

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040977.D
 Acq On : 15 Jan 2024 19:31
 Operator : SY/MD
 Sample : P1138-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 16 12:44:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 16 03:31:29 2024
 Response via : Initial Calibration

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

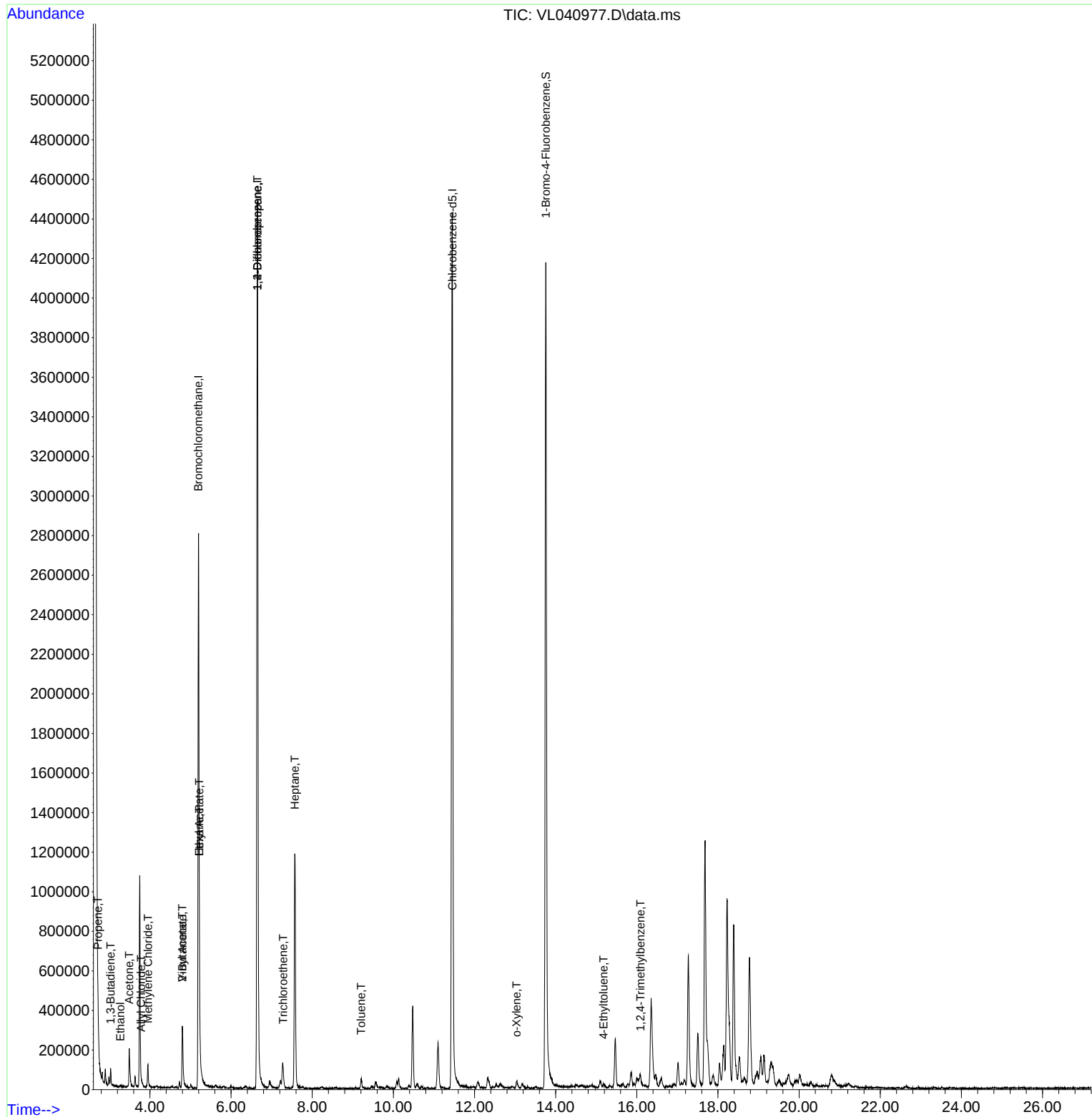
Internal Standards						
1) Bromochloromethane	5.195	49	1319011	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3530751	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	3095505	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2232274	9.790	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
9) Propene	2.719	41	24895	0.380	ppbv	86
10) Heptane	7.571	43	591159	3.631	ppbv	100
13) Ethanol	3.269	45	1833	0.111	ppbv #	37
15) Acetone	3.491	43	186547	1.179	ppbv #	80
16) 1,3-Butadiene	3.031	39	7409	0.109	ppbv #	9
20) Methylene Chloride	3.954	84	36750	0.652	ppbv	81
21) Allyl Chloride	3.784	41	3898	0.042	ppbv #	19
23) Vinyl Acetate	4.800	43	413664	2.370	ppbv #	86
25) Ethyl Acetate	5.218	43	67407	0.246	ppbv #	78
26) Hexane	5.218	57	95246	0.784	ppbv #	41
34) 2-Butanone	4.800	43	413664	2.215	ppbv	99
38) Trichloroethene	7.285	130	17182	0.166	ppbv	90
39) 1,2-Dichloropropane	6.648	63	834562	7.694	ppbv #	23
53) Toluene	9.208	91	27293	0.089	ppbv #	59
60) o-Xylene	13.037	91	12901	0.040	ppbv #	51
72) 4-Ethyltoluene	15.179	105	7969	0.023	ppbv #	72
74) 1,2,4-Trimethylbenzene	16.092	105	19709	0.059	ppbv #	60

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

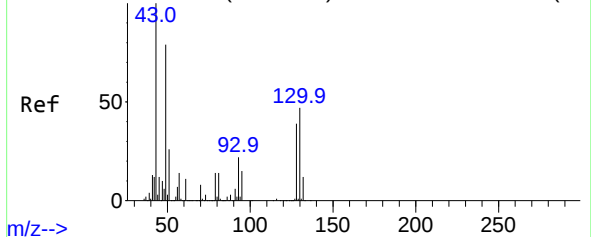
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
Data File : VL040977.D
Acq On : 15 Jan 2024 19:31
Operator : SY/MD
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Quant Time: Jan 16 12:44:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 16 03:31:29 2024
Response via : Initial Calibration

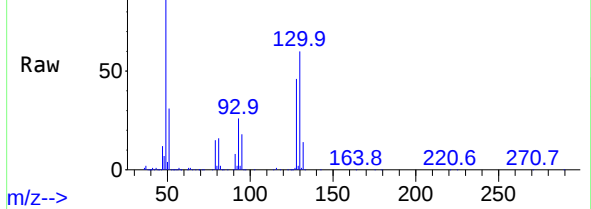


Abundance Scan 800 (5.176 min): VL040914.D\data.ms (-78)



