

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040899.D
 Acq On : 17 Nov 2023 17:47
 Operator : SY/MD
 Sample : 05474-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL

Quant Time: Nov 20 04:00:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

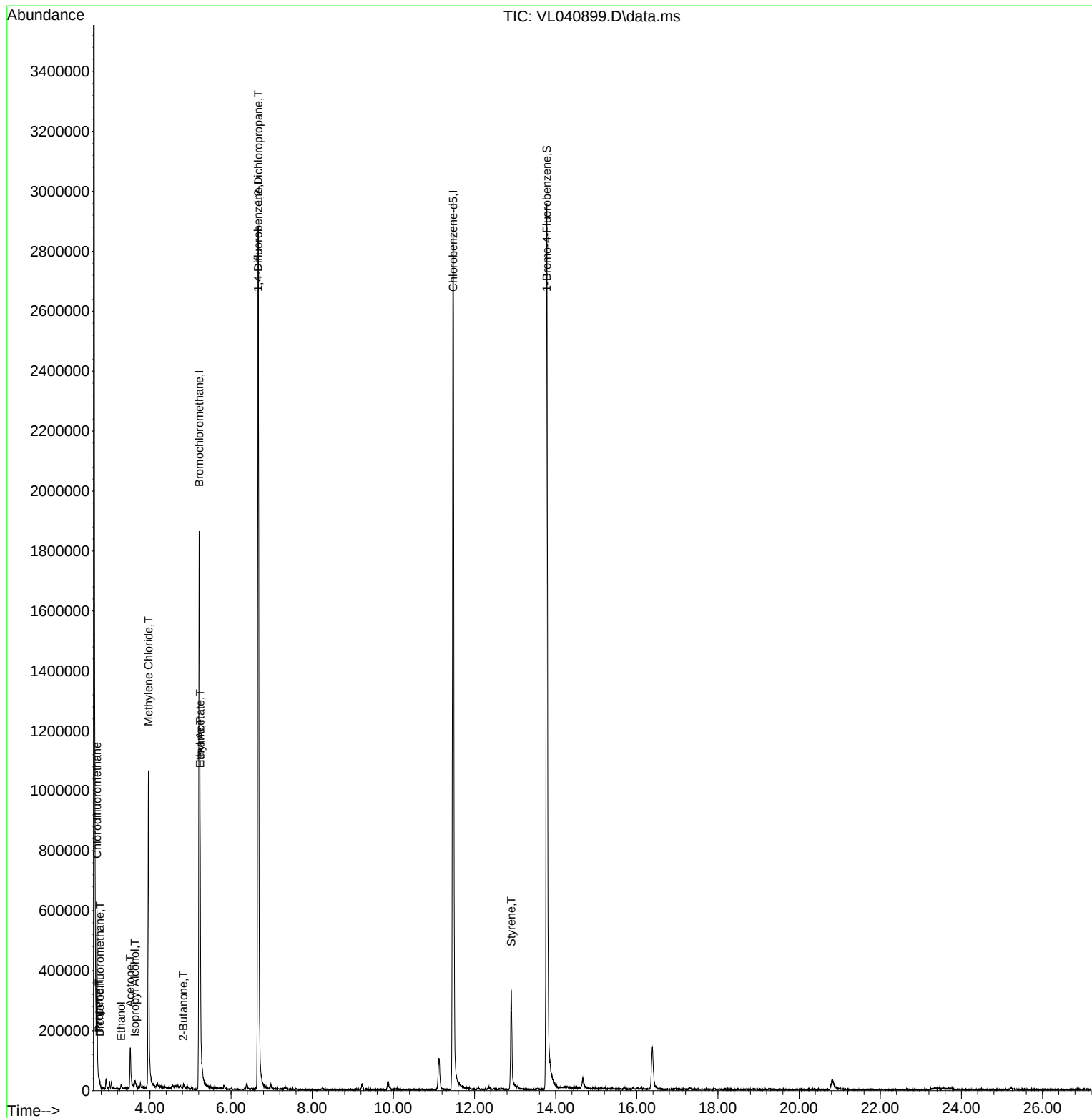
Internal Standards						
1) Bromochloromethane	5.214	49	886091	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2099419	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	1865033	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1488187	10.192	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.767	85	8261	0.046	ppbv	92
3) Chlorodifluoromethane	2.693	51	319963	2.262	ppbv #	58
9) Propene	2.745	41	5891	0.124	ppbv	99
13) Ethanol	3.292	45	8352	0.902	ppbv #	100
15) Acetone	3.510	43	151742	1.608	ppbv	95
19) Isopropyl Alcohol	3.632	45	18360	0.323	ppbv #	72
20) Methylene Chloride	3.964	84	345043	8.859	ppbv	94
25) Ethyl Acetate	5.237	43	141377	0.724	ppbv #	78
26) Hexane	5.237	57	187388	2.167	ppbv #	40
34) 2-Butanone	4.822	43	4030	0.038	ppbv	94
39) 1,2-Dichloropropane	6.671	63	549033	8.127	ppbv #	24
61) Styrene	12.905	104	188408	1.980	ppbv	96

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

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Quant Time: Nov 20 04:00:27 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

