

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040323.D
 Acq On : 10 Apr 2023 13:48
 Operator : SY/MD
 Sample : 02229-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Quant Time: Apr 15 02:51:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

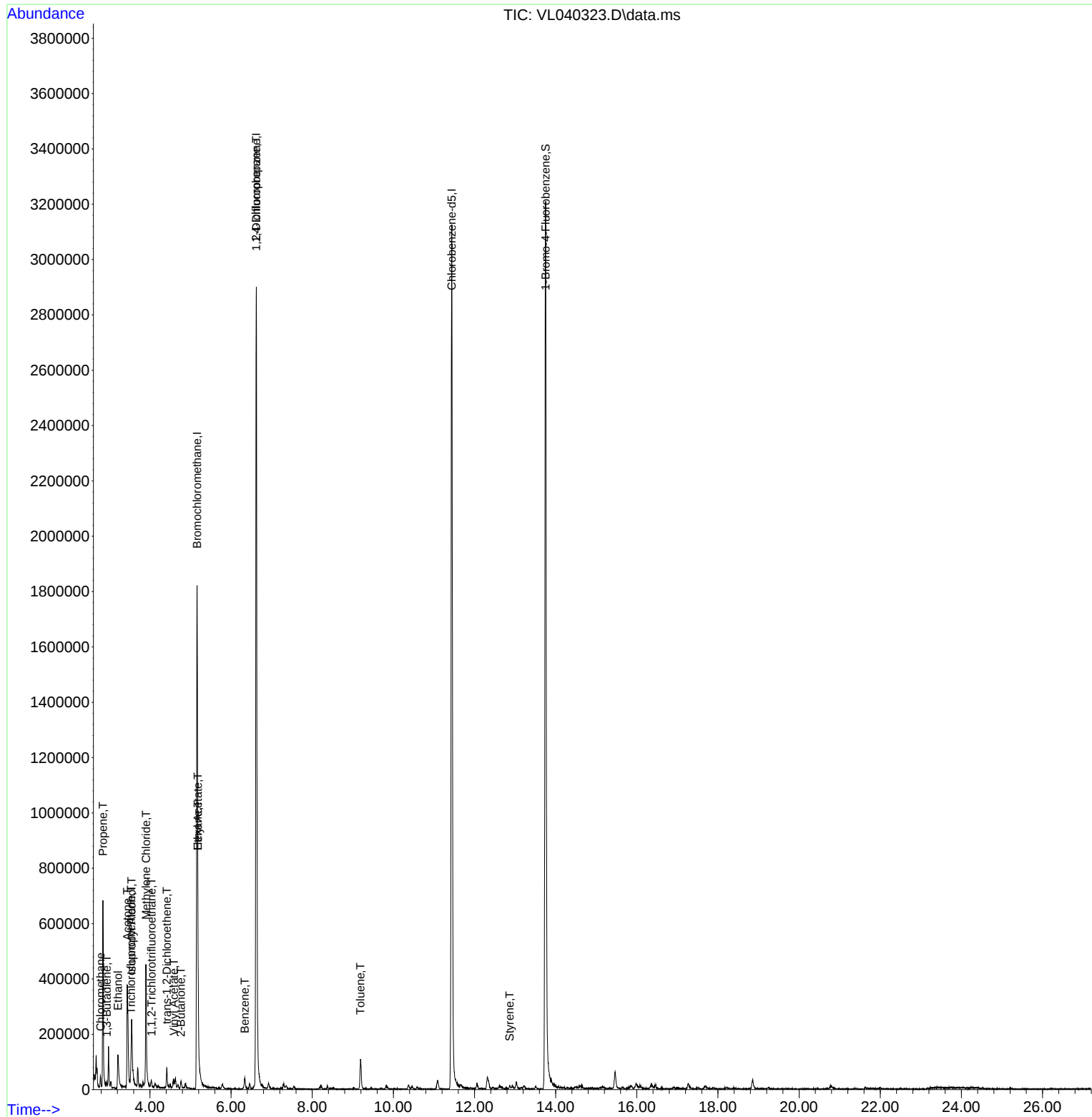
Internal Standards						
1) Bromochloromethane	5.159	49	850520	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.622	114	2066625	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.439	117	1913918	10.000	ppbv	-0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1604514	10.011	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.100%	
Target Compounds						
					Qvalue	
4) Chloromethane	2.780	50	31222	0.473	ppbv #	84
9) Propene	2.841	41	175530	4.284	ppbv	93
11) Trichlorofluoromethane	3.533	101	36151	0.239	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.037	101	6876	0.061	ppbv #	81
13) Ethanol	3.211	45	139853	46.540	ppbv	99
15) Acetone	3.439	43	421574	4.071	ppbv	100
16) 1,3-Butadiene	2.934	39	4724	0.100	ppbv #	64
19) Isopropyl Alcohol	3.549	45	250615	5.053	ppbv	100
20) Methylene Chloride	3.902	84	159320	3.657	ppbv	96
22) trans-1,2-Dichloroethene	4.417	96	21340	0.430	ppbv	96
23) Vinyl Acetate	4.590	43	16924	0.587	ppbv #	88
25) Ethyl Acetate	5.182	43	66491	0.343	ppbv #	84
26) Hexane	5.182	57	76933	0.967	ppbv #	42
34) 2-Butanone	4.764	43	26946	0.264	ppbv	95
36) Benzene	6.340	78	23284	0.148	ppbv #	91
39) 1,2-Dichloropropane	6.619	63	534098	8.644	ppbv #	24
53) Toluene	9.188	91	55955	0.339	ppbv #	64
61) Styrene	12.863	104	3059	0.032	ppbv #	18

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

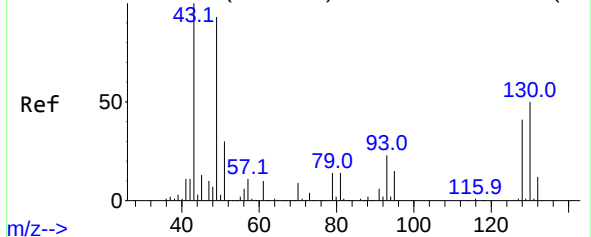
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
Data File : VL040323.D
Acq On : 10 Apr 2023 13:48
Operator : SY/MD
Sample : 02229-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

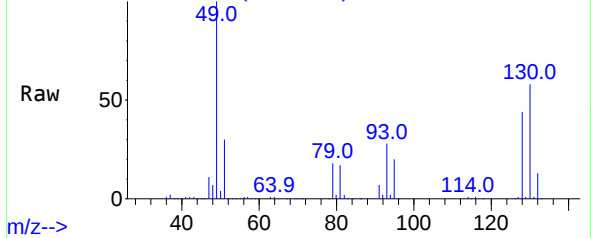
Quant Time: Apr 15 02:51:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration



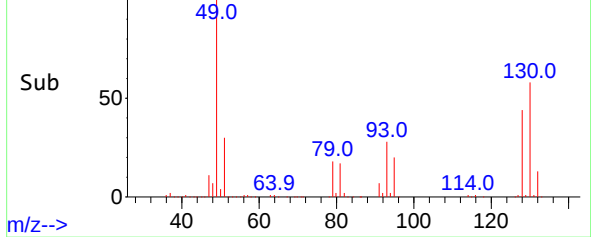
Abundance Scan 804 (5.189 min): VL040279.D\data.ms (-78