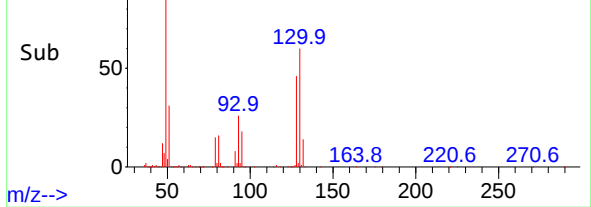
m/z-->

Abundance Scan 806 (5.195 min): VL040977.D\data.ms



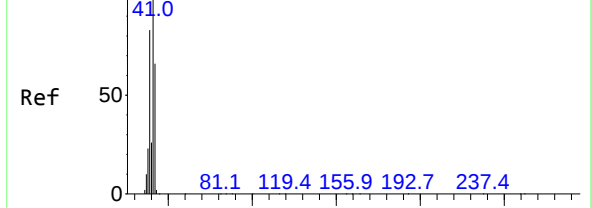
m/z-->

Abundance Scan 806 (5.195 min): VL040977.D\data.ms (-65)



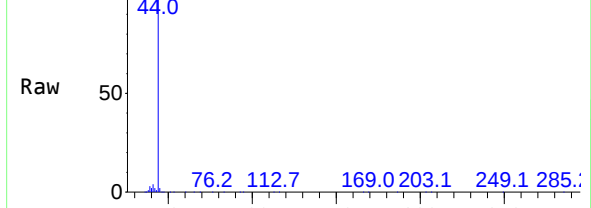
m/z-->

Abundance Scan 27 (2.690 min): VL040914.D\data.ms (-18)



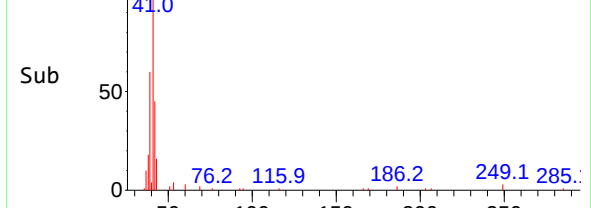
m/z-->

Abundance Scan 36 (2.719 min): VL040977.D\data.ms



m/z-->

Abundance Scan 36 (2.719 min): VL040977.D\data.ms (-1)



m/z-->

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.195 min Scan# 80

Delta R.T. 0.000 min

Lab File: VL040977.D

Acq: 15 Jan 2024 19:31

Tgt Ion: 49 Resp: 1319011

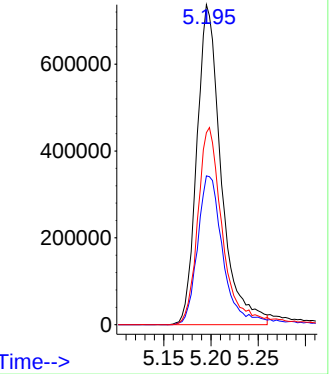
Ion Ratio Lower Upper

49 100

128 50.6 23.8 71.2

130 64.9 30.1 90.5

Abundance



Time-->

#9

Propene

Concen: 0.380 ppbv

RT: 2.719 min Scan# 36

Delta R.T. -0.016 min

Lab File: VL040977.D

Acq: 15 Jan 2024 19:31

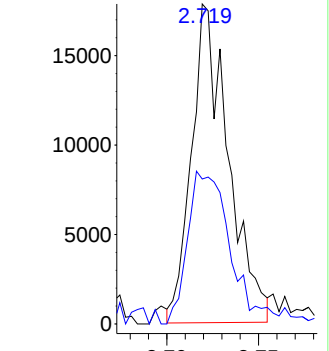
Tgt Ion: 41 Resp: 24895

Ion Ratio Lower Upper

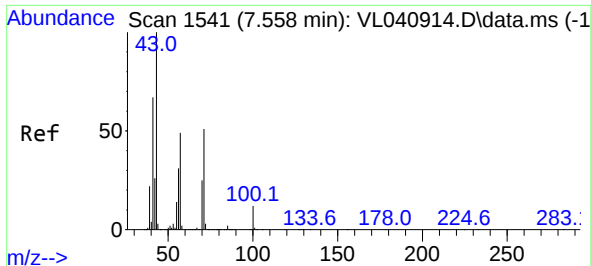
41 100

42 58.4 55.8 83.6

Abundance



Time-->



#10

Heptane

Concen: 3.631 ppbv

RT: 7.571 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040977.D

Acq: 15 Jan 2024 19:31

Instrument :

MSVOA_L

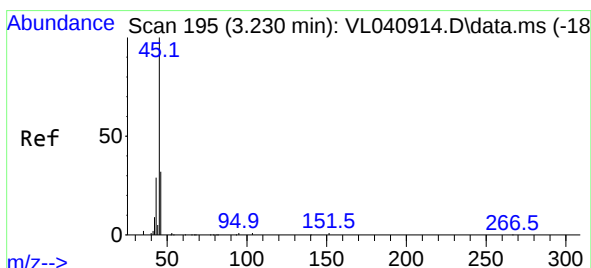
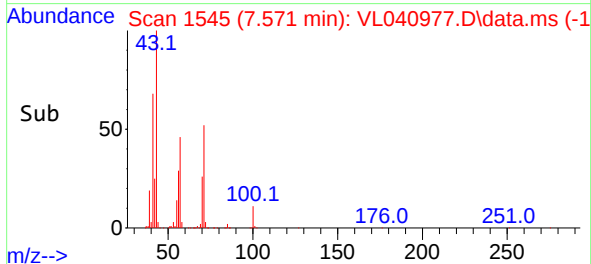
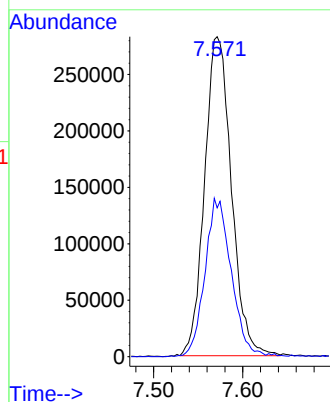
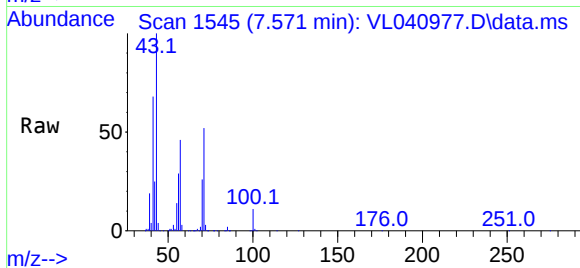
ClientSampleId :

