

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040547.D
 Acq On : 26 Jul 2023 19:09
 Operator : SY/MD
 Sample : 03695-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 01:51:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

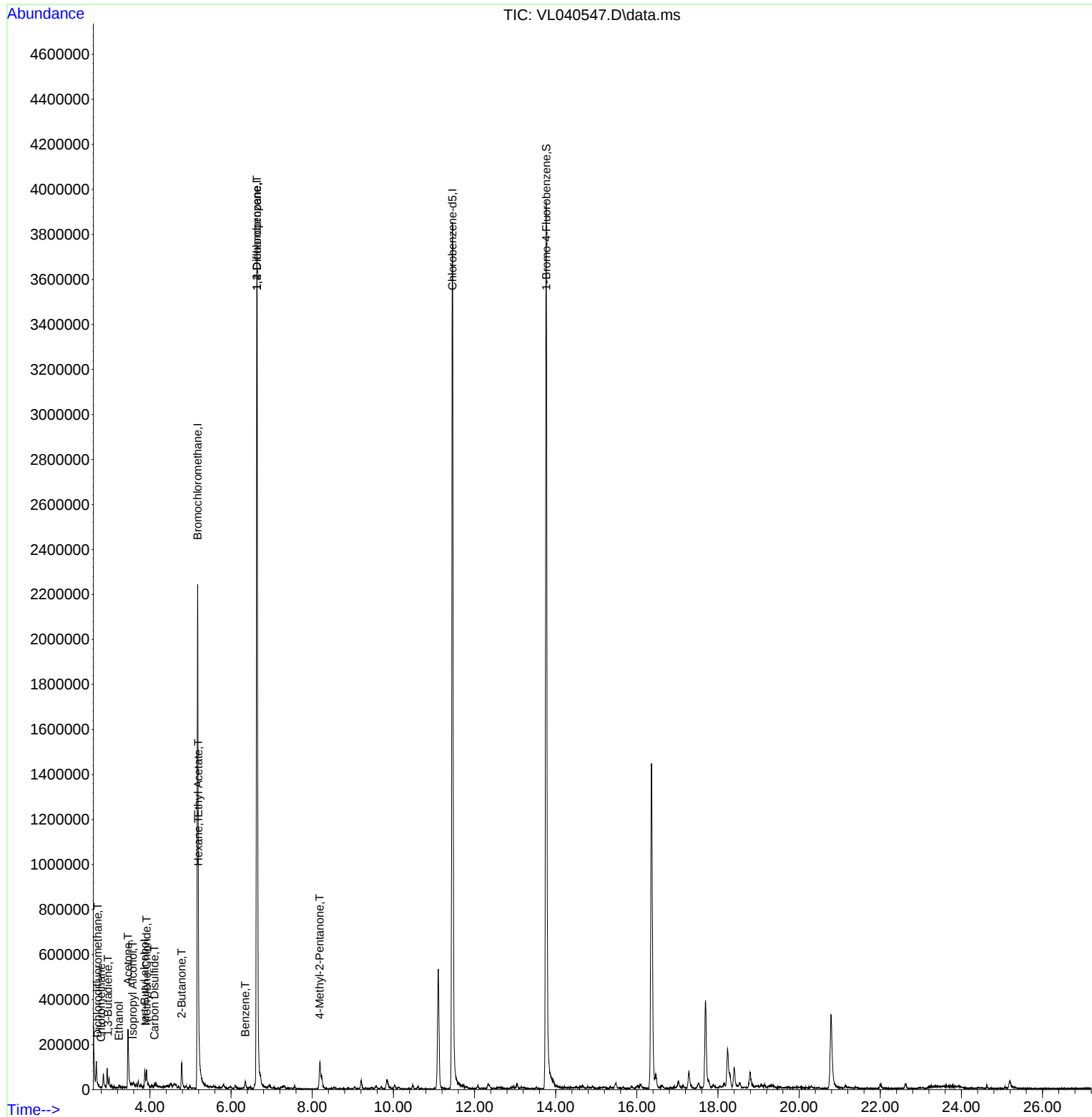
Internal Standards						
1) Bromochloromethane	5.176	49	1077791	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2827448	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	2521503	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1985444	9.949	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.709	85	7319	0.034	ppbv	95
4) Chloromethane	2.796	50	4159	0.061	ppbv #	82
13) Ethanol	3.237	45	7499	0.589	ppbv	81
15) Acetone	3.459	43	290276	2.340	ppbv	99
16) 1,3-Butadiene	2.963	39	5681	0.091	ppbv #	71
17) tert-Butyl alcohol	3.873	59	58378	0.455	ppbv #	94
19) Isopropyl Alcohol	3.574	45	12264	0.172	ppbv #	96
20) Methylene Chloride	3.918	84	24202	0.459	ppbv #	89
25) Ethyl Acetate	5.192	43	7302	0.031	ppbv #	73
26) Hexane	5.195	57	4859	0.044	ppbv #	1
27) Carbon Disulfide	4.108	76	4534	0.035	ppbv #	25
34) 2-Butanone	4.783	43	123936	0.887	ppbv	96
36) Benzene	6.349	78	12344	0.054	ppbv	96
39) 1,2-Dichloropropane	6.639	63	708875	8.094	ppbv #	27
50) 4-Methyl-2-Pentanone	8.185	43	54972	0.271	ppbv #	51