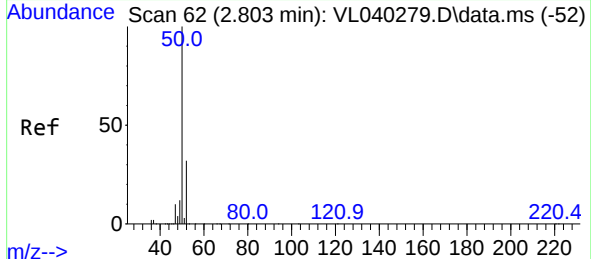
m/z--> Abundance Scan 795 (5.159 min): VL040323.D\data.ms



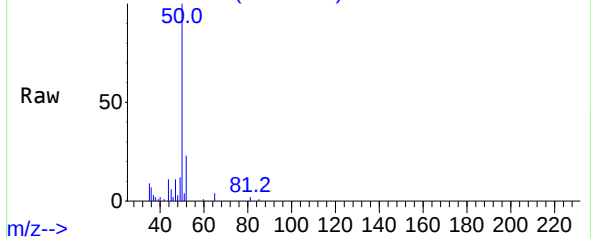
m/z--> Abundance Scan 795 (5.159 min): VL040323.D\data.ms (-64



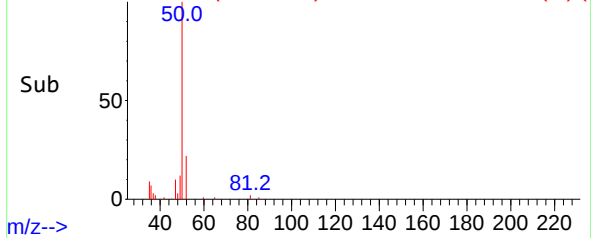
m/z--> Abundance Scan 62 (2.803 min): VL040279.D\data.ms (-52)



m/z--> Abundance Scan 55 (2.780 min): VL040323.D\data.ms



m/z--> Abundance Scan 55 (2.780 min): VL040323.D\data.ms (-1)



m/z--> Abundance

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.159 min Scan# 79

Delta R.T. -0.030 min

Lab File: VL040323.D

Acq: 10 Apr 2023 13:48

Tgt Ion: 49 Resp: 850520

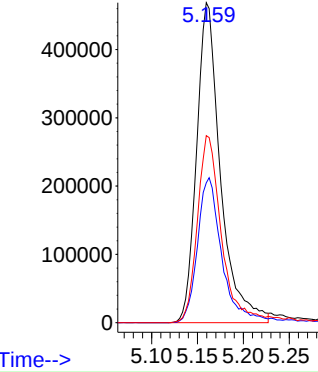
Ion Ratio Lower Upper

49 100

128 47.1 22.4 67.3

130 61.7 28.7 86.1

Abundance



Time-->

#4

Chloromethane

Concen: 0.473 ppbv

RT: 2.780 min Scan# 55

Delta R.T. -0.023 min

Lab File: VL040323.D

Acq: 10 Apr 2023 13:48

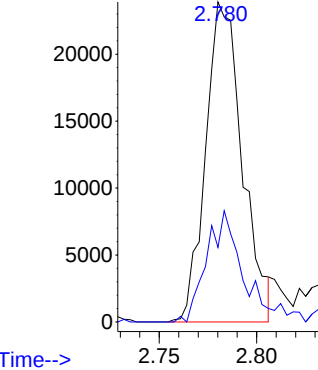
Tgt Ion: 50 Resp: 31222

Ion Ratio Lower Upper

50 100

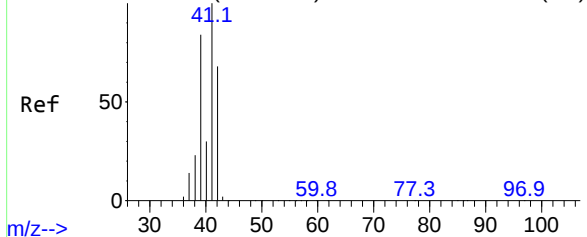
52 23.3 25.9 38.9

Abundance



Time-->

Abundance Scan 25 (2.684 min): VL040279.D\data.ms (-15)



#9

Propene

Concen: 4.284 ppbv

RT: 2.841 min Scan# 74

Delta R.T. 0.157 min

Lab File: VL040323.D

Acq: 10 Apr 2023 13:48

Instrument :

MSVOA_L

ClientSampleId :

AA-1DUP

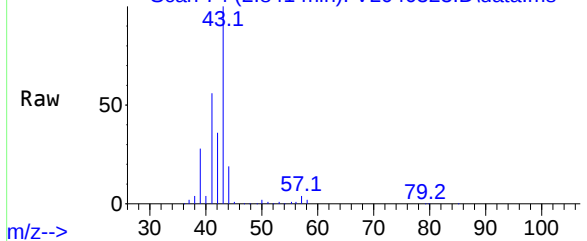
Tgt Ion: 41 Resp: 175530

Ion Ratio Lower Upper

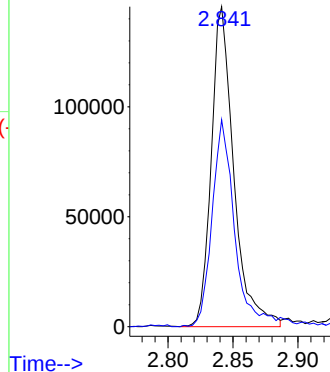
41 100

42 67.9 59.0 88.4

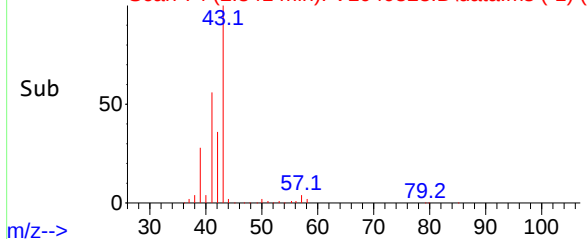
Abundance Scan 74 (2.841 min): VL040323.D\data.ms



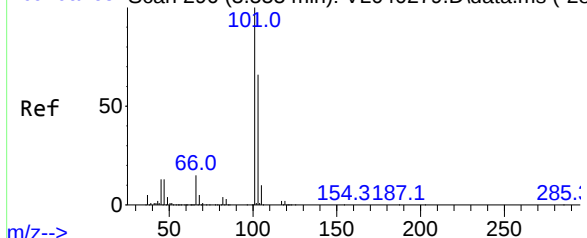
Abundance



Abundance Scan 74 (2.841 min): VL040323.D\data.ms (-1)



Abundance Scan 296 (3.555 min): VL040279.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.239 ppbv

