

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040368.D
 Acq On : 13 Apr 2023 20:45
 Operator : SY/MD
 Sample : 02332-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-24-20230412DL

Quant Time: Apr 14 08:36:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

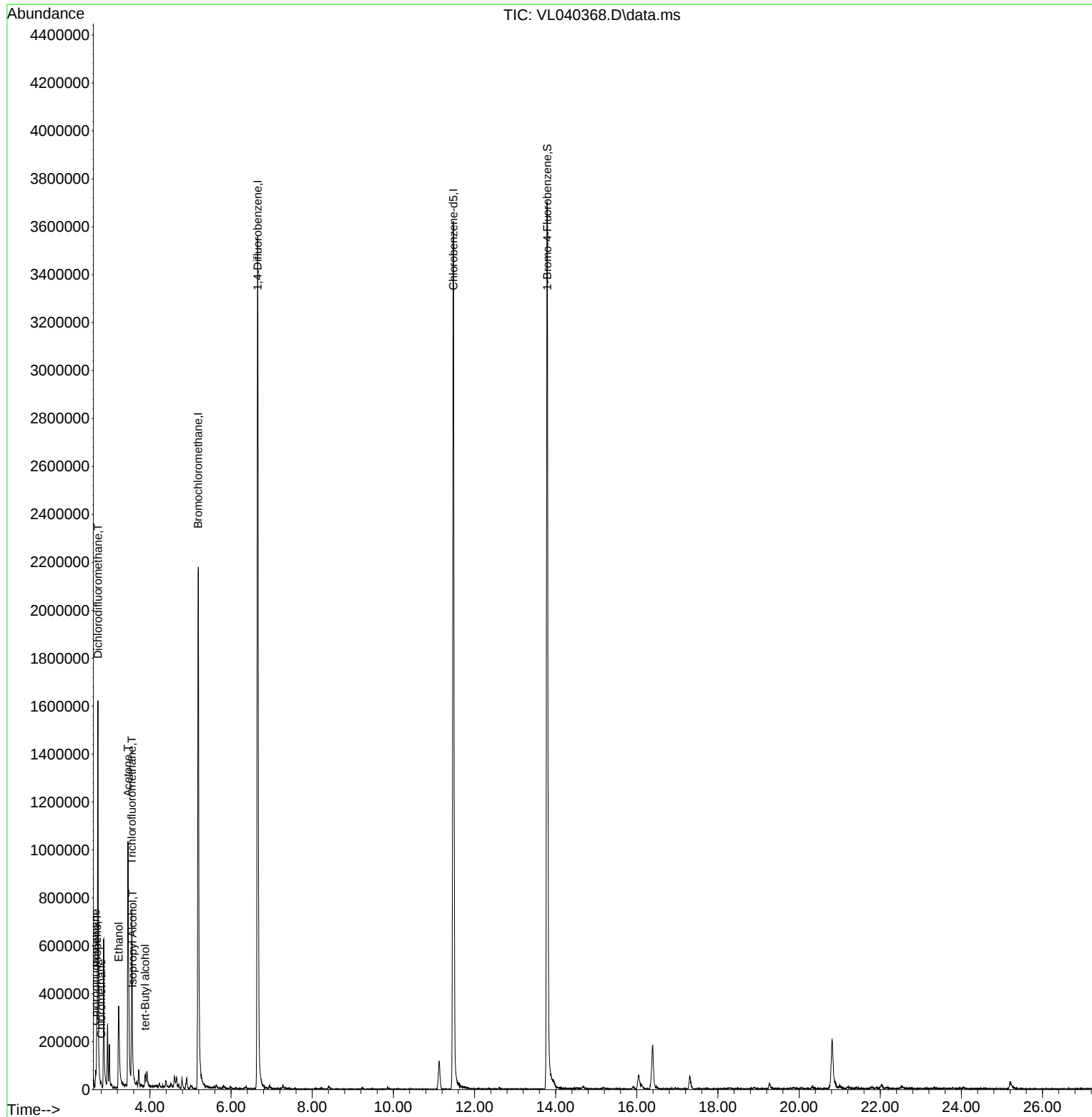
Internal Standards						
1) Bromochloromethane	5.189	49	1019543	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2574307	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2264052	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1821673	9.730	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						
2) Dichlorodifluoromethane	2.719	85	1142258	6.214	ppbv	100
3) Chlorodifluoromethane	2.661	51	68203	0.512	ppbv	97
4) Chloromethane	2.803	50	13665	0.162	ppbv #	73
9) Propene	2.694	41	75976	1.444	ppbv #	75
11) Trichlorofluoromethane	3.555	101	457164	2.457	ppbv	98
13) Ethanol	3.231	45	401930	91.477	ppbv	99
15) Acetone	3.459	43	1089767	7.547	ppbv	97
17) tert-Butyl alcohol	3.880	59	36811	0.278	ppbv #	91
19) Isopropyl Alcohol	3.571	45	41347m	0.628	ppbv	

