

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040339.D
 Acq On : 12 Apr 2023 13:57
 Operator : SY/MD
 Sample : 02302-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-17_20230411DL

Quant Time: Apr 13 05:37:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

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

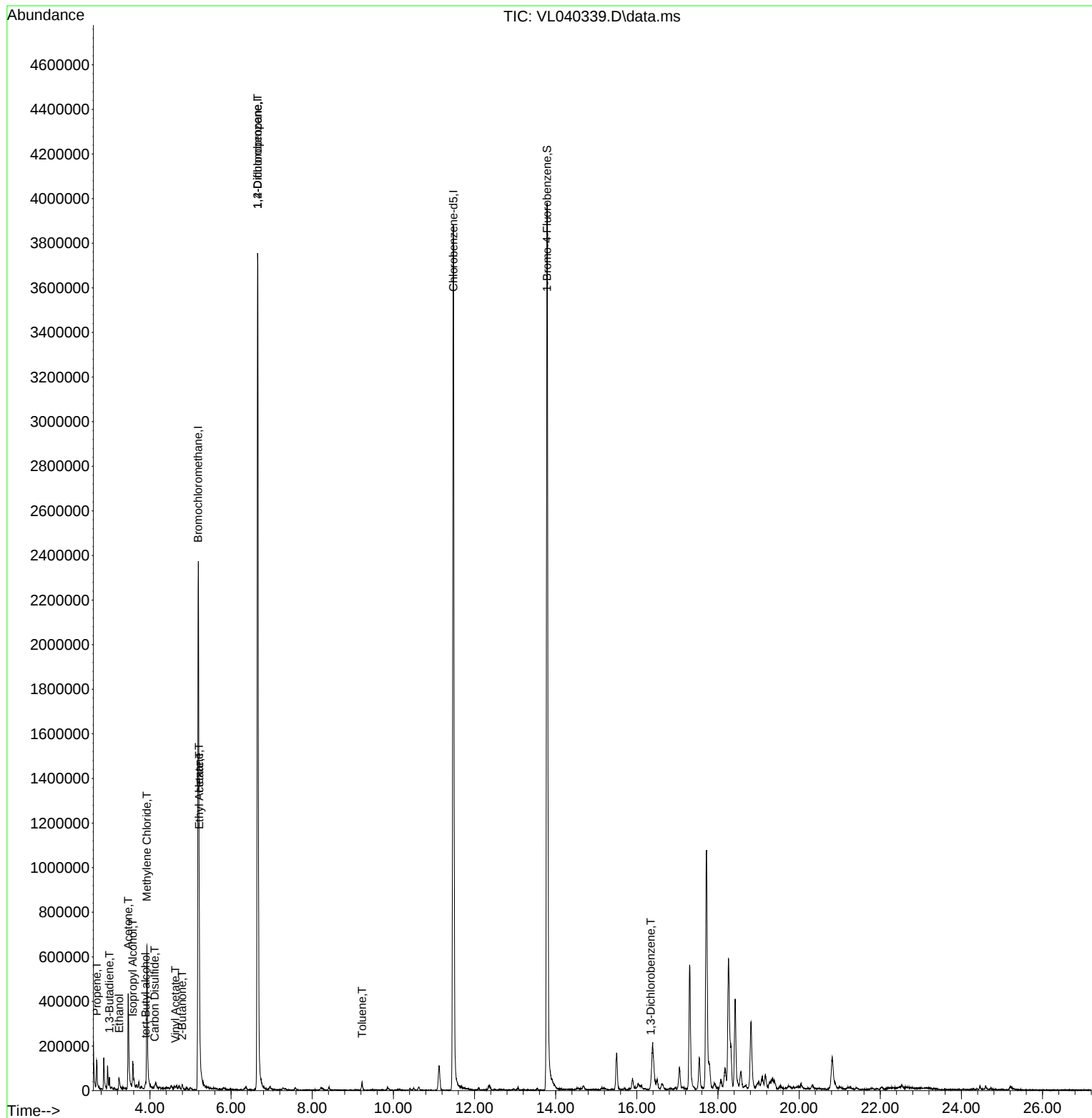
Internal Standards						
1) Bromochloromethane	5.189	49	1112224	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2830708	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2511329	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1987935	9.453	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%
Target Compounds						
					Qvalue	
9) Propene	2.687	41	39445	0.736	ppbv	90
13) Ethanol	3.240	45	58495	14.886	ppbv	99
15) Acetone	3.465	43	481387	3.555	ppbv	97
16) 1,3-Butadiene	3.002	39	6467	0.105	ppbv #	79
17) tert-Butyl alcohol	3.896	59	19831	0.154	ppbv	96
19) Isopropyl Alcohol	3.578	45	117132	1.806	ppbv #	1
20) Methylene Chloride	3.925	84	206626	3.627	ppbv	93
23) Vinyl Acetate	4.629	43	1214	0.032	ppbv #	84
25) Ethyl Acetate	5.214	43	130377	0.514	ppbv #	76
26) Hexane	5.211	57	186533	1.793	ppbv #	37
27) Carbon Disulfide	4.115	76	6540	0.045	ppbv #	47
34) 2-Butanone	4.793	43	25197	0.180	ppbv	98
39) 1,2-Dichloropropane	6.655	63	705143	8.332	ppbv #	24
53) Toluene	9.227	91	7048	0.031	ppbv #	21
75) 1,3-Dichlorobenzene	16.346	146	5524	0.036	ppbv #	3

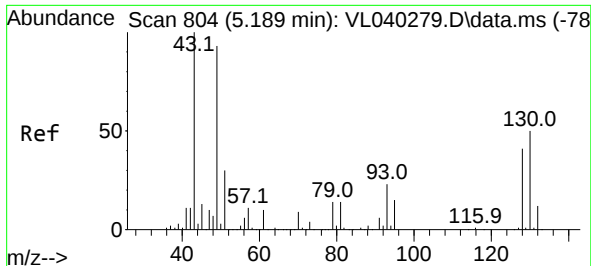
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-17_20230411DL

Quant Time: Apr 13 05:37:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Apr 11 04:15:53 2023
Response via : Initial Calibration