RT: 3.533 min Scan# 289

Delta R.T. -0.022 min

Lab File: VL040323.D

Acq: 10 Apr 2023 13:48

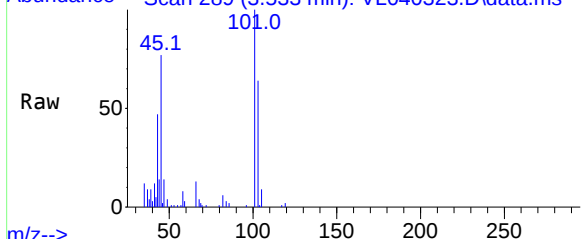
Tgt Ion: 101 Resp: 36151

Ion Ratio Lower Upper

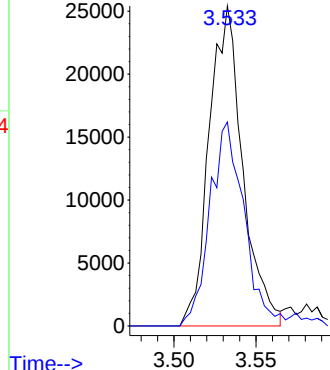
101 100

103 63.8 53.1 79.7

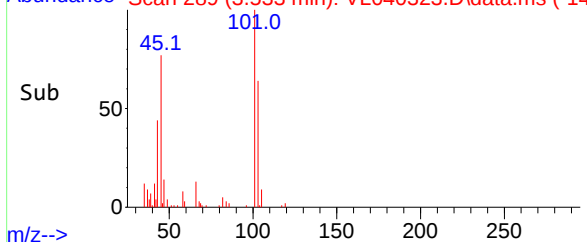
Abundance Scan 289 (3.533 min): VL040323.D\data.ms

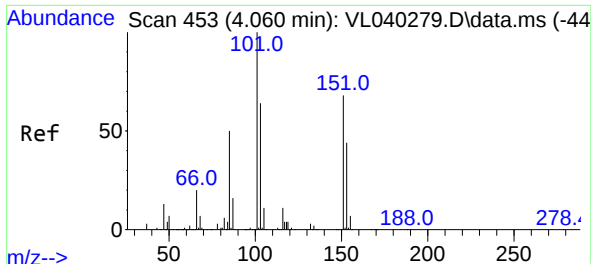


Abundance



Abundance Scan 289 (3.533 min): VL040323.D\data.ms (-14)

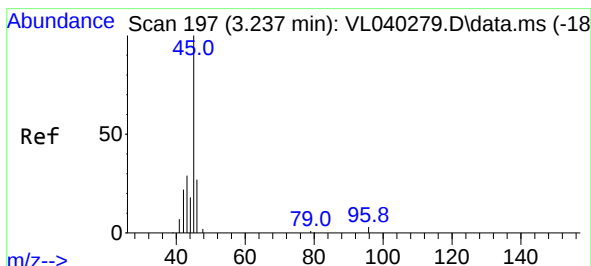
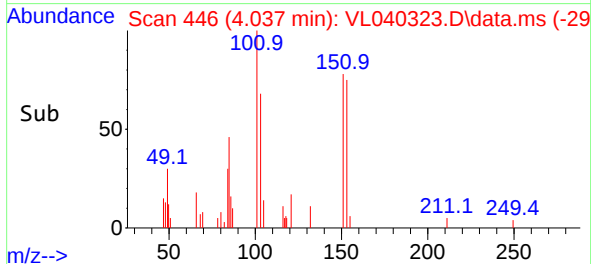
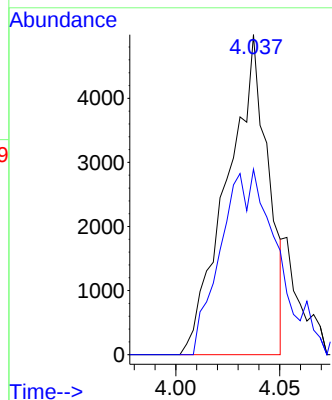
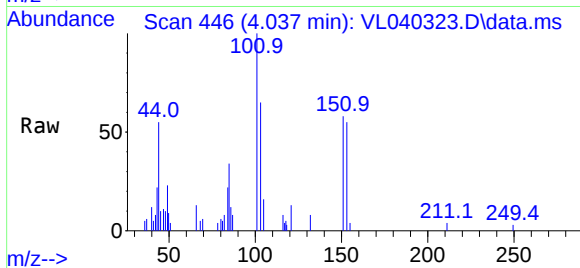




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.061 ppbv
RT: 4.037 min Scan# 44
Delta R.T. -0.023 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

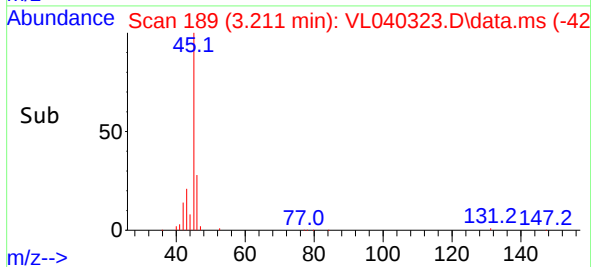
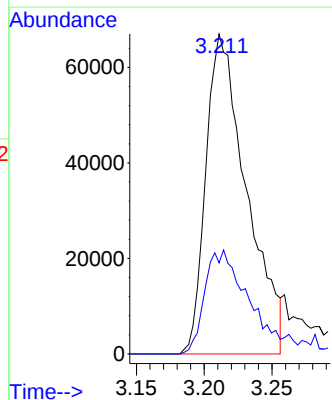
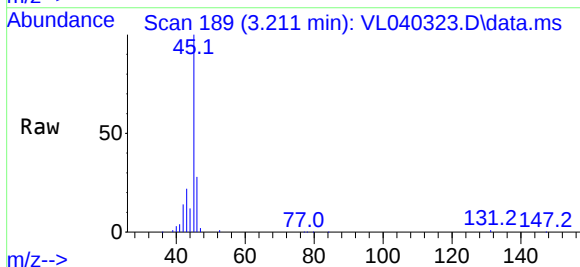
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

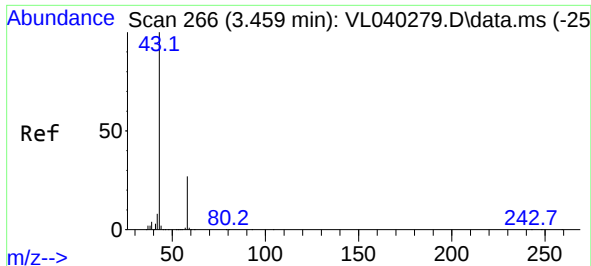
Tgt Ion:101 Resp: 6876
Ion Ratio Lower Upper
101 100
151 81.8 53.2 79.8#



#13
Ethanol
Concen: 46.540 ppbv
RT: 3.211 min Scan# 189
Delta R.T. -0.026 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 45 Resp: 139853
Ion Ratio Lower Upper
45 100
46 38.4 15.0 60.2