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

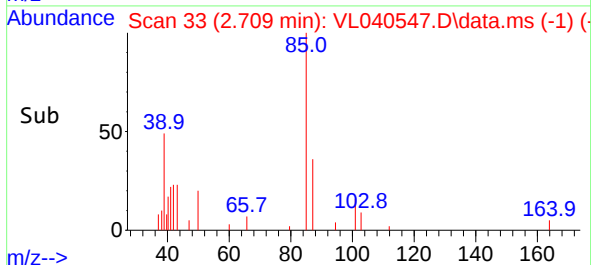
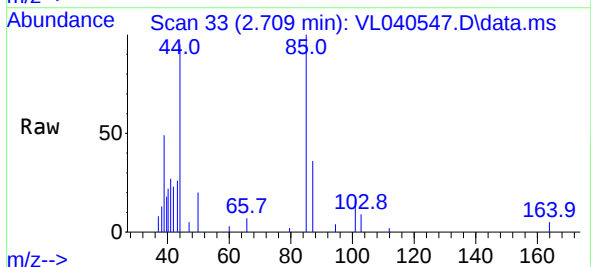
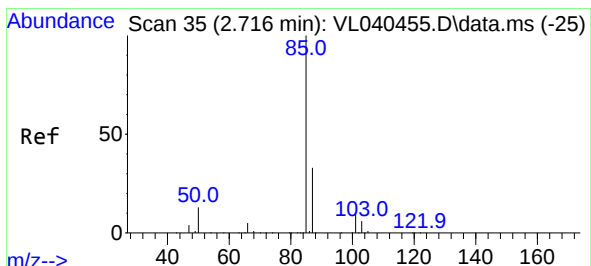
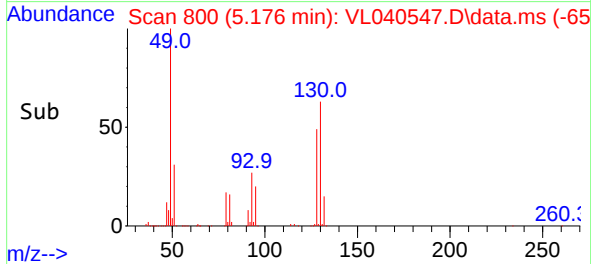
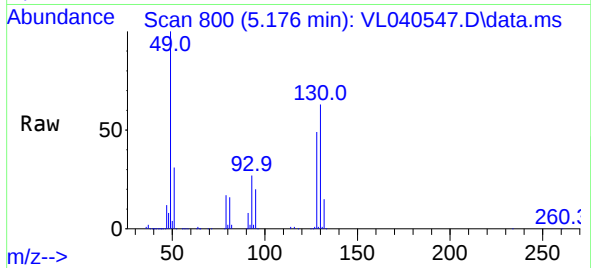
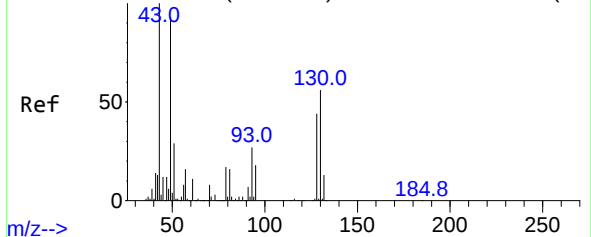
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
Data File : VL040547.D
Acq On : 26 Jul 2023 19:09
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Misc : 400mL/MSVOA_L
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Instrument :
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Quant Time: Jul 27 01:51:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration



Abundance Scan 804 (5.189 min): VL040455.D\data.ms (-78



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.176 min Scan# 80

Delta R.T. -0.026 min

Lab File: VL040547.D

Acq: 26 Jul 2023 19:09

Instrument :

MSVOA_L

ClientSampleId :

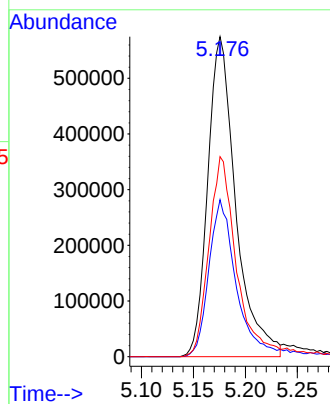
Tgt Ion: 49 Resp: 1077791

Ion Ratio Lower Upper

49 100

128 50.5 25.1 75.4

130 65.0 31.6 94.7



#2

Dichlorodifluoromethane

Concen: 0.034 ppbv

RT: 2.709 min Scan# 33

Delta R.T. -0.029 min

Lab File: VL040547.D

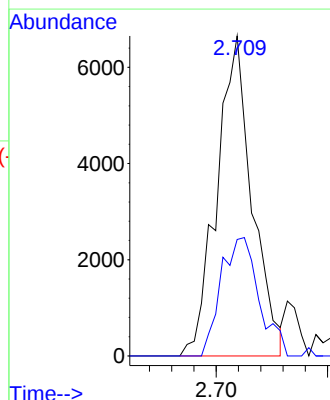
Acq: 26 Jul 2023 19:09

Tgt Ion: 85 Resp: 7319

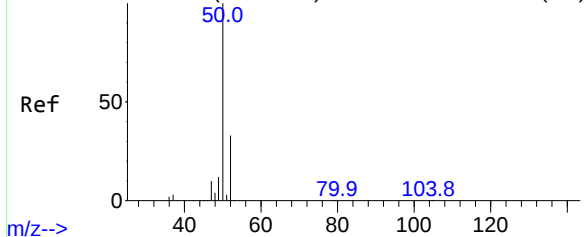
Ion Ratio Lower Upper

85 100

87 36.4 26.8 40.2



Abundance Scan 61 (2.800 min): VL040455.D\data.ms (-52)

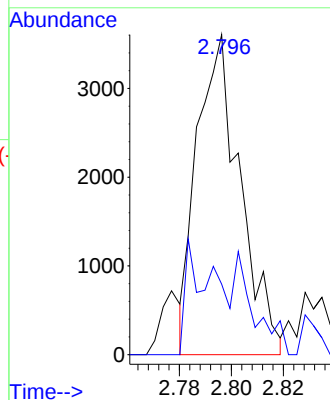
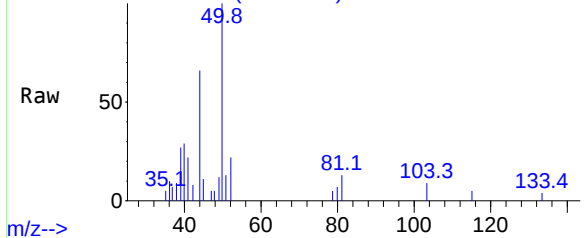


#4
Chloromethane
Concen: 0.061 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.026 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

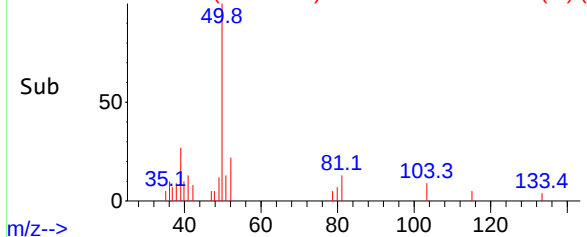
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 4159
Ion Ratio Lower Upper
50 100
52 20.5 24.4 36.6#

