

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042442.D
 Acq On : 29 Apr 2025 12:33
 Operator : SY/MD
 Sample : Q1880-11DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P02-SC-SS01-20250423DL

Quant Time: Apr 30 01:19:33 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

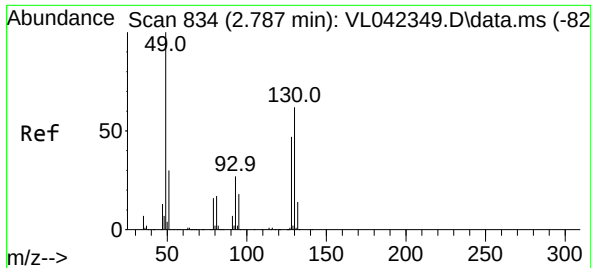
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.790	49	124102	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	328179	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	267319	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	233850	10.646	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 106.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1487	0.068	ppbv	91
3) Chlorodifluoromethane	1.479	51	884	0.042	ppbv	97
4) Chloromethane	1.534	50	621	0.072	ppbv #	44
6) Bromomethane	1.680	94	146	0.036	ppbv #	8
9) Propene	1.489	41	781	0.082	ppbv #	48
11) Trichlorofluoromethane	1.881	101	654	0.031	ppbv #	51
13) Ethanol	1.725	45	22020	14.570	ppbv	81
15) Acetone	1.839	43	16108	0.793	ppbv	93
16) 1,3-Butadiene	1.606	39	375	0.039	ppbv #	9
19) Isopropyl Alcohol	1.725	45	22020	1.951	ppbv #	60
20) Methylene Chloride	2.062	84	1359	0.171	ppbv #	87
23) Vinyl Acetate	2.454	43	699	0.085	ppbv #	1
30) Cyclohexane	3.855	84	825	0.050	ppbv #	1
39) 1,2-Dichloropropane	3.962	63	94421	7.158	ppbv #	23

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

Quant Time: Apr 30 01:19:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

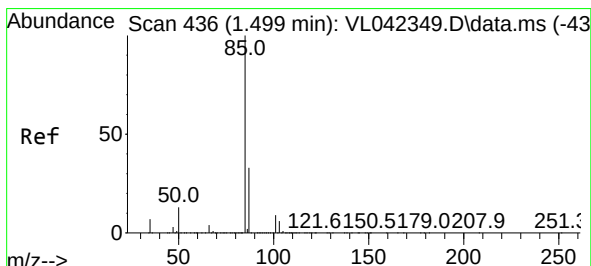
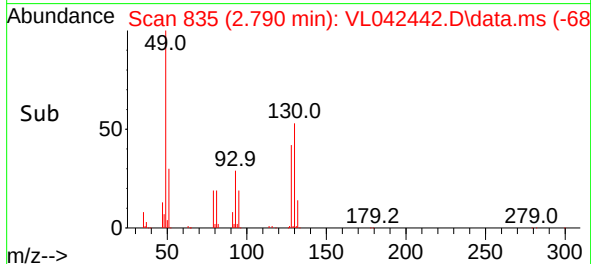
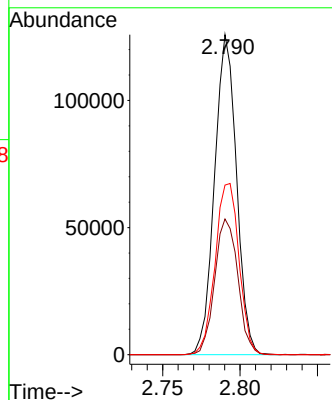
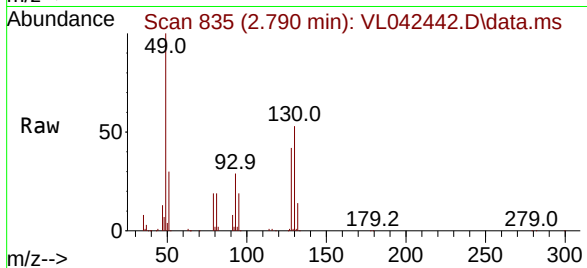




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

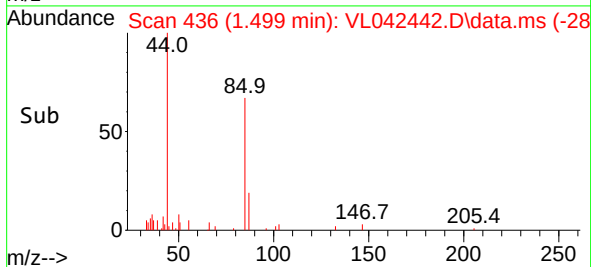
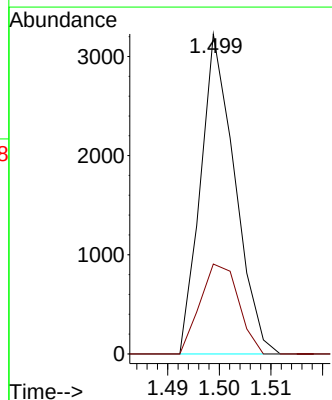
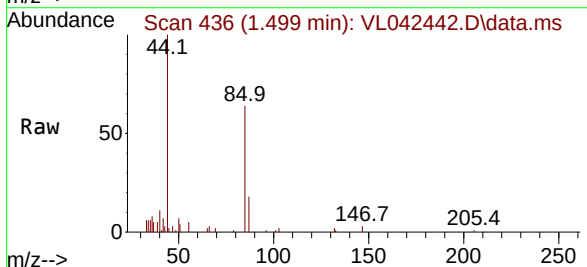
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423DL