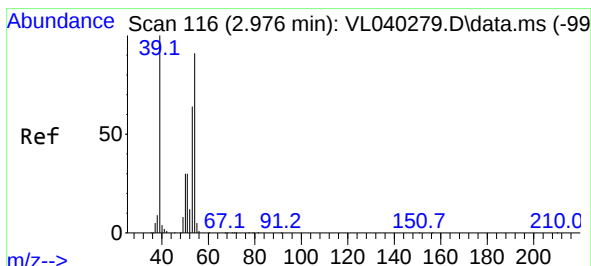
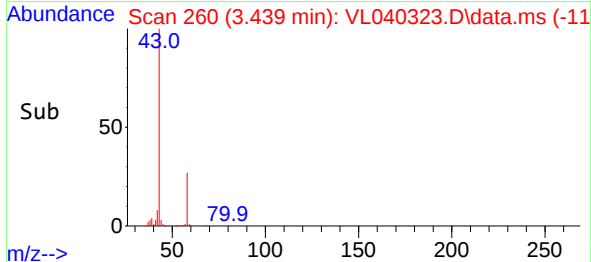
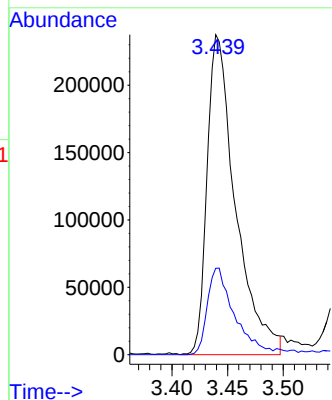
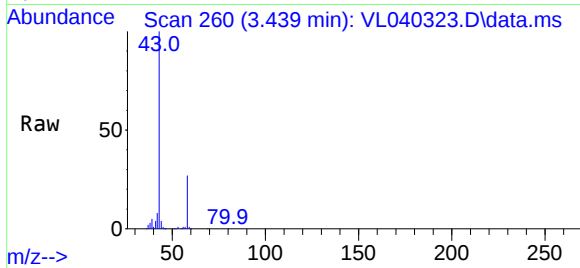




#15
Acetone
Concen: 4.071 ppbv
RT: 3.439 min Scan# 20
Delta R.T. -0.020 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

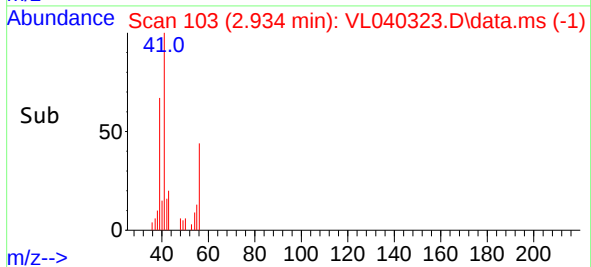
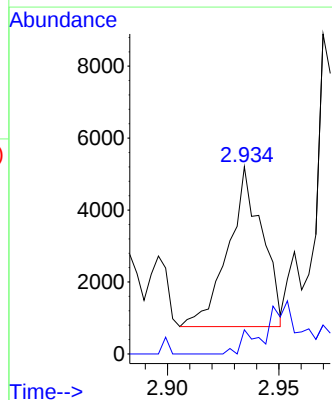
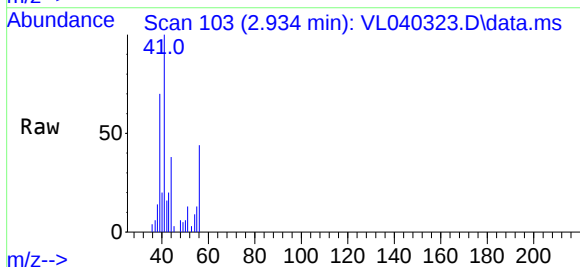
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

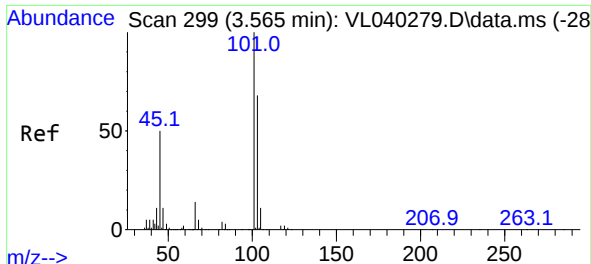
Tgt Ion: 43 Resp: 421574
Ion Ratio Lower Upper
43 100
58 27.2 21.8 32.8



#16
1,3-Butadiene
Concen: 0.100 ppbv
RT: 2.934 min Scan# 103
Delta R.T. -0.042 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 39 Resp: 4724
Ion Ratio Lower Upper
39 100
54 52.3 68.4 102.6#

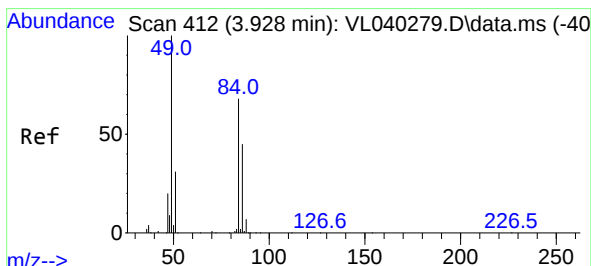
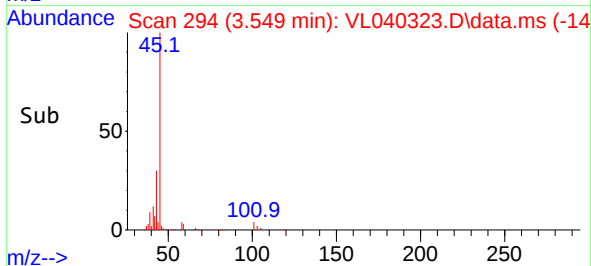
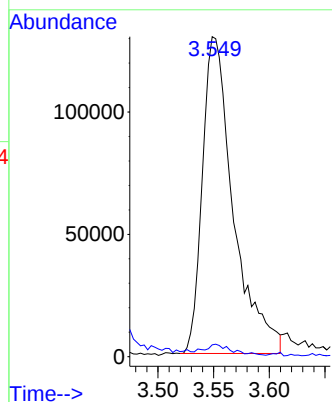
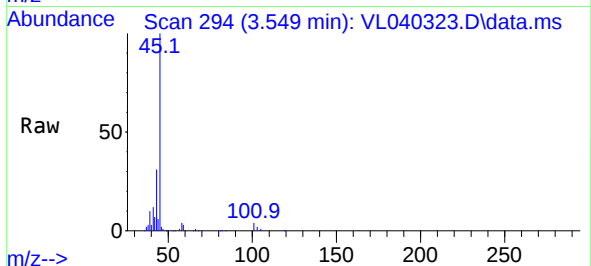




#19
Isopropyl Alcohol
Concen: 5.053 ppbv
RT: 3.549 min Scan# 299
Delta R.T. -0.016 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