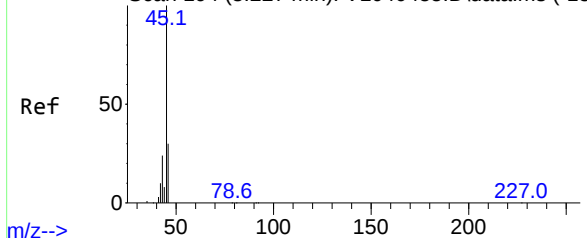
Abundance Scan 60 (2.796 min): VL040547.D\data.ms



Abundance Scan 60 (2.796 min): VL040547.D\data.ms (-1)



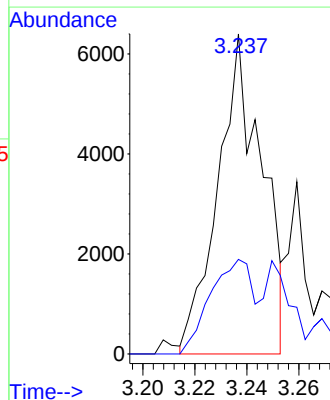
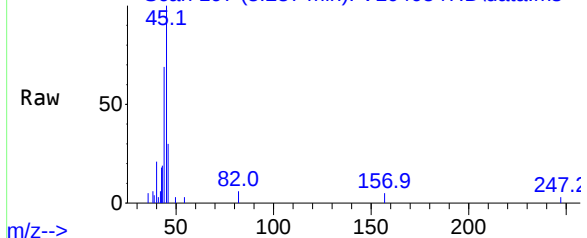
Abundance Scan 194 (3.227 min): VL040455.D\data.ms (-18)



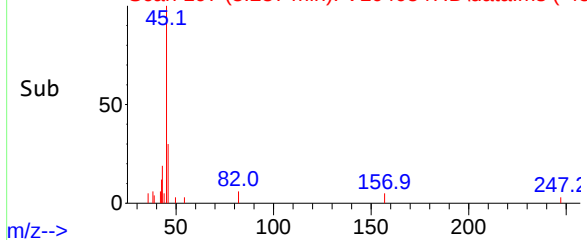
#13
Ethanol
Concen: 0.589 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.010 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

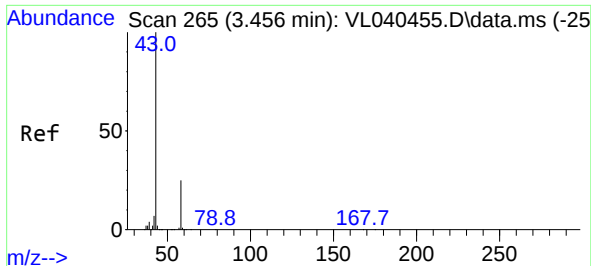
Tgt Ion: 45 Resp: 7499
Ion Ratio Lower Upper
45 100
46 50.0 15.3 61.1

Abundance Scan 197 (3.237 min): VL040547.D\data.ms



Abundance Scan 197 (3.237 min): VL040547.D\data.ms (-45)

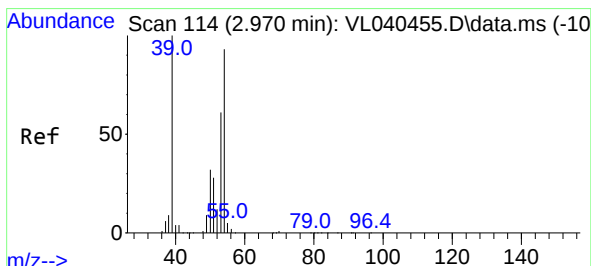
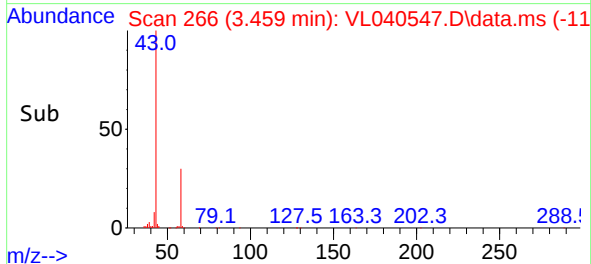
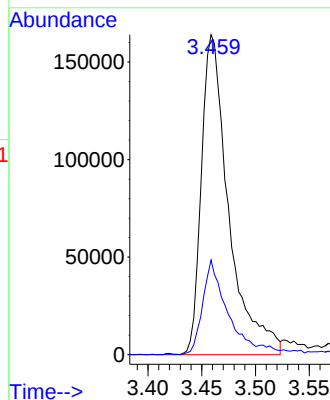
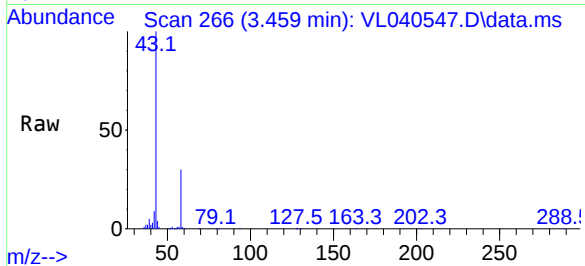




#15
Acetone
Concen: 2.340 ppbv
RT: 3.459 min Scan# 20
Delta R.T. -0.016 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

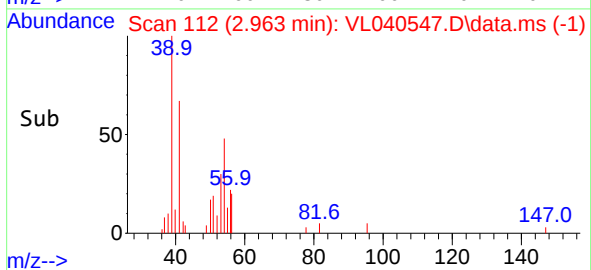
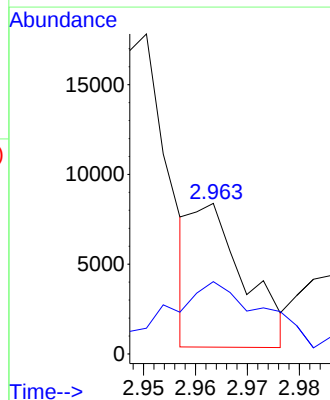
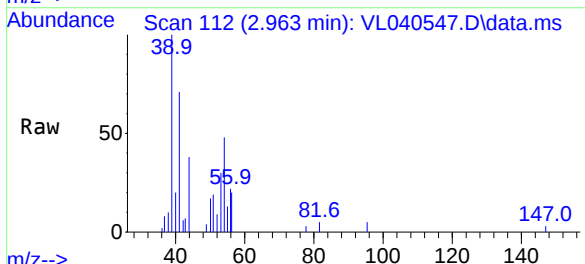
Instrument :
MSVOA_L
ClientSampleId :