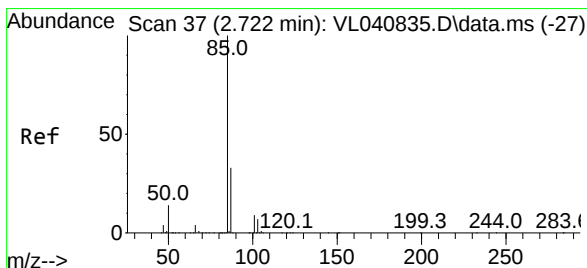
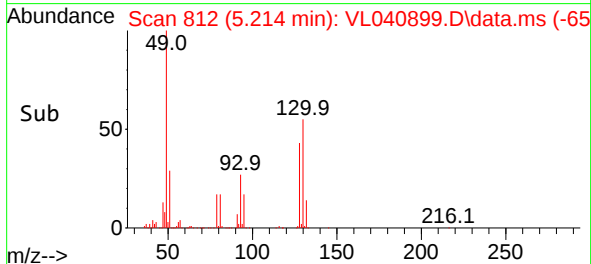
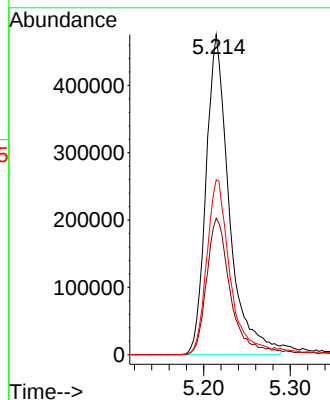
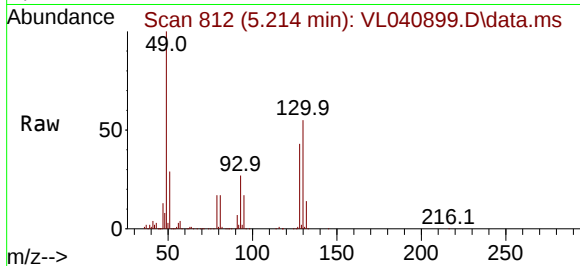




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040899.D
Acq: 17 Nov 2023 17:47

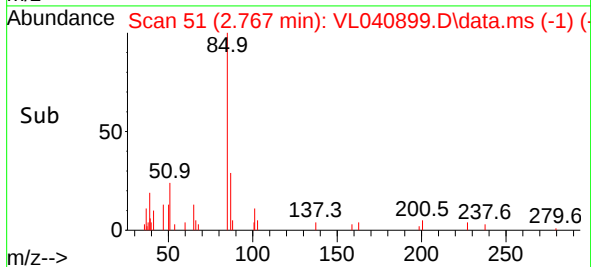
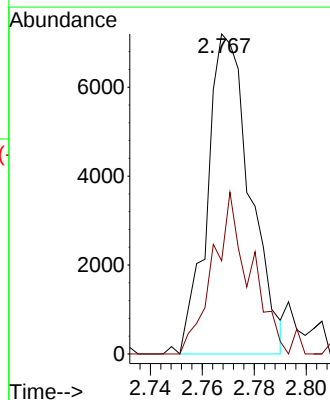
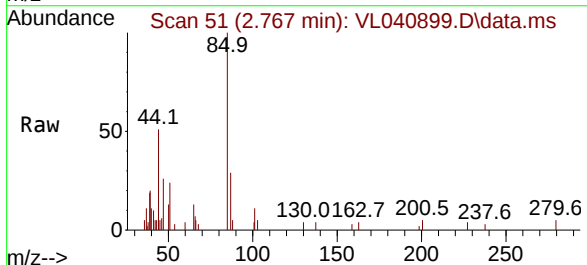
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

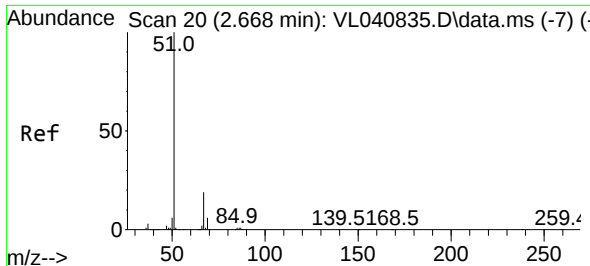
Tgt Ion: 49 Resp: 886091
Ion Ratio Lower Upper
49 100
128 45.1 23.8 71.2
130 58.3 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.046 ppbv
RT: 2.767 min Scan# 51
Delta R.T. -0.007 min
Lab File: VL040899.D
Acq: 17 Nov 2023 17:47

