

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039984.D
 Acq On : 12 Dec 2022 20:25
 Operator : SY/MD
 Sample : N5971-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-2DL

Quant Time: Dec 13 07:09:08 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)

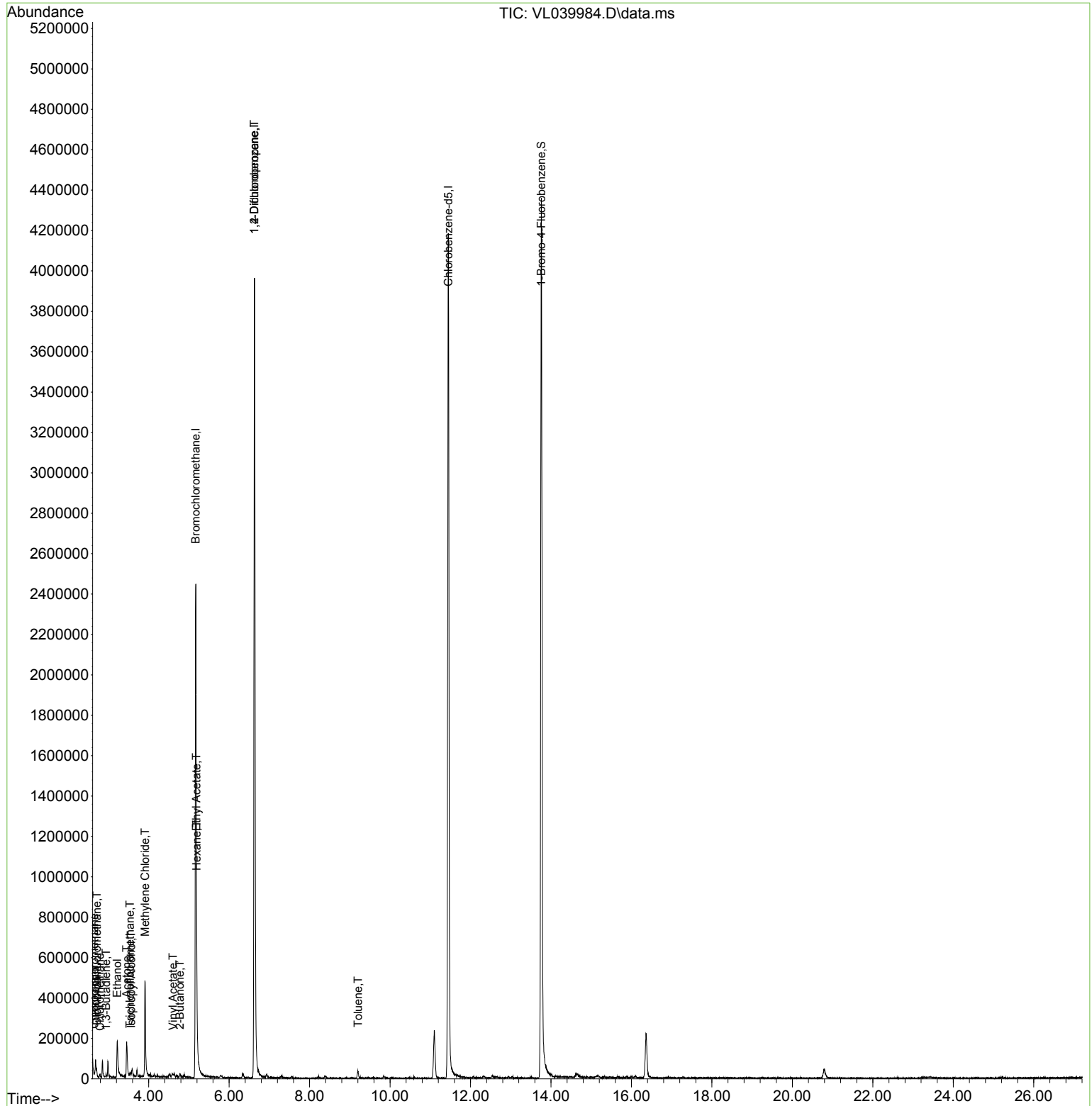
Internal Standards						
1) Bromochloromethane	5.169	49	1138273	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	2965305	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2712827	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	2179224	10.517	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.709	85	23437	0.144	ppbv #	76
3) Chlorodifluoromethane	2.652	51	14453	0.092	ppbv	99
4) Chloromethane	2.790	50	11001	0.110	ppbv	93
9) Propene	2.677	41	23046	0.311	ppbv	91
11) Trichlorofluoromethane	3.536	101	5007	0.025	ppbv #	76
13) Ethanol	3.217	45	187934	33.269	ppbv	89
15) Acetone	3.452	43	157495	1.043	ppbv	95
16) 1,3-Butadiene	2.944	39	1687	0.022	ppbv #	55
19) Isopropyl Alcohol	3.568	45	7995	0.098	ppbv #	62
20) Methylene Chloride	3.909	84	169065	2.311	ppbv	91
23) Vinyl Acetate	4.603	43	2952	0.048	ppbv #	84
25) Ethyl Acetate	5.188	43	66477	0.240	ppbv #	79
26) Hexane	5.192	57	91699	0.757	ppbv #	37
34) 2-Butanone	4.774	43	20187	0.142	ppbv #	89
39) 1,2-Dichloropropane	6.629	63	756026	7.699	ppbv #	26
53) Toluene	9.204	91	14264	0.050	ppbv #	43

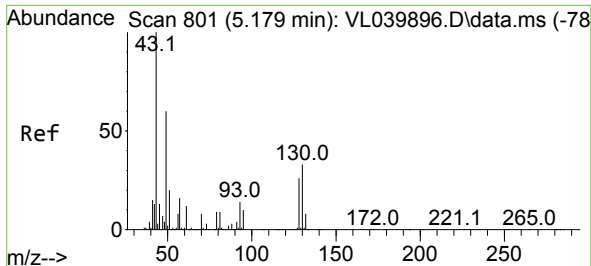
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\  
Data File : VL039984.D  
Acq On    : 12 Dec 2022   20:25  
Operator  : SY/MD  
Sample    : N5971-04DL 5X  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