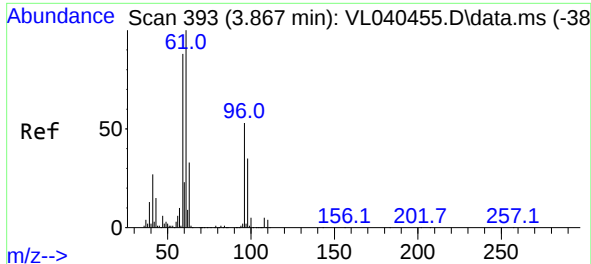
Tgt Ion: 43 Resp: 290276
Ion Ratio Lower Upper
43 100
58 28.9 22.9 34.3



#16
1,3-Butadiene
Concen: 0.091 ppbv
RT: 2.963 min Scan# 112
Delta R.T. -0.029 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

Tgt Ion: 39 Resp: 5681
Ion Ratio Lower Upper
39 100
54 109.6 66.6 100.0#





#17

tert-Butyl alcohol

Concen: 0.455 ppbv

RT: 3.873 min Scan# 393

Delta R.T. -0.010 min

Lab File: VL040547.D

Acq: 26 Jul 2023 19:09

Instrument :

MSVOA_L

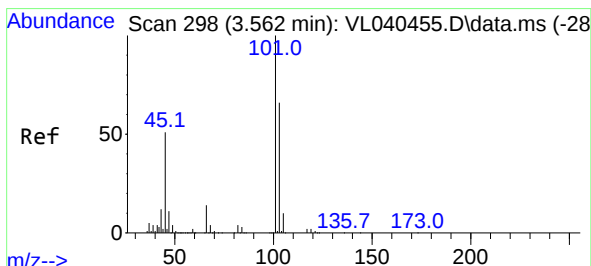
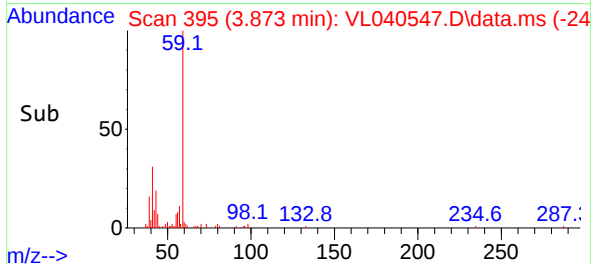
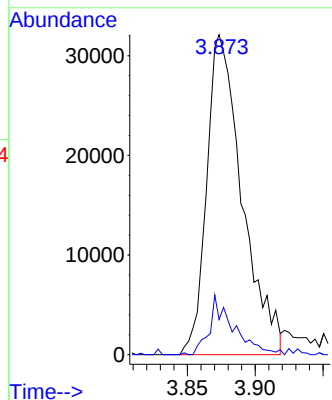
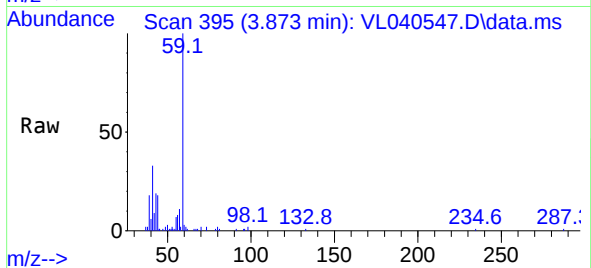
ClientSampleId :

Tgt Ion: 59 Resp: 58378

Ion Ratio Lower Upper

59 100

57 13.3 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 0.172 ppbv

RT: 3.574 min Scan# 302

Delta R.T. -0.007 min

Lab File: VL040547.D

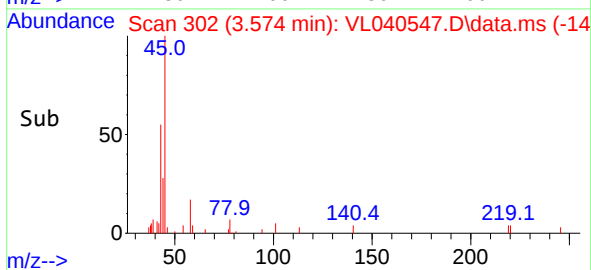
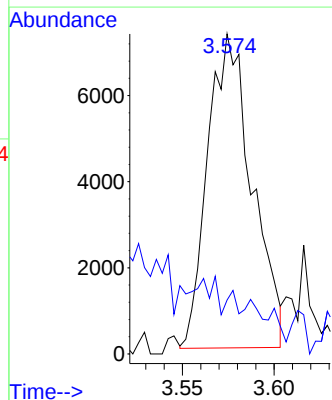
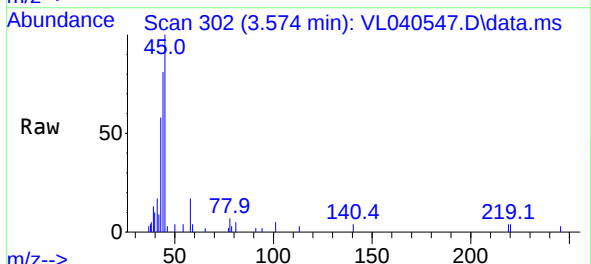
Acq: 26 Jul 2023 19:09

