

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039982.D
 Acq On : 12 Dec 2022 19:06
 Operator : SY/MD
 Sample : N5971-03DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Quant Time: Dec 13 06:13:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

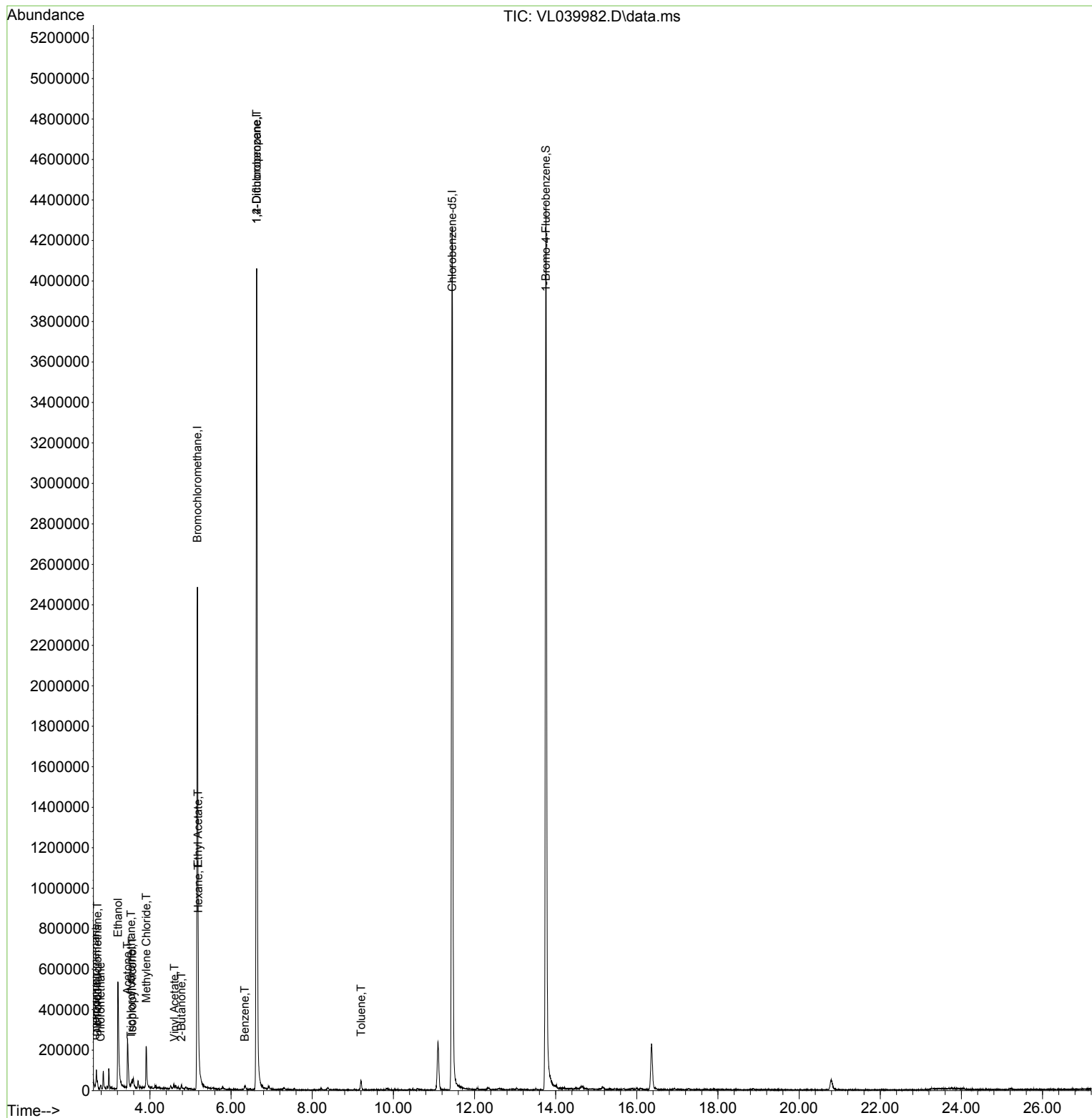
Internal Standards						
1) Bromochloromethane	5.169	49	1183832	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	3044963	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2769364	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2236100	10.571	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	22043	0.130	ppbv	100
3) Chlorodifluoromethane	2.655	51	17621	0.108	ppbv	92
4) Chloromethane	2.787	50	14402	0.138	ppbv	99
9) Propene	2.681	41	11780	0.153	ppbv #	20
11) Trichlorofluoromethane	3.536	101	9348	0.045	ppbv #	73
13) Ethanol	3.211	45	591630	100.703	ppbv	97
15) Acetone	3.449	43	230002	1.465	ppbv	99
19) Isopropyl Alcohol	3.565	45	22556	0.265	ppbv #	51
20) Methylene Chloride	3.912	84	67457	0.887	ppbv #	83
23) Vinyl Acetate	4.603	43	5628	0.087	ppbv #	92
25) Ethyl Acetate	5.189	43	32537	0.113	ppbv #	82
26) Hexane	5.192	57	43561	0.346	ppbv #	42
34) 2-Butanone	4.777	43	11114	0.076	ppbv #	49
36) Benzene	6.340	78	6477	0.025	ppbv #	65
39) 1,2-Dichloropropane	6.632	63	770916	7.645	ppbv #	26
53) Toluene	9.205	91	17802	0.060	ppbv #	19

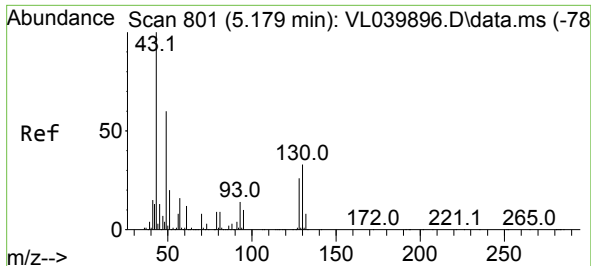
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
IA-4DL

