

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039986.D
 Acq On : 12 Dec 2022 21:44
 Operator : SY/MD
 Sample : N5971-07DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Quant Time: Dec 13 07:10:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

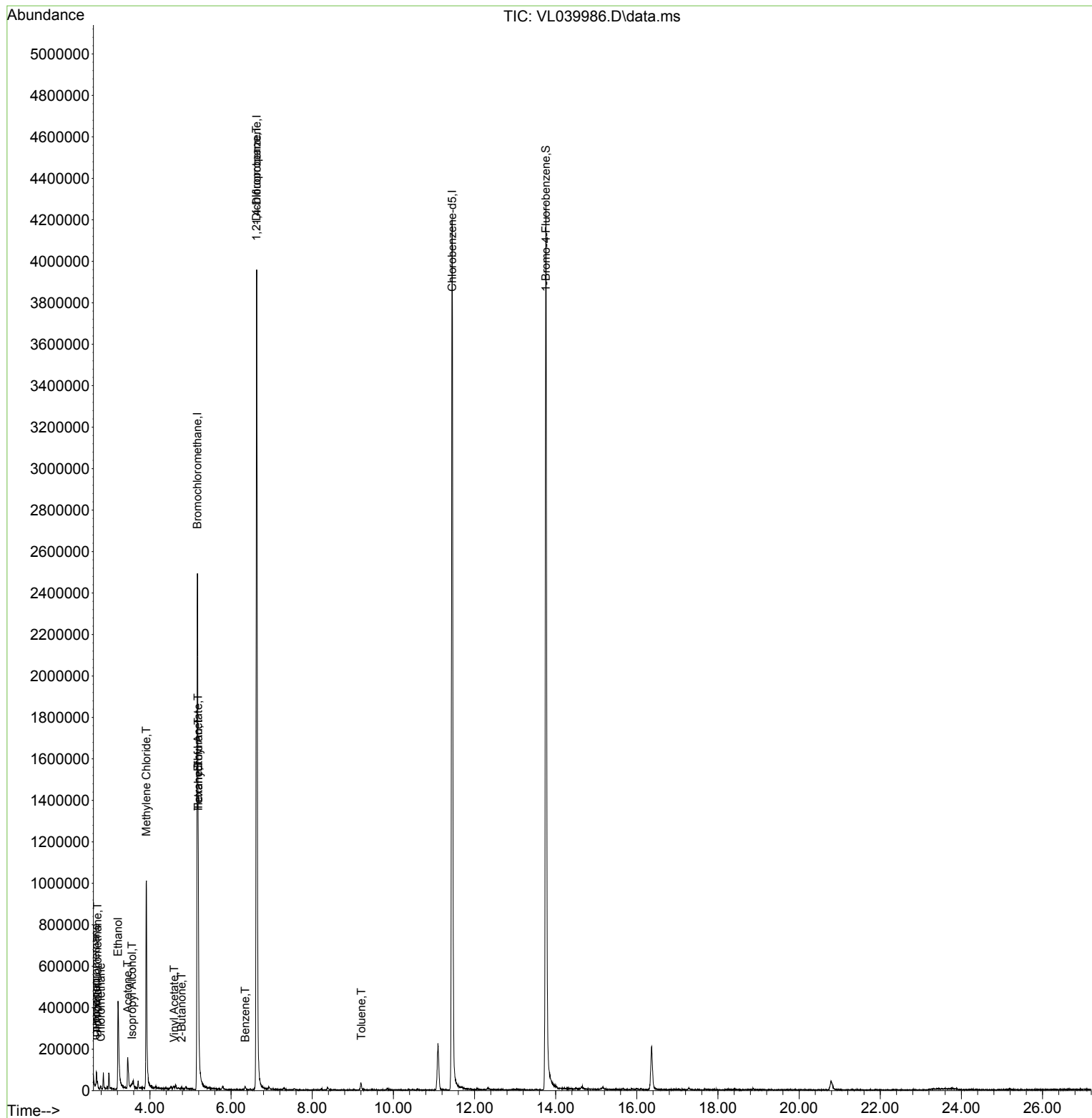
Internal Standards						
1) Bromochloromethane	5.169	49	1101442	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2916706	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2626675	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2130061	10.617	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	8243	0.052	ppbv	96
3) Chlorodifluoromethane	2.658	51	11483	0.076	ppbv #	86
4) Chloromethane	2.790	50	10336	0.106	ppbv #	66
9) Propene	2.677	41	22575	0.315	ppbv	83
13) Ethanol	3.214	45	494239	90.419	ppbv	99
15) Acetone	3.452	43	143811	0.984	ppbv	99
19) Isopropyl Alcohol	3.558	45	5298	0.067	ppbv	91
20) Methylene Chloride	3.912	84	340759	4.814	ppbv	94
23) Vinyl Acetate	4.600	43	3623	0.060	ppbv #	11
25) Ethyl Acetate	5.189	43	142469	0.531	ppbv #	77
26) Hexane	5.192	57	215587	1.840	ppbv #	37
34) 2-Butanone	4.780	43	4546	0.033	ppbv #	24
36) Benzene	6.349	78	7610	0.031	ppbv #	92
39) 1,2-Dichloropropane	6.629	63	747725	7.741	ppbv #	25
41) Tetrahydrofuran	5.192	42	81601	0.847	ppbv #	49
53) Toluene	9.211	91	8127	0.029	ppbv #	1