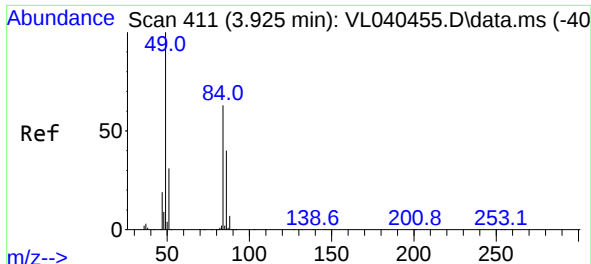
Tgt Ion: 45 Resp: 12264

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#



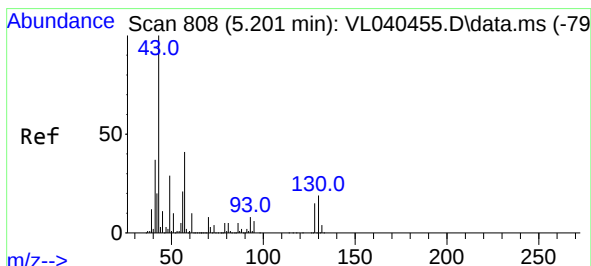
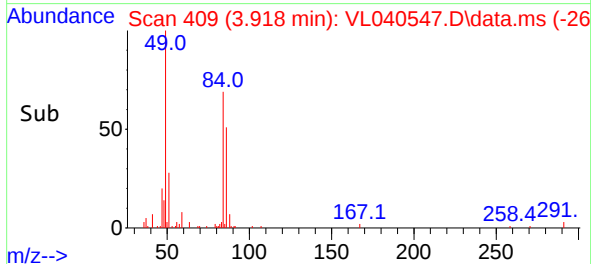
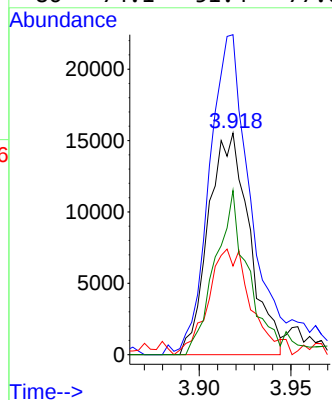
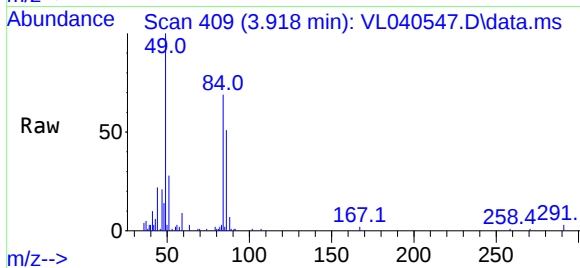


#20
Methylene Chloride
Concen: 0.459 ppbv
RT: 3.918 min Scan# 409
Delta R.T. -0.023 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 24202

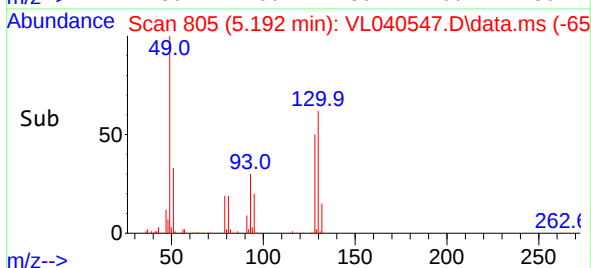
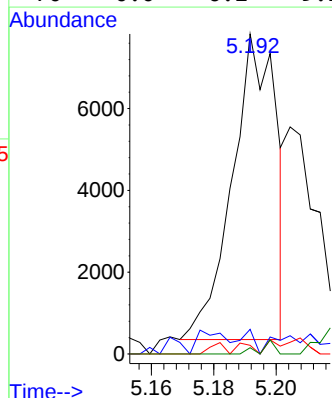
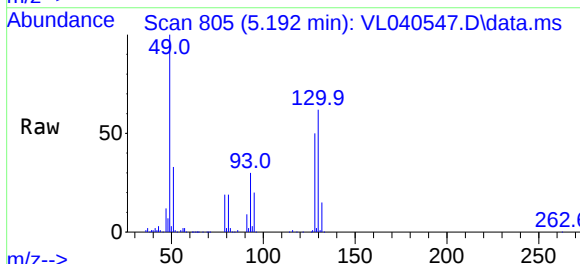
Ion	Ratio	Lower	Upper
84	100		
49	141.7	123.4	185.2
51	37.9	38.3	57.5#
86	74.1	51.4	77.0

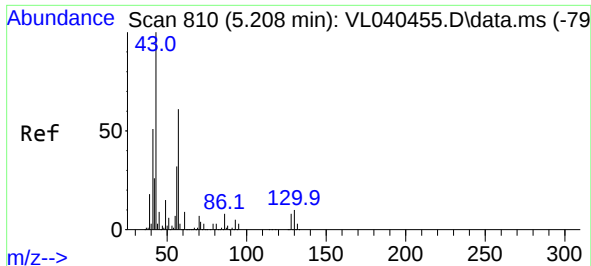


#25
Ethyl Acetate
Concen: 0.031 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.020 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

Tgt Ion: 43 Resp: 7302

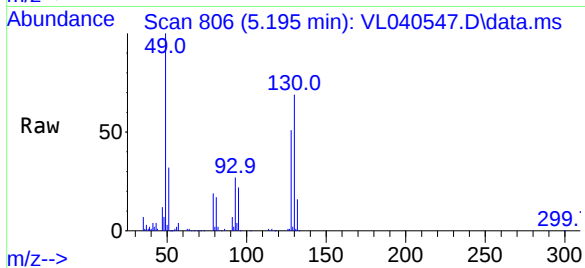
Ion	Ratio	Lower	Upper
43	100		
45	21.7	8.2	12.4#
61	0.0	8.3	12.5#
70	0.0	6.2	9.2#