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QLast Update : Fri Dec 02 23:21:36 2022
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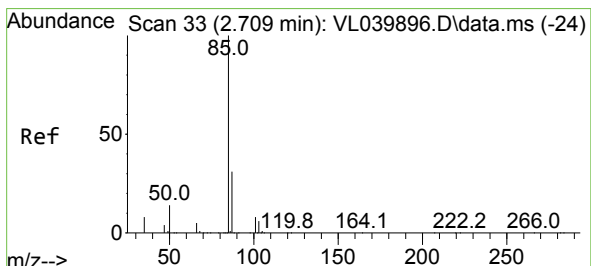
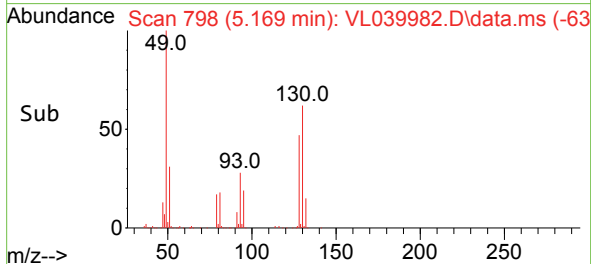
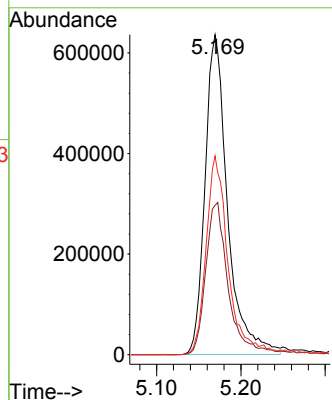
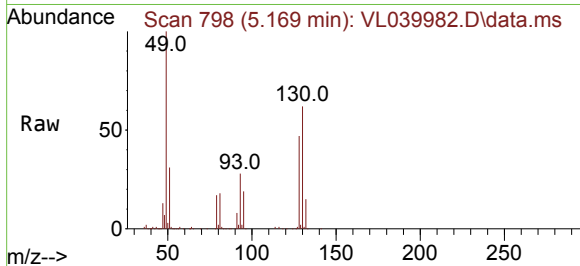




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 79
 Delta R.T. 0.013 min
 Lab File: VL039982.D
 Acq: 12 Dec 2022 19:06

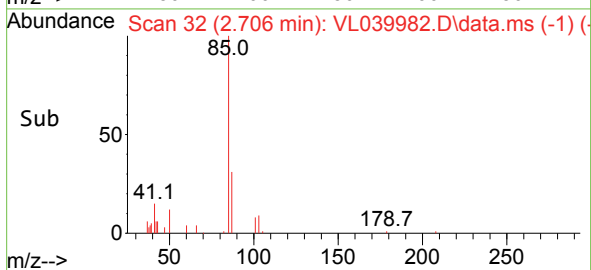
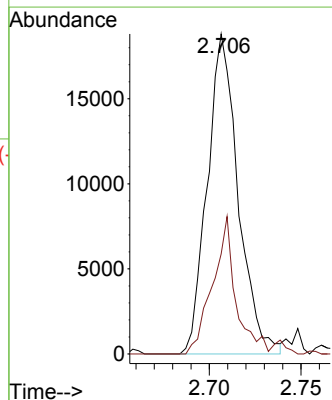
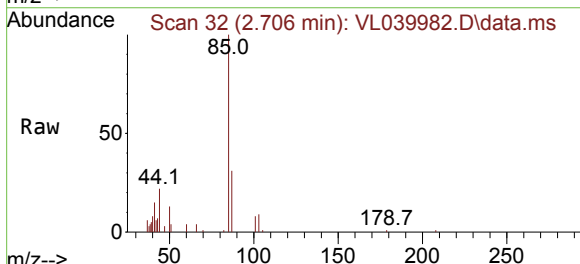
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

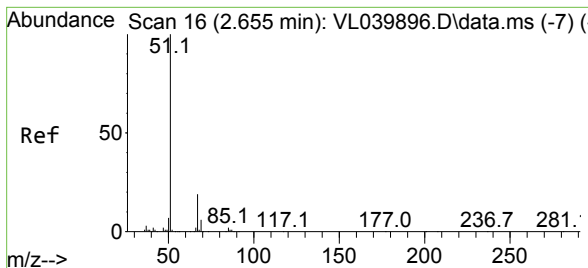
Tgt Ion: 49 Resp: 1183832
 Ion Ratio Lower Upper
 49 100
 128 49.2 22.1 66.3
 130 62.1 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.130 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. 0.010 min
 Lab File: VL039982.D
 Acq: 12 Dec 2022 19:06

Tgt Ion: 85 Resp: 22043
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.0 37.4

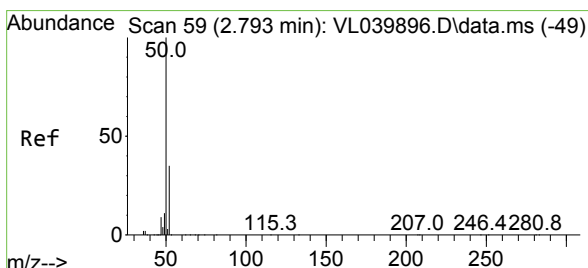
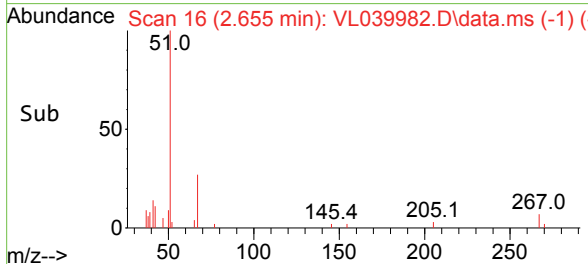
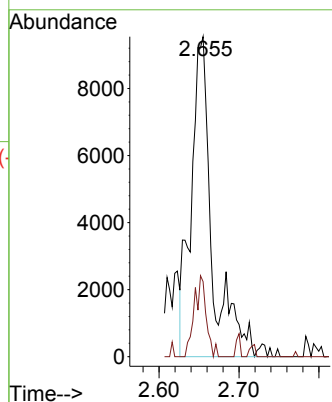
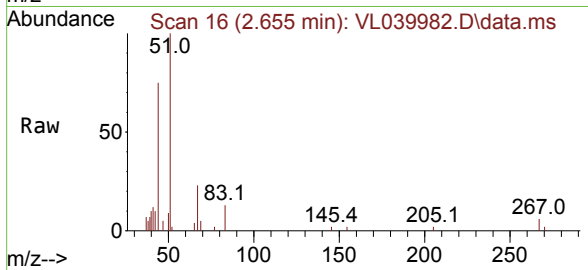




#3
Chlorodifluoromethane
Concen: 0.108 ppbv
RT: 2.655 min Scan# 16
Delta R.T. 0.013 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

