

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040046.D
 Acq On : 20 Dec 2022 2:39
 Operator : SY/MD
 Sample : N6059-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 05:19:24 2022
 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)

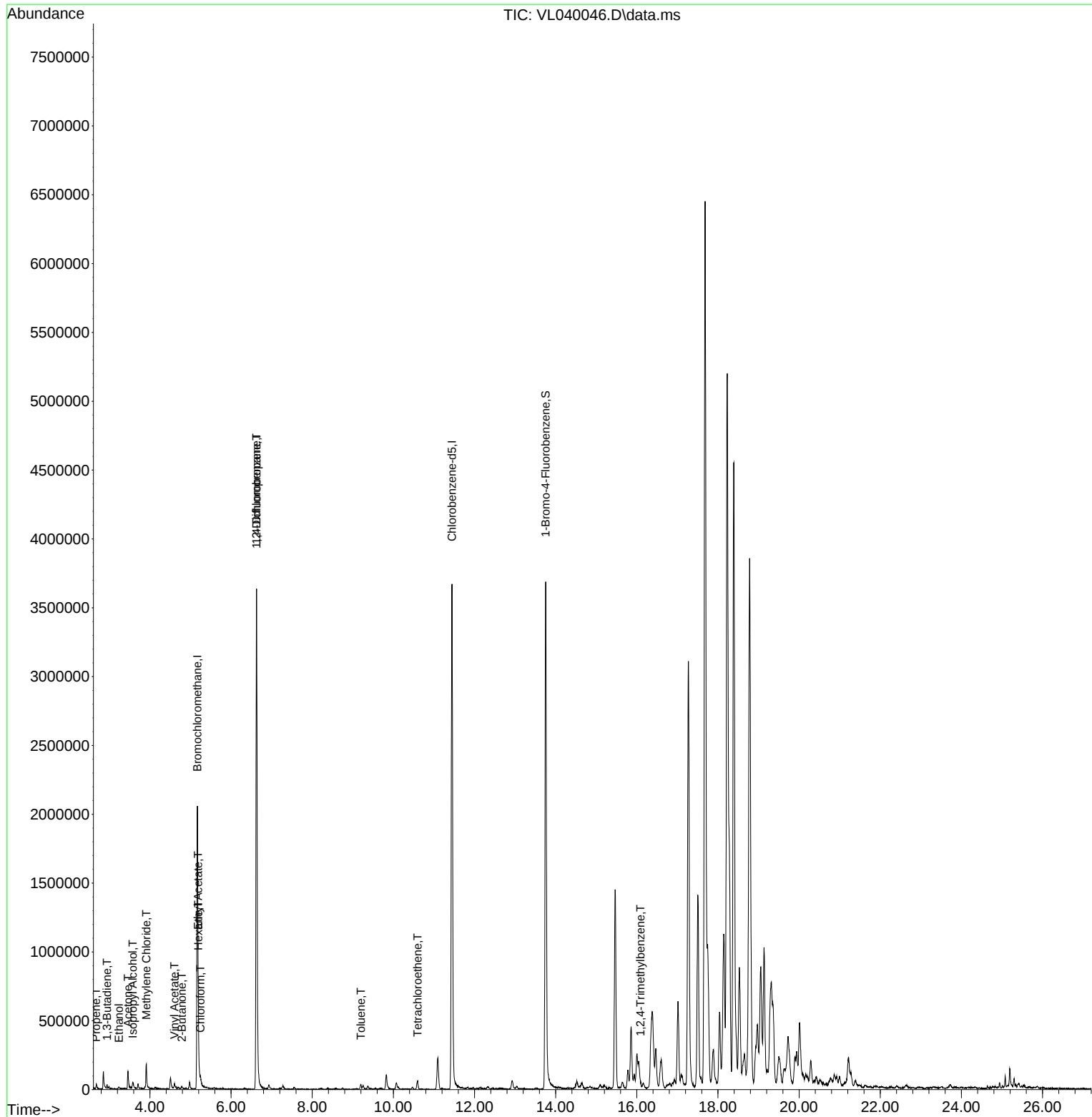
Internal Standards						
1) Bromochloromethane	5.166	49	1008888	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2883295	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2515956	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1900277	9.888	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
9) Propene	2.671	41	3563	0.056	ppbv #	16
13) Ethanol	3.234	45	8805	1.481	ppbv	67
15) Acetone	3.459	43	122077	0.782	ppbv #	86
16) 1,3-Butadiene	2.941	39	7776	0.115	ppbv #	18
19) Isopropyl Alcohol	3.574	45	39693	0.516	ppbv #	90
20) Methylene Chloride	3.912	84	53233	0.802	ppbv	93
23) Vinyl Acetate	4.606	43	38799	0.784	ppbv #	92
25) Ethyl Acetate	5.188	43	76444	0.283	ppbv #	77
26) Hexane	5.192	57	110290	0.971	ppbv #	35
29) Chloroform	5.246	83	20758	0.120	ppbv	88
34) 2-Butanone	4.787	43	21607	0.138	ppbv	99
39) 1,2-Dichloropropane	6.626	63	698900	7.241	ppbv #	23
52) Tetrachloroethene	10.597	164	7826	0.089	ppbv #	89
53) Toluene	9.195	91	16108	0.056	ppbv #	20
74) 1,2,4-Trimethylbenzene	16.088	105	20179	0.061	ppbv #	67

