

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040427.D
 Acq On : 12 May 2023 21:35
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: May 15 00:49:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

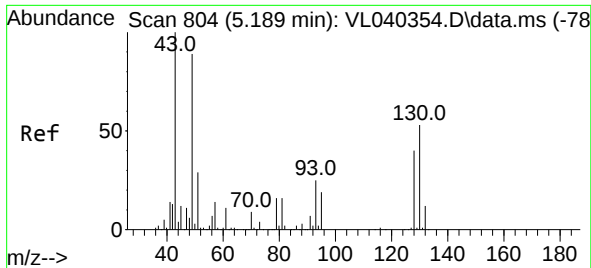
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.179	49	1028509	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2870845	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.461	117	2461740	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1906289	9.364	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.838	85	5846	0.032	ppbv	90
3) Chlorodifluoromethane	2.655	51	4784	0.036	ppbv #	91
4) Chloromethane	2.790	50	4728	0.056	ppbv	90
6) Bromomethane	3.105	94	916	0.040	ppbv	94
7) Chloroethane	3.179	64	1029	0.039	ppbv #	40
8) Dichlorotetrafluoroethane	2.838	85	5846	0.032	ppbv	90
9) Propene	2.677	41	6580	0.124	ppbv #	14
11) Trichlorofluoromethane	3.542	101	5819	0.031	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.047	101	4182	0.032	ppbv	85
13) Ethanol	3.234	45	665	0.150	ppbv #	37
15) Acetone	3.471	43	33953	0.233	ppbv #	78
16) 1,3-Butadiene	2.967	39	2016	0.033	ppbv #	69
20) Methylene Chloride	3.915	84	13079	0.225	ppbv #	88
23) Vinyl Acetate	4.619	43	2807	0.076	ppbv #	84
25) Ethyl Acetate	5.205	43	9931	0.041	ppbv #	87
26) Hexane	5.198	57	7221	0.070	ppbv #	72
39) 1,2-Dichloropropane	6.642	63	692710	7.516	ppbv #	24

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

Quant Time: May 15 00:49:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

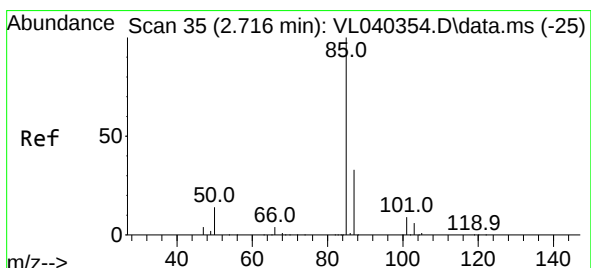
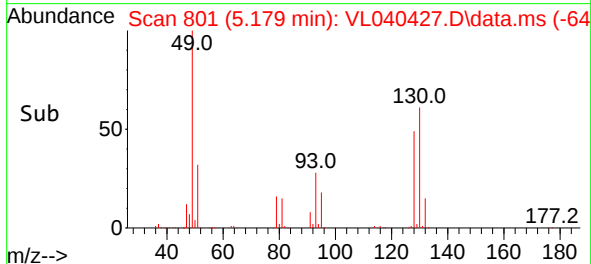
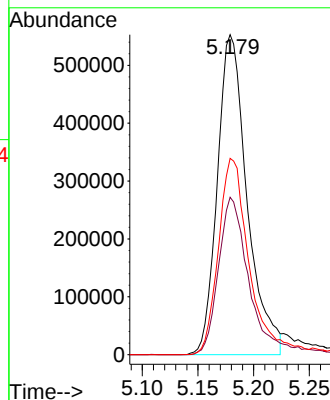
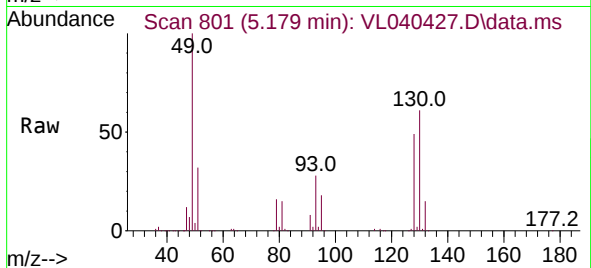




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

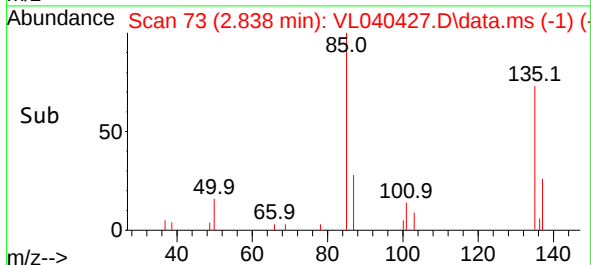
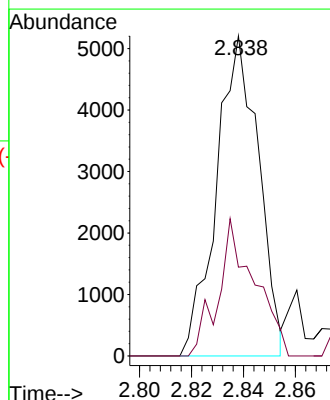
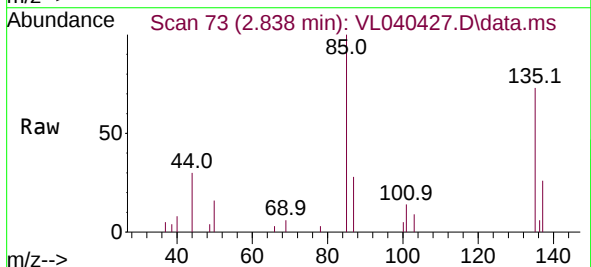
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

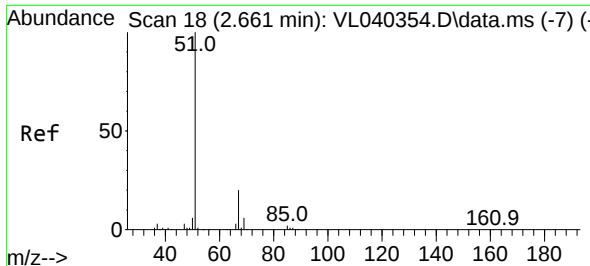
Tgt Ion: 49 Resp: 1028509
Ion Ratio Lower Upper
49 100
128 53.2 23.7 71.1
130 65.9 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.032 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.122 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

