

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042427.D
 Acq On : 28 Apr 2025 15:42
 Operator : SY/MD
 Sample : Q1880-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P08-SC-IA01-20250421

Quant Time: Apr 29 01:39:04 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

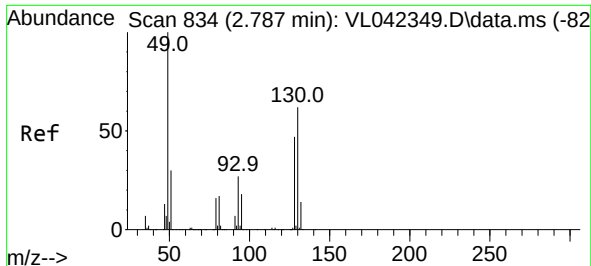
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.781	49	130965	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	364997	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	315370	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	268747	10.370	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	11358	0.491	ppbv	91
3) Chlorodifluoromethane	1.473	51	18543	0.842	ppbv #	79
4) Chloromethane	1.528	50	4924	0.538	ppbv #	84
9) Propene	1.619	41	3240	0.323	ppbv	94
10) Heptane	4.969	43	1973	0.070	ppbv #	61
11) Trichlorofluoromethane	1.874	101	6480	0.294	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.133	101	750	0.042	ppbv #	5
13) Ethanol	1.719	45	192490	120.690	ppbv	76
15) Acetone	1.832	43	74168	3.459	ppbv	97
16) 1,3-Butadiene	1.596	39	1187	0.116	ppbv #	46
17) tert-Butyl alcohol	2.039	59	2195	0.083	ppbv #	61
19) Isopropyl Alcohol	1.900	45	22820	1.916	ppbv #	33
20) Methylene Chloride	2.059	84	3423	0.408	ppbv #	87
23) Vinyl Acetate	2.450	43	7160	0.825	ppbv #	76
25) Ethyl Acetate	2.826	43	7204	0.136	ppbv #	91
26) Hexane	2.816	57	6844	0.320	ppbv #	42
27) Carbon Disulfide	2.146	76	789	0.034	ppbv #	1
34) 2-Butanone	2.557	43	9033	0.313	ppbv	96
36) Benzene	3.648	78	2344	0.060	ppbv #	93
39) 1,2-Dichloropropane	3.949	63	101903	6.946	ppbv #	21
53) Toluene	6.920	91	9391	0.199	ppbv	91
60) o-Xylene	9.956	91	2969	0.059	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	3903	0.061	ppbv #	72
79) Naphthalene	13.513	128	4122	0.054	ppbv #	81

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

Quant Time: Apr 29 01:39:04 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

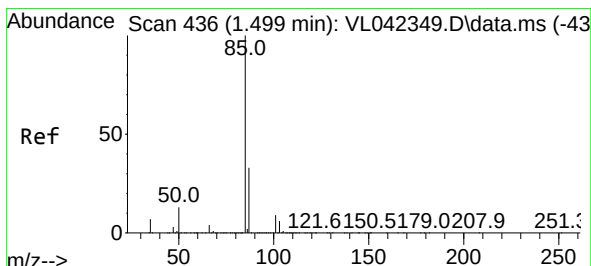
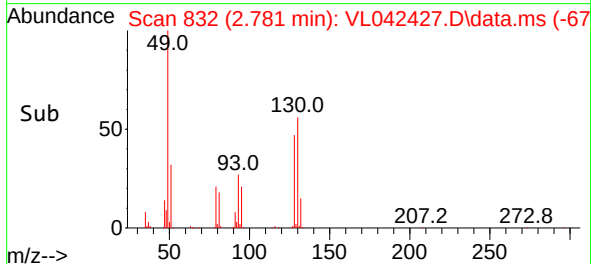
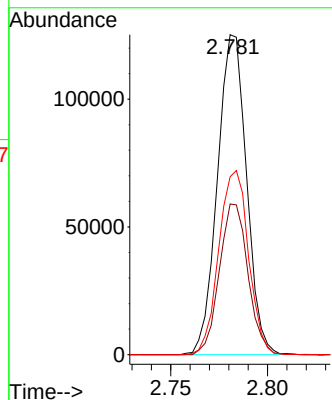
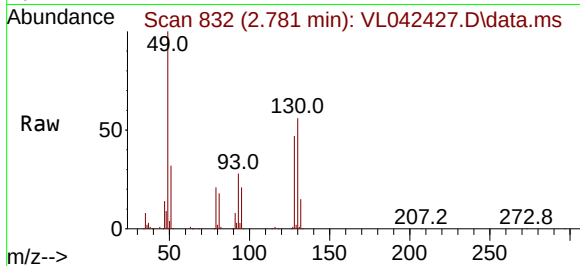




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

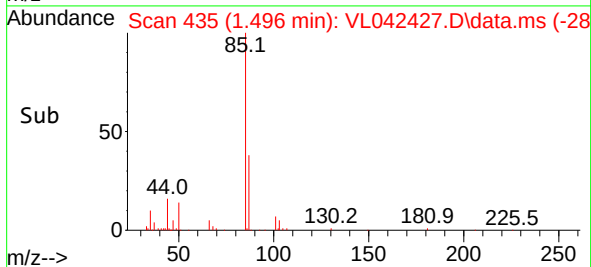
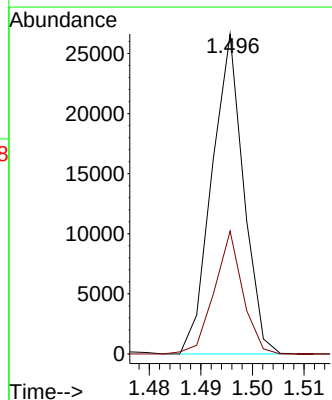
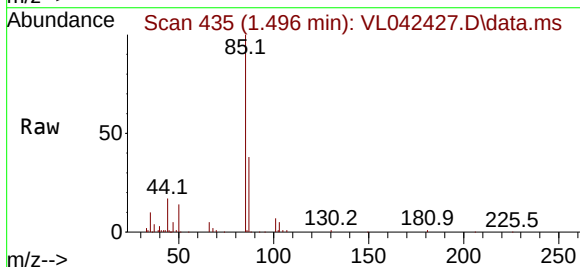
Instrument :
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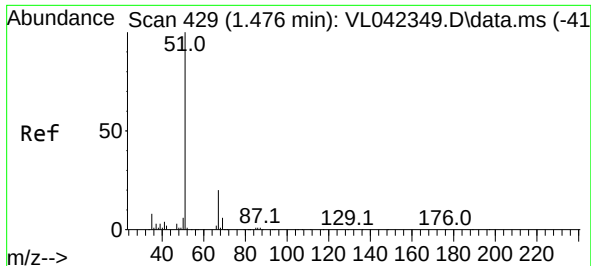
Tgt Ion: 49 Resp: 130965
Ion Ratio Lower Upper
49 100
128 46.4 22.8 68.4
130 58.8 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 0.491 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 85 Resp: 11358
Ion Ratio Lower Upper
85 100
87 38.4 26.6 39.8

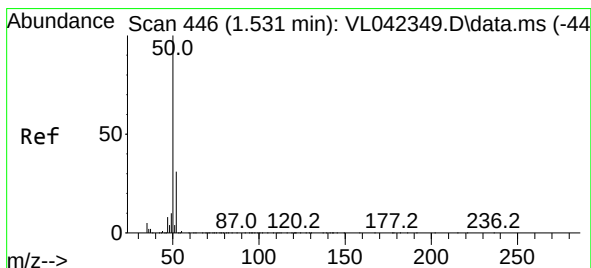
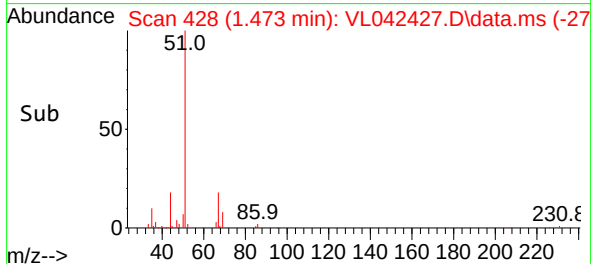
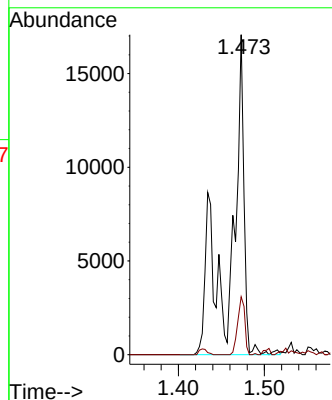
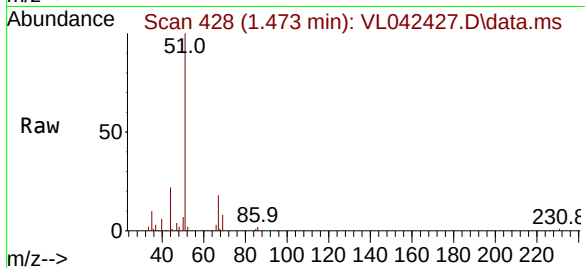