Quant Time: Dec 13 07:09:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

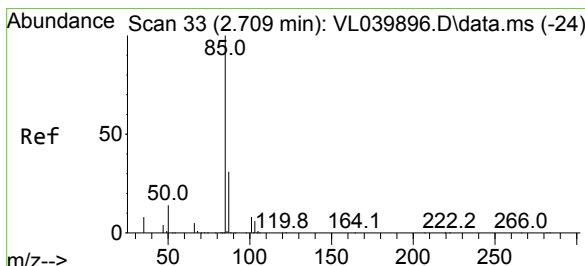
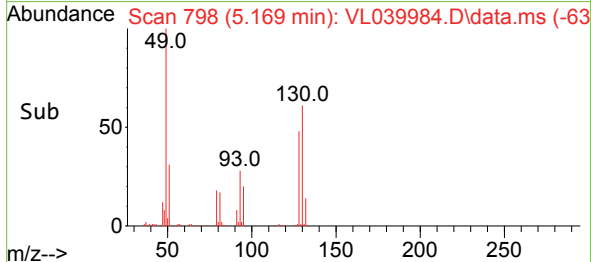
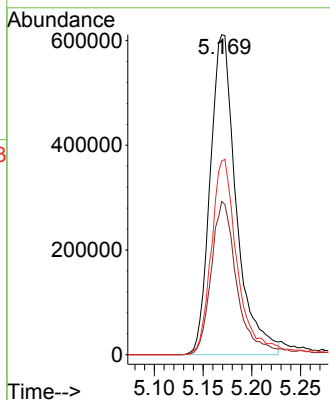
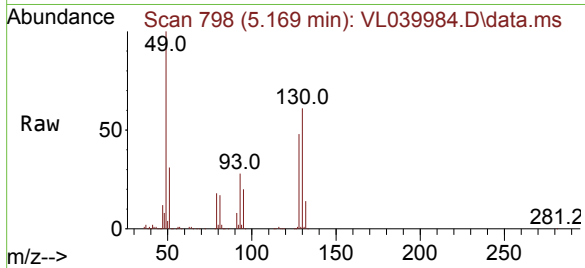




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

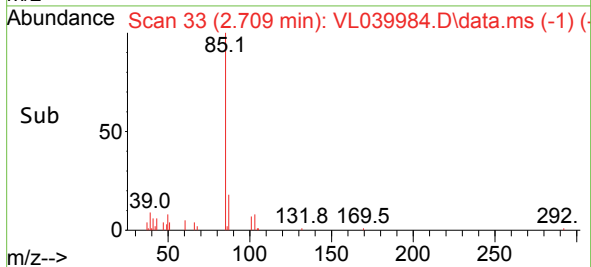
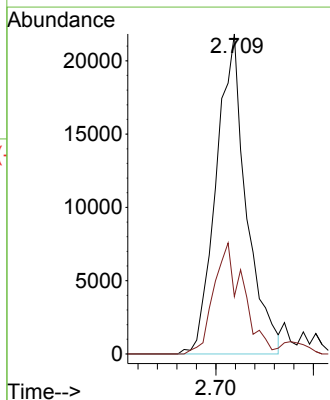
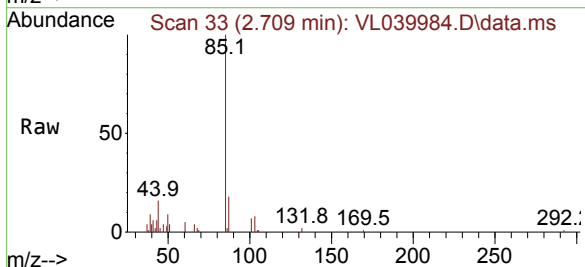
Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

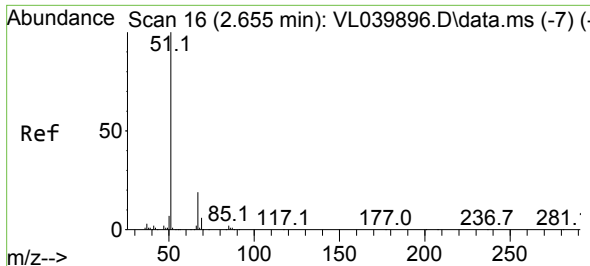
Tgt Ion: 49 Resp: 1138273
Ion Ratio Lower Upper
49 100
128 49.6 22.1 66.3
130 63.5 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.144 ppbv
RT: 2.709 min Scan# 33
Delta R.T. 0.013 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

Tgt Ion: 85 Resp: 23437
Ion Ratio Lower Upper
85 100
87 18.0 25.0 37.4#

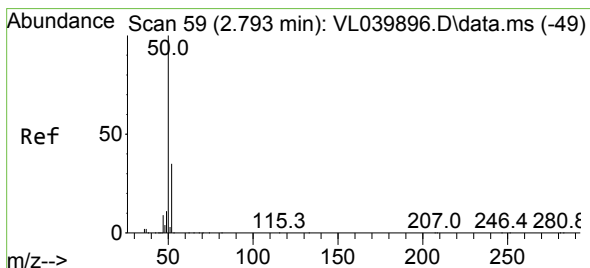
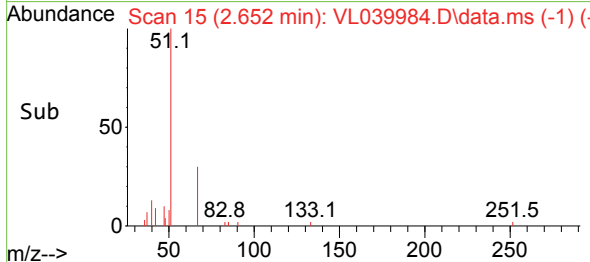
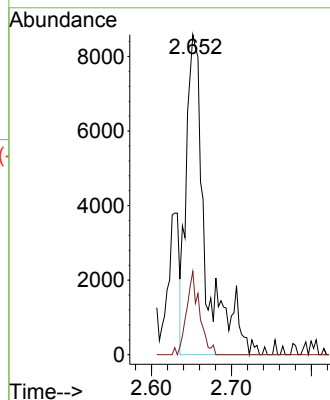
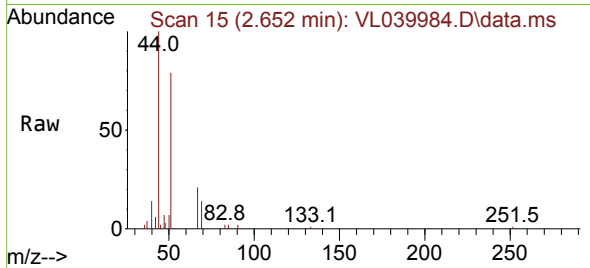




