

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040077.D
 Acq On : 9 Jan 2023 15:56
 Operator : SY/MD
 Sample : 01074-03DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 UR-1DL

Quant Time: Jan 09 21:32:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1111290	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.652	114	3098974	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.471	117	2749757	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2206969	10.507	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.100%

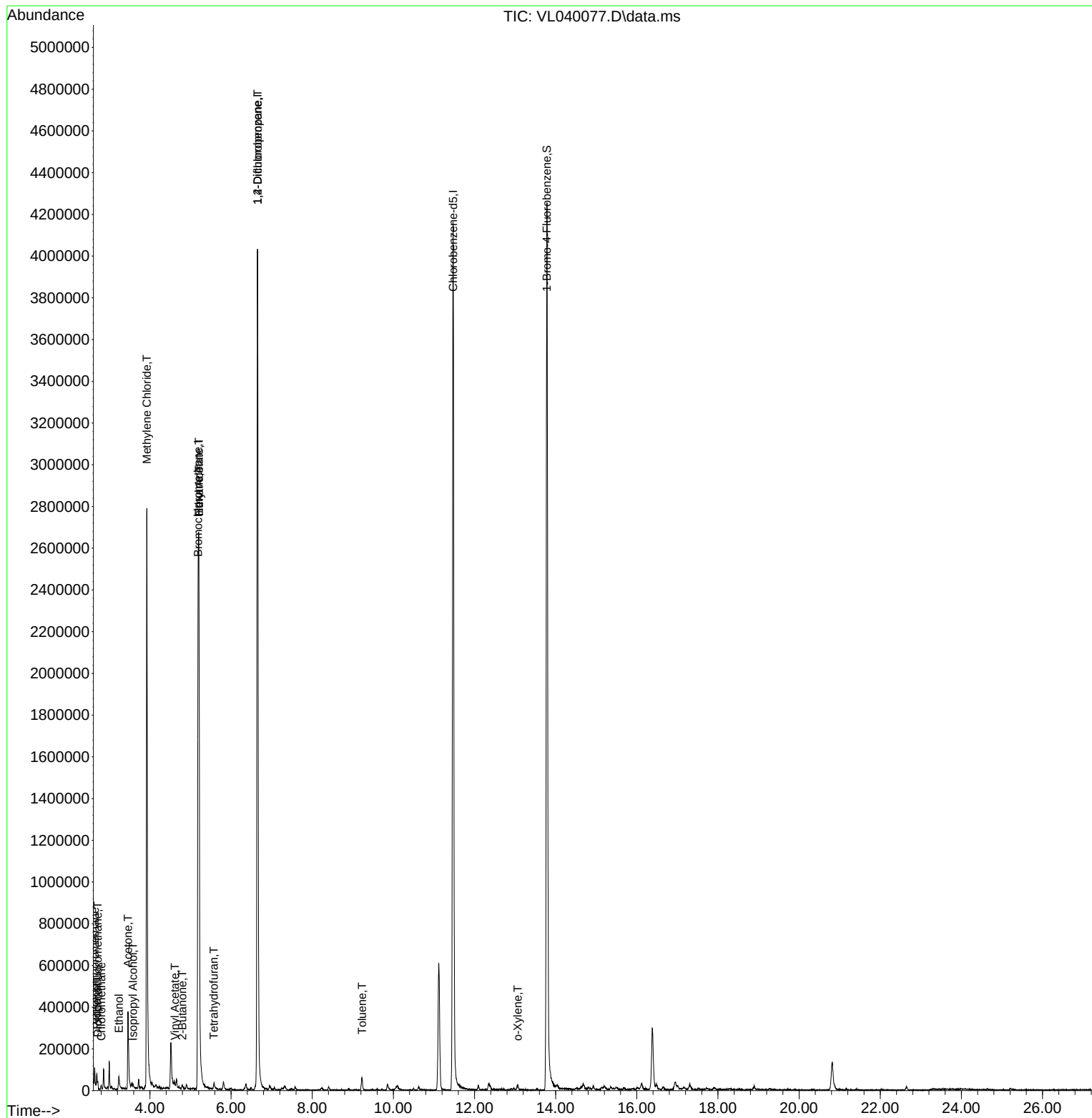
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.713	85	19500	0.094	ppbv	90
3) Chlorodifluoromethane	2.639	51	62369	0.380	ppbv #	66
4) Chloromethane	2.803	50	7128	0.069	ppbv	97
9) Propene	2.690	41	15673	0.225	ppbv #	79
13) Ethanol	3.237	45	65257	9.964	ppbv	87
15) Acetone	3.459	43	375079	2.182	ppbv	94
19) Isopropyl Alcohol	3.584	45	17138	0.202	ppbv #	94
20) Methylene Chloride	3.925	84	994828	13.614	ppbv	98
23) Vinyl Acetate	4.620	43	5061	0.093	ppbv #	80
25) Ethyl Acetate	5.208	43	556424	1.869	ppbv #	76
26) Hexane	5.208	57	823288	6.579	ppbv #	37
34) 2-Butanone	4.796	43	18820	0.112	ppbv #	82
39) 1,2-Dichloropropane	6.652	63	754221	7.270	ppbv #	22
41) Tetrahydrofuran	5.574	42	5196	0.050	ppbv #	1
53) Toluene	9.230	91	18229	0.059	ppbv #	20
60) o-Xylene	13.066	91	12396	0.038	ppbv	80

