

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041116.D
 Acq On : 15 Mar 2024 8:37
 Operator : SY/MD
 Sample : P1748-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04

Quant Time: Mar 16 02:12:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 15 02:44:43 2024
 Response via : Initial Calibration

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

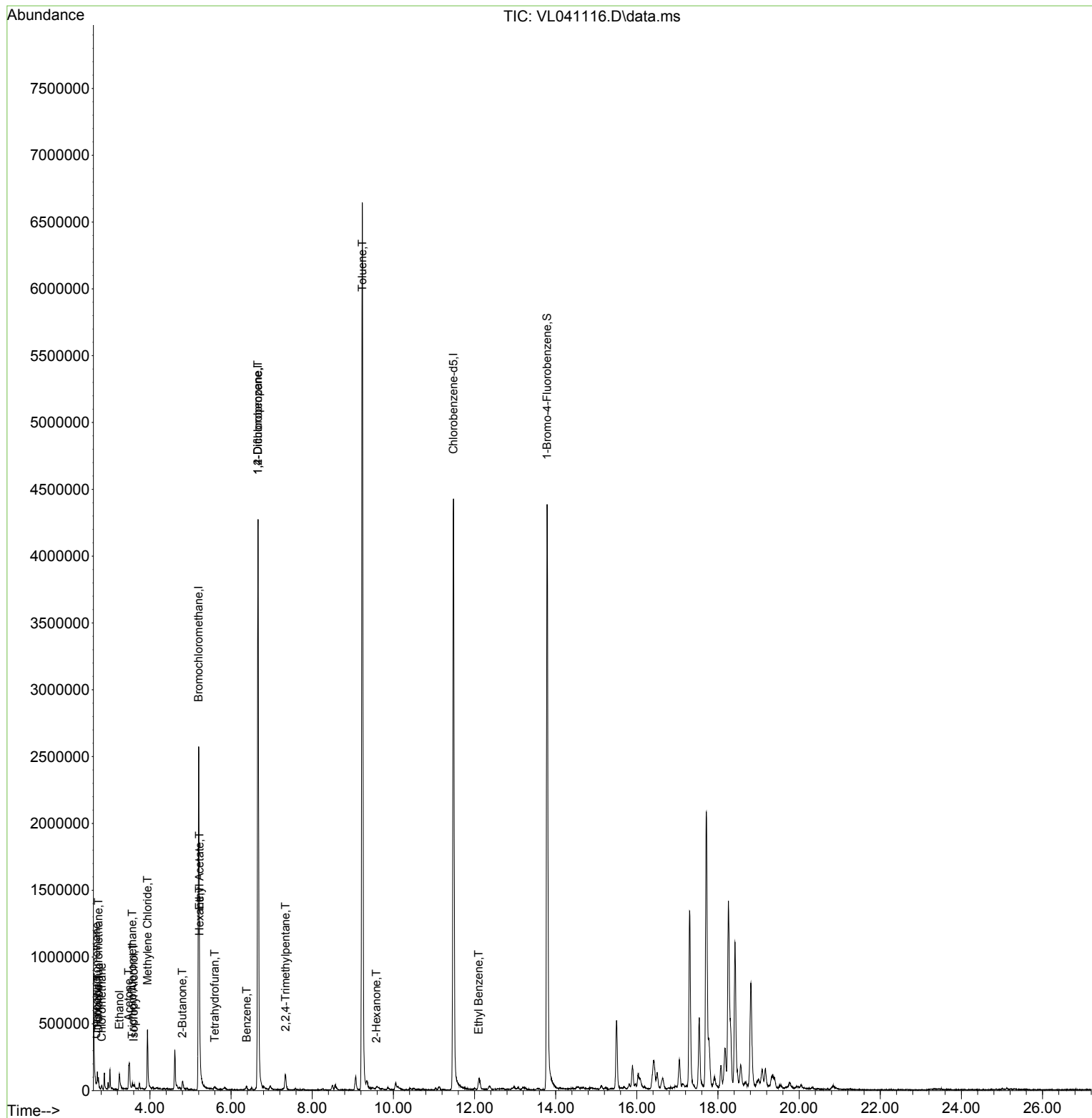
Internal Standards						
1) Bromochloromethane	5.201	49	1232608	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3111872	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2831900	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2252652	10.174	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	44572	0.190	ppbv	96
3) Chlorodifluoromethane	2.677	51	34106	0.188	ppbv #	91
4) Chloromethane	2.816	50	19907	0.291	ppbv	91
9) Propene	2.706	41	33910	0.562	ppbv	88
11) Trichlorofluoromethane	3.568	101	20741	0.115	ppbv	89
13) Ethanol	3.246	45	123974	7.717	ppbv	93
15) Acetone	3.478	43	201732	1.437	ppbv	99
19) Isopropyl Alcohol	3.597	45	19528	0.260	ppbv #	1
20) Methylene Chloride	3.941	84	143907	2.629	ppbv	95
25) Ethyl Acetate	5.221	43	63141	0.250	ppbv #	80
26) Hexane	5.224	57	76728	0.679	ppbv #	40
34) 2-Butanone	4.796	43	24233	0.157	ppbv #	54
36) Benzene	6.385	78	13605	0.059	ppbv #	84
39) 1,2-Dichloropropane	6.664	63	802250	8.658	ppbv #	23
41) Tetrahydrofuran	5.594	42	5991	0.065	ppbv #	43
44) 2,2,4-Trimethylpentane	7.340	57	89238	0.231	ppbv #	81
51) 2-Hexanone	9.581	43	8822	0.053	ppbv #	45
53) Toluene	9.233	91	5301287	21.232	ppbv	97
58) Ethyl Benzene	12.105	91	37152	0.112	ppbv	96

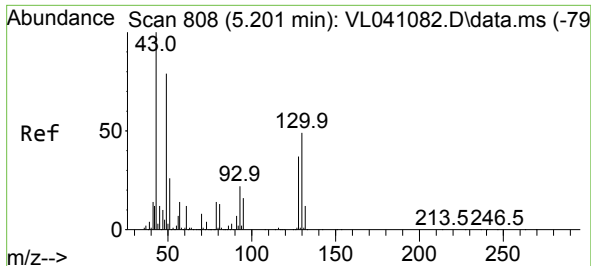
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
Data File : VL041116.D
Acq On : 15 Mar 2024 8:37
Operator : SY/MD
Sample : P1748-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-04

Quant Time: Mar 16 02:12:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Mar 15 02:44:43 2024
Response via : Initial Calibration

