

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040895.D
 Acq On : 17 Nov 2023 14:51
 Operator : SY/MD
 Sample : 05474-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

Quant Time: Nov 20 03:59:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	946292	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2225977	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2004764	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1575198	10.036	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

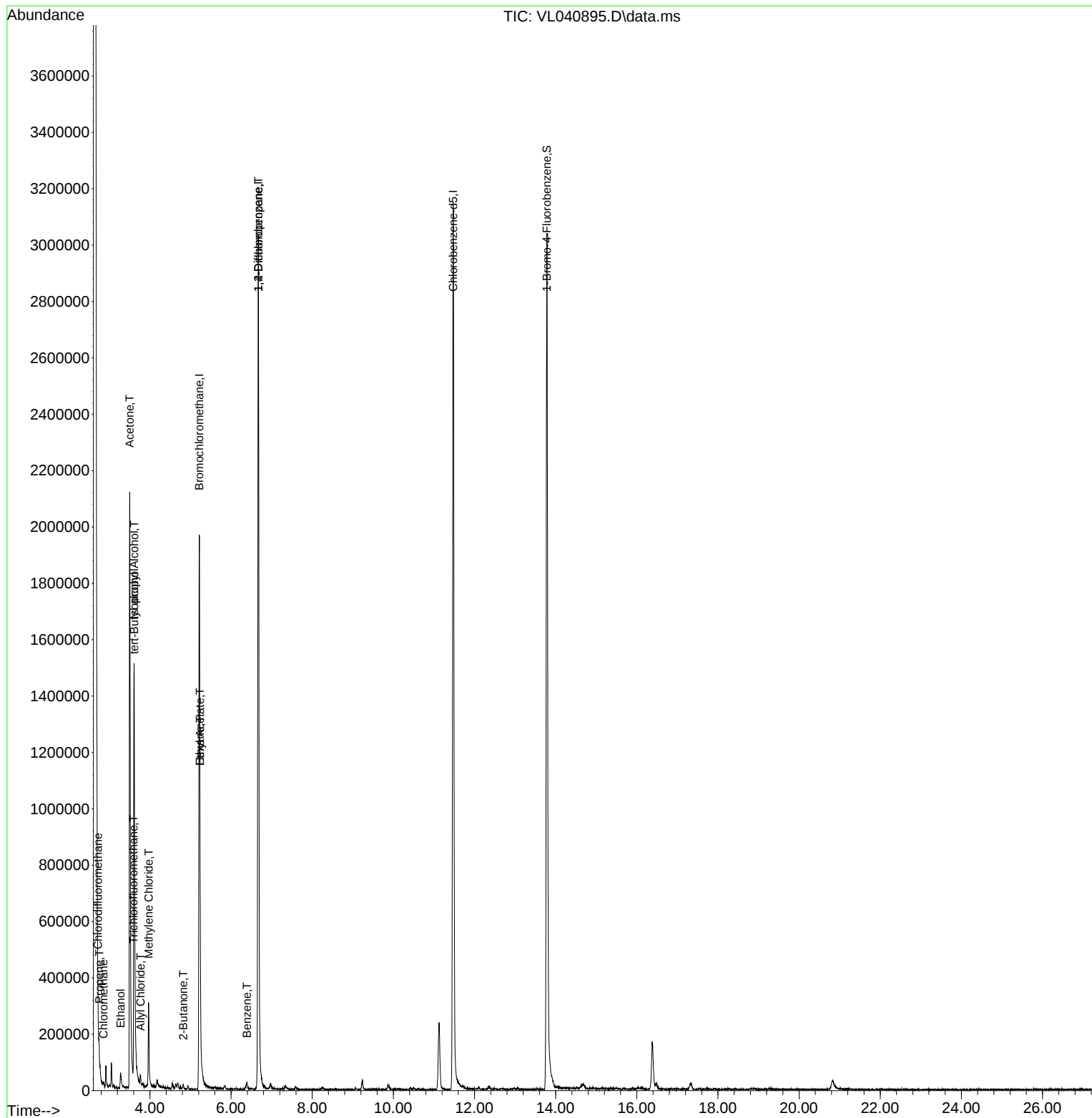
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.719	51	15610	0.103	ppbv #	85
4) Chloromethane	2.857	50	7875	0.145	ppbv #	59
9) Propene	2.751	41	14514	0.285	ppbv #	80
11) Trichlorofluoromethane	3.594	101	5551	0.038	ppbv	99
13) Ethanol	3.279	45	43789	4.429	ppbv #	100
15) Acetone	3.500	43	2212602	21.954	ppbv	99
17) tert-Butyl alcohol	3.613	59	53237	0.618	ppbv	96
19) Isopropyl Alcohol	3.610	45	1652990	27.253	ppbv	100
20) Methylene Chloride	3.967	84	97685	2.349	ppbv	97
21) Allyl Chloride	3.767	41	6346	0.098	ppbv #	79
25) Ethyl Acetate	5.233	43	97910	0.469	ppbv #	94
26) Hexane	5.233	57	78556	0.851	ppbv #	62
34) 2-Butanone	4.819	43	13158	0.116	ppbv #	84
36) Benzene	6.391	78	13467	0.075	ppbv #	91
39) 1,2-Dichloropropane	6.671	63	591021	8.251	ppbv #	23

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

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VP-1

Quant Time: Nov 20 03:59:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Nov 20 03:50:24 2023
Response via : Initial Calibration