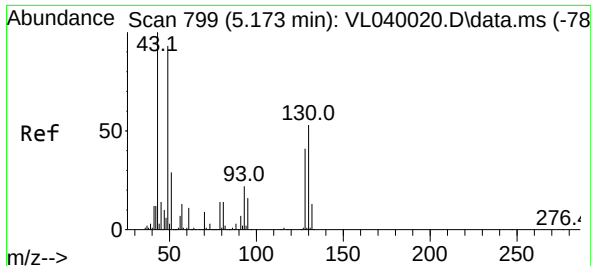
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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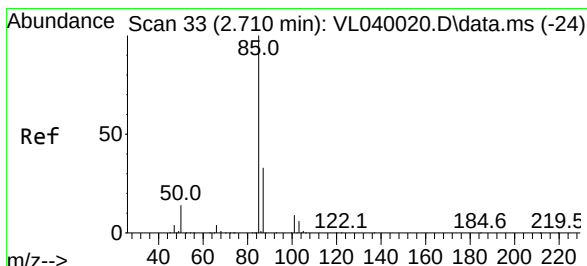
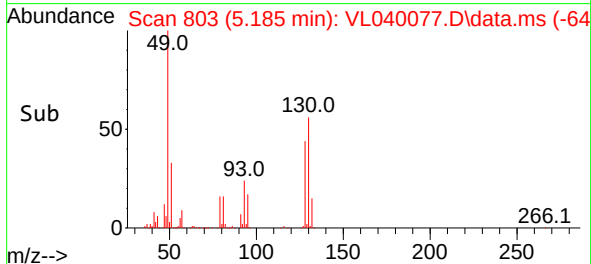
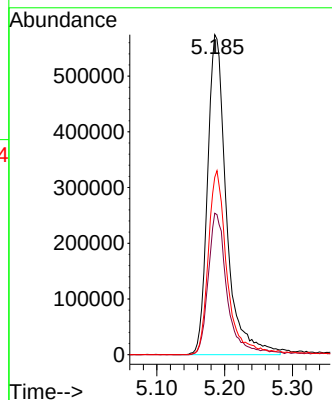
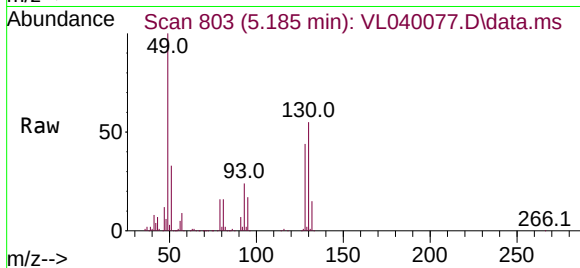




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. 0.012 min
 Lab File: VL040077.D
 Acq: 9 Jan 2023 15:56

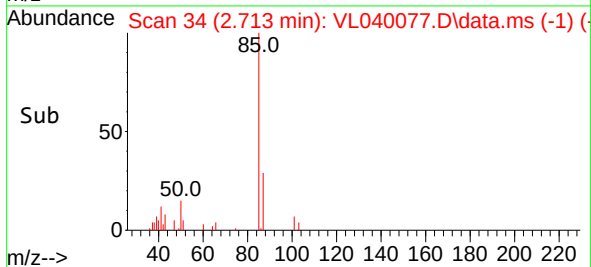
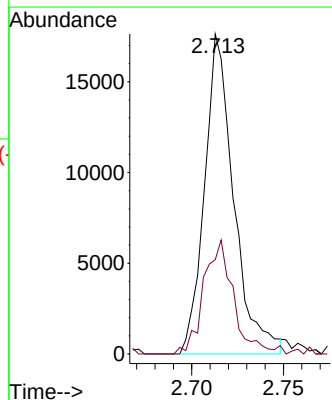
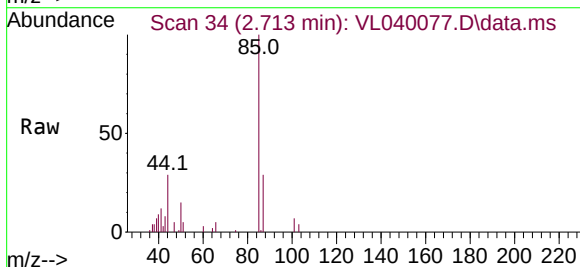
Instrument :
 MSVOA_L
 ClientSampleId :
 UR-1DL

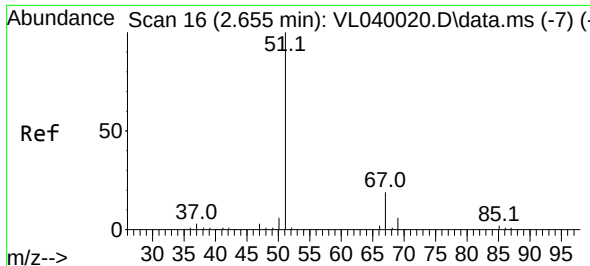
Tgt Ion: 49 Resp: 1111290
 Ion Ratio Lower Upper
 49 100
 128 45.3 22.4 67.3
 130 58.0 28.9 86.8



#2
 Dichlorodifluoromethane
 Concen: 0.094 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL040077.D
 Acq: 9 Jan 2023 15:56

Tgt Ion: 85 Resp: 19500
 Ion Ratio Lower Upper
 85 100
 87 27.4 26.6 40.0

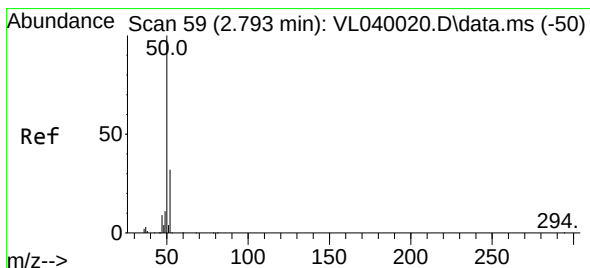
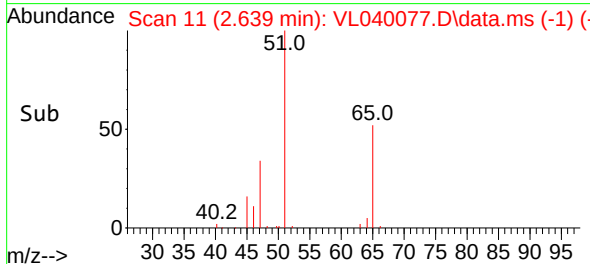
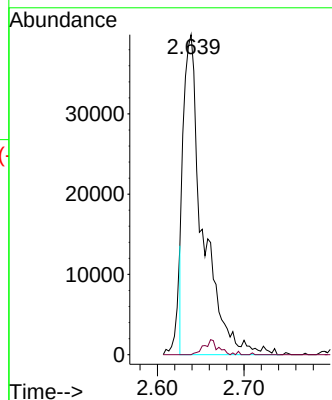
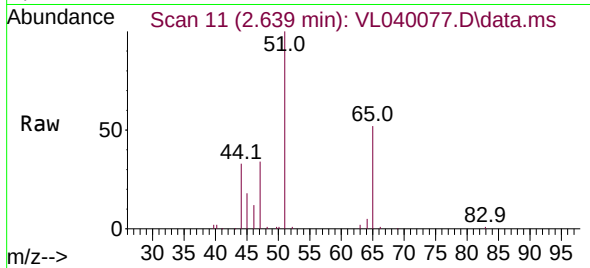




#3
Chlorodifluoromethane
Concen: 0.380 ppbv
RT: 2.639 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