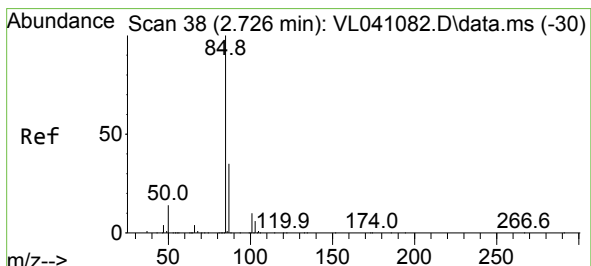
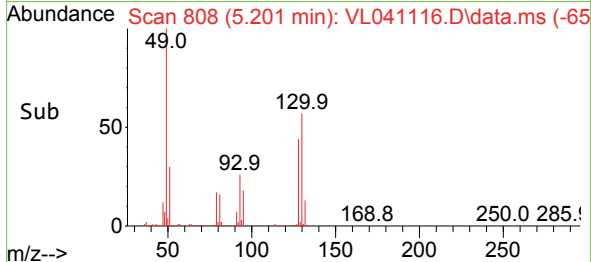
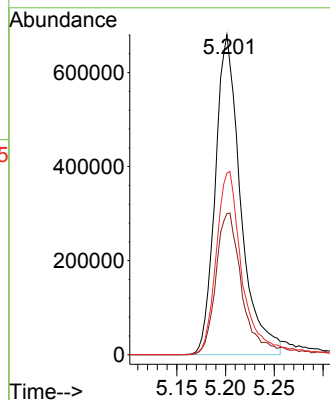
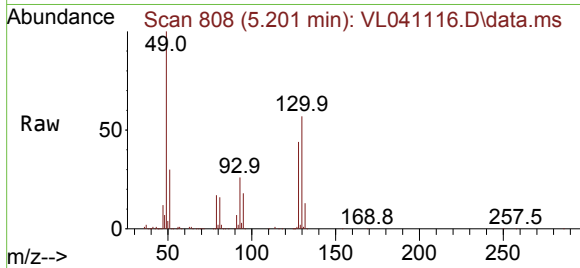




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VL041116.D
 Acq: 15 Mar 2024 8:37

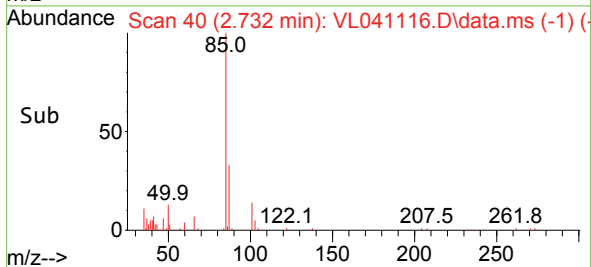
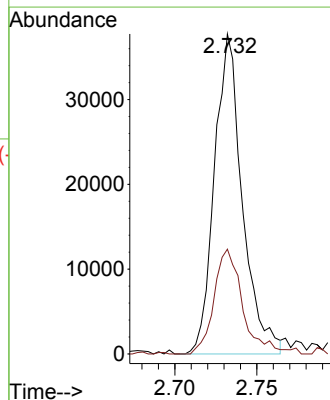
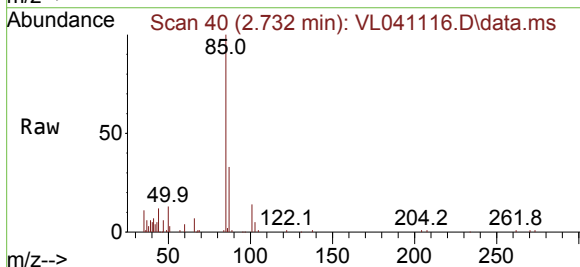
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04

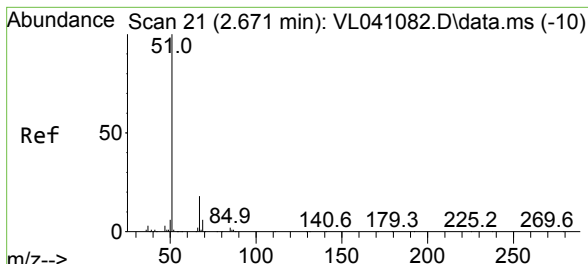
Tgt Ion: 49 Resp: 1232608
 Ion Ratio Lower Upper
 49 100
 128 47.7 23.8 71.5
 130 60.5 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.190 ppbv
 RT: 2.732 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VL041116.D
 Acq: 15 Mar 2024 8:37

Tgt Ion: 85 Resp: 44572
 Ion Ratio Lower Upper
 85 100
 87 32.7 28.1 42.1

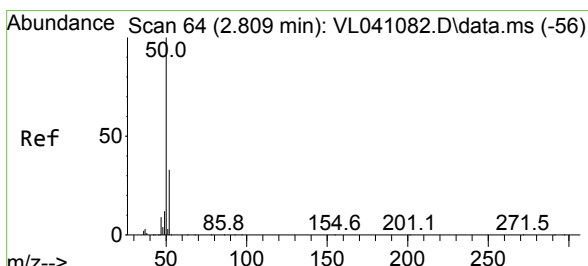
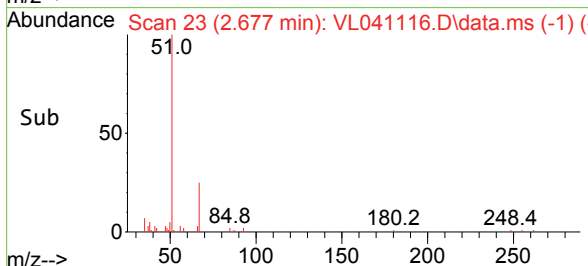
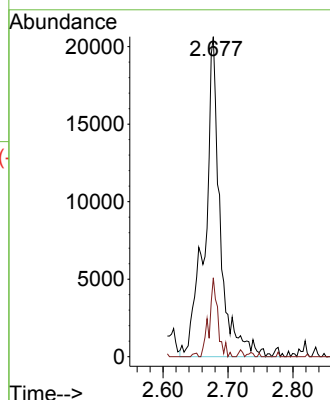
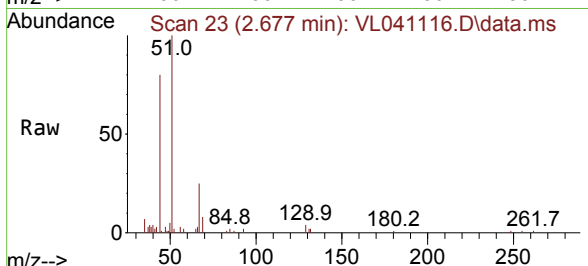




#3
 Chlorodifluoromethane
 Concen: 0.188 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL041116.D
 Acq: 15 Mar 2024 8:37

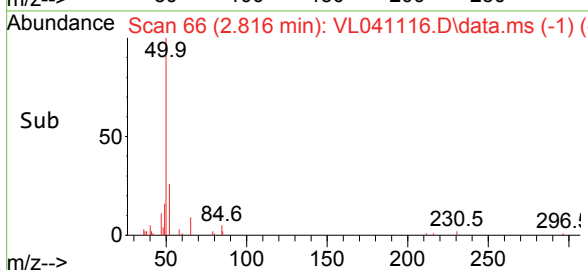
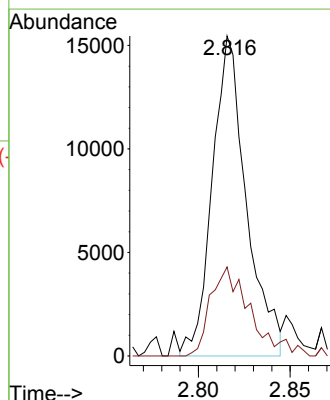
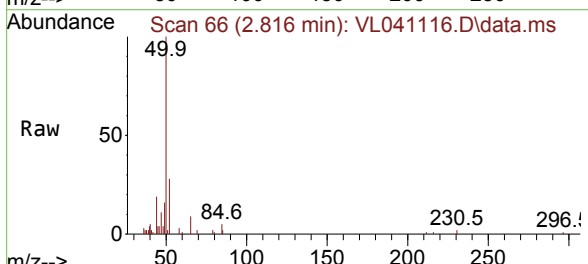
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04