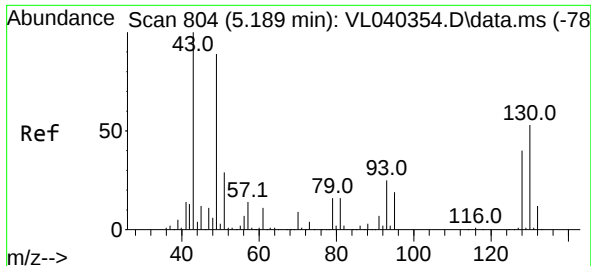
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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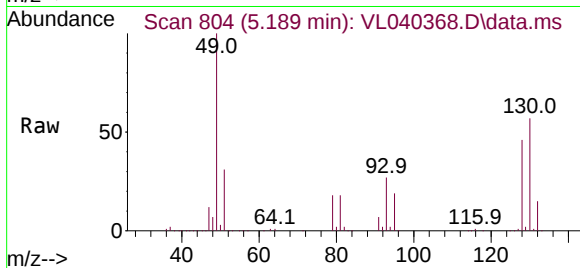
Quant Time: Apr 14 08:36:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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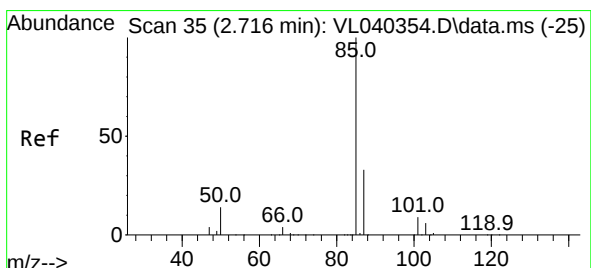
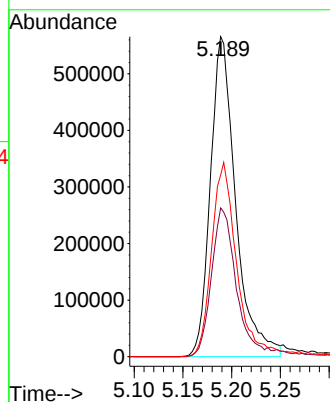
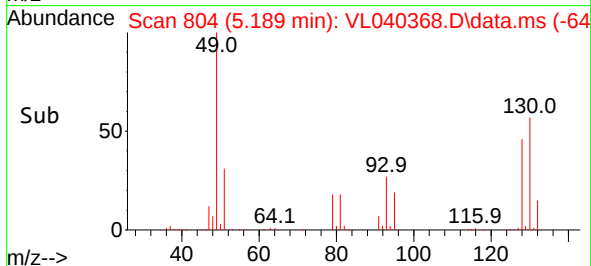


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040368.D
Acq: 13 Apr 2023 20:45

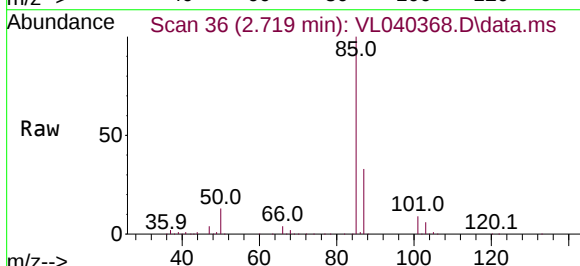
Instrument :
MSVOA_L
ClientSampleId :
SV-24-20230412DL