#3
Chlorodifluoromethane
Concen: 0.092 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

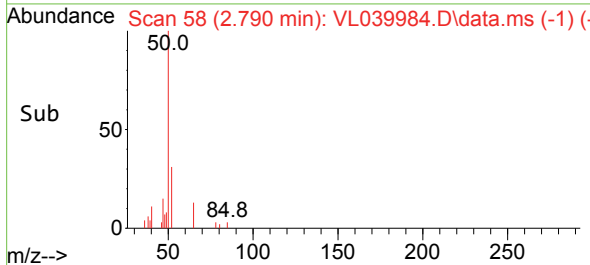
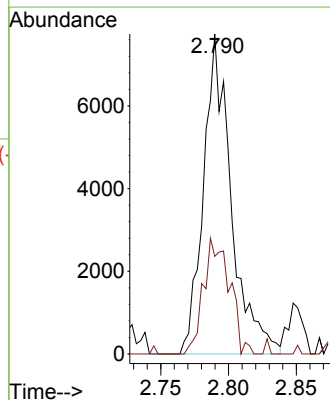
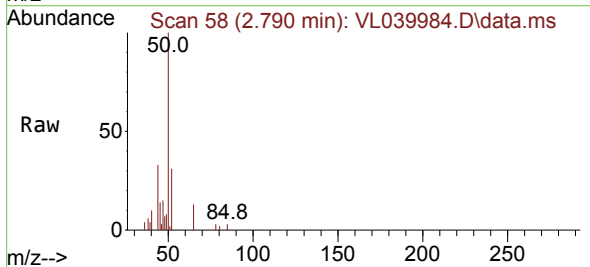
Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

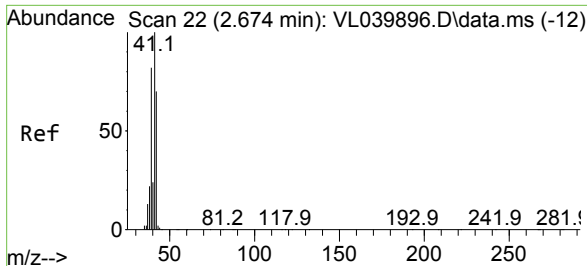
Tgt Ion: 51 Resp: 14453
Ion Ratio Lower Upper
51 100
67 17.4 14.2 21.4



#4
Chloromethane
Concen: 0.110 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

Tgt Ion: 50 Resp: 11001
Ion Ratio Lower Upper
50 100
52 30.5 27.8 41.8

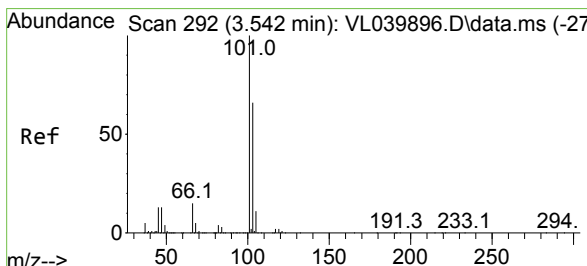
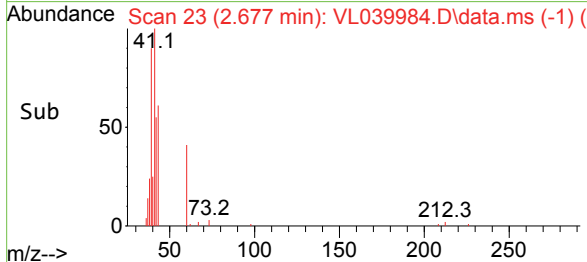
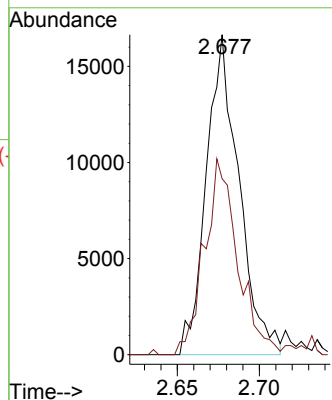
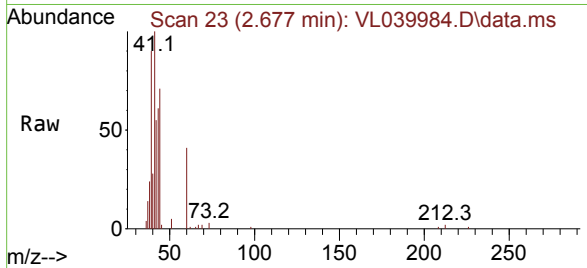




#9
Propene
Concen: 0.311 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

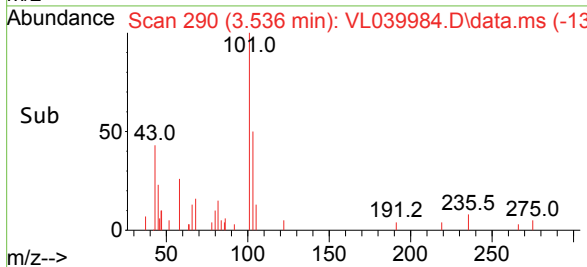
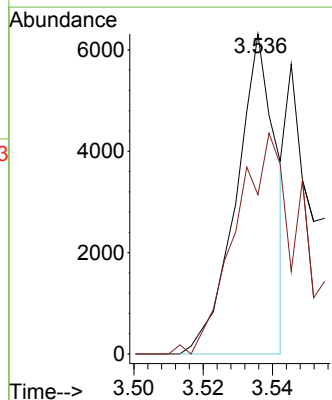
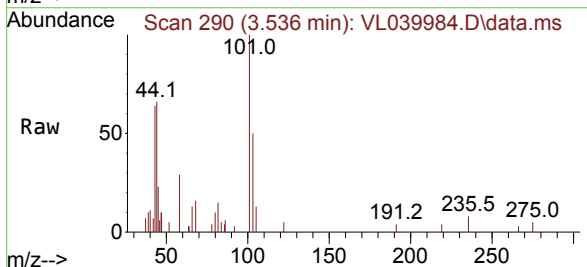
Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

