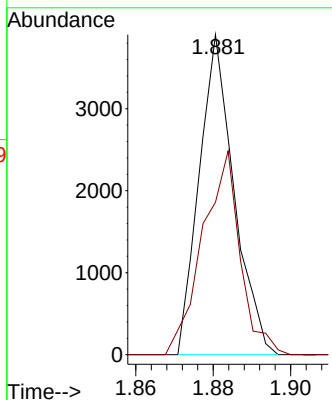
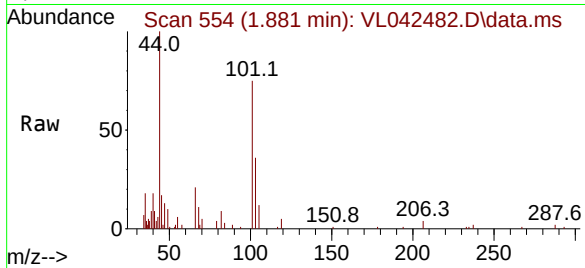




#11
 Trichlorofluoromethane
 Concen: 0.228 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL042482.D
 Acq: 05 May 2025 18:39

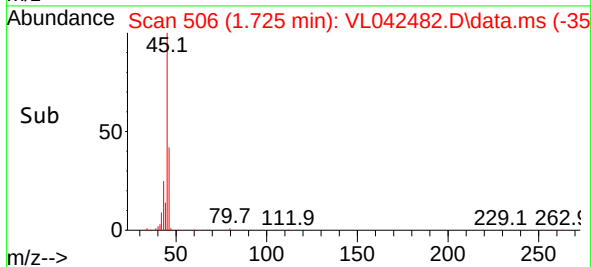
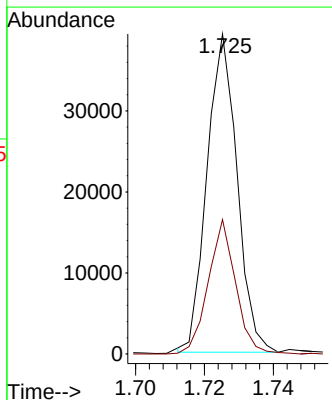
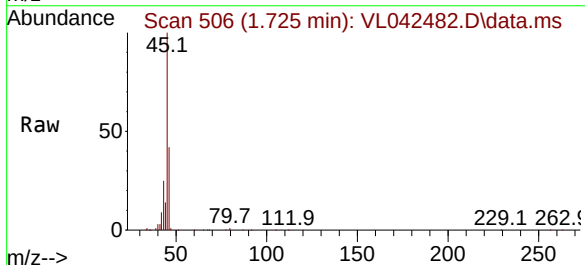
Instrument :
 MSVOA_1
 ClientSampleId :
 EBR-P07-SC-IA01-20250428DL

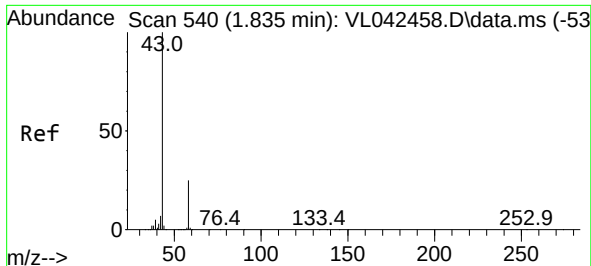
Tgt Ion:101 Resp: 2432
 Ion Ratio Lower Upper
 101 100
 103 46.1 50.6 76.0#



#13
 Ethanol
 Concen: 29.313 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.006 min
 Lab File: VL042482.D
 Acq: 05 May 2025 18:39

Tgt Ion: 45 Resp: 23751
 Ion Ratio Lower Upper
 45 100
 46 39.0 15.3 61.1





#15

Acetone

Concen: 1.189 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL042482.D

Acq: 05 May 2025 18:39

Instrument :

MSVOA_L

ClientSampleId :