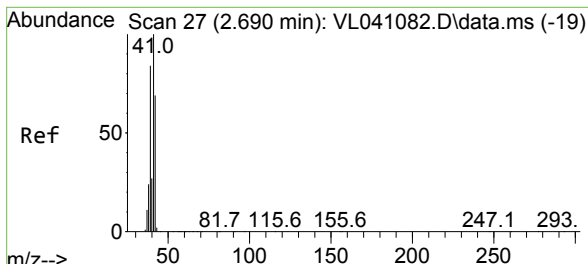
Tgt Ion: 51 Resp: 34106
 Ion Ratio Lower Upper
 51 100
 67 14.1 14.5 21.7#



#4
 Chloromethane
 Concen: 0.291 ppbv
 RT: 2.816 min Scan# 66
 Delta R.T. 0.006 min
 Lab File: VL041116.D
 Acq: 15 Mar 2024 8:37

Tgt Ion: 50 Resp: 19907
 Ion Ratio Lower Upper
 50 100
 52 28.2 26.6 40.0





#9

Propene

Concen: 0.562 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

Instrument :

MSVOA_L

ClientSampleId :

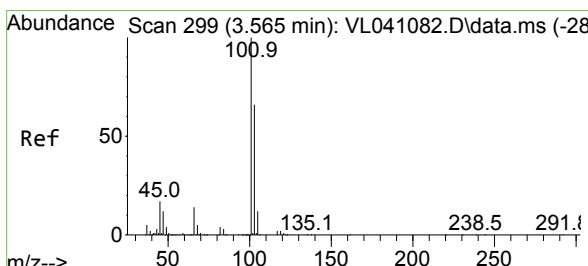
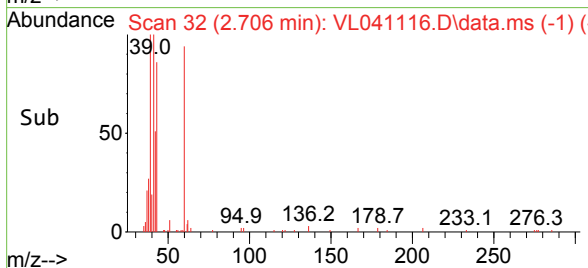
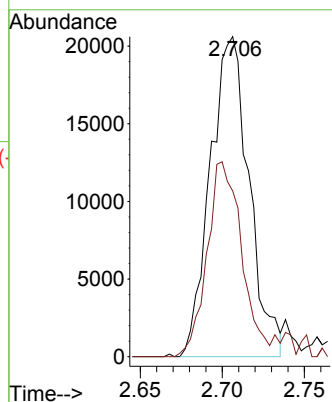
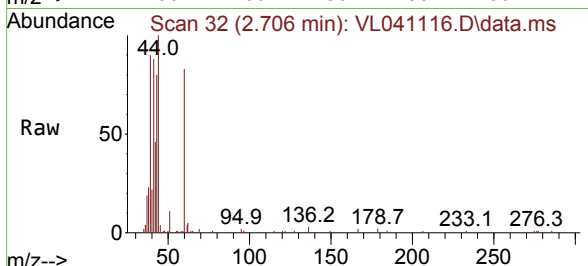
SVP-04

Tgt Ion: 41 Resp: 33910

Ion Ratio Lower Upper

41 100

42 59.9 55.9 83.9



#11

Trichlorofluoromethane

Concen: 0.115 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL041116.D

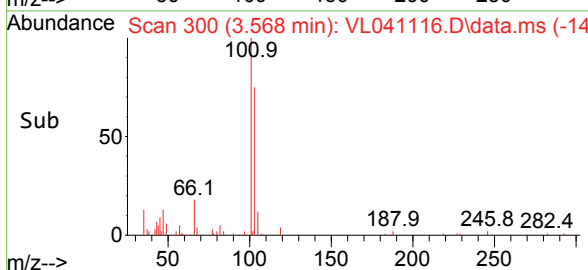
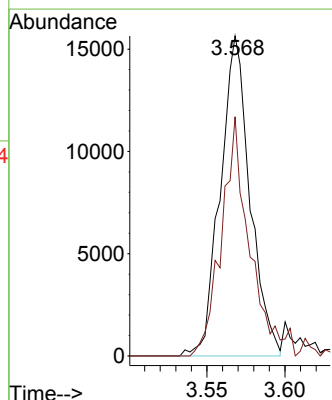
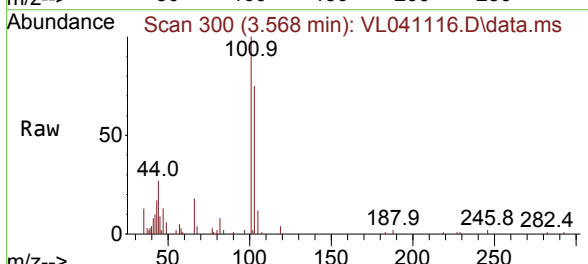
Acq: 15 Mar 2024 8:37

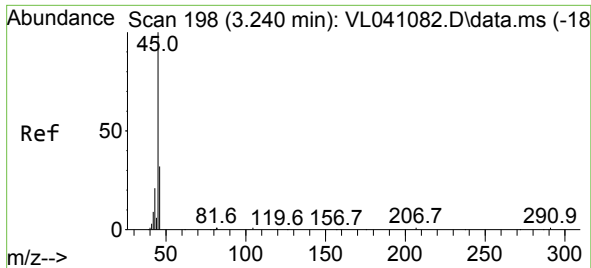
Tgt Ion: 101 Resp: 20741

Ion Ratio Lower Upper

101 100

103 74.8 53.0 79.4

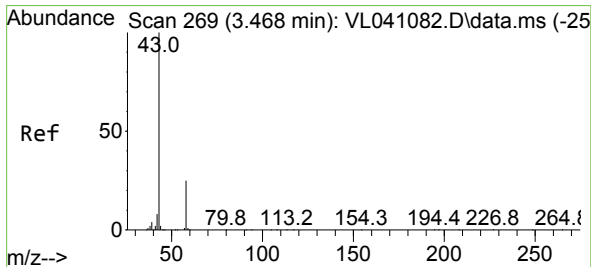
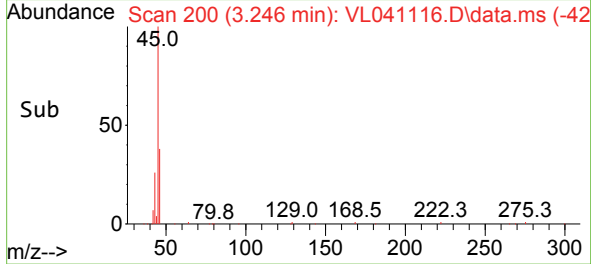
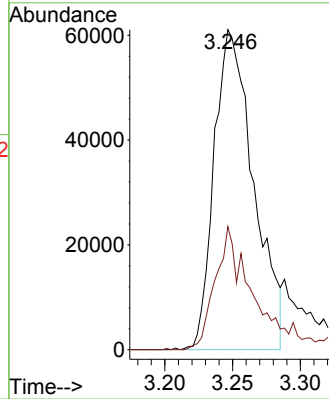
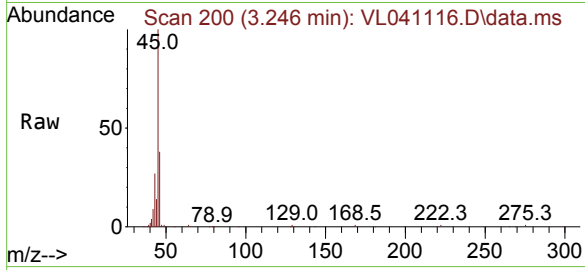