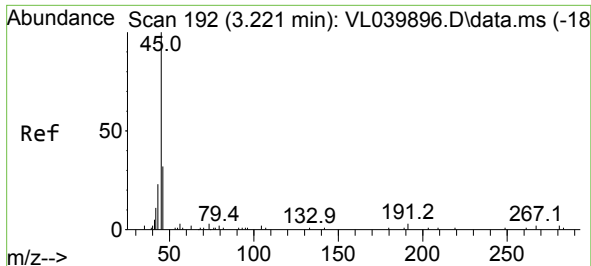
Tgt Ion: 41 Resp: 23046
Ion Ratio Lower Upper
41 100
42 62.4 55.8 83.6



#11
Trichlorofluoromethane
Concen: 0.025 ppbv
RT: 3.536 min Scan# 290
Delta R.T. 0.006 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

Tgt Ion: 101 Resp: 5007
Ion Ratio Lower Upper
101 100
103 46.9 52.6 78.8

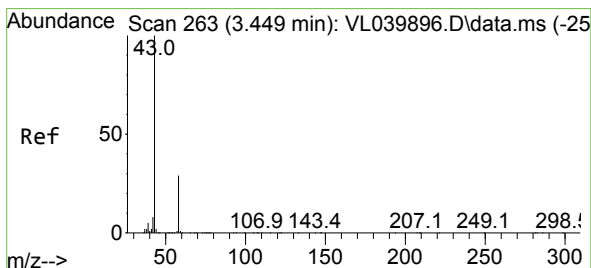
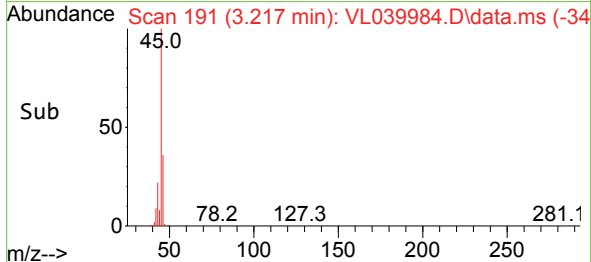
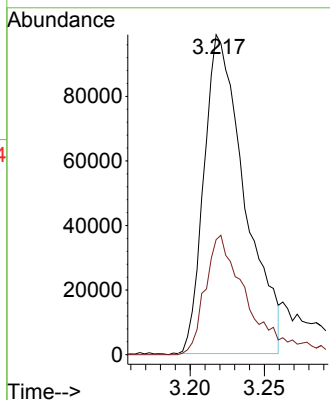
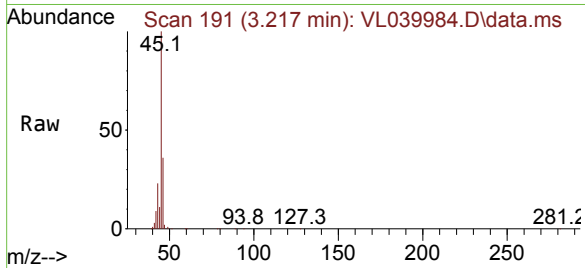




#13
Ethanol
Concen: 33.269 ppbv
RT: 3.217 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

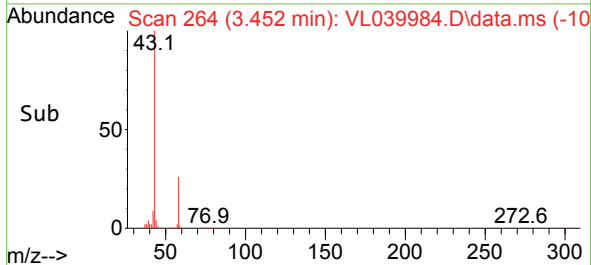
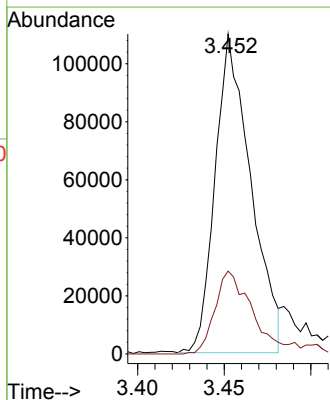
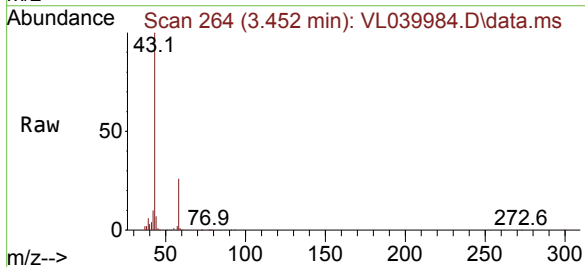
Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

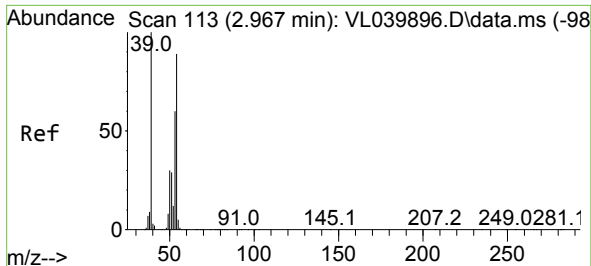
Tgt Ion: 45 Resp: 187934
Ion Ratio Lower Upper
45 100
46 42.8 14.6 58.2



#15
Acetone
Concen: 1.043 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.019 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

Tgt Ion: 43 Resp: 157495
Ion Ratio Lower Upper
43 100
58 31.1 22.9 34.3





#16

1,3-Butadiene

Concen: 0.022 ppbv

RT: 2.944 min Scan# 113

Delta R.T. -0.006 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

Instrument :

MSVOA_L

ClientSampleId :