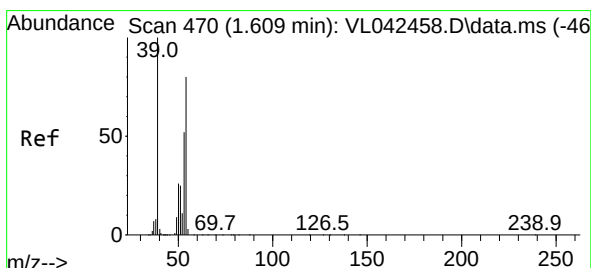
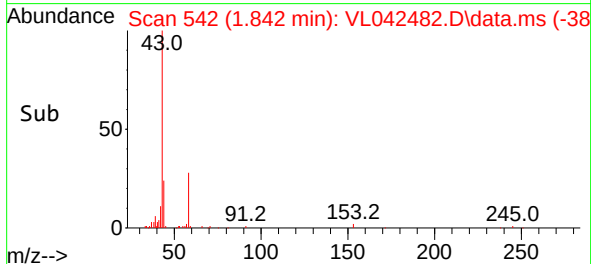
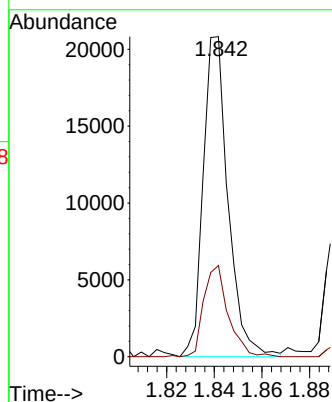
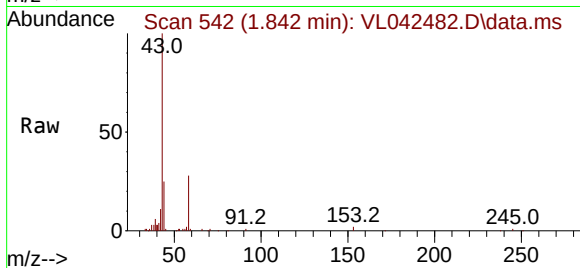
EBR-P07-SC-IA01-20250428DL

Tgt Ion: 43 Resp: 15139

Ion Ratio Lower Upper

43 100

58 28.0 19.8 29.8



#16

1,3-Butadiene

Concen: 0.067 ppbv

RT: 1.605 min Scan# 469

Delta R.T. -0.003 min

Lab File: VL042482.D

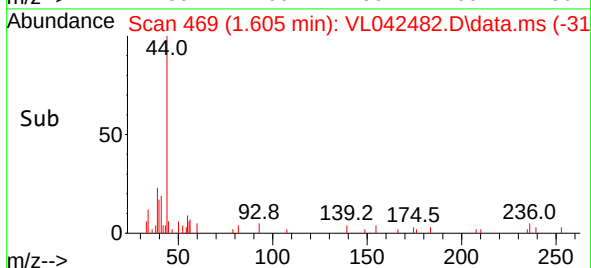
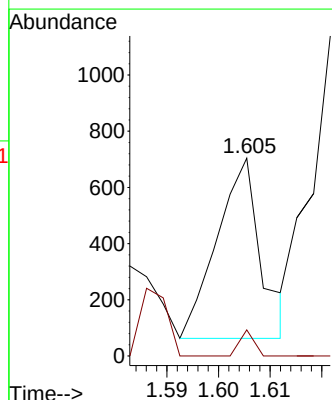
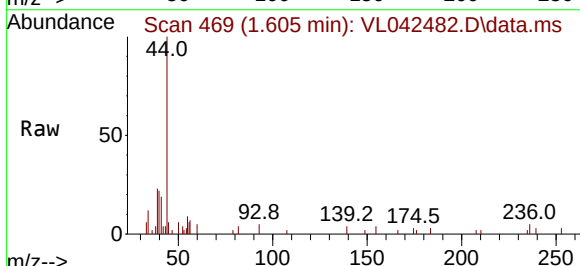
Acq: 05 May 2025 18:39