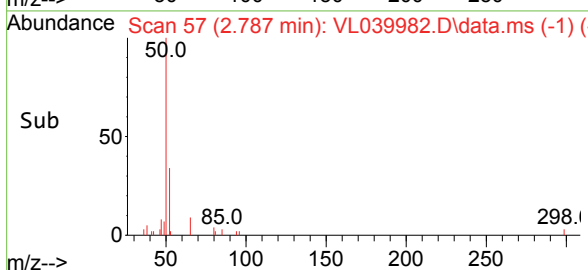
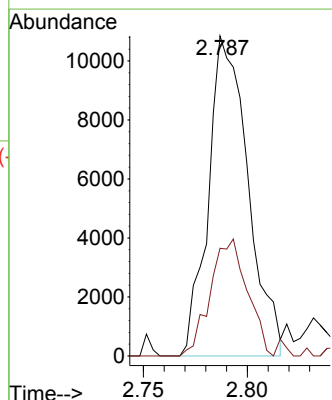
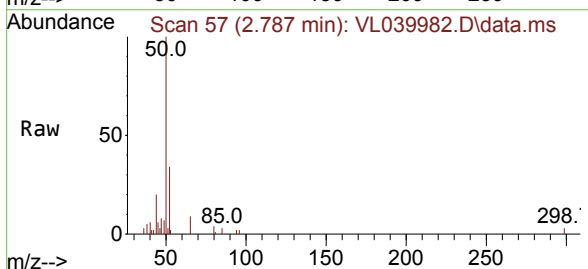
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

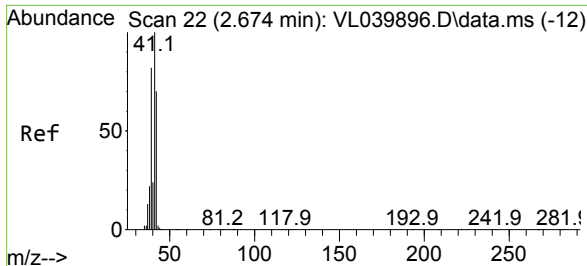
Tgt Ion: 51 Resp: 17621
Ion Ratio Lower Upper
51 100
67 14.3 14.2 21.4



#4
Chloromethane
Concen: 0.138 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.007 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

Tgt Ion: 50 Resp: 14402
Ion Ratio Lower Upper
50 100
52 35.6 27.8 41.8

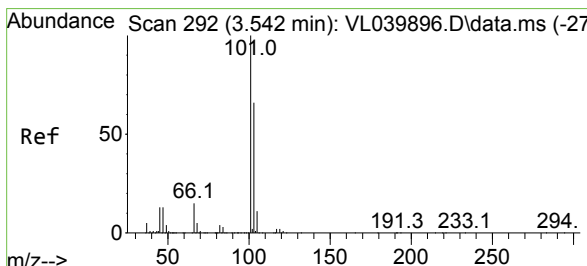
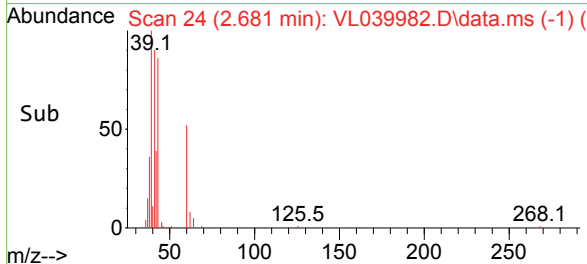
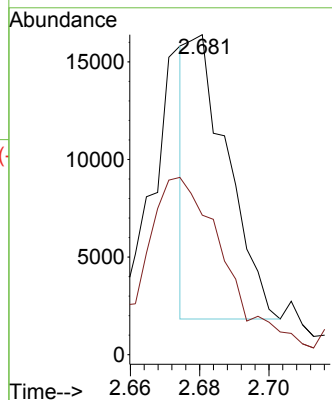
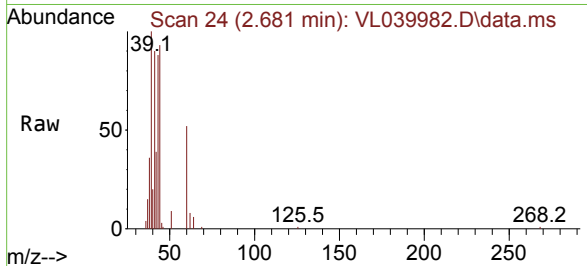




#9
 Propene
 Concen: 0.153 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.020 min
 Lab File: VL039982.D
 Acq: 12 Dec 2022 19:06

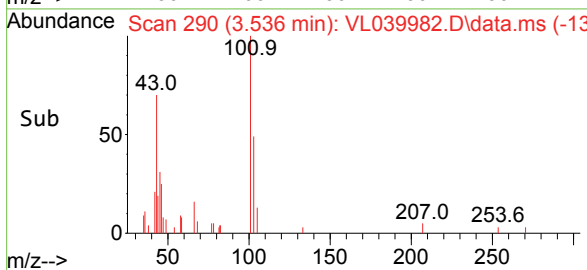
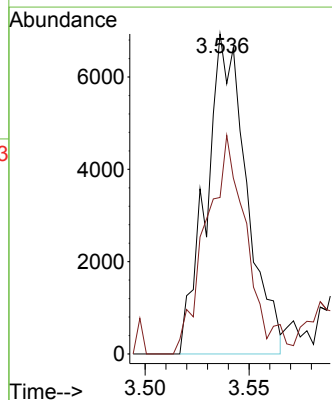
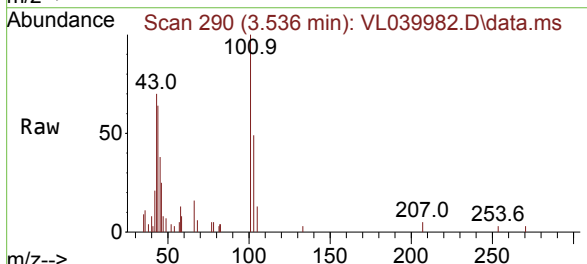
Instrument :
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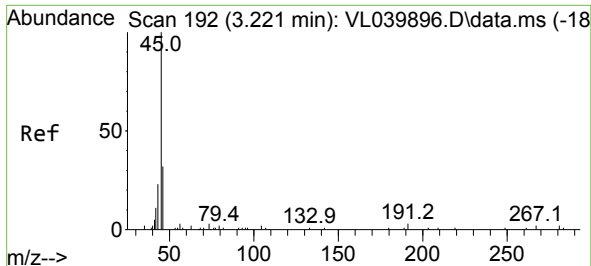
Tgt Ion: 41 Resp: 11780
 Ion Ratio Lower Upper
 41 100
 42 134.9 55.8 83.6#