#13
 Ethanol
 Concen: 7.717 ppbv
 RT: 3.246 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VL041116.D
 Acq: 15 Mar 2024 8:37

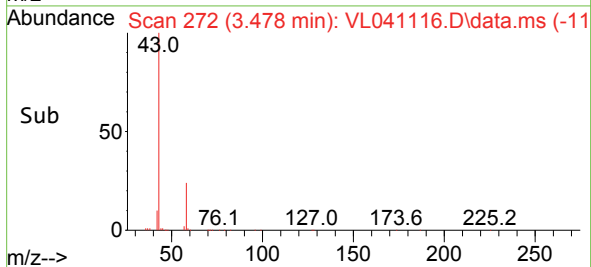
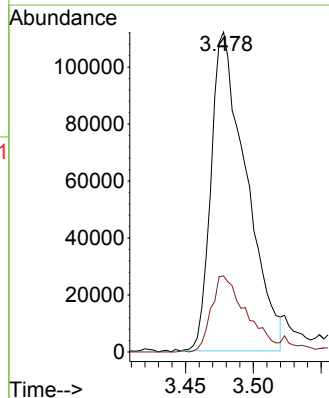
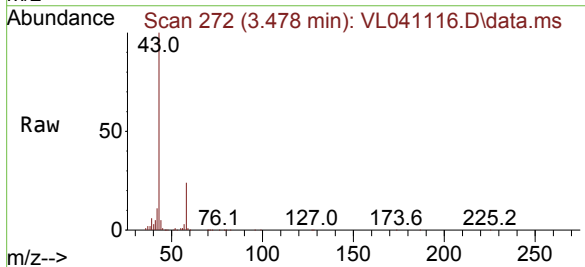
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04

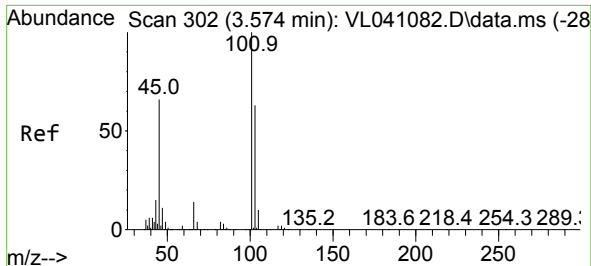
Tgt Ion: 45 Resp: 123974
 Ion Ratio Lower Upper
 45 100
 46 40.8 14.6 58.2



#15
 Acetone
 Concen: 1.437 ppbv
 RT: 3.478 min Scan# 272
 Delta R.T. 0.010 min
 Lab File: VL041116.D
 Acq: 15 Mar 2024 8:37

Tgt Ion: 43 Resp: 201732
 Ion Ratio Lower Upper
 43 100
 58 26.7 21.7 32.5





#19

Isopropyl Alcohol

Concen: 0.260 ppbv

RT: 3.597 min Scan# 302

Delta R.T. 0.023 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

Instrument :

MSVOA_L

ClientSampleId :

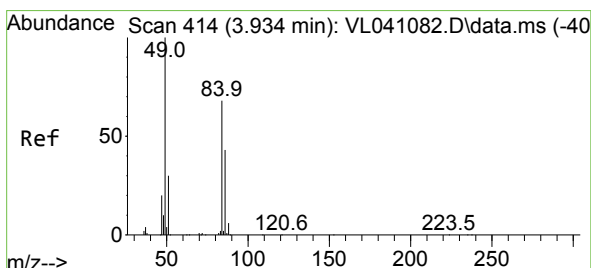
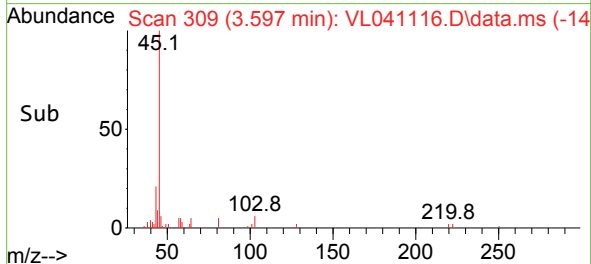
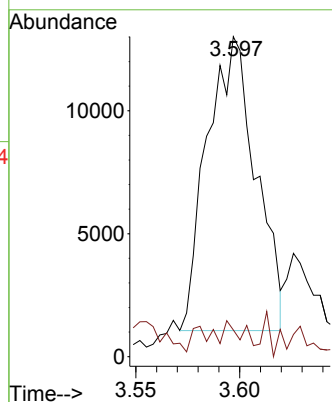
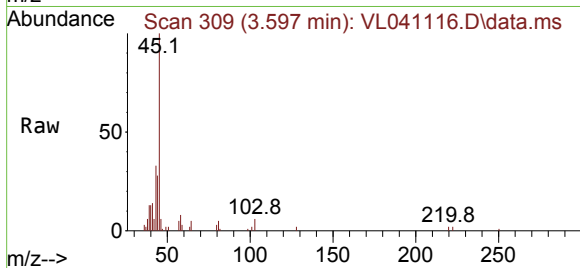
SVP-04

Tgt Ion: 45 Resp: 19528

Ion Ratio Lower Upper

45 100

58 275.7 2.2 3.4#



#20

Methylene Chloride

Concen: 2.629 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.006 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

Tgt Ion: 84 Resp: 143907

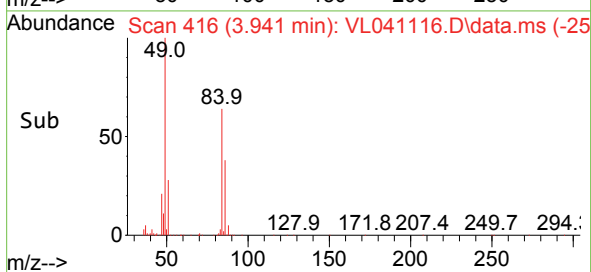
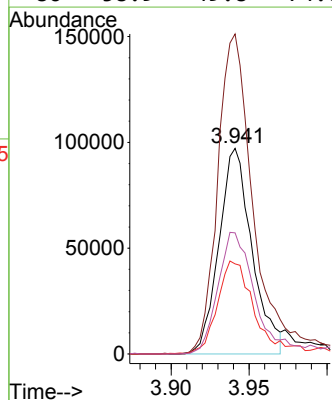
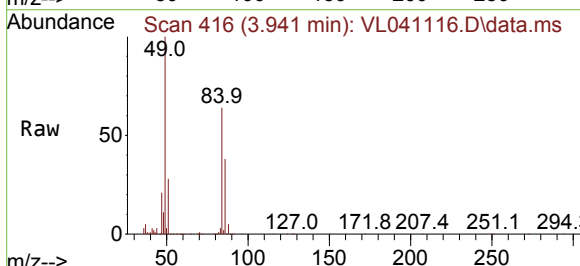
Ion Ratio Lower Upper