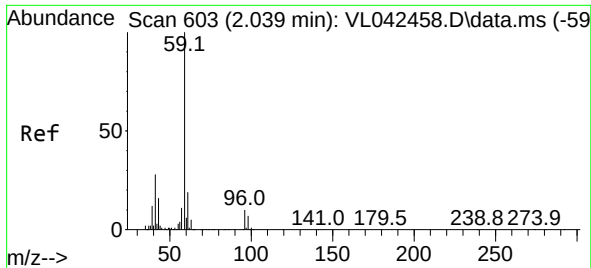
Tgt Ion: 39 Resp: 377

Ion Ratio Lower Upper

39 100

54 0.0 55.2 82.8#

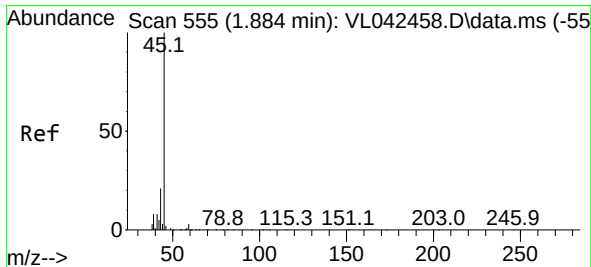
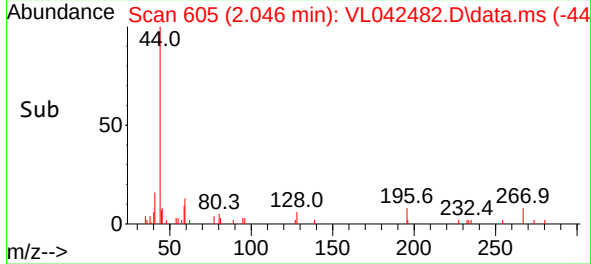
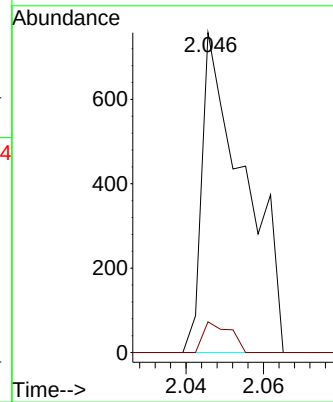
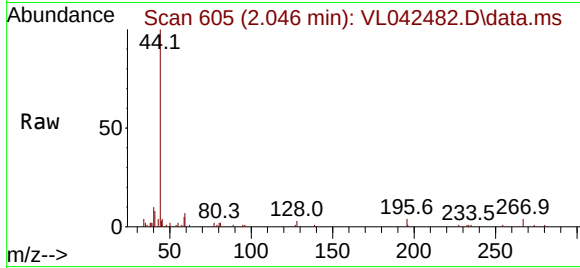




#17
tert-Butyl alcohol
Concen: 0.051 ppbv
RT: 2.046 min Scan# 603
Delta R.T. 0.006 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

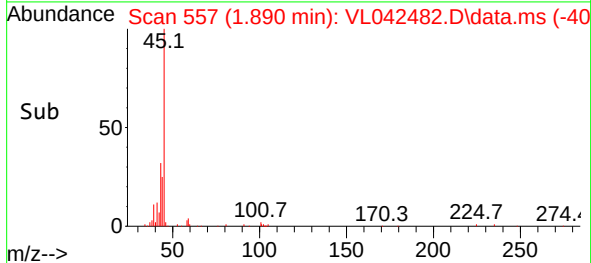
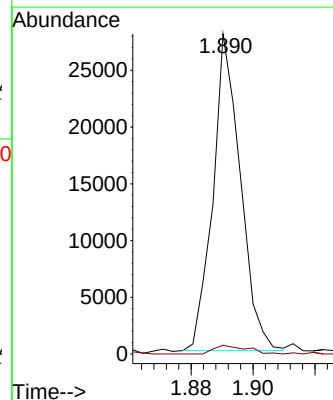
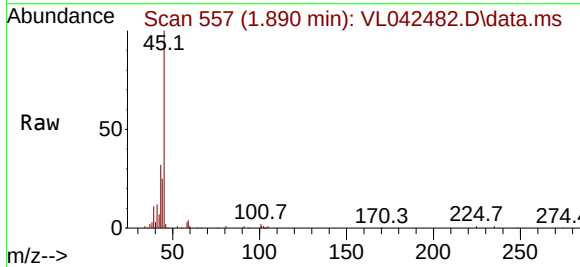
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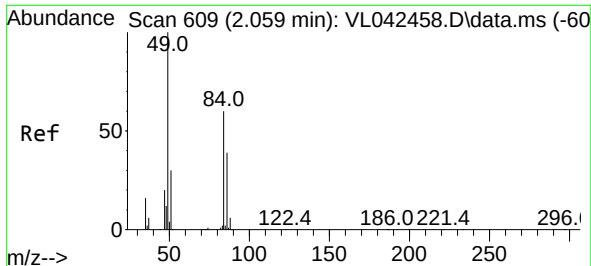
Tgt Ion: 59 Resp: 576
Ion Ratio Lower Upper
59 100
57 9.0 8.3 12.5