Tgt Ion: 85 Resp: 5846
Ion Ratio Lower Upper
85 100
87 27.7 26.6 40.0

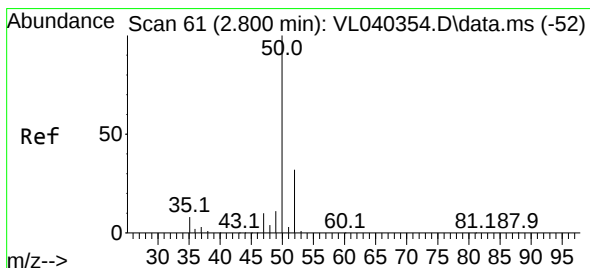
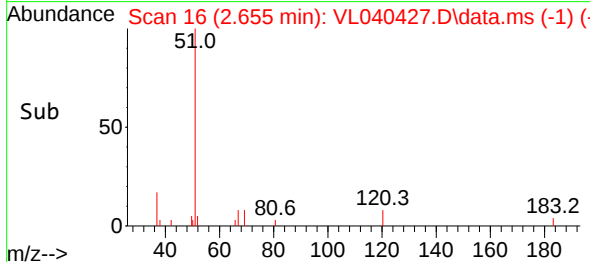
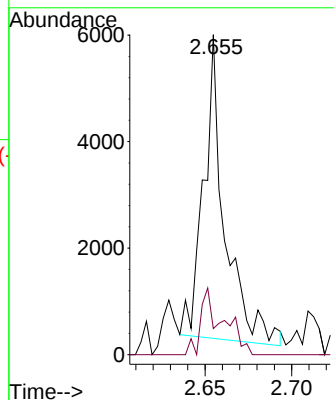
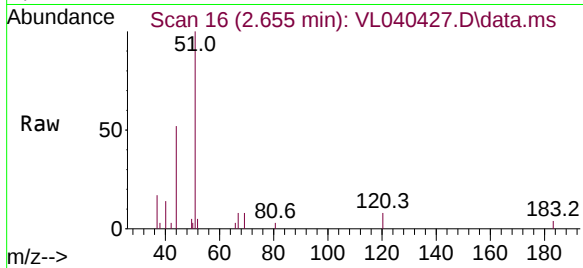




#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 2.655 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

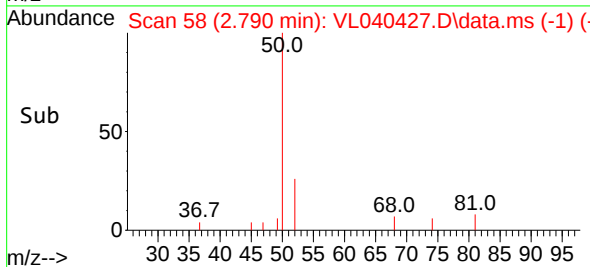
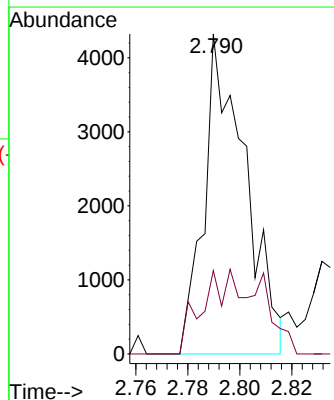
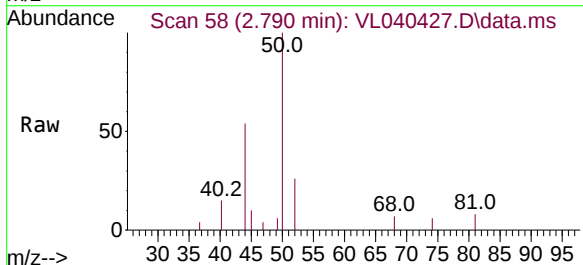
Instrument :
MSVOA_L
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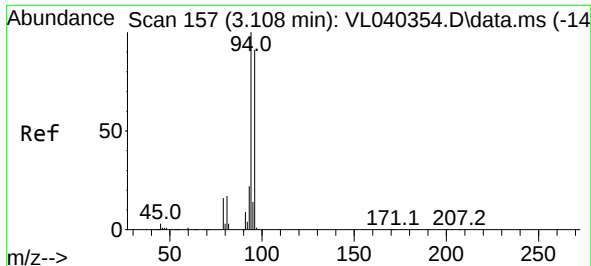
Tgt Ion: 51 Resp: 4784
Ion Ratio Lower Upper
51 100
67 23.5 15.5 23.3#



#4
Chloromethane
Concen: 0.056 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.010 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

Tgt Ion: 50 Resp: 4728
Ion Ratio Lower Upper
50 100
52 26.1 25.3 37.9

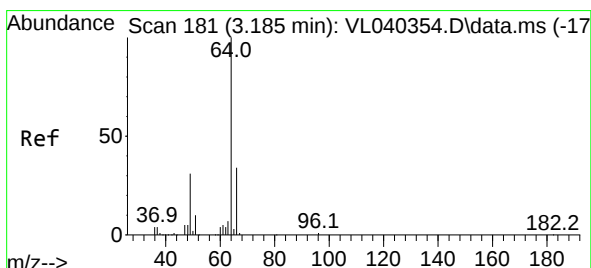
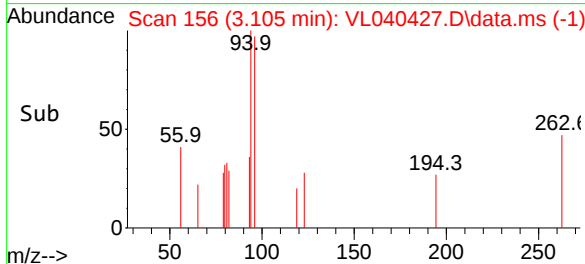
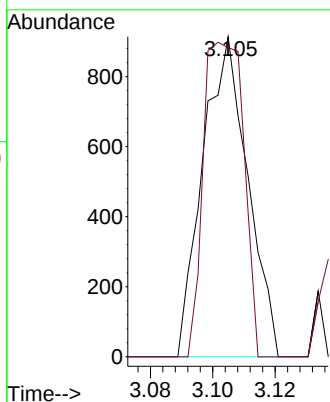
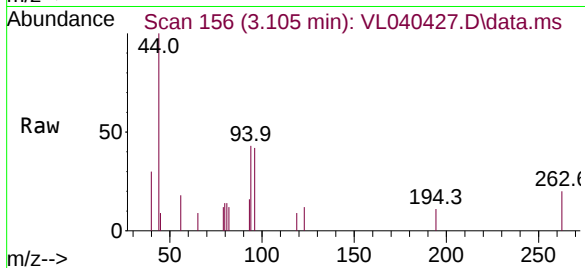