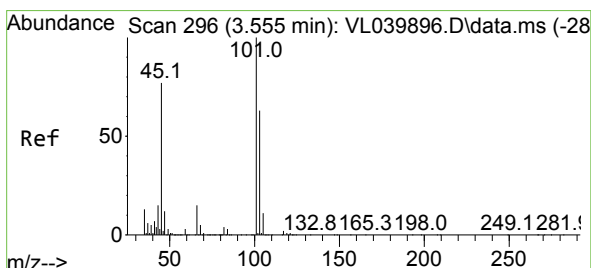
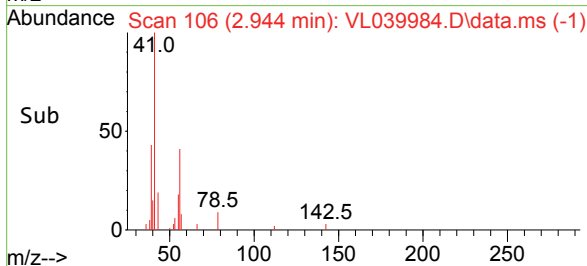
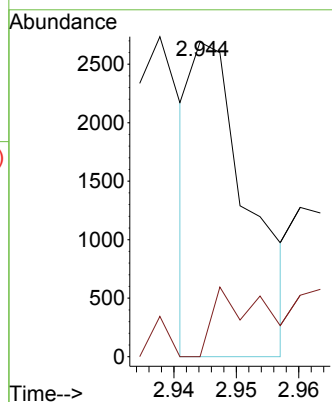
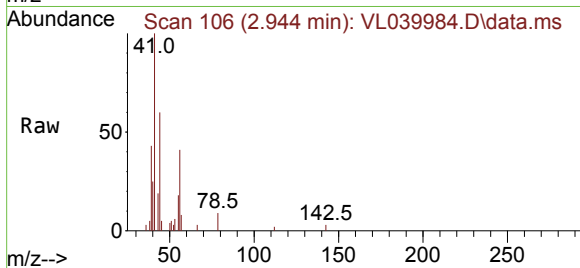
OA-2DL

Tgt Ion: 39 Resp: 1687

Ion Ratio Lower Upper

39 100

54 42.3 66.6 99.8#



#19

Isopropyl Alcohol

Concen: 0.098 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.026 min

Lab File: VL039984.D

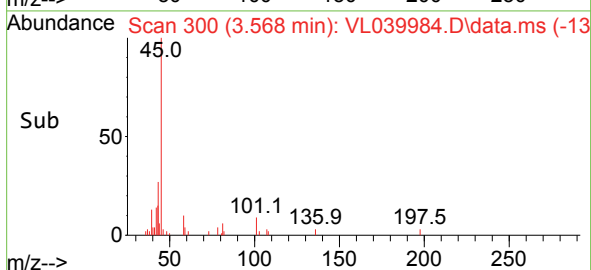
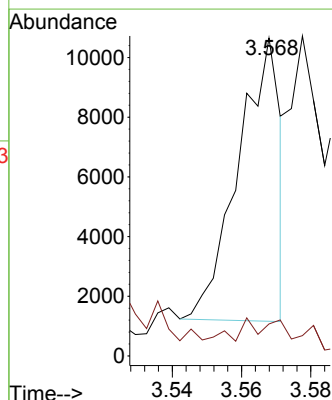
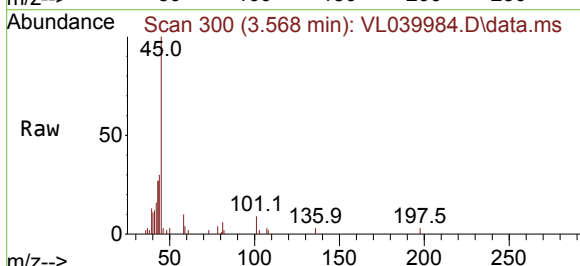
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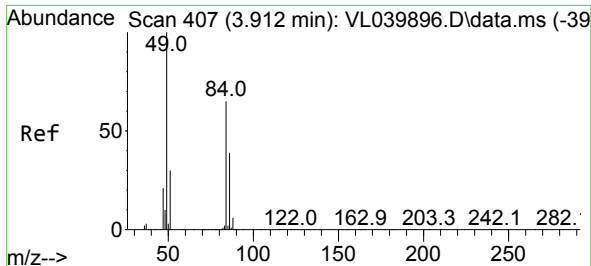
Tgt Ion: 45 Resp: 7995

Ion Ratio Lower Upper

45 100

58 22.9 38.7 58.1#





#20

Methylene Chloride

Concen: 2.311 ppbv

RT: 3.909 min Scan# 407

Delta R.T. 0.013 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

Instrument :

MSVOA_L

ClientSampleId :

OA-2DL

Tgt Ion: 84 Resp: 169065

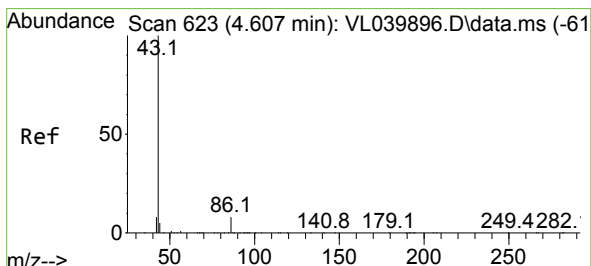
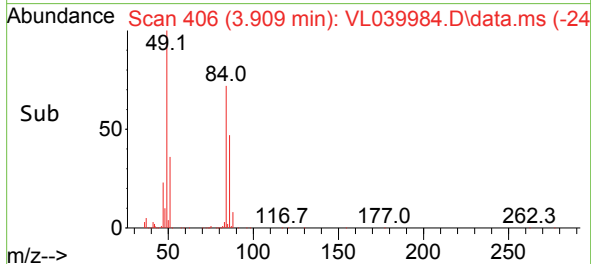
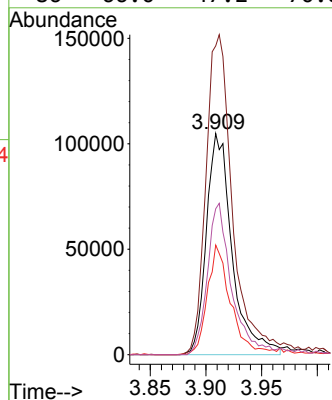
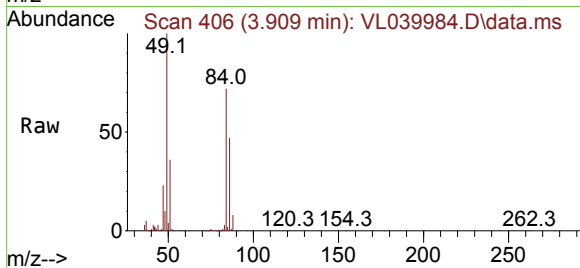
Ion Ratio Lower Upper