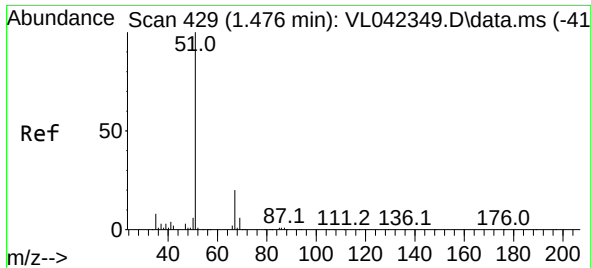
Tgt Ion: 49 Resp: 124102
Ion Ratio Lower Upper
49 100
128 44.7 22.8 68.4
130 58.3 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.068 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

Tgt Ion: 85 Resp: 1487
Ion Ratio Lower Upper
85 100
87 28.1 26.6 39.8

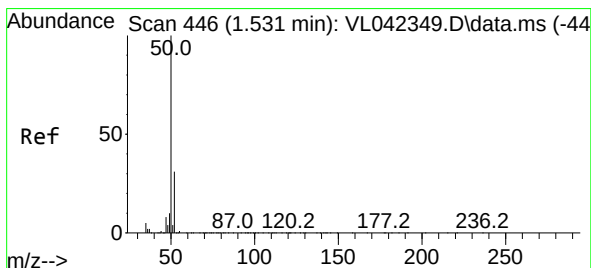
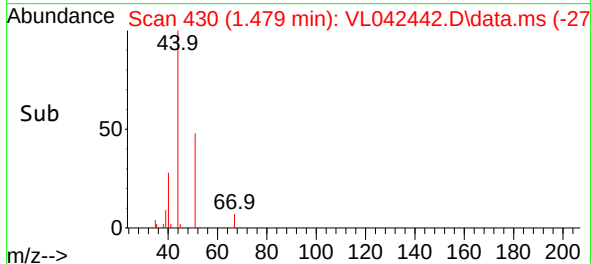
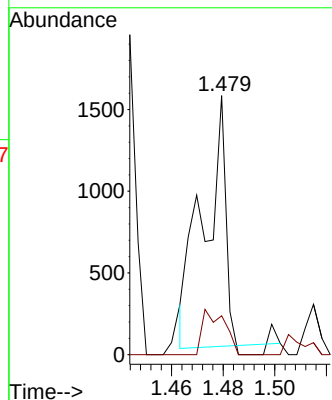
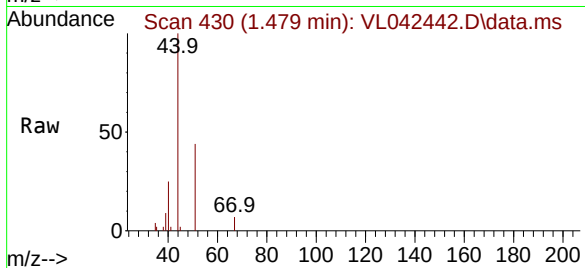




#3
Chlorodifluoromethane
Concen: 0.042 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

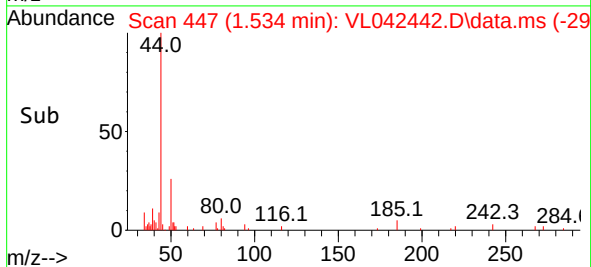
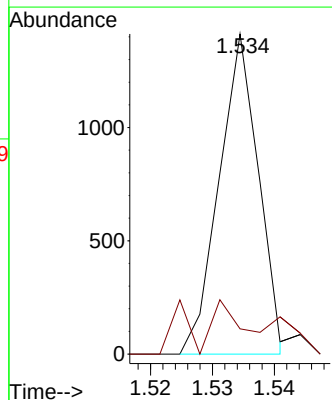
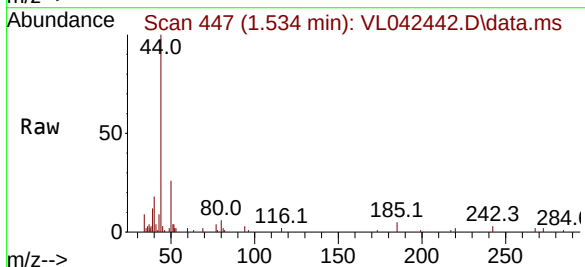
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423DL

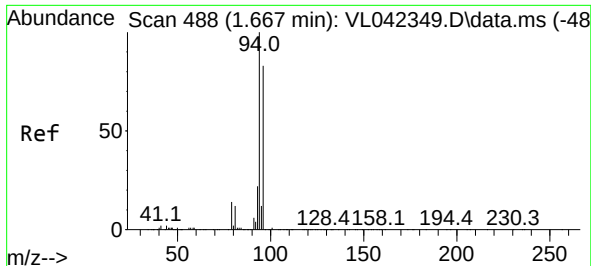
Tgt Ion: 51 Resp: 884
Ion Ratio Lower Upper
51 100
67 18.8 16.2 24.4