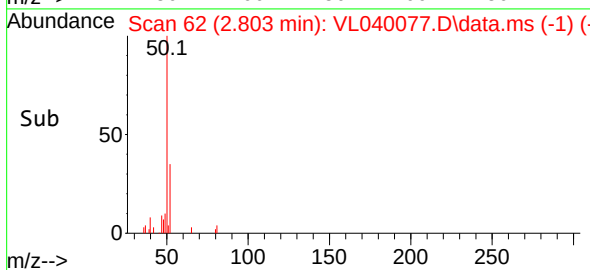
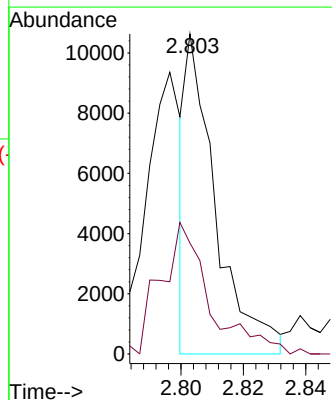
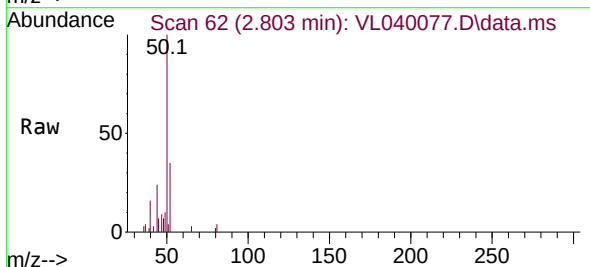
Instrument :
MSVOA_L
ClientSampleId :
UR-1DL

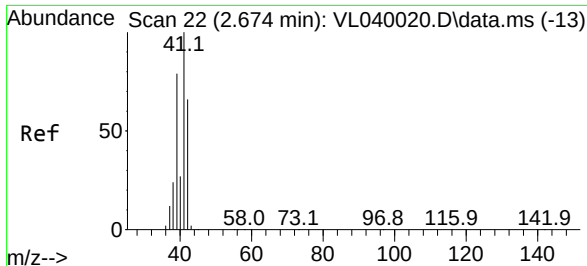
Tgt Ion: 51 Resp: 62369
Ion Ratio Lower Upper
51 100
67 3.6 15.3 22.9#



#4
Chloromethane
Concen: 0.069 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.010 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

Tgt Ion: 50 Resp: 7128
Ion Ratio Lower Upper
50 100
52 33.6 25.5 38.3





#9

Propene

Concen: 0.225 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL040077.D

Acq: 9 Jan 2023 15:56

Instrument :

MSVOA_L

ClientSampleId :

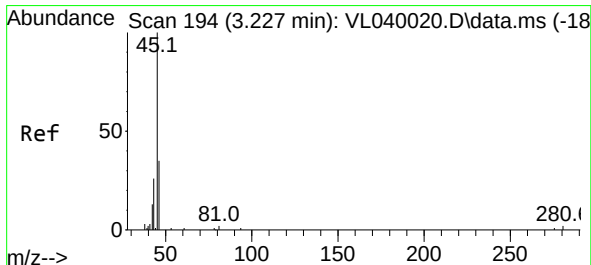
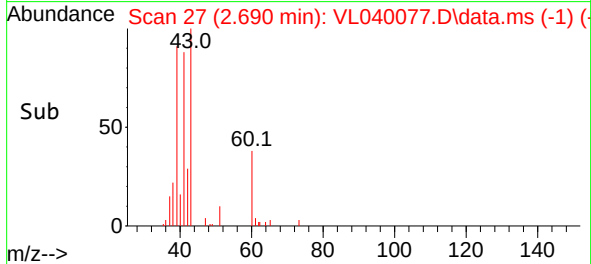
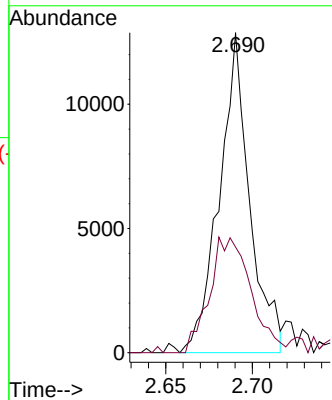
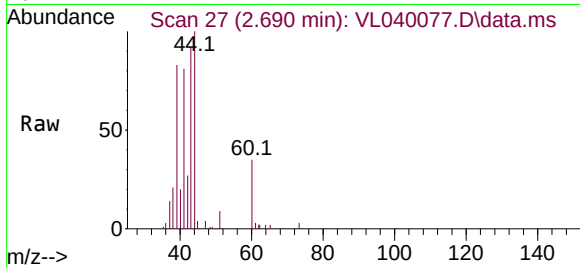
UR-1DL

Tgt Ion: 41 Resp: 15673

Ion Ratio Lower Upper

41 100

42 51.5 54.8 82.2#



#13

Ethanol

Concen: 9.964 ppbv

RT: 3.237 min Scan# 197

Delta R.T. 0.010 min

Lab File: VL040077.D

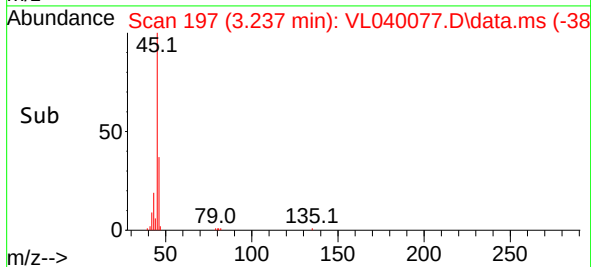
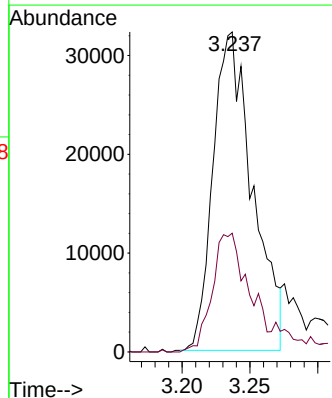
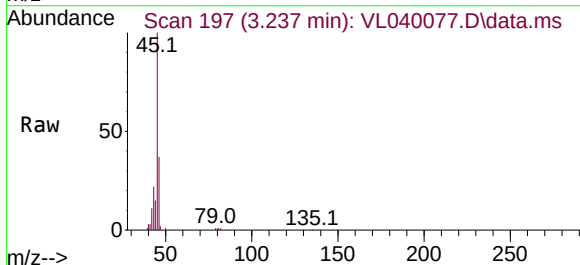
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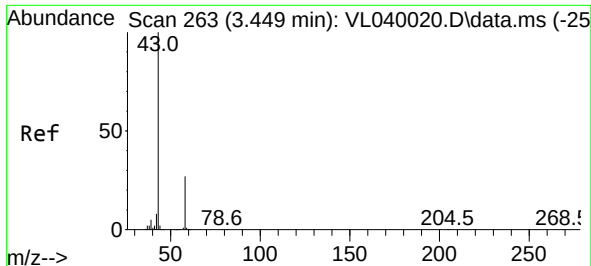
Tgt Ion: 45 Resp: 65257