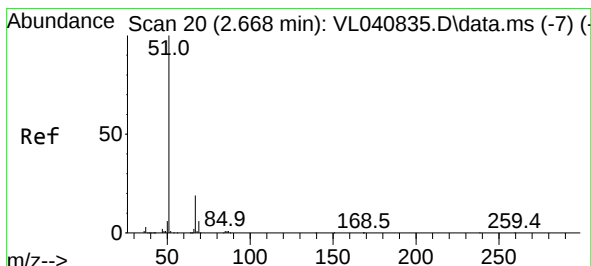
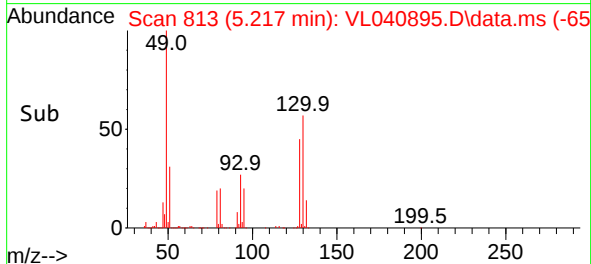
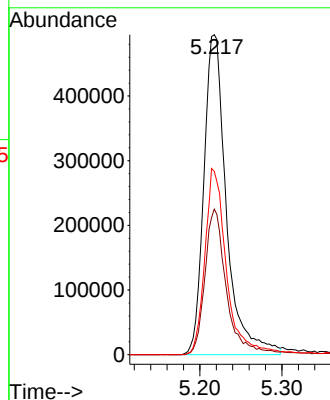
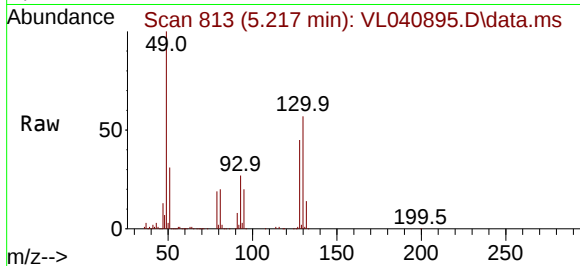




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.217 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

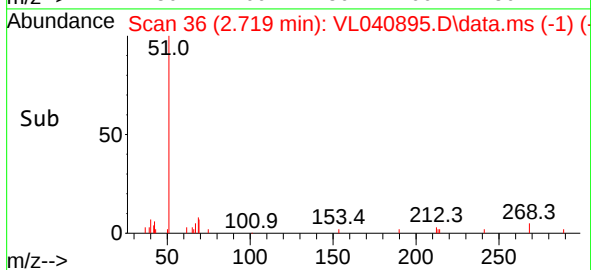
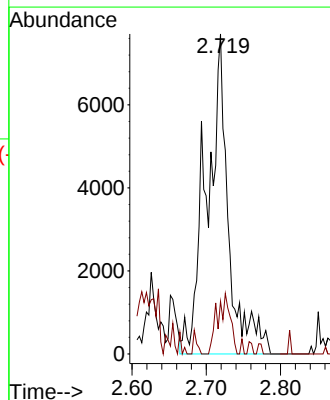
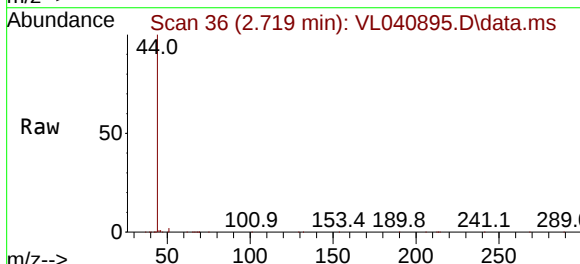
Instrument :
MSVOA_L
ClientSampleId :
VP-1

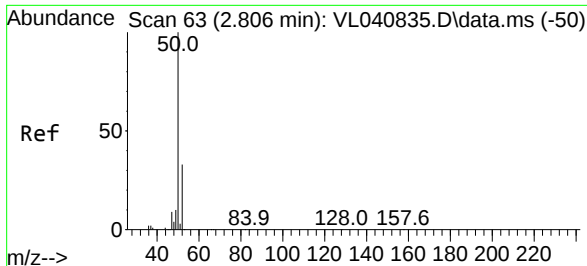
Tgt Ion: 49 Resp: 946292
Ion Ratio Lower Upper
49 100
128 44.1 23.8 71.2
130 56.1 30.9 92.8



#3
Chlorodifluoromethane
Concen: 0.103 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

Tgt Ion: 51 Resp: 15610
Ion Ratio Lower Upper
51 100
67 11.8 15.0 22.4#

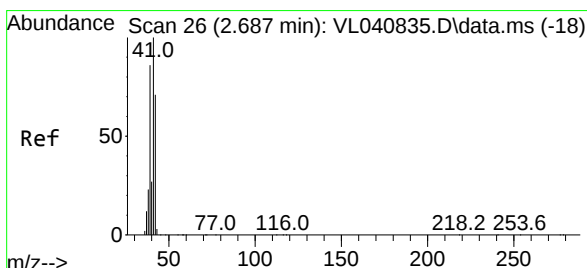
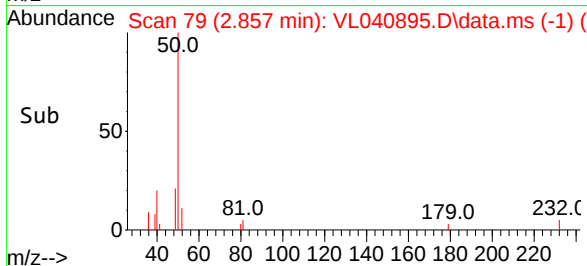
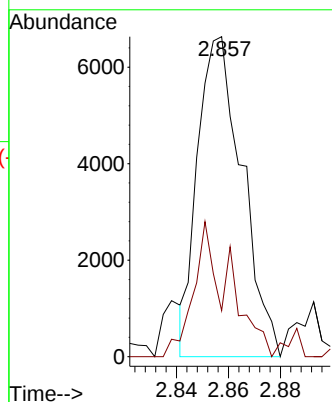
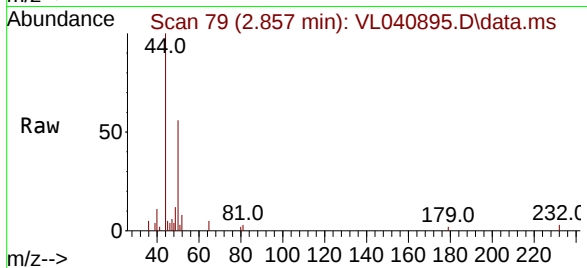




#4
Chloromethane
Concen: 0.145 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