#3
Chlorodifluoromethane
Concen: 0.842 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

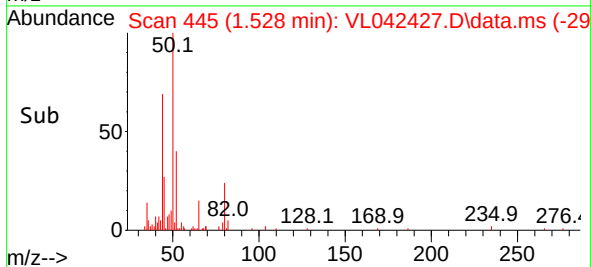
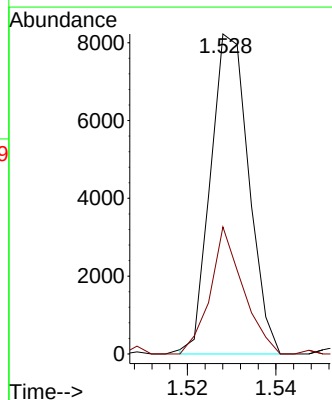
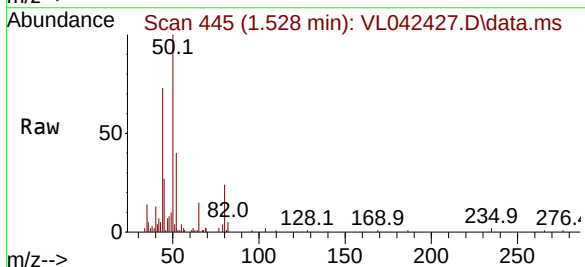
Instrument :
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ClientSampleId :
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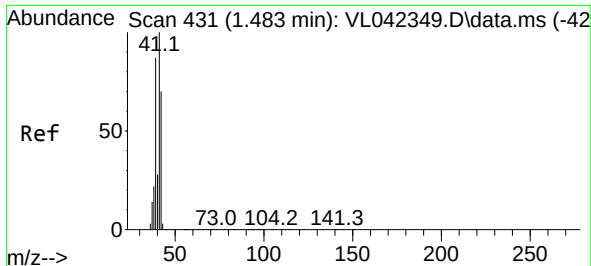
Tgt Ion: 51 Resp: 18543
Ion Ratio Lower Upper
51 100
67 10.4 16.2 24.4#



#4
Chloromethane
Concen: 0.538 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 50 Resp: 4924
Ion Ratio Lower Upper
50 100
52 39.7 24.7 37.1#





#9

Propene

Concen: 0.323 ppbv

RT: 1.619 min Scan# 41

Delta R.T. 0.136 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

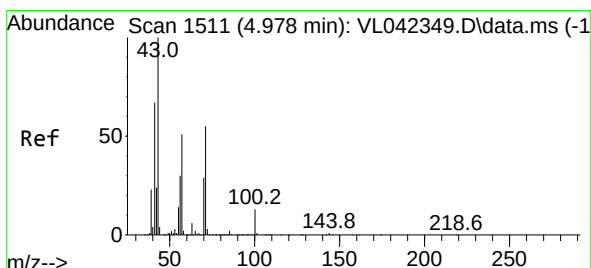
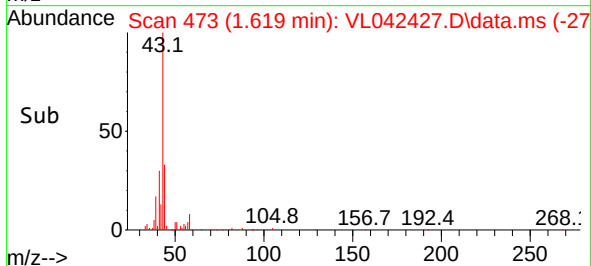
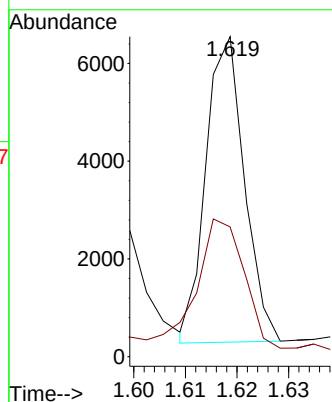
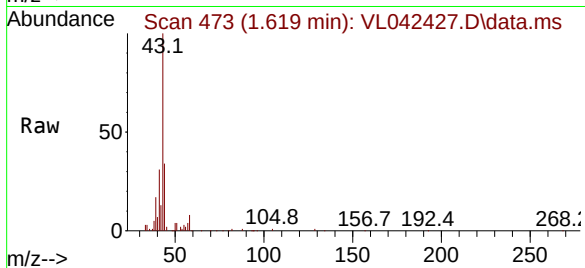
EBR-P08-SC-IA01-20250421

Tgt Ion: 41 Resp: 3240

Ion Ratio Lower Upper

41 100

42 75.1 56.2 84.4



#10

Heptane

Concen: 0.070 ppbv

RT: 4.969 min Scan# 1508

Delta R.T. -0.010 min

Lab File: VL042427.D

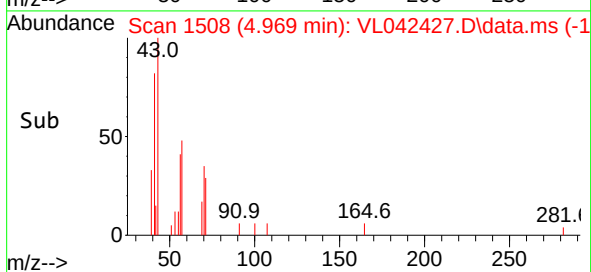
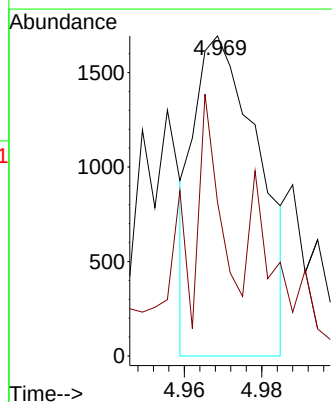
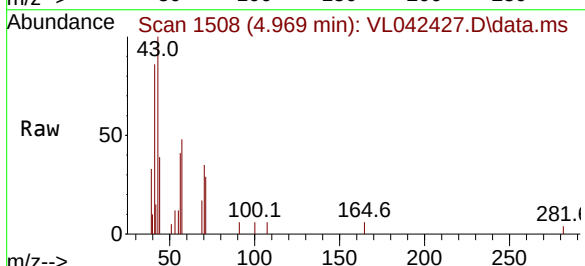
Acq: 28 Apr 2025 15:42

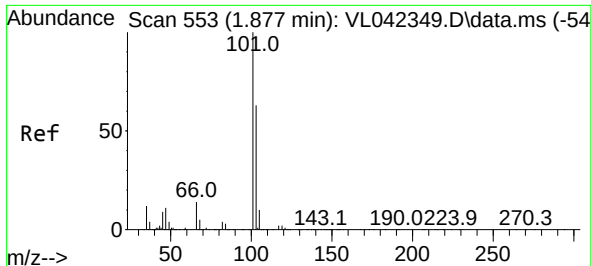
Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