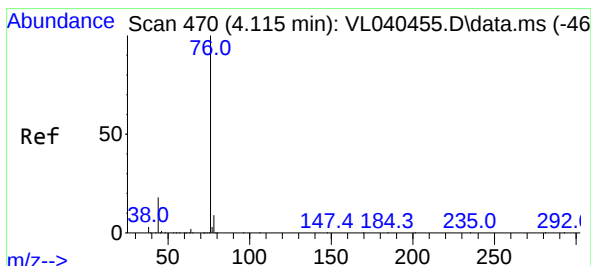
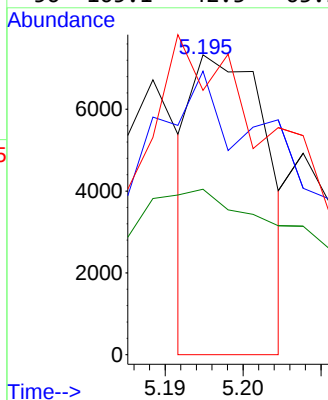
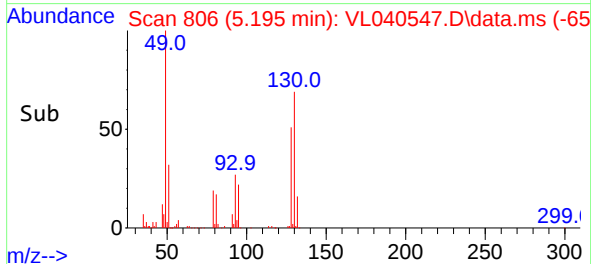


#26
Hexane
Concen: 0.044 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

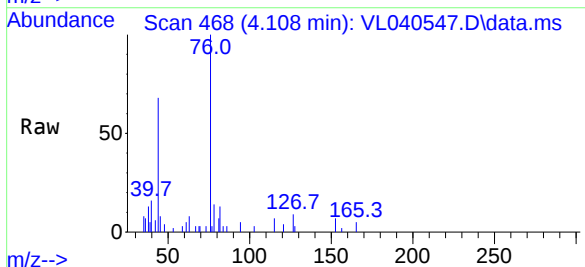
Instrument :
MSVOA_L
ClientSampleId :



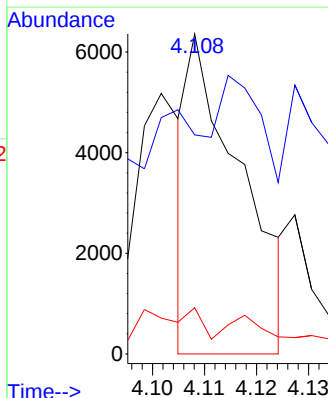
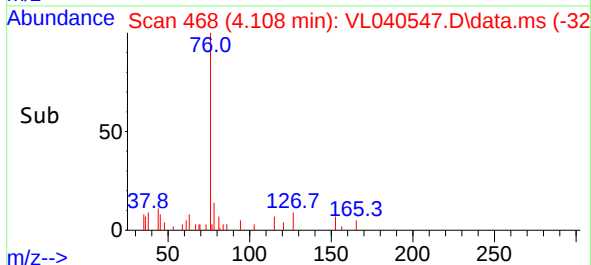
Tgt Ion: 57 Resp: 4859
Ion Ratio Lower Upper
57 100
41 298.0 69.5 104.3#
43 299.3 177.1 265.7#
56 165.1 42.3 63.5#

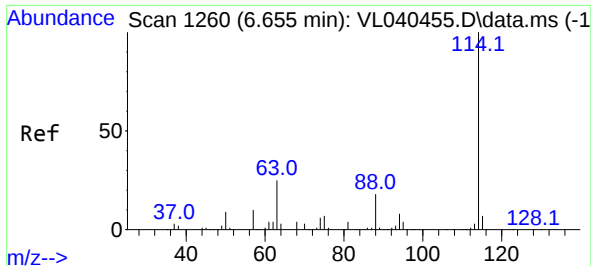


#27
Carbon Disulfide
Concen: 0.035 ppbv
RT: 4.108 min Scan# 468
Delta R.T. -0.023 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09



Tgt Ion: 76 Resp: 4534
Ion Ratio Lower Upper
76 100
44 52.0 15.1 22.7#
78 37.8 7.5 11.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040547.D

Acq: 26 Jul 2023 19:09

Instrument :

MSVOA_L

ClientSampleId :

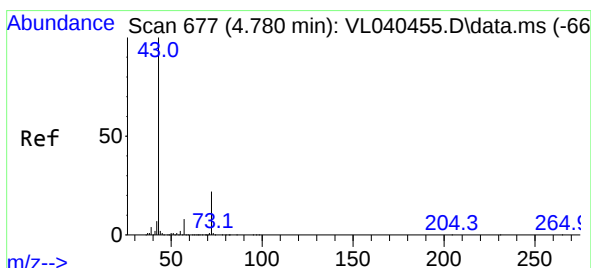
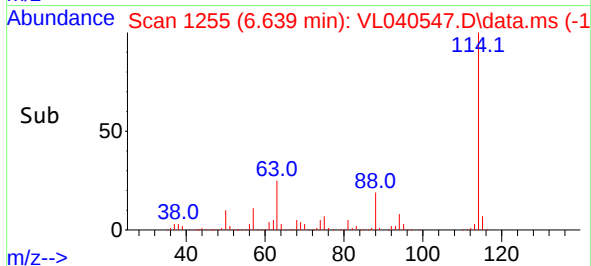
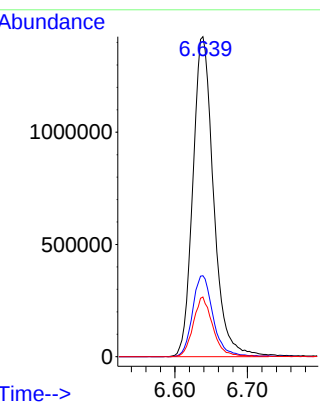
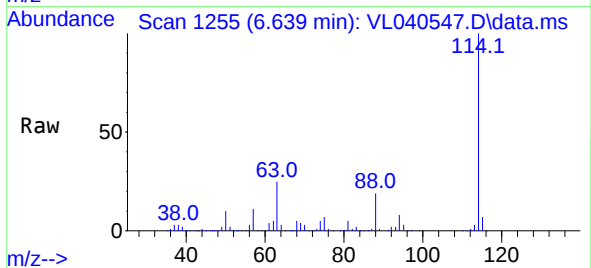
Tgt Ion:114 Resp: 2827448