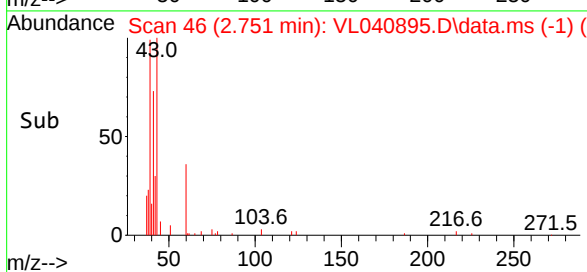
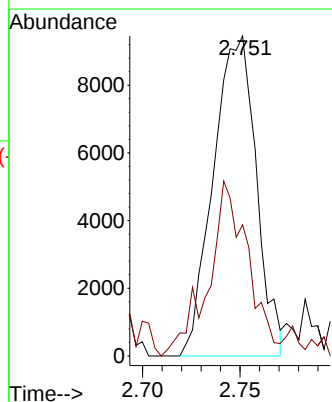
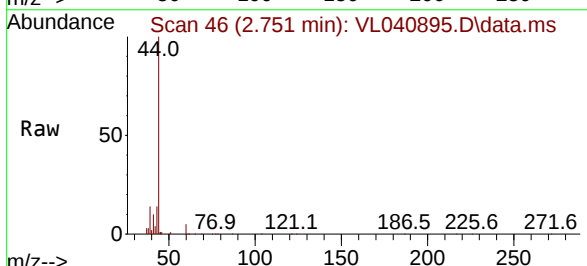
Instrument :
MSVOA_L
ClientSampleId :
VP-1

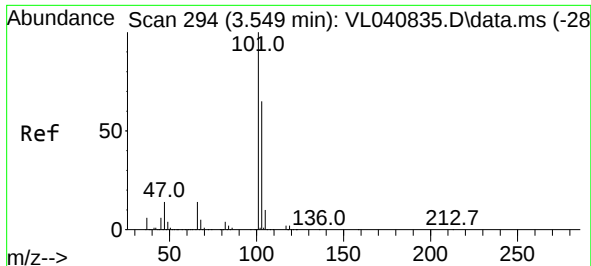
Tgt Ion: 50 Resp: 7875
Ion Ratio Lower Upper
50 100
52 10.1 26.5 39.7#



#9
Propene
Concen: 0.285 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.013 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

Tgt Ion: 41 Resp: 14514
Ion Ratio Lower Upper
41 100
42 54.3 56.5 84.7#

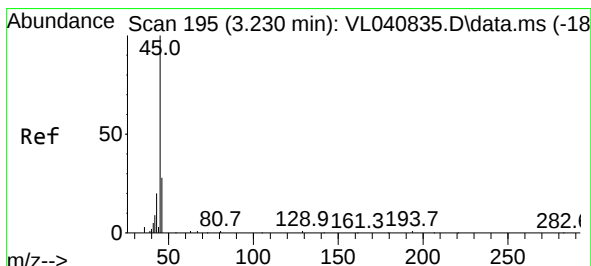
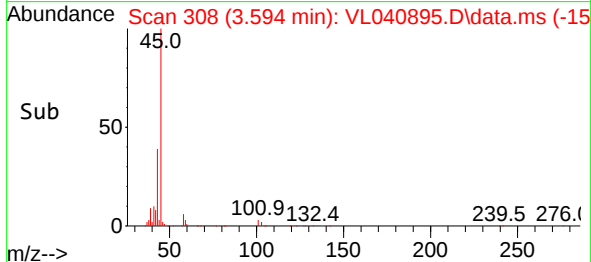
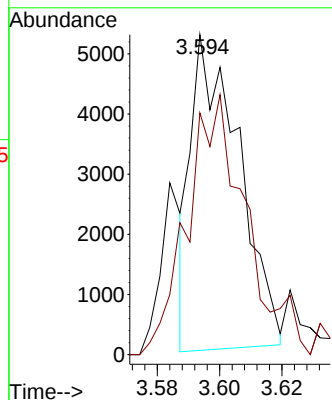
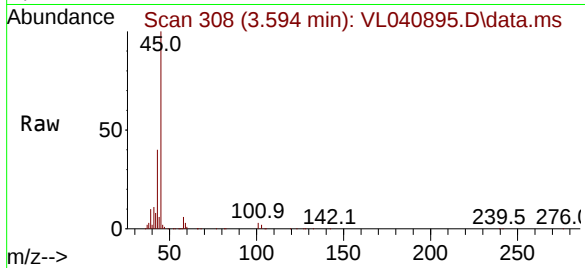




#11
 Trichlorofluoromethane
 Concen: 0.038 ppbv
 RT: 3.594 min Scan# 308
 Delta R.T. -0.000 min
 Lab File: VL040895.D
 Acq: 17 Nov 2023 14:51

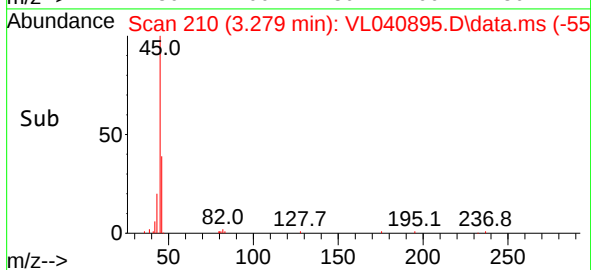
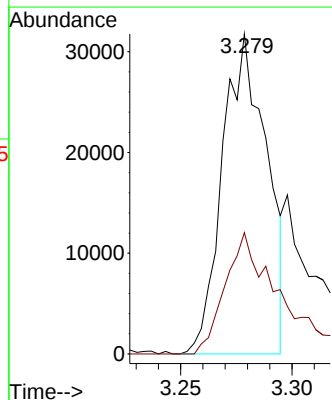
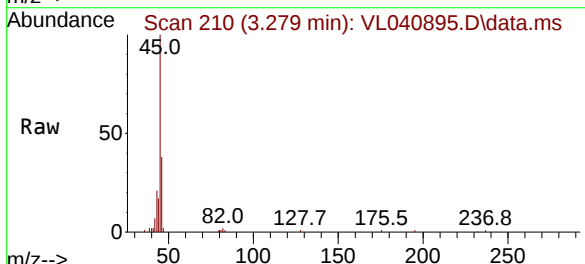
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