57 76.9 39.9 59.9#

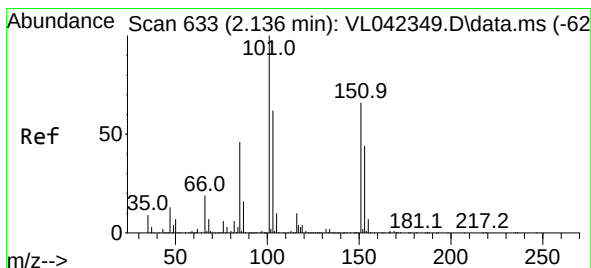
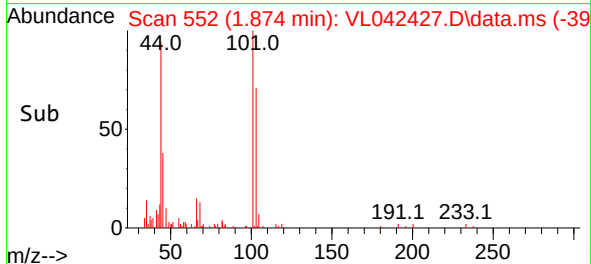
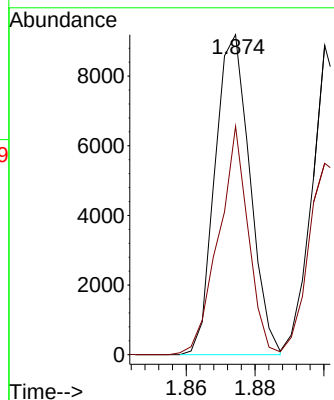
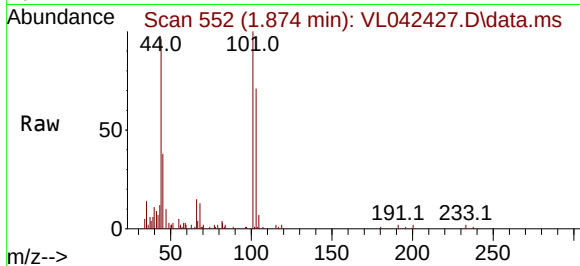




#11
 Trichlorofluoromethane
 Concen: 0.294 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042427.D
 Acq: 28 Apr 2025 15:42

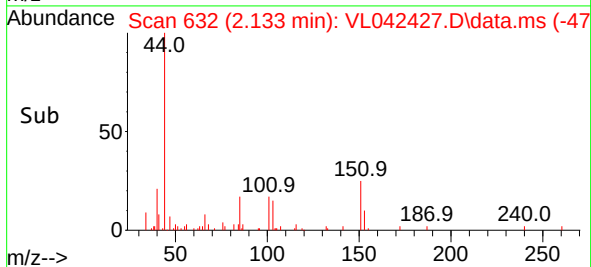
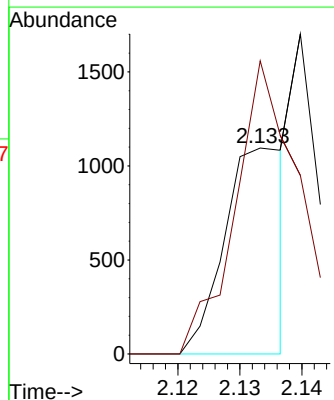
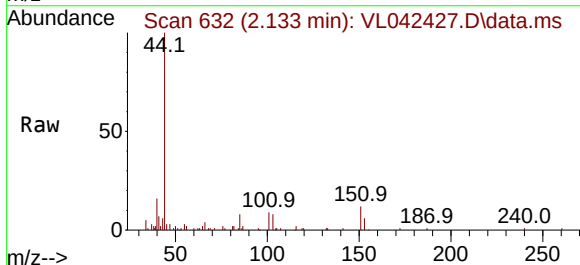
Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P08-SC-IA01-20250421

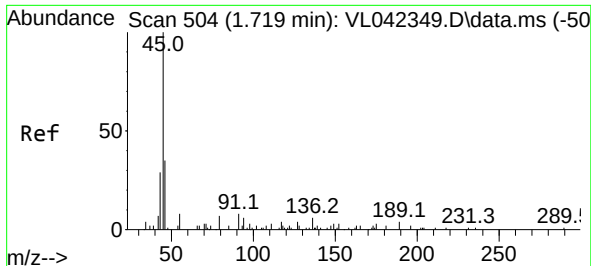
Tgt Ion:101 Resp: 6480
 Ion Ratio Lower Upper
 101 100
 103 70.8 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.042 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. -0.003 min
 Lab File: VL042427.D
 Acq: 28 Apr 2025 15:42

Tgt Ion:101 Resp: 750
 Ion Ratio Lower Upper
 101 100
 151 150.3 57.0 85.6#

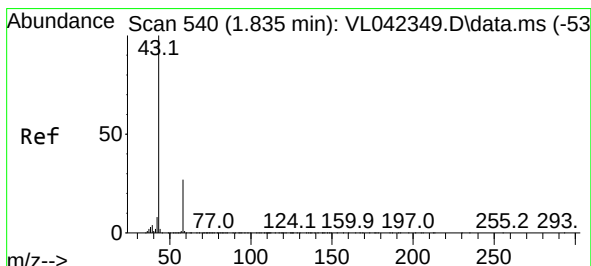
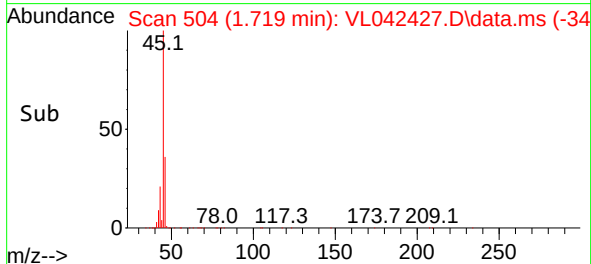
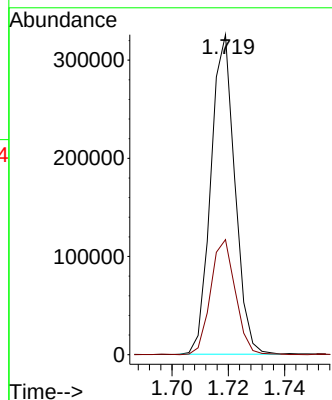
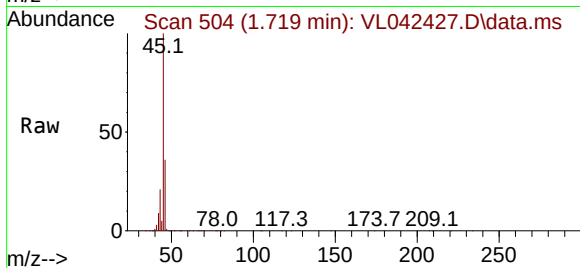




#13
Ethanol
Concen: 120.690 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

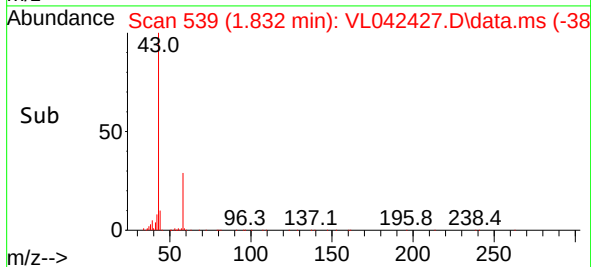
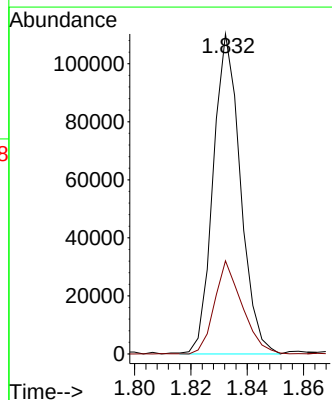
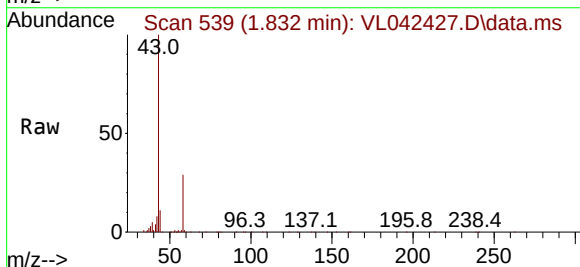
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MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