#4
Chloromethane
Concen: 0.072 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

Tgt Ion: 50 Resp: 621
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

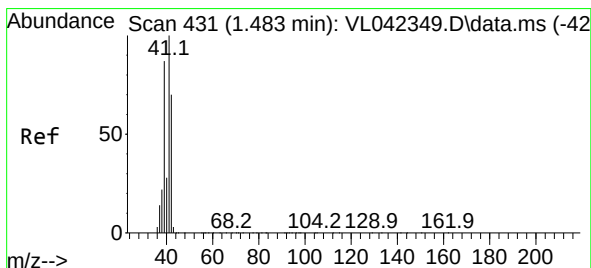
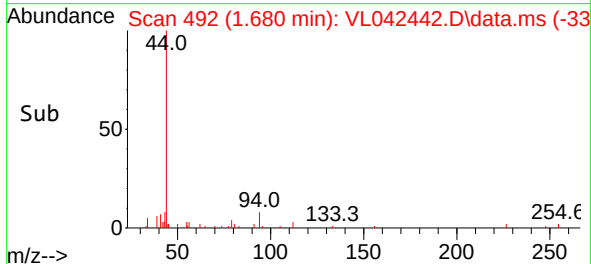
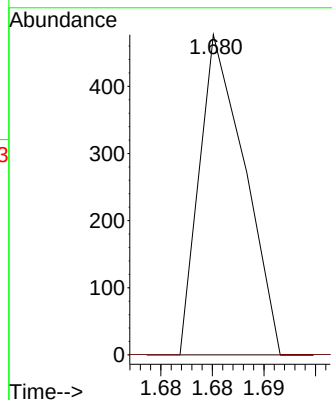
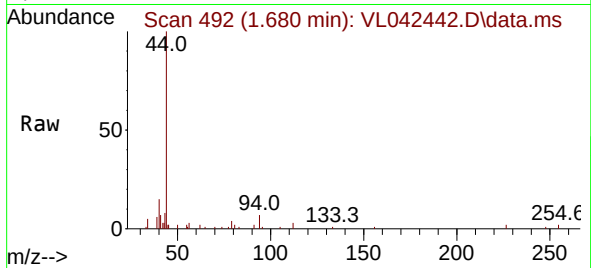




#6
Bromomethane
Concen: 0.036 ppbv
RT: 1.680 min Scan# 491
Delta R.T. 0.013 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

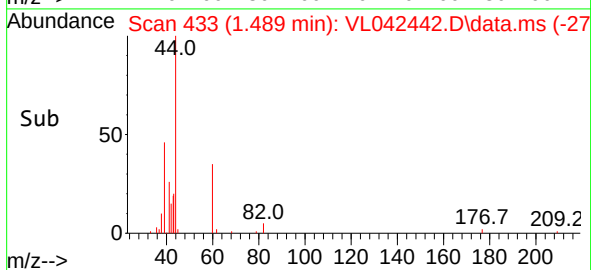
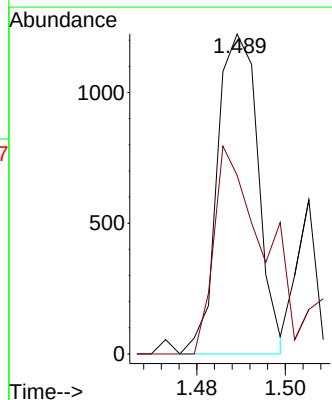
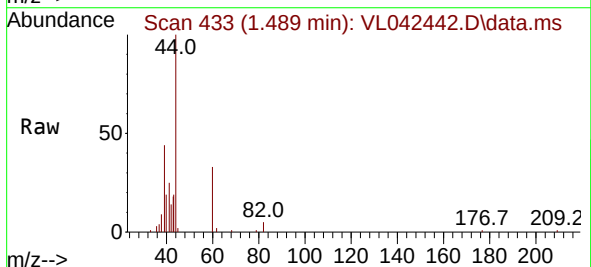
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423DL

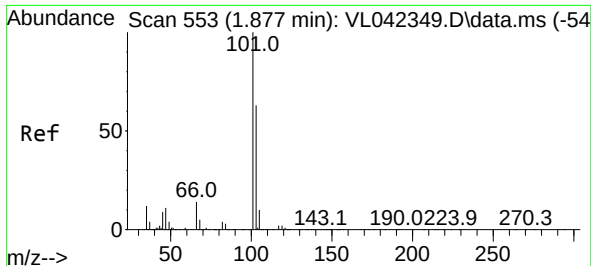
Tgt Ion: 94 Resp: 146
Ion Ratio Lower Upper
94 100
96 0.0 66.2 99.2#



#9
Propene
Concen: 0.082 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.007 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