Ion Ratio Lower Upper

45 100

46 41.7 13.7 54.7

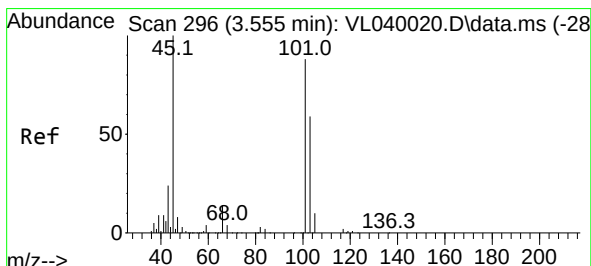
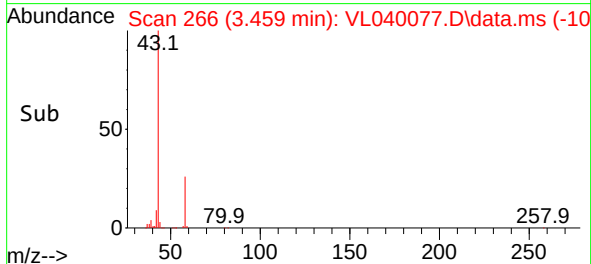
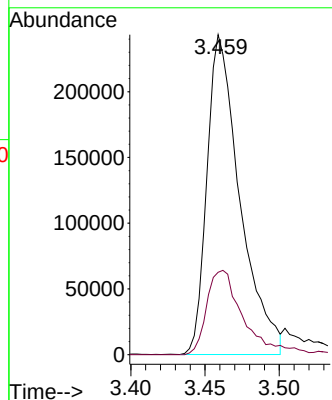
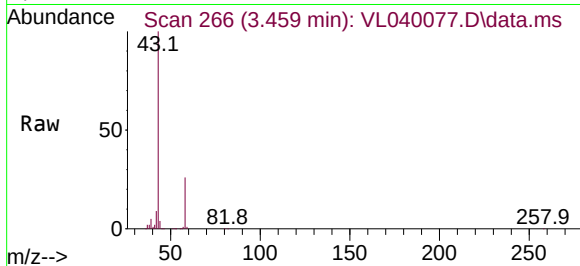




#15
Acetone
Concen: 2.182 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

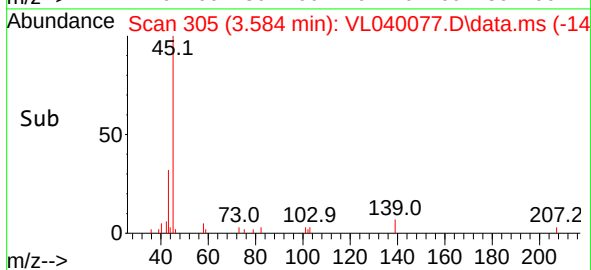
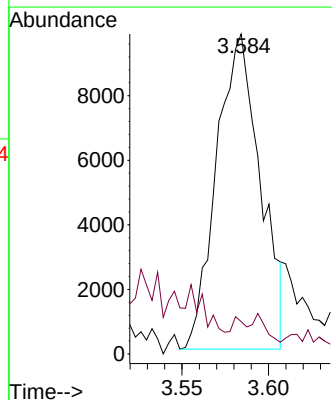
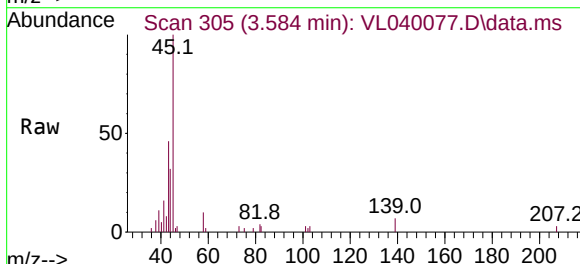
Instrument :
MSVOA_1
ClientSampleId :
UR-1DL

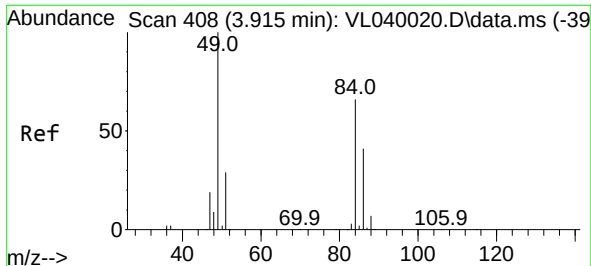
Tgt Ion: 43 Resp: 375079
Ion Ratio Lower Upper
43 100
58 30.6 21.8 32.8



#19
Isopropyl Alcohol
Concen: 0.202 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.029 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

Tgt Ion: 45 Resp: 17138
Ion Ratio Lower Upper
45 100
58 0.0 1.7 2.5#





#20

Methylene Chloride

Concen: 13.614 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.010 min

Lab File: VL040077.D

Acq: 9 Jan 2023 15:56

Instrument :

MSVOA_L

ClientSampleId :