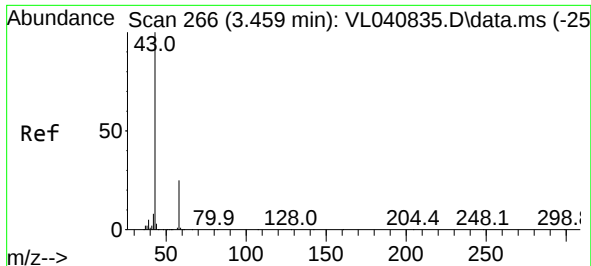
Tgt Ion:101 Resp: 5551
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.8 77.8



#13
 Ethanol
 Concen: 4.429 ppbv
 RT: 3.279 min Scan# 210
 Delta R.T. -0.000 min
 Lab File: VL040895.D
 Acq: 17 Nov 2023 14:51

Tgt Ion: 45 Resp: 43789
 Ion Ratio Lower Upper
 45 100
 46 56.6 0.0 0.0#

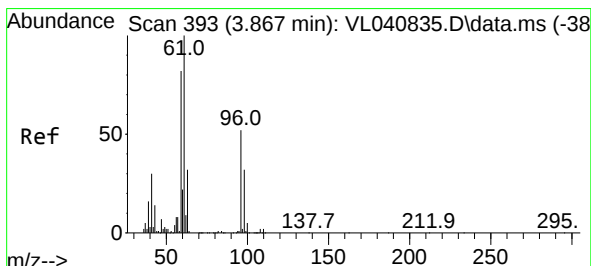
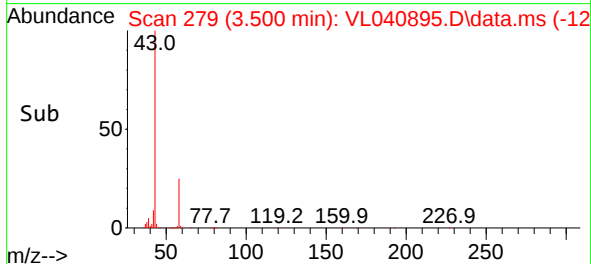
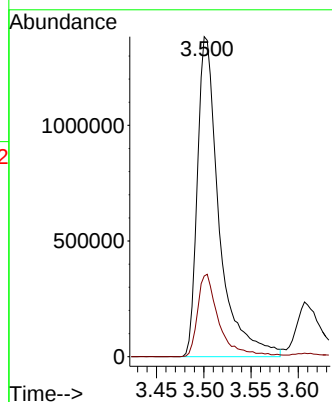
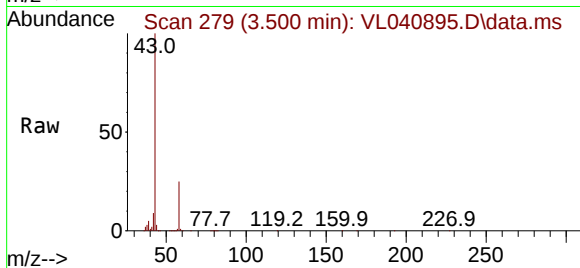




#15
Acetone
Concen: 21.954 ppbv
RT: 3.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

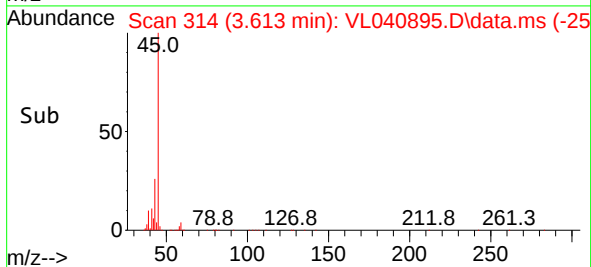
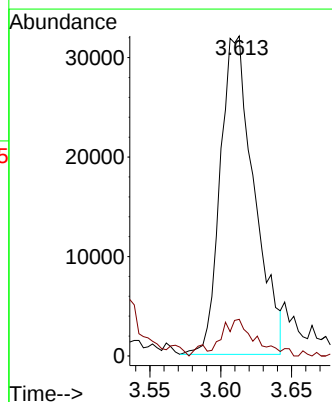
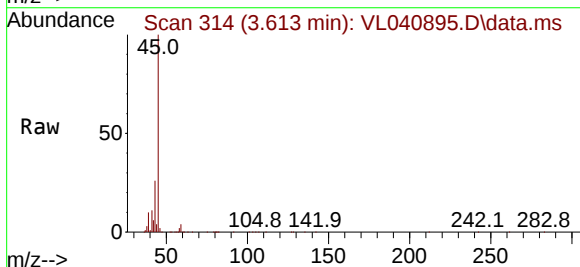
Instrument :
MSVOA_L
ClientSampleId :
VP-1

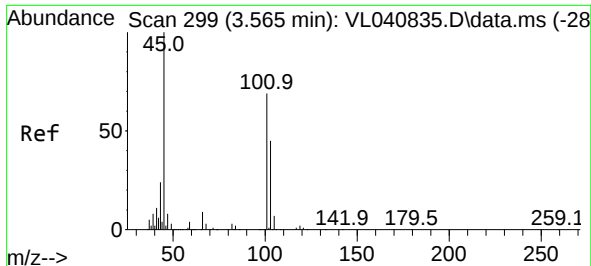
Tgt Ion: 43 Resp: 2212602
Ion Ratio Lower Upper
43 100
58 25.5 20.9 31.3



#17
tert-Butyl alcohol
Concen: 0.618 ppbv
RT: 3.613 min Scan# 314
Delta R.T. -0.296 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