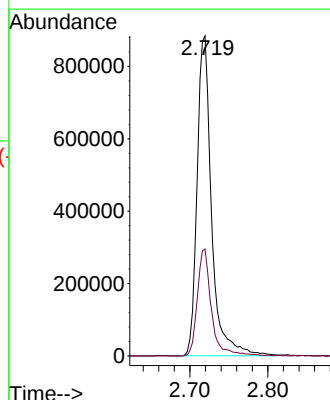
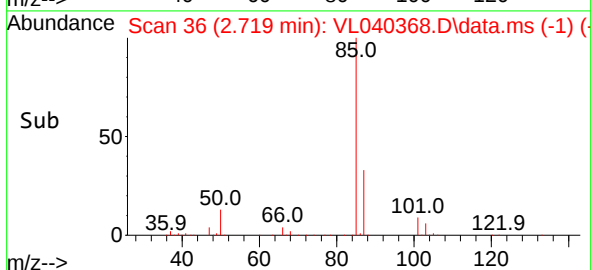
Tgt Ion: 49 Resp: 1019543
Ion Ratio Lower Upper
49 100
128 48.1 23.7 71.1
130 61.8 29.9 89.8

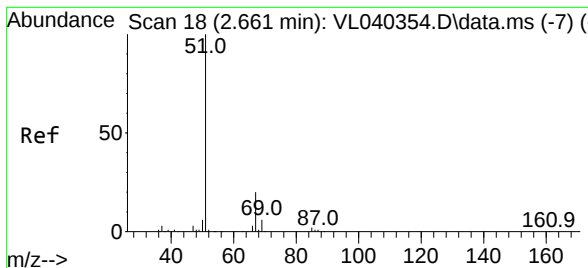


#2
Dichlorodifluoromethane
Concen: 6.214 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL040368.D
Acq: 13 Apr 2023 20:45



Tgt Ion: 85 Resp: 1142258
Ion Ratio Lower Upper
85 100
87 33.4 26.6 40.0





#3

Chlorodifluoromethane

Concen: 0.512 ppbv

RT: 2.661 min Scan# 18

Delta R.T. 0.000 min

Lab File: VL040368.D

Acq: 13 Apr 2023 20:45

Instrument :

MSVOA_L

ClientSampleId :

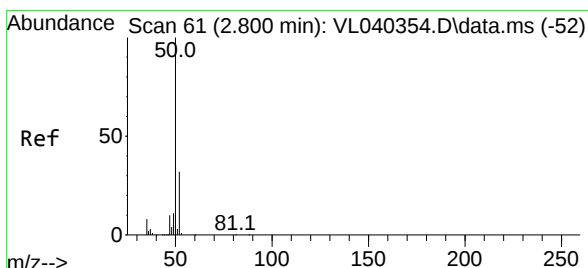
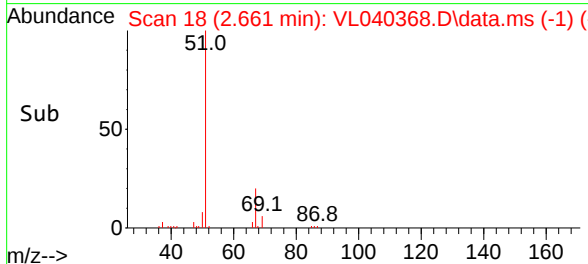
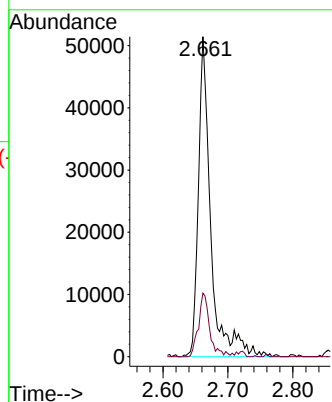
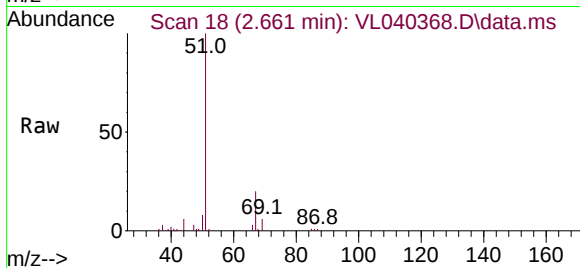
SV-24-20230412DL