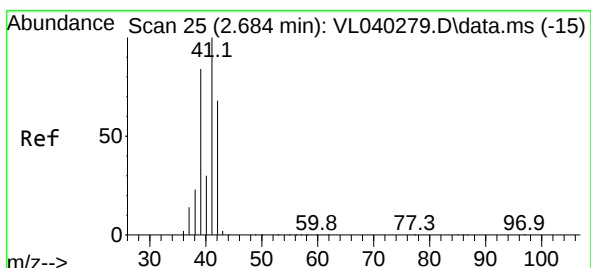
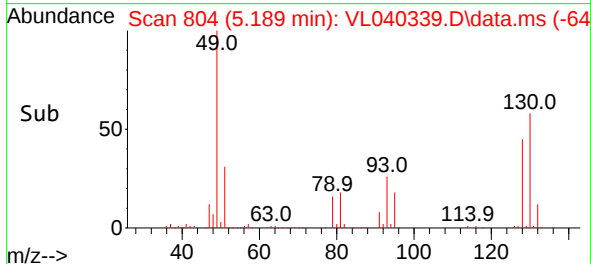
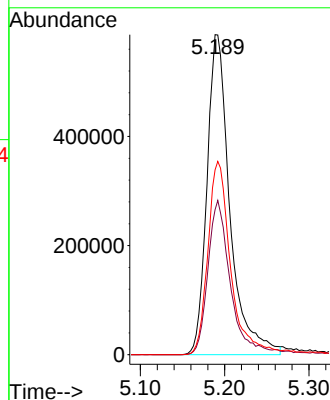
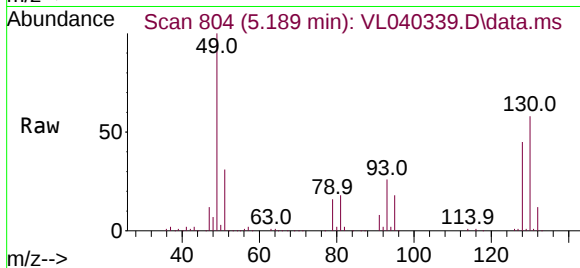


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040339.D
Acq: 12 Apr 2023 13:57

Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411DL

Tgt Ion: 49 Resp: 1112224

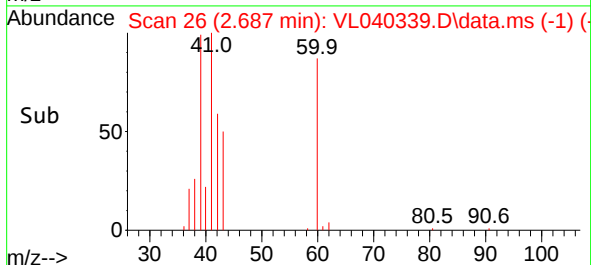
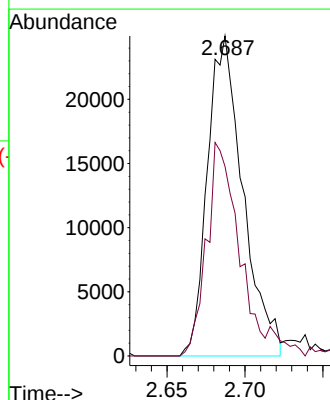
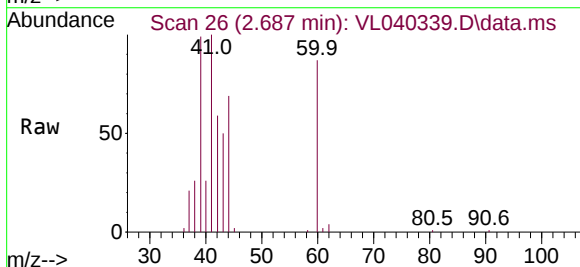
Ion	Ratio	Lower	Upper
49	100		
128	48.9	22.4	67.3
130	62.2	28.7	86.1

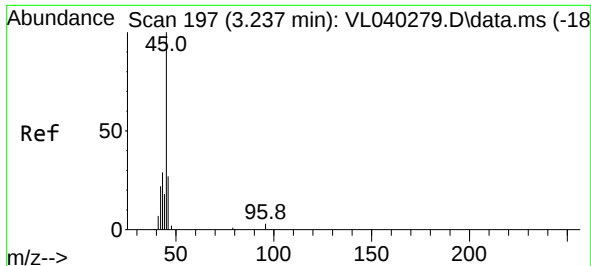


#9
Propene
Concen: 0.736 ppbv
RT: 2.687 min Scan# 26
Delta R.T. 0.003 min
Lab File: VL040339.D
Acq: 12 Apr 2023 13:57

Tgt Ion: 41 Resp: 39445

Ion	Ratio	Lower	Upper
41	100		
42	65.1	59.0	88.4

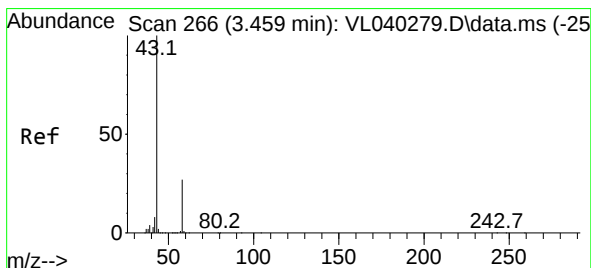
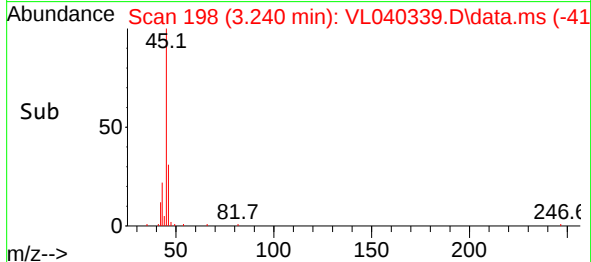
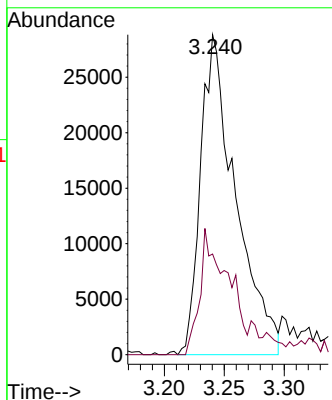
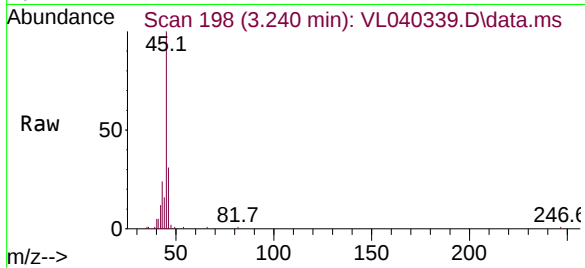