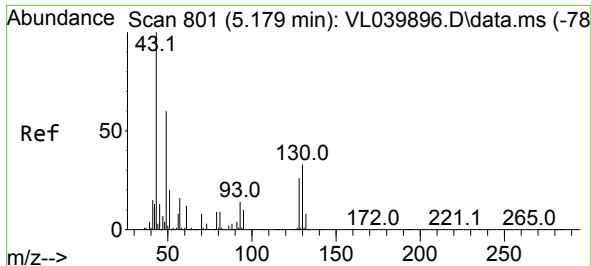
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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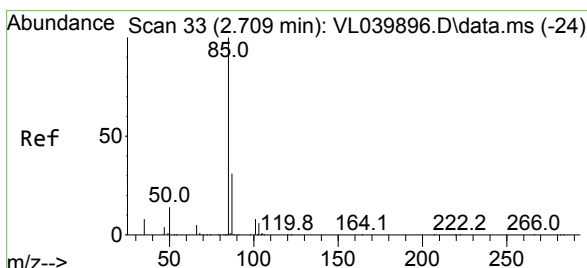
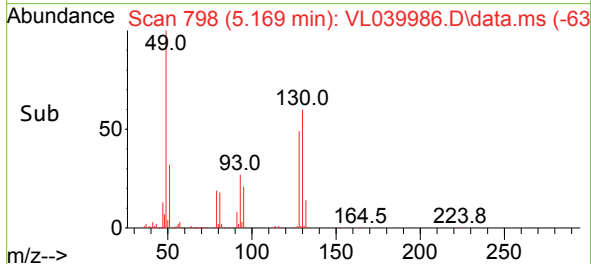
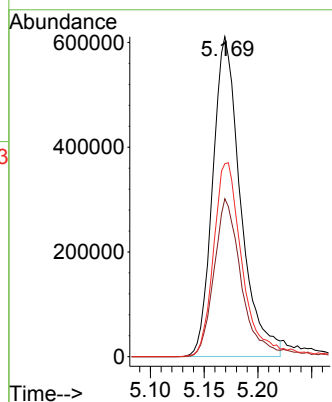
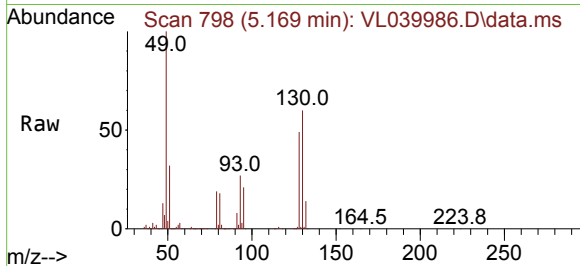




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

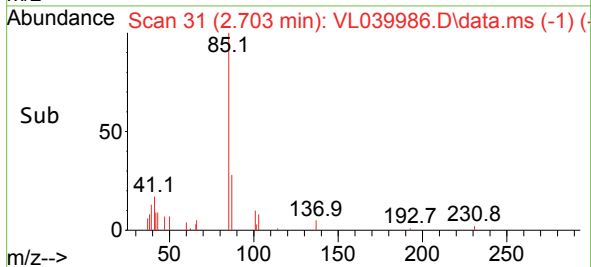
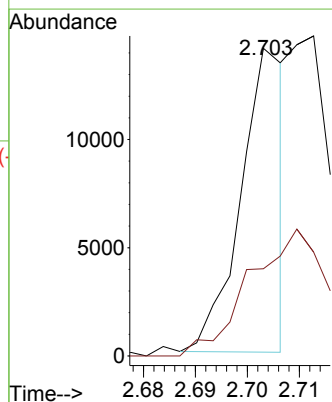
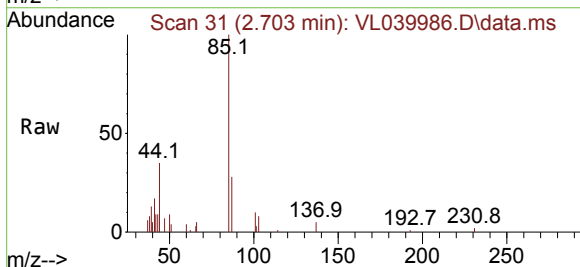
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

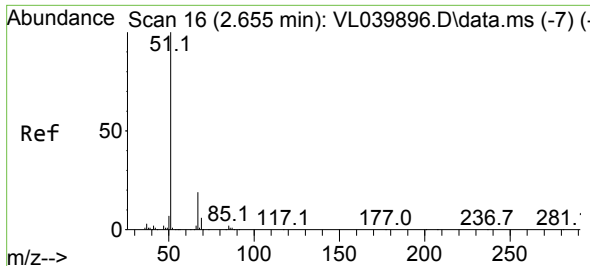
Tgt Ion: 49 Resp: 1101442
Ion Ratio Lower Upper
49 100
128 50.7 22.1 66.3
130 63.4 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.052 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt Ion: 85 Resp: 8243
Ion Ratio Lower Upper
85 100
87 28.7 25.0 37.4

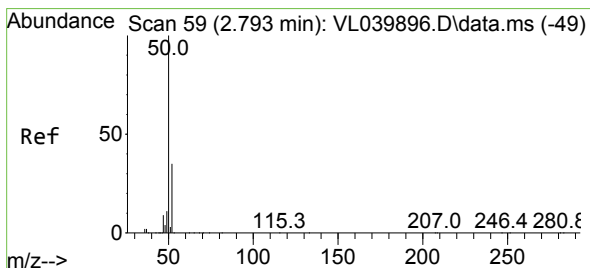
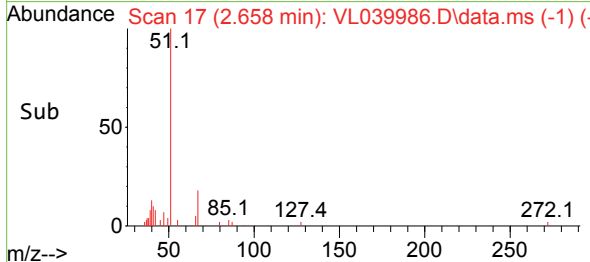
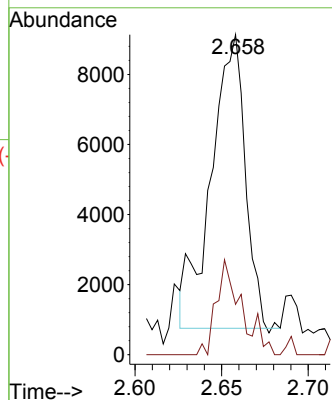
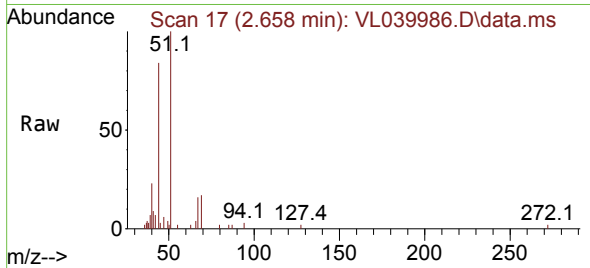




#3
Chlorodifluoromethane
Concen: 0.076 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