#11
 Trichlorofluoromethane
 Concen: 0.045 ppbv
 RT: 3.536 min Scan# 290
 Delta R.T. 0.007 min
 Lab File: VL039982.D
 Acq: 12 Dec 2022 19:06

Tgt Ion: 101 Resp: 9348
 Ion Ratio Lower Upper
 101 100
 103 44.3 52.6 78.8#

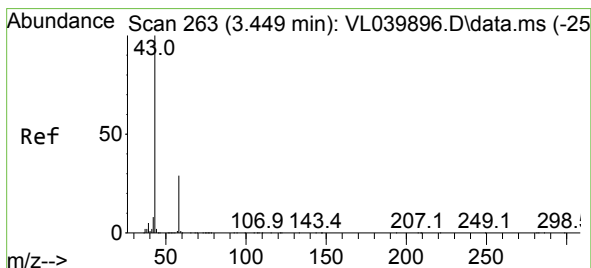
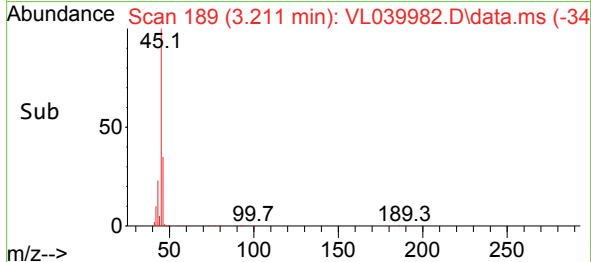
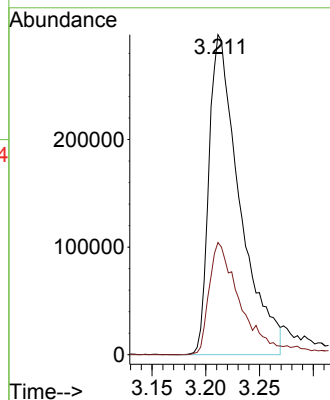
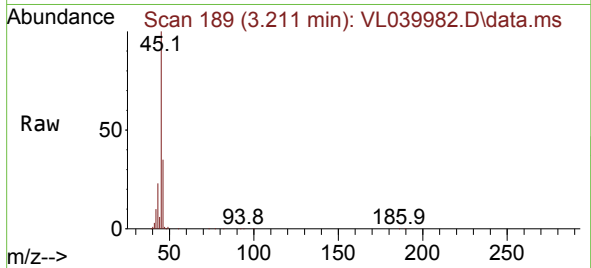




#13
Ethanol
Concen: 100.703 ppbv
RT: 3.211 min Scan# 189
Delta R.T. -0.003 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

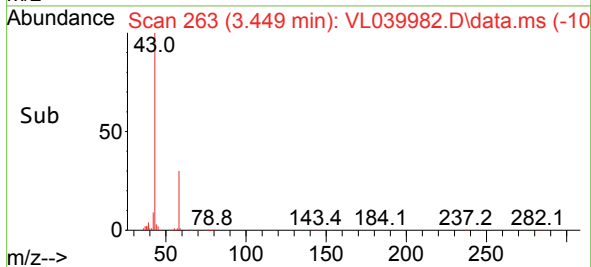
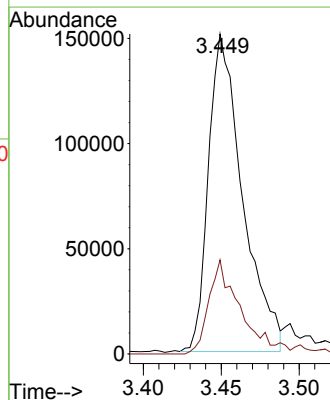
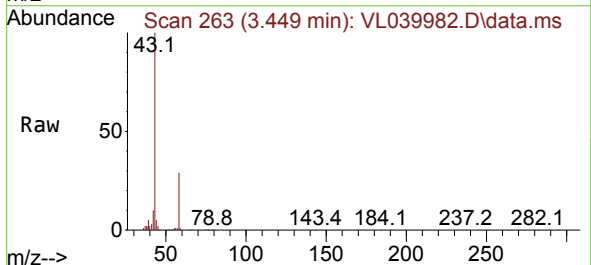
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ClientSampleId :
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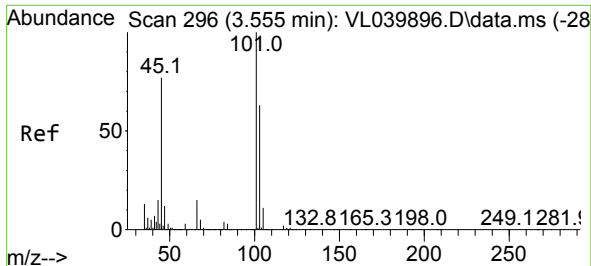
Tgt Ion: 45 Resp: 591630
Ion Ratio Lower Upper
45 100
46 38.3 14.6 58.2



#15
Acetone
Concen: 1.465 ppbv
RT: 3.449 min Scan# 263
Delta R.T. 0.016 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

