

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042450.D
 Acq On : 29 Apr 2025 17:04
 Operator : SY/MD
 Sample : Q1880-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P11-SC-SS01-20250421DL

Quant Time: Apr 30 01:23:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

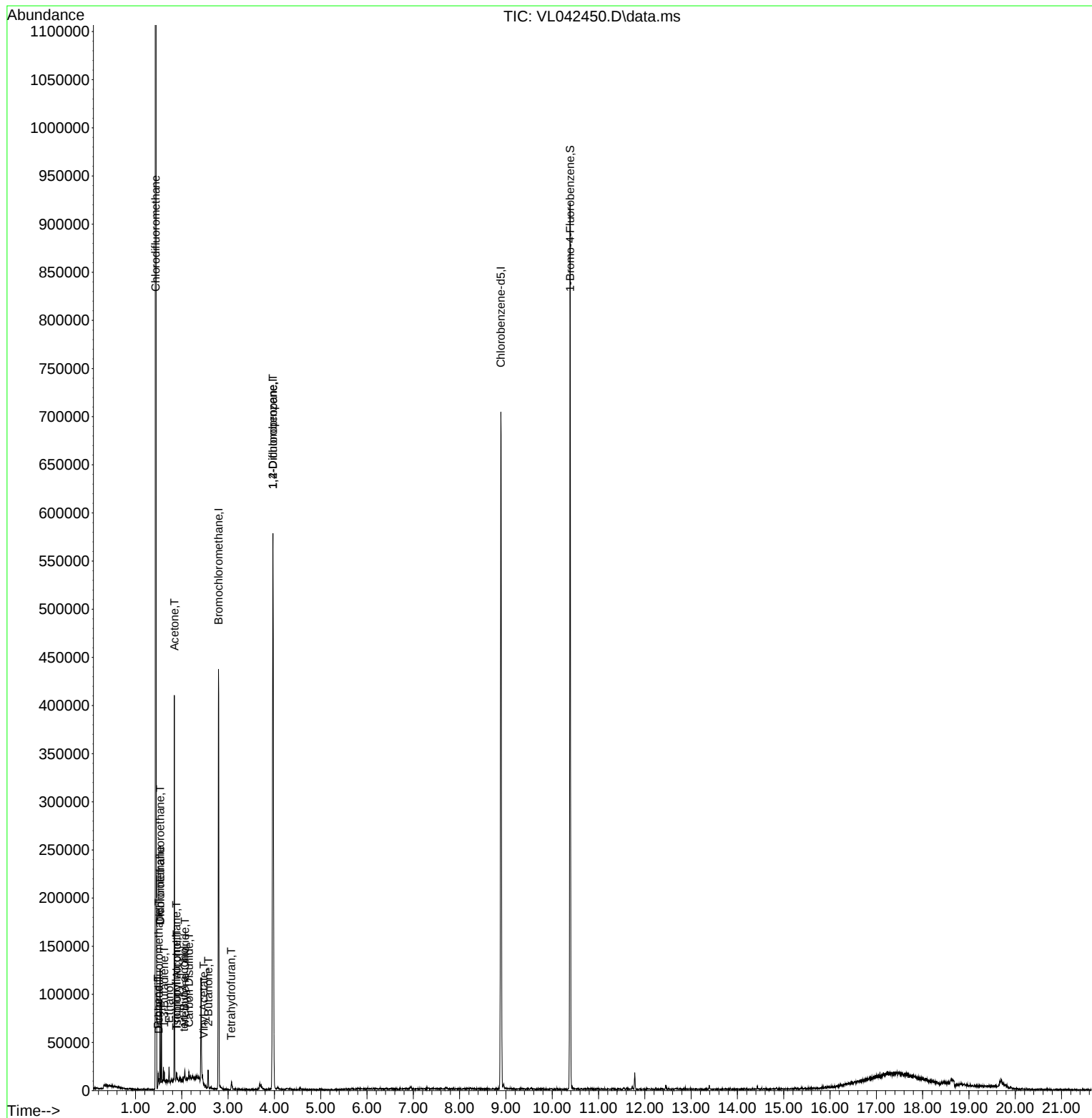
Internal Standards						
1) Bromochloromethane	2.794	49	113127	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	299787	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	249502	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	219145	10.689	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1232	0.062	ppbv	100
3) Chlorodifluoromethane	1.437	51	32387	1.702	ppbv #	57
4) Chloromethane	1.531	50	888	0.112	ppbv #	44
8) Dichlorotetrafluoroethane	1.531	85	3514	0.205	ppbv #	19
9) Propene	1.489	41	1638	0.189	ppbv	90
11) Trichlorofluoromethane	1.881	101	1346	0.071	ppbv #	82
13) Ethanol	1.726	45	5856	4.251	ppbv	76
15) Acetone	1.839	43	163492	8.828	ppbv	96
16) 1,3-Butadiene	1.622	39	703	0.079	ppbv #	9
17) tert-Butyl alcohol	2.049	59	1660	0.072	ppbv #	59
19) Isopropyl Alcohol	1.891	45	2411	0.234	ppbv #	1
20) Methylene Chloride	2.069	84	1454	0.200	ppbv #	70
23) Vinyl Acetate	2.476	43	725	0.097	ppbv #	82
27) Carbon Disulfide	2.156	76	3790	0.192	ppbv #	1
34) 2-Butanone	2.570	43	11098	0.468	ppbv	96
39) 1,2-Dichloropropane	3.969	63	86649	7.191	ppbv #	24
41) Tetrahydrofuran	3.066	42	466	0.034	ppbv #	35

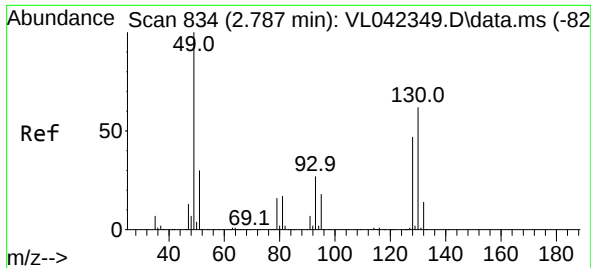
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
Data File : VL042450.D
Acq On : 29 Apr 2025 17:04
Operator : SY/MD
Sample : Q1880-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