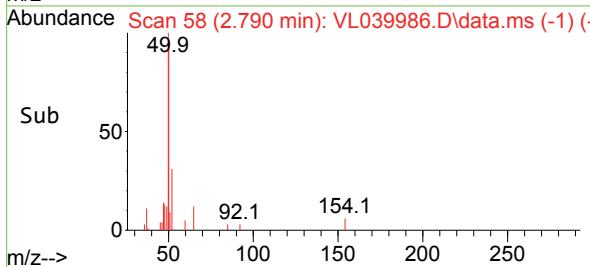
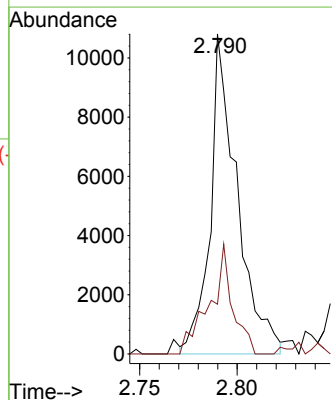
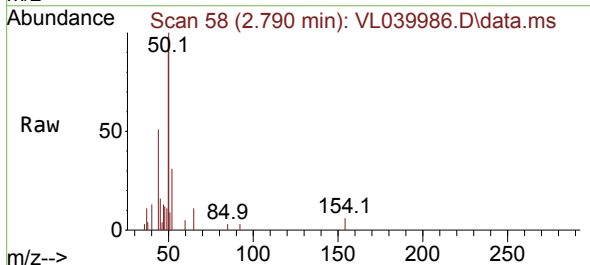
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

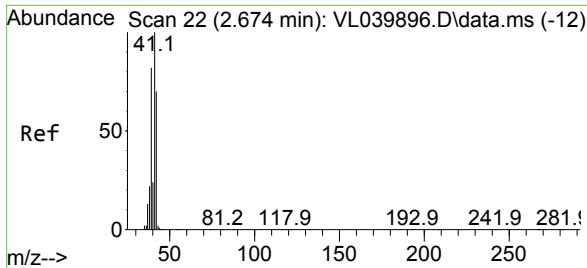
Tgt Ion: 51 Resp: 11483
Ion Ratio Lower Upper
51 100
67 23.7 14.2 21.4#



#4
Chloromethane
Concen: 0.106 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt Ion: 50 Resp: 10336
Ion Ratio Lower Upper
50 100
52 15.3 27.8 41.8#

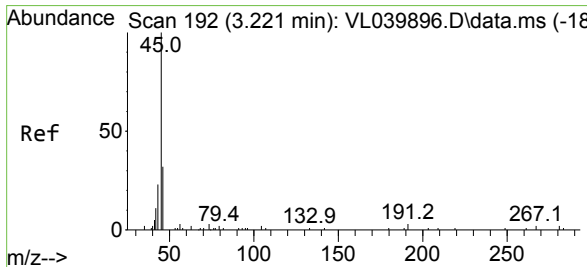
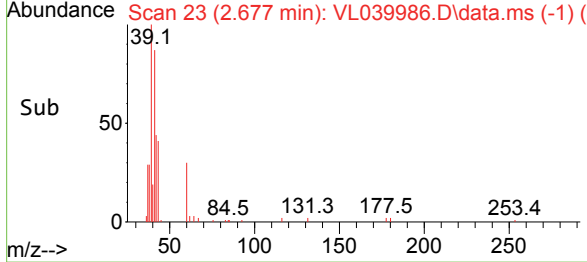
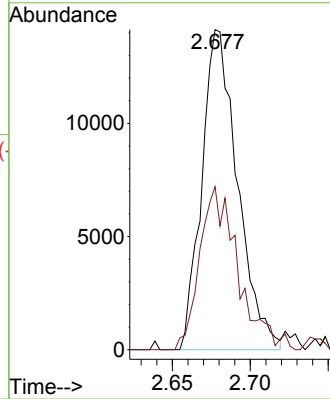
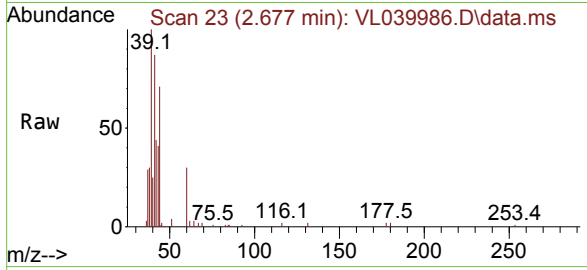




#9
 Propene
 Concen: 0.315 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VL039986.D
 Acq: 12 Dec 2022 21:44

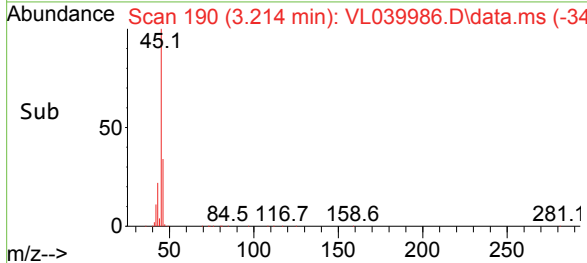
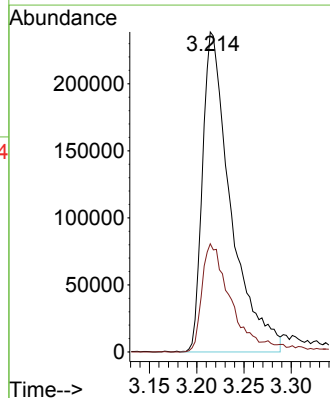
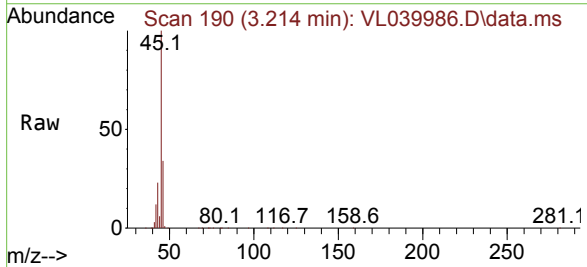
Instrument :
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 ClientSampleId :
 OA-1DL