#13
 Ethanol
 Concen: 14.886 ppbv
 RT: 3.240 min Scan# 197
 Delta R.T. 0.003 min
 Lab File: VL040339.D
 Acq: 12 Apr 2023 13:57

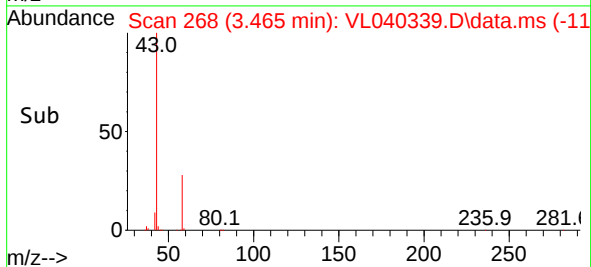
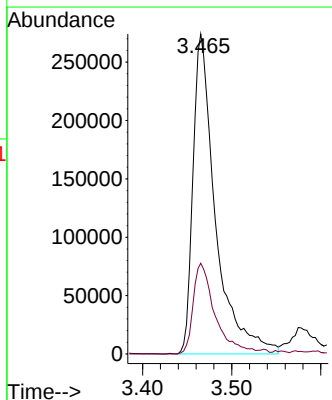
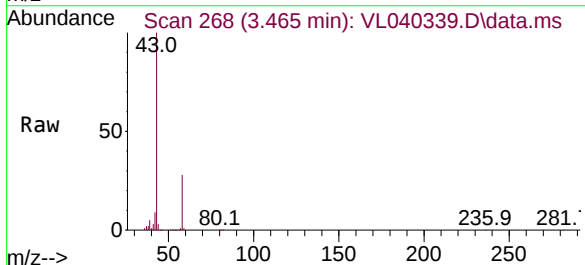
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-17_20230411DL

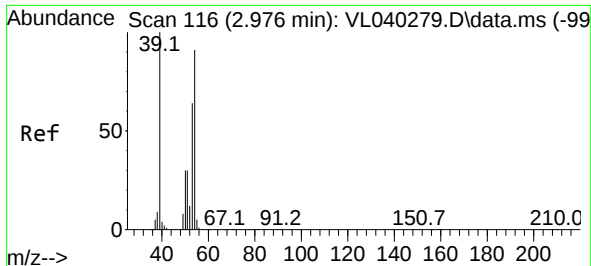
Tgt Ion: 45 Resp: 58495
 Ion Ratio Lower Upper
 45 100
 46 37.1 15.0 60.2



#15
 Acetone
 Concen: 3.555 ppbv
 RT: 3.465 min Scan# 268
 Delta R.T. 0.006 min
 Lab File: VL040339.D
 Acq: 12 Apr 2023 13:57

Tgt Ion: 43 Resp: 481387
 Ion Ratio Lower Upper
 43 100
 58 28.6 21.8 32.8

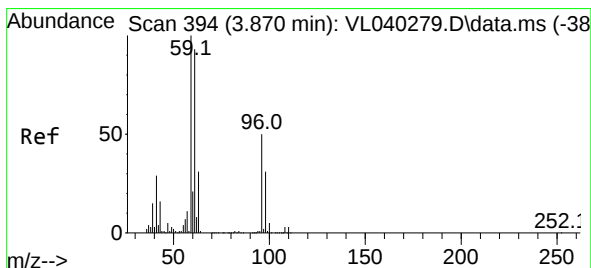
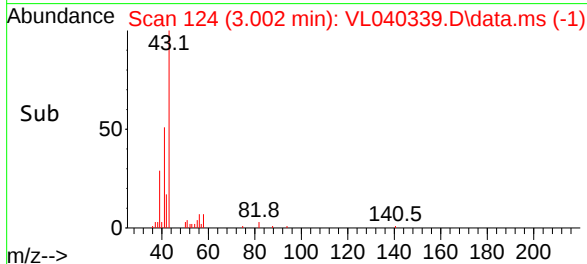
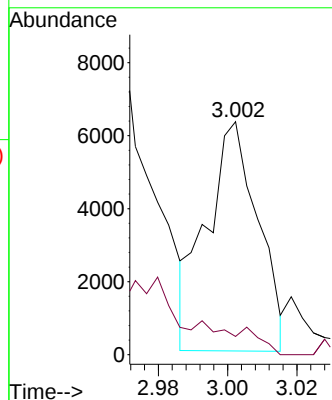
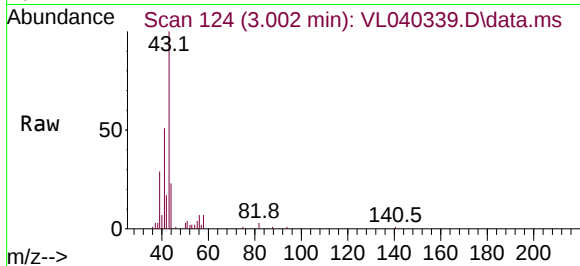




#16
1,3-Butadiene
Concen: 0.105 ppbv
RT: 3.002 min Scan# 116
Delta R.T. 0.026 min
Lab File: VL040339.D
Acq: 12 Apr 2023 13:57

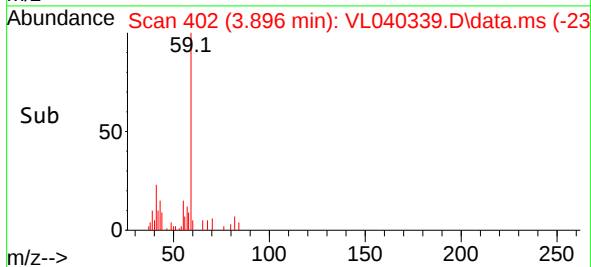
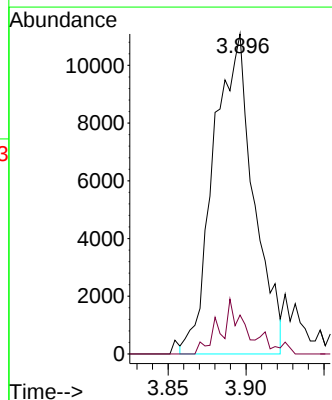
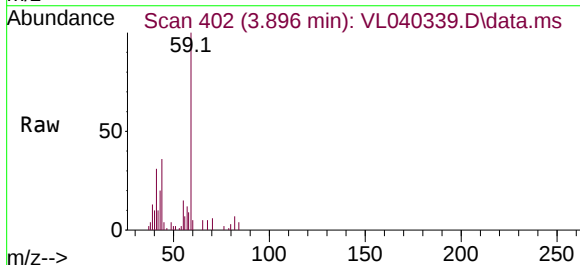
Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411DL