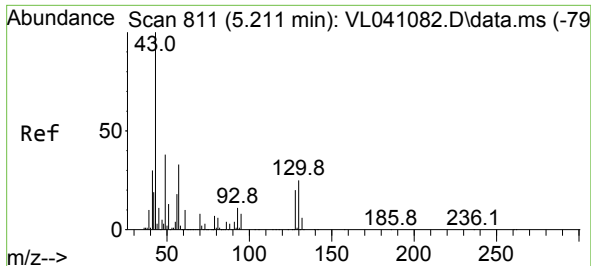
84 100

49 155.6 117.0 175.6

51 43.3 34.9 52.3

86 58.9 49.8 74.6

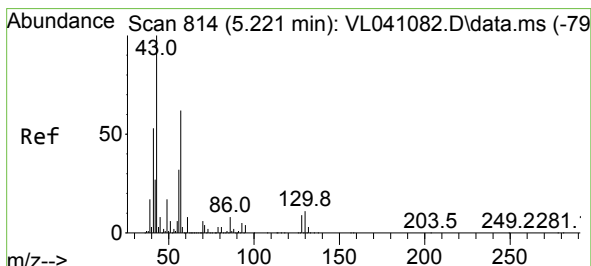
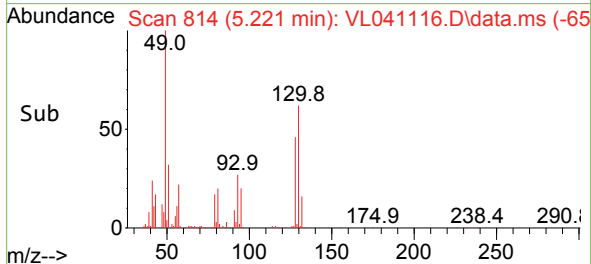
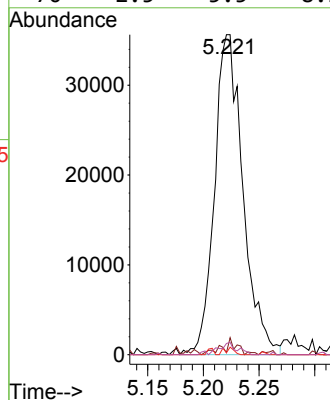
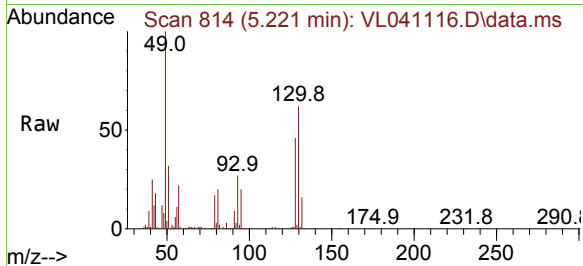




#25
Ethyl Acetate
Concen: 0.250 ppbv
RT: 5.221 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL041116.D
Acq: 15 Mar 2024 8:37

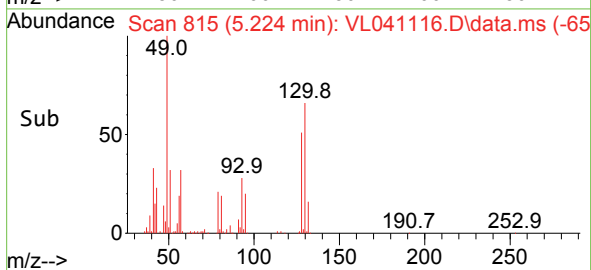
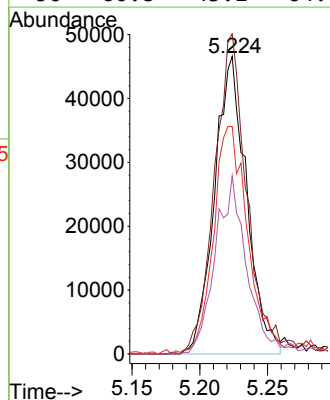
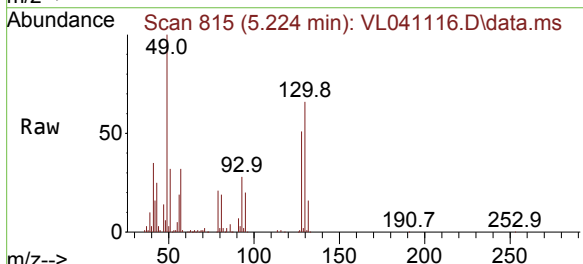
Instrument :
MSVOA_L
ClientSampleId :
SVP-04

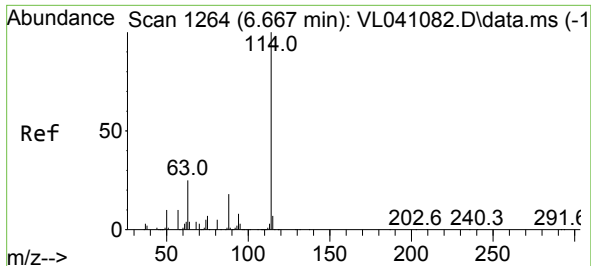
Tgt Ion: 43	Resp: 63141
Ion Ratio	Lower Upper
43 100	
45 3.2	8.2 12.2#
61 0.8	8.2 12.2#
70 2.5	5.5 8.3#



#26
Hexane
Concen: 0.679 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041116.D
Acq: 15 Mar 2024 8:37

Tgt Ion: 57	Resp: 76728
Ion Ratio	Lower Upper
57 100	
41 111.4	73.8 110.6#
43 86.1	184.2 276.2#
56 60.8	43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

Instrument :

MSVOA_L

ClientSampleId :

SVP-04

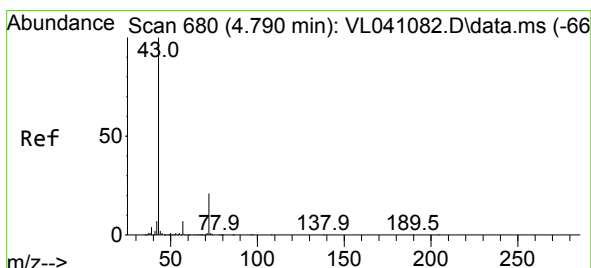
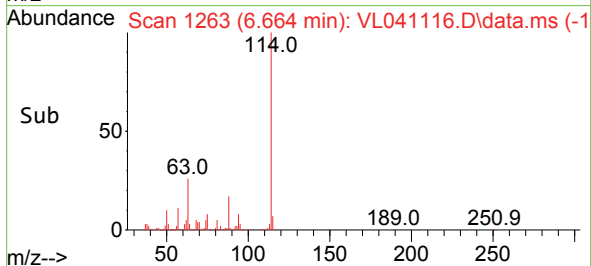
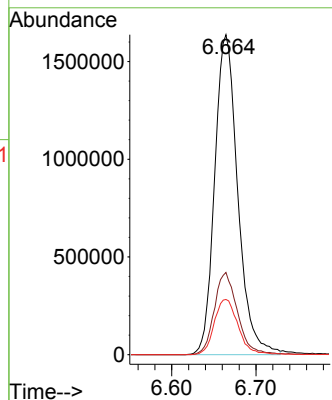
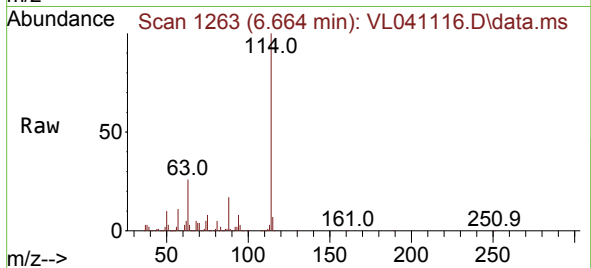
Tgt Ion:114 Resp: 3111872