Tgt Ion: 43 Resp: 230002
Ion Ratio Lower Upper
43 100
58 29.2 22.9 34.3

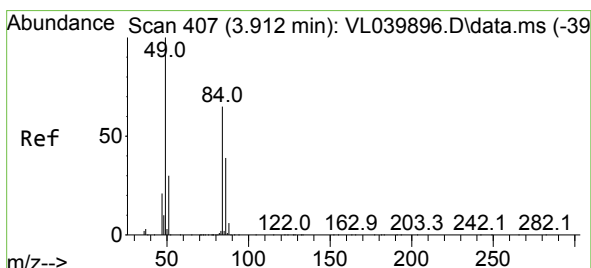
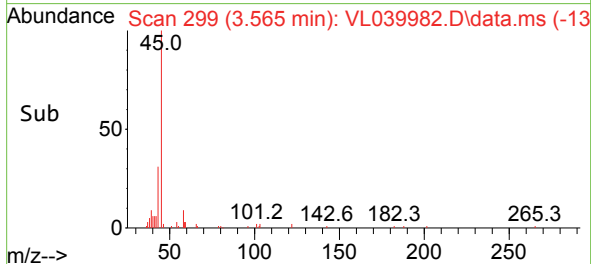
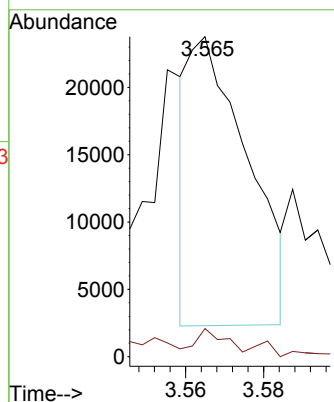
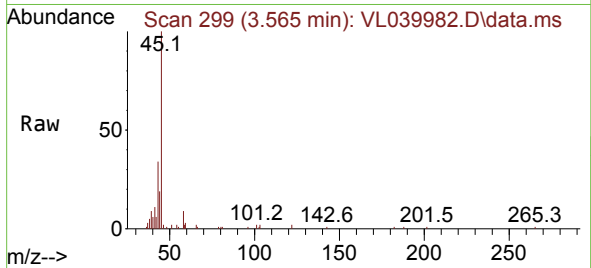




#19
Isopropyl Alcohol
Concen: 0.265 ppbv
RT: 3.565 min Scan# 296
Delta R.T. 0.023 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

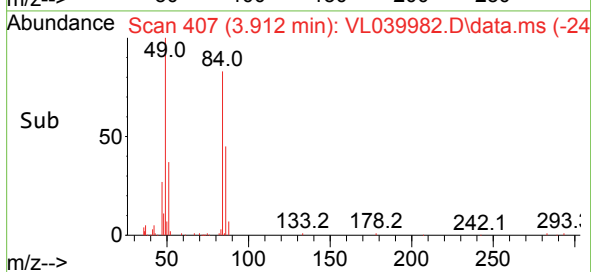
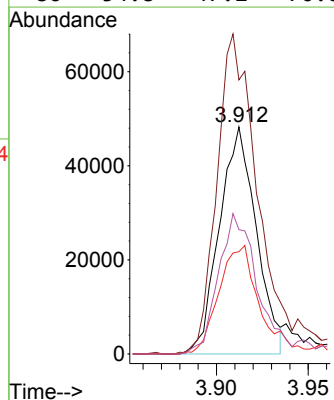
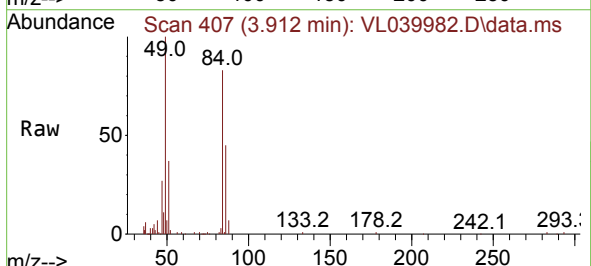
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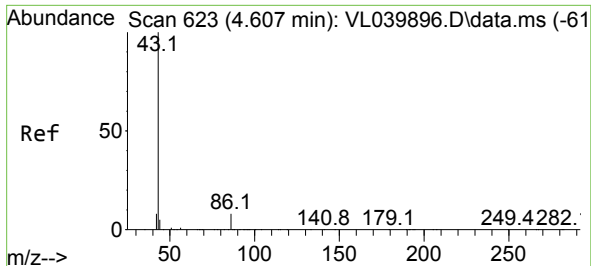
Tgt Ion: 45 Resp: 22556
Ion Ratio Lower Upper
45 100
58 15.4 38.7 58.1#



#20
Methylene Chloride
Concen: 0.887 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

Tgt Ion: 84 Resp: 67457
Ion Ratio Lower Upper
84 100
49 119.9 122.2 183.4#
51 45.1 36.3 54.5
86 54.8 47.2 70.8

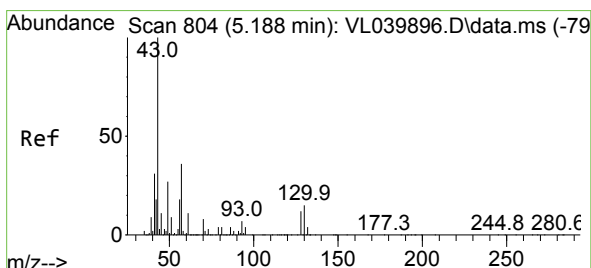
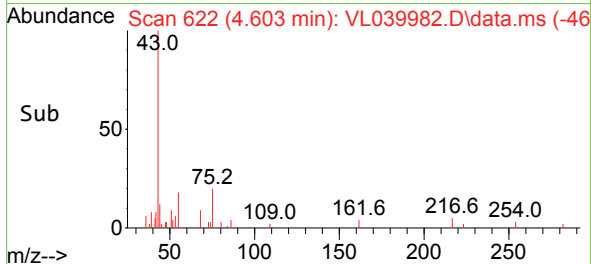
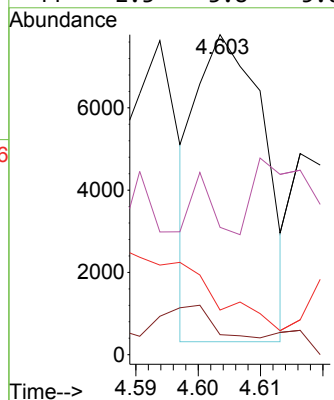
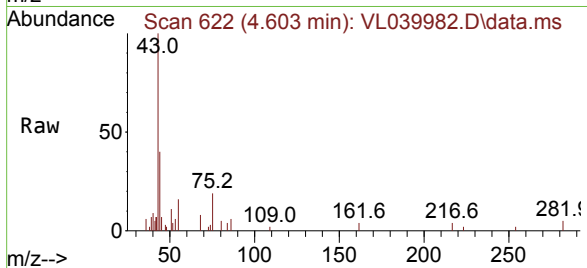




#23
 Vinyl Acetate
 Concen: 0.087 ppbv
 RT: 4.603 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL039982.D
 Acq: 12 Dec 2022 19:06