Quant Time: Apr 30 01:23:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

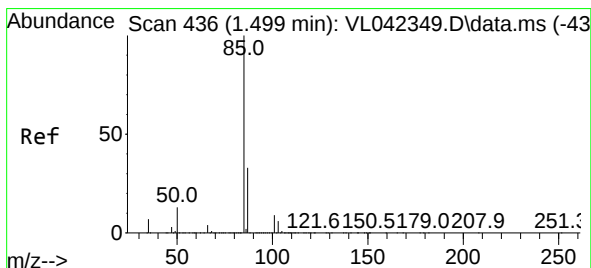
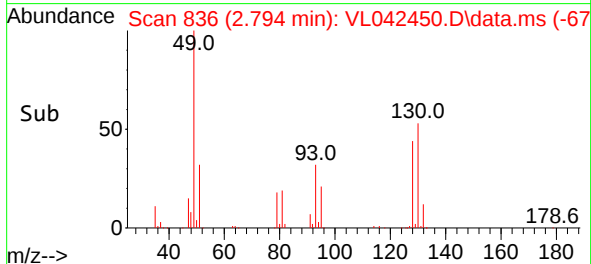
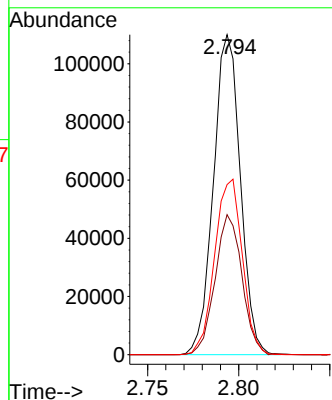
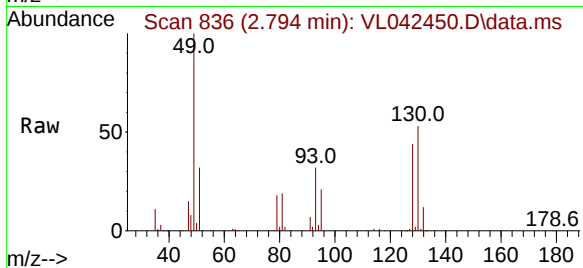




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

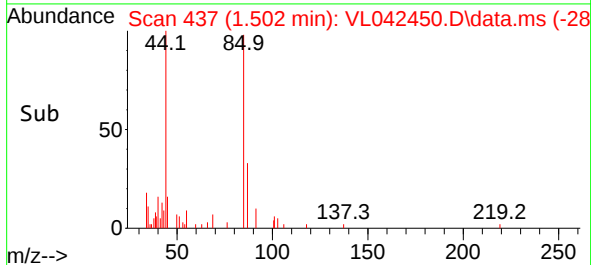
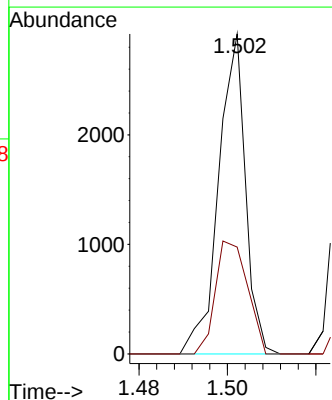
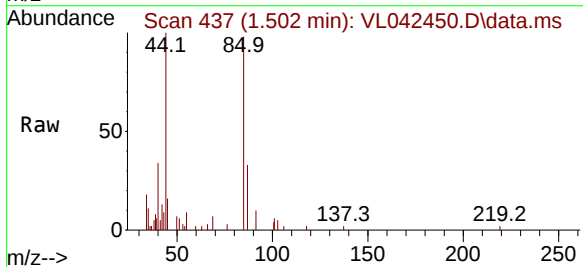
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

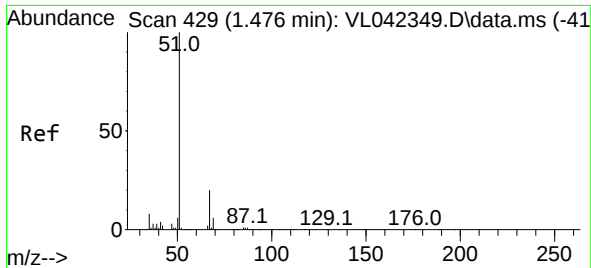
Tgt Ion: 49 Resp: 113127
Ion Ratio Lower Upper
49 100
128 43.8 22.8 68.4
130 56.4 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.062 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 85 Resp: 1232
Ion Ratio Lower Upper
85 100
87 33.4 26.6 39.8

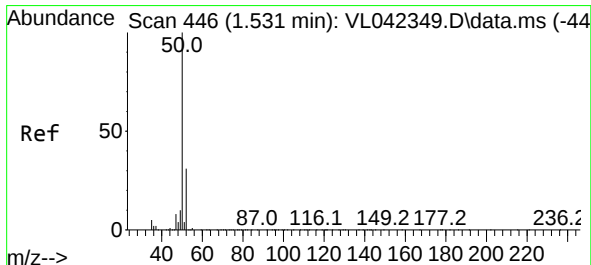
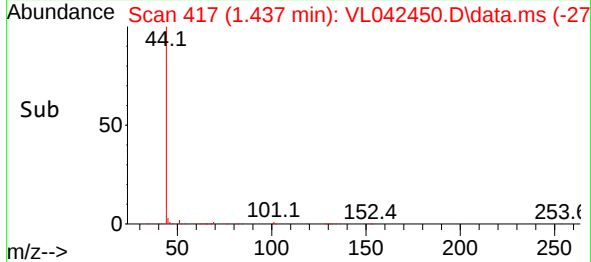
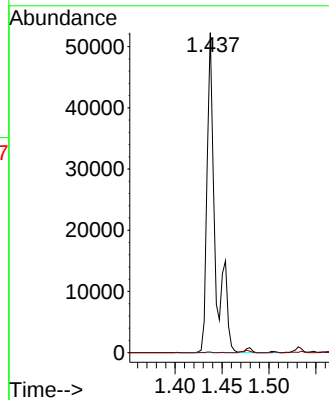
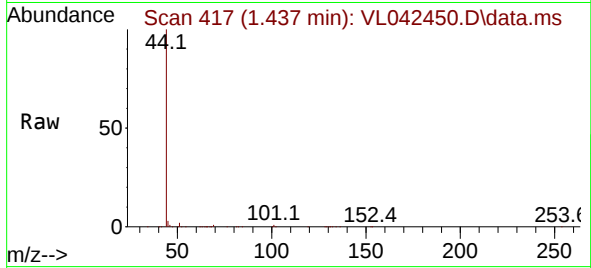




#3
Chlorodifluoromethane
Concen: 1.702 ppbv
RT: 1.437 min Scan# 417
Delta R.T. -0.039 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