Tgt Ion: 41 Resp: 781
Ion Ratio Lower Upper
41 100
42 113.4 56.2 84.4#

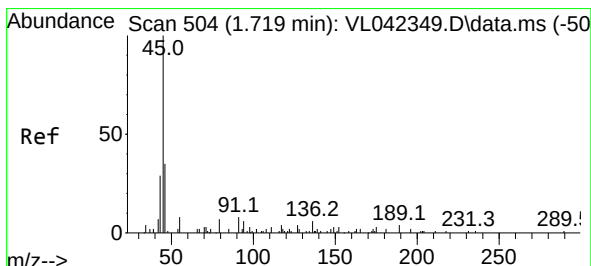
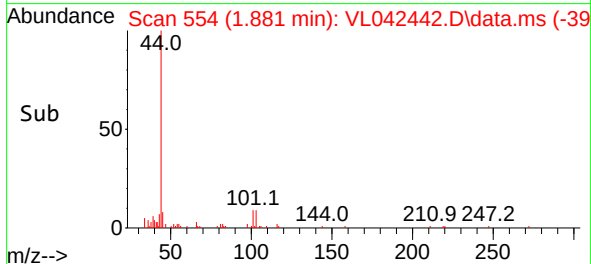
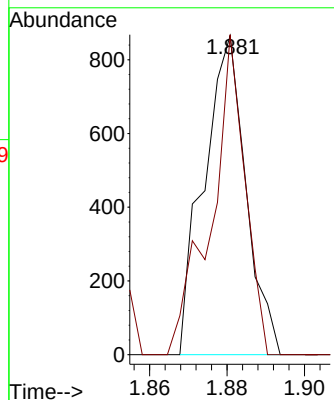
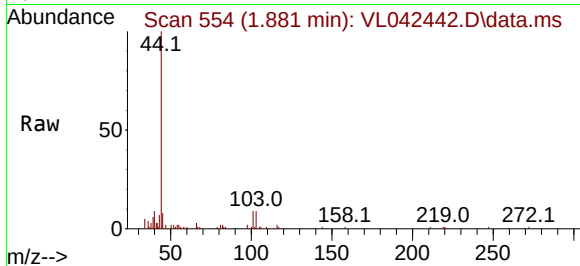




#11
Trichlorofluoromethane
Concen: 0.031 ppbv
RT: 1.881 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

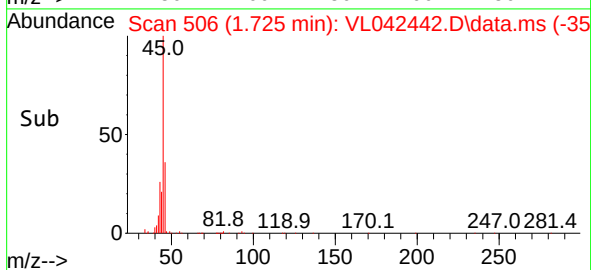
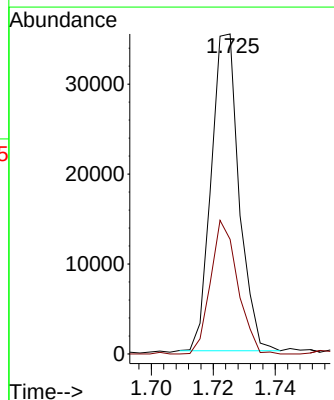
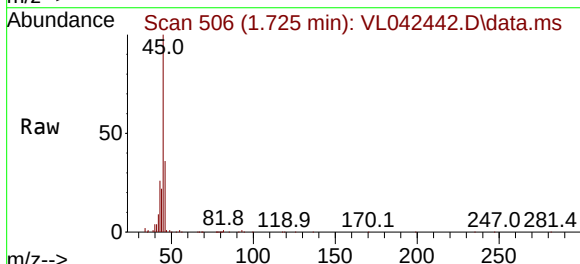
Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423DL

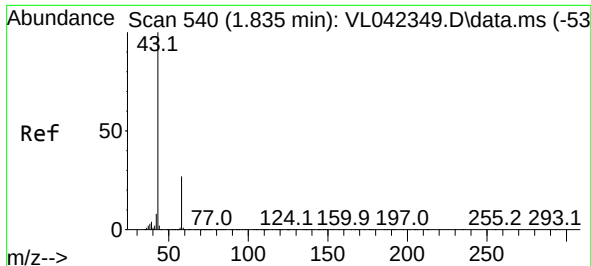
Tgt Ion:101 Resp: 654
Ion Ratio Lower Upper
101 100
103 100.3 50.1 75.1#



#13
Ethanol
Concen: 14.570 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.007 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

Tgt Ion: 45 Resp: 22020
Ion Ratio Lower Upper
45 100
46 41.1 21.9 87.7





#15

Acetone

Concen: 0.793 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042442.D

Acq: 29 Apr 2025 12:33

Instrument :

MSVOA_1

ClientSampleId :