Tgt Ion: 59 Resp: 53237
Ion Ratio Lower Upper
59 100
57 12.5 9.0 13.4

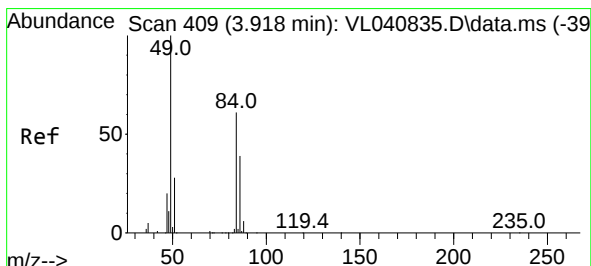
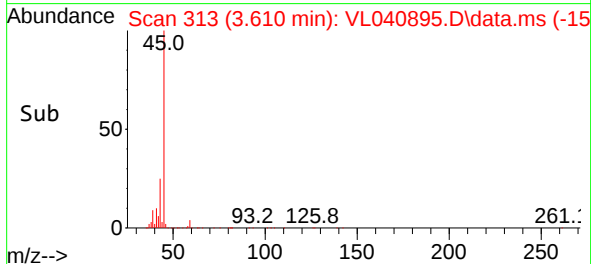
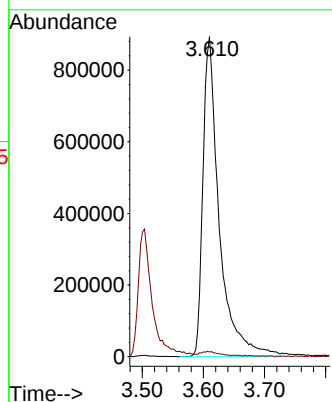
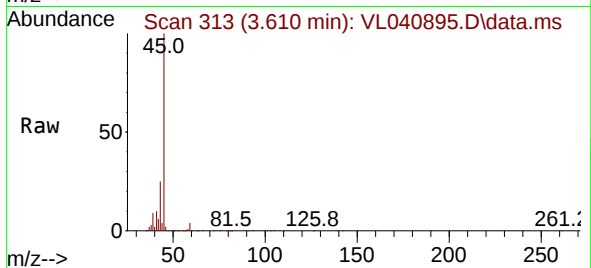




#19
Isopropyl Alcohol
Concen: 27.253 ppbv
RT: 3.610 min Scan# 313
Delta R.T. -0.000 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

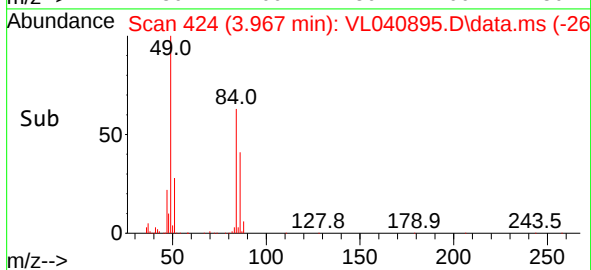
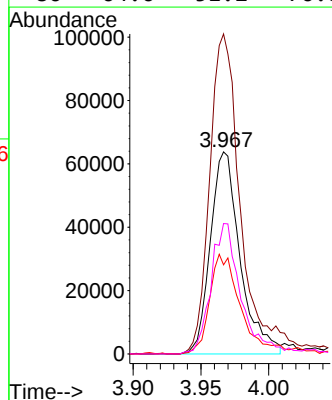
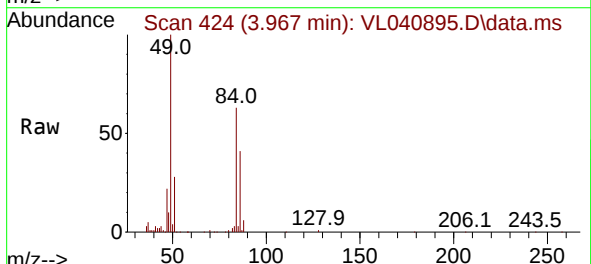
Instrument :
MSVOA_L
ClientSampleId :
VP-1

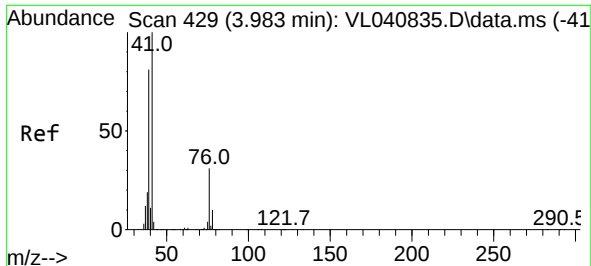
Tgt Ion: 45 Resp: 1652990
Ion Ratio Lower Upper
45 100
58 2.1 1.6 2.4



#20
Methylene Chloride
Concen: 2.349 ppbv
RT: 3.967 min Scan# 424
Delta R.T. 0.003 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

Tgt Ion: 84 Resp: 97685
Ion Ratio Lower Upper
84 100
49 158.3 131.0 196.4
51 44.1 36.9 55.3
86 64.6 51.2 76.8





#21

Allyl Chloride

Concen: 0.098 ppbv

RT: 3.767 min Scan# 30

Delta R.T. -0.257 min

Lab File: VL040895.D

Acq: 17 Nov 2023 14:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

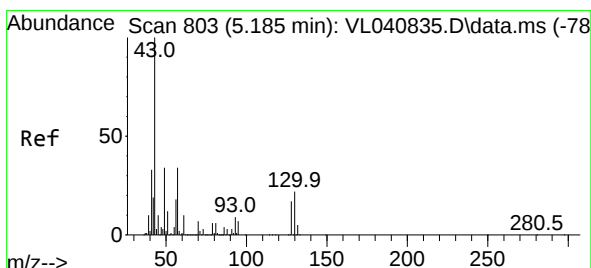
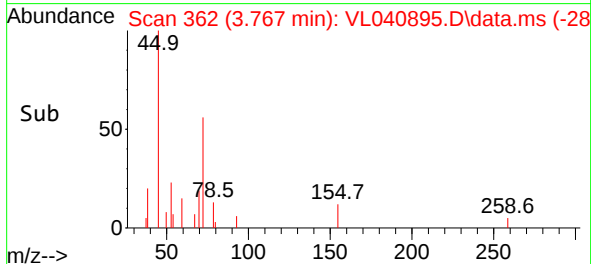
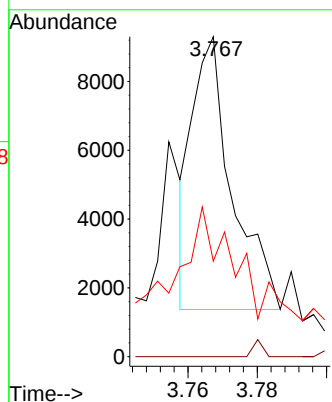
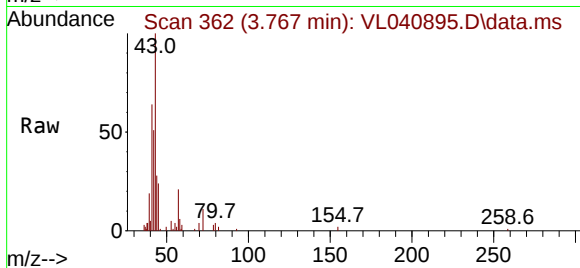
Tgt Ion: 41 Resp: 6346