Tgt Ion: 85 Resp: 8261
Ion Ratio Lower Upper
85 100
87 29.1 26.7 40.1

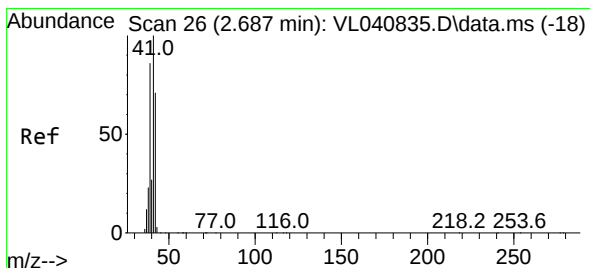
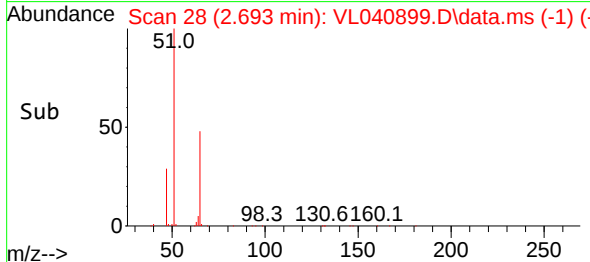
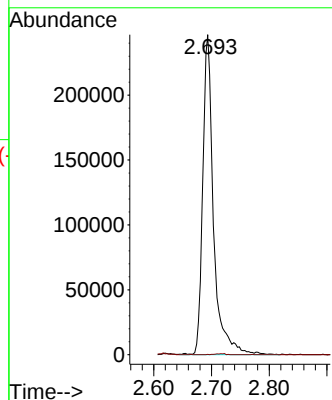
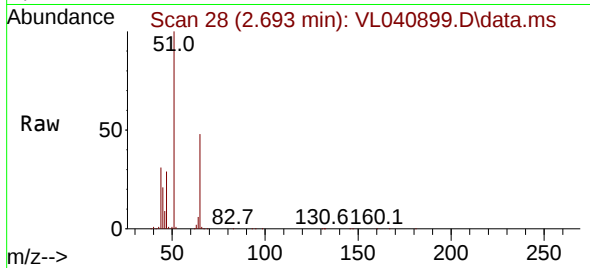




#3
Chlorodifluoromethane
Concen: 2.262 ppbv
RT: 2.693 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040899.D
Acq: 17 Nov 2023 17:47

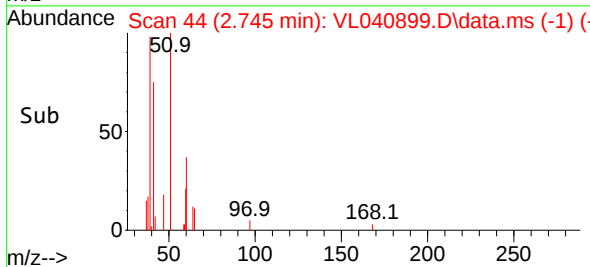
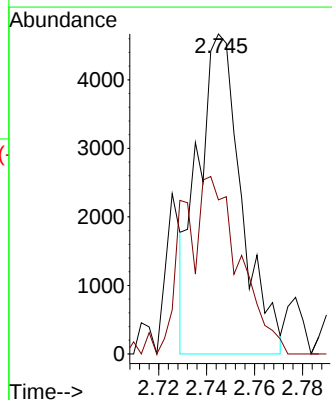
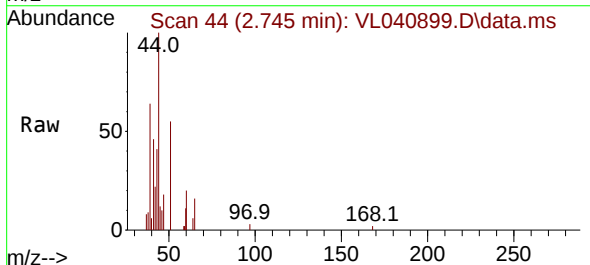
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

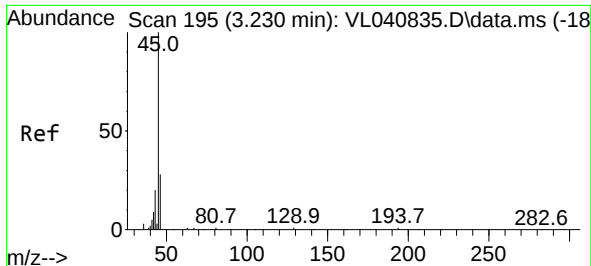
Tgt Ion: 51 Resp: 319963
Ion Ratio Lower Upper
51 100
67 0.0 15.0 22.4#



#9
Propene
Concen: 0.124 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.006 min
Lab File: VL040899.D
Acq: 17 Nov 2023 17:47