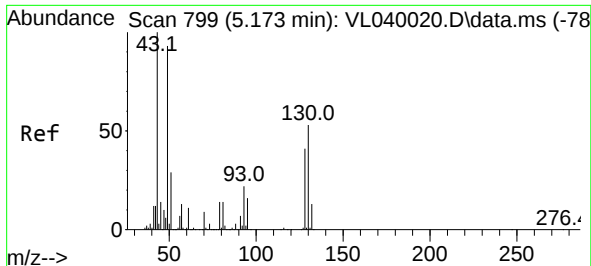
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
Data File : VL040046.D
Acq On : 20 Dec 2022 2:39
Operator : SY/MD
Sample : N6059-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

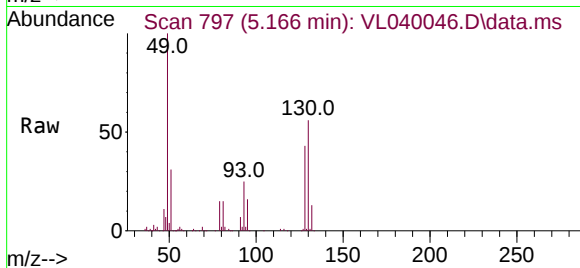
Quant Time: Dec 20 05:19:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration





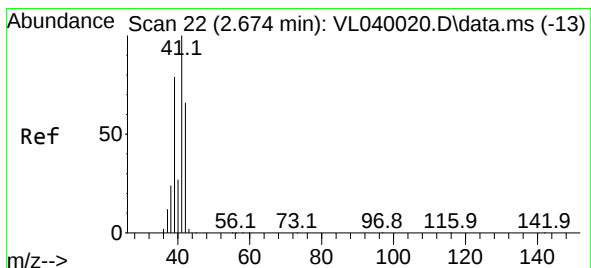
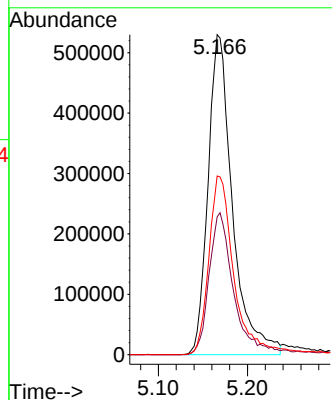
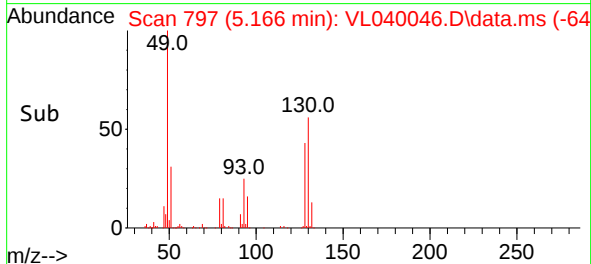
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 799
Delta R.T. -0.007 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 49 Resp: 1008888