Ion Ratio Lower Upper

41 100

76 2.7 24.4 36.6#

39 75.3 68.1 102.1



#25

Ethyl Acetate

Concen: 0.469 ppbv

RT: 5.233 min Scan# 818

Delta R.T. 0.013 min

Lab File: VL040895.D

Acq: 17 Nov 2023 14:51

Tgt Ion: 43 Resp: 97910

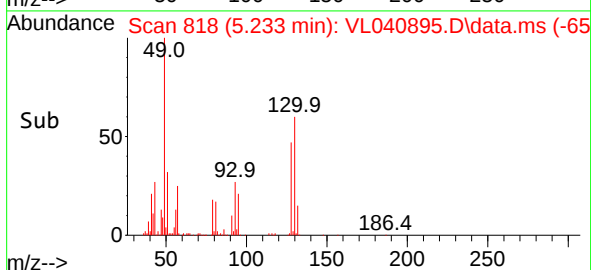
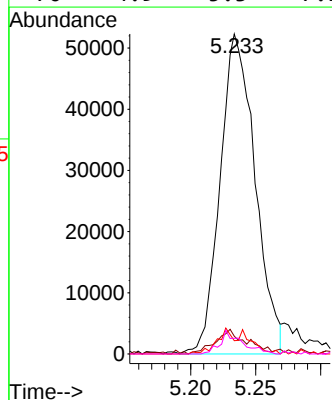
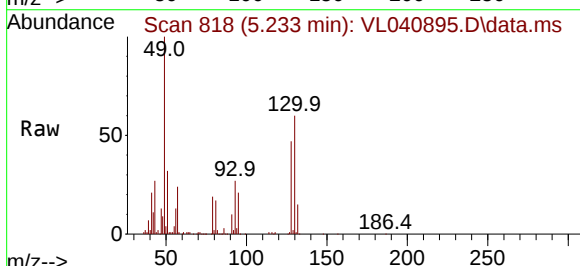
Ion Ratio Lower Upper

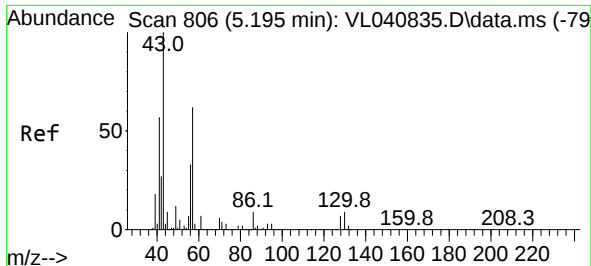
43 100

45 8.7 8.1 12.1

61 6.8 7.8 11.6#

70 4.9 5.3 7.9#

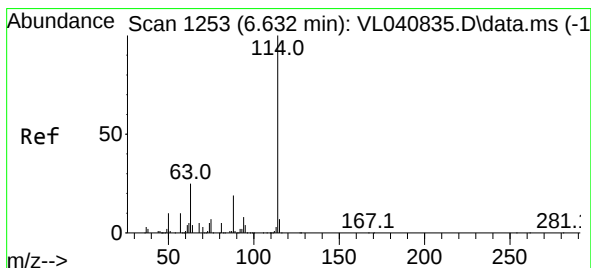
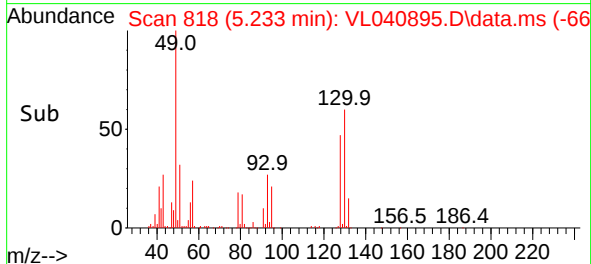
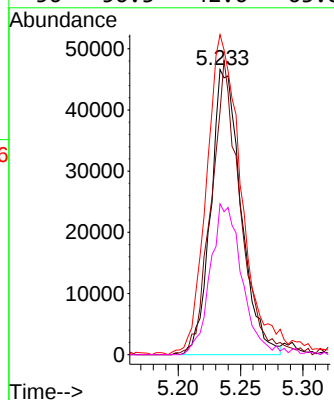
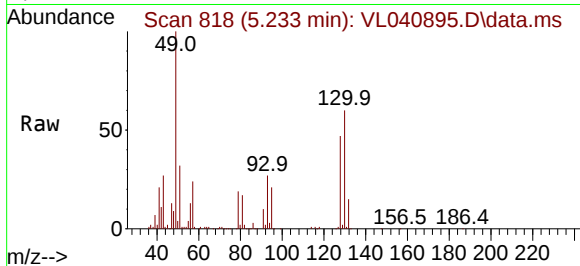




#26
Hexane
Concen: 0.851 ppbv
RT: 5.233 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