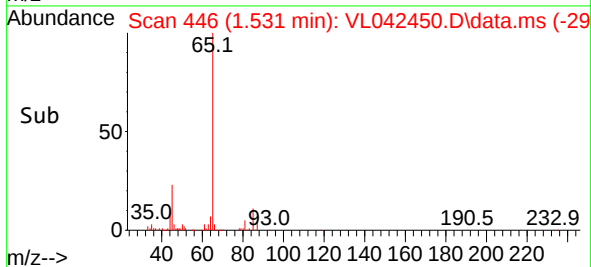
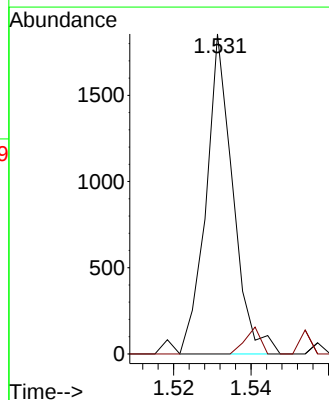
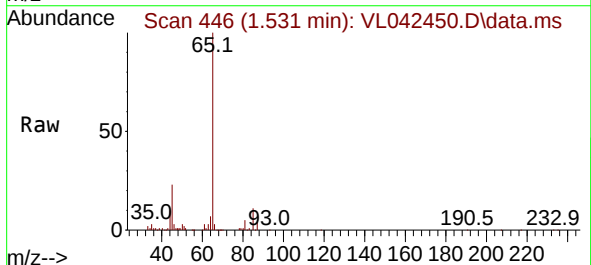
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

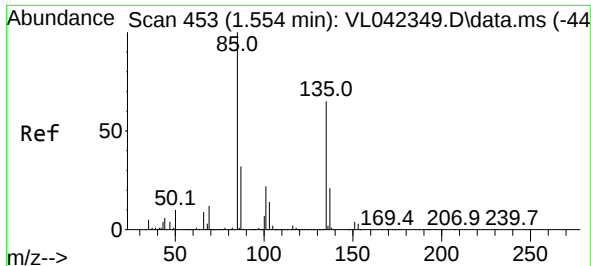
Tgt Ion: 51 Resp: 32387
Ion Ratio Lower Upper
51 100
67 0.2 16.2 24.4#



#4
Chloromethane
Concen: 0.112 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 50 Resp: 888
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

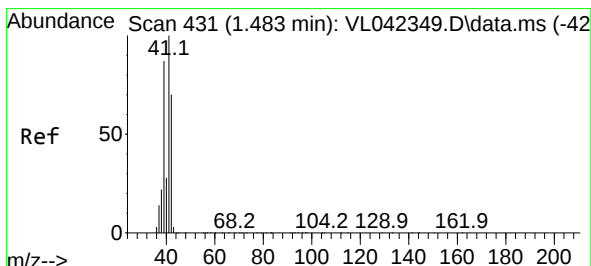
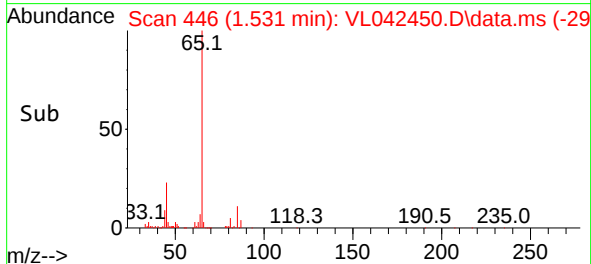
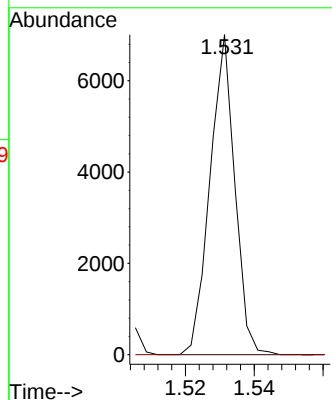
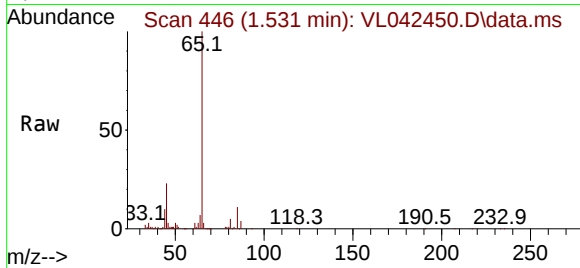




#8
 Dichlorotetrafluoroethane
 Concen: 0.205 ppbv
 RT: 1.531 min Scan# 446
 Delta R.T. -0.022 min
 Lab File: VL042450.D
 Acq: 29 Apr 2025 17:04

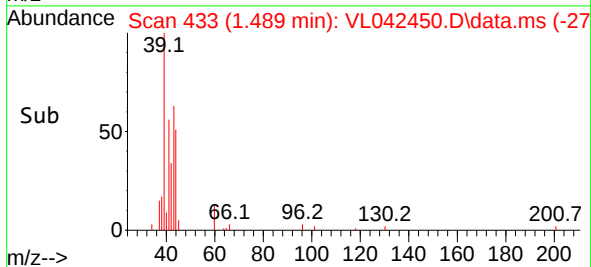
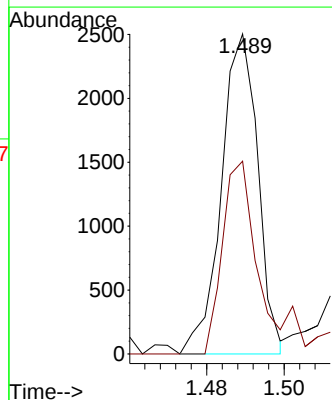
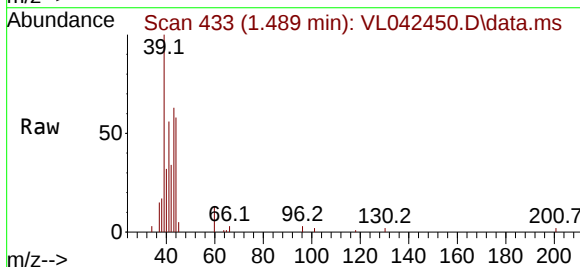
Instrument : MSVOA_1
 ClientSampleId : EBR-P11-SC-SS01-20250421DL

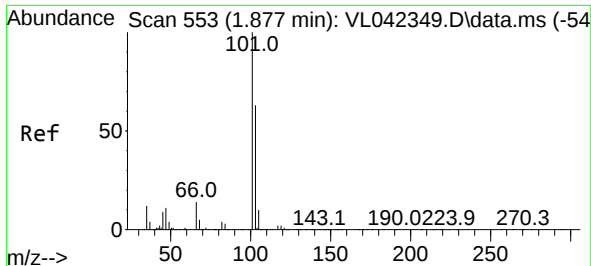
Tgt Ion: 85 Resp: 3514
 Ion Ratio Lower Upper
 85 100
 135 1.3 52.2 78.2#



#9
 Propene
 Concen: 0.189 ppbv
 RT: 1.489 min Scan# 433
 Delta R.T. 0.007 min
 Lab File: VL042450.D
 Acq: 29 Apr 2025 17:04