Tgt Ion: 51 Resp: 68203

Ion Ratio Lower Upper

51 100

67 18.1 15.5 23.3



#4

Chloromethane

Concen: 0.162 ppbv

RT: 2.803 min Scan# 62

Delta R.T. 0.003 min

Lab File: VL040368.D

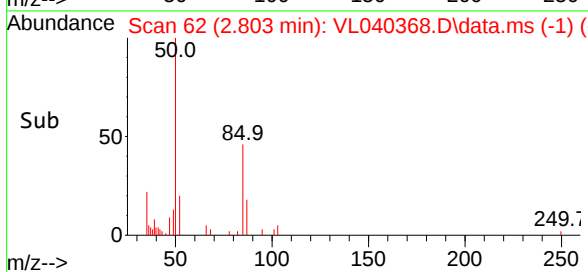
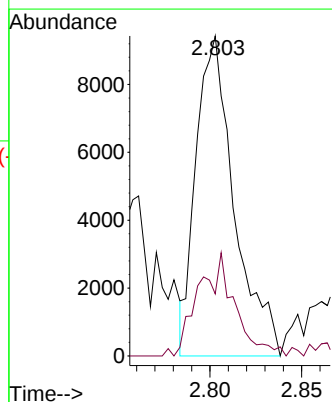
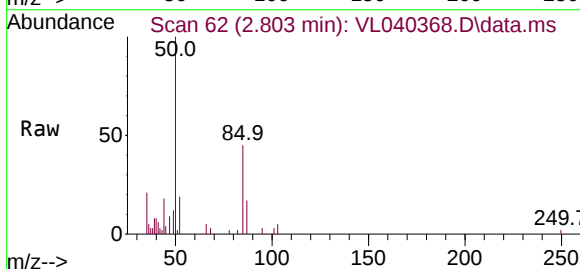
Acq: 13 Apr 2023 20:45

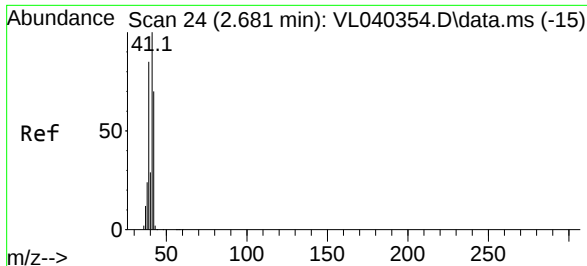
Tgt Ion: 50 Resp: 13665

Ion Ratio Lower Upper

50 100

52 16.7 25.3 37.9#





#9

Propene

Concen: 1.444 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040368.D

Acq: 13 Apr 2023 20:45

Instrument :

MSVOA_L

ClientSampleId :

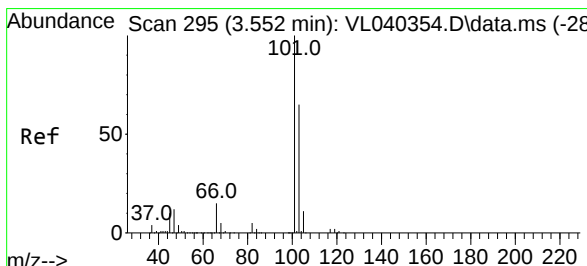
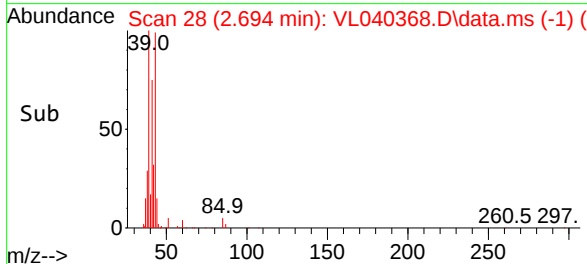
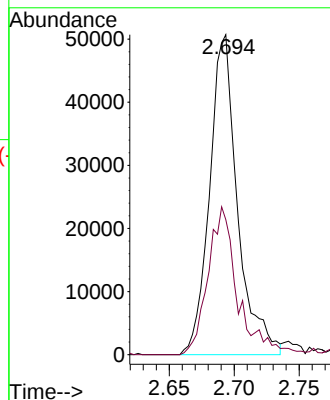
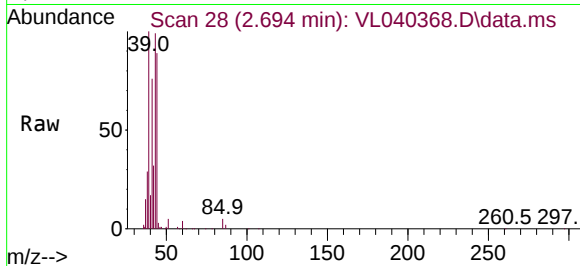
SV-24-20230412DL