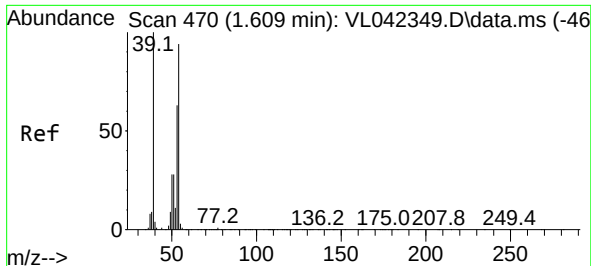
Tgt Ion: 45 Resp: 192490
Ion Ratio Lower Upper
45 100
46 37.7 21.9 87.7



#15
Acetone
Concen: 3.459 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 74168
Ion Ratio Lower Upper
43 100
58 29.7 22.4 33.6





#16

1,3-Butadiene

Concen: 0.116 ppbv

RT: 1.596 min Scan# 466

Delta R.T. -0.013 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

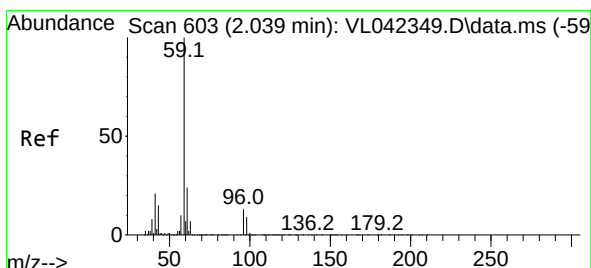
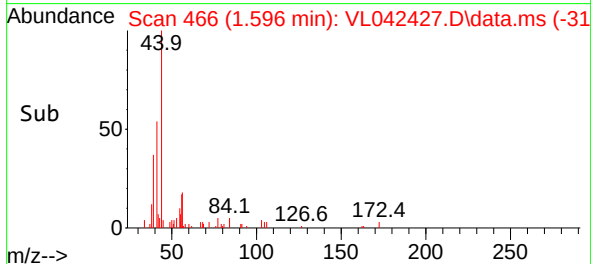
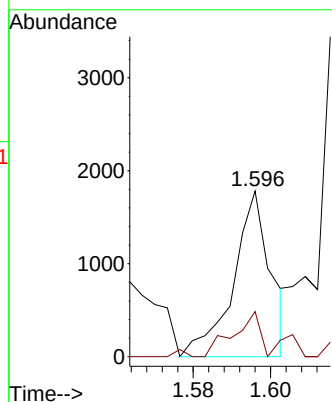
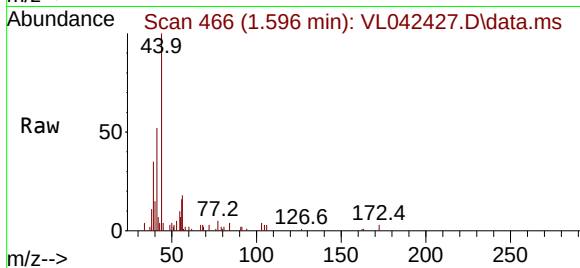
EBR-P08-SC-IA01-20250421

Tgt Ion: 39 Resp: 1187

Ion Ratio Lower Upper

39 100

54 33.0 64.9 97.3#



#17

tert-Butyl alcohol

Concen: 0.083 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042427.D

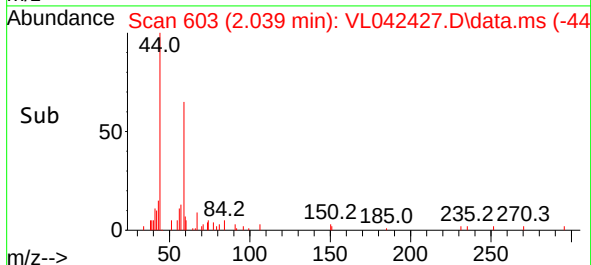
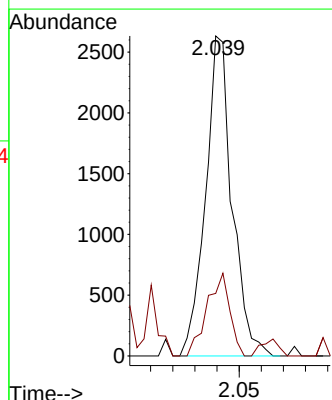
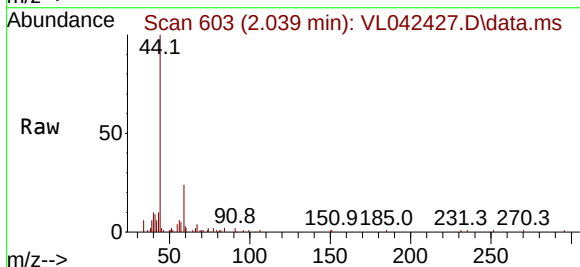
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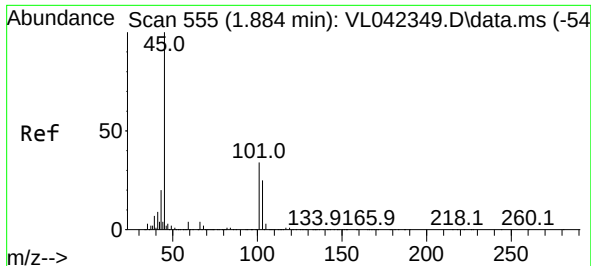
Tgt Ion: 59 Resp: 2195

Ion Ratio Lower Upper

59 100

57 25.6 8.7 13.1#

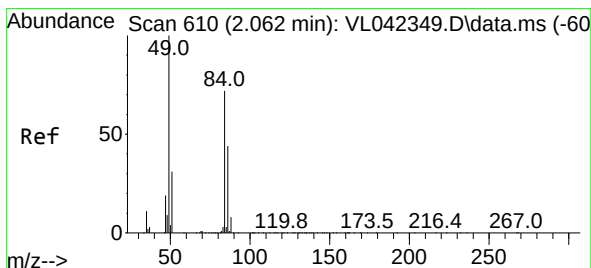
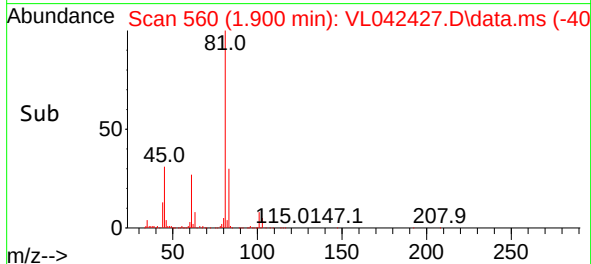
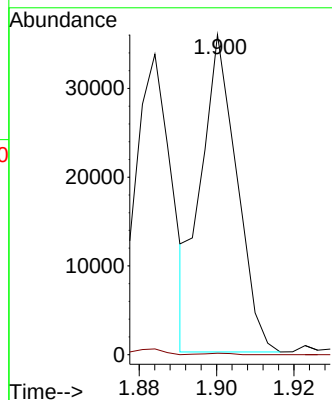
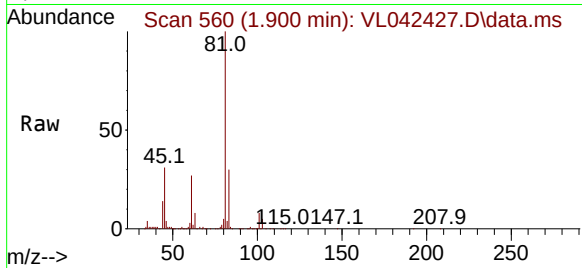




#19
Isopropyl Alcohol
Concen: 1.916 ppbv
RT: 1.900 min Scan# 510
Delta R.T. 0.016 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