84 100

49 139.7 122.2 183.4

51 49.4 36.3 54.5

86 66.0 47.2 70.8



#23

Vinyl Acetate

Concen: 0.048 ppbv

RT: 4.603 min Scan# 622

Delta R.T. 0.010 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

Tgt Ion: 43 Resp: 2952

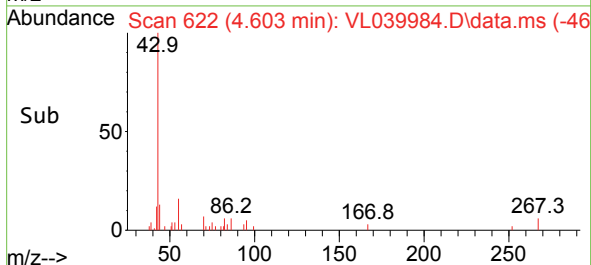
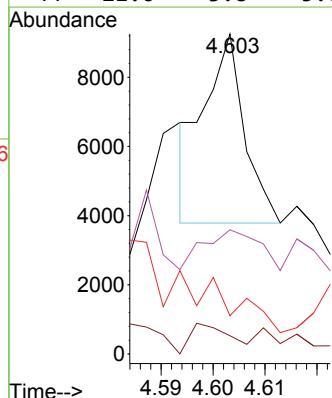
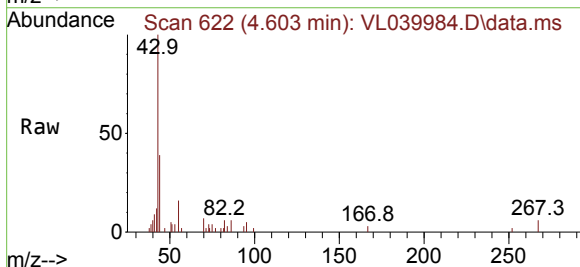
Ion Ratio Lower Upper

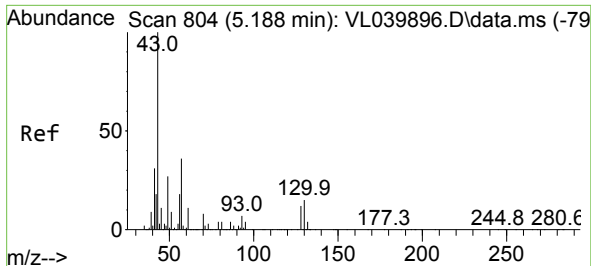
43 100

86 9.7 5.0 7.4#

42 9.0 7.6 11.4

44 21.6 3.8 5.6#

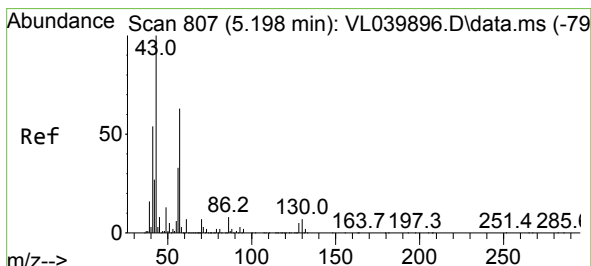
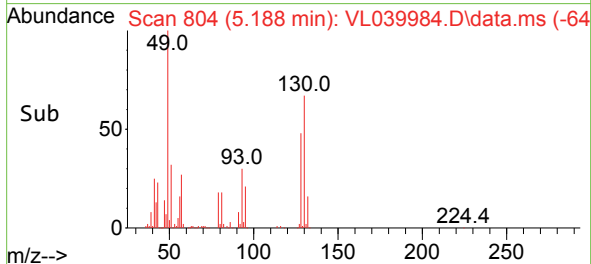
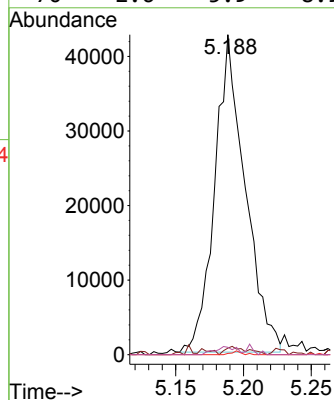
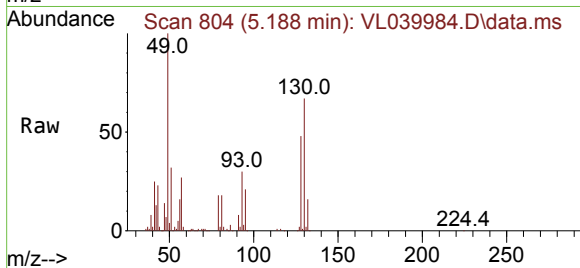




#25
Ethyl Acetate
Concen: 0.240 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.019 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

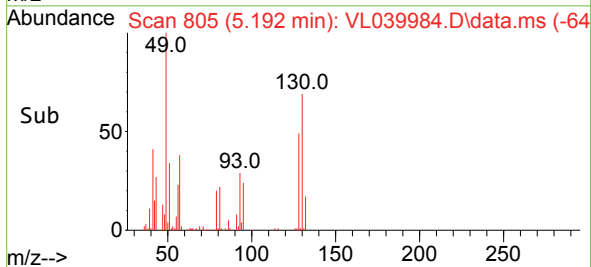
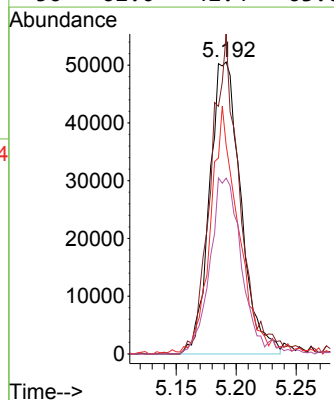
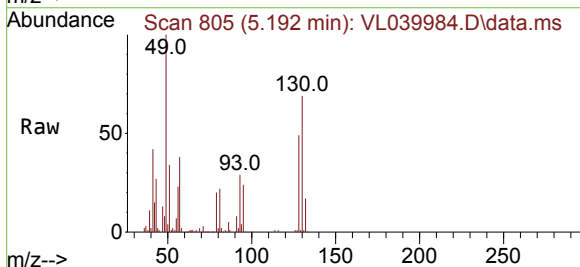
Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

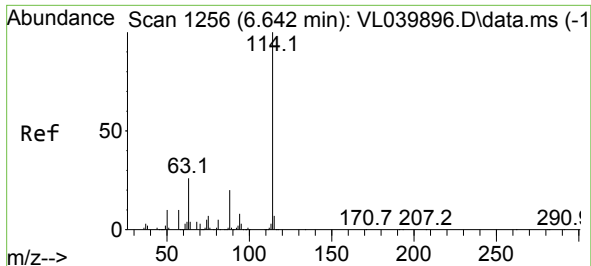
Tgt Ion:	43	Resp:	66477
Ion	Ratio	Lower	Upper
43	100		
45	3.3	8.4	12.6#
61	0.4	8.5	12.7#
70	2.6	5.9	8.9#