Ion Ratio Lower Upper

114 100

63 25.6 19.6 29.4

88 17.8 14.2 21.2



#34

2-Butanone

Concen: 0.887 ppbv

RT: 4.783 min Scan# 678

Delta R.T. -0.010 min

Lab File: VL040547.D

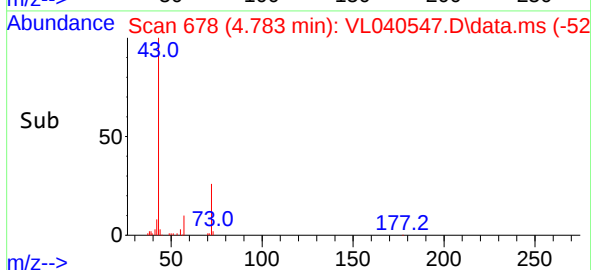
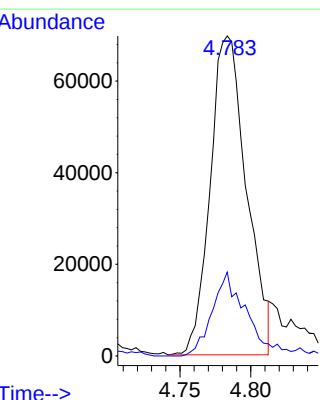
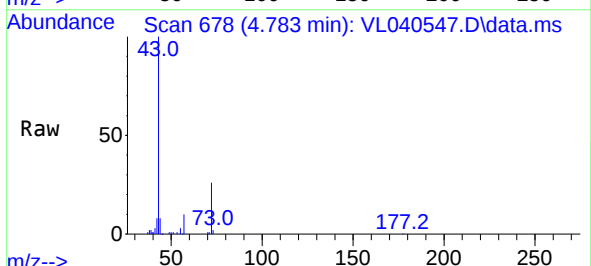
Acq: 26 Jul 2023 19:09

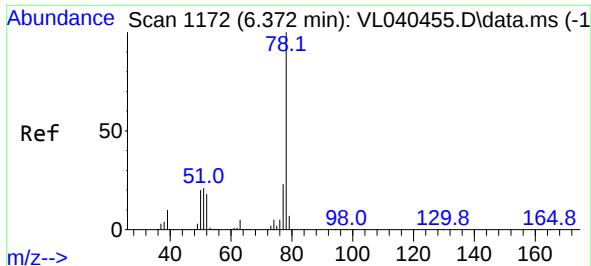
Tgt Ion: 43 Resp: 123936

Ion Ratio Lower Upper

43 100

72 25.7 19.1 28.7

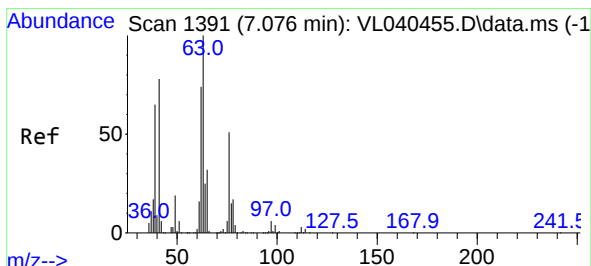
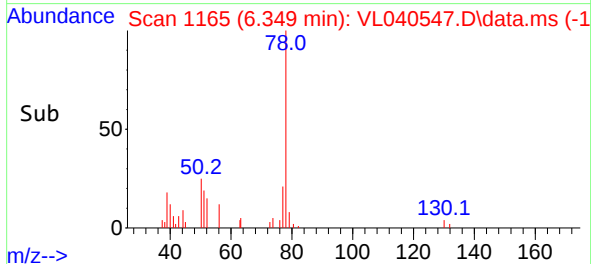
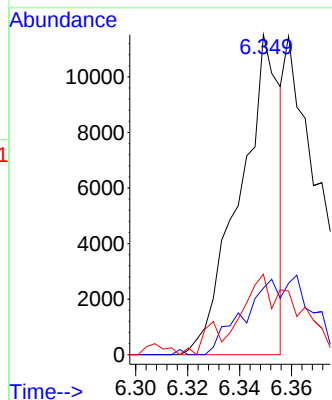
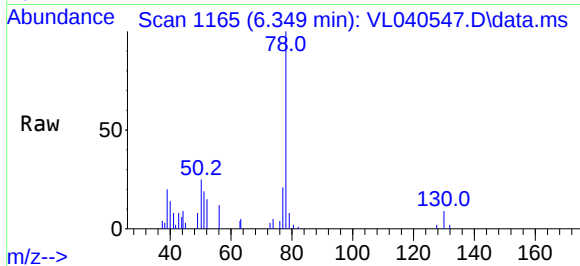




#36
Benzene
Concen: 0.054 ppbv
RT: 6.349 min Scan# 1172
Delta R.T. -0.032 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

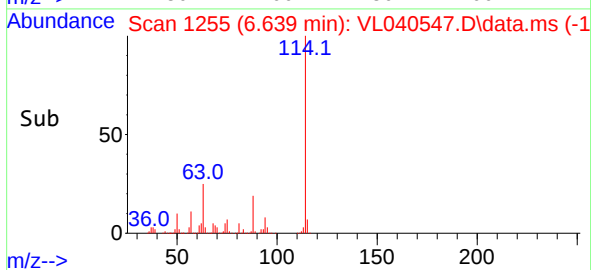
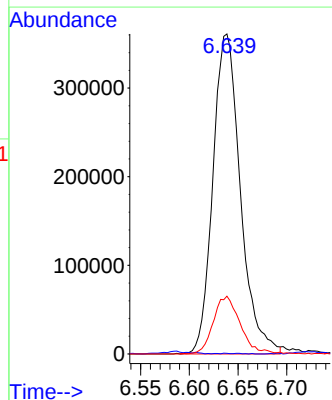
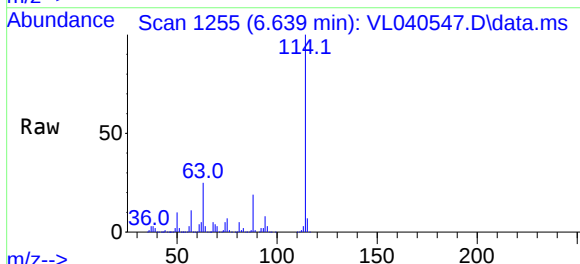
Instrument :
MSVOA_L
ClientSampleId :