#6
Bromomethane
Concen: 0.040 ppbv
RT: 3.105 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

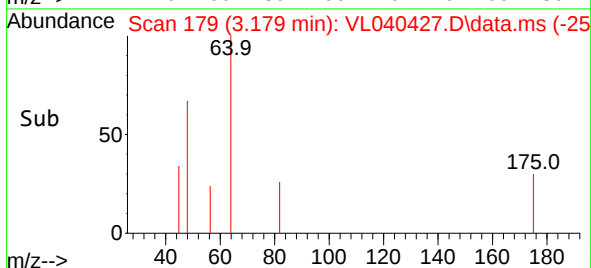
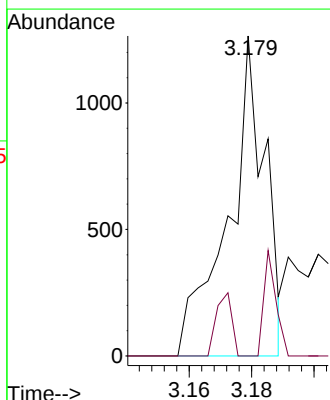
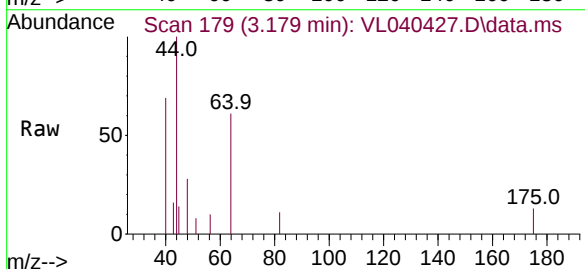
Instrument :
MSVOA_L
ClientSampleId :
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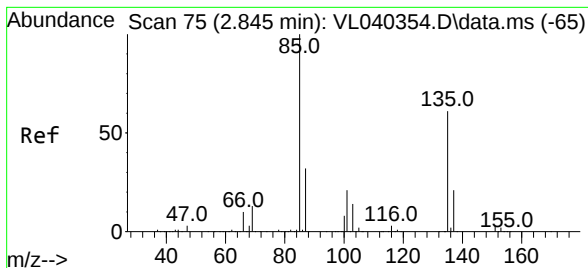
Tgt Ion: 94 Resp: 916
Ion Ratio Lower Upper
94 100
96 96.6 72.6 108.8



#7
Chloroethane
Concen: 0.039 ppbv
RT: 3.179 min Scan# 179
Delta R.T. -0.006 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

Tgt Ion: 64 Resp: 1029
Ion Ratio Lower Upper
64 100
66 0.0 27.5 41.3#

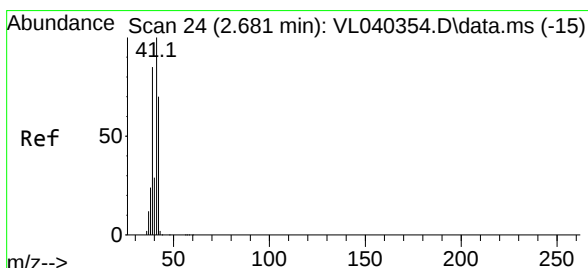
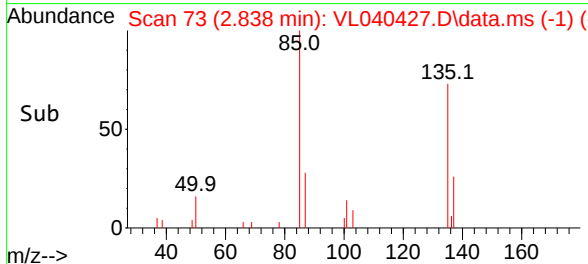
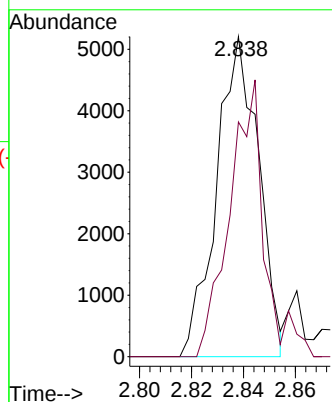
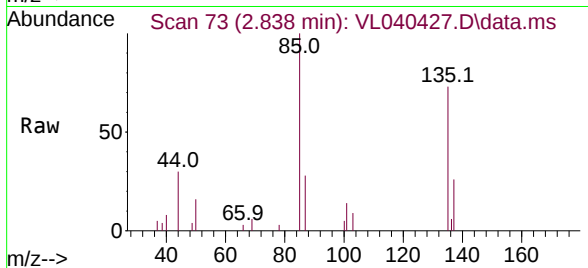




#8
 Dichlorotetrafluoroethane
 Concen: 0.032 ppbv
 RT: 2.838 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: VL040427.D
 Acq: 12 May 2023 21:35