Tgt Ion: 41 Resp: 5891
Ion Ratio Lower Upper
41 100
42 71.7 56.5 84.7

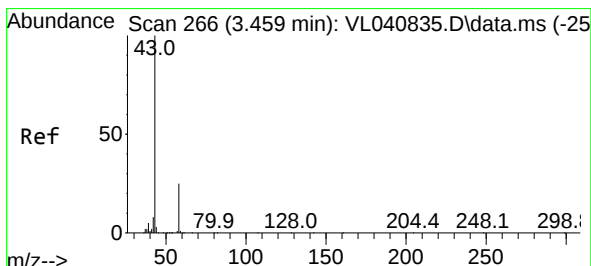
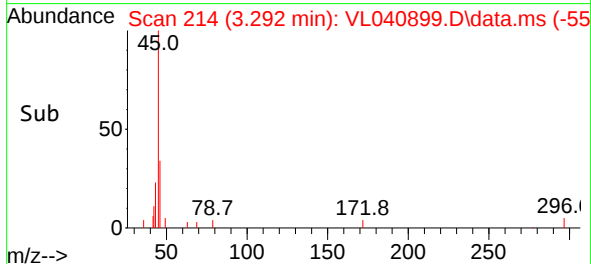
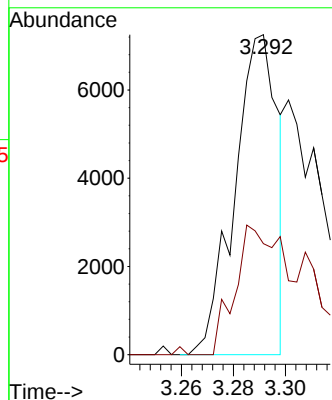
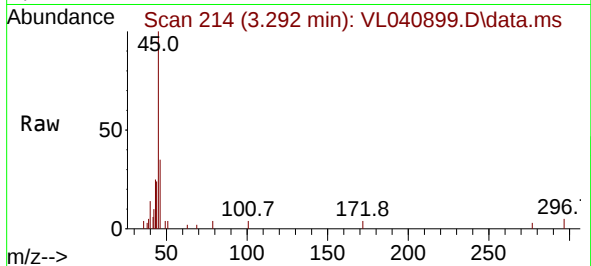




#13
 Ethanol
 Concen: 0.902 ppbv
 RT: 3.292 min Scan# 214
 Delta R.T. 0.013 min
 Lab File: VL040899.D
 Acq: 17 Nov 2023 17:47

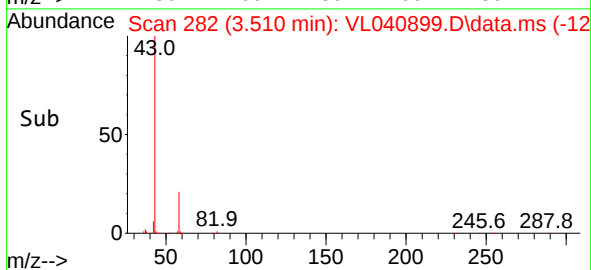
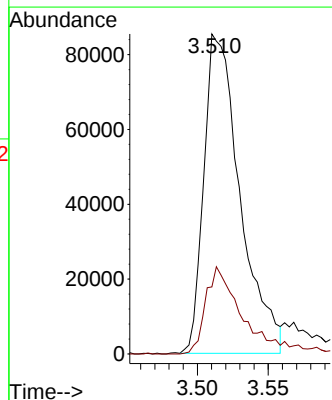
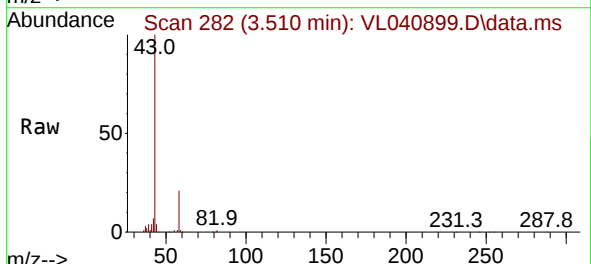
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL

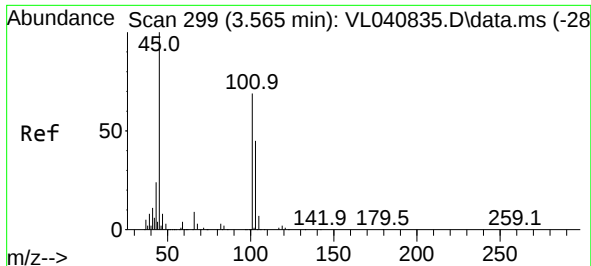
Tgt Ion: 45 Resp: 8352
 Ion Ratio Lower Upper
 45 100
 46 78.7 0.0 0.0#



#15
 Acetone
 Concen: 1.608 ppbv
 RT: 3.510 min Scan# 282
 Delta R.T. 0.010 min
 Lab File: VL040899.D
 Acq: 17 Nov 2023 17:47

Tgt Ion: 43 Resp: 151742
 Ion Ratio Lower Upper
 43 100
 58 28.7 20.9 31.3





#19

Isopropyl Alcohol

Concen: 0.323 ppbv

RT: 3.632 min Scan# 31

Delta R.T. 0.022 min

Lab File: VL040899.D

Acq: 17 Nov 2023 17:47

Instrument :

MSVOA_L

ClientSampleId :