Tgt Ion: 41 Resp: 1638
 Ion Ratio Lower Upper
 41 100
 42 62.1 56.2 84.4

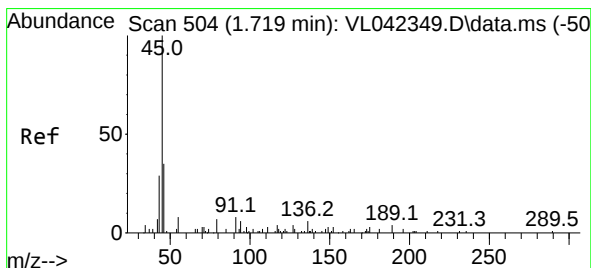
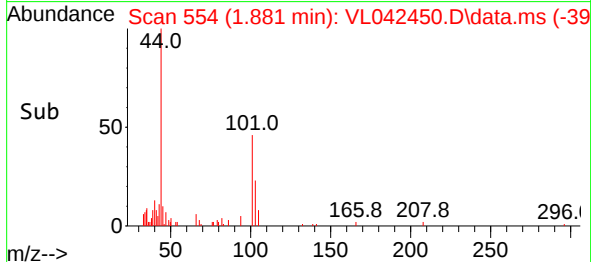
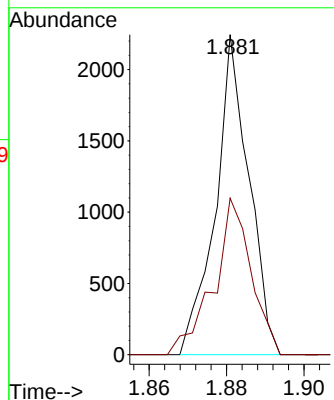
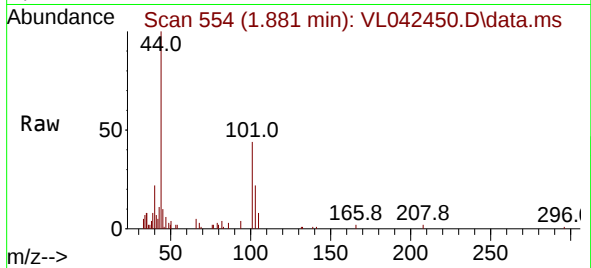




#11
 Trichlorofluoromethane
 Concen: 0.071 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042450.D
 Acq: 29 Apr 2025 17:04

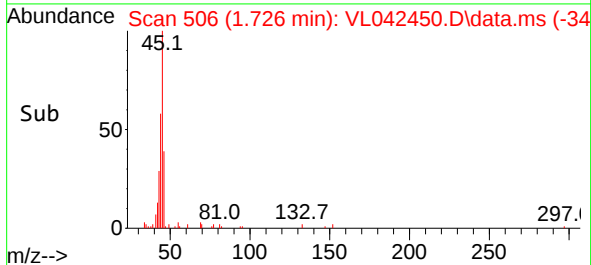
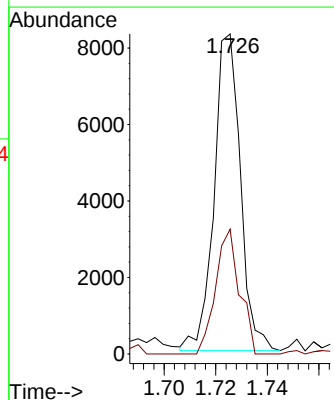
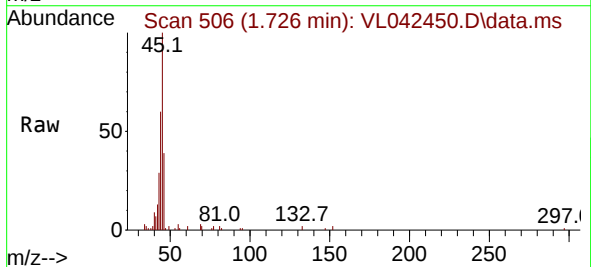
Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P11-SC-SS01-20250421DL

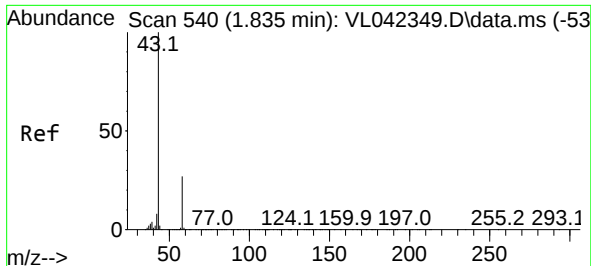
Tgt Ion:101 Resp: 1346
 Ion Ratio Lower Upper
 101 100
 103 48.9 50.1 75.1#



#13
 Ethanol
 Concen: 4.251 ppbv
 RT: 1.726 min Scan# 506
 Delta R.T. 0.007 min
 Lab File: VL042450.D
 Acq: 29 Apr 2025 17:04

Tgt Ion: 45 Resp: 5856
 Ion Ratio Lower Upper
 45 100
 46 37.2 21.9 87.7

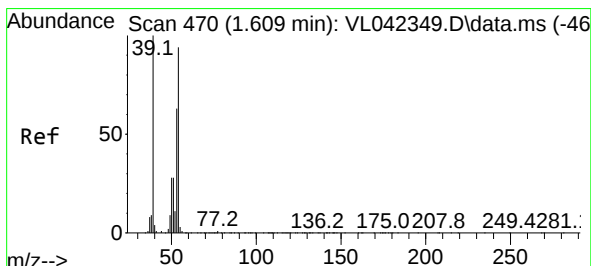
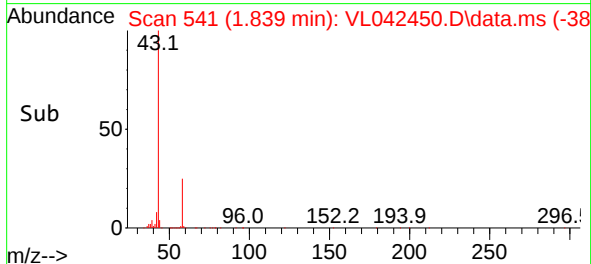
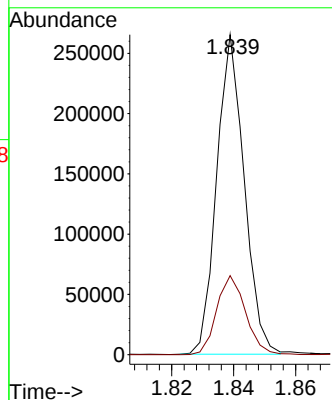
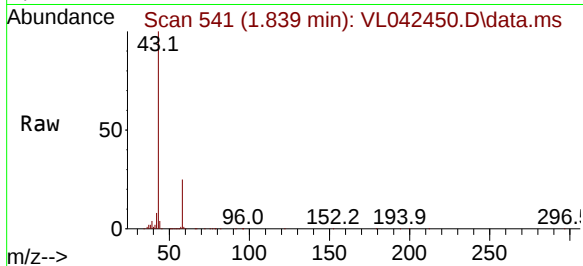