Tgt Ion: 43 Resp: 591159

Ion Ratio Lower Upper

43 100

57 49.3 39.3 58.9



#13

Ethanol

Concen: 0.111 ppbv

RT: 3.269 min Scan# 207

Delta R.T. 0.000 min

Lab File: VL040977.D

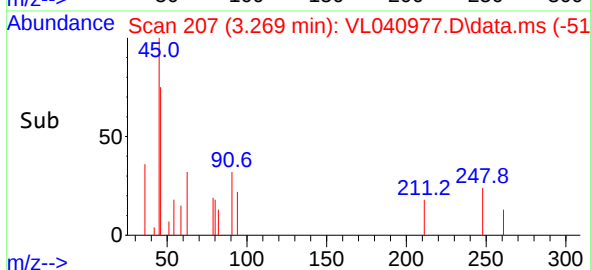
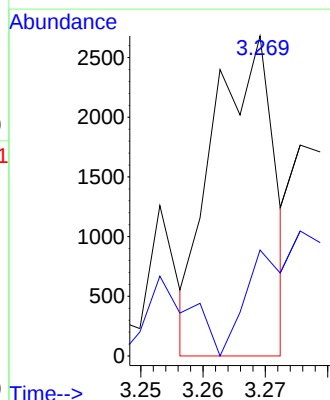
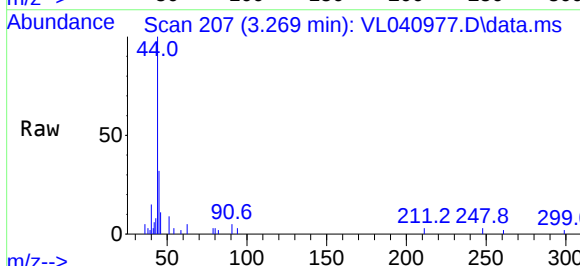
Acq: 15 Jan 2024 19:31

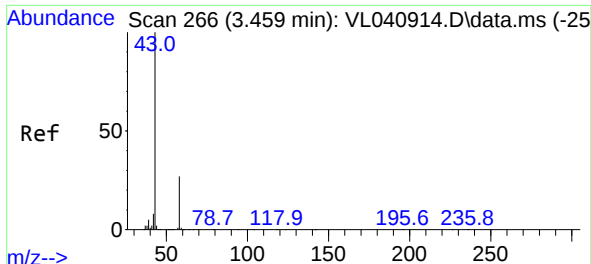
Tgt Ion: 45 Resp: 1833

Ion Ratio Lower Upper

45 100

46 0.0 15.0 60.0#

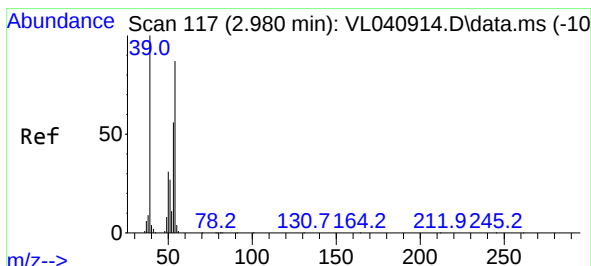
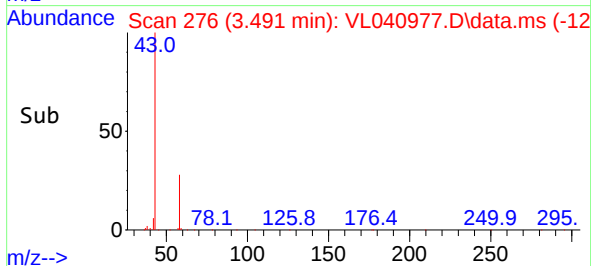
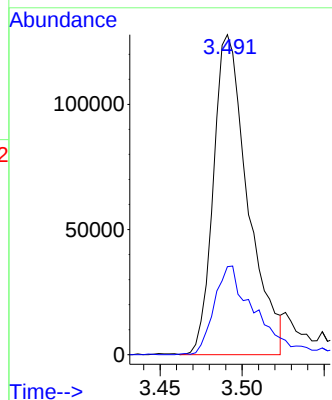
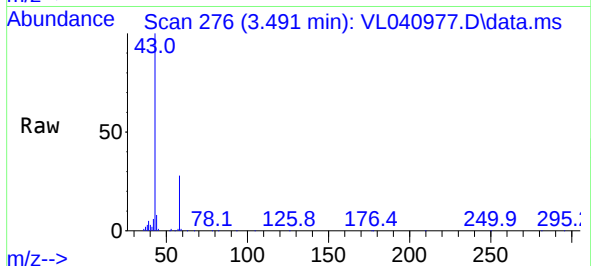




#15
Acetone
Concen: 1.179 ppbv
RT: 3.491 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

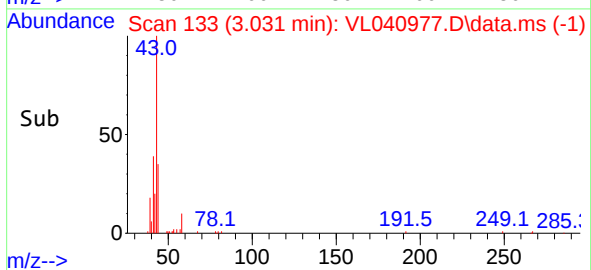
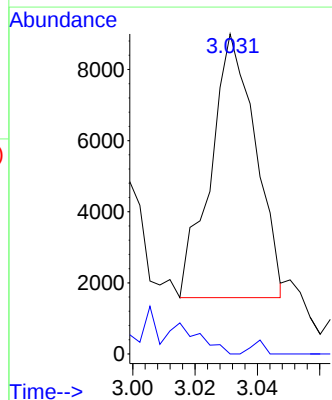
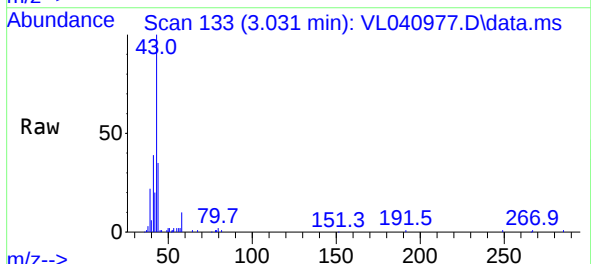
Instrument :
MSVOA_L
ClientSampleId :

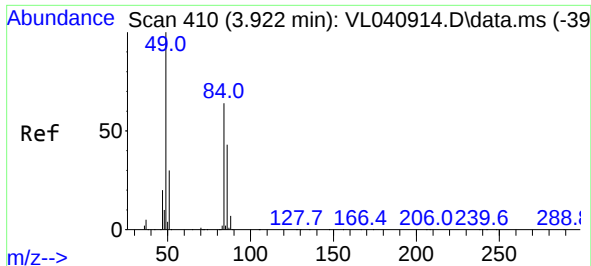
Tgt Ion: 43 Resp: 186547
Ion Ratio Lower Upper
43 100
58 35.8 20.6 30.8#



#16
1,3-Butadiene
Concen: 0.109 ppbv
RT: 3.031 min Scan# 133
Delta R.T. 0.010 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