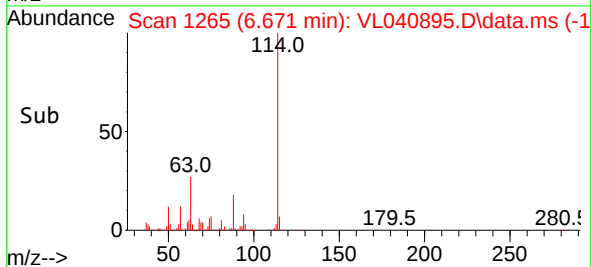
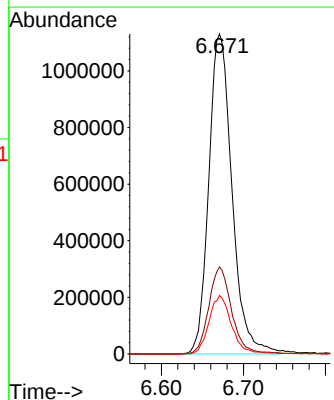
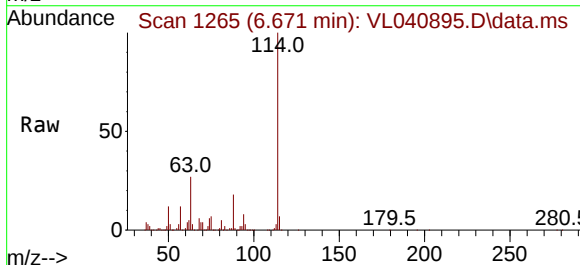
Instrument :
MSVOA_L
ClientSampleId :
VP-1

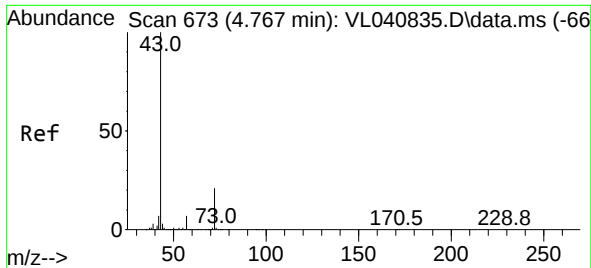
Tgt Ion: 57	Resp: 78556
Ion Ratio	Lower Upper
57 100	
41 100.9	75.4 113.0
43 135.4	185.9 278.9#
56 56.3	42.6 63.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

Tgt Ion: 114	Resp: 2225977
Ion Ratio	Lower Upper
114 100	
63 26.8	20.9 31.3
88 17.8	14.3 21.5

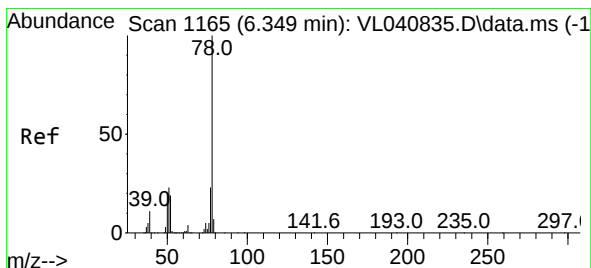
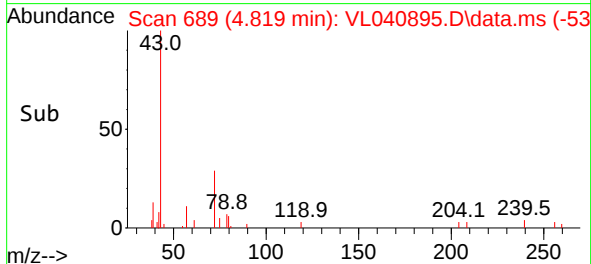
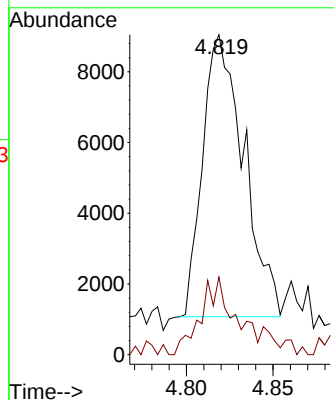
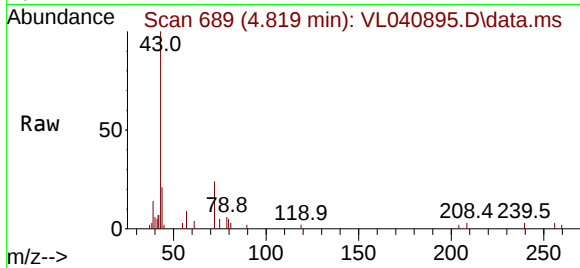




#34
2-Butanone
Concen: 0.116 ppbv
RT: 4.819 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

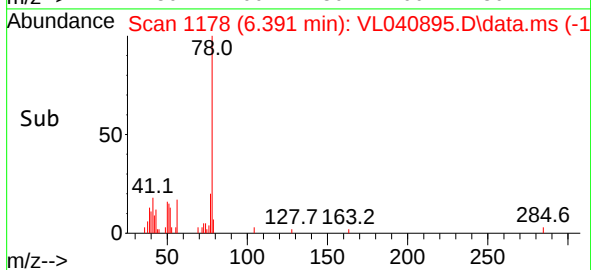
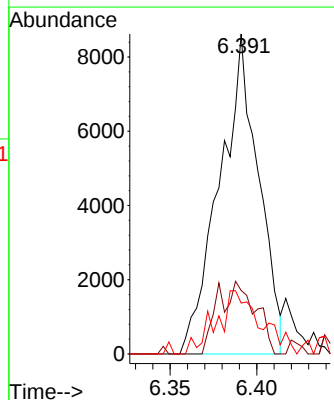
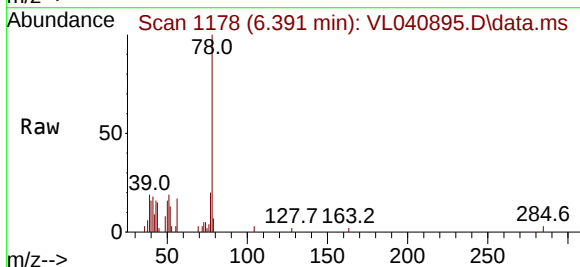
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MSVOA_L
ClientSampleId :
VP-1