#15
Acetone
Concen: 8.828 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

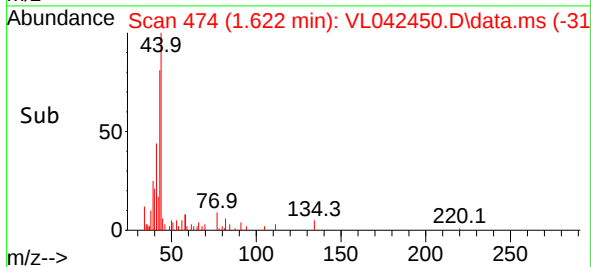
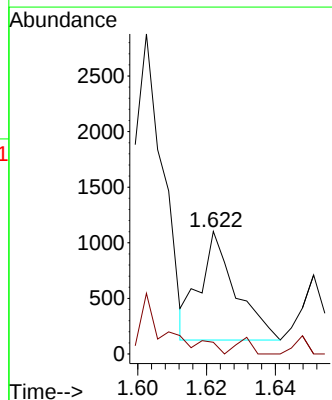
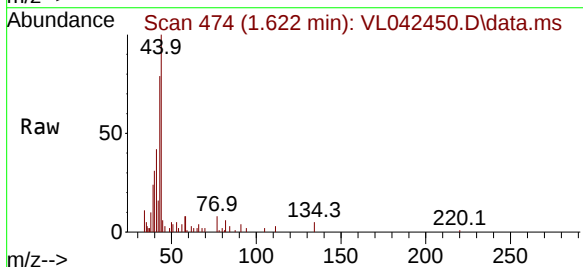
Instrument : MSVOA_L
ClientSampleId : EBR-P11-SC-SS01-20250421DL

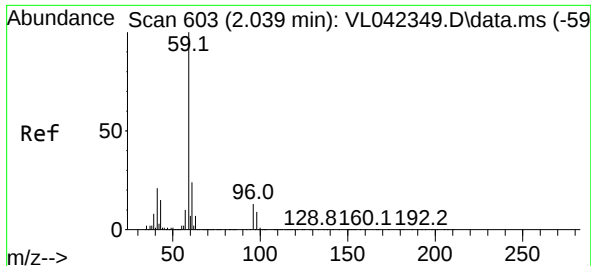
Tgt Ion: 43 Resp: 163492
Ion Ratio Lower Upper
43 100
58 26.0 22.4 33.6



#16
1,3-Butadiene
Concen: 0.079 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.013 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 39 Resp: 703
Ion Ratio Lower Upper
39 100
54 0.0 64.9 97.3#

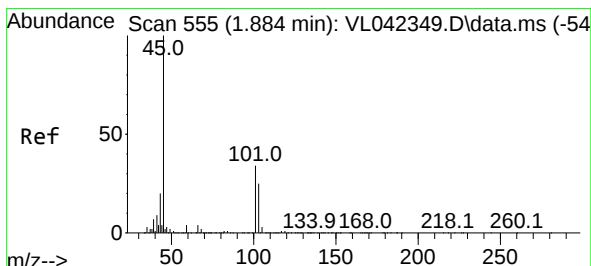
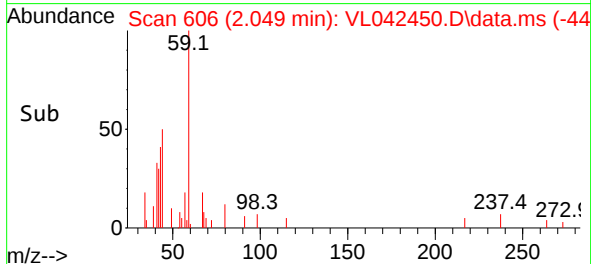
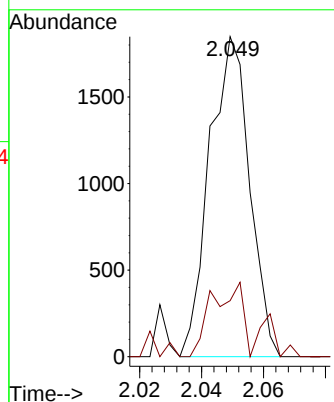
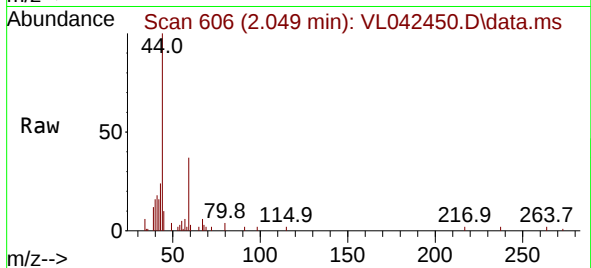




#17
tert-Butyl alcohol
Concen: 0.072 ppbv
RT: 2.049 min Scan# 603
Delta R.T. 0.010 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

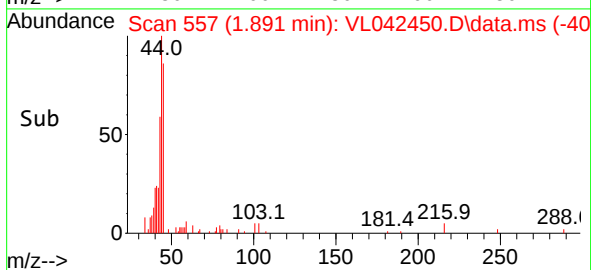
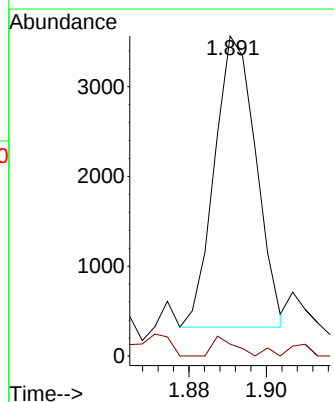
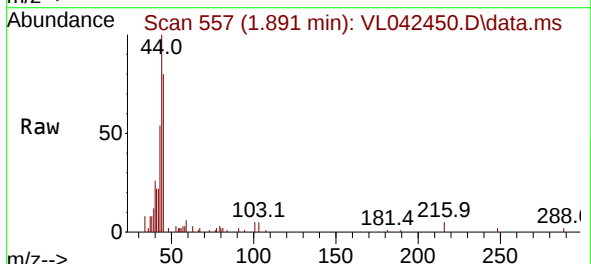
Instrument :
MSVOA_1
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