Tgt Ion: 41 Resp: 75976

Ion Ratio Lower Upper

41 100

42 50.2 56.5 84.7#



#11

Trichlorofluoromethane

Concen: 2.457 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL040368.D

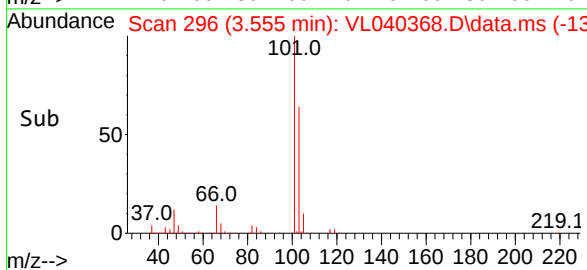
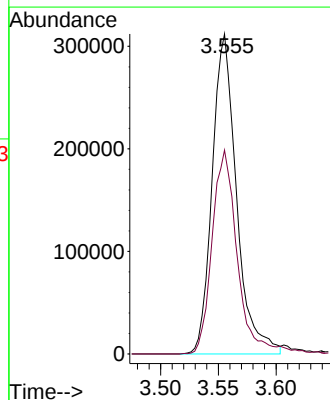
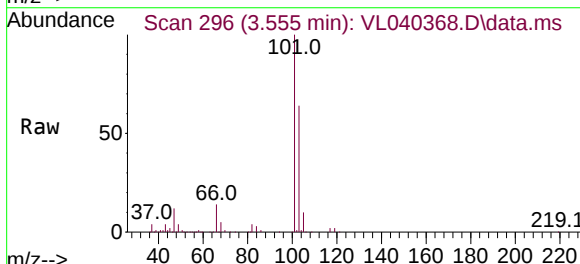
Acq: 13 Apr 2023 20:45

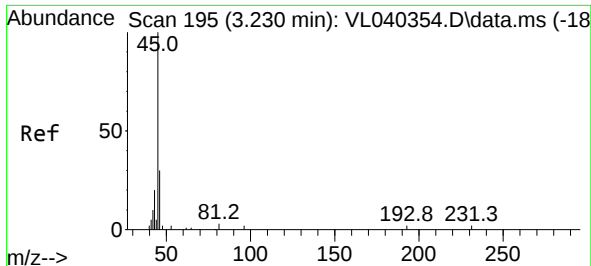
Tgt Ion:101 Resp: 457164

Ion Ratio Lower Upper

101 100

103 63.7 52.2 78.4

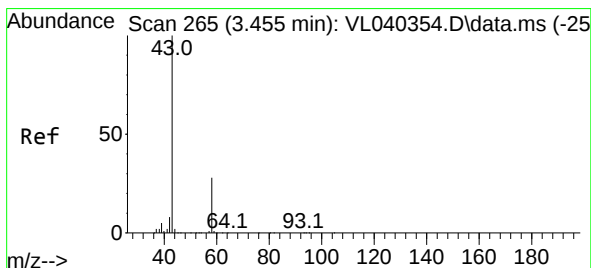
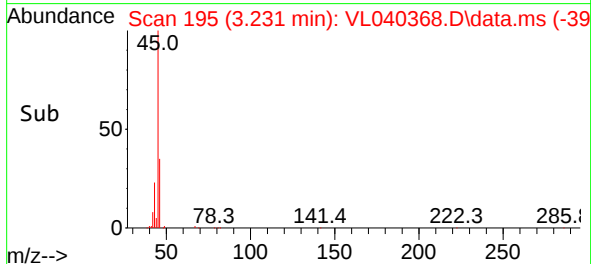
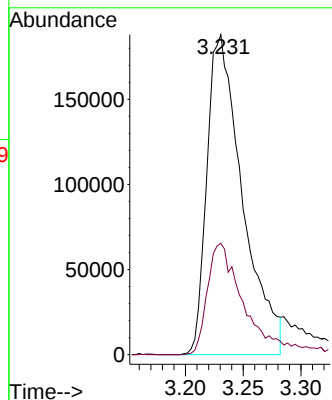
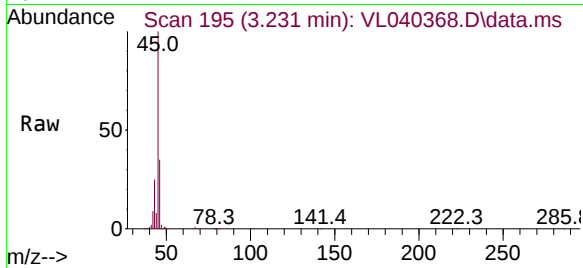