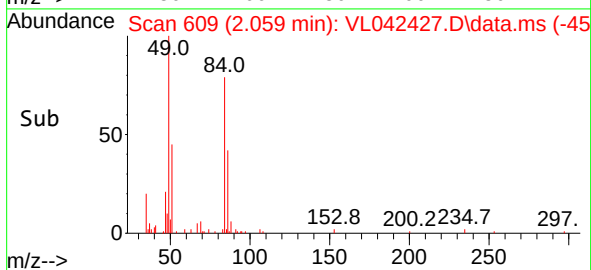
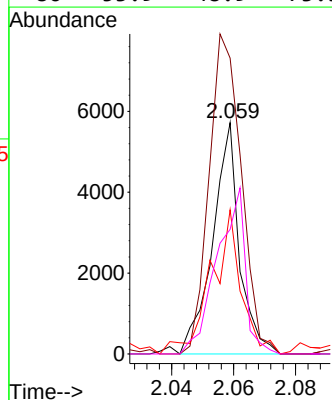
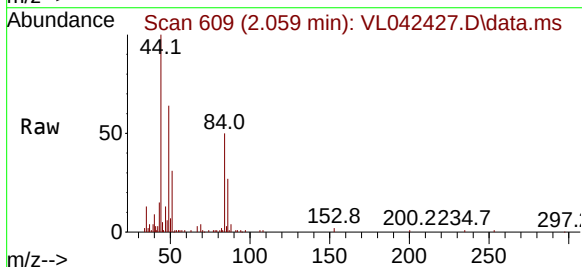
Instrument :
MSVOA_1
ClientSampleId :
EBR-P08-SC-IA01-20250421

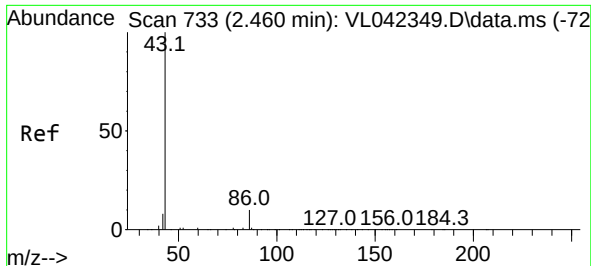
Tgt Ion: 45 Resp: 22820
Ion Ratio Lower Upper
45 100
58 0.0 34.5 51.7#



#20
Methylene Chloride
Concen: 0.408 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 84 Resp: 3423
Ion Ratio Lower Upper
84 100
49 127.9 111.6 167.4
51 62.3 35.1 52.7#
86 53.9 48.9 73.3





#23

Vinyl Acetate

Concen: 0.825 ppbv

RT: 2.450 min Scan# 71

Delta R.T. -0.010 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

EBR-P08-SC-IA01-20250421

Tgt Ion: 43 Resp: 7160

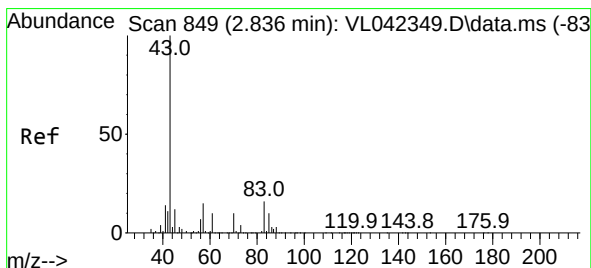
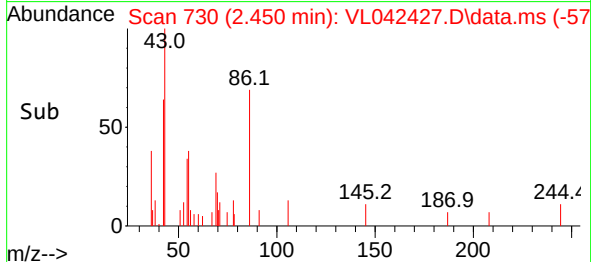
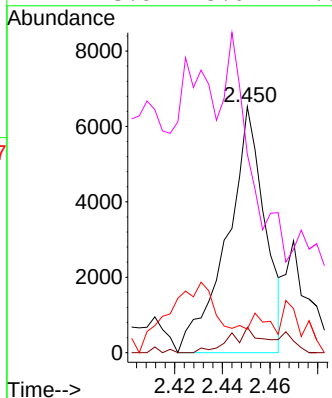
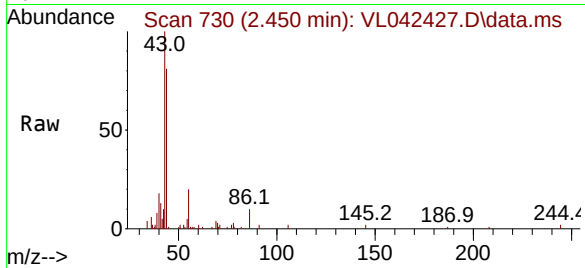
Ion Ratio Lower Upper

43 100

86 10.3 6.5 9.7#

42 2.1 7.8 11.8#

44 23.8 5.0 7.6#



#25

Ethyl Acetate

Concen: 0.136 ppbv

RT: 2.826 min Scan# 846

Delta R.T. -0.010 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Tgt Ion: 43 Resp: 7204

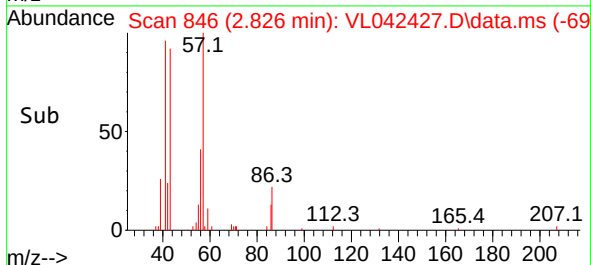
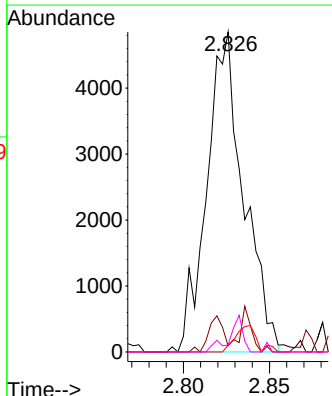
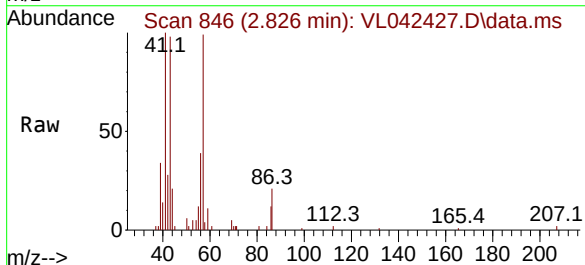
Ion Ratio Lower Upper

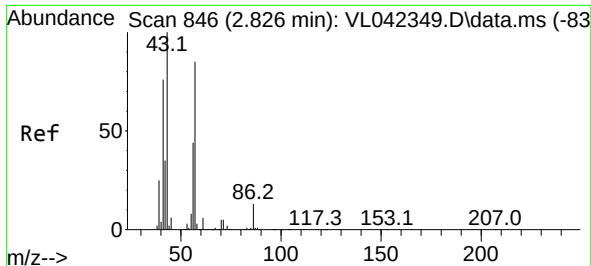
43 100

45 8.9 8.3 12.5

61 4.8 7.3 10.9#

70 4.6 7.0 10.6#

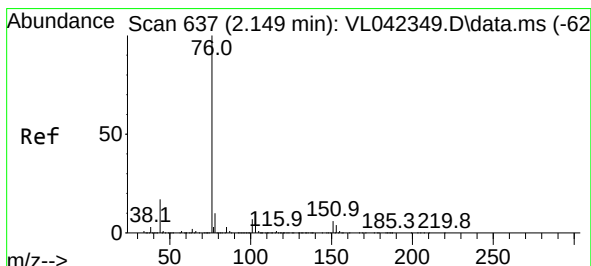
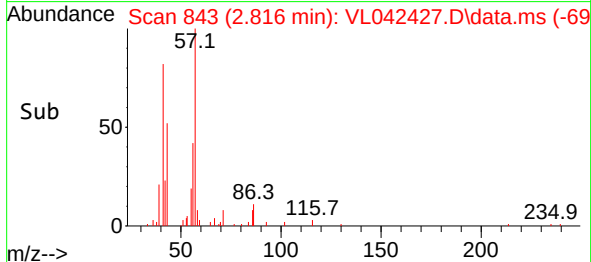
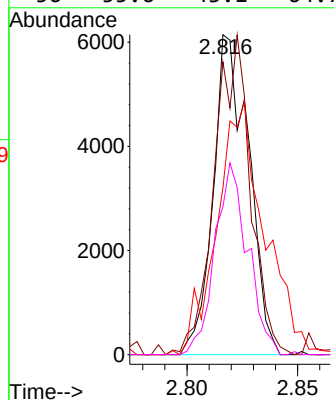
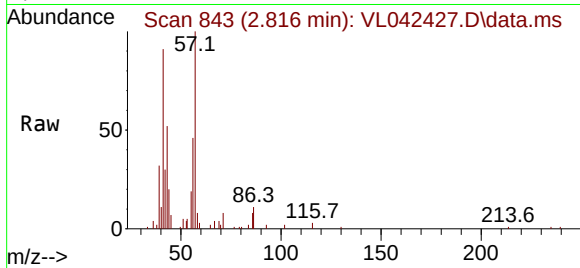