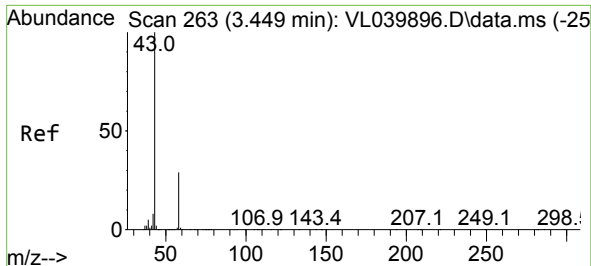
Tgt Ion: 41 Resp: 22575
 Ion Ratio Lower Upper
 41 100
 42 56.1 55.8 83.6



#13
 Ethanol
 Concen: 90.419 ppbv
 RT: 3.214 min Scan# 190
 Delta R.T. 0.000 min
 Lab File: VL039986.D
 Acq: 12 Dec 2022 21:44

Tgt Ion: 45 Resp: 494239
 Ion Ratio Lower Upper
 45 100
 46 37.2 14.6 58.2

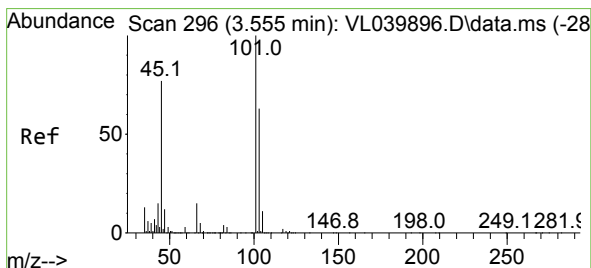
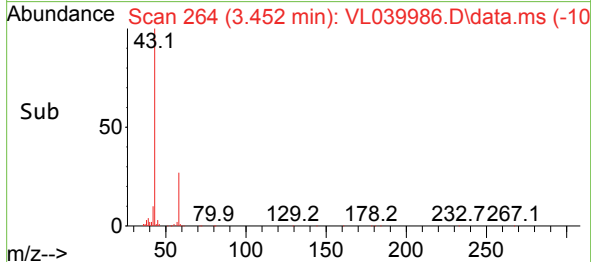
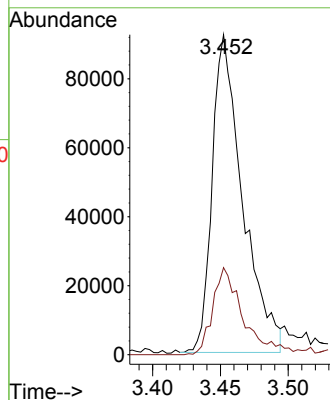
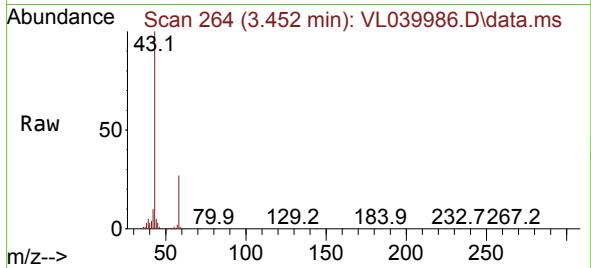




#15
Acetone
Concen: 0.984 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

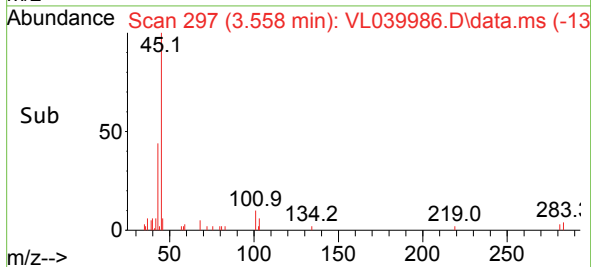
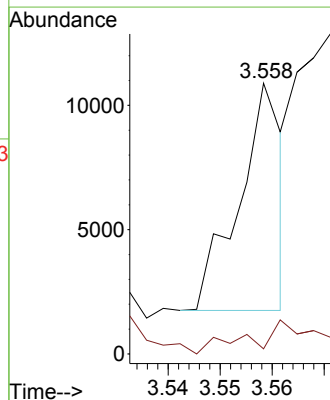
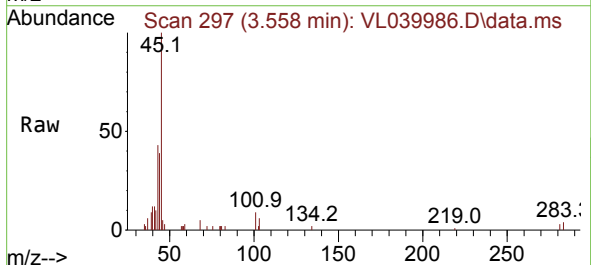
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

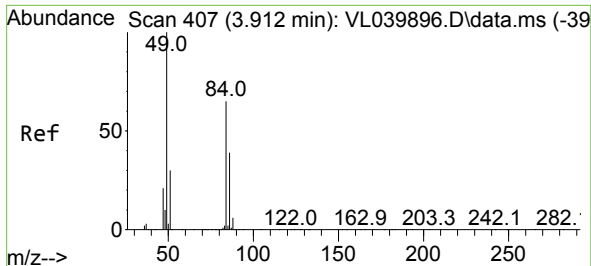
Tgt Ion: 43 Resp: 143811
Ion Ratio Lower Upper
43 100
58 28.1 22.9 34.3



#19
Isopropyl Alcohol
Concen: 0.067 ppbv
RT: 3.558 min Scan# 297
Delta R.T. 0.016 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt Ion: 45 Resp: 5298
Ion Ratio Lower Upper
45 100
58 42.2 38.7 58.1