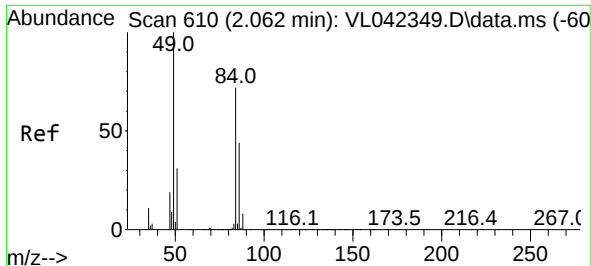
Tgt Ion: 59 Resp: 1660
Ion Ratio Lower Upper
59 100
57 26.3 8.7 13.1#



#19
Isopropyl Alcohol
Concen: 0.234 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.007 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 45 Resp: 2411
Ion Ratio Lower Upper
45 100
58 1763.1 34.5 51.7#





#20

Methylene Chloride

Concen: 0.200 ppbv

RT: 2.069 min Scan# 610

Delta R.T. 0.007 min

Lab File: VL042450.D

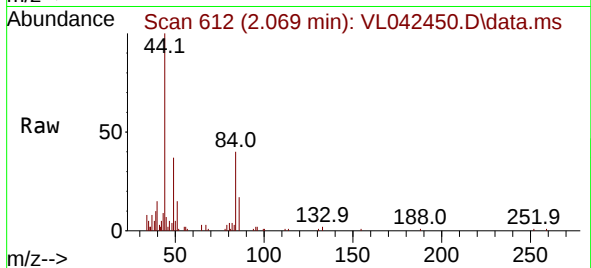
Acq: 29 Apr 2025 17:04

Instrument :

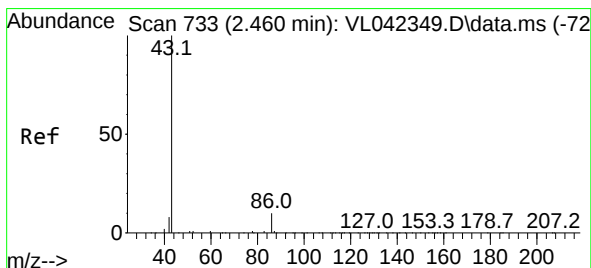
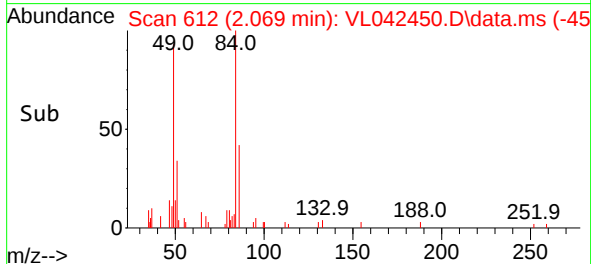
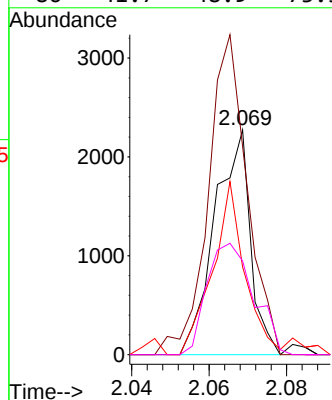
MSVOA_L

ClientSampleId :

EBR-P11-SC-SS01-20250421DL



Tgt Ion:	84	Resp:	1454
Ion	Ratio	Lower	Upper
84	100		
49	92.7	111.6	167.4#
51	39.0	35.1	52.7
86	41.7	48.9	73.3#



#23

Vinyl Acetate

Concen: 0.097 ppbv

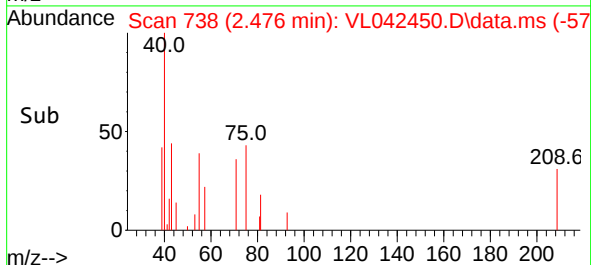
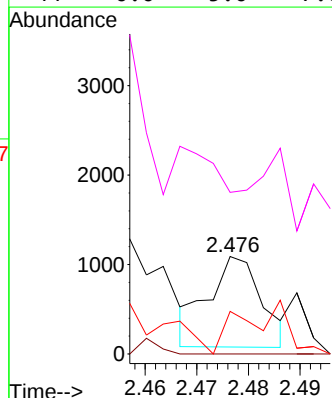
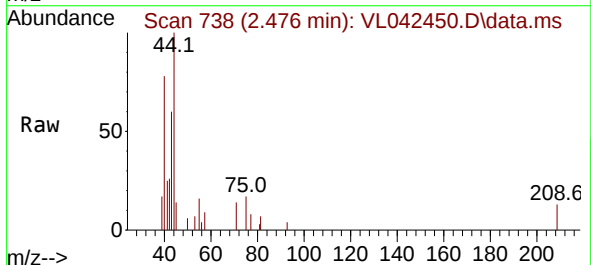
RT: 2.476 min Scan# 738

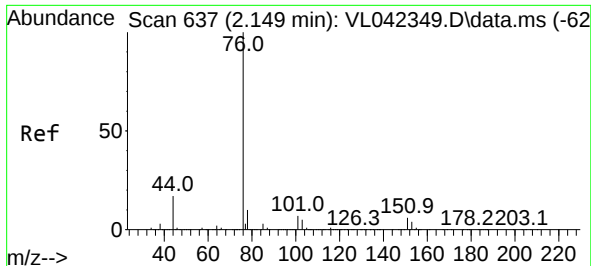
Delta R.T. 0.016 min

Lab File: VL042450.D

Acq: 29 Apr 2025 17:04

Tgt Ion:	43	Resp:	725
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.5	9.7#
42	15.2	7.8	11.8#
44	0.0	5.0	7.6#