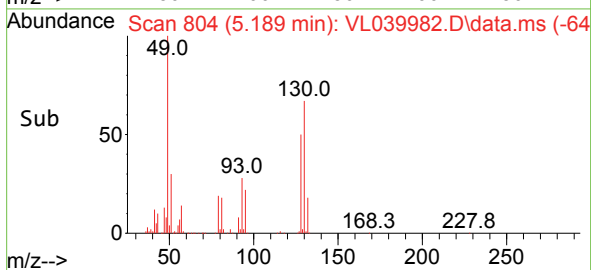
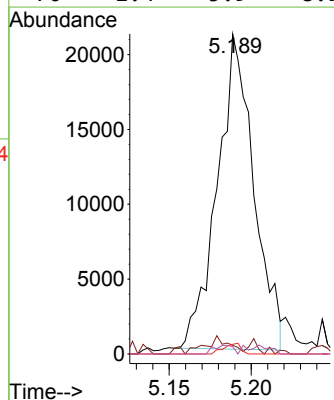
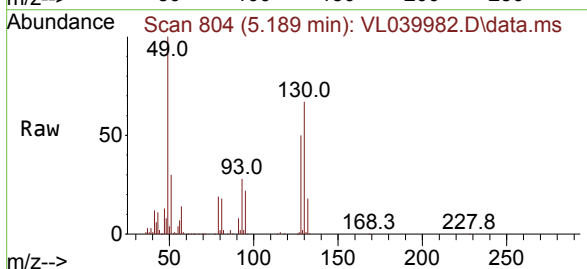
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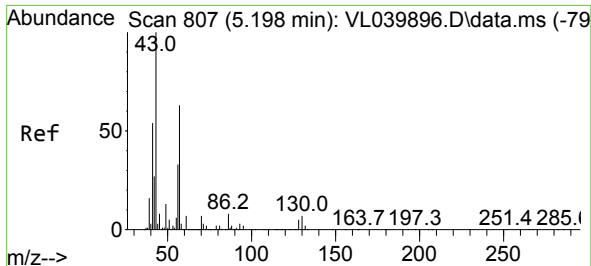
Tgt Ion: 43	Resp: 5628
Ion Ratio	Lower Upper
43 100	
86 0.0	5.0 7.4#
42 10.4	7.6 11.4
44 2.3	3.8 5.6#



#25
 Ethyl Acetate
 Concen: 0.113 ppbv
 RT: 5.189 min Scan# 804
 Delta R.T. 0.020 min
 Lab File: VL039982.D
 Acq: 12 Dec 2022 19:06

Tgt	Ion: 43	Resp:	32537
Ion	Ratio	Lower	Upper
43	100		
45	5.8	8.4	12.6#
61	1.6	8.5	12.7#
70	1.4	5.9	8.9#

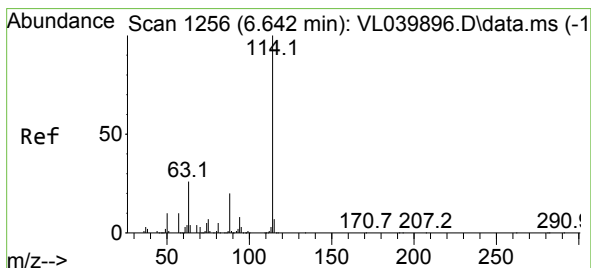
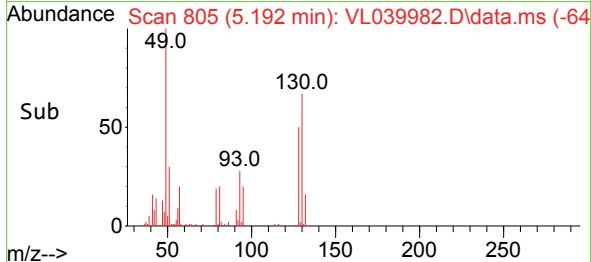
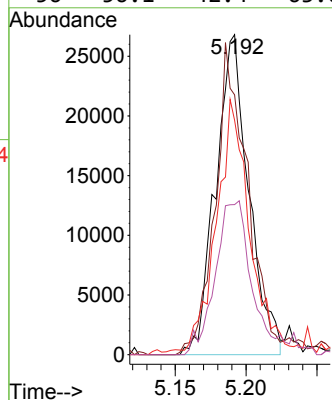
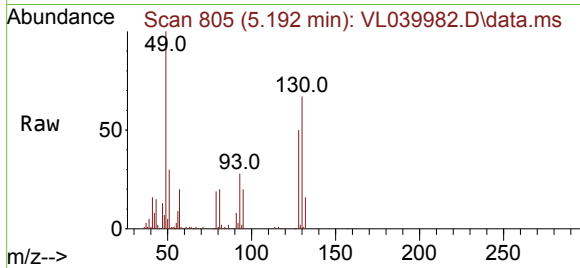




#26
Hexane
Concen: 0.346 ppbv
RT: 5.192 min Scan# 807
Delta R.T. 0.016 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

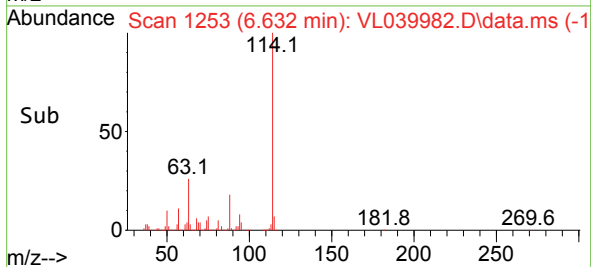
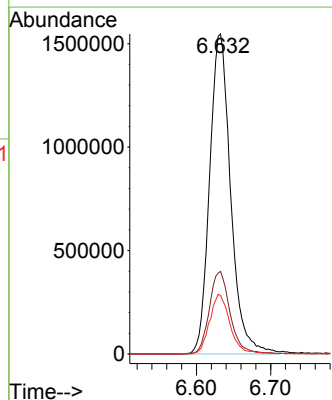
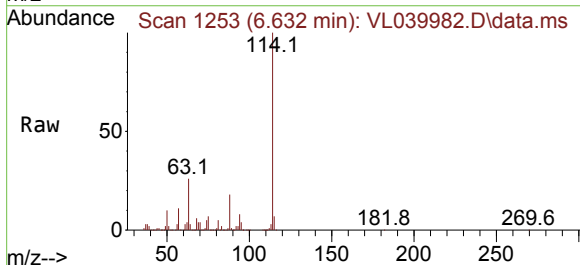
Instrument :
MSVOA_L
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IA-4DL