Ion Ratio Lower Upper

114 100

63 26.2 21.0 31.6

88 18.0 14.6 22.0



#34

2-Butanone

Concen: 0.157 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.007 min

Lab File: VL041116.D

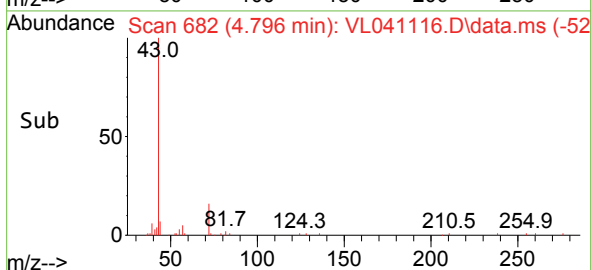
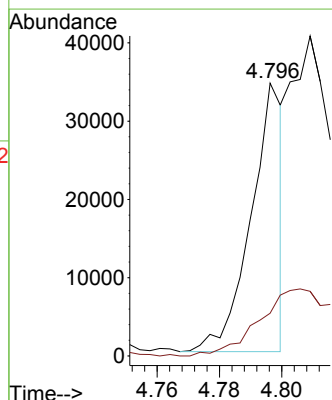
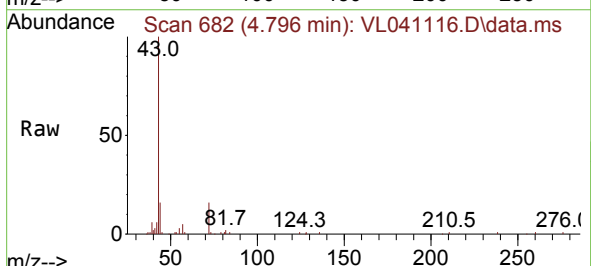
Acq: 15 Mar 2024 8:37

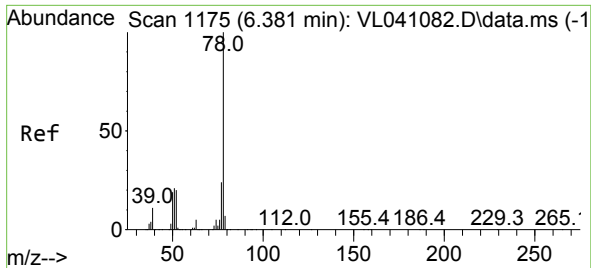
Tgt Ion: 43 Resp: 24233

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#





#36

Benzene

Concen: 0.059 ppbv

RT: 6.385 min Scan# 1175

Delta R.T. 0.003 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

Instrument :

MSVOA_L

ClientSampleId :

SVP-04

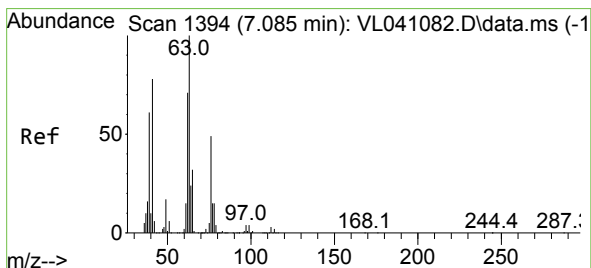
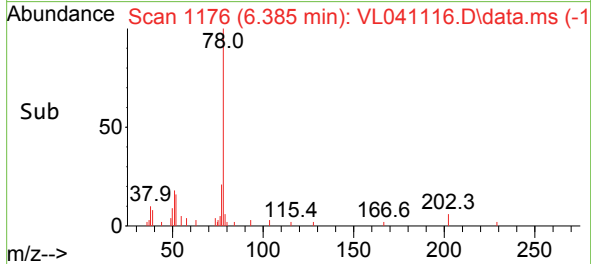
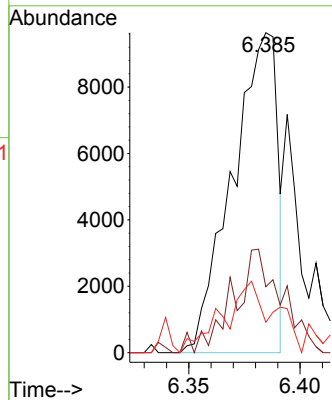
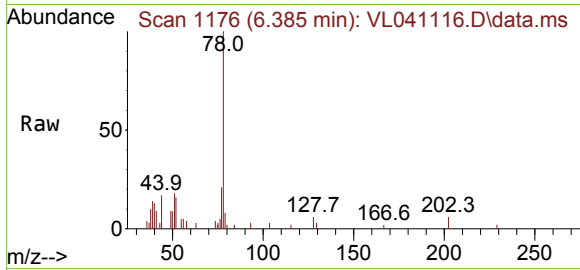
Tgt Ion: 78 Resp: 13605

Ion Ratio Lower Upper

78 100

77 20.6 18.8 28.2

50 6.3 15.5 23.3#



#39

1,2-Dichloropropane

Concen: 8.658 ppbv

RT: 6.664 min Scan# 1263

Delta R.T. -0.421 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

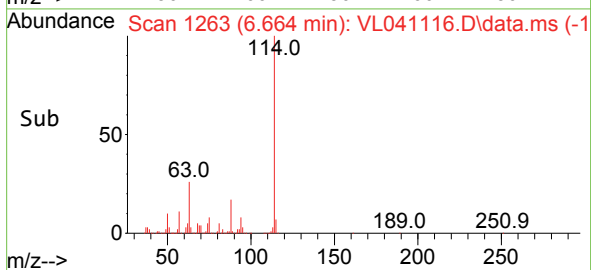
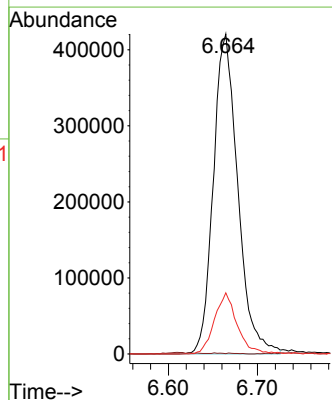
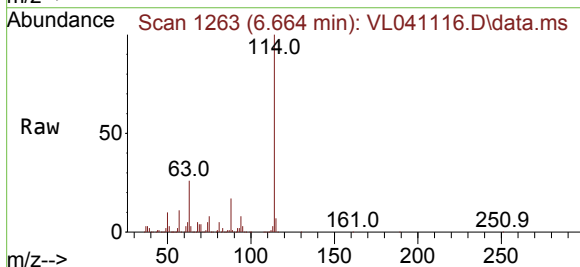
Tgt Ion: 63 Resp: 802250

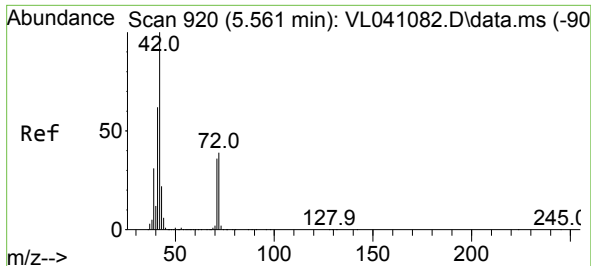
Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.4#