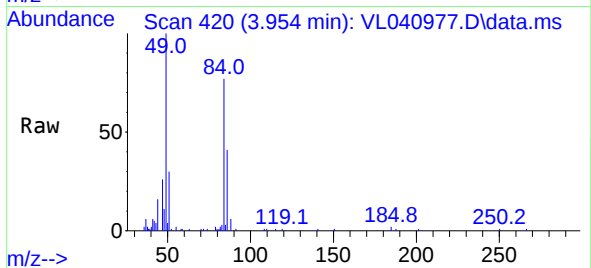
Tgt Ion: 39 Resp: 7409
Ion Ratio Lower Upper
39 100
54 0.0 63.8 95.6#



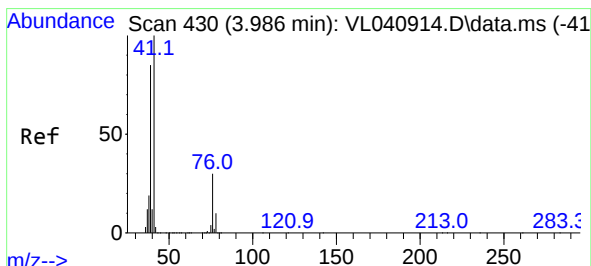
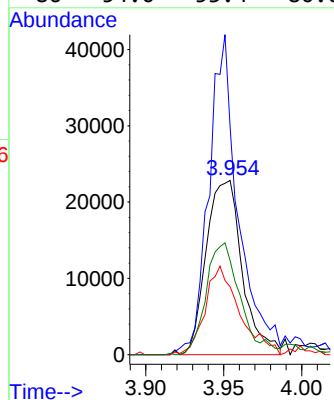
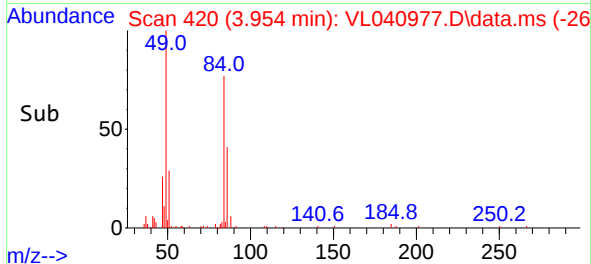


#20
Methylene Chloride
Concen: 0.652 ppbv
RT: 3.954 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

Instrument :
MSVOA_L
ClientSampleId :

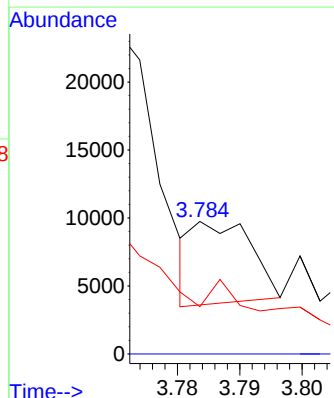
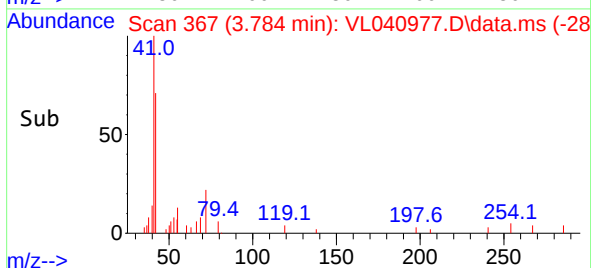
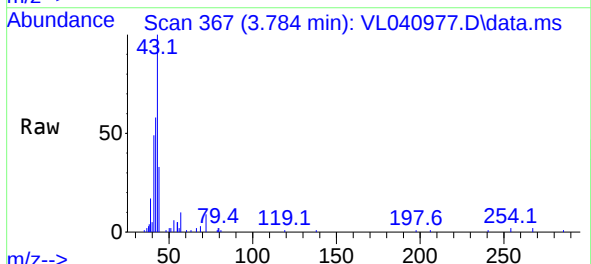


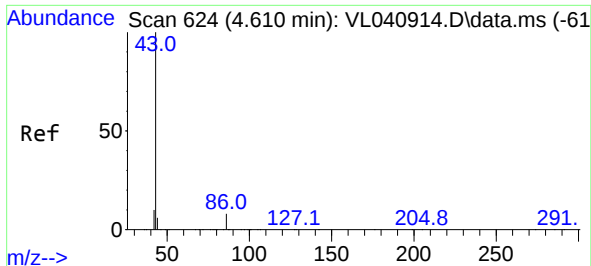
Tgt Ion: 84 Resp: 36750
Ion Ratio Lower Upper
84 100
49 126.9 124.6 187.0
51 39.1 37.2 55.8
86 54.0 53.4 80.0



#21
Allyl Chloride
Concen: 0.042 ppbv
RT: 3.784 min Scan# 367
Delta R.T. -0.231 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

Tgt Ion: 41 Resp: 3898
Ion Ratio Lower Upper
41 100
76 3.4 23.9 35.9#
39 0.0 66.5 99.7#

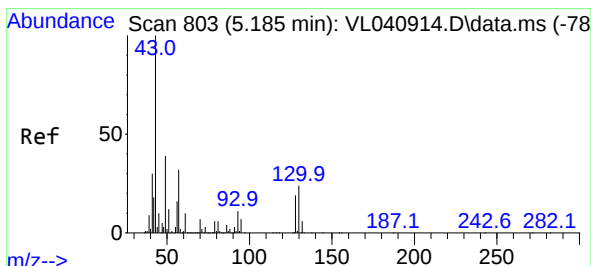
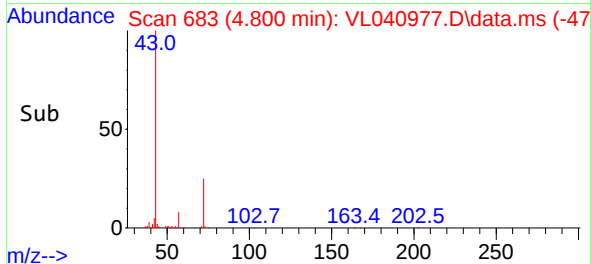
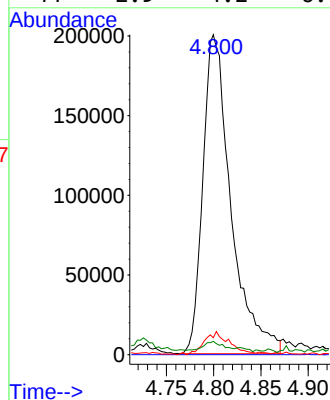
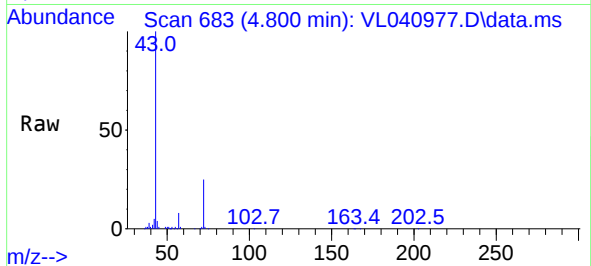