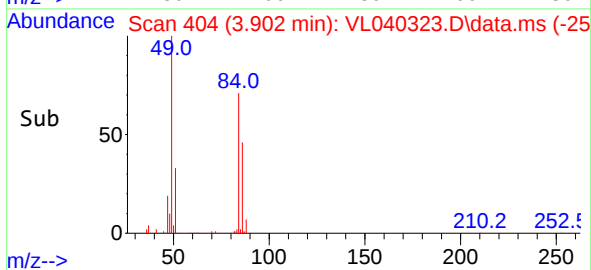
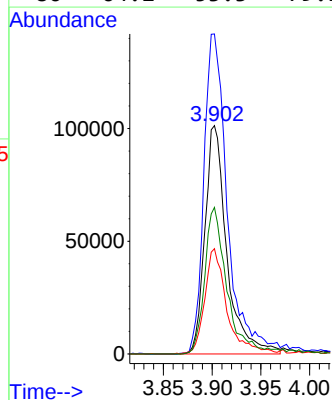
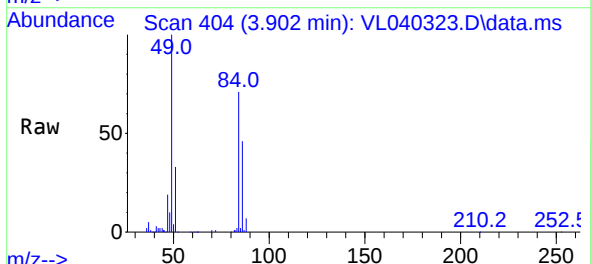
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

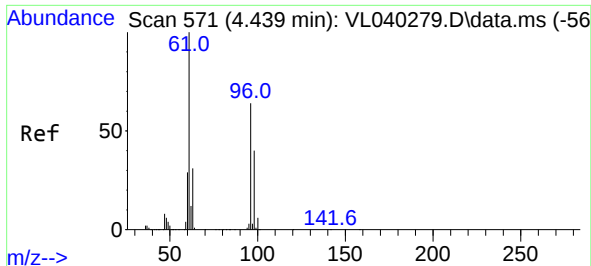
Tgt Ion: 45 Resp: 250615
Ion Ratio Lower Upper
45 100
58 3.5 2.7 4.1



#20
Methylene Chloride
Concen: 3.657 ppbv
RT: 3.902 min Scan# 404
Delta R.T. -0.026 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 84 Resp: 159320
Ion Ratio Lower Upper
84 100
49 139.9 117.5 176.3
51 46.1 36.9 55.3
86 64.2 53.3 79.9

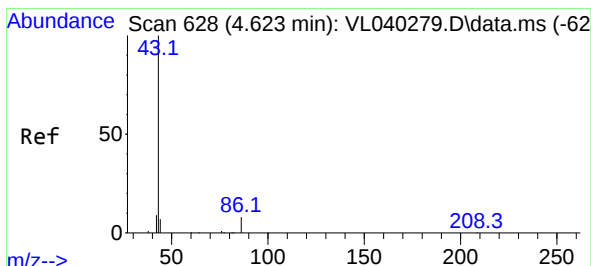
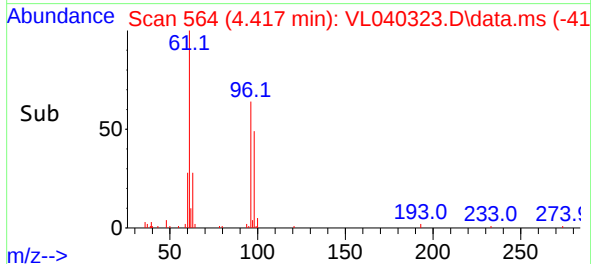
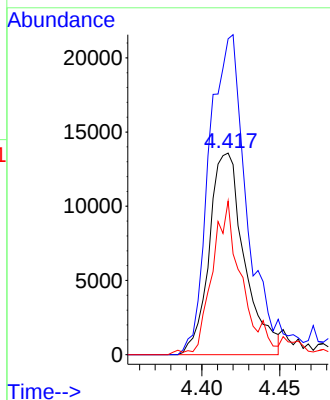
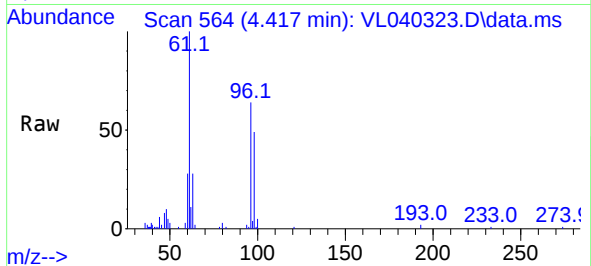




#22
trans-1,2-Dichloroethene
Concen: 0.430 ppbv
RT: 4.417 min Scan# 511
Delta R.T. -0.022 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

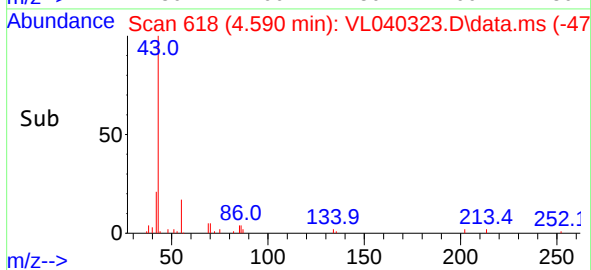
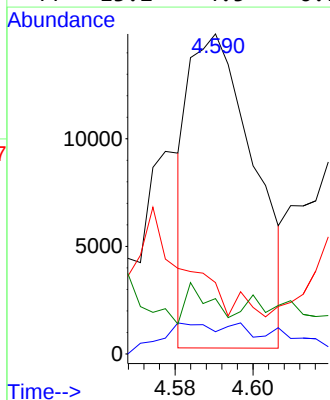
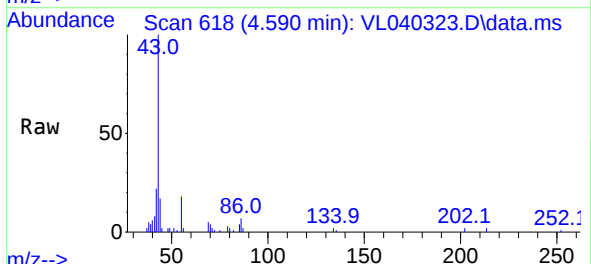
Instrument :
MSVOA_L
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AA-1DUP

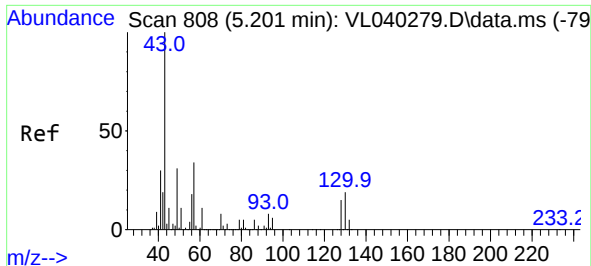
Tgt Ion: 96 Resp: 21340
Ion Ratio Lower Upper
96 100
61 156.7 125.4 188.2
98 74.0 49.8 74.6



#23
Vinyl Acetate
Concen: 0.587 ppbv
RT: 4.590 min Scan# 618
Delta R.T. -0.033 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 43 Resp: 16924
Ion Ratio Lower Upper
43 100
86 0.0 5.0 7.4#
42 12.4 9.1 13.7
44 13.2 4.5 6.7#





#25

Ethyl Acetate

Concen: 0.343 ppbv

RT: 5.182 min Scan# 802

Delta R.T. -0.019 min

Lab File: VL040323.D

Acq: 10 Apr 2023 13:48

Instrument :

MSVOA_L

ClientSampleId :