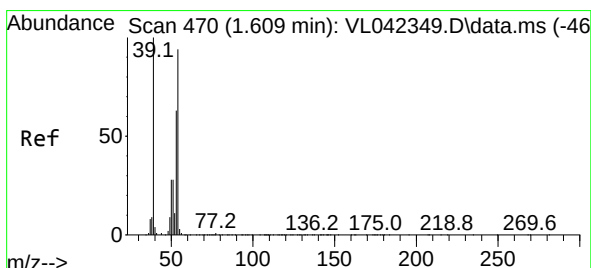
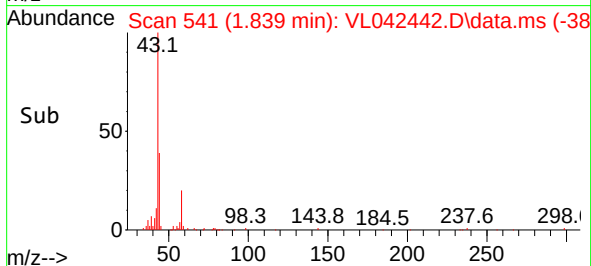
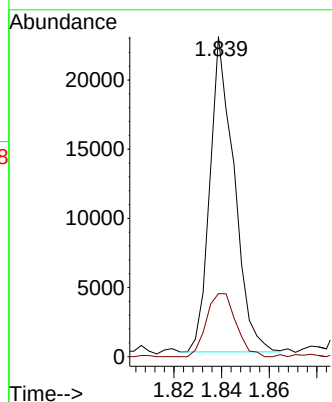
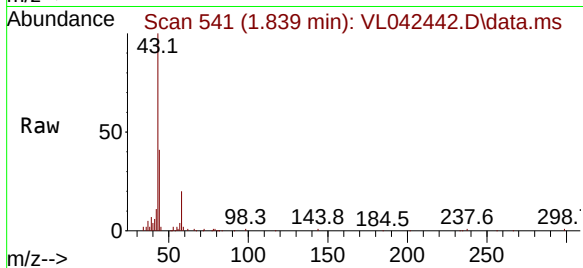
EBR-P02-SC-SS01-20250423DL

Tgt Ion: 43 Resp: 16108

Ion Ratio Lower Upper

43 100

58 24.3 22.4 33.6



#16

1,3-Butadiene

Concen: 0.039 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.003 min

Lab File: VL042442.D

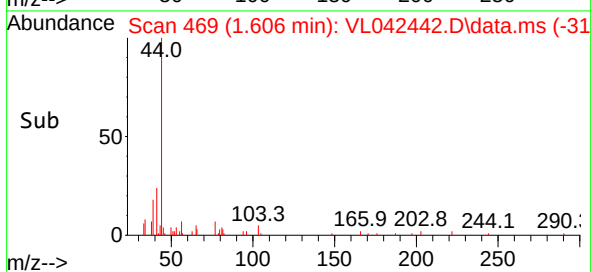
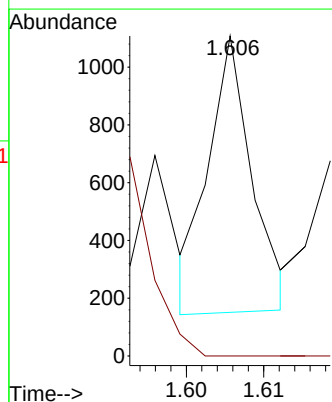
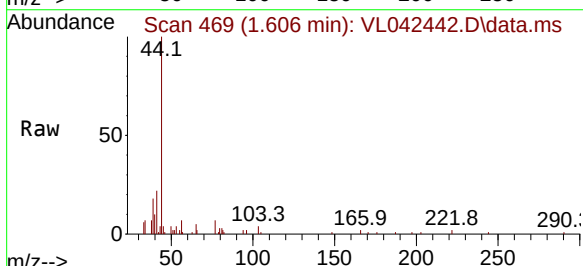
Acq: 29 Apr 2025 12:33

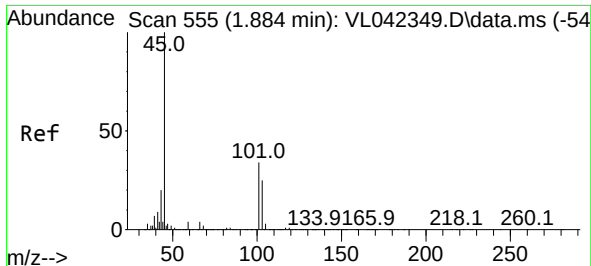
Tgt Ion: 39 Resp: 375

Ion Ratio Lower Upper

39 100

54 0.0 64.9 97.3#

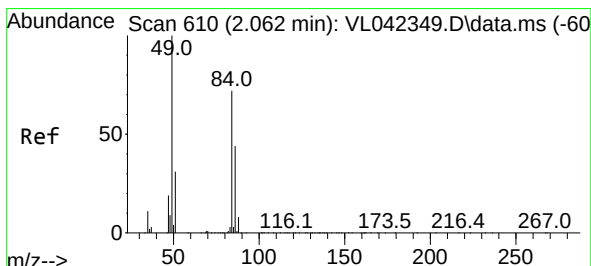
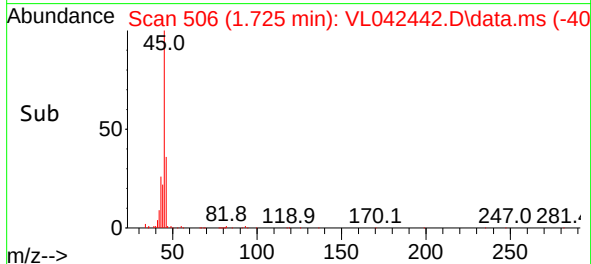
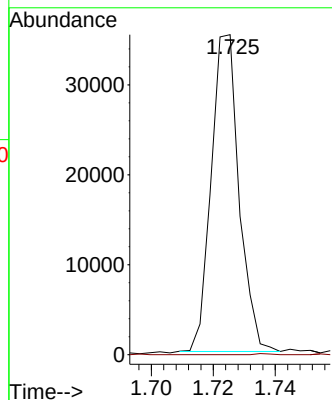
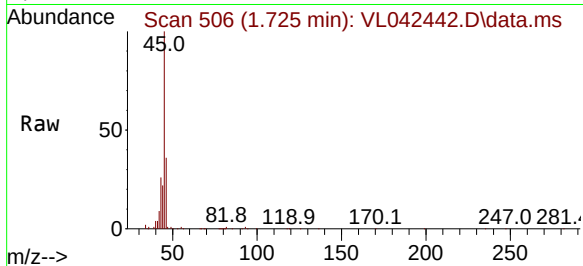