#26
Hexane
Concen: 0.320 ppbv
RT: 2.816 min Scan# 846
Delta R.T. -0.010 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

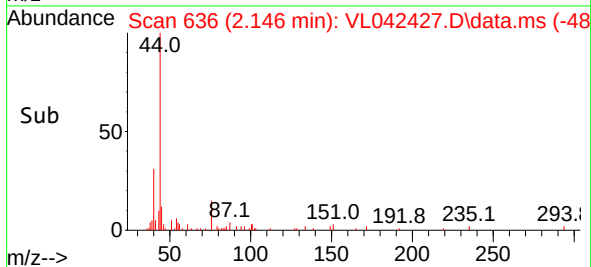
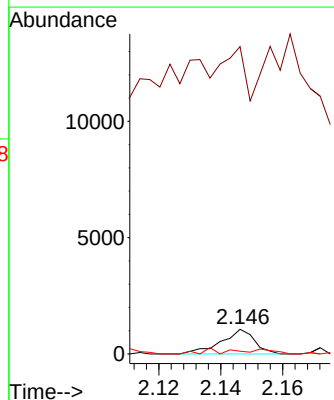
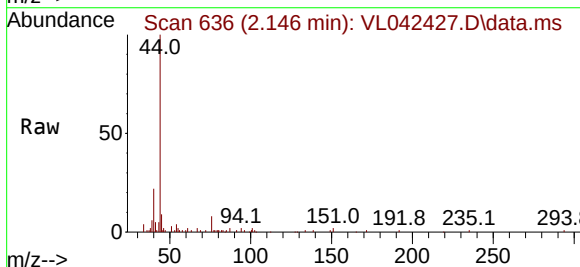
Instrument :
MSVOA_L
ClientSampleId :
EBR-P08-SC-IA01-20250421

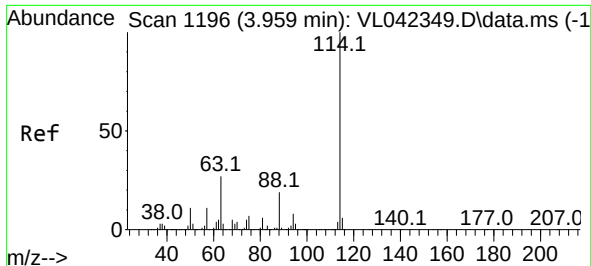
Tgt Ion:	57	Resp:	6844
Ion	Ratio	Lower	Upper
57	100		
41	109.6	77.9	116.9
43	106.7	208.4	312.6#
56	55.6	43.1	64.7



#27
Carbon Disulfide
Concen: 0.034 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.003 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:	76	Resp:	789
Ion	Ratio	Lower	Upper
76	100		
44	2565.4	15.5	23.3#
78	21.5	9.3	13.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.010 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Instrument :

MSVOA_L

ClientSampleId :

EBR-P08-SC-IA01-20250421

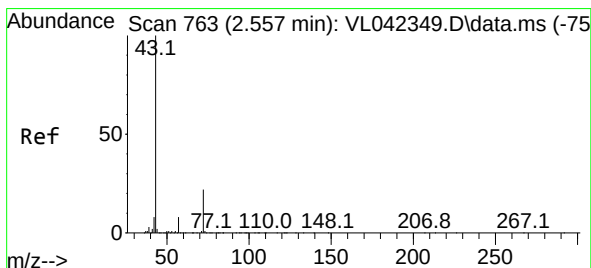
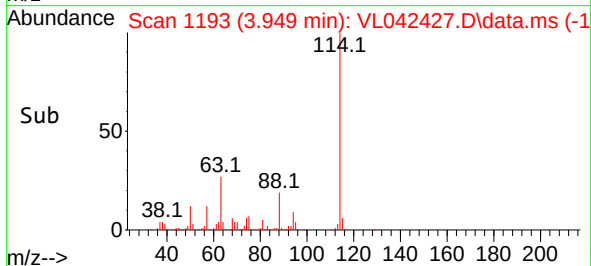
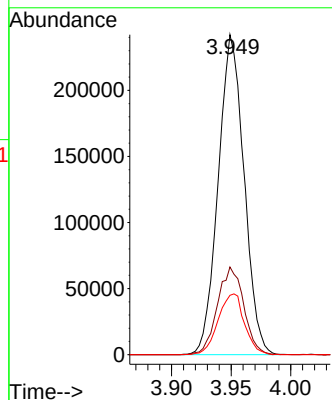
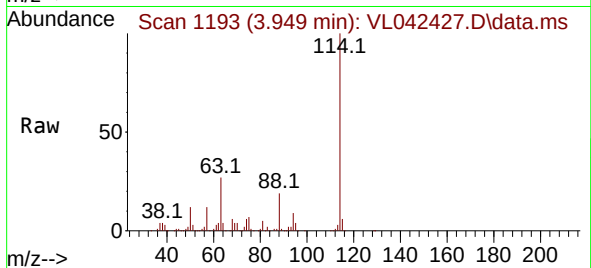
Tgt Ion:114 Resp: 364997

Ion Ratio Lower Upper

114 100

63 28.0 21.8 32.6

88 19.3 15.5 23.3



#34

2-Butanone

Concen: 0.313 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.000 min

Lab File: VL042427.D

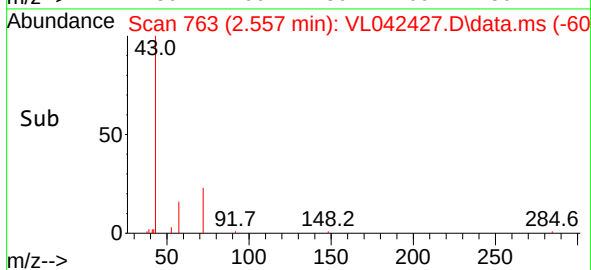
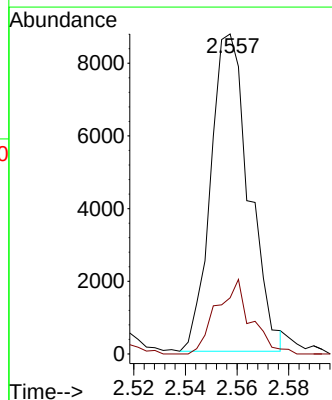
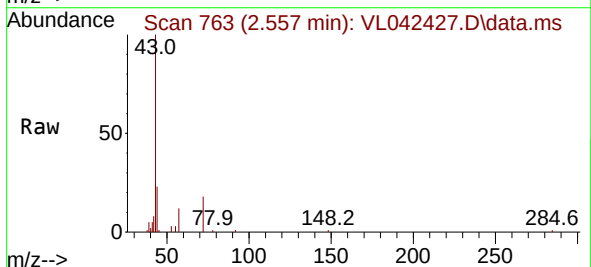
Acq: 28 Apr 2025 15:42