#19
Isopropyl Alcohol
Concen: 2.439 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

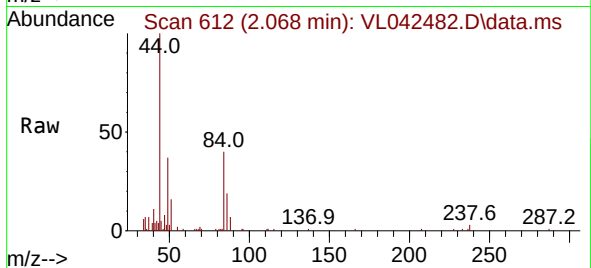
Tgt Ion: 45 Resp: 17192
Ion Ratio Lower Upper
45 100
58 3.5 1.6 2.4#



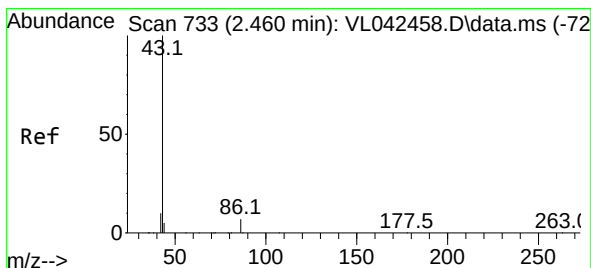
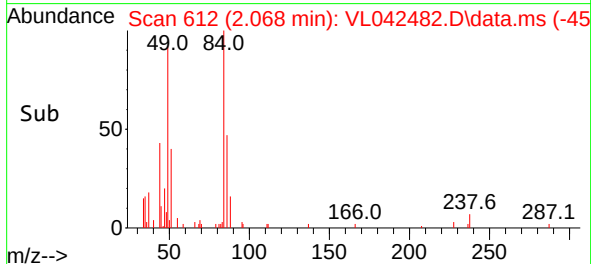
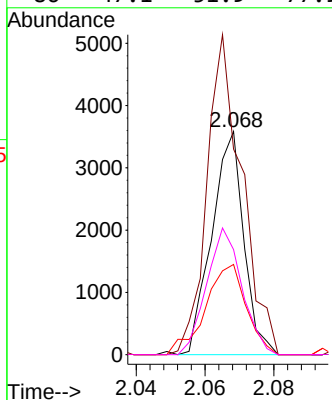


#20
Methylene Chloride
Concen: 0.605 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.010 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

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

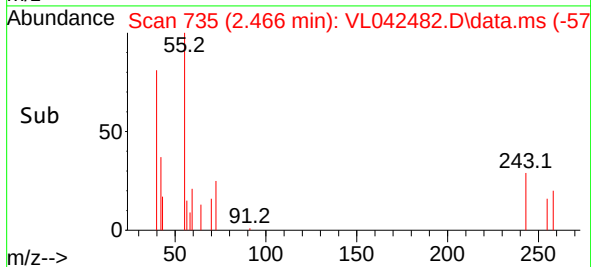
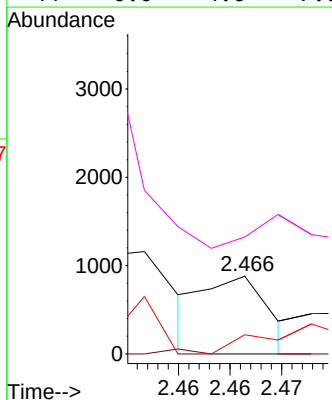
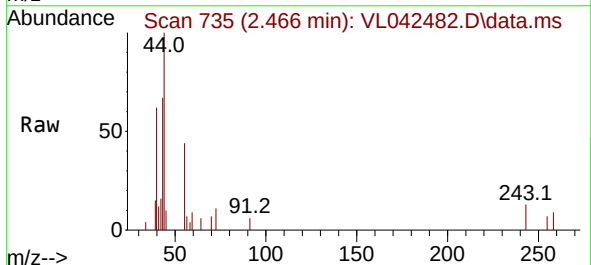