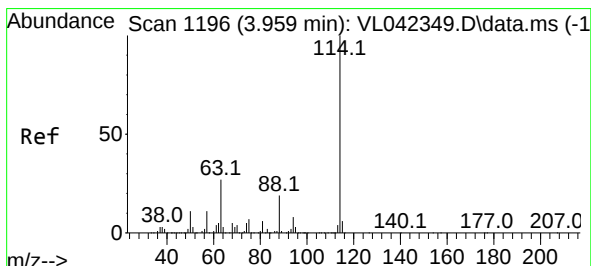
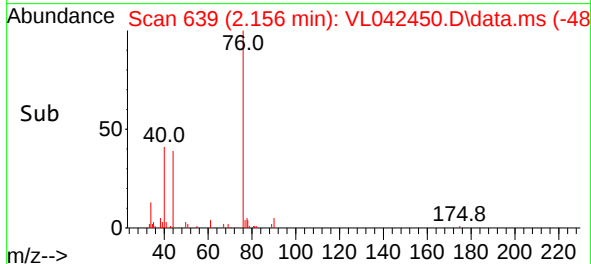
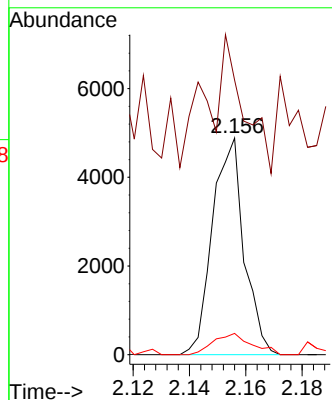
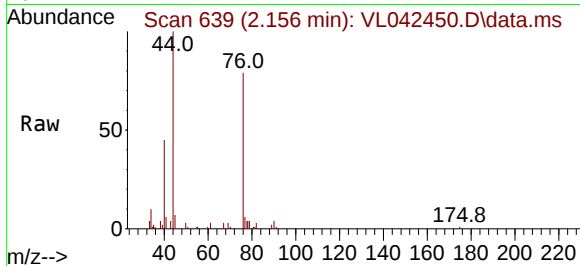




#27
Carbon Disulfide
Concen: 0.192 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

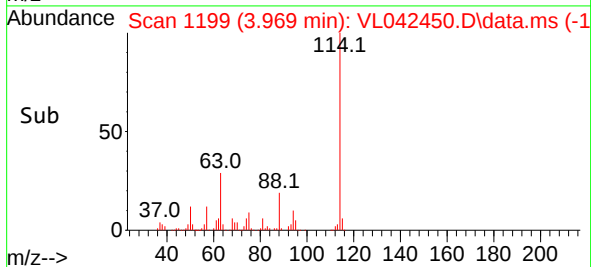
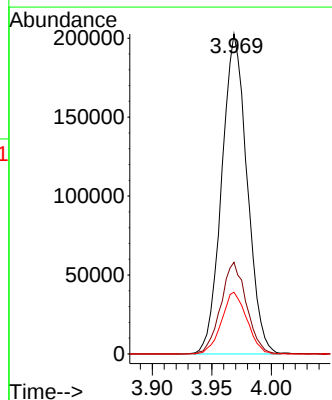
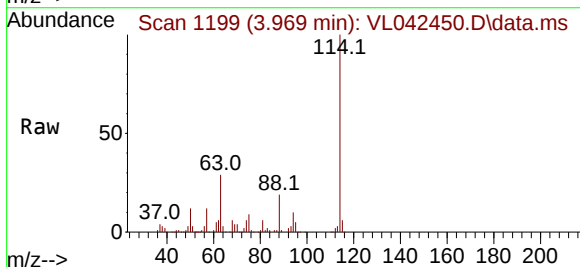
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

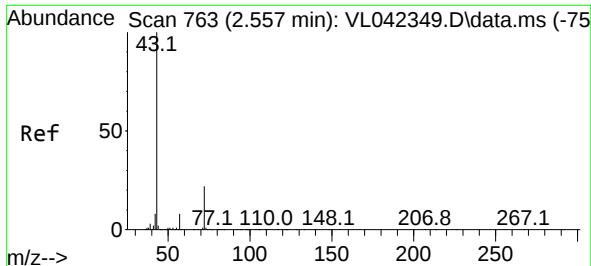
Tgt Ion: 76 Resp: 3790
Ion Ratio Lower Upper
76 100
44 235.8 15.5 23.3#
78 15.3 9.3 13.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. 0.010 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 114 Resp: 299787
Ion Ratio Lower Upper
114 100
63 29.0 21.8 32.6
88 19.3 15.5 23.3

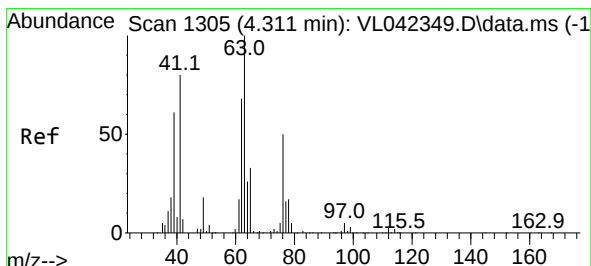
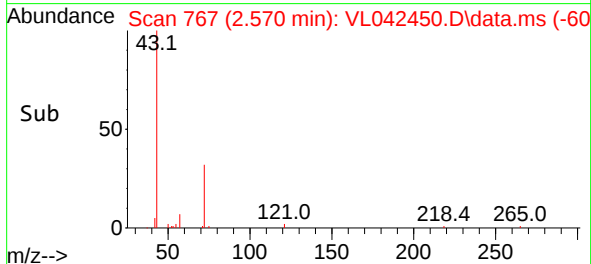
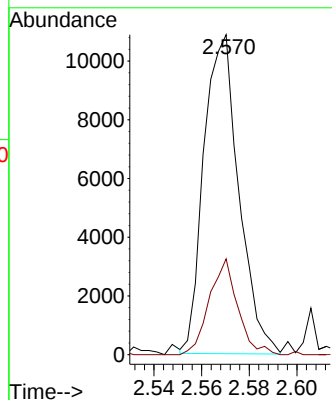
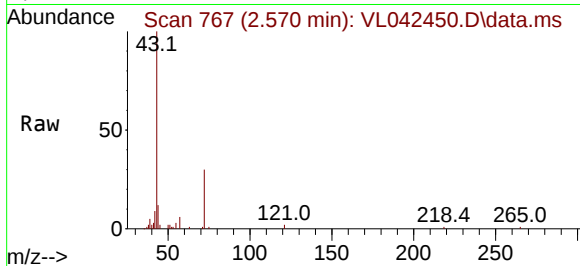




#34
2-Butanone
Concen: 0.468 ppbv
RT: 2.570 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

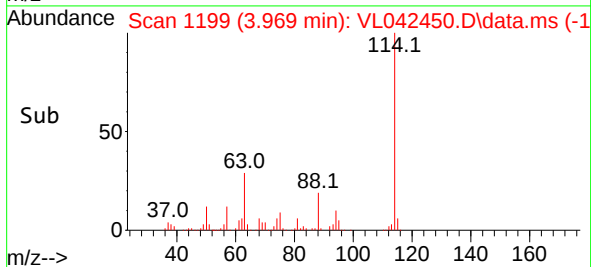
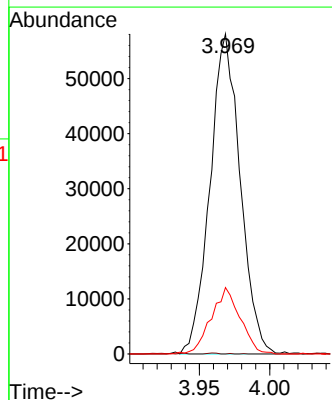
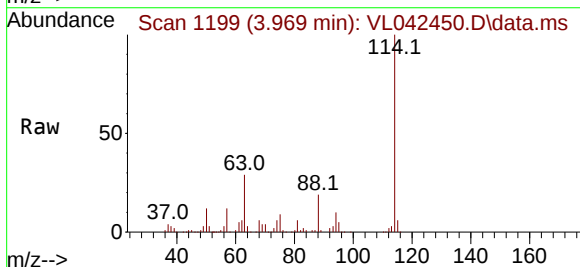
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