UR-1DL

Tgt Ion: 84 Resp: 994828

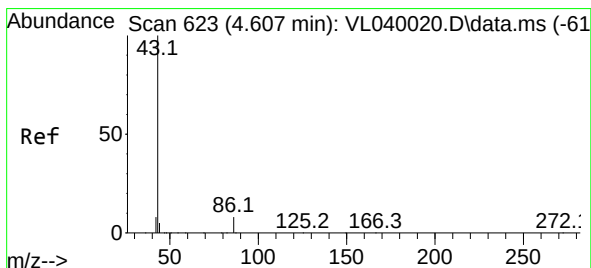
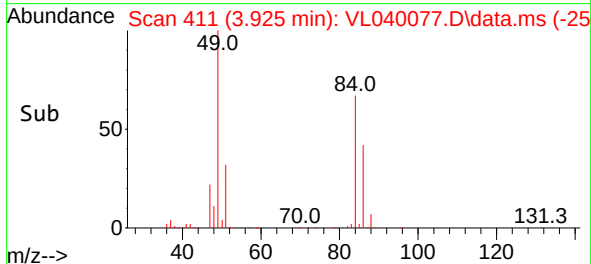
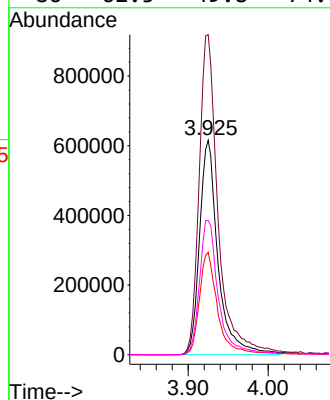
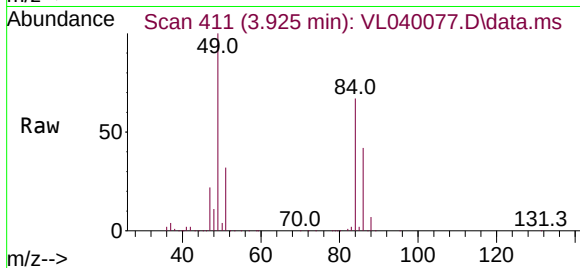
Ion Ratio Lower Upper

84 100

49 149.2 120.5 180.7

51 47.7 35.2 52.8

86 62.5 49.8 74.6



#23

Vinyl Acetate

Concen: 0.093 ppbv

RT: 4.620 min Scan# 627

Delta R.T. 0.013 min

Lab File: VL040077.D

Acq: 9 Jan 2023 15:56

Tgt Ion: 43 Resp: 5061

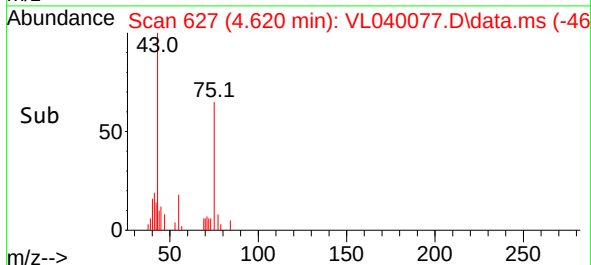
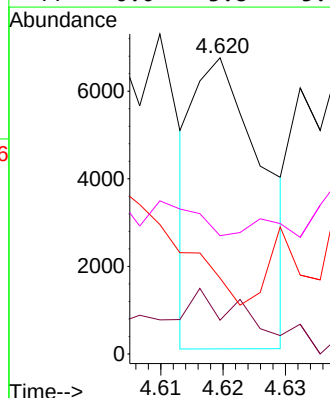
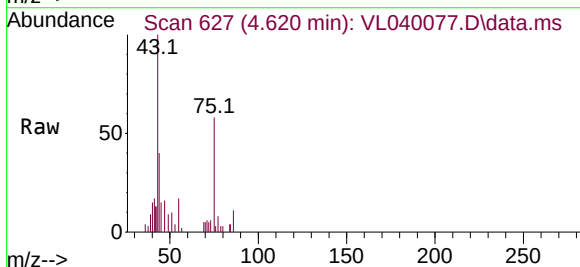
Ion Ratio Lower Upper

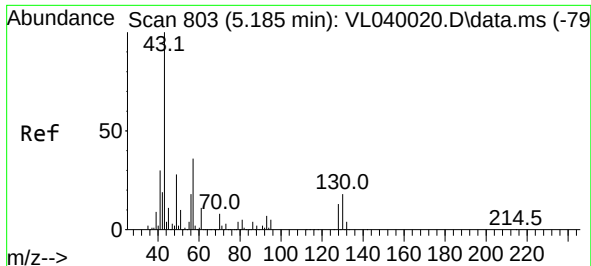
43 100

86 12.7 5.3 7.9#

42 0.0 7.4 11.0#

44 0.0 3.8 5.6#

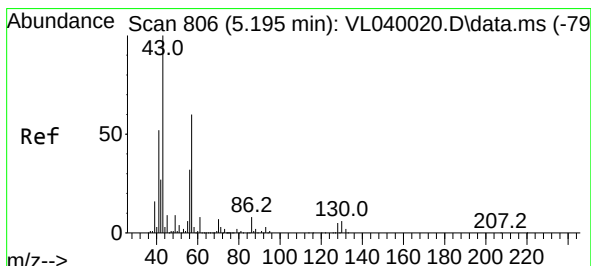
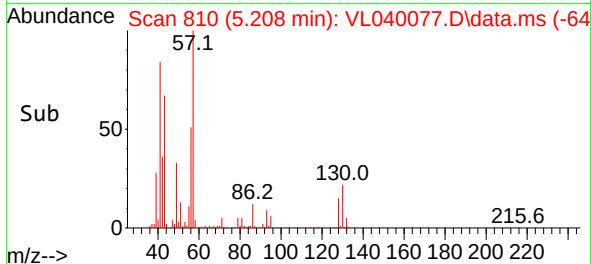
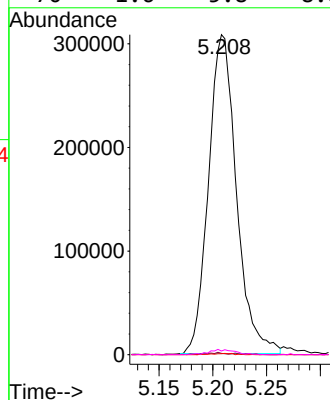
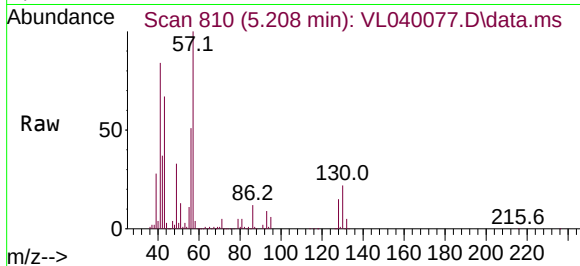




#25
Ethyl Acetate
Concen: 1.869 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.023 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