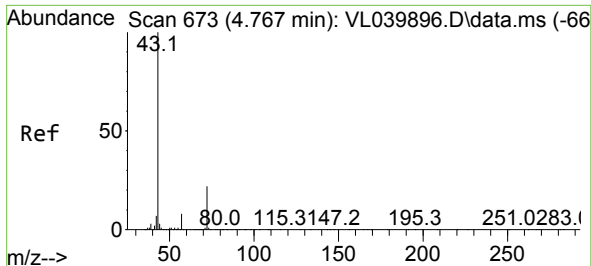
Tgt Ion:	57	Resp:	43561
Ion	Ratio	Lower	Upper
57	100		
41	99.0	72.3	108.5
43	86.4	188.7	283.1#
56	56.1	42.4	63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.013 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

Tgt Ion:	114	Resp:	3044963
Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.4	32.0
88	18.1	15.3	22.9

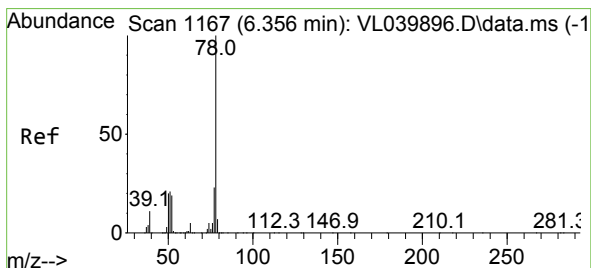
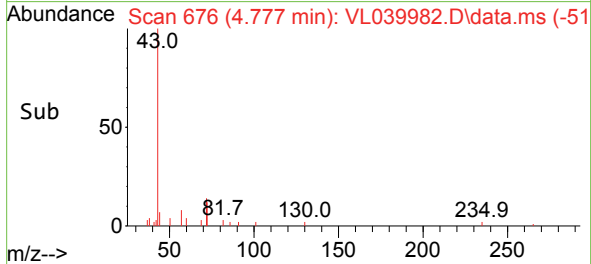
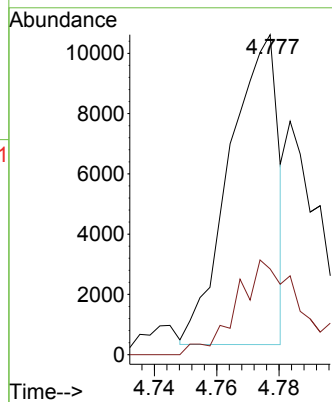
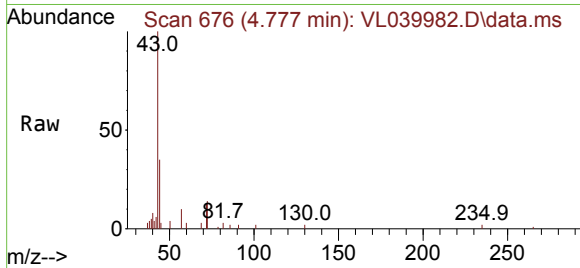




#34
2-Butanone
Concen: 0.076 ppbv
RT: 4.777 min Scan# 611
Delta R.T. 0.026 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

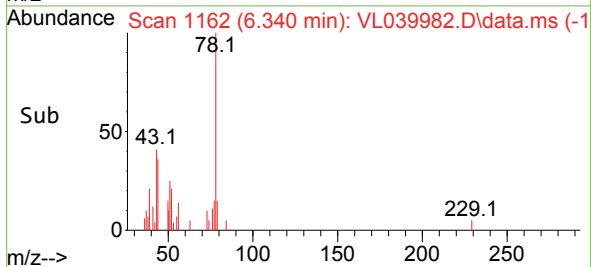
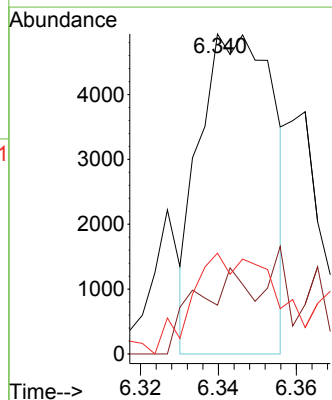
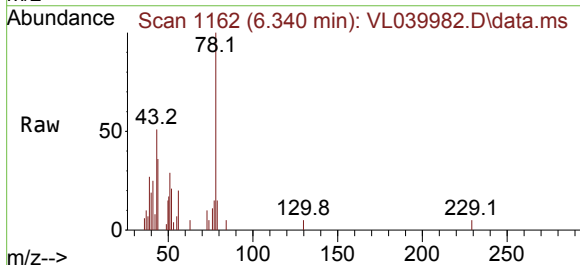
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

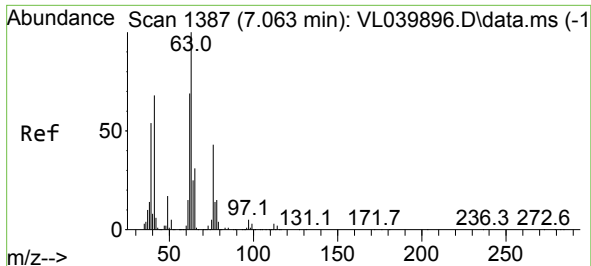
Tgt Ion: 43 Resp: 11114
Ion Ratio Lower Upper
43 100
72 45.9 17.4 26.2#



#36
Benzene
Concen: 0.025 ppbv
RT: 6.340 min Scan# 1162
Delta R.T. 0.007 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

Tgt Ion: 78 Resp: 6477
Ion Ratio Lower Upper
78 100
77 1.2 18.2 27.2#
50 30.9 15.8 23.8#





#39

1,2-Dichloropropane

Concen: 7.645 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.402 min

Lab File: VL039982.D

Acq: 12 Dec 2022 19:06

Instrument :

MSVOA_L

ClientSampleId :