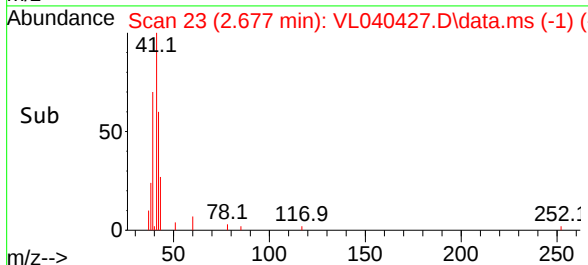
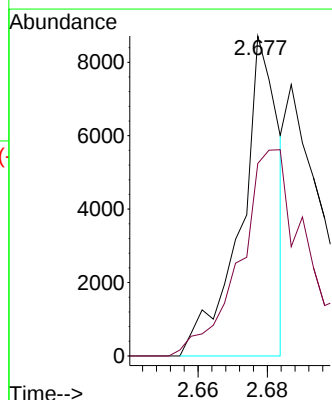
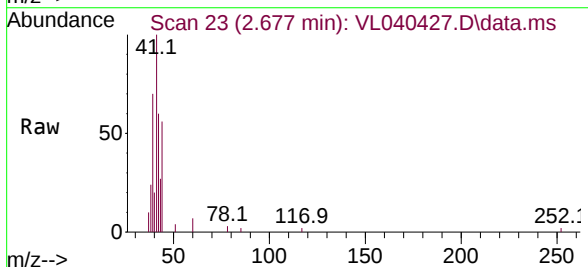
Instrument :
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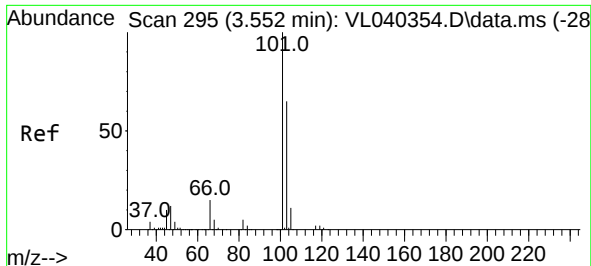
Tgt Ion: 85 Resp: 5846
 Ion Ratio Lower Upper
 85 100
 135 70.9 50.7 76.1



#9
 Propene
 Concen: 0.124 ppbv
 RT: 2.677 min Scan# 23
 Delta R.T. -0.004 min
 Lab File: VL040427.D
 Acq: 12 May 2023 21:35

Tgt Ion: 41 Resp: 6580
 Ion Ratio Lower Upper
 41 100
 42 0.0 56.5 84.7#

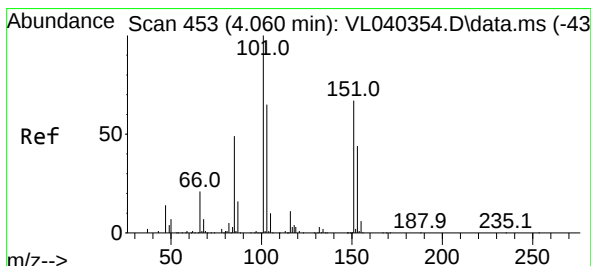
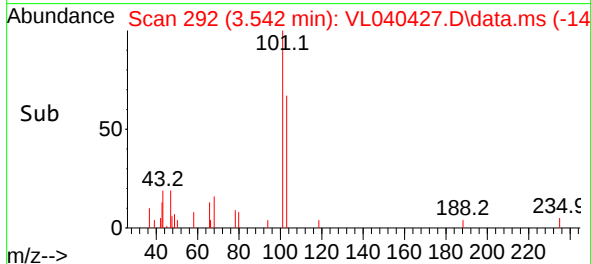
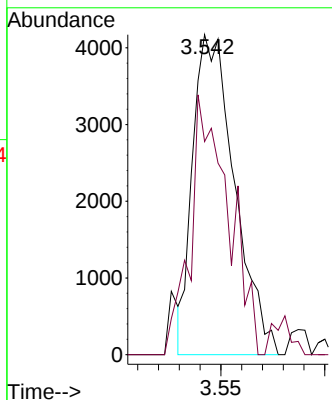
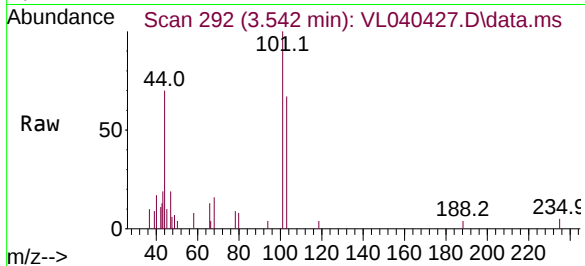




#11
 Trichlorofluoromethane
 Concen: 0.031 ppbv
 RT: 3.542 min Scan# 295
 Delta R.T. -0.010 min
 Lab File: VL040427.D
 Acq: 12 May 2023 21:35

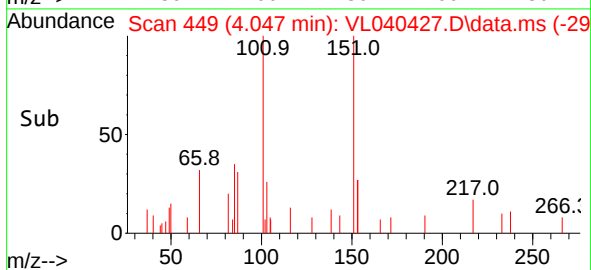
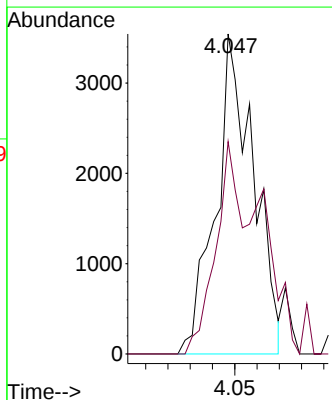
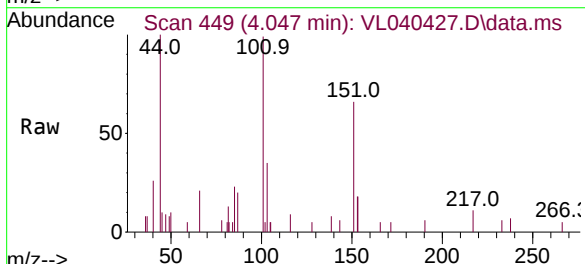
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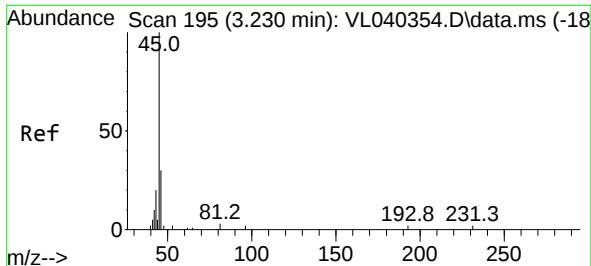
Tgt Ion:101 Resp: 5819
 Ion Ratio Lower Upper
 101 100
 103 59.0 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.032 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. -0.013 min
 Lab File: VL040427.D
 Acq: 12 May 2023 21:35