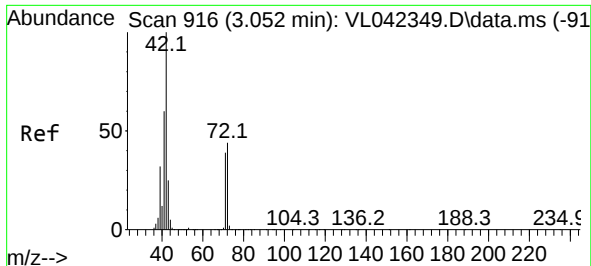
Tgt Ion: 43 Resp: 11098
Ion Ratio Lower Upper
43 100
72 24.6 18.2 27.2



#39
1,2-Dichloropropane
Concen: 7.191 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. -0.343 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 63 Resp: 86649
Ion Ratio Lower Upper
63 100
41 0.0 64.2 96.2#
62 20.5 54.3 81.5#

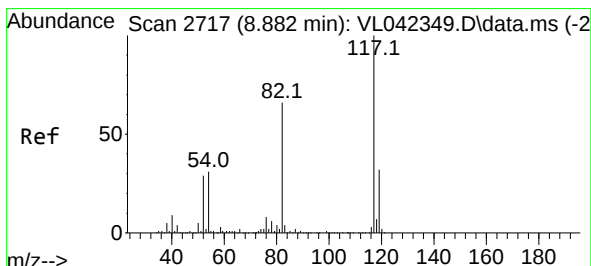
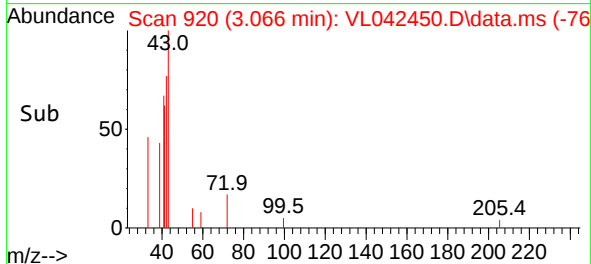
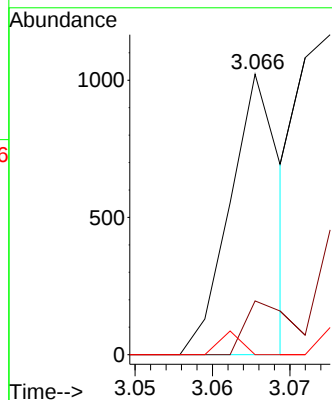
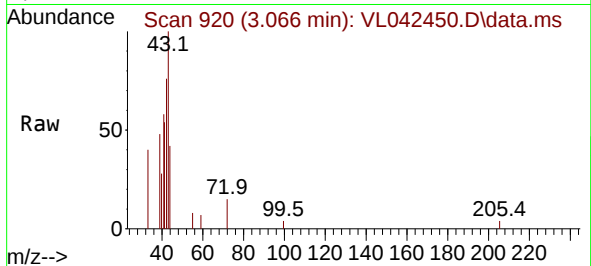




#41
Tetrahydrofuran
Concen: 0.034 ppbv
RT: 3.066 min Scan# 916
Delta R.T. 0.013 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

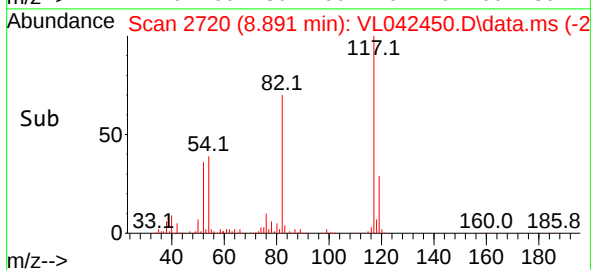
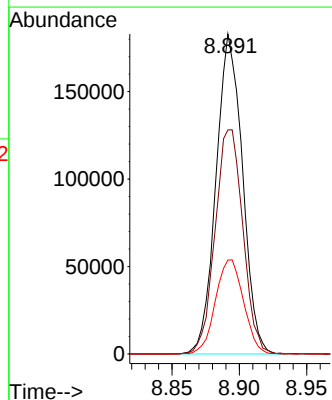
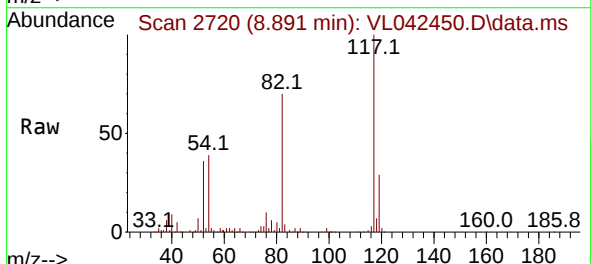
Instrument :
MSVOA_L
ClientSampleId :
EBR-P11-SC-SS01-20250421DL

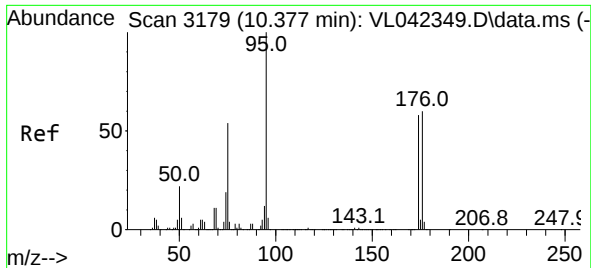
Tgt Ion: 42 Resp: 466
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 31.4 47.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.010 min
Lab File: VL042450.D
Acq: 29 Apr 2025 17:04

Tgt Ion: 117 Resp: 249502
Ion Ratio Lower Upper
117 100
82 73.9 57.8 86.6
119 31.3 25.2 37.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.689 ppbv
 RT: 10.387 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL042450.D
 Acq: 29 Apr 2025 17:04

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P11-SC-SS01-20250421DL

Tgt Ion: 95 Resp: 219145
 Ion Ratio Lower Upper
 95 100
 174 51.5 48.5 72.7
 175 3.9 3.7 5.5