#23
 Vinyl Acetate
 Concen: 2.370 ppbv
 RT: 4.800 min Scan# 61
 Delta R.T. 0.164 min
 Lab File: VL040977.D
 Acq: 15 Jan 2024 19:31

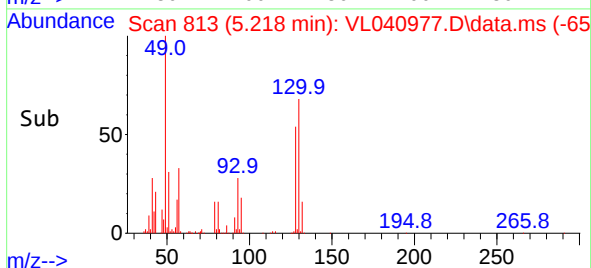
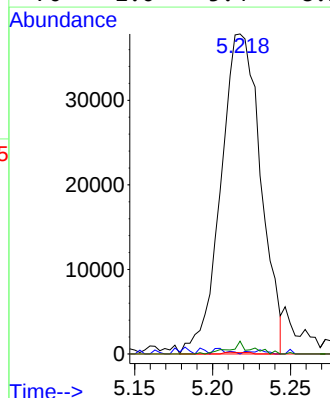
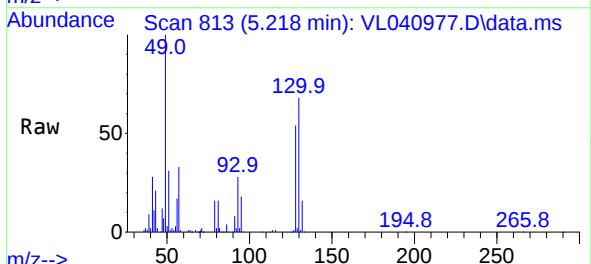
Instrument :
 MSVOA_L
 ClientSampleId :

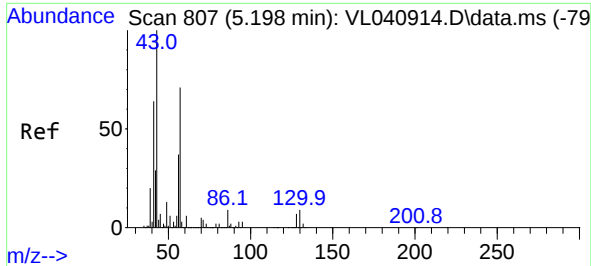
Tgt Ion: 43 Resp: 413664
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.5 8.3#
 42 5.1 8.4 12.6#
 44 2.9 4.2 6.4#



#25
 Ethyl Acetate
 Concen: 0.246 ppbv
 RT: 5.218 min Scan# 813
 Delta R.T. 0.013 min
 Lab File: VL040977.D
 Acq: 15 Jan 2024 19:31

Tgt Ion: 43 Resp: 67407
 Ion Ratio Lower Upper
 43 100
 45 1.1 8.2 12.2#
 61 0.3 7.6 11.4#
 70 2.0 5.4 8.2#





#26

Hexane

Concen: 0.784 ppbv

RT: 5.218 min Scan# 813

Delta R.T. 0.003 min

Lab File: VL040977.D

Acq: 15 Jan 2024 19:31

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 57 Resp: 95246

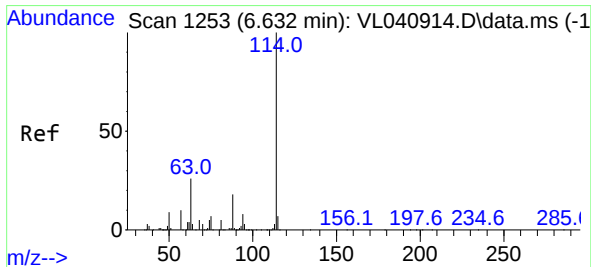
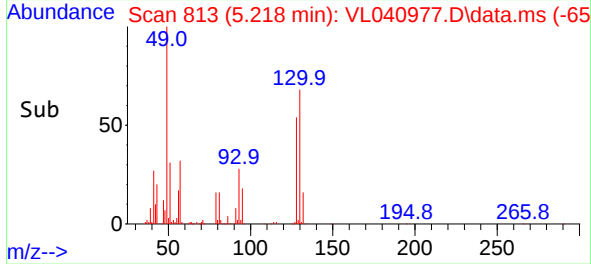
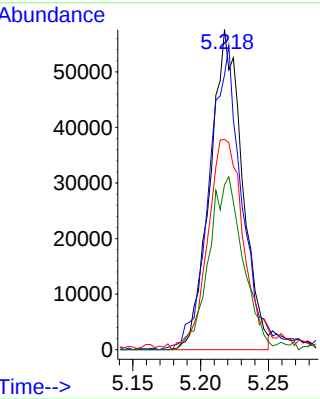
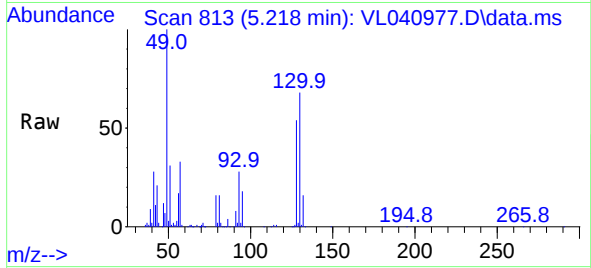
Ion Ratio Lower Upper

57 100

41 101.1 75.2 112.8

43 82.0 188.0 282.0#

56 59.6 42.3 63.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VL040977.D

Acq: 15 Jan 2024 19:31

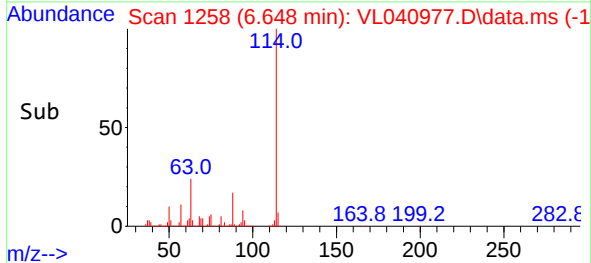
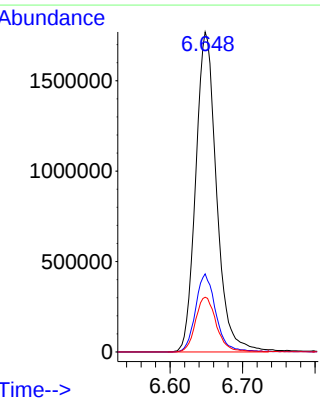
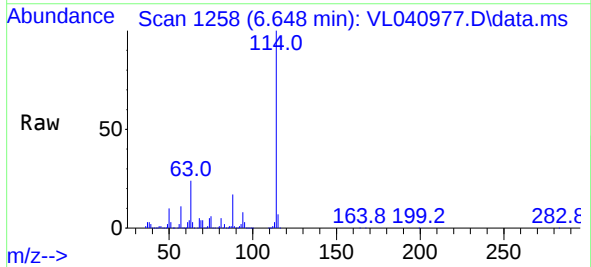
Tgt Ion:114 Resp: 3530751