#13
Ethanol
Concen: 91.477 ppbv
RT: 3.231 min Scan# 195
Delta R.T. 0.000 min
Lab File: VL040368.D
Acq: 13 Apr 2023 20:45

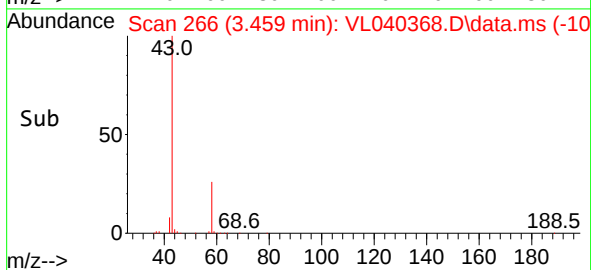
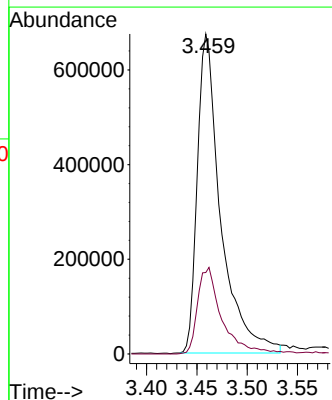
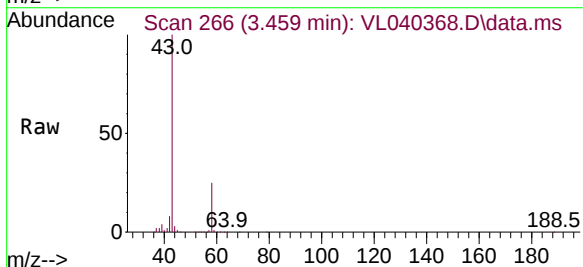
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SV-24-20230412DL

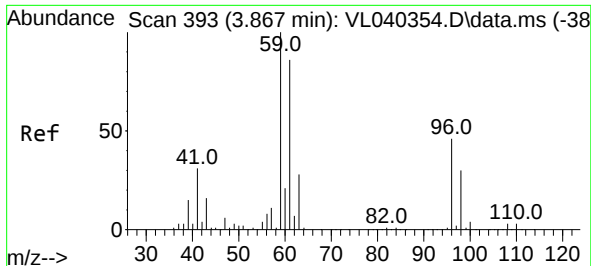
Tgt Ion: 45 Resp: 401930
Ion Ratio Lower Upper
45 100
46 38.6 15.3 61.3



#15
Acetone
Concen: 7.547 ppbv
RT: 3.459 min Scan# 266
Delta R.T. 0.003 min
Lab File: VL040368.D
Acq: 13 Apr 2023 20:45

Tgt Ion: 43 Resp: 1089767
Ion Ratio Lower Upper
43 100
58 29.2 22.2 33.2





#17

tert-Butyl alcohol

Concen: 0.278 ppbv

RT: 3.880 min Scan# 301

Delta R.T. 0.013 min

Lab File: VL040368.D

Acq: 13 Apr 2023 20:45

Instrument :

MSVOA_L

ClientSampleId :