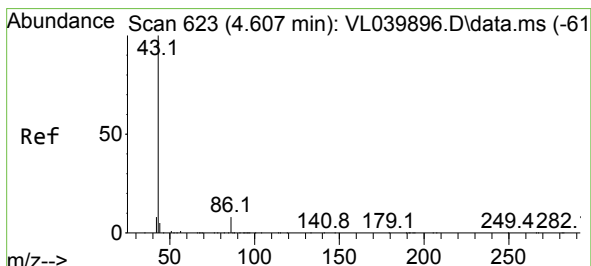
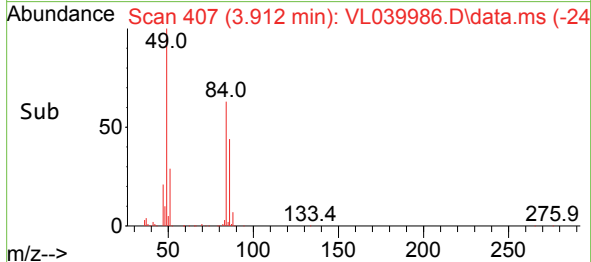
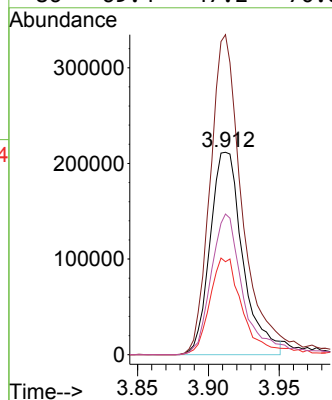
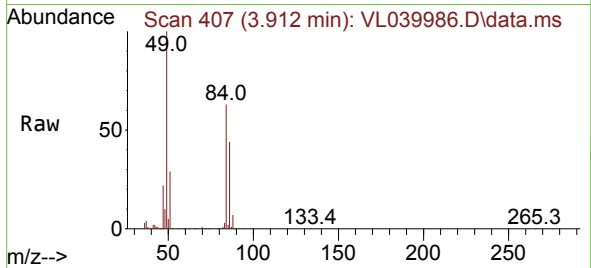




#20
Methylene Chloride
Concen: 4.814 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

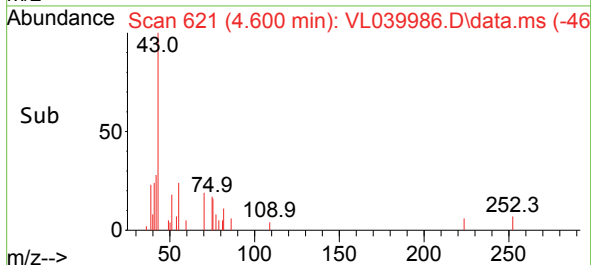
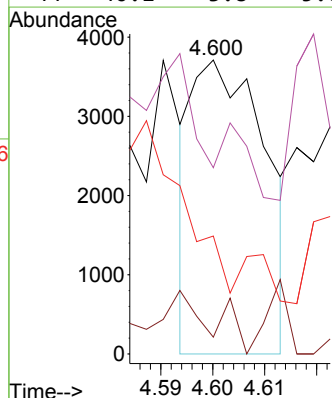
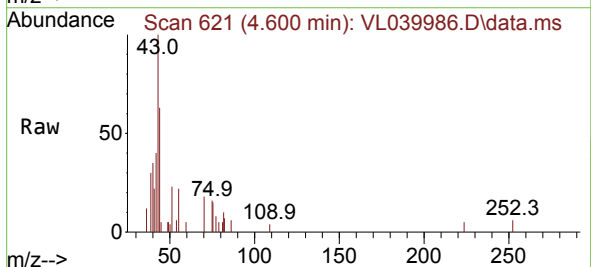
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

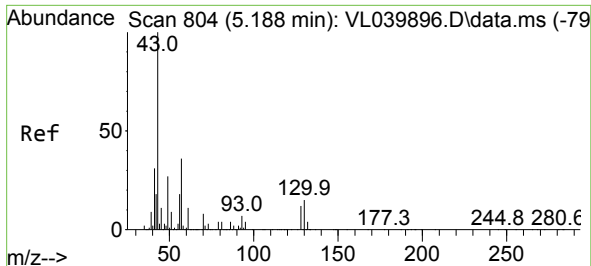
Tgt Ion: 84 Resp: 340759
Ion Ratio Lower Upper
84 100
49 157.9 122.2 183.4
51 45.8 36.3 54.5
86 69.4 47.2 70.8



#23
Vinyl Acetate
Concen: 0.060 ppbv
RT: 4.600 min Scan# 621
Delta R.T. 0.006 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt Ion: 43 Resp: 3623
Ion Ratio Lower Upper
43 100
86 0.0 5.0 7.4#
42 55.6 7.6 11.4#
44 40.1 3.8 5.6#

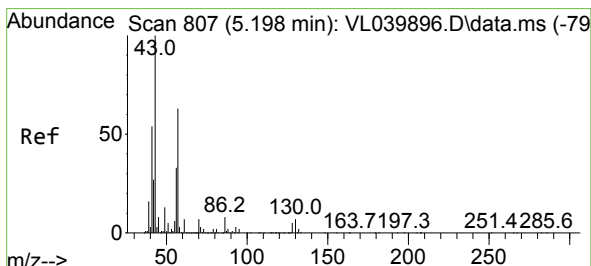
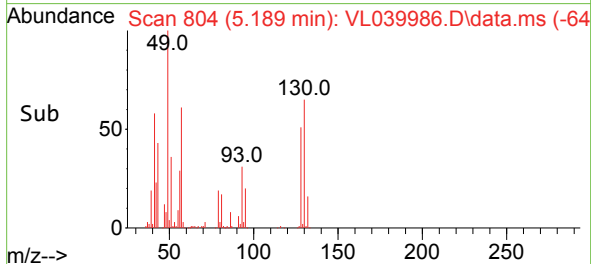
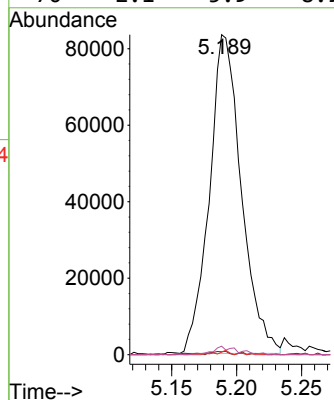
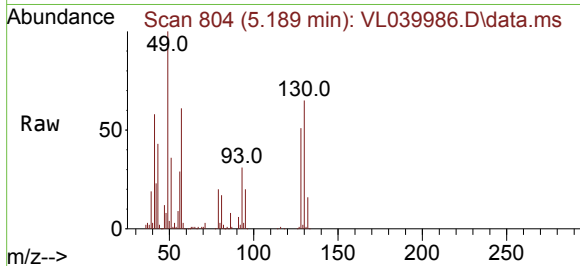




#25
Ethyl Acetate
Concen: 0.531 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.019 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