IA-4DL

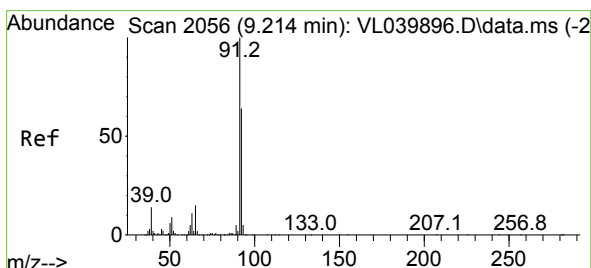
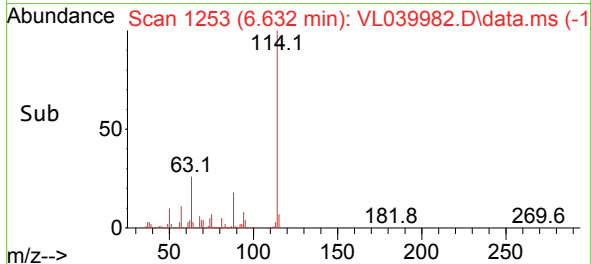
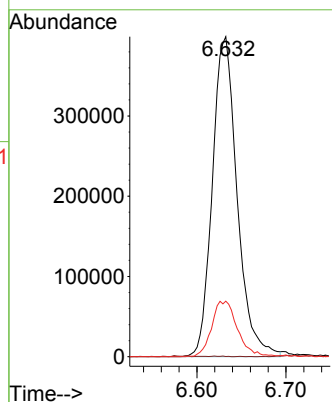
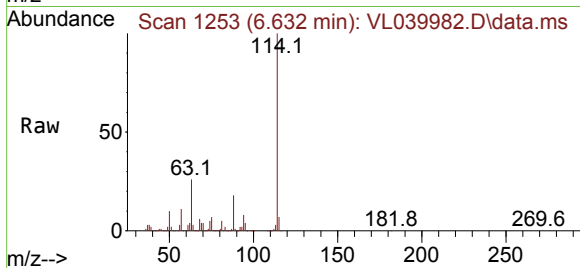
Tgt Ion: 63 Resp: 770916

Ion Ratio Lower Upper

63 100

41 0.1 54.7 82.1#

62 17.3 55.0 82.6#



#53

Toluene

Concen: 0.060 ppbv

RT: 9.205 min Scan# 2053

Delta R.T. 0.020 min

Lab File: VL039982.D

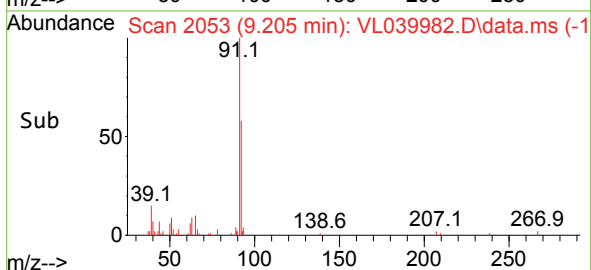
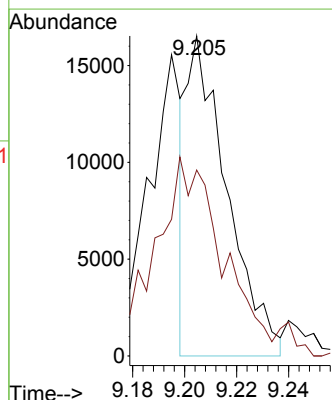
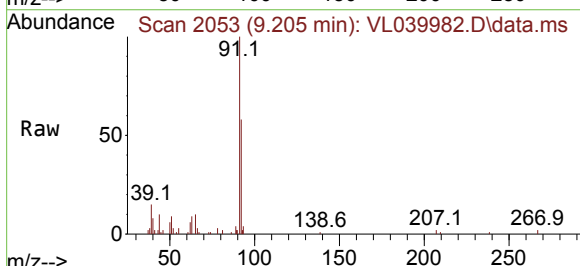
Acq: 12 Dec 2022 19:06

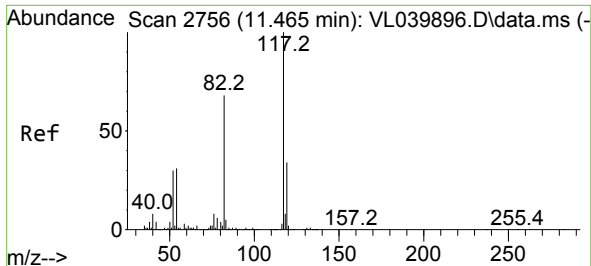
Tgt Ion: 91 Resp: 17802

Ion Ratio Lower Upper

91 100

92 0.0 49.8 74.6#

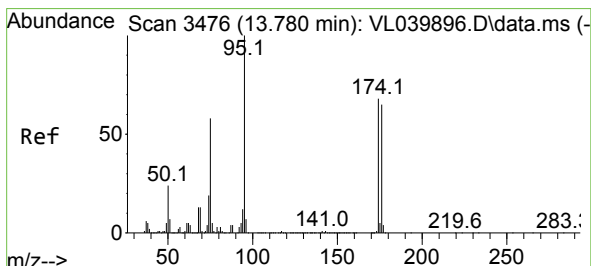
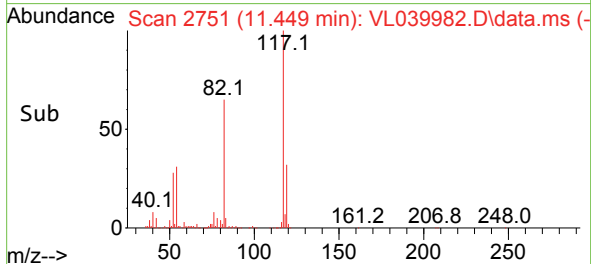
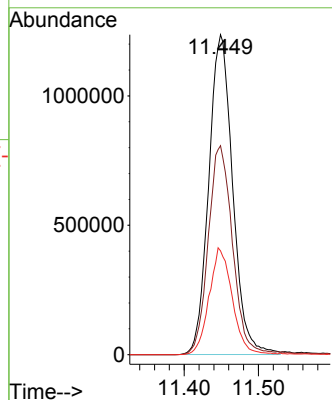
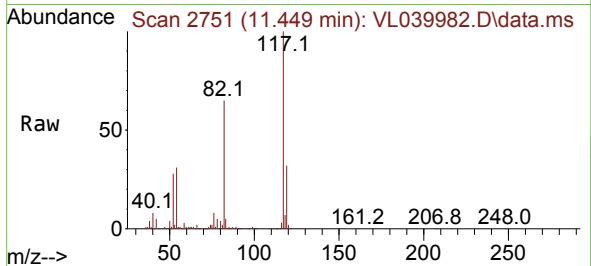




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion:117 Resp: 2769364
Ion Ratio Lower Upper
117 100
82 67.0 52.3 78.5
119 32.9 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.571 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.020 min
Lab File: VL039982.D
Acq: 12 Dec 2022 19:06

Tgt Ion: 95 Resp: 2236100
Ion Ratio Lower Upper
95 100
174 61.3 53.7 80.5
175 4.4 4.0 6.0