Tgt Ion:101 Resp: 4182
 Ion Ratio Lower Upper
 101 100
 151 80.2 54.7 82.1

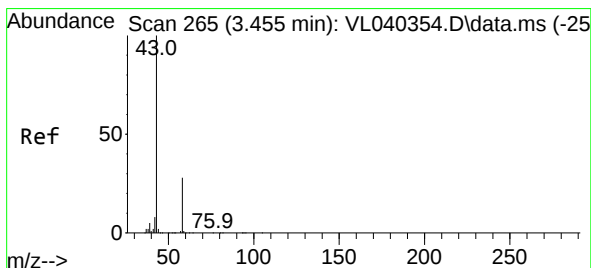
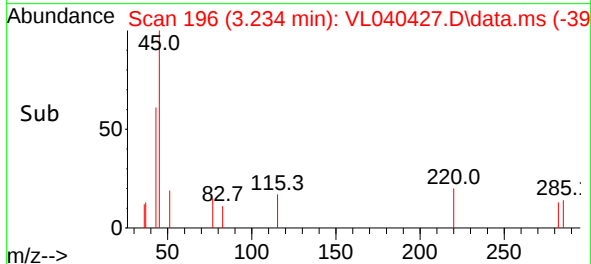
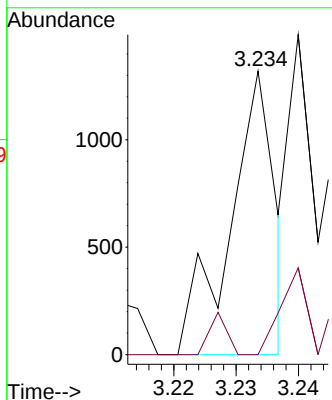
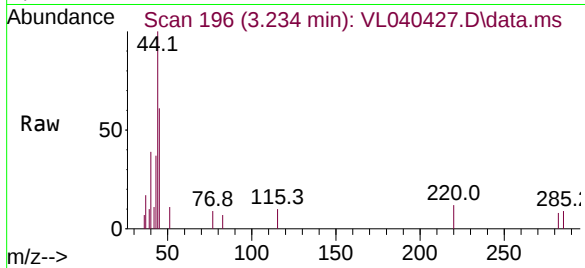




#13
Ethanol
Concen: 0.150 ppbv
RT: 3.234 min Scan# 195
Delta R.T. 0.004 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

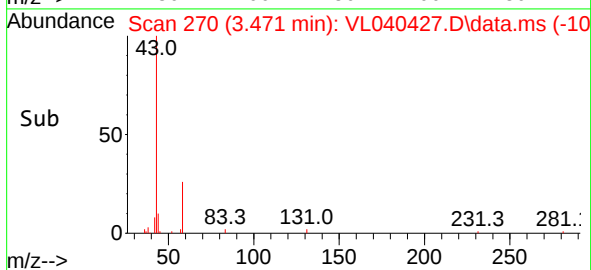
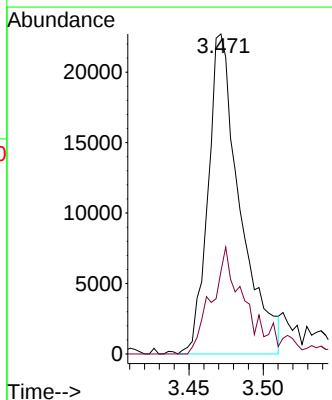
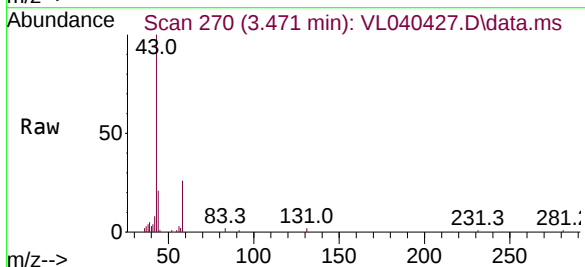
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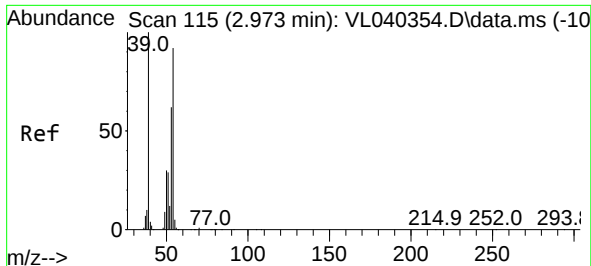
Tgt Ion: 45 Resp: 665
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#15
Acetone
Concen: 0.233 ppbv
RT: 3.471 min Scan# 270
Delta R.T. 0.016 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