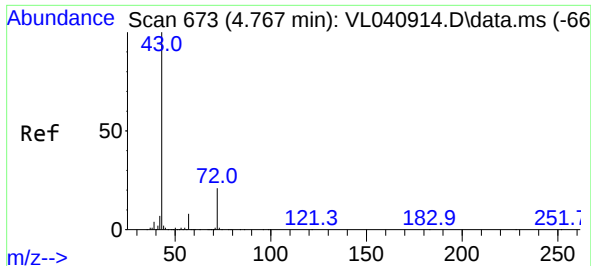
Ion Ratio Lower Upper

114 100

63 24.1 21.0 31.6

88 17.4 14.3 21.5

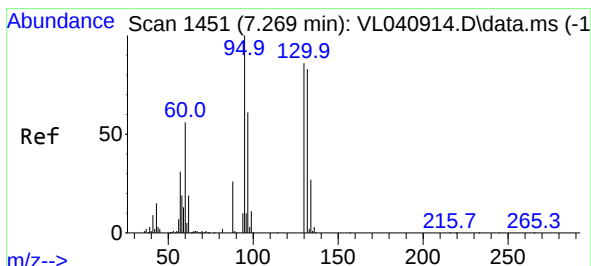
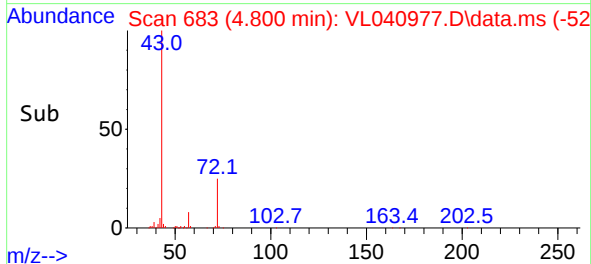
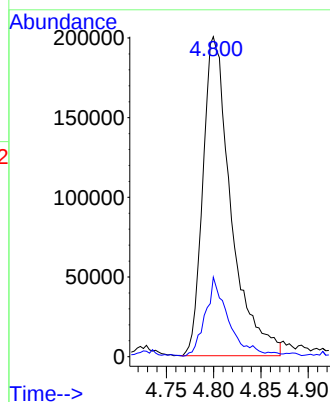
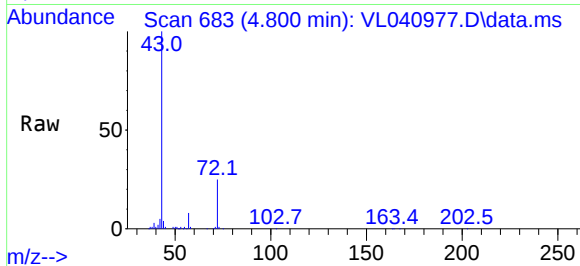




#34
2-Butanone
Concen: 2.215 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

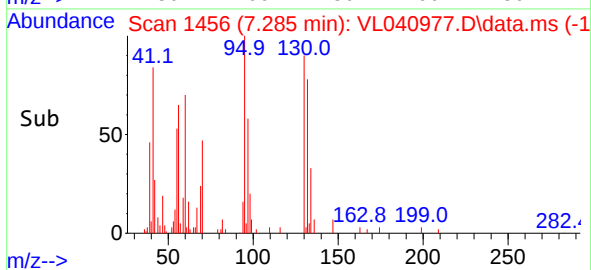
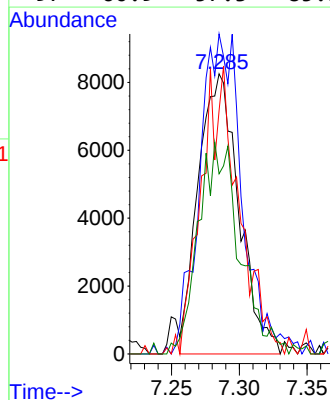
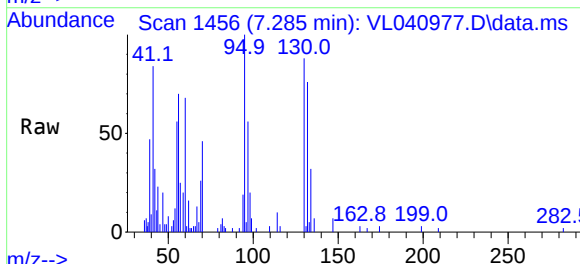
Instrument :
MSVOA_1
ClientSampleId :

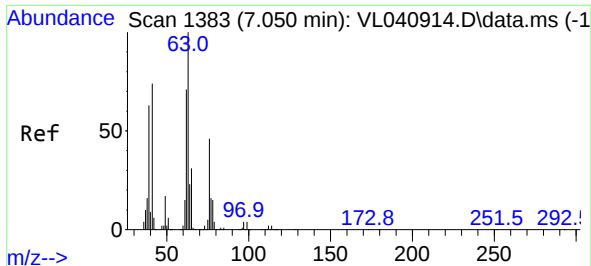
Tgt Ion: 43 Resp: 413664
Ion Ratio Lower Upper
43 100
72 20.9 17.2 25.8



#38
Trichloroethene
Concen: 0.166 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

Tgt Ion:130 Resp: 17182
Ion Ratio Lower Upper
130 100
95 107.1 93.5 140.3
132 86.9 77.4 116.2
97 60.9 57.3 85.9





#39

1,2-Dichloropropane

Concen: 7.694 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL040977.D

Acq: 15 Jan 2024 19:31

Instrument :

MSVOA_L

ClientSampleId :

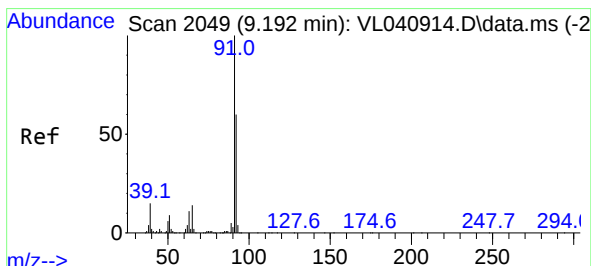
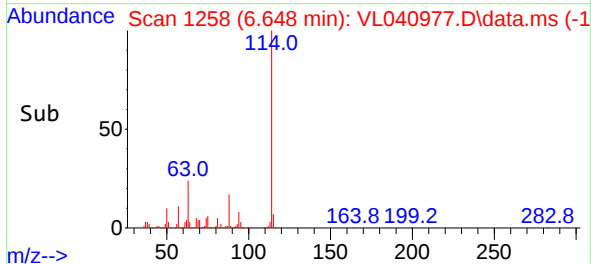
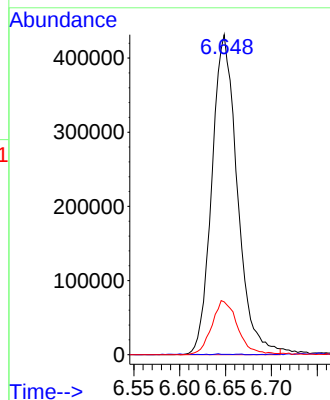
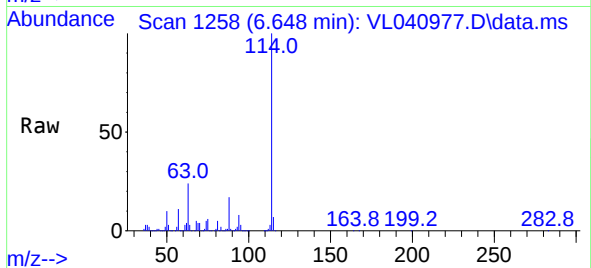
Tgt Ion: 63 Resp: 834562

Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 16.5 56.6 85.0#



#53

Toluene

Concen: 0.089 ppbv

RT: 9.208 min Scan# 2054

Delta R.T. 0.013 min

Lab File: VL040977.D

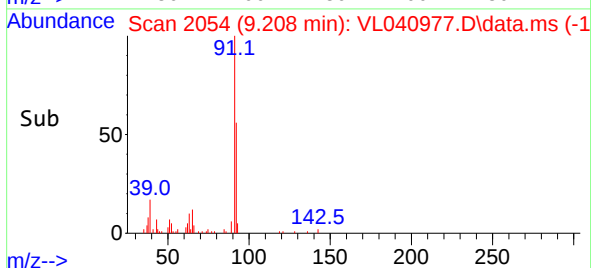
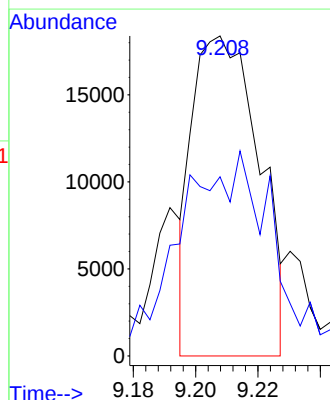
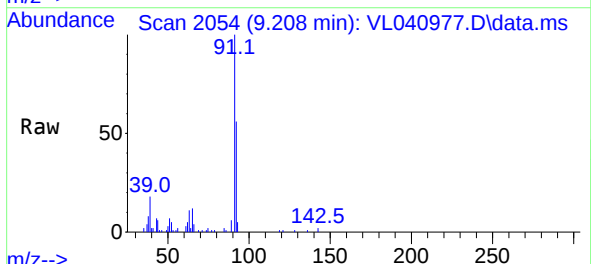
Acq: 15 Jan 2024 19:31

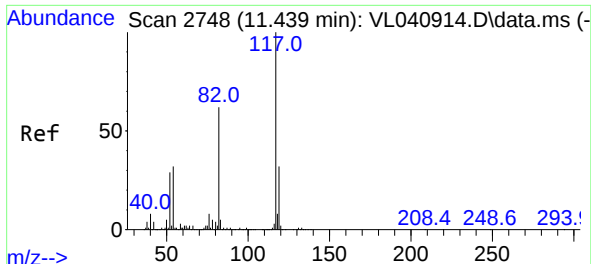
Tgt Ion: 91 Resp: 27293

Ion Ratio Lower Upper

91 100

92 92.9 49.2 73.8#

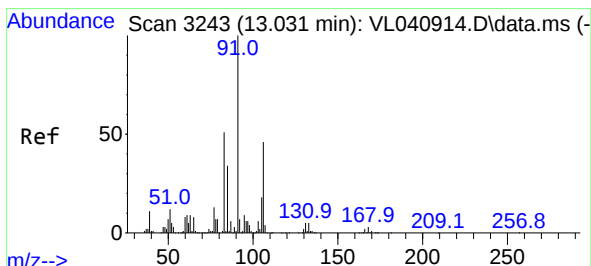
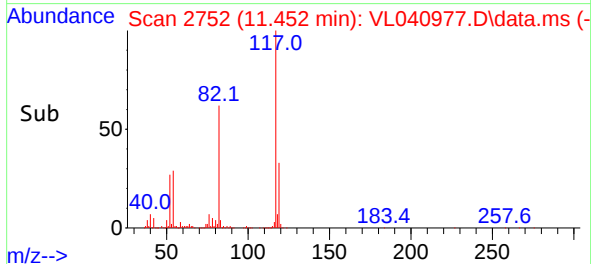
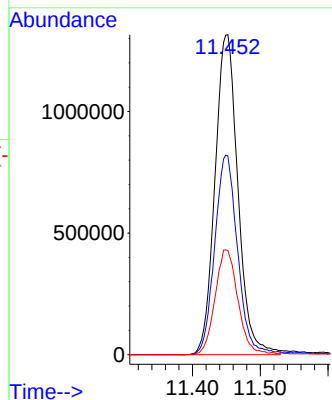
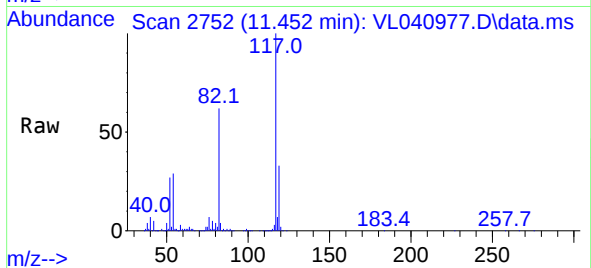




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 211
Delta R.T. 0.016 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

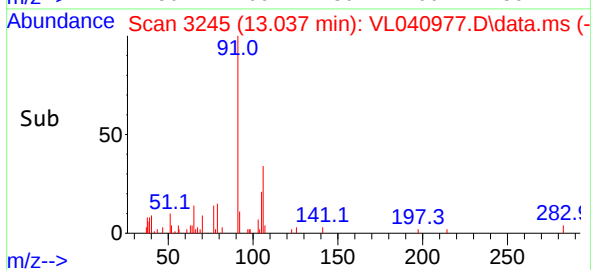
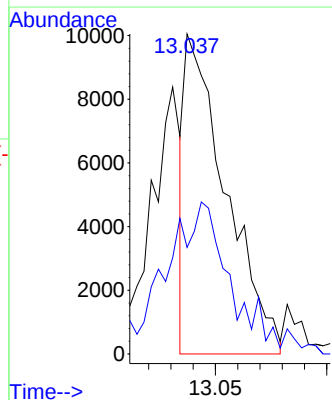
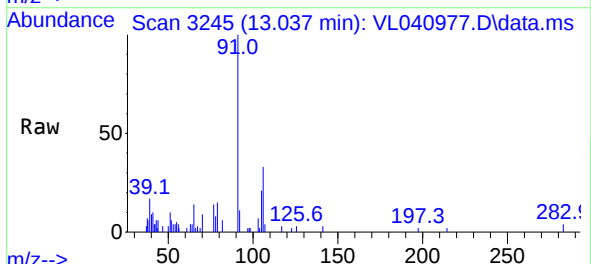
Instrument :
MSVOA_L
ClientSampleId :