AA-1DUP

Tgt Ion: 43 Resp: 66491

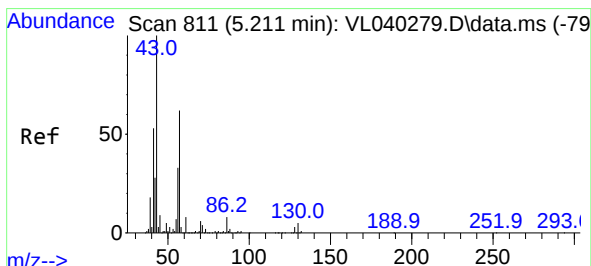
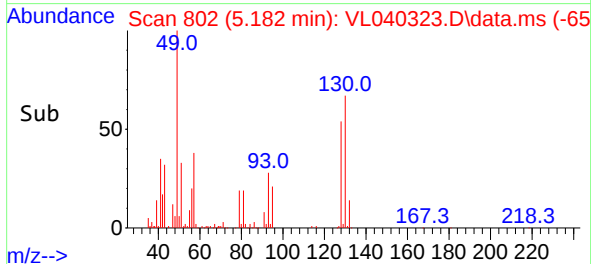
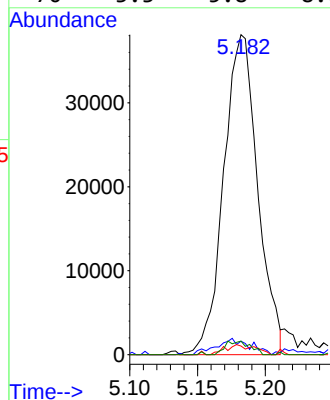
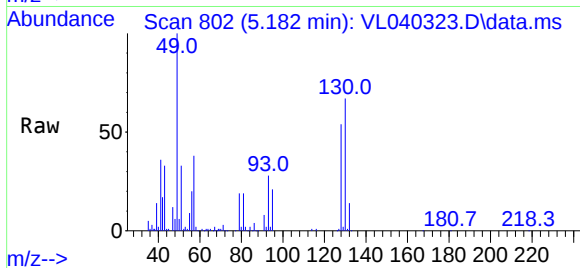
Ion Ratio Lower Upper

43 100

45 5.1 8.6 12.8#

61 3.1 8.4 12.6#

70 3.3 5.8 8.6#



#26

Hexane

Concen: 0.967 ppbv

RT: 5.182 min Scan# 802

Delta R.T. -0.029 min

Lab File: VL040323.D

Acq: 10 Apr 2023 13:48

Tgt Ion: 57 Resp: 76933

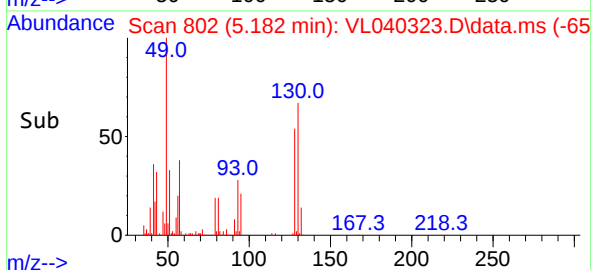
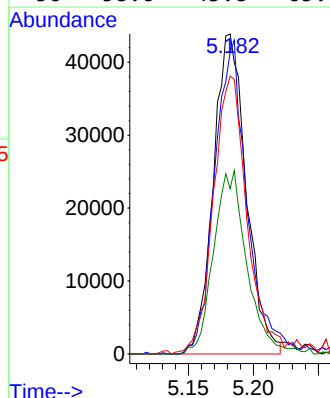
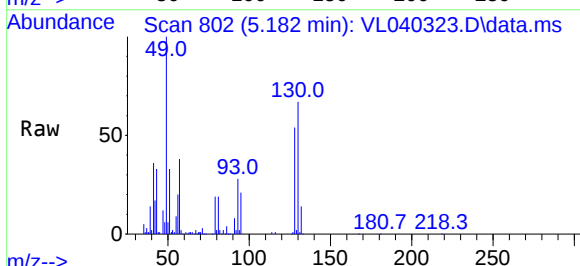
Ion Ratio Lower Upper

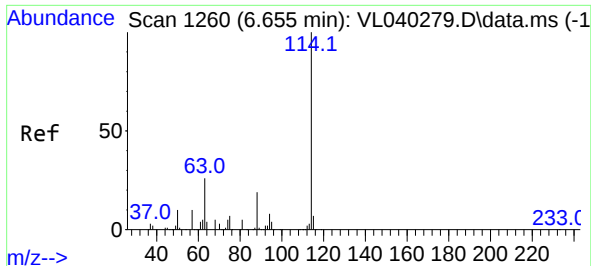
57 100

41 99.0 73.5 110.3

43 92.9 196.3 294.5#

56 58.6 43.8 65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.622 min Scan# 11

Delta R.T. -0.033 min

Lab File: VL040323.D

Acq: 10 Apr 2023 13:48

Instrument :

MSVOA_L

ClientSampleId :

AA-1DUP

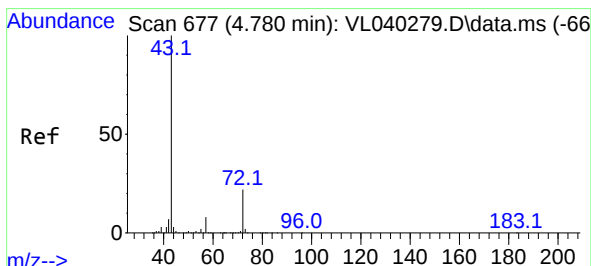
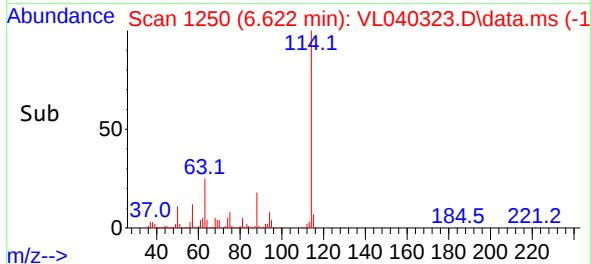
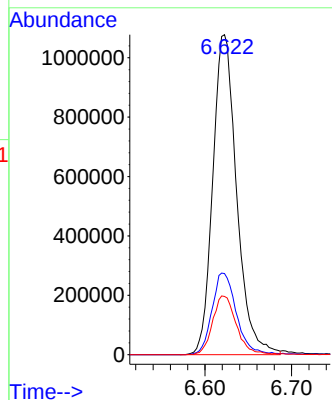
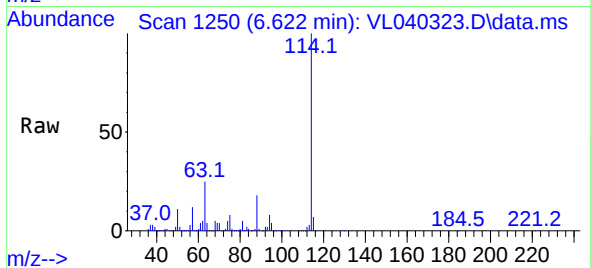
Tgt Ion:114 Resp: 2066625