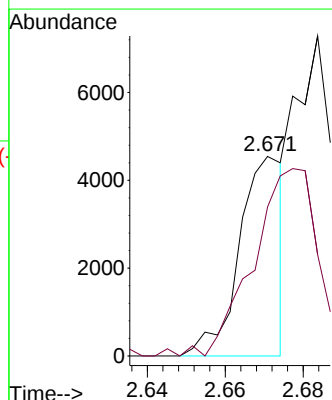
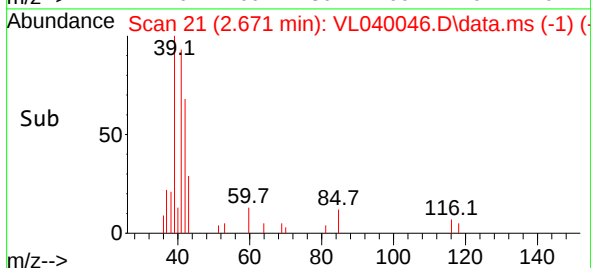
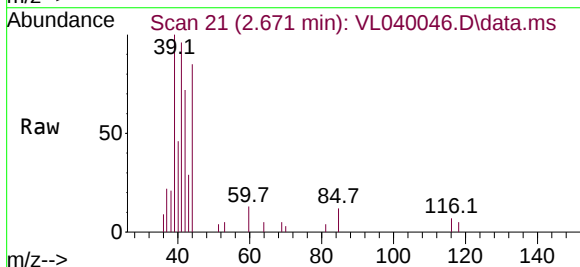
Ion	Ratio	Lower	Upper
49	100		
128	46.5	22.4	67.3
130	59.6	28.9	86.8