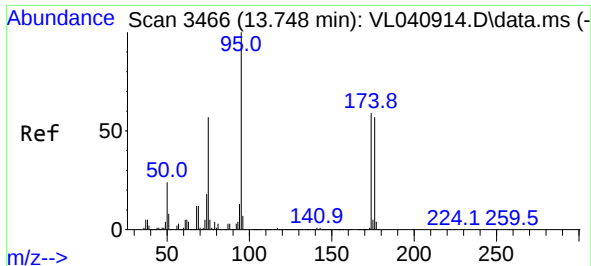
Tgt Ion:117 Resp: 3095505
Ion Ratio Lower Upper
117 100
82 63.5 49.6 74.4
119 33.3 23.4 35.0



#60
o-Xylene
Concen: 0.040 ppbv
RT: 13.037 min Scan# 3245
Delta R.T. 0.013 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

Tgt Ion: 91 Resp: 12901
Ion Ratio Lower Upper
91 100
106 77.2 22.6 67.7#

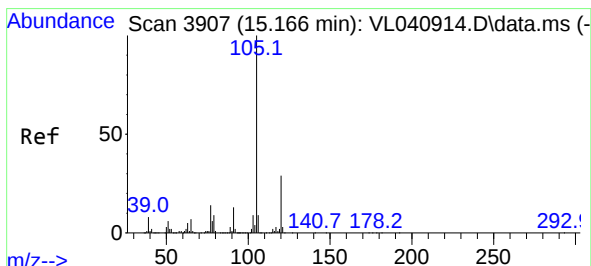
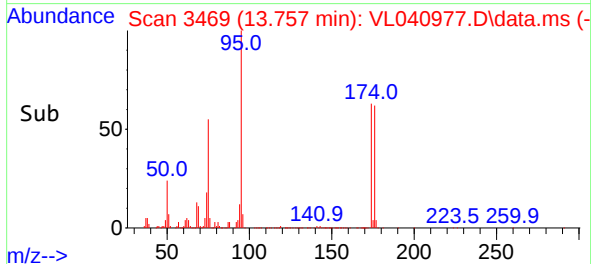
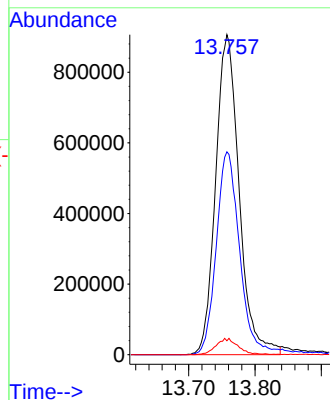
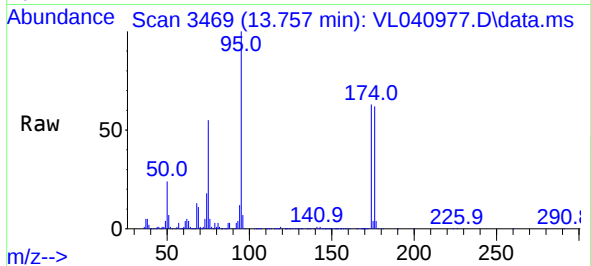




#68
1-Bromo-4-Fluorobenzene
Concen: 9.790 ppbv
RT: 13.757 min Scan# 3466
Delta R.T. 0.019 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

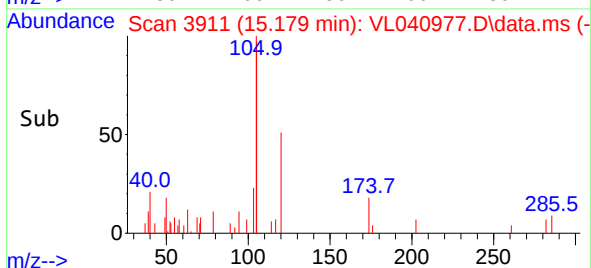
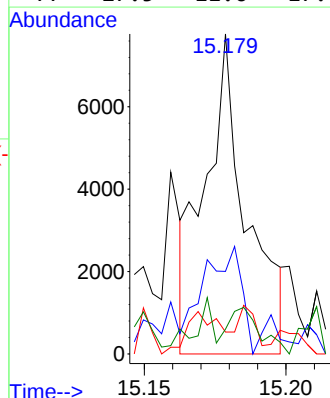
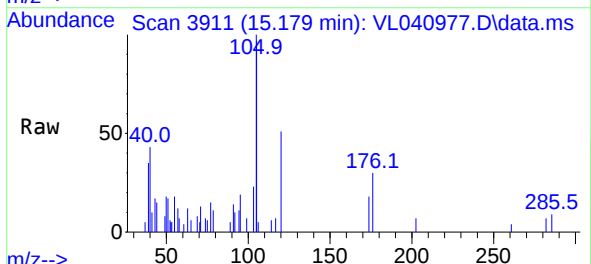
Instrument :
MSVOA_L
ClientSampleId :

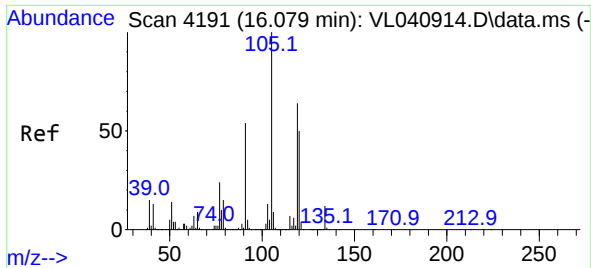
Tgt Ion: 95 Resp: 2232274
Ion Ratio Lower Upper
95 100
174 64.6 48.0 72.0
175 4.9 3.7 5.5



#72
4-Ethyltoluene
Concen: 0.023 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. 0.023 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

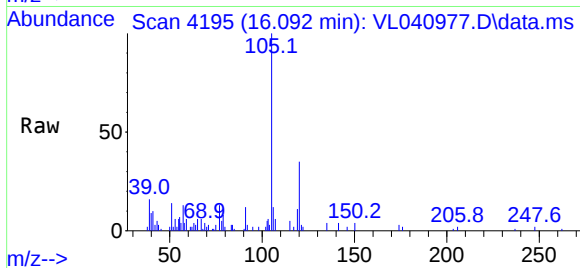
Tgt Ion: 105 Resp: 7969
Ion Ratio Lower Upper
105 100
120 45.9 23.8 35.8#
91 21.7 10.9 16.3#
77 27.5 11.6 17.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.059 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. 0.019 min
Lab File: VL040977.D
Acq: 15 Jan 2024 19:31

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:	105	Resp:	19709
Ion	Ratio	Lower	Upper
105	100		
120	30.1	40.2	60.4#
91	13.5	43.0	64.6#
77	10.0	18.9	28.3#