#26
Hexane
Concen: 0.757 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

Tgt Ion:	57	Resp:	91699
Ion	Ratio	Lower	Upper
57	100		
41	100.9	72.3	108.5
43	77.4	188.7	283.1#
56	62.0	42.4	63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

Instrument :

MSVOA_L

ClientSampleId :

OA-2DL

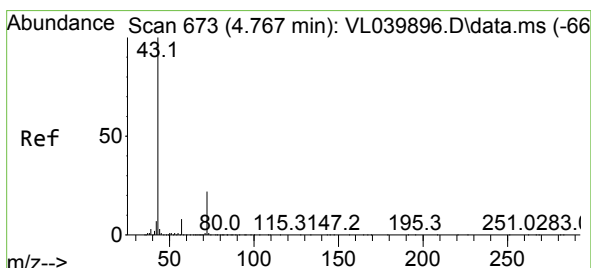
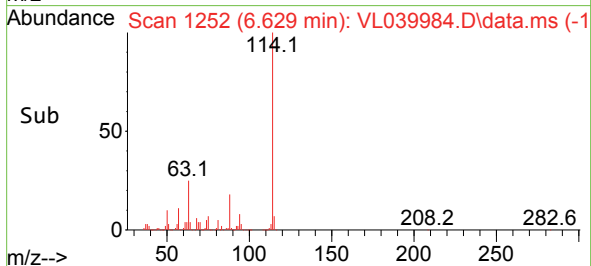
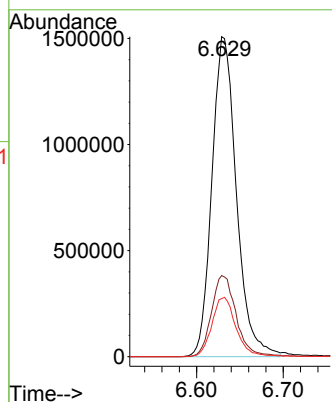
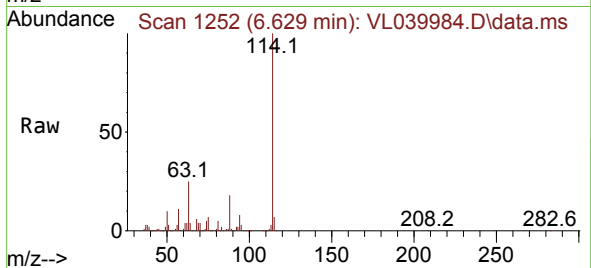
Tgt Ion:114 Resp: 2965305

Ion Ratio Lower Upper

114 100

63 25.8 21.4 32.0

88 18.5 15.3 22.9



#34

2-Butanone

Concen: 0.142 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.023 min

Lab File: VL039984.D

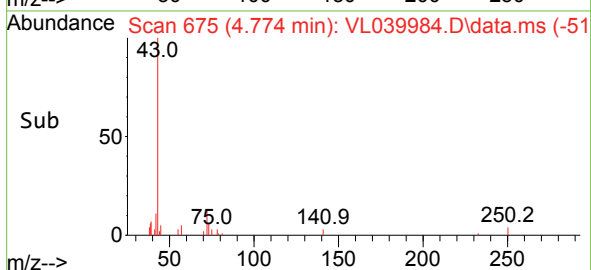
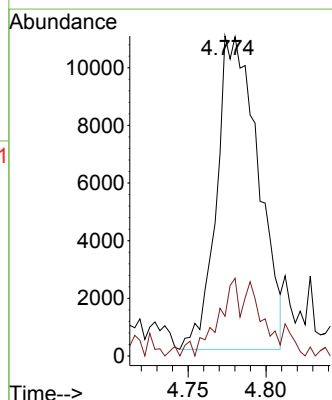
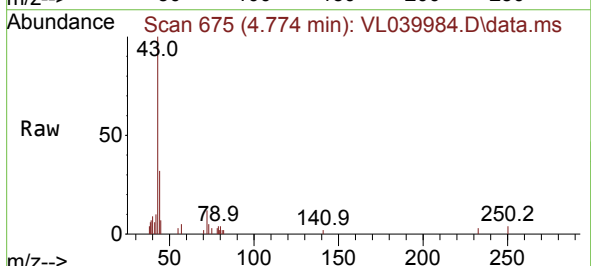
Acq: 12 Dec 2022 20:25

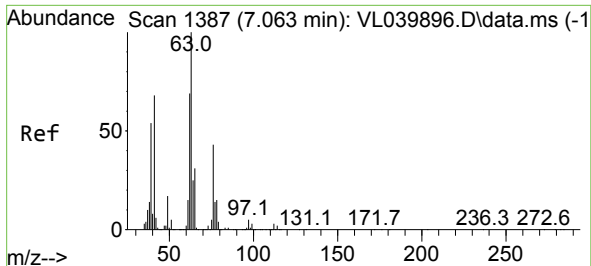
Tgt Ion: 43 Resp: 20187

Ion Ratio Lower Upper

43 100

72 26.8 17.4 26.2#





#39

1,2-Dichloropropane

Concen: 7.699 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.405 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

Instrument :

MSVOA_L

ClientSampleId :