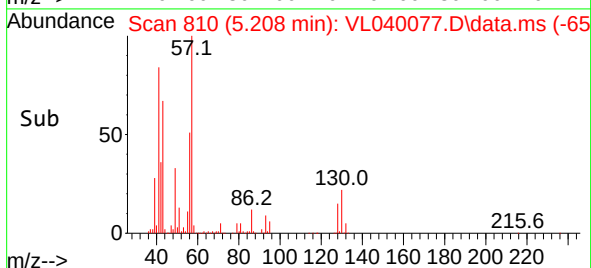
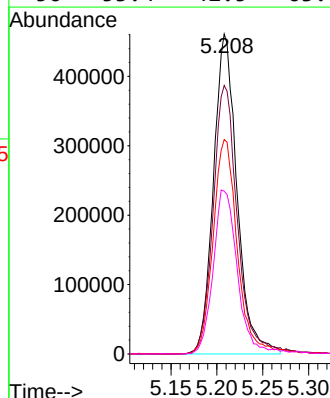
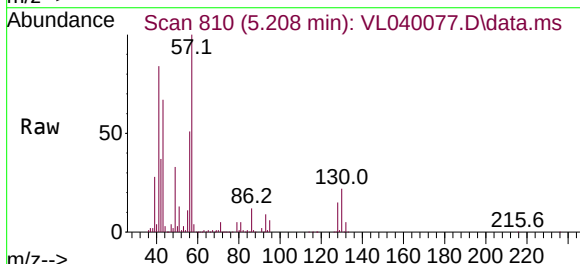
Instrument :
MSVOA_L
ClientSampleId :
UR-1DL

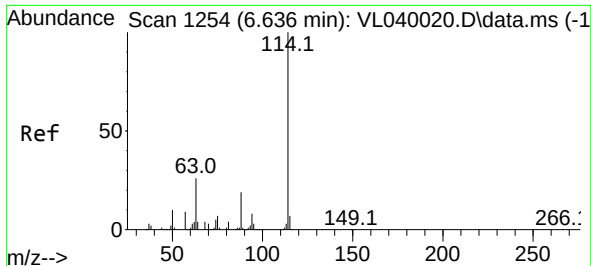
Tgt Ion: 43 Resp: 556424
Ion Ratio Lower Upper
43 100
45 0.7 8.6 12.8#
61 0.3 8.5 12.7#
70 1.6 5.8 8.8#



#26
Hexane
Concen: 6.579 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.013 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

Tgt Ion: 57 Resp: 823288
Ion Ratio Lower Upper
57 100
41 87.4 72.1 108.1
43 70.0 192.1 288.1#
56 53.4 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL040077.D

Acq: 9 Jan 2023 15:56

Instrument :

MSVOA_L

ClientSampleId :

UR-1DL

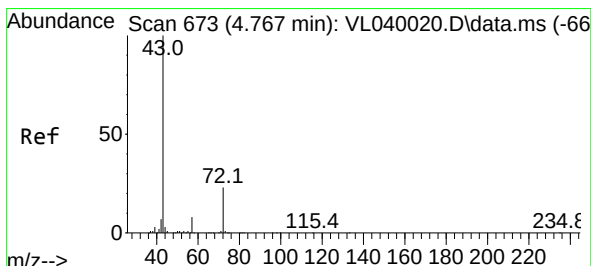
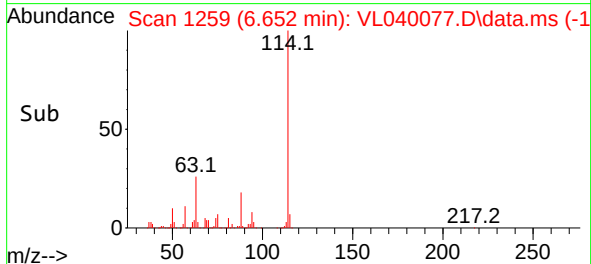
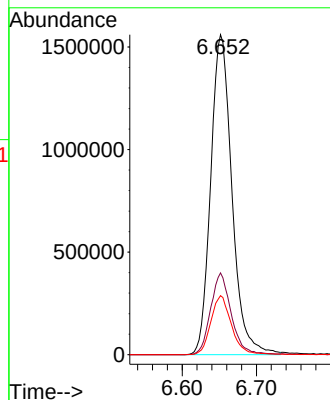
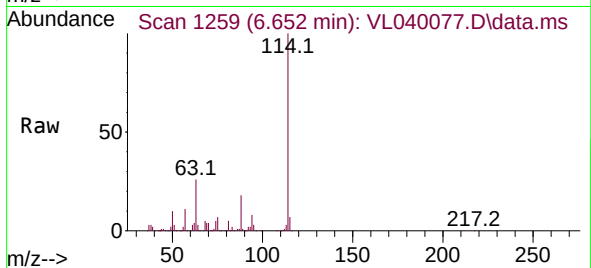
Tgt Ion:114 Resp: 3098974

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.2

88 18.0 14.6 21.8



#34

2-Butanone

Concen: 0.112 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.029 min

Lab File: VL040077.D

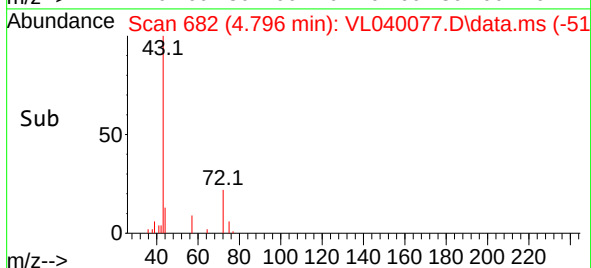
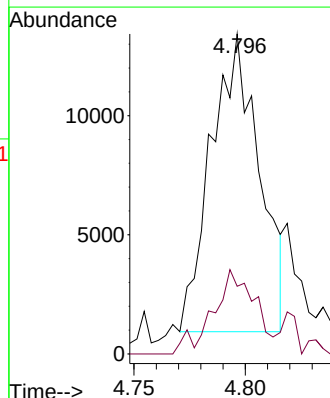
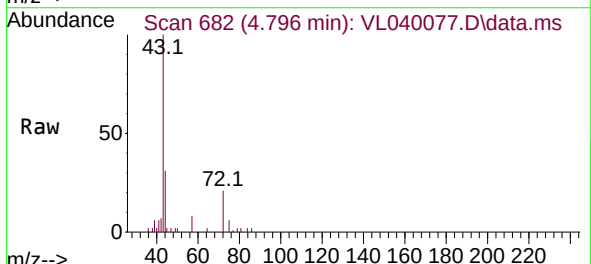
Acq: 9 Jan 2023 15:56