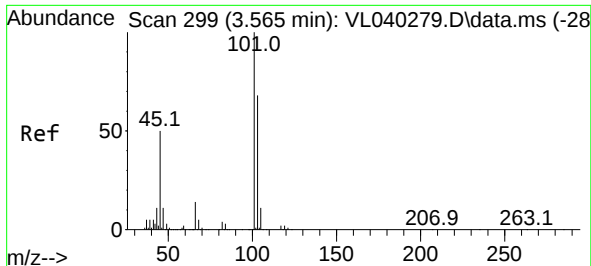
Tgt Ion: 39 Resp: 6467
Ion Ratio Lower Upper
39 100
54 66.5 68.4 102.6#



#17
tert-Butyl alcohol
Concen: 0.154 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.026 min
Lab File: VL040339.D
Acq: 12 Apr 2023 13:57

Tgt Ion: 59 Resp: 19831
Ion Ratio Lower Upper
59 100
57 12.0 8.5 12.7





#19

Isopropyl Alcohol

Concen: 1.806 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.013 min

Lab File: VL040339.D

Acq: 12 Apr 2023 13:57

Instrument :

MSVOA_L

ClientSampleId :

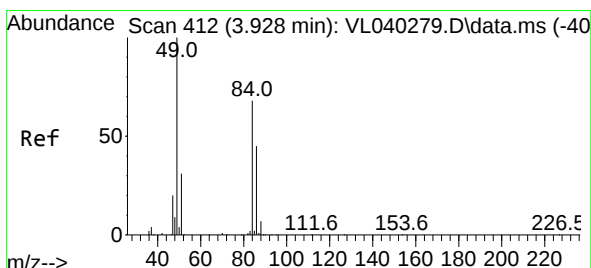
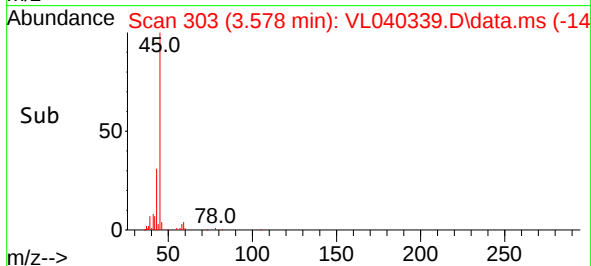
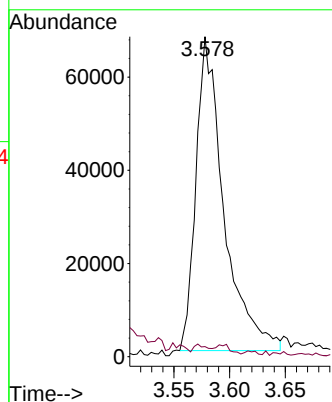
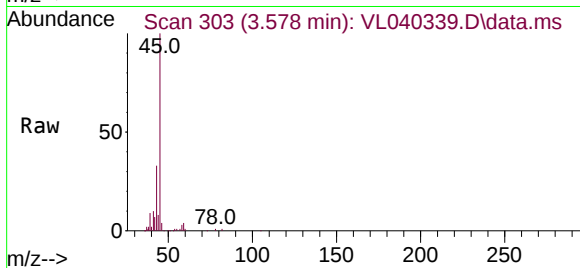
SV-17_20230411DL

Tgt Ion: 45 Resp: 117132

Ion Ratio Lower Upper

45 100

58 117.7 2.7 4.1#



#20

Methylene Chloride

Concen: 3.627 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.003 min

Lab File: VL040339.D

Acq: 12 Apr 2023 13:57

Tgt Ion: 84 Resp: 206626

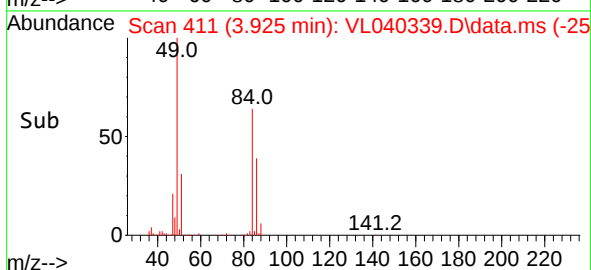
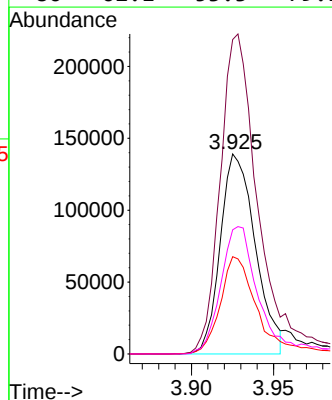
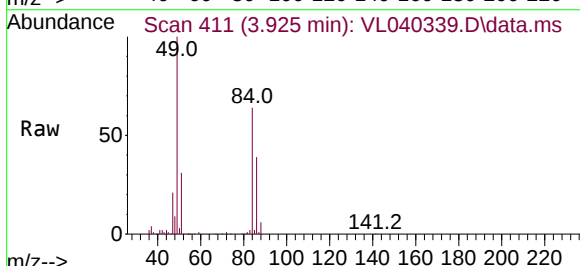
Ion Ratio Lower Upper