#19
Isopropyl Alcohol
Concen: 1.951 ppbv
RT: 1.725 min Scan# 50
Delta R.T. -0.159 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

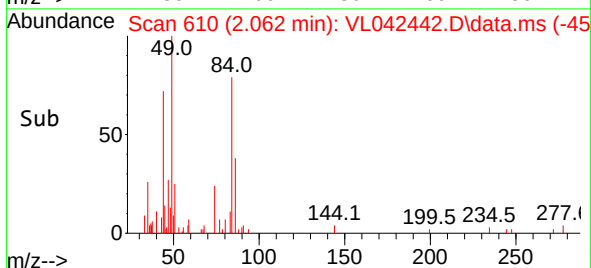
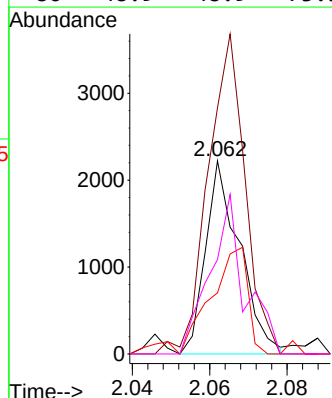
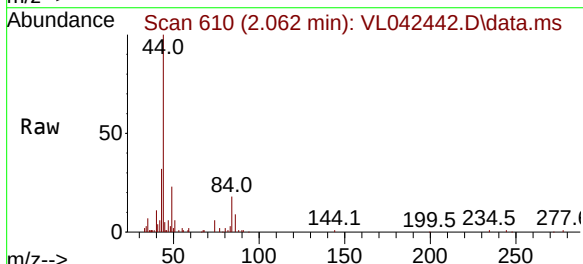
Instrument :
MSVOA_1
ClientSampleId :
EBR-P02-SC-SS01-20250423DL

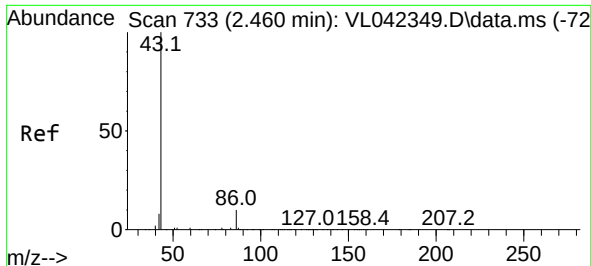
Tgt Ion: 45 Resp: 22020
Ion Ratio Lower Upper
45 100
58 17.8 34.5 51.7#



#20
Methylene Chloride
Concen: 0.171 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

Tgt Ion: 84 Resp: 1359
Ion Ratio Lower Upper
84 100
49 127.4 111.6 167.4
51 31.6 35.1 52.7#
86 48.9 48.9 73.3#

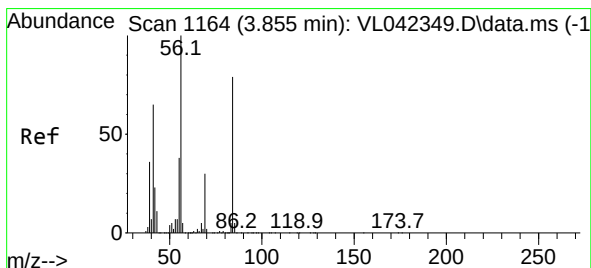
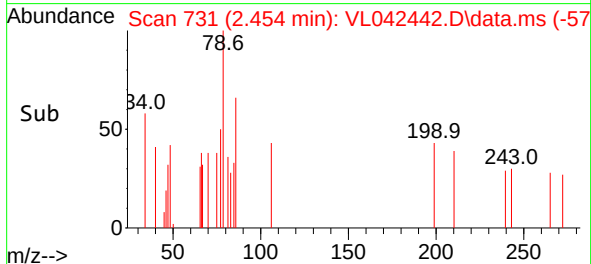
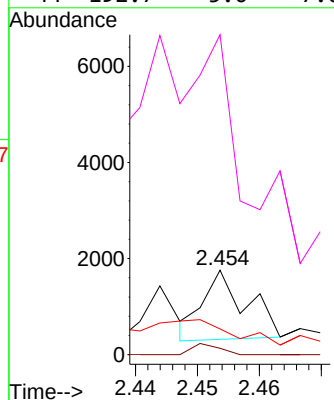
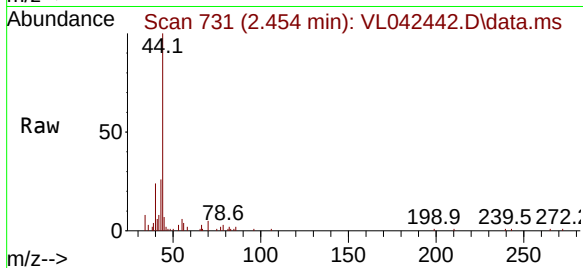