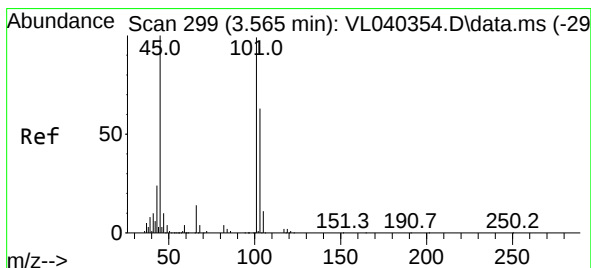
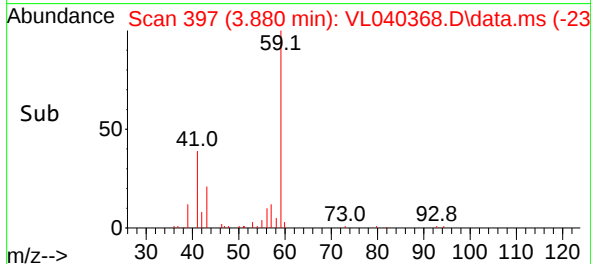
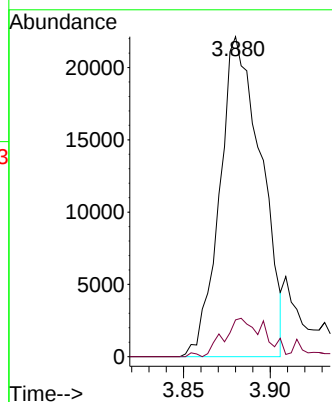
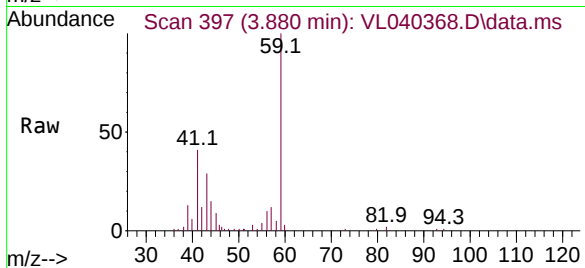
SV-24-20230412DL

Tgt Ion: 59 Resp: 36811

Ion Ratio Lower Upper

59 100

57 13.9 8.5 12.7#



#19

Isopropyl Alcohol

Concen: 0.628 ppbv m

RT: 3.571 min Scan# 301

Delta R.T. 0.007 min

Lab File: VL040368.D

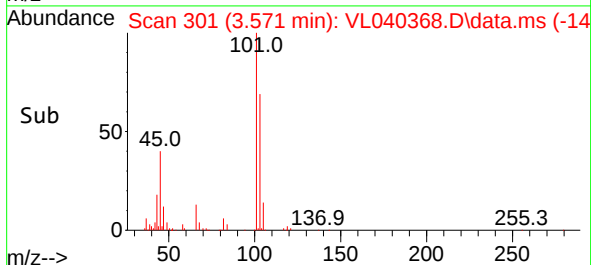
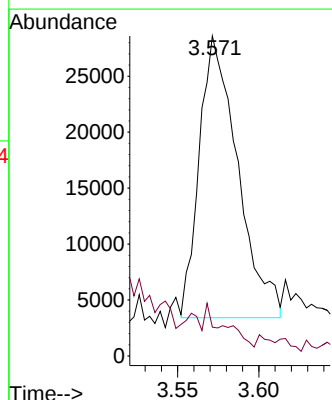
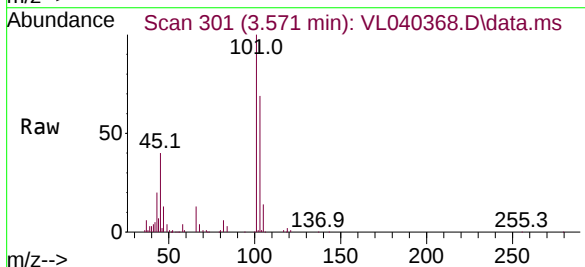
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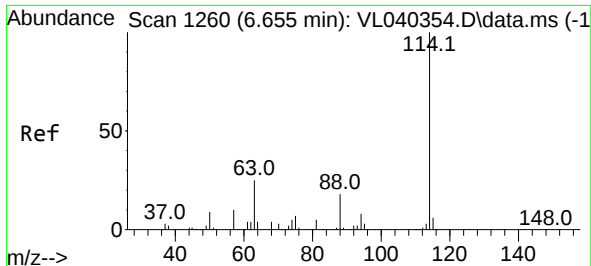
Tgt Ion: 45 Resp: 41347