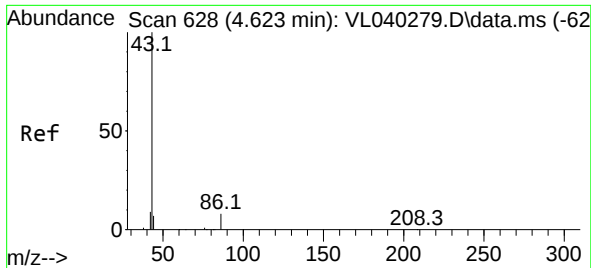
84 100

49 157.2 117.5 176.3

51 48.4 36.9 55.3

86 62.1 53.3 79.9

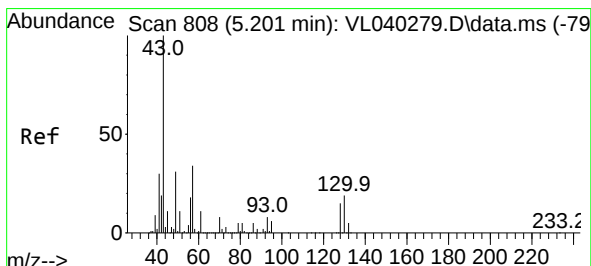
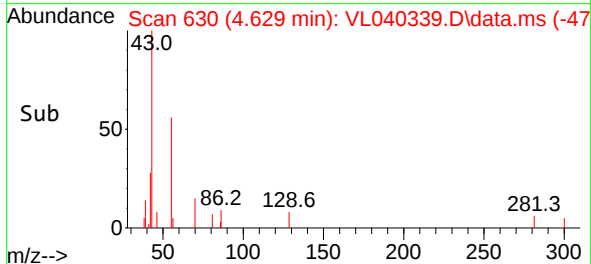
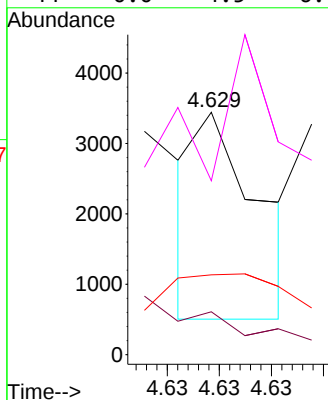
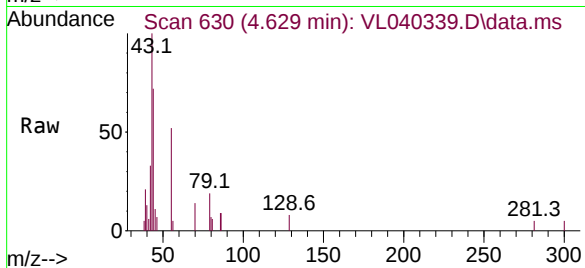




#23
 Vinyl Acetate
 Concen: 0.032 ppbv
 RT: 4.629 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL040339.D
 Acq: 12 Apr 2023 13:57

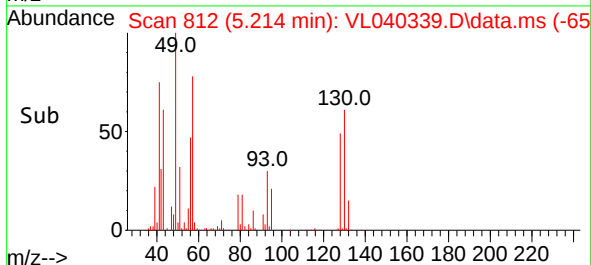
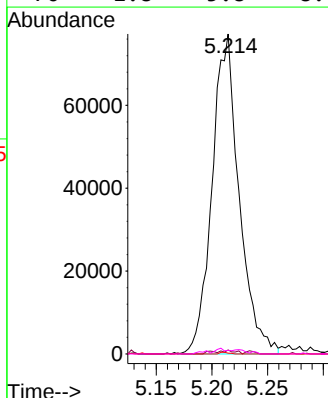
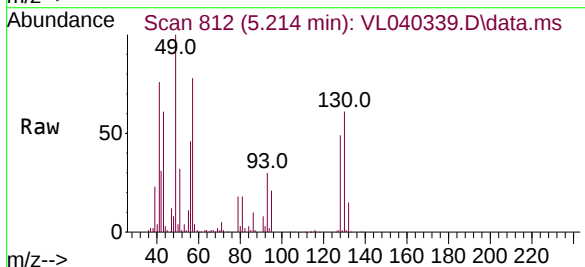
Instrument :
 MSVOA_1
 ClientSampleId :
 SV-17_20230411DL

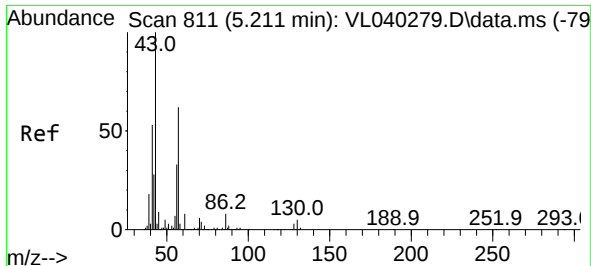
Tgt Ion:	43	Resp:	1214
Ion	Ratio	Lower	Upper
43	100		
86	18.9	5.0	7.4#
42	12.8	9.1	13.7
44	0.0	4.5	6.7#



#25
 Ethyl Acetate
 Concen: 0.514 ppbv
 RT: 5.214 min Scan# 812
 Delta R.T. 0.013 min
 Lab File: VL040339.D
 Acq: 12 Apr 2023 13:57

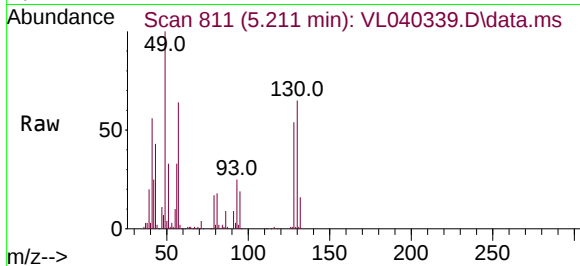
Tgt Ion:	43	Resp:	130377
Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.6	12.8#
61	0.2	8.4	12.6#
70	1.8	5.8	8.6#