Ion Ratio Lower Upper

114 100

63 26.5 21.2 31.8

88 18.4 14.5 21.7



#34

2-Butanone

Concen: 0.264 ppbv

RT: 4.764 min Scan# 672

Delta R.T. -0.016 min

Lab File: VL040323.D

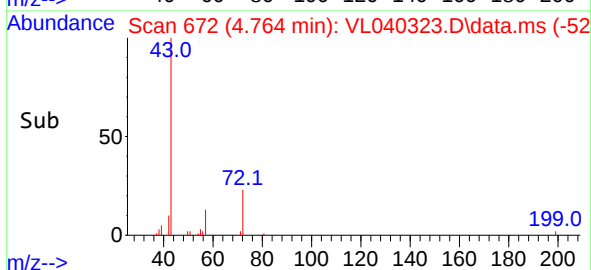
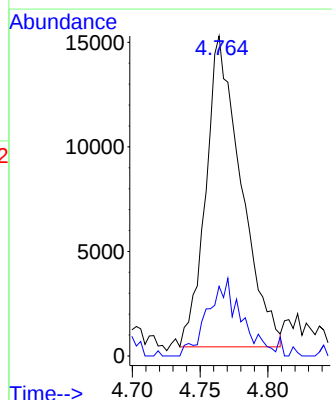
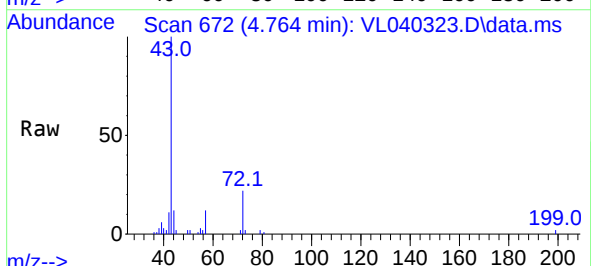
Acq: 10 Apr 2023 13:48

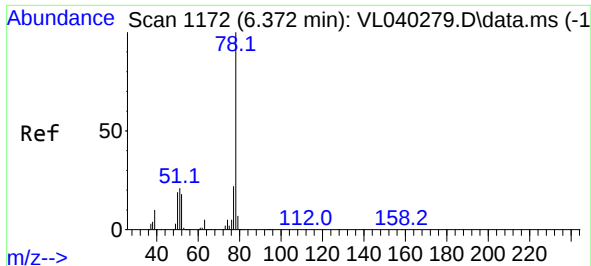
Tgt Ion: 43 Resp: 26946

Ion Ratio Lower Upper

43 100

72 25.3 18.3 27.5

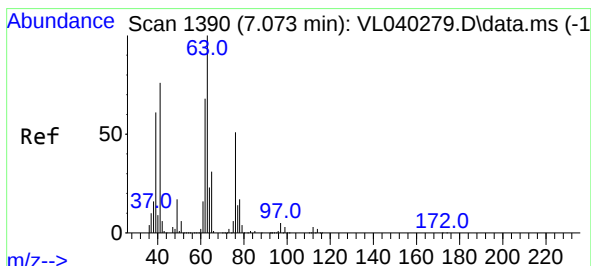
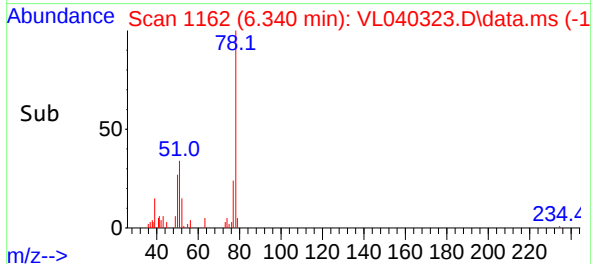
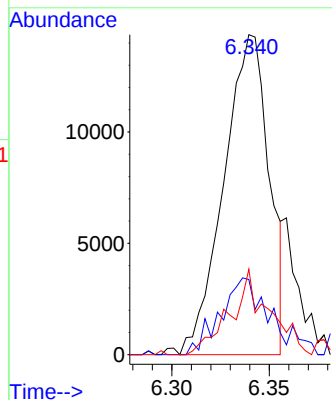
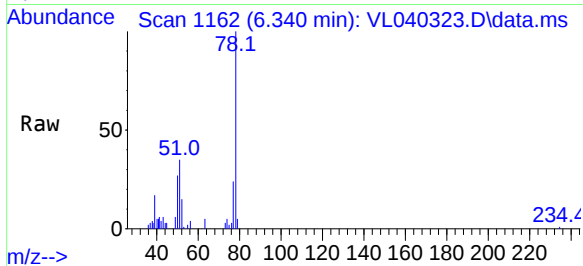




#36
Benzene
Concen: 0.148 ppbv
RT: 6.340 min Scan# 1172
Delta R.T. -0.032 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

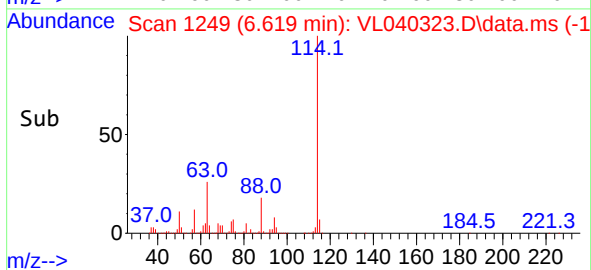
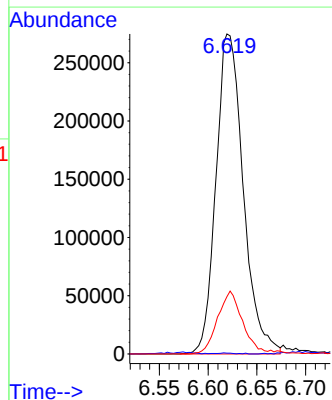
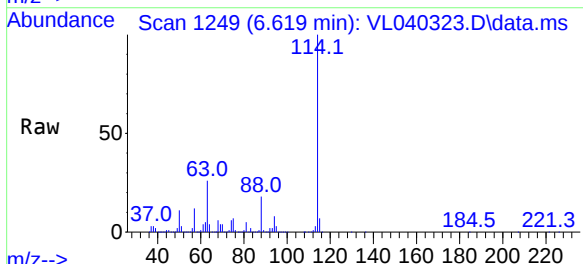
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

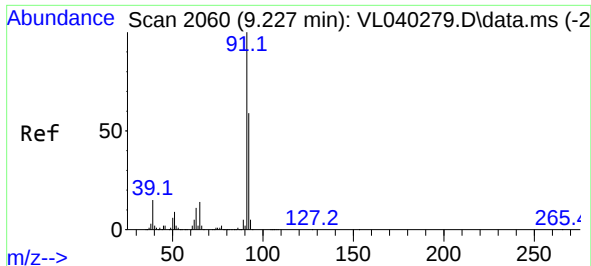
Tgt Ion: 78 Resp: 23284
Ion Ratio Lower Upper
78 100
77 23.5 17.8 26.8
50 26.7 15.4 23.2#



#39
1,2-Dichloropropane
Concen: 8.644 ppbv
RT: 6.619 min Scan# 1249
Delta R.T. -0.454 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 63 Resp: 534098
Ion Ratio Lower Upper
63 100
41 0.0 60.8 91.2#
62 17.9 54.1 81.1#