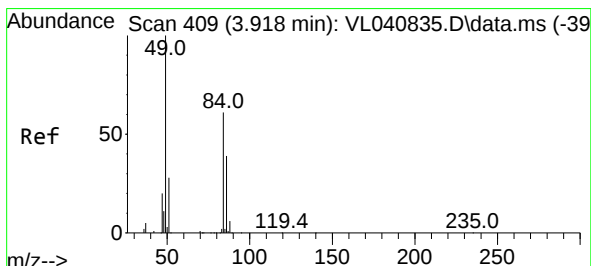
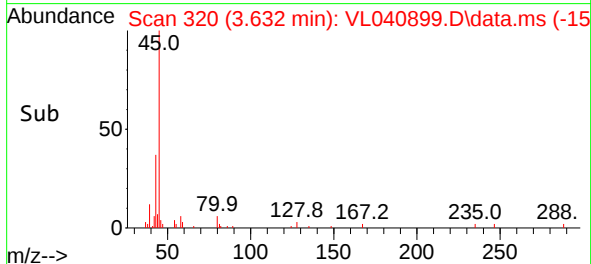
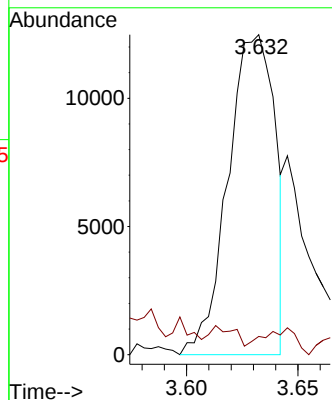
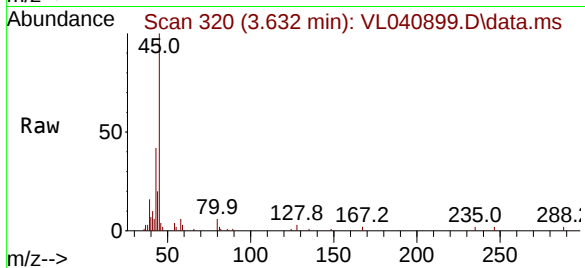
VP-2DL

Tgt Ion: 45 Resp: 18360

Ion Ratio Lower Upper

45 100

58 11.9 1.6 2.4#



#20

Methylene Chloride

Concen: 8.859 ppbv

RT: 3.964 min Scan# 423

Delta R.T. -0.000 min

Lab File: VL040899.D

Acq: 17 Nov 2023 17:47

Tgt Ion: 84 Resp: 345043

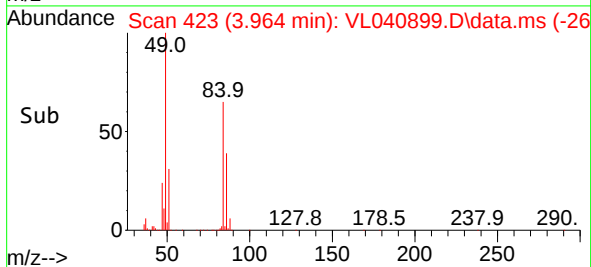
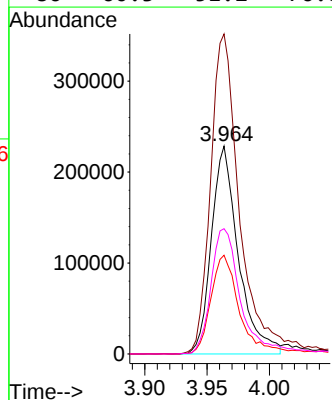
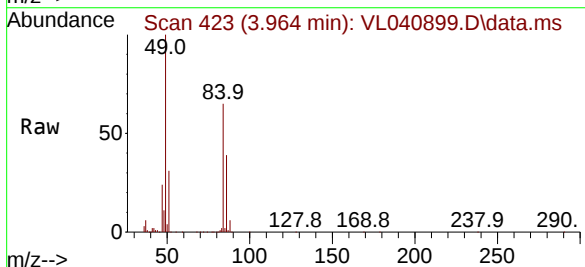
Ion Ratio Lower Upper

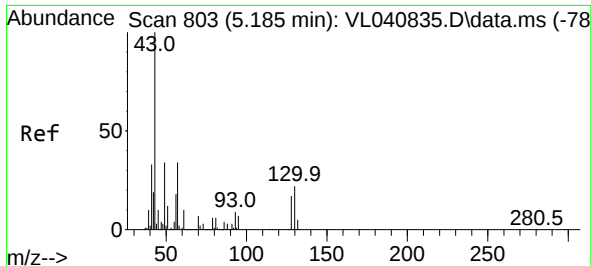
84 100

49 153.9 131.0 196.4

51 47.4 36.9 55.3

86 60.3 51.2 76.8



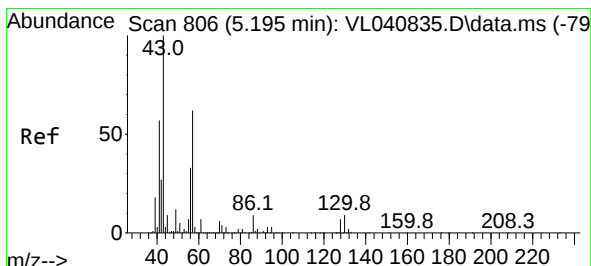
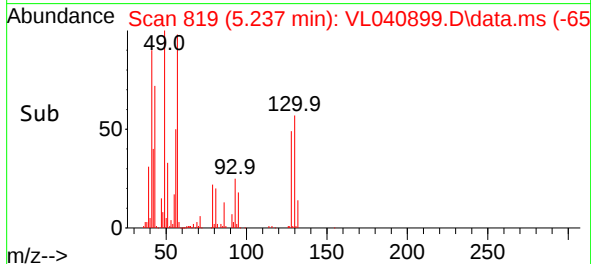
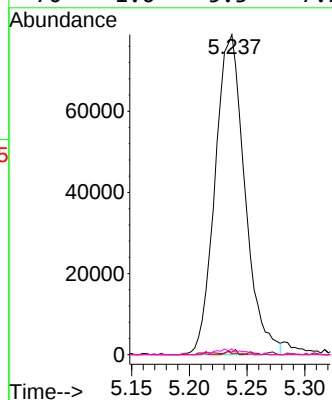
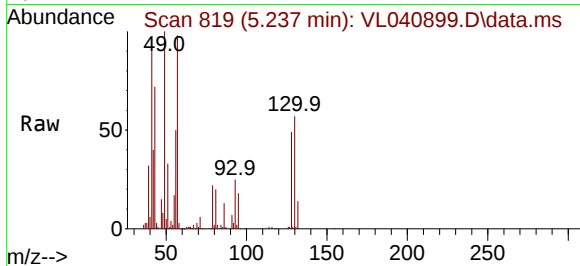