Tgt Ion: 43 Resp: 33953
Ion Ratio Lower Upper
43 100
58 39.3 22.2 33.2#

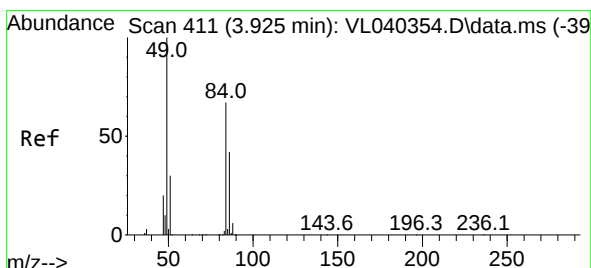
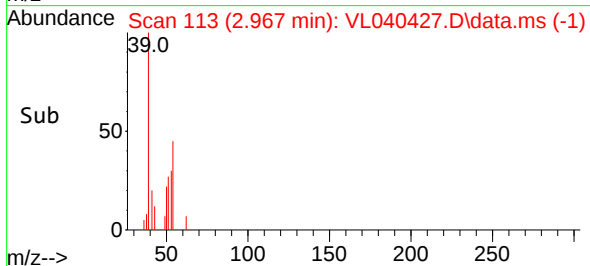
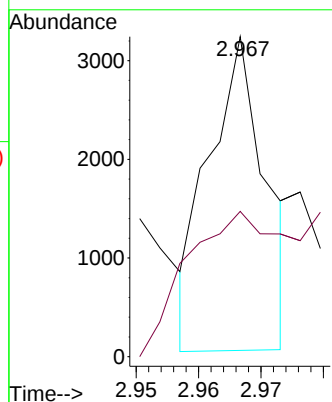
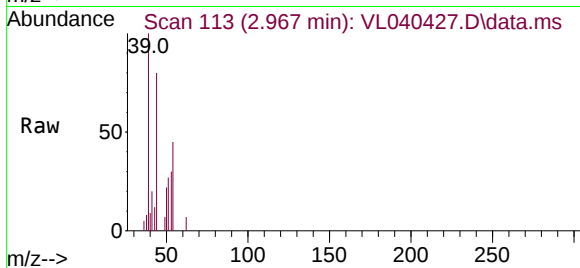




#16
1,3-Butadiene
Concen: 0.033 ppbv
RT: 2.967 min Scan# 115
Delta R.T. -0.006 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

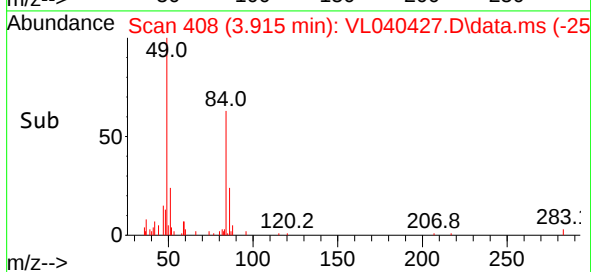
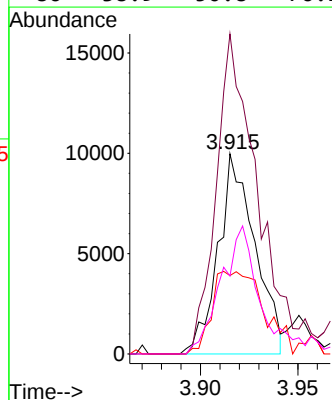
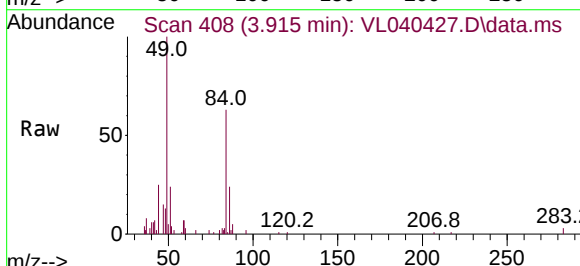
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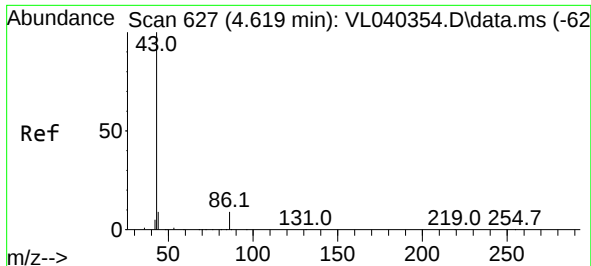
Tgt Ion: 39 Resp: 2016
Ion Ratio Lower Upper
39 100
54 114.1 68.8 103.2#



#20
Methylene Chloride
Concen: 0.225 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.010 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

Tgt Ion: 84 Resp: 13079
Ion Ratio Lower Upper
84 100
49 159.9 120.1 180.1
51 45.5 36.3 54.5
86 38.9 50.8 76.2#

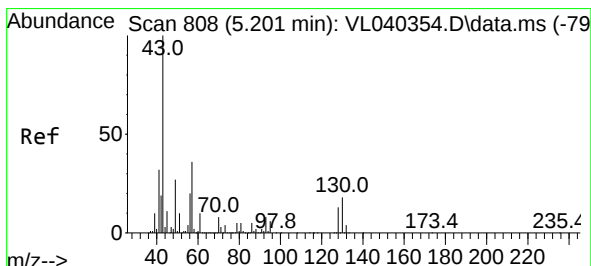
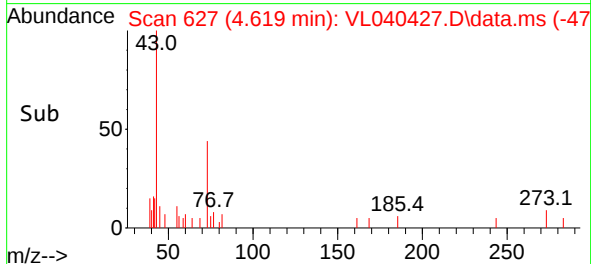
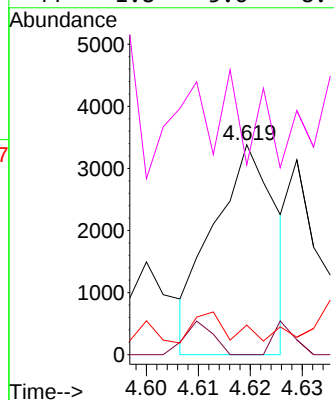
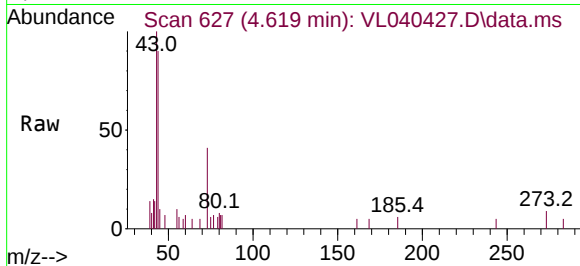




#23
 Vinyl Acetate
 Concen: 0.076 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040427.D
 Acq: 12 May 2023 21:35