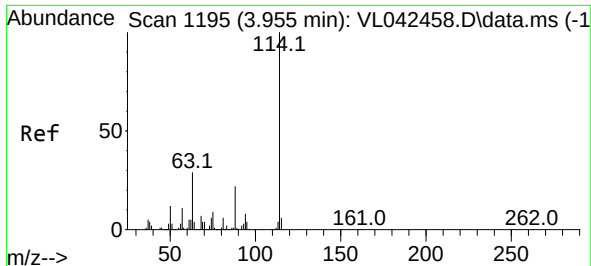
Tgt Ion:	84	Resp:	2318
Ion	Ratio	Lower	Upper
84	100		
49	92.2	133.9	200.9#
51	40.4	41.0	61.6#
86	47.1	51.9	77.9#



#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 2.466 min Scan# 735
Delta R.T. 0.006 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

Tgt Ion:	43	Resp:	387
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	42.5	8.3	12.5#
44	0.0	4.6	7.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042482.D

Acq: 05 May 2025 18:39

Instrument :

MSVOA_L

ClientSampleId :

EBR-P07-SC-IA01-20250428DL

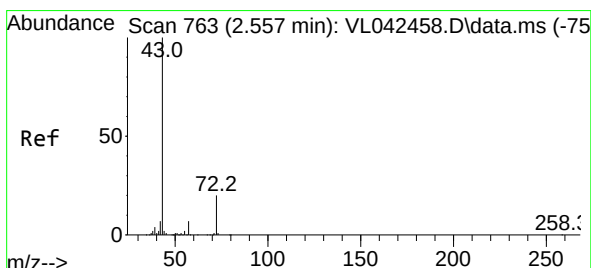
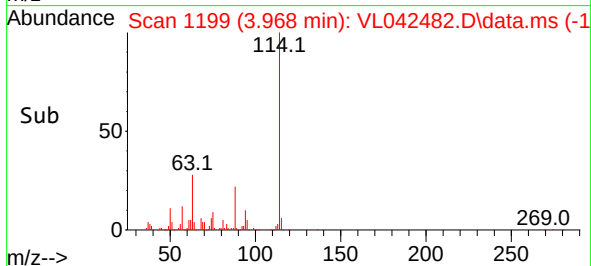
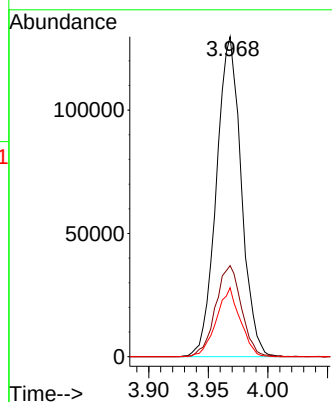
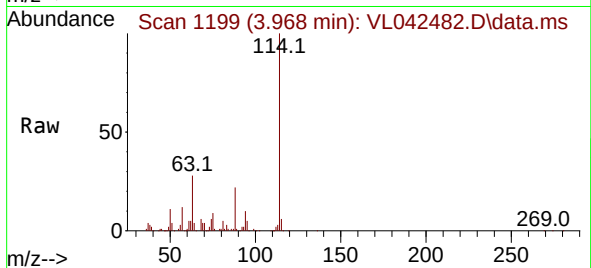
Tgt Ion:114 Resp: 188330

Ion Ratio Lower Upper

114 100

63 29.8 23.1 34.7

88 20.7 16.1 24.1



#34

2-Butanone

Concen: 0.100 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.010 min

Lab File: VL042482.D

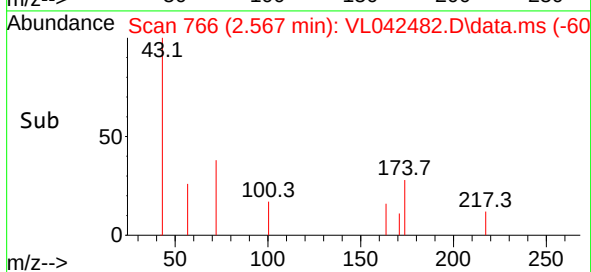
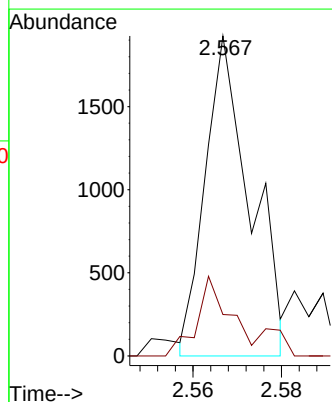
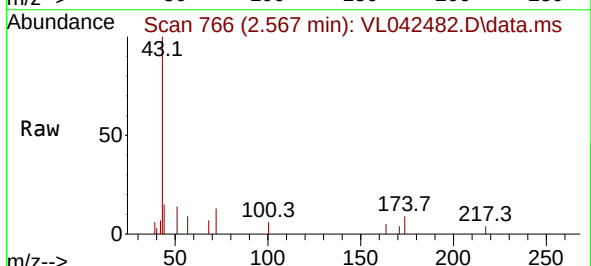
Acq: 05 May 2025 18:39