#25
Ethyl Acetate
Concen: 0.724 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.016 min
Lab File: VL040899.D
Acq: 17 Nov 2023 17:47

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

Tgt Ion: 43 Resp: 141377

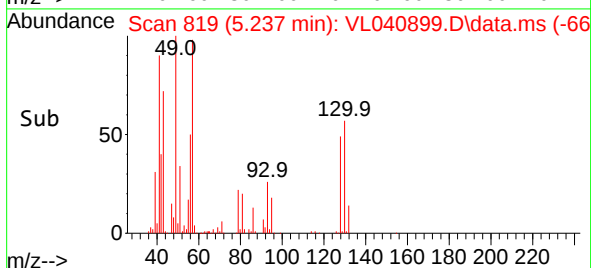
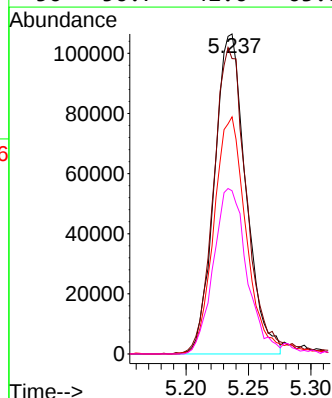
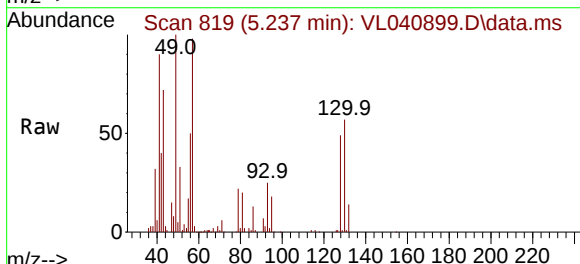
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.1	12.1#
61	0.4	7.8	11.6#
70	1.6	5.3	7.9#

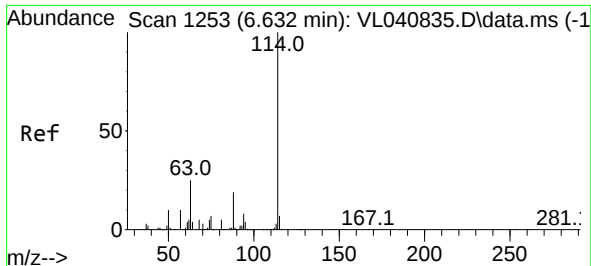


#26
Hexane
Concen: 2.167 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040899.D
Acq: 17 Nov 2023 17:47

Tgt Ion: 57 Resp: 187388

Ion	Ratio	Lower	Upper
57	100		
41	102.9	75.4	113.0
43	78.0	185.9	278.9#
56	56.7	42.6	63.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040899.D

Acq: 17 Nov 2023 17:47

Instrument :

MSVOA_L

ClientSampleId :

VP-2DL

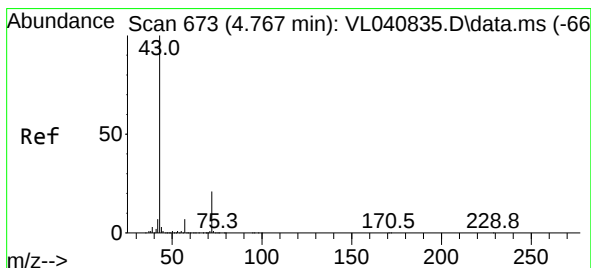
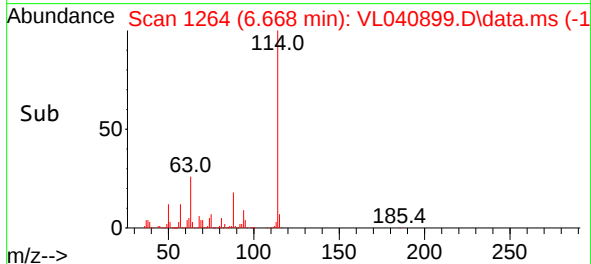
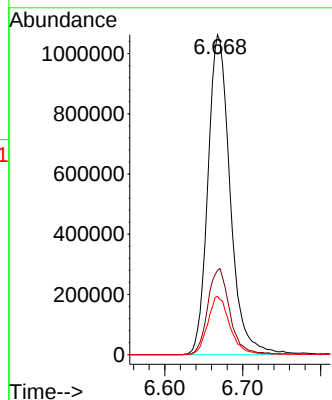
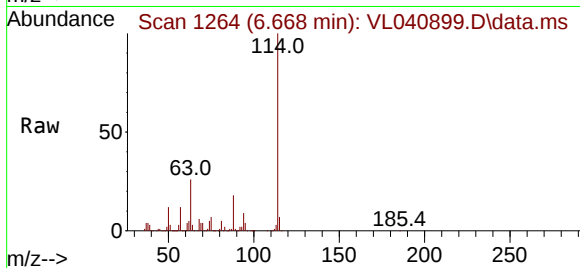
Tgt Ion:114 Resp: 2099419