62 19.1 57.0 85.4#

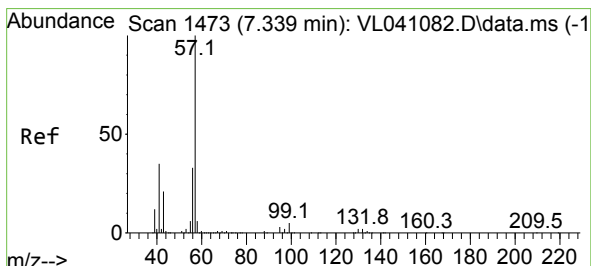
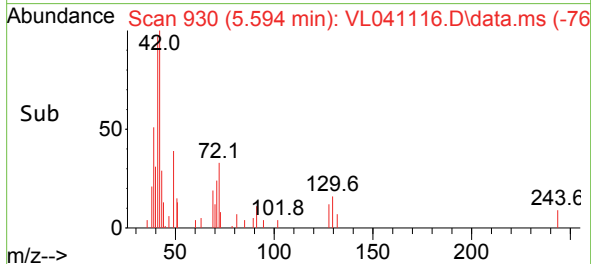
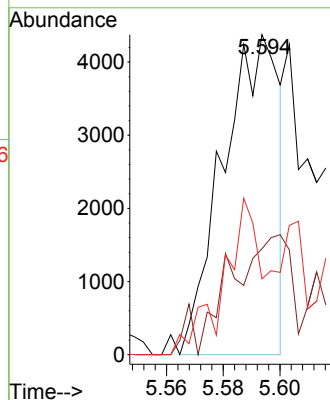
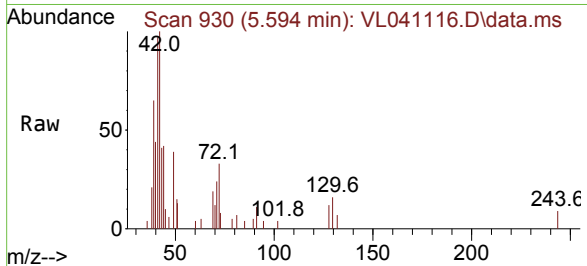




#41
Tetrahydrofuran
Concen: 0.065 ppbv
RT: 5.594 min Scan# 911
Delta R.T. 0.032 min
Lab File: VL041116.D
Acq: 15 Mar 2024 8:37

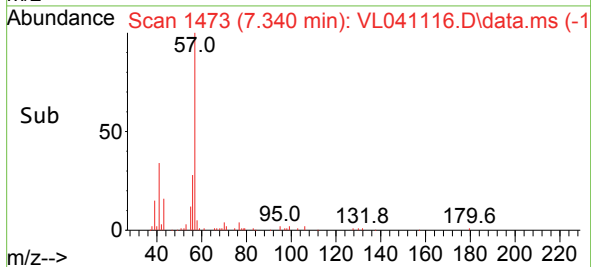
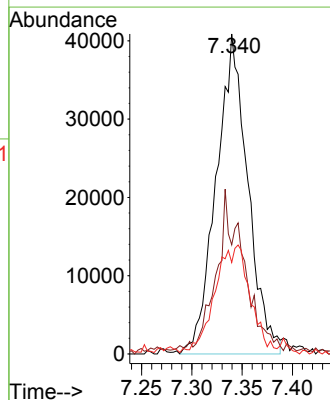
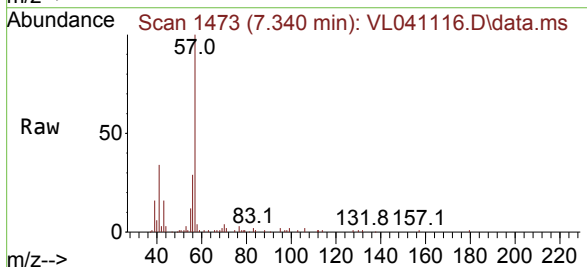
Instrument :
MSVOA_L
ClientSampleId :
SVP-04

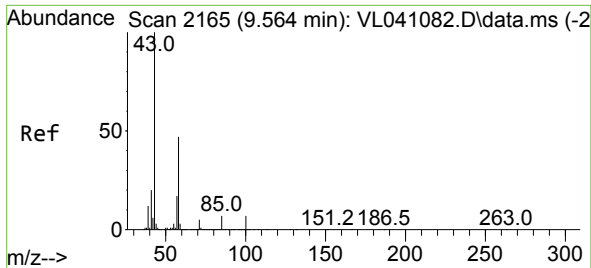
Tgt Ion: 42 Resp: 5991
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 67.0 29.6 44.4#



#44
2,2,4-Trimethylpentane
Concen: 0.231 ppbv
RT: 7.340 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VL041116.D
Acq: 15 Mar 2024 8:37

Tgt Ion: 57 Resp: 89238
Ion Ratio Lower Upper
57 100
41 49.0 28.0 42.0#
56 40.1 25.7 38.5#

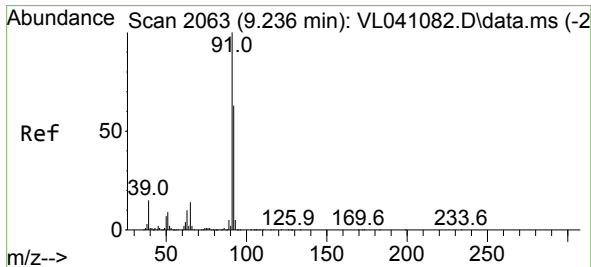
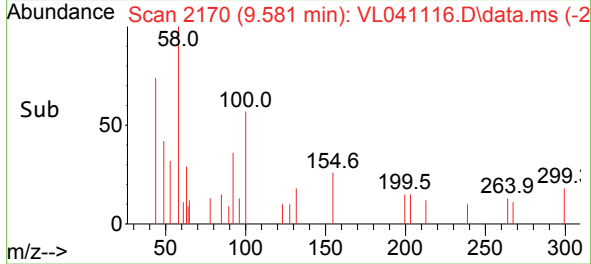
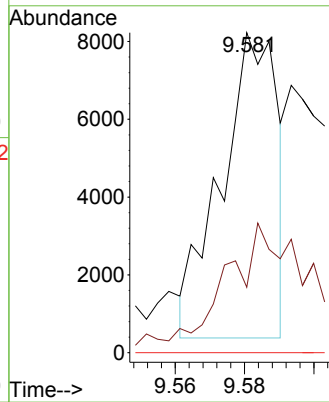
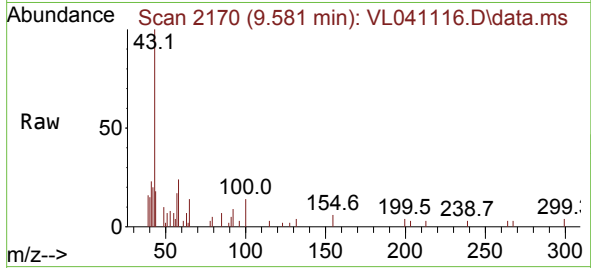




#51
2-Hexanone
Concen: 0.053 ppbv
RT: 9.581 min Scan# 2165
Delta R.T. 0.016 min
Lab File: VL041116.D
Acq: 15 Mar 2024 8:37