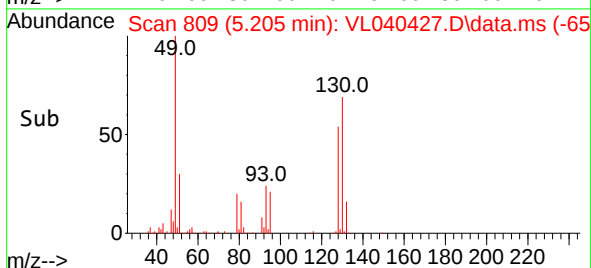
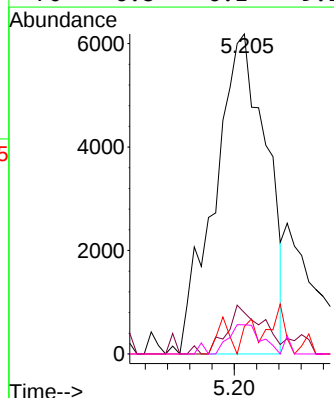
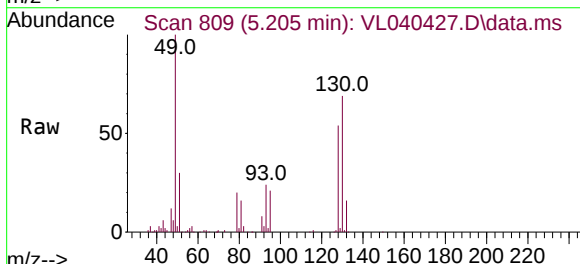
Instrument :
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 ClientSampleId :
 VIBLK

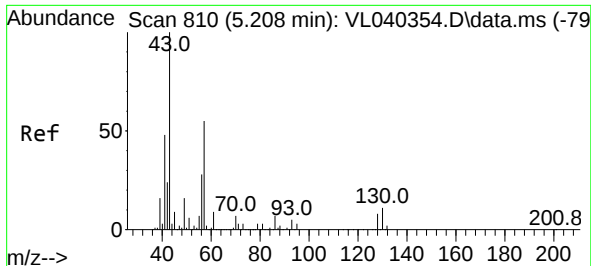
Tgt Ion:	43	Resp:	2807
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	11.7	6.4	9.6#
44	1.8	5.6	8.4#



#25
 Ethyl Acetate
 Concen: 0.041 ppbv
 RT: 5.205 min Scan# 809
 Delta R.T. 0.004 min
 Lab File: VL040427.D
 Acq: 12 May 2023 21:35

Tgt Ion:	43	Resp:	9931
Ion	Ratio	Lower	Upper
43	100		
45	12.9	8.5	12.7#
61	0.0	8.5	12.7#
70	6.8	6.1	9.1



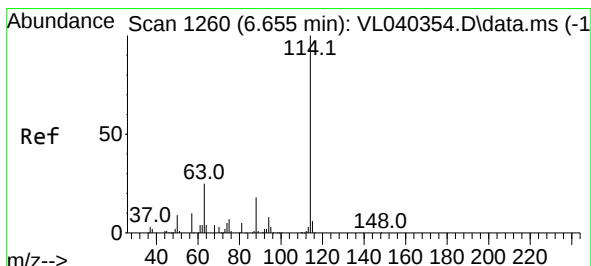
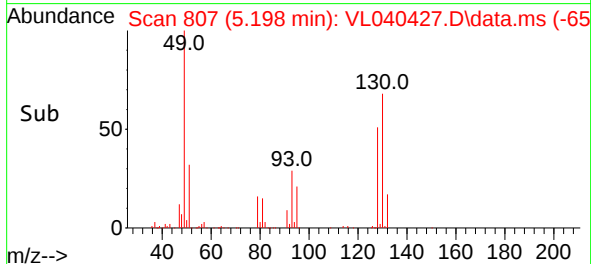
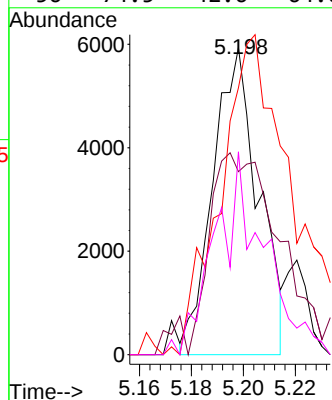
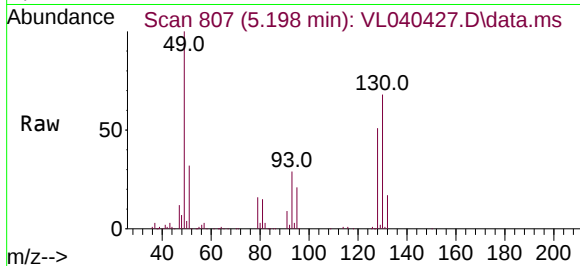


#26
Hexane
Concen: 0.070 ppbv
RT: 5.198 min Scan# 810
Delta R.T. -0.010 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 57 Resp: 7221

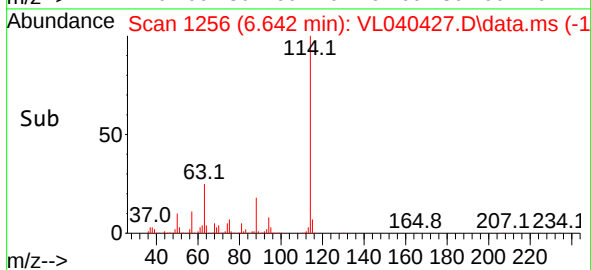
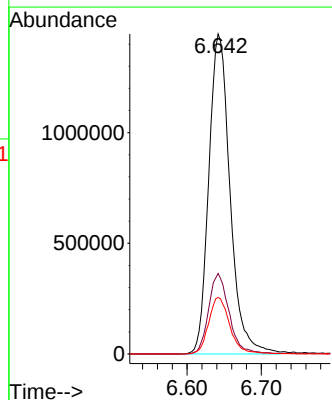
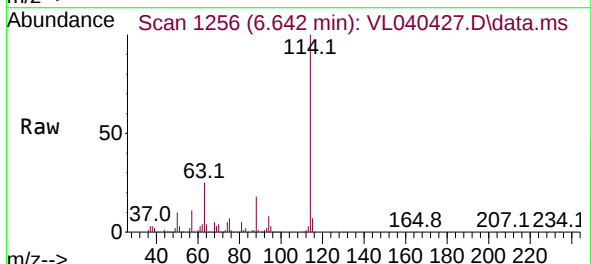
Ion	Ratio	Lower	Upper
57	100		
41	109.1	74.8	112.2
43	186.1	192.7	289.1#
56	74.5	42.6	64.0#