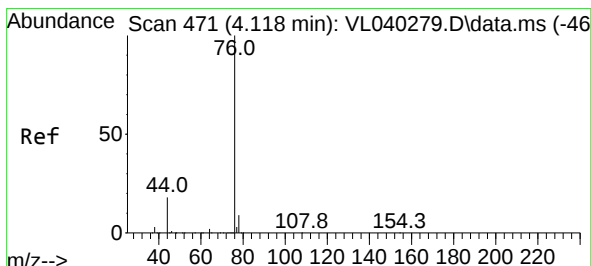
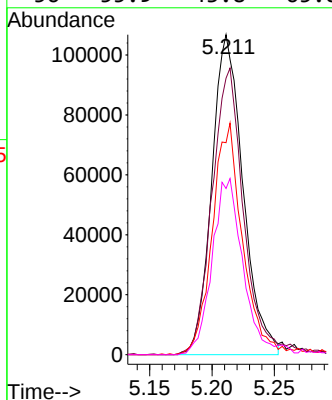
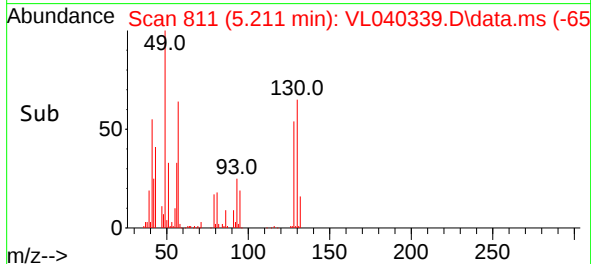


#26
Hexane
Concen: 1.793 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040339.D
Acq: 12 Apr 2023 13:57

Instrument :
MSVOA_L
ClientSampleId :
SV-17_20230411DL

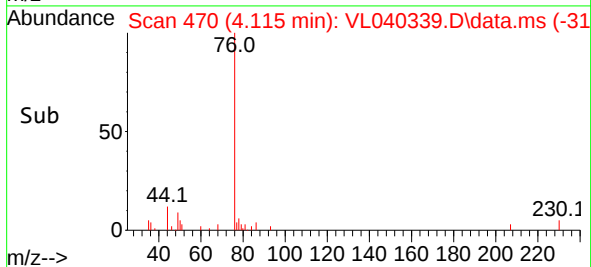
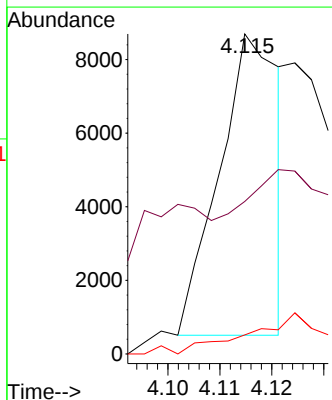
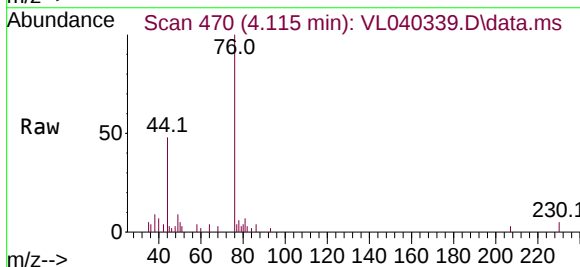


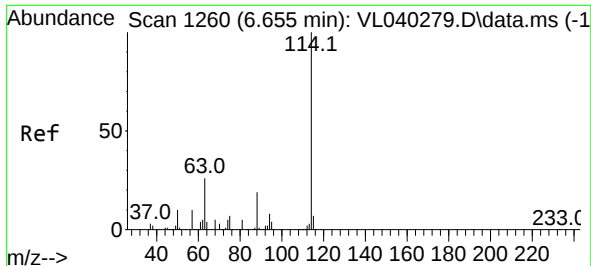
Tgt Ion:	57	Resp:	186533
Ion	Ratio	Lower	Upper
57	100		
41	92.6	73.5	110.3
43	71.6	196.3	294.5#
56	55.9	43.8	65.8



#27
Carbon Disulfide
Concen: 0.045 ppbv
RT: 4.115 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL040339.D
Acq: 12 Apr 2023 13:57

Tgt Ion:	76	Resp:	6540
Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.2	22.8#
78	36.8	7.6	11.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040339.D

Acq: 12 Apr 2023 13:57

Instrument :

MSVOA_L

ClientSampleId :

SV-17_20230411DL

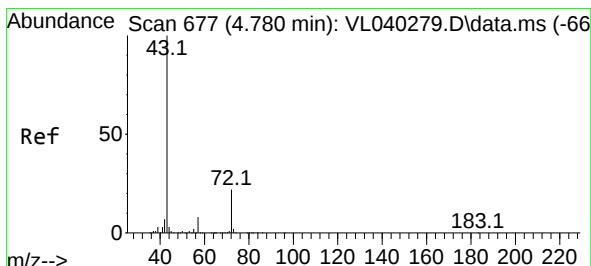
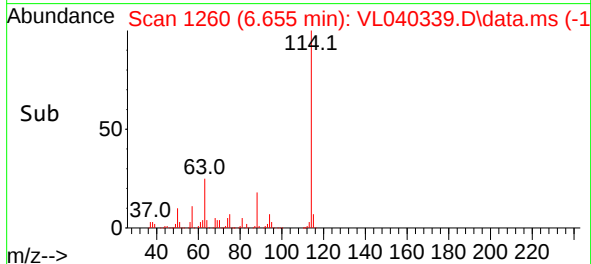
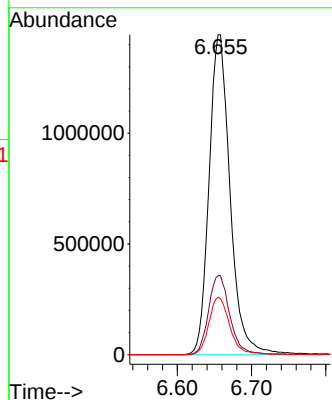
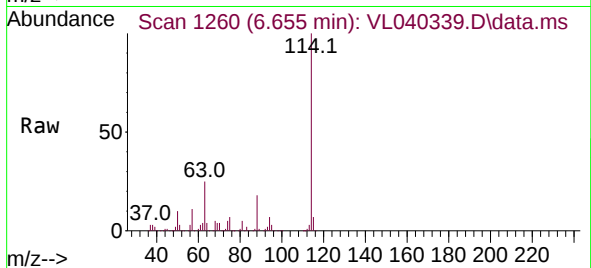
Tgt Ion:114 Resp: 2830708