Ion Ratio Lower Upper

45 100

58 0.0 2.6 4.0#

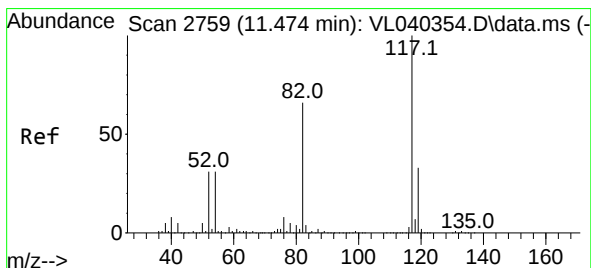
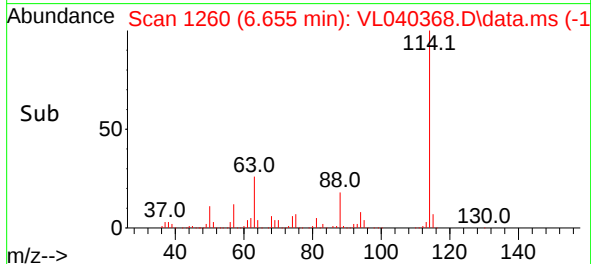
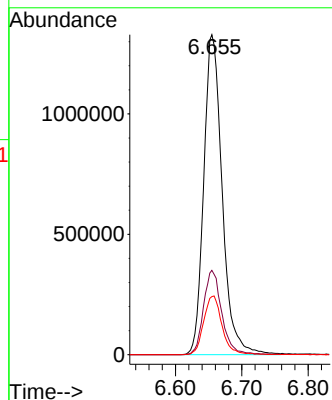
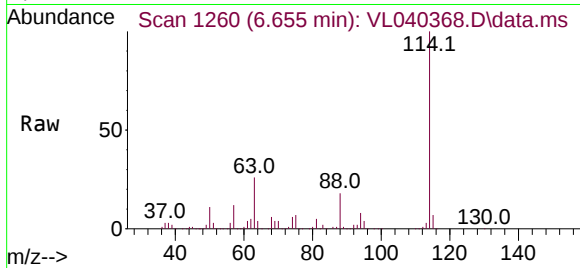




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040368.D
Acq: 13 Apr 2023 20:45

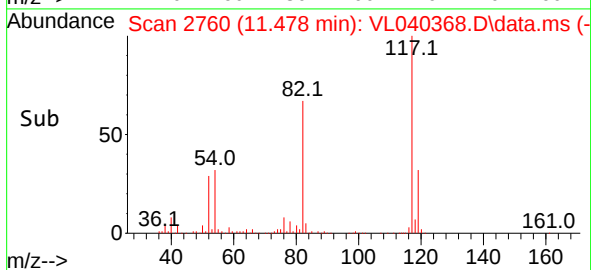
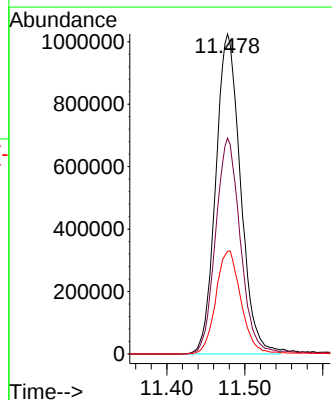
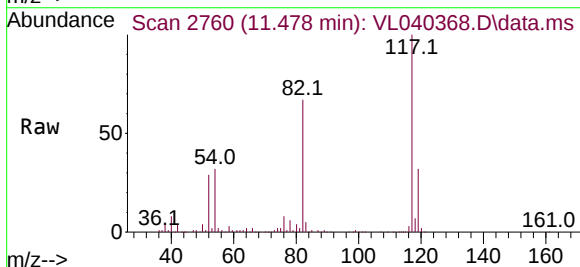
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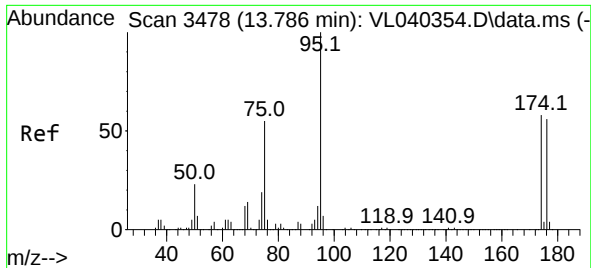
Tgt Ion:114 Resp: 2574307
Ion Ratio Lower Upper
114 100
63 26.2 21.4 32.0
88 18.3 14.6 22.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL040368.D
Acq: 13 Apr 2023 20:45

Tgt Ion:117 Resp: 2264052
Ion Ratio Lower Upper
117 100
82 68.4 52.5 78.7
119 32.8 24.3 36.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.730 ppbv
 RT: 13.793 min Scan# 34
 Delta R.T. 0.007 min
 Lab File: VL040368.D
 Acq: 13 Apr 2023 20:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-24-20230412DL

Tgt Ion: 95 Resp: 1821673
 Ion Ratio Lower Upper
 95 100
 174 59.7 47.2 70.8
 175 4.2 3.5 5.3