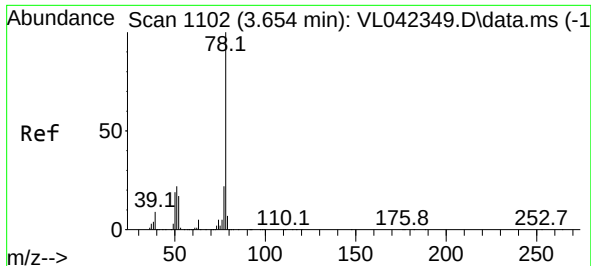
Tgt Ion: 43 Resp: 9033

Ion Ratio Lower Upper

43 100

72 21.0 18.2 27.2





#36

Benzene

Concen: 0.060 ppbv

RT: 3.648 min Scan# 1100

Delta R.T. -0.006 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

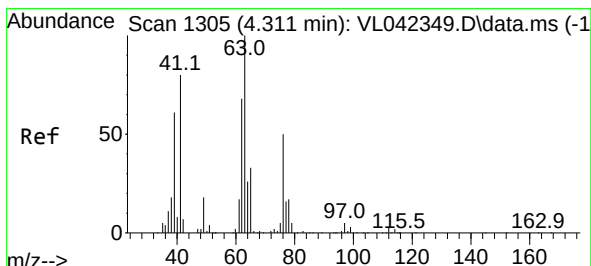
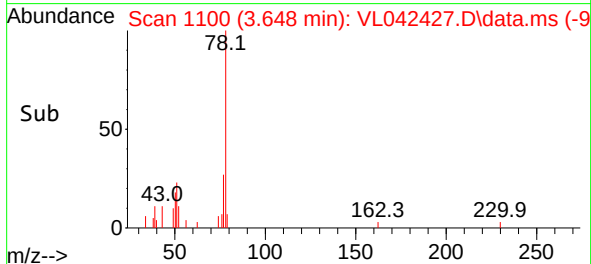
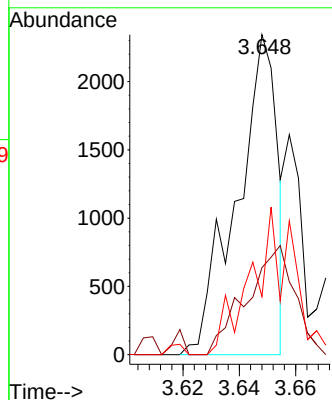
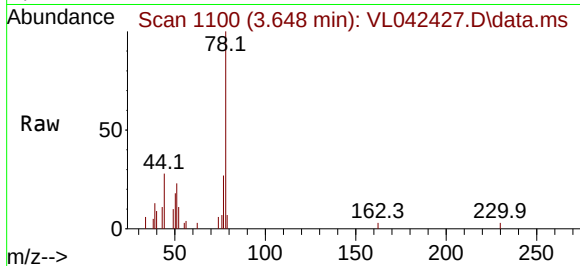
Instrument :

MSVOA_1

ClientSampleId :

EBR-P08-SC-IA01-20250421

Tgt Ion:	78	Resp:	2344
Ion	Ratio	Lower	Upper
78	100		
77	19.4	17.4	26.0
50	14.9	15.5	23.3#



#39

1,2-Dichloropropane

Concen: 6.946 ppbv

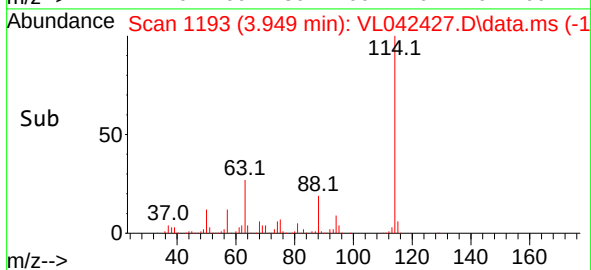
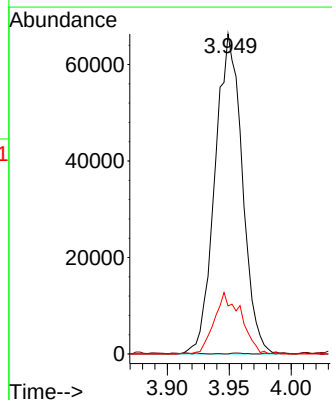
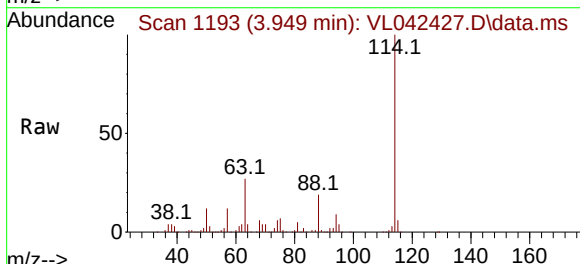
RT: 3.949 min Scan# 1193

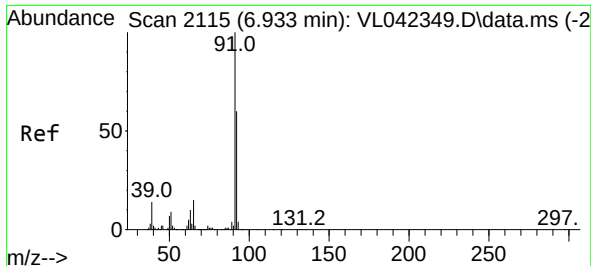
Delta R.T. -0.362 min

Lab File: VL042427.D

Acq: 28 Apr 2025 15:42

Tgt Ion:	63	Resp:	101903
Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.2	96.2#
62	14.8	54.3	81.5#

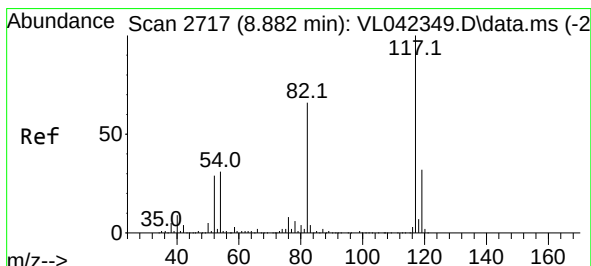
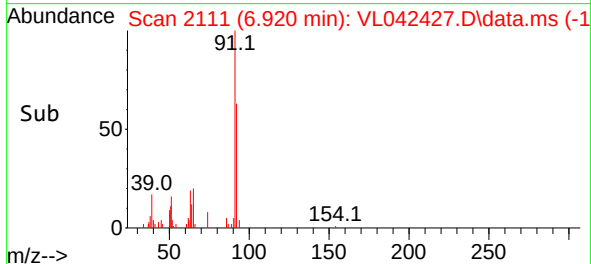
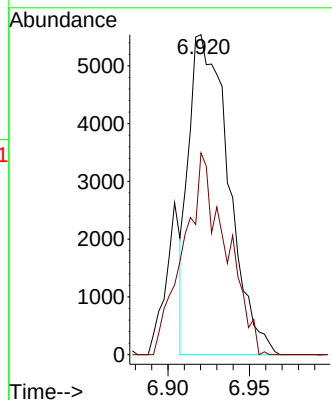
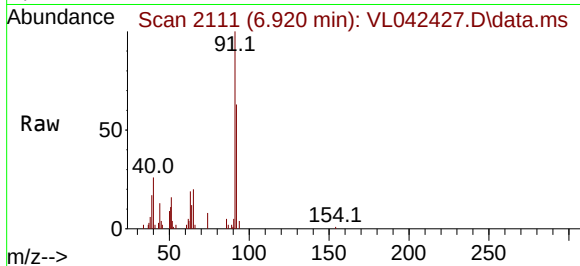




#53
Toluene
Concen: 0.199 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.013 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

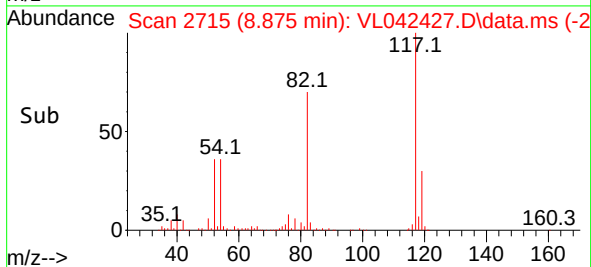
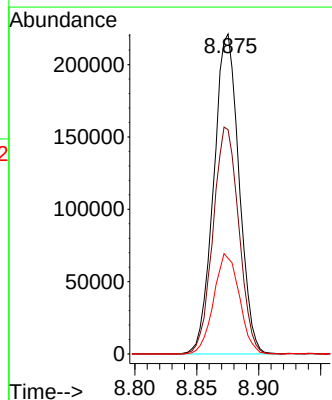
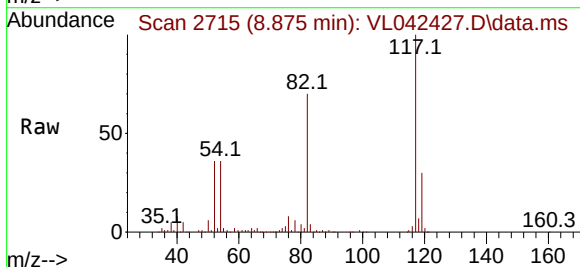
Instrument : MSVOA_1
ClientSampleId : EBR-P08-SC-IA01-20250421