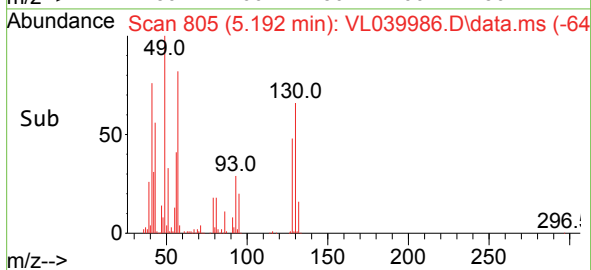
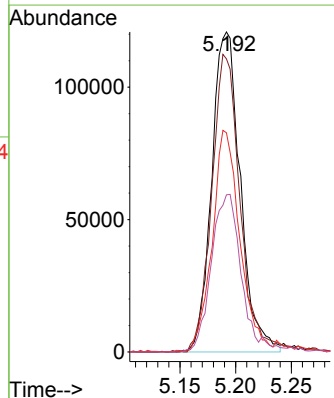
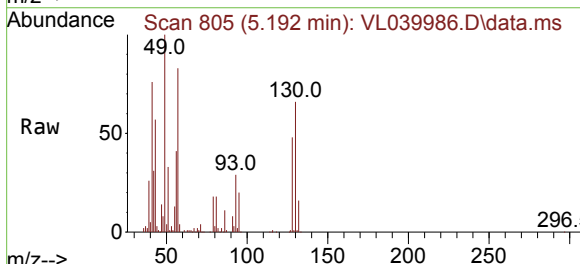
Instrument :
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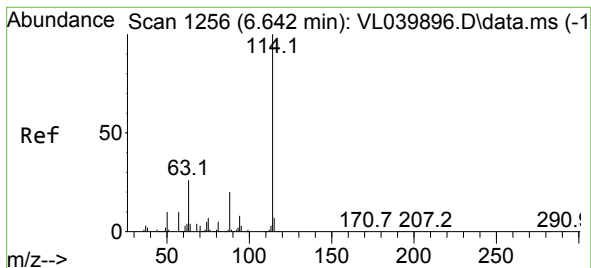
Tgt Ion: 43	Resp: 142469
Ion Ratio	Lower Upper
43 100	
45 1.2	8.4 12.6#
61 0.6	8.5 12.7#
70 2.1	5.9 8.9#



#26
Hexane
Concen: 1.840 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt	Ion: 57	Resp:	215587
Ion	Ratio	Lower	Upper
57	100		
41	93.7	72.3	108.5
43	68.5	188.7	283.1#
56	52.5	42.4	63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL039896.D

Acq: 12 Dec 2022 21:44

Instrument :

MSVOA_L

ClientSampleId :

OA-1DL

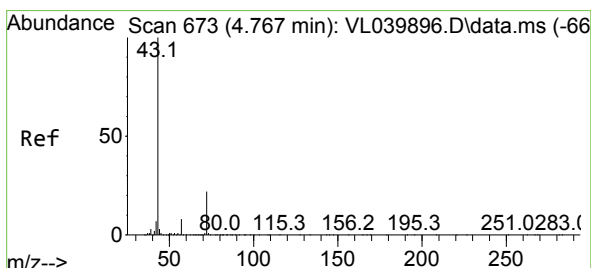
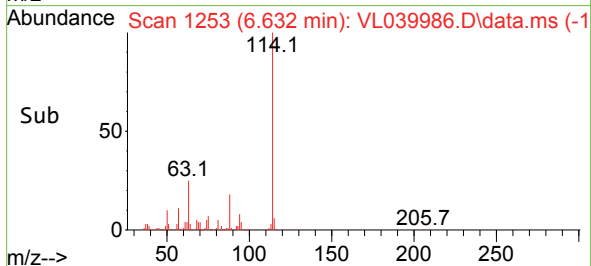
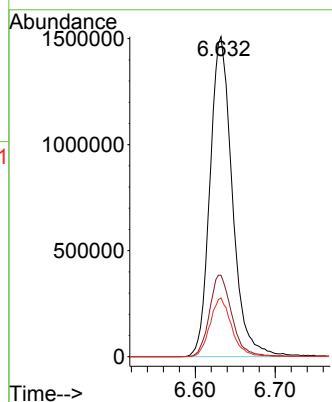
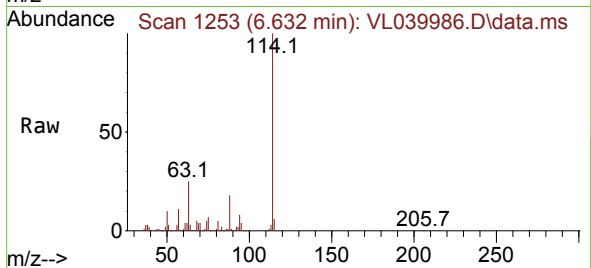
Tgt Ion:114 Resp: 2916706

Ion Ratio Lower Upper

114 100

63 26.0 21.4 32.0

88 18.0 15.3 22.9



#34

2-Butanone

Concen: 0.033 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.029 min

Lab File: VL039896.D

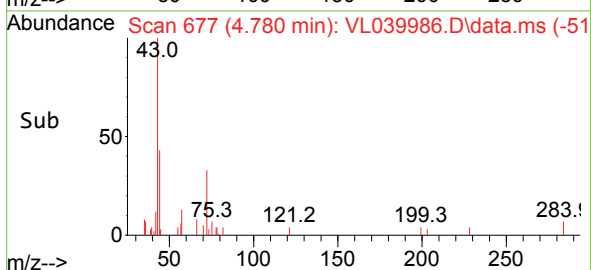
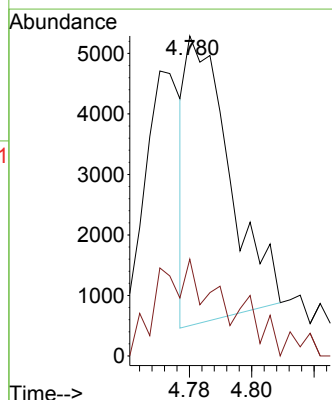
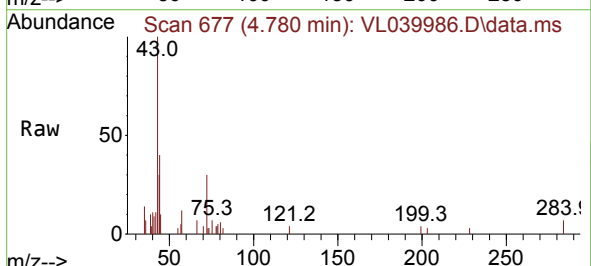
Acq: 12 Dec 2022 21:44