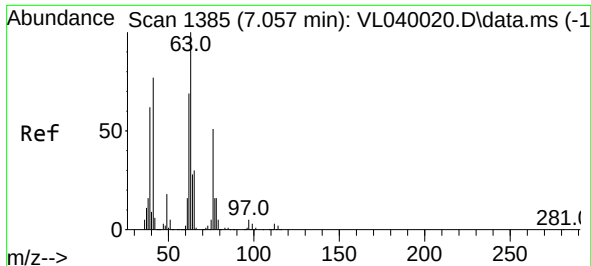
Tgt Ion: 43 Resp: 18820

Ion Ratio Lower Upper

43 100

72 31.3 18.0 27.0#





#39

1,2-Dichloropropane

Concen: 7.270 ppbv

RT: 6.652 min Scan# 1

Delta R.T. -0.405 min

Lab File: VL040077.D

Acq: 9 Jan 2023 15:56

Instrument :

MSVOA_L

ClientSampleId :

UR-1DL

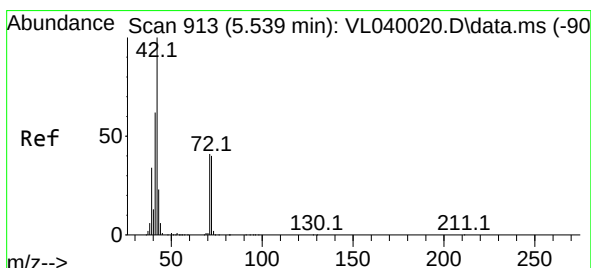
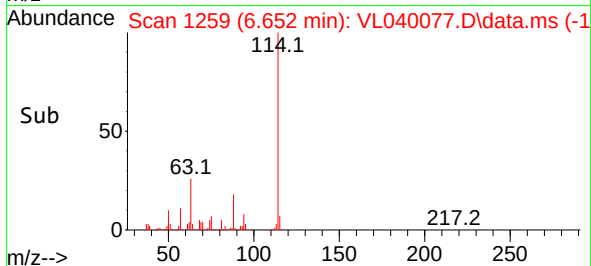
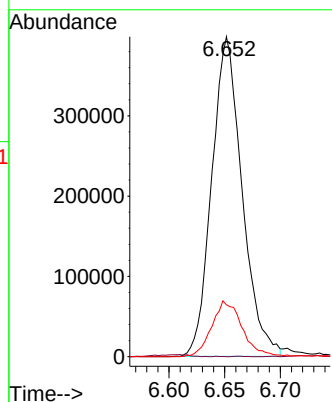
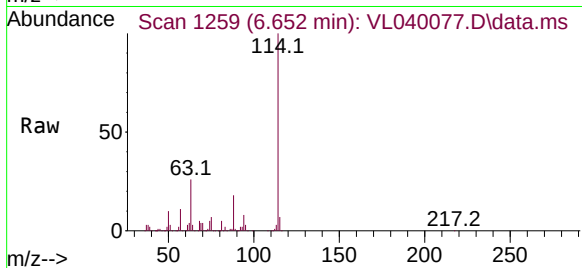
Tgt Ion: 63 Resp: 754221

Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 16.2 55.4 83.2#



#41

Tetrahydrofuran

Concen: 0.050 ppbv

RT: 5.574 min Scan# 924

Delta R.T. 0.035 min

Lab File: VL040077.D

Acq: 9 Jan 2023 15:56

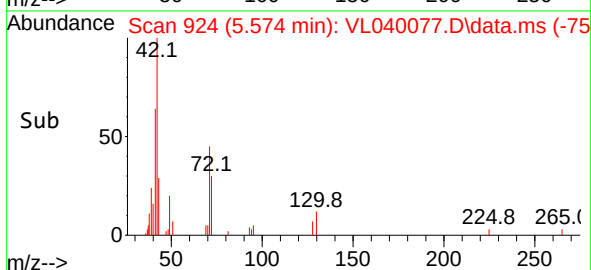
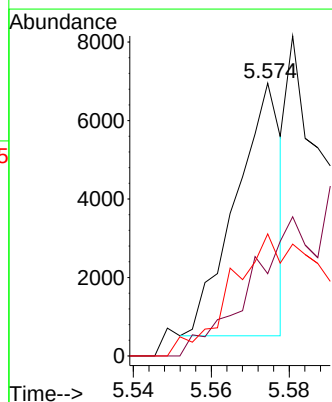
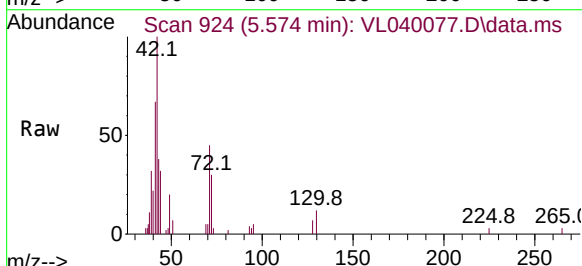
Tgt Ion: 42 Resp: 5196