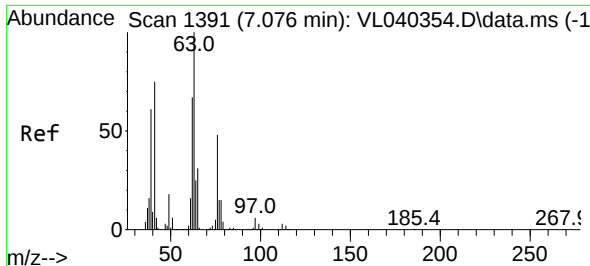


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.013 min
Lab File: VL040427.D
Acq: 12 May 2023 21:35

Tgt Ion: 114 Resp: 2870845

Ion	Ratio	Lower	Upper
114	100		
63	24.5	21.4	32.0
88	17.7	14.6	22.0





#39

1,2-Dichloropropane

Concen: 7.516 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.434 min

Lab File: VL040427.D

Acq: 12 May 2023 21:35

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

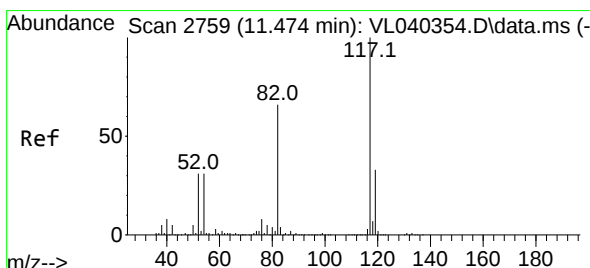
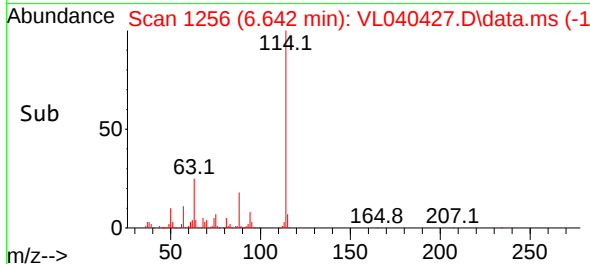
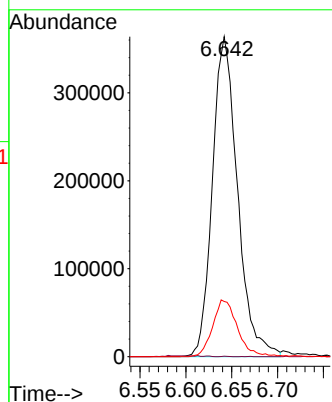
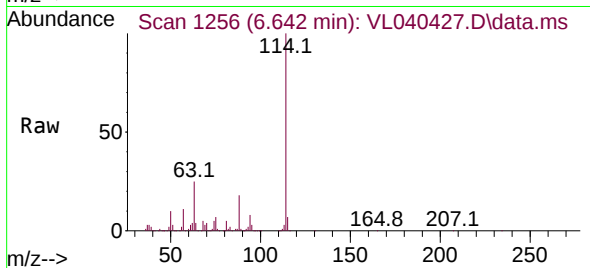
Tgt Ion: 63 Resp: 692710

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 17.2 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.461 min Scan# 2755

Delta R.T. -0.013 min

Lab File: VL040427.D

Acq: 12 May 2023 21:35

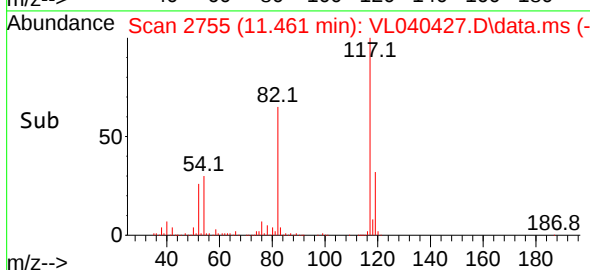
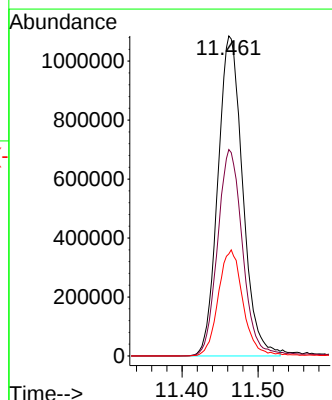
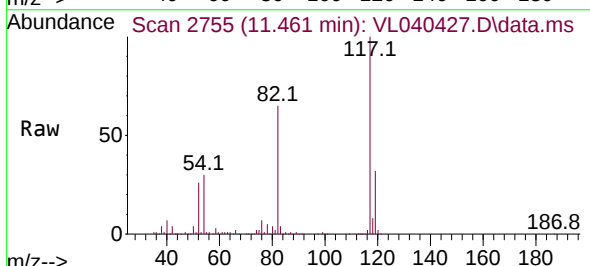
Tgt Ion: 117 Resp: 2461740

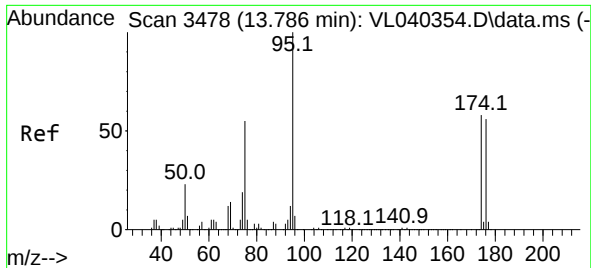
Ion Ratio Lower Upper

117 100

82 65.8 52.5 78.7

119 33.3 24.3 36.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.364 ppbv
 RT: 13.777 min Scan# 34
 Delta R.T. -0.009 min
 Lab File: VL040427.D
 Acq: 12 May 2023 21:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 1906289

Ion	Ratio	Lower	Upper
95	100		
174	62.4	47.2	70.8
175	4.4	3.5	5.3