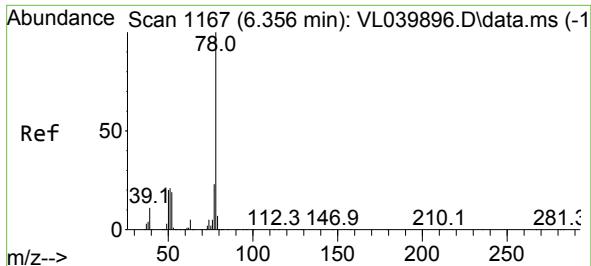
Tgt Ion: 43 Resp: 4546

Ion Ratio Lower Upper

43 100

72 58.0 17.4 26.2#

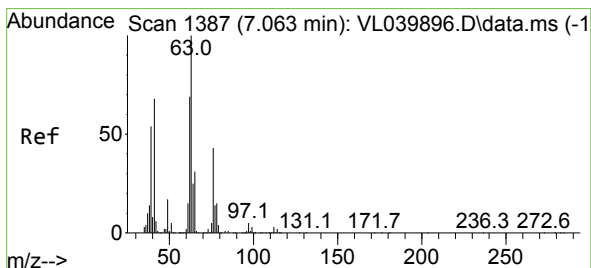
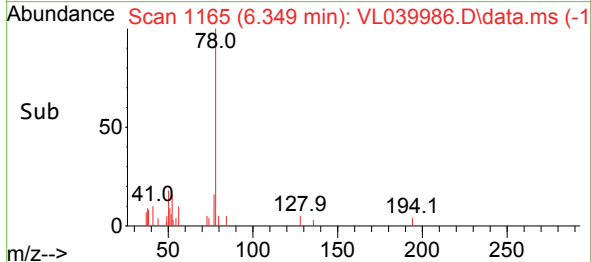
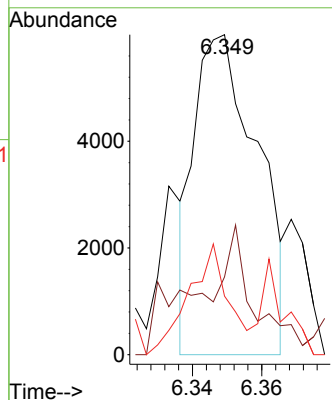
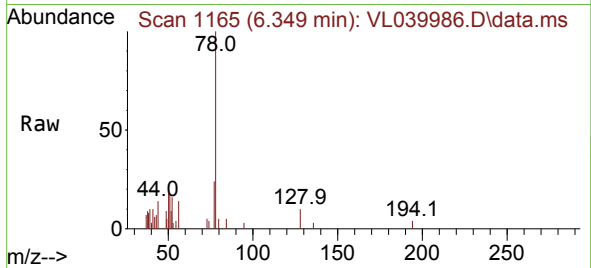




#36
Benzene
Concen: 0.031 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

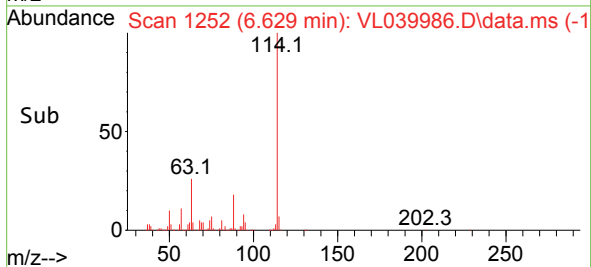
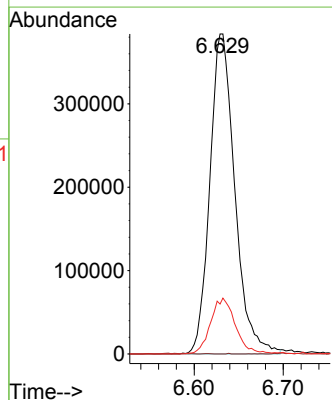
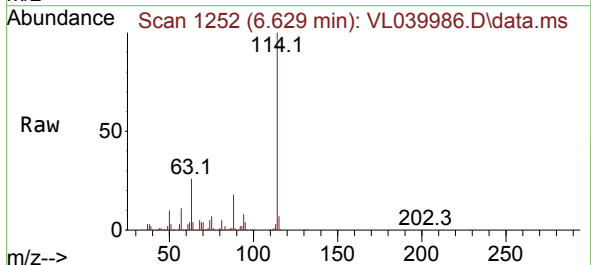
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

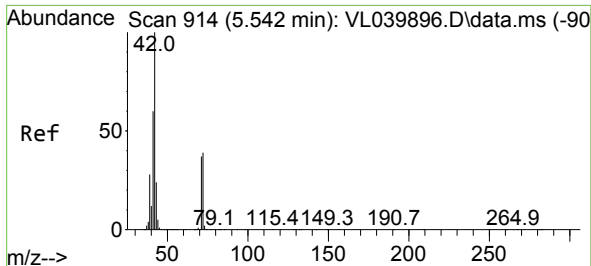
Tgt Ion: 78 Resp: 7610
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2
50 12.5 15.8 23.8#



#39
1,2-Dichloropropane
Concen: 7.741 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.405 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt Ion: 63 Resp: 747725
Ion Ratio Lower Upper
63 100
41 0.0 54.7 82.1#
62 15.6 55.0 82.6#