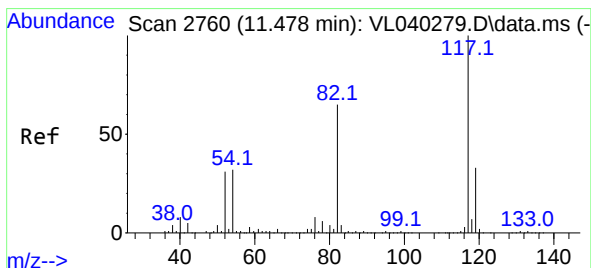
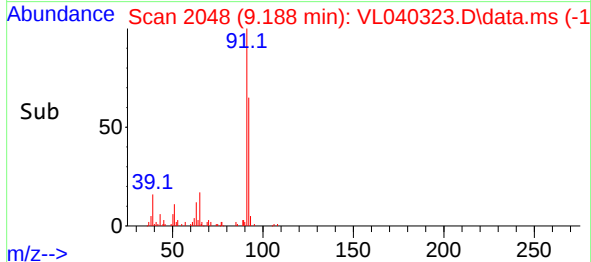
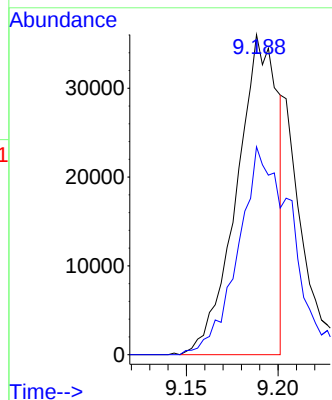
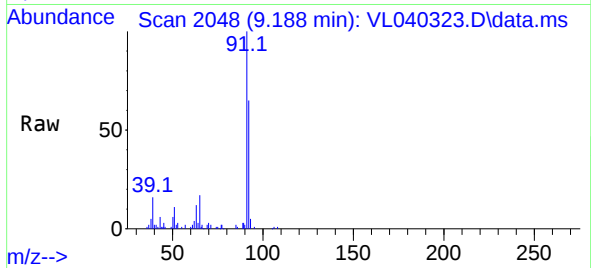




#53
Toluene
Concen: 0.339 ppbv
RT: 9.188 min Scan# 2060
Delta R.T. -0.039 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

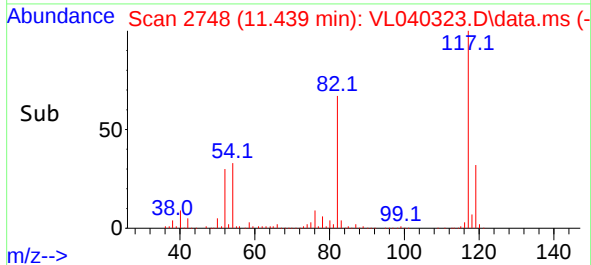
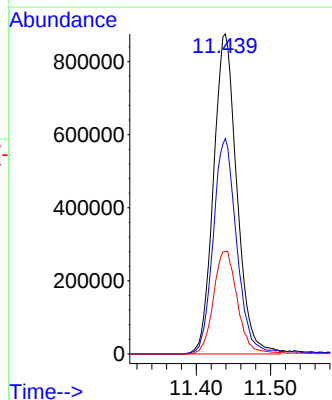
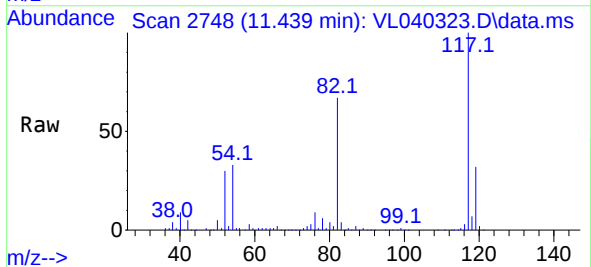
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

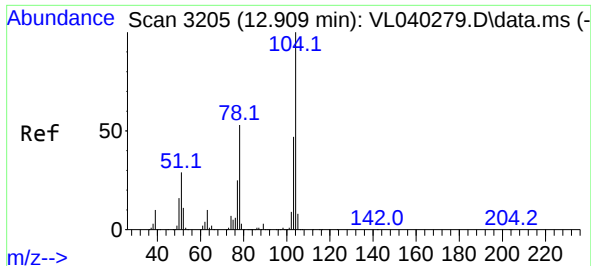
Tgt Ion: 91 Resp: 55955
Ion Ratio Lower Upper
91 100
92 87.1 48.0 72.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. -0.039 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 117 Resp: 1913918
Ion Ratio Lower Upper
117 100
82 68.4 51.4 77.2
119 33.2 24.0 36.0

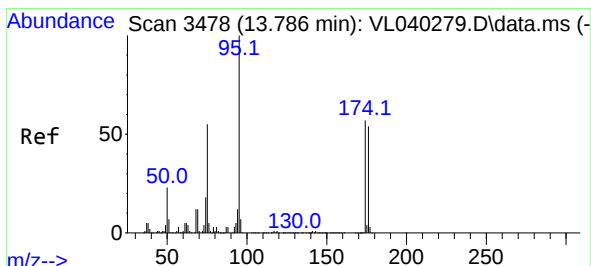
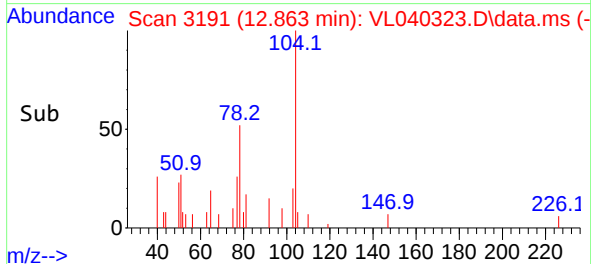
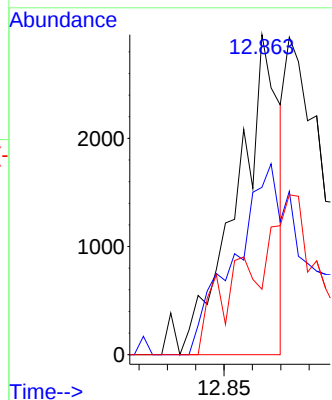
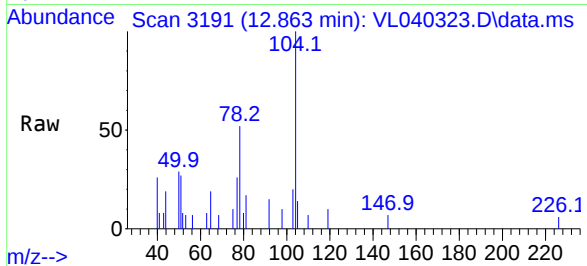




#61
Styrene
Concen: 0.032 ppbv
RT: 12.863 min Scan# 3191
Delta R.T. -0.046 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion:104 Resp: 3059
Ion Ratio Lower Upper
104 100
78 121.2 43.7 65.5#
103 0.0 37.4 56.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.011 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.035 min
Lab File: VL040323.D
Acq: 10 Apr 2023 13:48

Tgt Ion: 95 Resp: 1604514
Ion Ratio Lower Upper
95 100
174 58.8 47.0 70.6
175 4.1 3.4 5.2