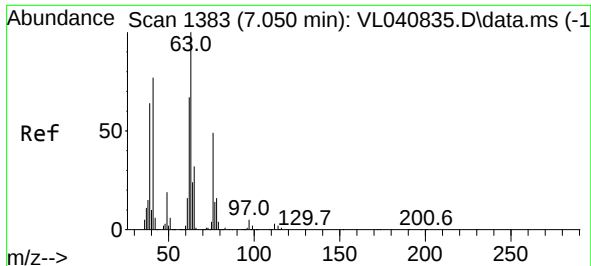
Tgt Ion: 43 Resp: 13158
Ion Ratio Lower Upper
43 100
72 28.9 17.2 25.8#



#36
Benzene
Concen: 0.075 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.006 min
Lab File: VL040895.D
Acq: 17 Nov 2023 14:51

Tgt Ion: 78 Resp: 13467
Ion Ratio Lower Upper
78 100
77 19.0 18.4 27.6
50 15.2 16.2 24.2#





#39

1,2-Dichloropropane

Concen: 8.251 ppbv

RT: 6.671 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL040895.D

Acq: 17 Nov 2023 14:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

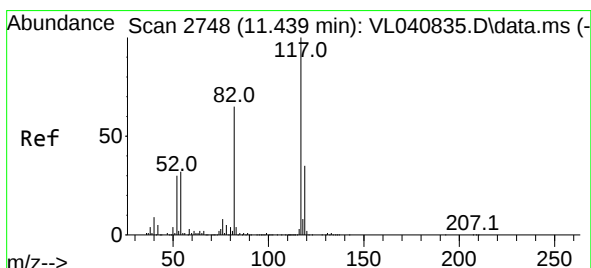
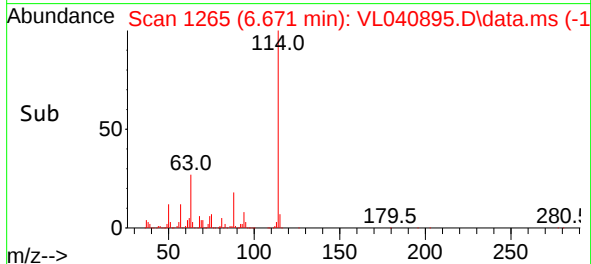
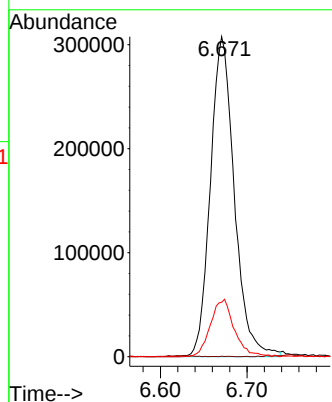
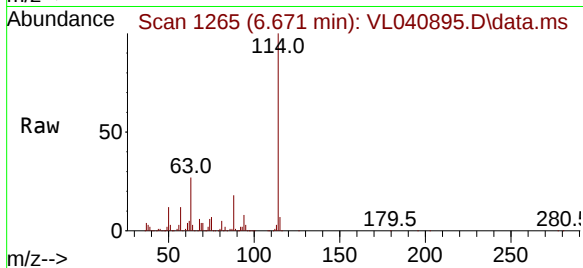
Tgt Ion: 63 Resp: 591021

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 17.0 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. 0.013 min

Lab File: VL040895.D

Acq: 17 Nov 2023 14:51

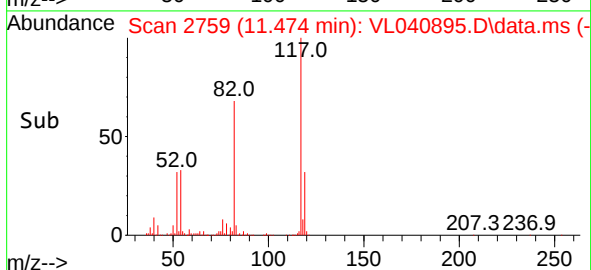
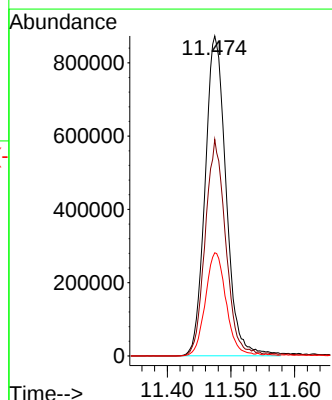
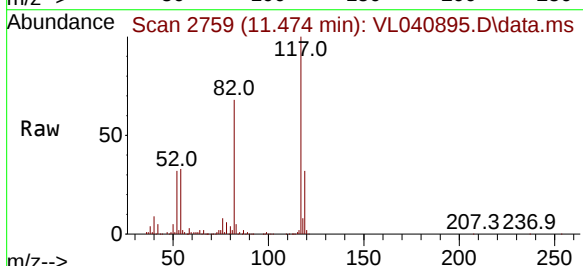
Tgt Ion: 117 Resp: 2004764

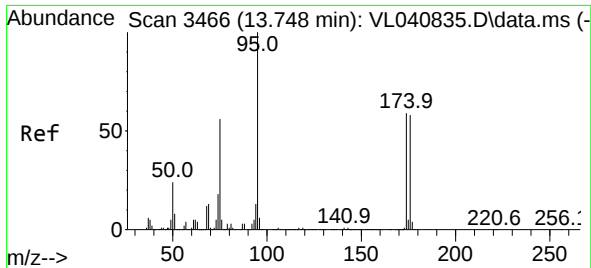
Ion Ratio Lower Upper

117 100

82 67.2 50.6 75.8

119 32.6 23.3 34.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.036 ppbv

RT: 13.786 min Scan# 34

Delta R.T. 0.016 min

Lab File: VL040895.D

Acq: 17 Nov 2023 14:51

Instrument :

MSVOA_L

ClientSampleId :

VP-1

Tgt Ion: 95 Resp: 1575198

Ion Ratio Lower Upper

95 100

174 59.4 47.5 71.3

175 4.5 3.6 5.4