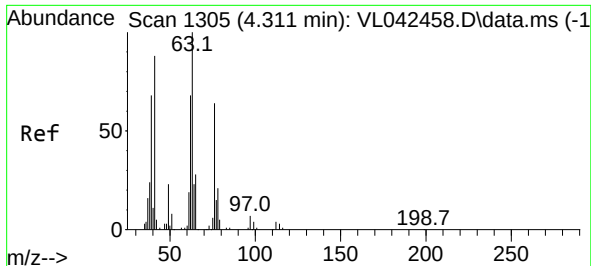
Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

43 100

72 22.5 16.7 25.1





#39

1,2-Dichloropropane

Concen: 8.397 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.343 min

Lab File: VL042482.D

Acq: 05 May 2025 18:39

Instrument :

MSVOA_L

ClientSampleId :

EBR-P07-SC-IA01-20250428DL

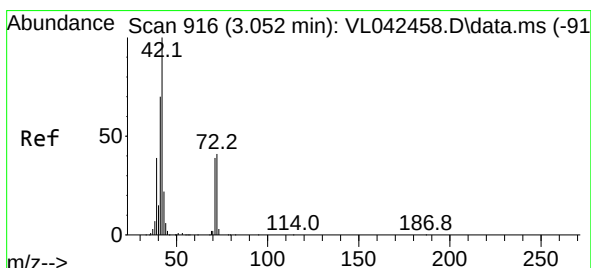
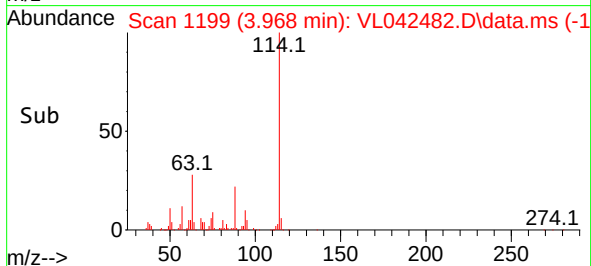
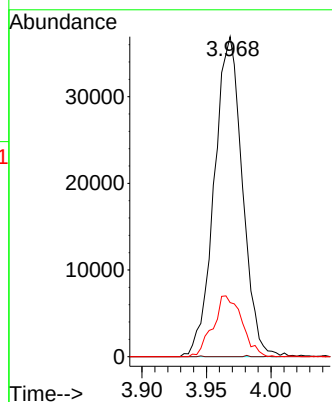
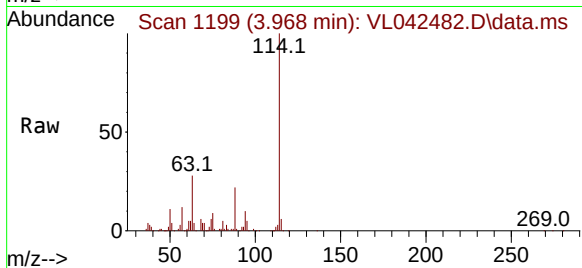
Tgt Ion: 63 Resp: 55866