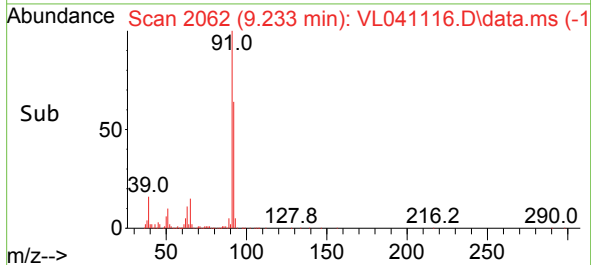
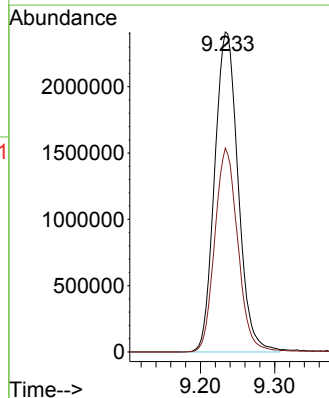
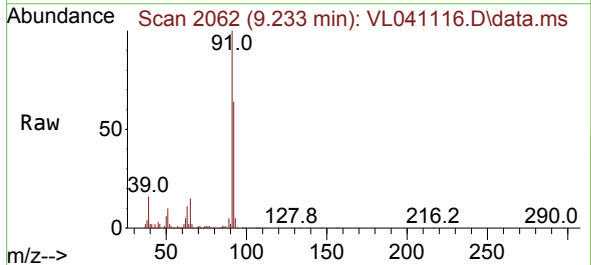
Instrument :
MSVOA_L
ClientSampleId :
SVP-04

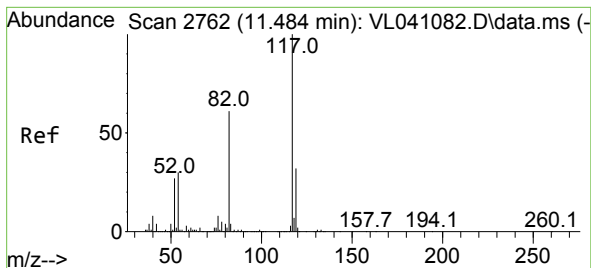
Tgt Ion: 43 Resp: 8822
Ion Ratio Lower Upper
43 100
58 83.6 37.4 56.2#
98 0.6 0.4 0.6#



#53
Toluene
Concen: 21.232 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VL041116.D
Acq: 15 Mar 2024 8:37

Tgt Ion: 91 Resp: 5301287
Ion Ratio Lower Upper
91 100
92 63.1 48.9 73.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

Instrument :

MSVOA_L

ClientSampleId :

SVP-04

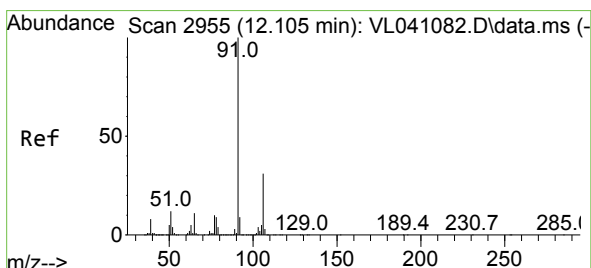
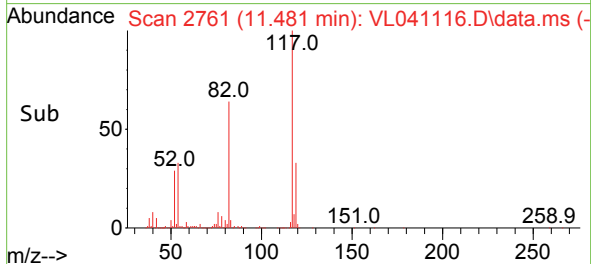
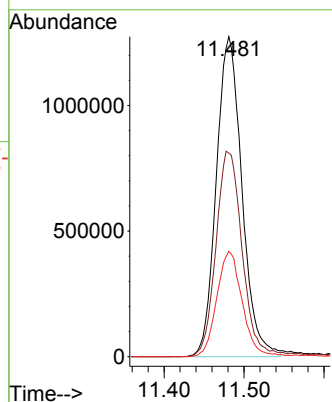
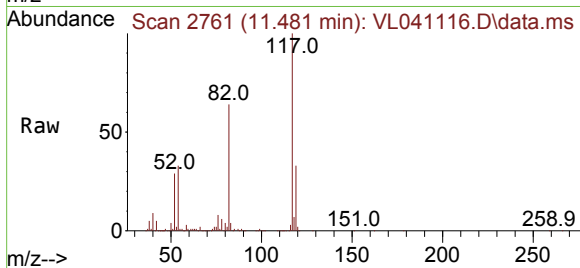
Tgt Ion:117 Resp: 2831900

Ion Ratio Lower Upper

117 100

82 67.2 51.4 77.2

119 33.4 23.7 35.5



#58

Ethyl Benzene

Concen: 0.112 ppbv

RT: 12.105 min Scan# 2955

Delta R.T. 0.000 min

Lab File: VL041116.D

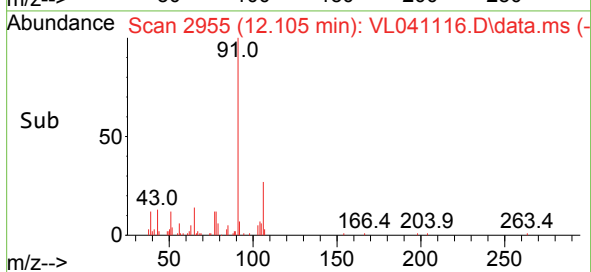
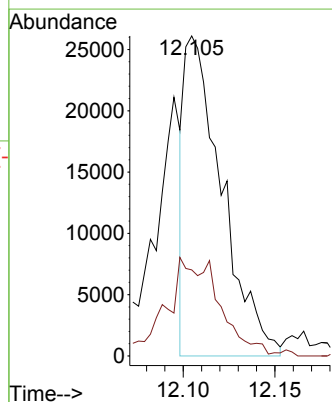
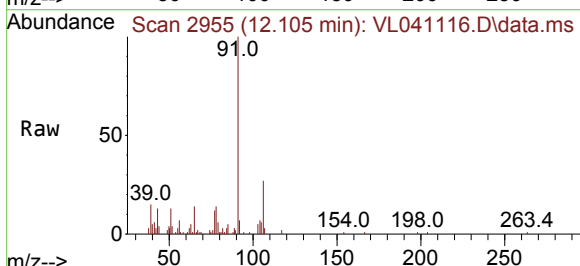
Acq: 15 Mar 2024 8:37

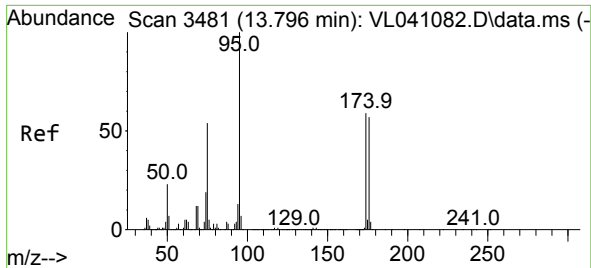
Tgt Ion: 91 Resp: 37152

Ion Ratio Lower Upper

91 100

106 28.5 24.6 36.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.174 ppbv

RT: 13.789 min Scan# 34

Delta R.T. -0.006 min

Lab File: VL041116.D

Acq: 15 Mar 2024 8:37

Instrument :

MSVOA_L

ClientSampleId :

SVP-04

Tgt Ion: 95 Resp: 2252652

Ion Ratio Lower Upper

95 100

174 60.5 47.8 71.8

175 4.5 3.5 5.3