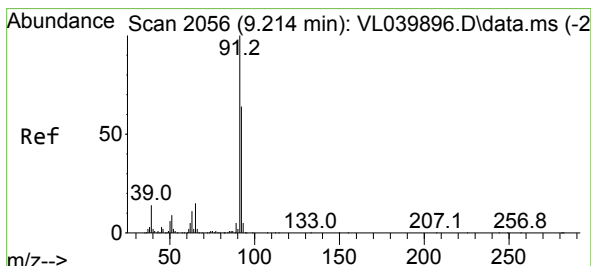
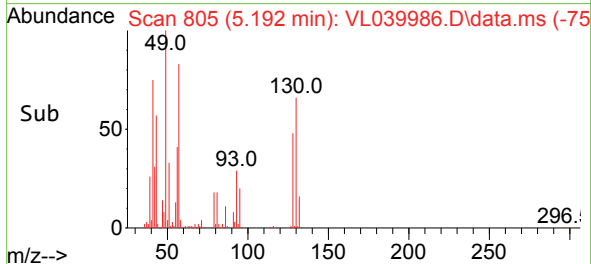
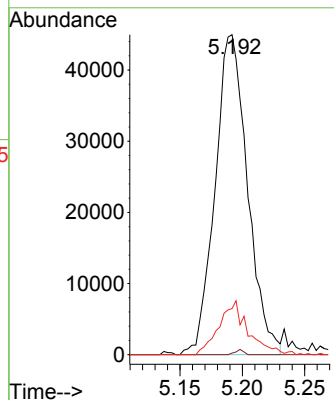
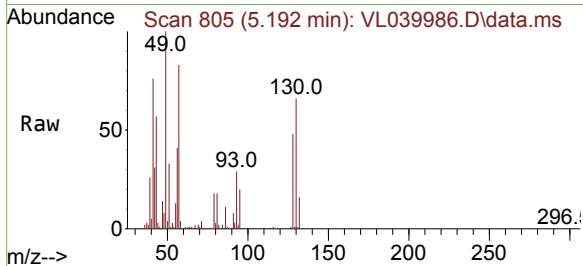




#41
Tetrahydrofuran
Concen: 0.847 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.328 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

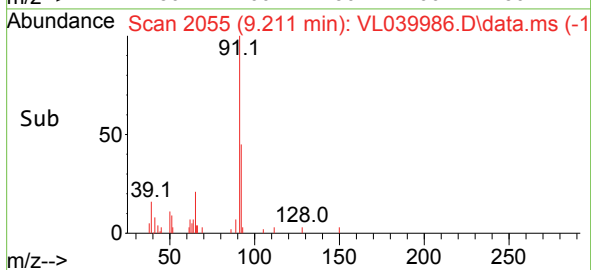
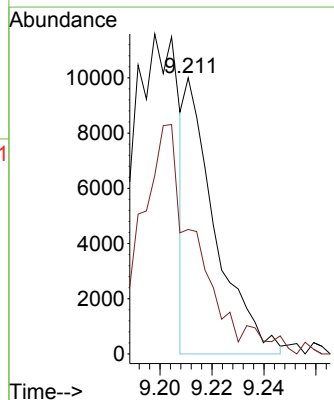
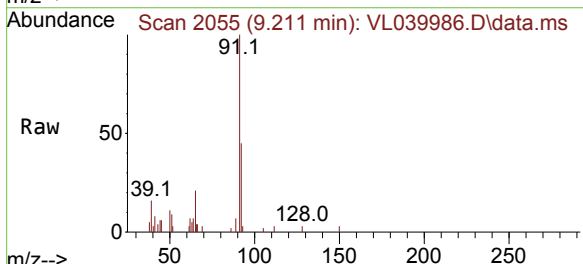
Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

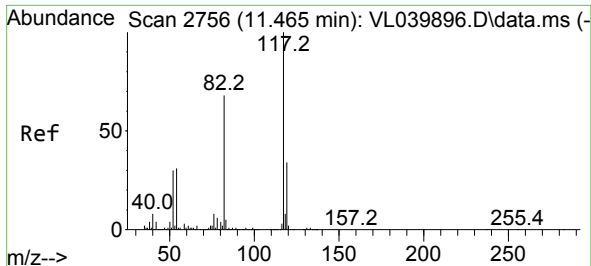
Tgt Ion: 42 Resp: 81601
Ion Ratio Lower Upper
42 100
72 0.4 31.6 47.4#
71 15.1 31.2 46.8#



#53
Toluene
Concen: 0.029 ppbv
RT: 9.211 min Scan# 2055
Delta R.T. 0.026 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt Ion: 91 Resp: 8127
Ion Ratio Lower Upper
91 100
92 174.5 49.8 74.6#

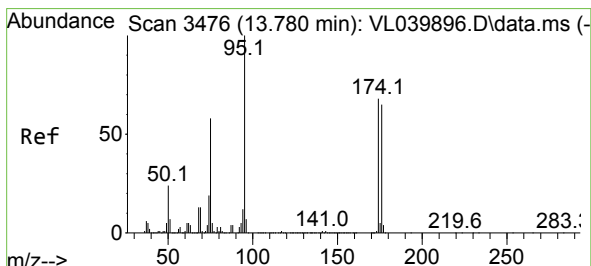
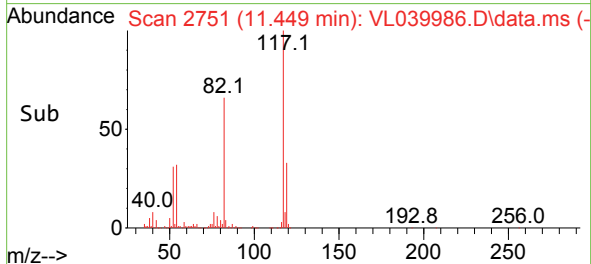
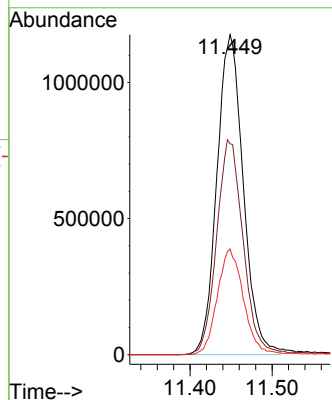
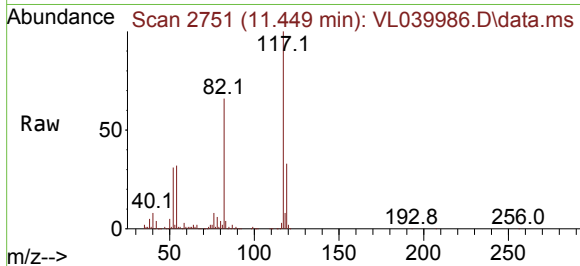




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Instrument :
MSVOA_L
ClientSampleId :
OA-1DL

Tgt Ion:117 Resp: 2626675
Ion Ratio Lower Upper
117 100
82 68.1 52.3 78.5
119 33.0 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.617 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.019 min
Lab File: VL039986.D
Acq: 12 Dec 2022 21:44

Tgt Ion: 95 Resp: 2130061
Ion Ratio Lower Upper
95 100
174 60.6 53.7 80.5
175 4.3 4.0 6.0