#23
 Vinyl Acetate
 Concen: 0.085 ppbv
 RT: 2.454 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VL042442.D
 Acq: 29 Apr 2025 12:33

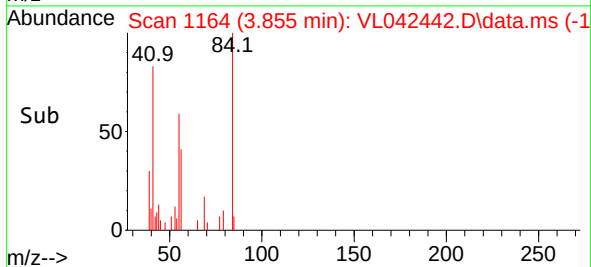
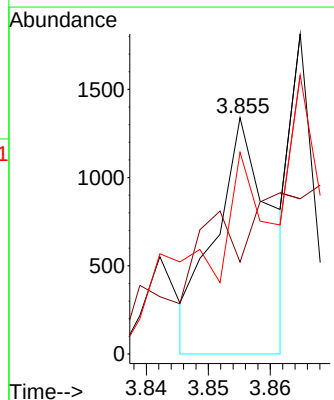
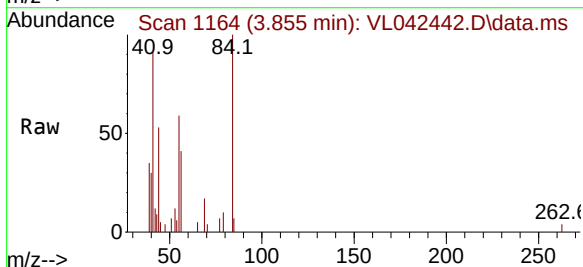
Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P02-SC-SS01-20250423DL

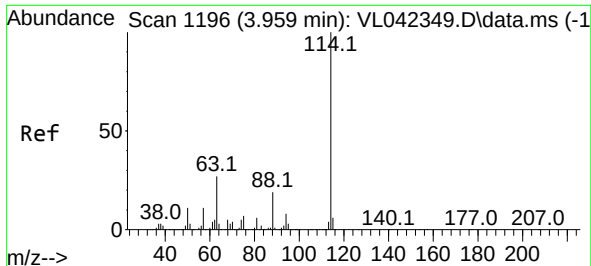
Tgt Ion:	43	Resp:	699
Ion	Ratio	Lower	Upper
43	100		
86	9.6	6.5	9.7
42	24.2	7.8	11.8#
44	192.7	5.0	7.6#



#30
 Cyclohexane
 Concen: 0.050 ppbv
 RT: 3.855 min Scan# 1164
 Delta R.T. 0.000 min
 Lab File: VL042442.D
 Acq: 29 Apr 2025 12:33

Tgt Ion:	84	Resp:	825
Ion	Ratio	Lower	Upper
84	100		
56	0.0	101.0	151.4#
41	0.0	67.4	101.0#

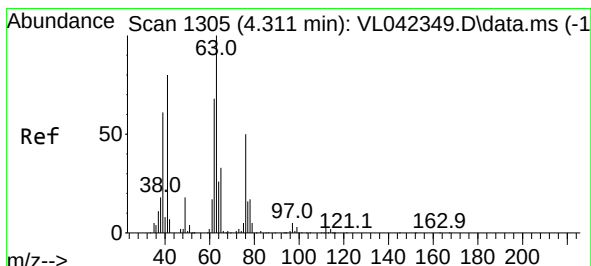
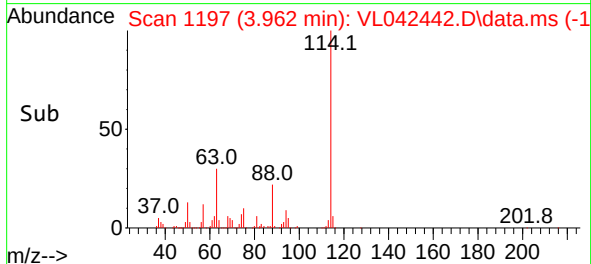
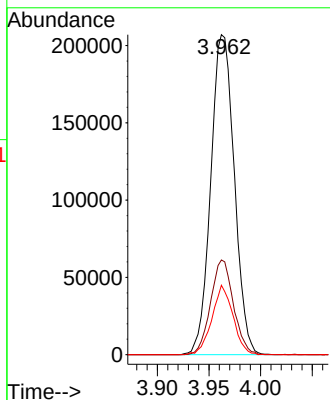
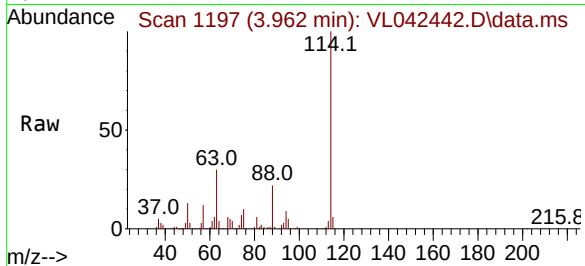




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.003 min
 Lab File: VL042442.D
 Acq: 29 Apr 2025 12:33