Ion Ratio Lower Upper

114 100

63 25.3 21.2 31.8

88 18.0 14.5 21.7



#34

2-Butanone

Concen: 0.180 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL040339.D

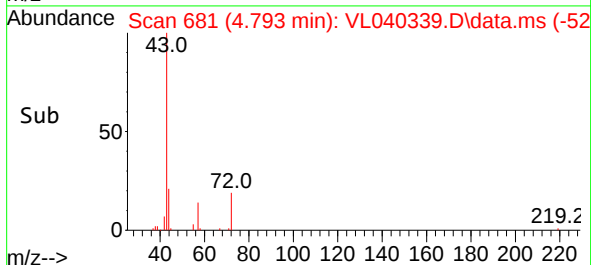
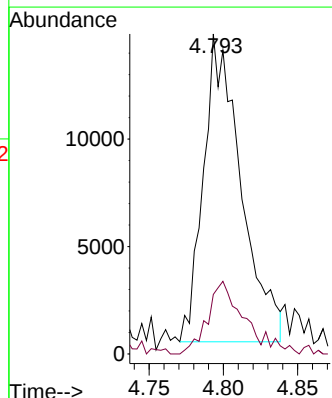
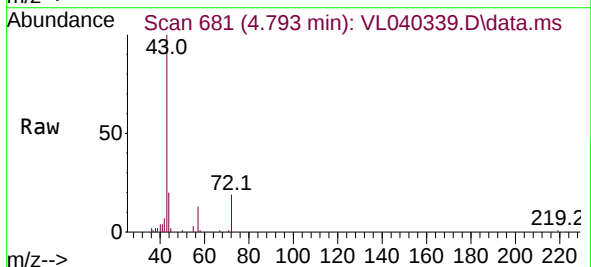
Acq: 12 Apr 2023 13:57

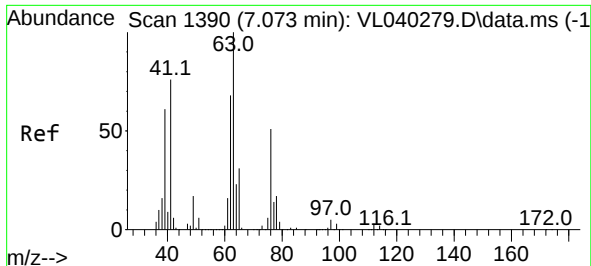
Tgt Ion: 43 Resp: 25197

Ion Ratio Lower Upper

43 100

72 24.0 18.3 27.5





#39

1,2-Dichloropropane

Concen: 8.332 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.418 min

Lab File: VL040339.D

Acq: 12 Apr 2023 13:57

Instrument :

MSVOA_L

ClientSampleId :

SV-17_20230411DL

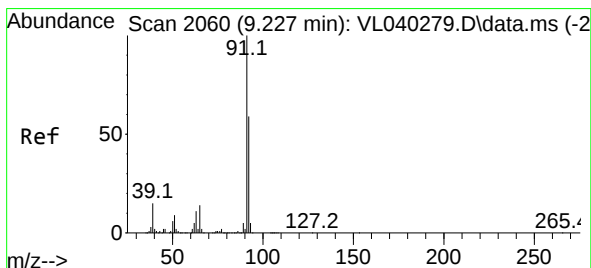
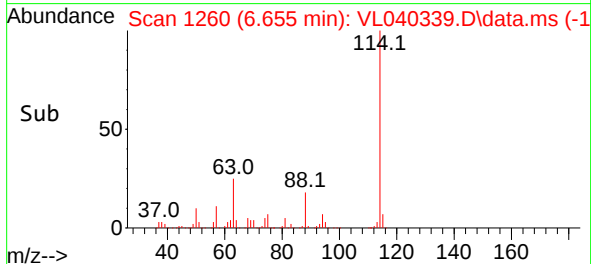
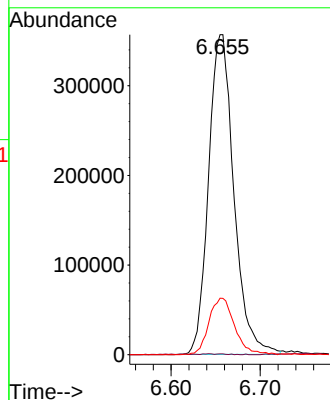
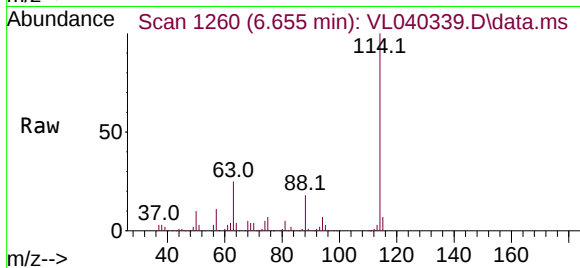
Tgt Ion: 63 Resp: 705143

Ion Ratio Lower Upper

63 100

41 0.1 60.8 91.2#

62 17.6 54.1 81.1#



#53

Toluene

Concen: 0.031 ppbv

RT: 9.227 min Scan# 2060

Delta R.T. 0.000 min

Lab File: VL040339.D

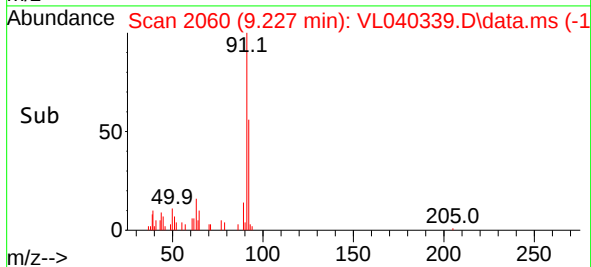
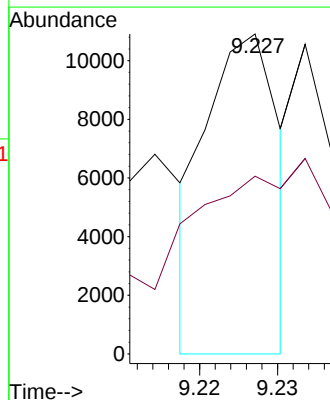
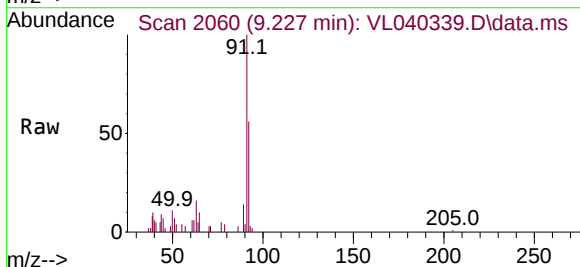
Acq: 12 Apr 2023 13:57