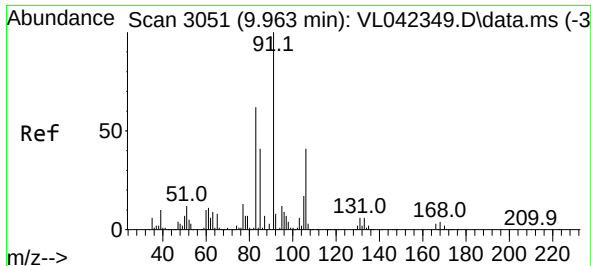
Tgt Ion: 91 Resp: 9391
Ion Ratio Lower Upper
91 100
92 67.0 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 117 Resp: 315370
Ion Ratio Lower Upper
117 100
82 72.0 57.8 86.6
119 31.8 25.2 37.8

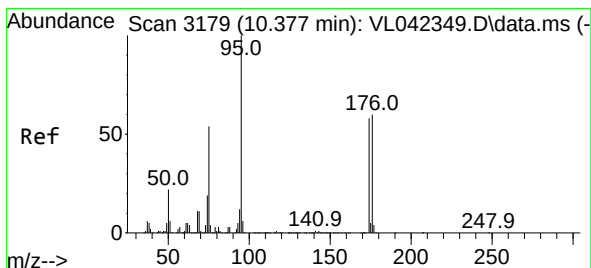
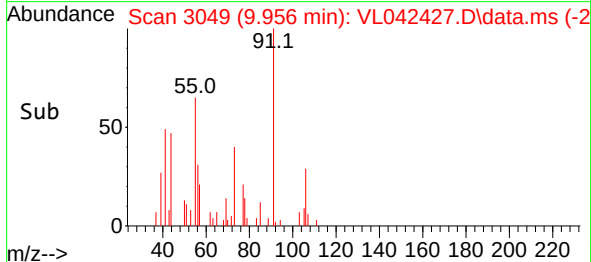
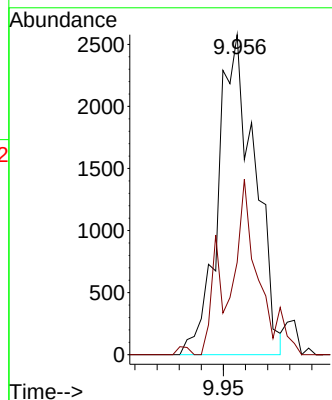
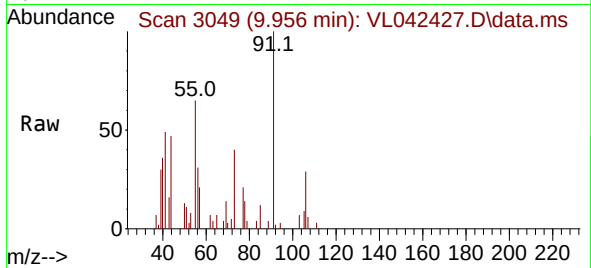




#60
o-Xylene
Concen: 0.059 ppbv
RT: 9.956 min Scan# 3051
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

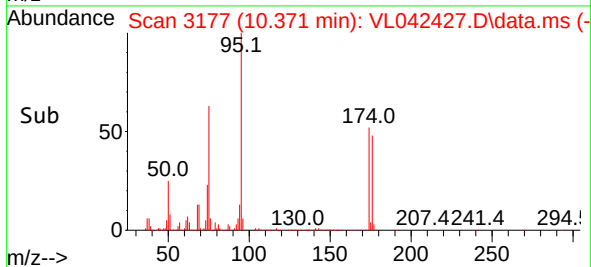
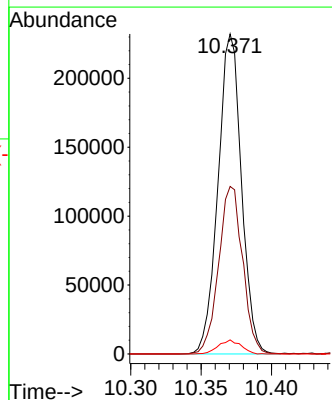
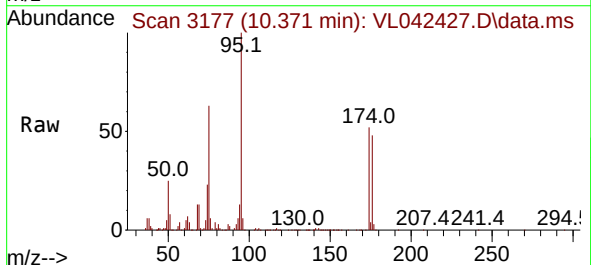
Instrument : MSVOA_L
ClientSampleId : EBR-P08-SC-IA01-20250421

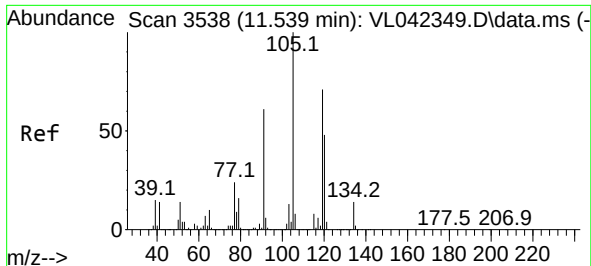
Tgt Ion: 91 Resp: 2969
Ion Ratio Lower Upper
91 100
106 45.0 21.1 63.4



#68
1-Bromo-4-Fluorobenzene
Concen: 10.370 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion: 95 Resp: 268747
Ion Ratio Lower Upper
95 100
174 53.6 48.5 72.7
175 4.2 3.7 5.5

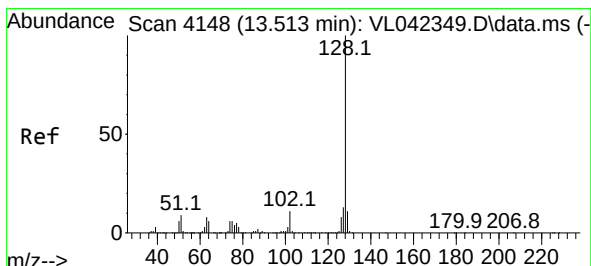
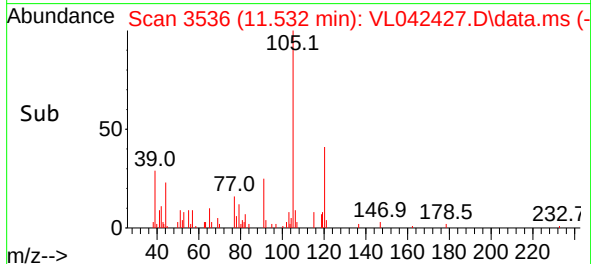
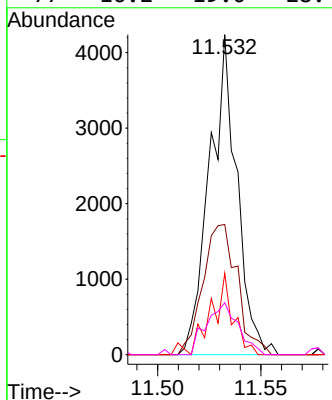
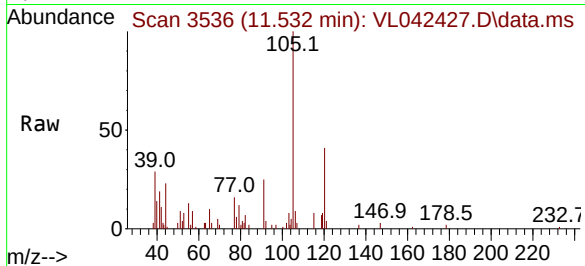




#74
1,2,4-Trimethylbenzene
Concen: 0.061 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Instrument : MSVOA_1
ClientSampleId : EBR-P08-SC-IA01-20250421

Tgt Ion:	105	Resp:	3903
Ion	Ratio	Lower	Upper
105	100		
120	40.7	38.1	57.1
91	25.5	48.8	73.2#
77	16.2	19.0	28.4#



#79
Naphthalene
Concen: 0.054 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042427.D
Acq: 28 Apr 2025 15:42

Tgt Ion:	128	Resp:	4122
Ion	Ratio	Lower	Upper
128	100		
127	18.7	10.6	15.8#
129	20.5	8.6	12.8#