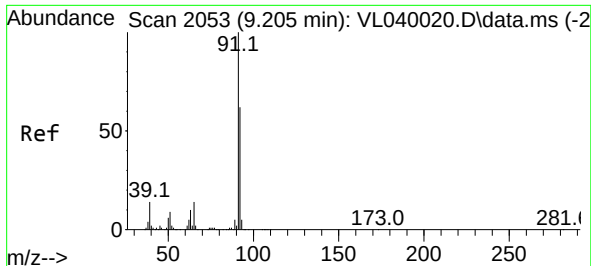
Ion Ratio Lower Upper

42 100

72 137.6 32.9 49.3#

71 128.7 32.2 48.2#

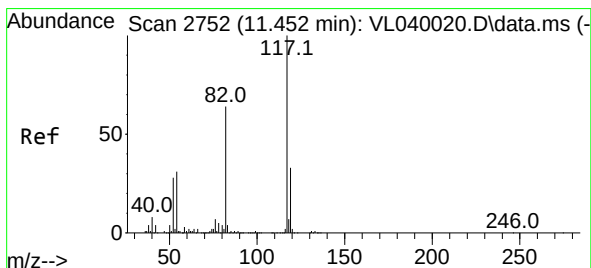
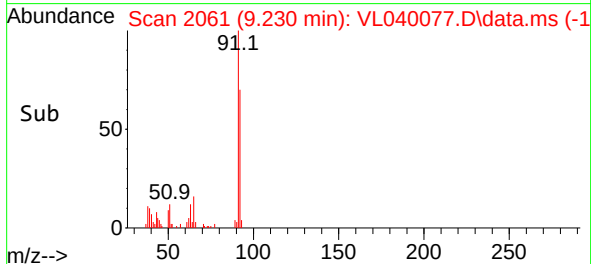
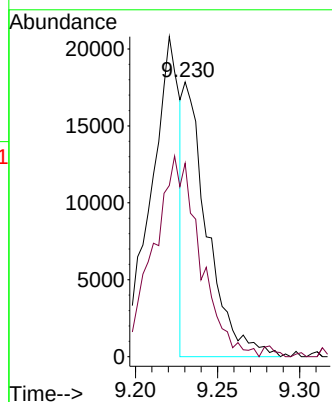
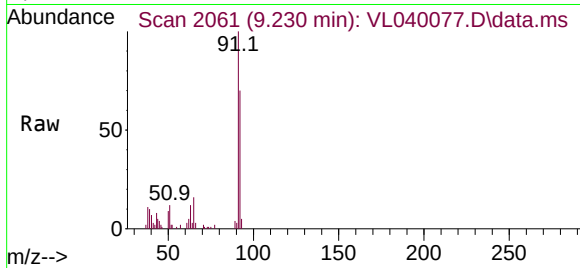




#53
Toluene
Concen: 0.059 ppbv
RT: 9.230 min Scan# 2053
Delta R.T. 0.026 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

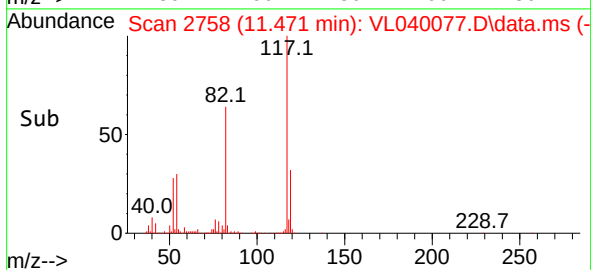
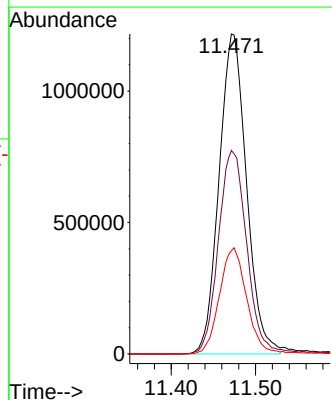
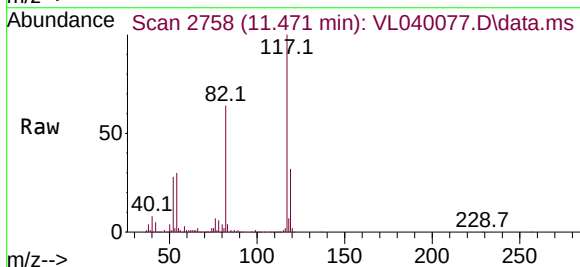
Instrument :
MSVOA_1
ClientSampleId :
UR-1DL

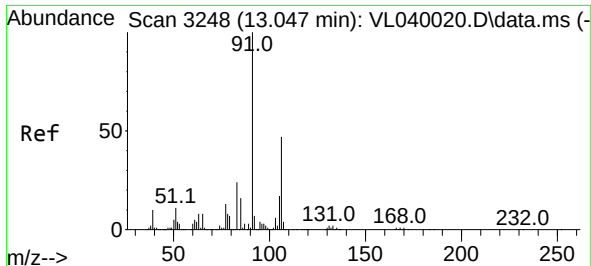
Tgt Ion: 91 Resp: 18229
Ion Ratio Lower Upper
91 100
92 0.0 48.7 73.1#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.019 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

Tgt Ion: 117 Resp: 2749757
Ion Ratio Lower Upper
117 100
82 66.3 51.2 76.8
119 33.4 23.2 34.8

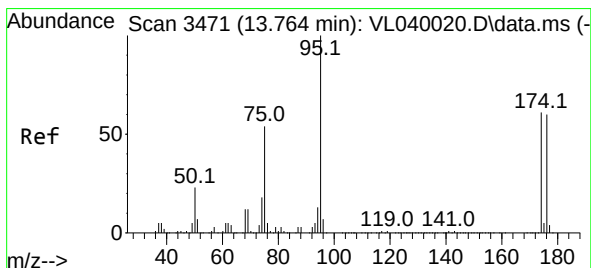
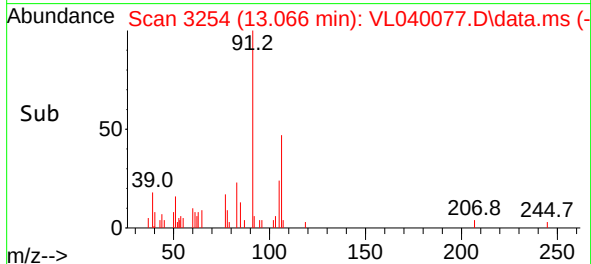
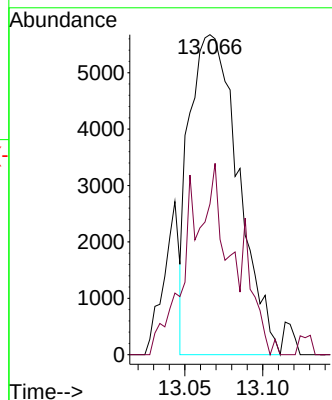
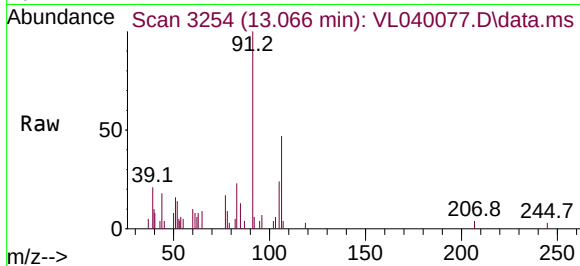




#60
o-Xylene
Concen: 0.038 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

Instrument :
MSVOA_L
ClientSampleId :
UR-1DL

Tgt Ion: 91 Resp: 12396
Ion Ratio Lower Upper
91 100
106 57.5 22.4 67.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.507 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.023 min
Lab File: VL040077.D
Acq: 9 Jan 2023 15:56

Tgt Ion: 95 Resp: 2206969
Ion Ratio Lower Upper
95 100
174 62.1 48.6 73.0
175 4.3 3.4 5.2