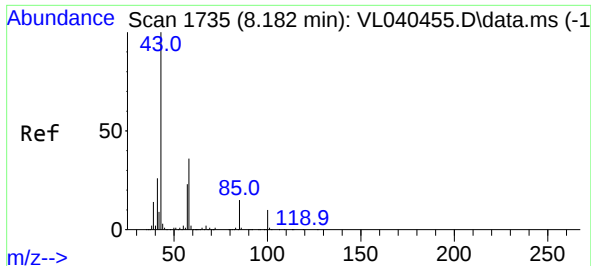
Tgt Ion: 78 Resp: 12344
Ion Ratio Lower Upper
78 100
77 19.2 17.4 26.0
50 19.5 14.4 21.6



#39
1,2-Dichloropropane
Concen: 8.094 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.444 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

Tgt Ion: 63 Resp: 708875
Ion Ratio Lower Upper
63 100
41 0.0 54.3 81.5#
62 18.1 55.6 83.4#

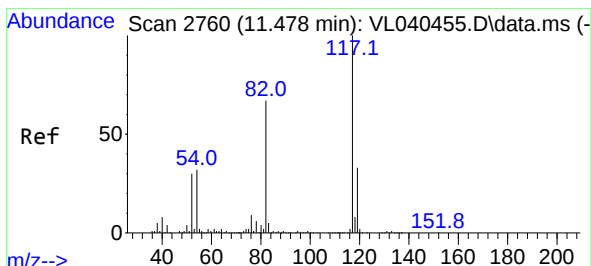
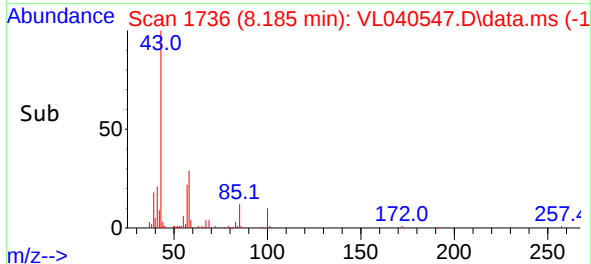
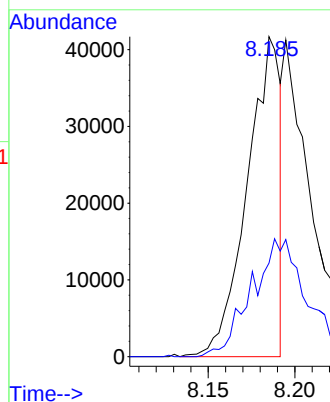
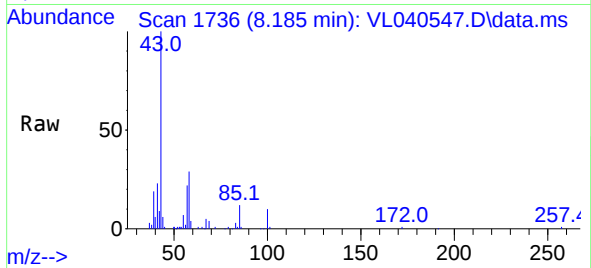




#50
4-Methyl-2-Pentanone
Concen: 0.271 ppbv
RT: 8.185 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

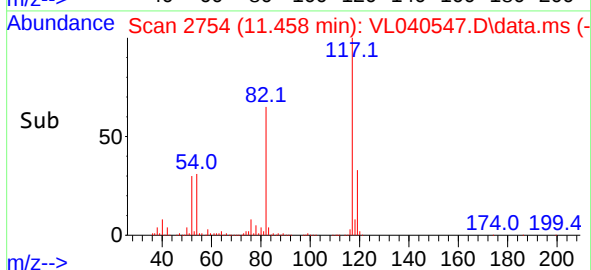
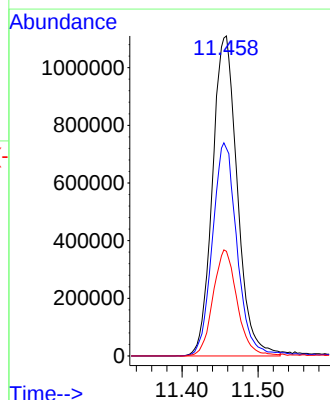
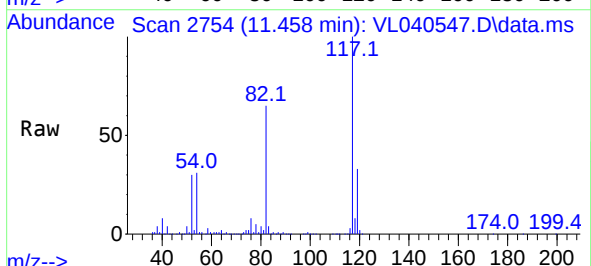
Instrument :
MSVOA_L
ClientSampleId :

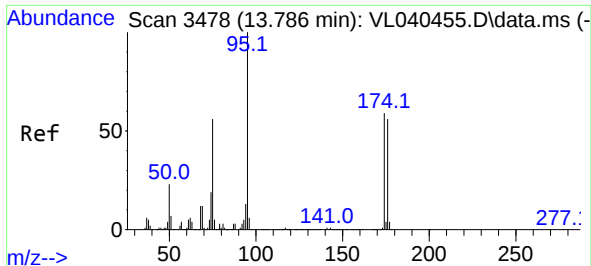
Tgt Ion: 43 Resp: 54972
Ion Ratio Lower Upper
43 100
58 67.4 30.2 45.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.020 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

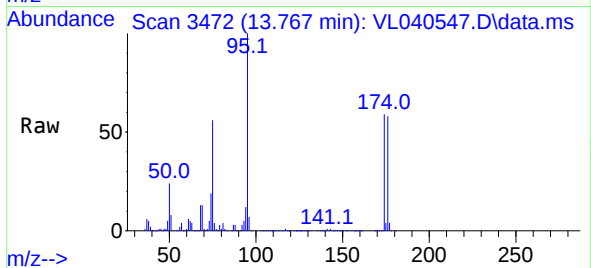
Tgt Ion: 117 Resp: 2521503
Ion Ratio Lower Upper
117 100
82 66.9 50.2 75.4
119 32.9 26.9 40.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.949 ppbv
RT: 13.767 min Scan# 34
Delta R.T. -0.016 min
Lab File: VL040547.D
Acq: 26 Jul 2023 19:09

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 95 Resp: 1985444
Ion Ratio Lower Upper
95 100
174 60.5 50.6 75.8
175 4.3 3.7 5.5