Ion Ratio Lower Upper

114 100

63 27.3 20.9 31.3

88 18.4 14.3 21.5



#34

2-Butanone

Concen: 0.038 ppbv

RT: 4.822 min Scan# 690

Delta R.T. 0.016 min

Lab File: VL040899.D

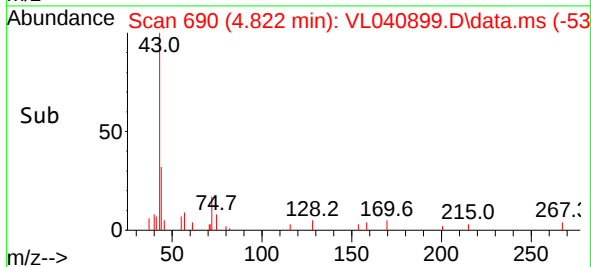
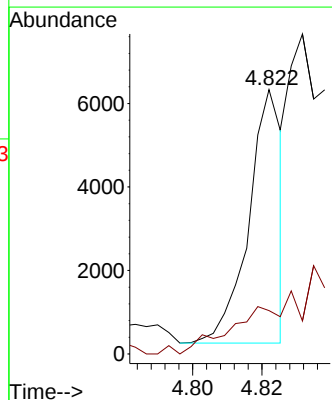
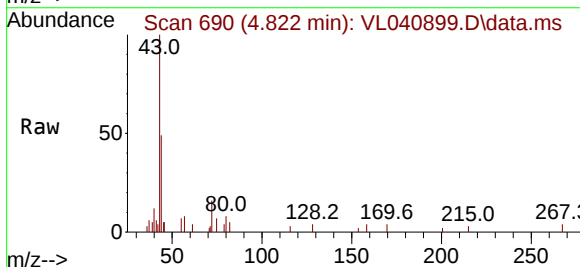
Acq: 17 Nov 2023 17:47

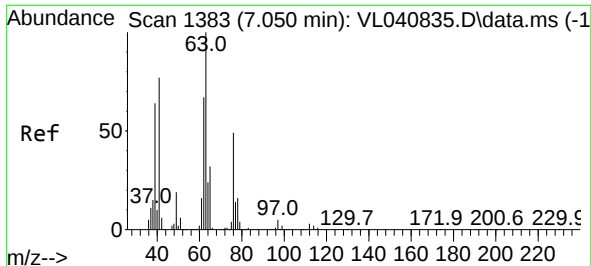
Tgt Ion: 43 Resp: 4030

Ion Ratio Lower Upper

43 100

72 24.1 17.2 25.8





#39

1,2-Dichloropropane

Concen: 8.127 ppbv

RT: 6.671 min Scan# 1

Delta R.T. -0.412 min

Lab File: VL040899.D

Acq: 17 Nov 2023 17:47

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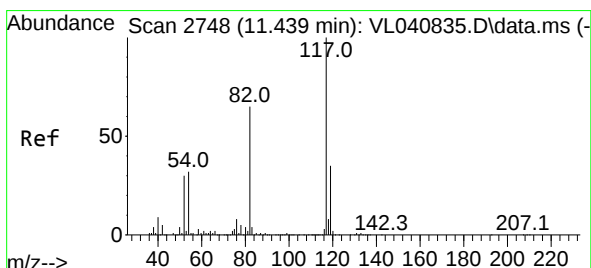
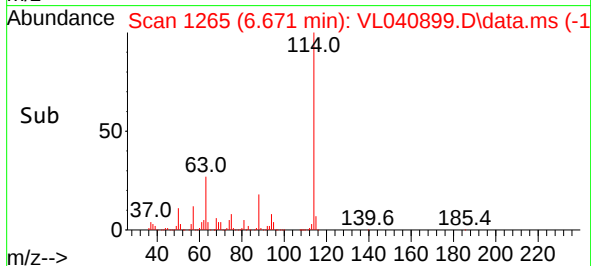
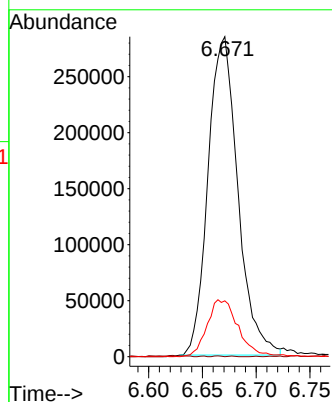
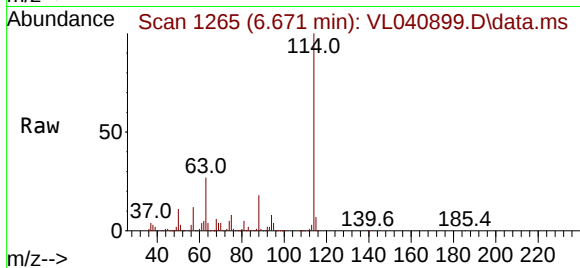
Tgt Ion: 63 Resp: 549033