OA-2DL

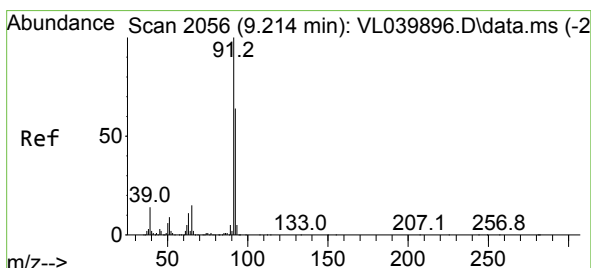
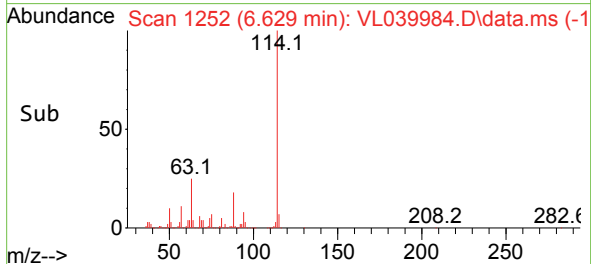
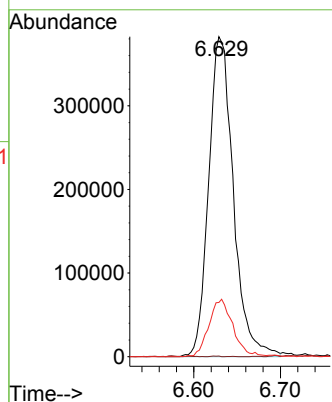
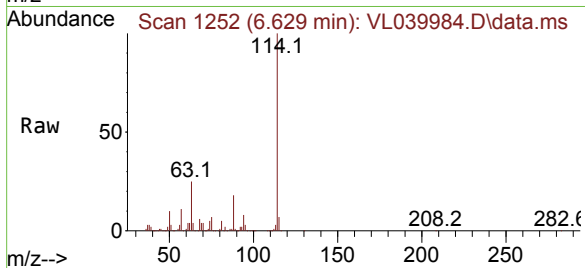
Tgt Ion: 63 Resp: 756026

Ion Ratio Lower Upper

63 100

41 0.1 54.7 82.1#

62 17.0 55.0 82.6#



#53

Toluene

Concen: 0.050 ppbv

RT: 9.204 min Scan# 2053

Delta R.T. 0.019 min

Lab File: VL039984.D

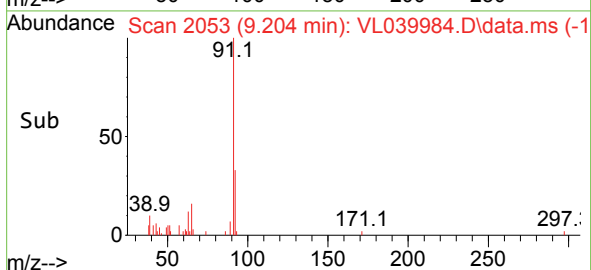
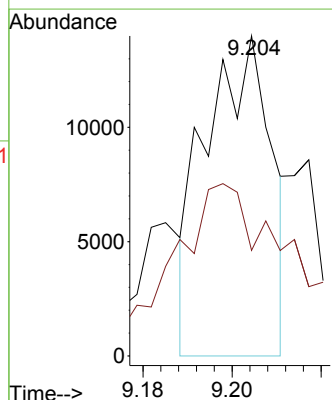
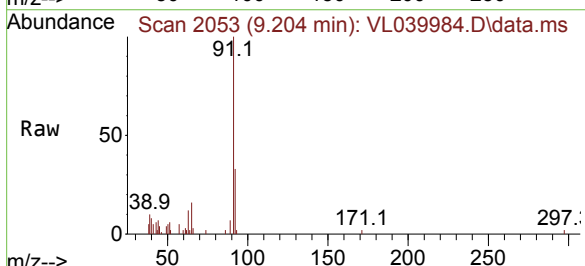
Acq: 12 Dec 2022 20:25

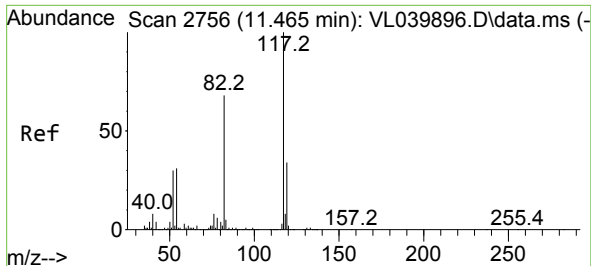
Tgt Ion: 91 Resp: 14264

Ion Ratio Lower Upper

91 100

92 106.1 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: VL039984.D

Acq: 12 Dec 2022 20:25

Instrument :

MSVOA_L

ClientSampleId :

OA-2DL

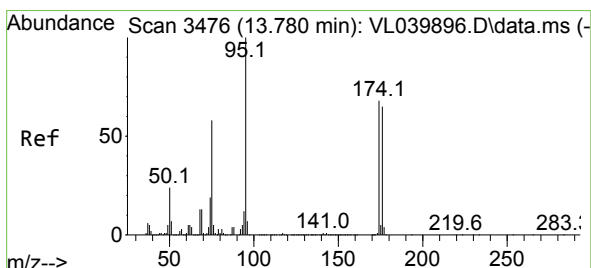
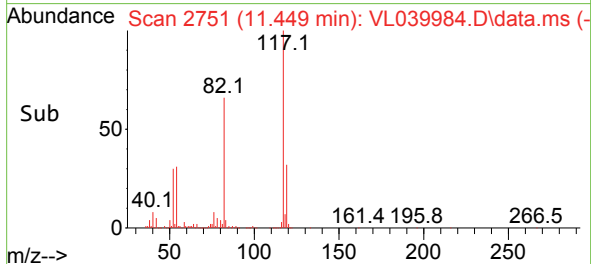
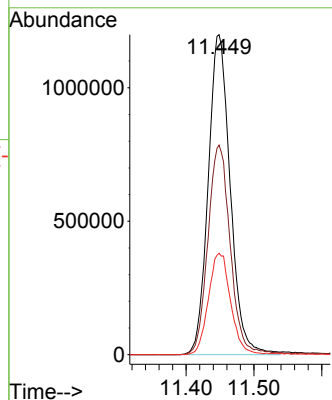
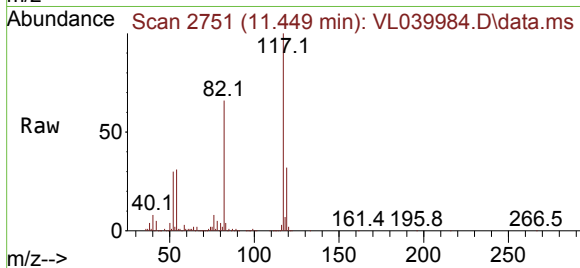
Tgt Ion:117 Resp: 2712827

Ion Ratio Lower Upper

117 100

82 66.7 52.3 78.5

119 32.4 25.7 38.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.517 ppbv

RT: 13.760 min Scan# 3470

Delta R.T. 0.019 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

Tgt Ion: 95 Resp: 2179224

Ion Ratio Lower Upper

95 100

174 61.0 53.7 80.5

175 4.3 4.0 6.0