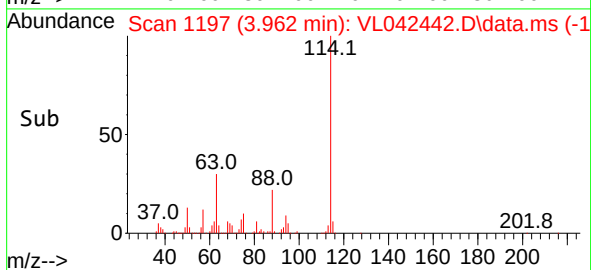
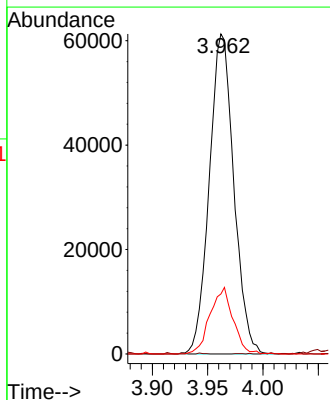
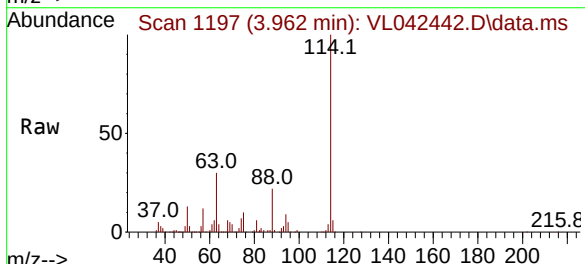
Instrument : MSVOA_L
 ClientSampleId : EBR-P02-SC-SS01-20250423DL

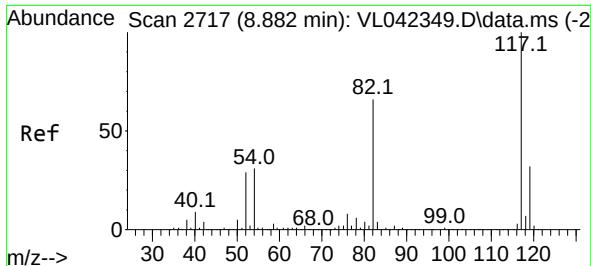
Tgt Ion: 114 Resp: 328179
 Ion Ratio Lower Upper
 114 100
 63 28.8 21.8 32.6
 88 19.5 15.5 23.3



#39
 1,2-Dichloropropane
 Concen: 7.158 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.349 min
 Lab File: VL042442.D
 Acq: 29 Apr 2025 12:33

Tgt Ion: 63 Resp: 94421
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.2 96.2#
 62 18.8 54.3 81.5#

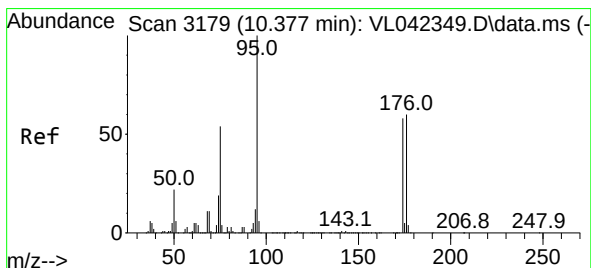
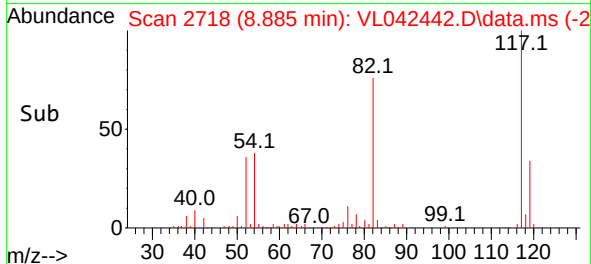
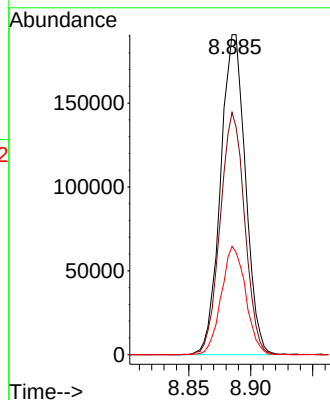
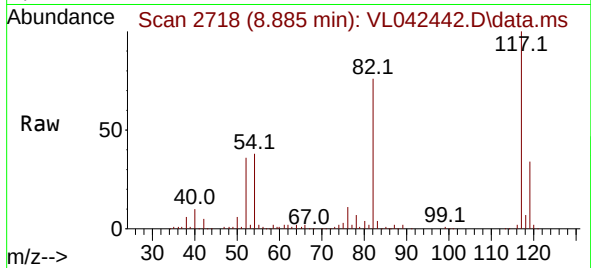




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

Instrument :
MSVOA_L
ClientSampleId :
EBR-P02-SC-SS01-20250423DL

Tgt Ion:117 Resp: 267319
Ion Ratio Lower Upper
117 100
82 74.6 57.8 86.6
119 33.1 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.646 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042442.D
Acq: 29 Apr 2025 12:33

Tgt Ion: 95 Resp: 233850
Ion Ratio Lower Upper
95 100
174 51.5 48.5 72.7
175 3.6 3.7 5.5