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 17.5 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: VL040899.D

Acq: 17 Nov 2023 17:47

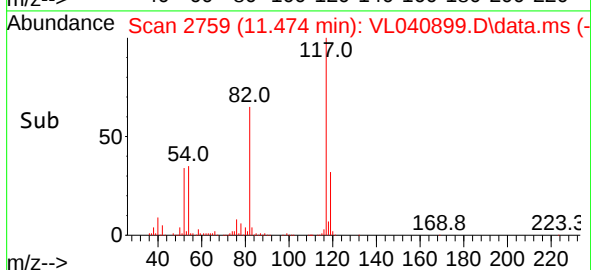
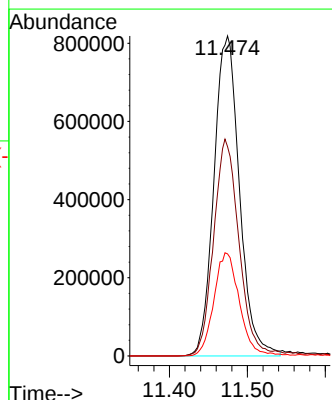
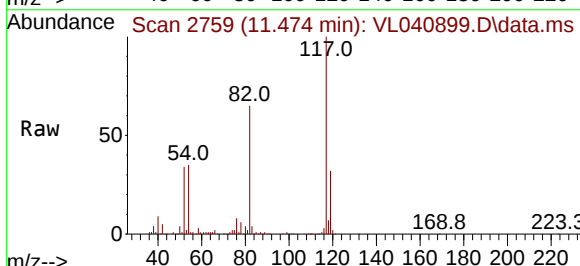
Tgt Ion: 117 Resp: 1865033

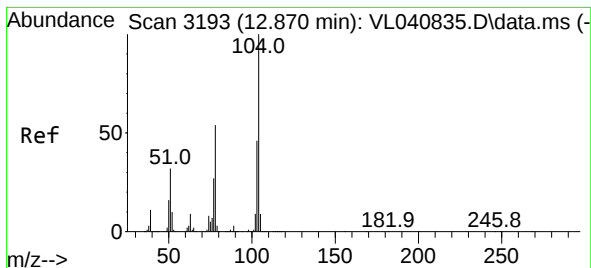
Ion Ratio Lower Upper

117 100

82 68.3 50.6 75.8

119 32.2 23.3 34.9





#61

Styrene

Concen: 1.980 ppbv

RT: 12.905 min Scan# 3193

Delta R.T. 0.013 min

Lab File: VL040899.D

Acq: 17 Nov 2023 17:47

Instrument :

MSVOA_L

ClientSampleId :

VP-2DL

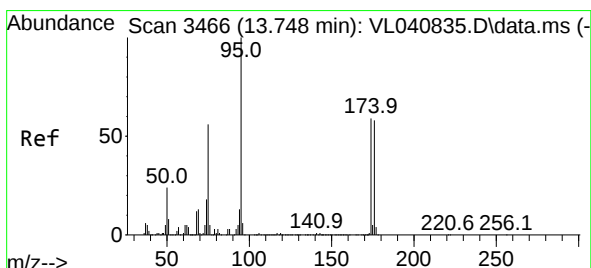
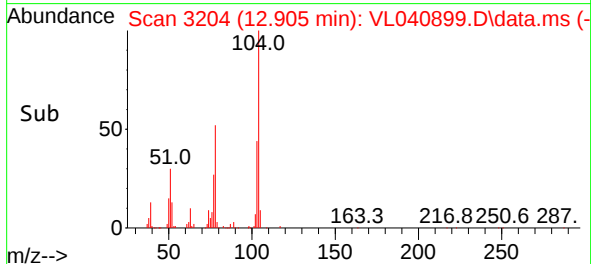
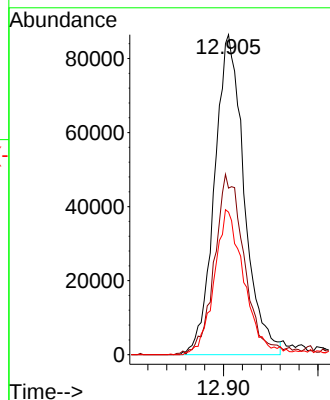
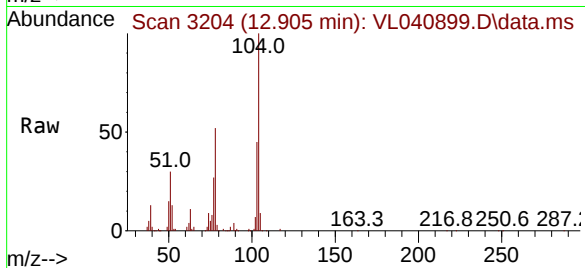
Tgt Ion:104 Resp: 188408

Ion Ratio Lower Upper

104 100

78 59.2 43.3 64.9

103 46.7 37.6 56.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.192 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.013 min

Lab File: VL040899.D

Acq: 17 Nov 2023 17:47

Tgt Ion: 95 Resp: 1488187

Ion Ratio Lower Upper

95 100

174 60.8 47.5 71.3

175 4.2 3.6 5.4