Ion Ratio Lower Upper

63 100

41 0.0 69.8 104.6#

62 16.9 54.3 81.5#



#41

Tetrahydrofuran

Concen: 0.048 ppbv

RT: 3.072 min Scan# 922

Delta R.T. 0.019 min

Lab File: VL042482.D

Acq: 05 May 2025 18:39

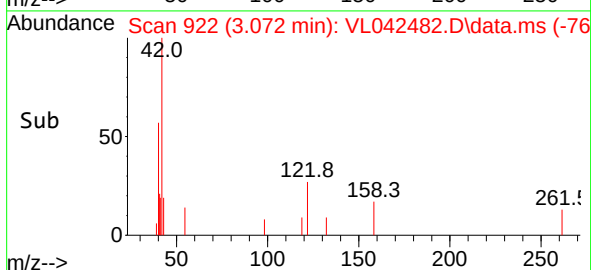
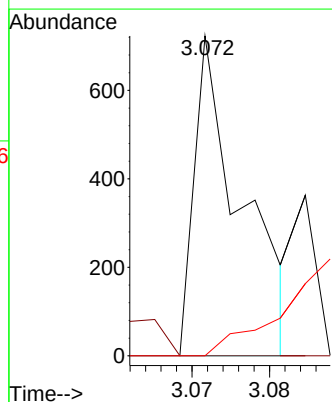
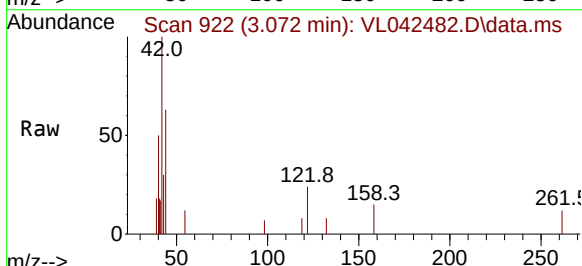
Tgt Ion: 42 Resp: 310

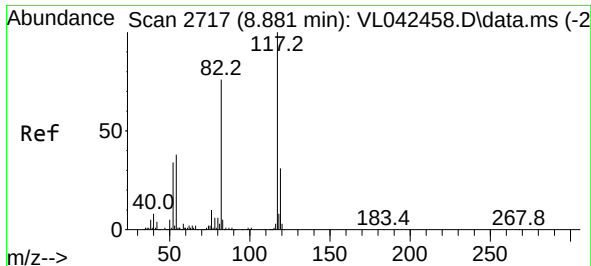
Ion Ratio Lower Upper

42 100

72 10.0 33.5 50.3#

71 0.0 32.6 49.0#

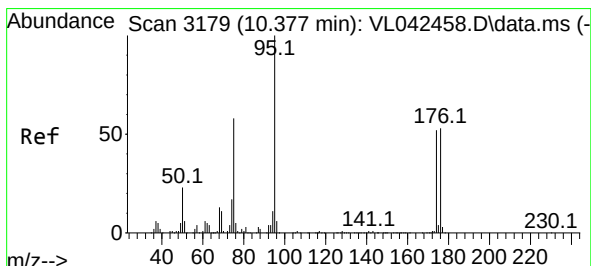
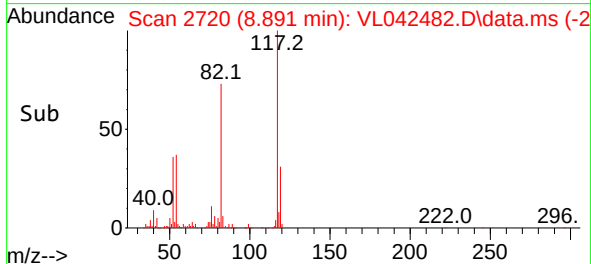
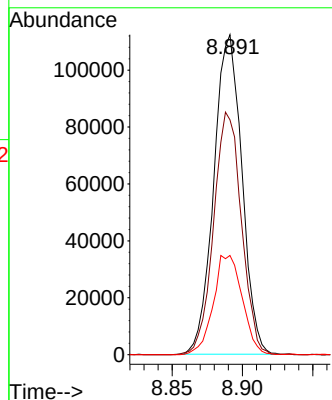
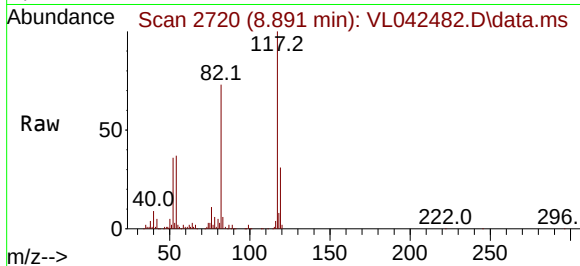




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

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

Tgt Ion: 117 Resp: 156078
Ion Ratio Lower Upper
117 100
82 75.2 63.5 95.3
119 32.2 25.8 38.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.932 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.006 min
Lab File: VL042482.D
Acq: 05 May 2025 18:39

Tgt Ion: 95 Resp: 143721
Ion Ratio Lower Upper
95 100
174 52.8 42.7 64.1
175 4.0 3.6 5.4