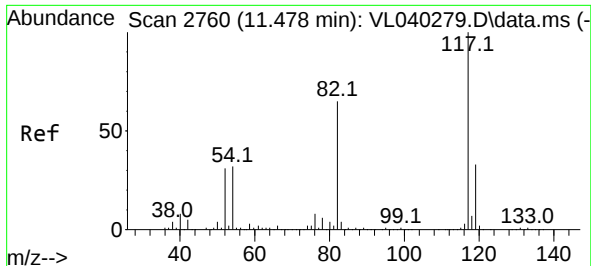
Tgt Ion: 91 Resp: 7048

Ion Ratio Lower Upper

91 100

92 0.0 48.0 72.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040339.D

Acq: 12 Apr 2023 13:57

Instrument :

MSVOA_L

ClientSampleId :

SV-17_20230411DL

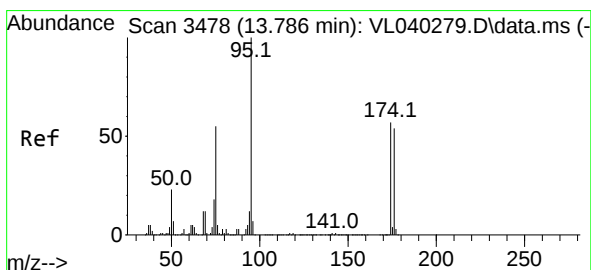
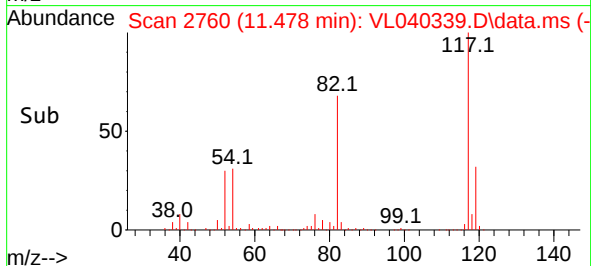
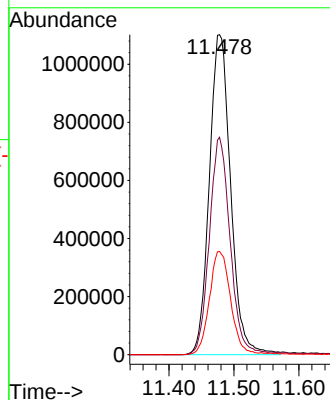
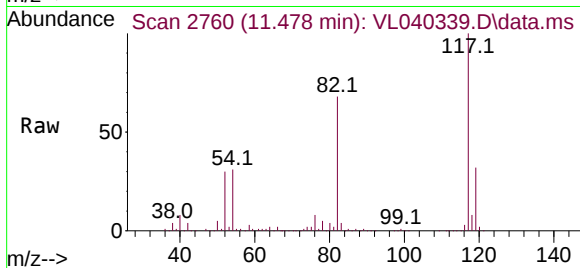
Tgt Ion:117 Resp: 2511329

Ion Ratio Lower Upper

117 100

82 67.3 51.4 77.2

119 32.5 24.0 36.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.453 ppbv

RT: 13.790 min Scan# 3479

Delta R.T. 0.004 min

Lab File: VL040339.D

Acq: 12 Apr 2023 13:57

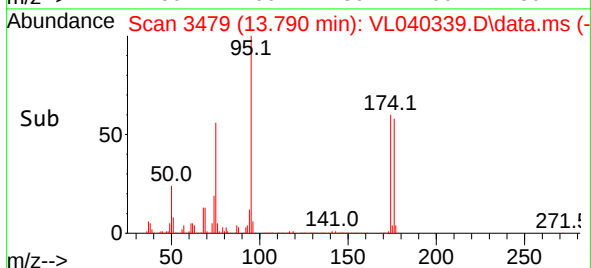
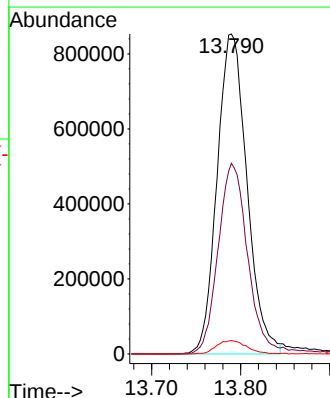
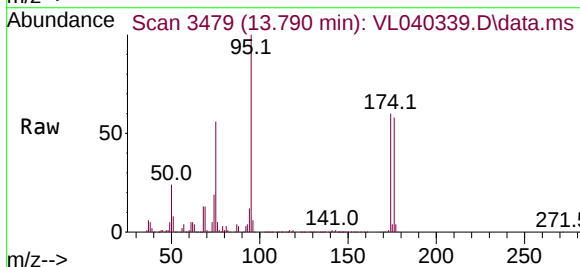
Tgt Ion: 95 Resp: 1987935

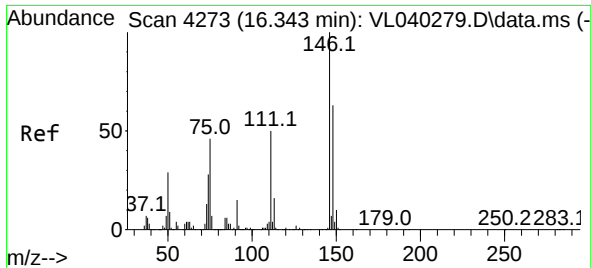
Ion Ratio Lower Upper

95 100

174 60.1 47.0 70.6

175 4.3 3.4 5.2





#75

1,3-Dichlorobenzene

Concen: 0.036 ppbv

RT: 16.346 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040339.D

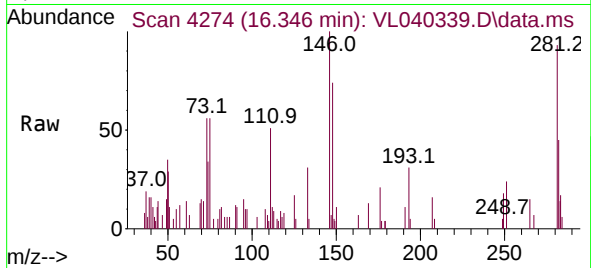
Acq: 12 Apr 2023 13:57

Instrument :

MSVOA_L

ClientSampleId :

SV-17_20230411DL



Tgt Ion:146 Resp: 5524

Ion Ratio Lower Upper

146 100

111 0.0 24.3 73.0#

148 154.4 31.9 95.5#