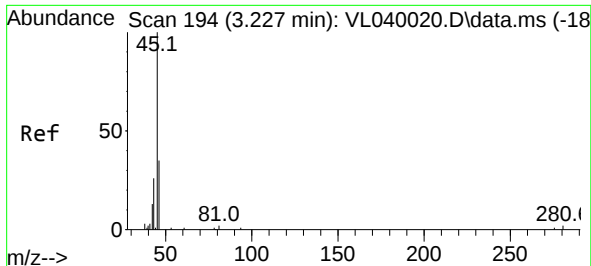


#9
Propene
Concen: 0.056 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

Tgt Ion: 41 Resp: 3563

Ion	Ratio	Lower	Upper
41	100		
42	0.0	54.8	82.2

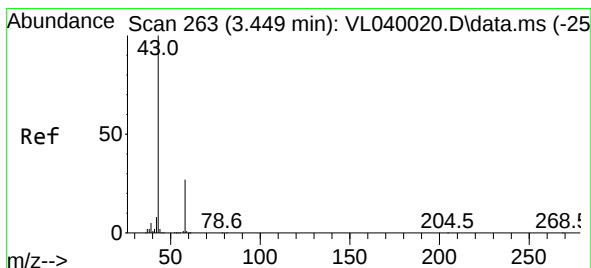
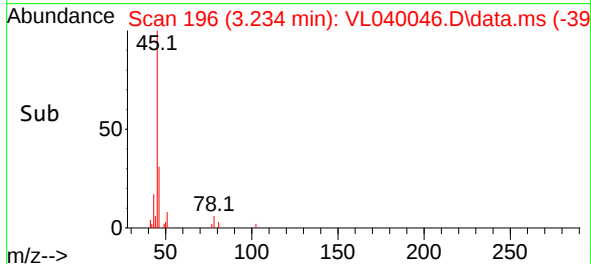
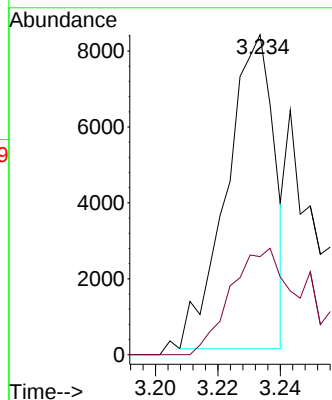
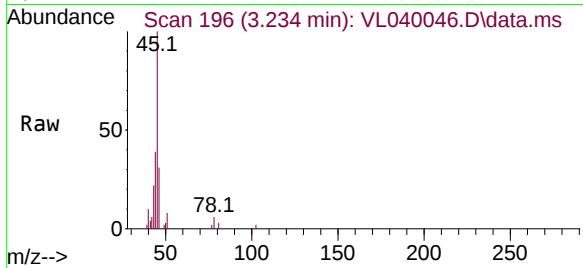




#13
Ethanol
Concen: 1.481 ppbv
RT: 3.234 min Scan# 194
Delta R.T. 0.006 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

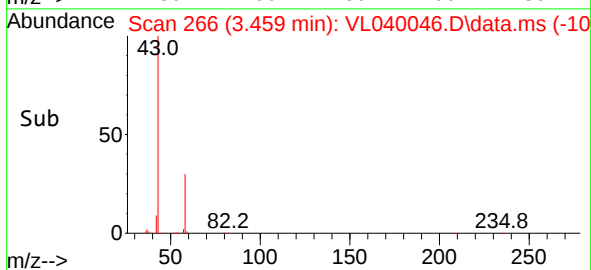
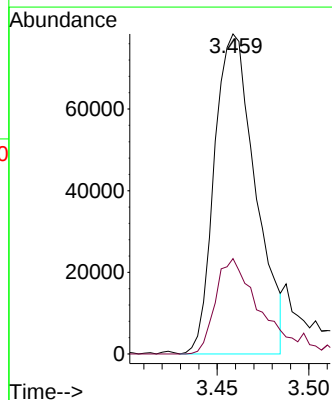
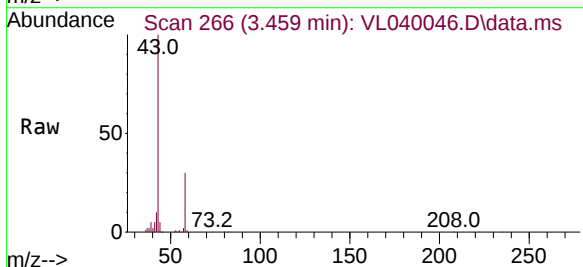
Instrument :
MSVOA_L
ClientSampleId :

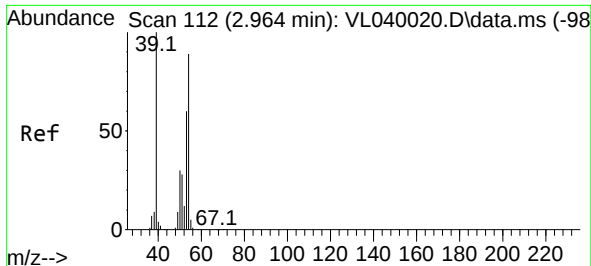
Tgt Ion: 45 Resp: 8805
Ion Ratio Lower Upper
45 100
46 52.9 13.7 54.7



#15
Acetone
Concen: 0.782 ppbv
RT: 3.459 min Scan# 266
Delta R.T. 0.009 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

Tgt Ion: 43 Resp: 122077
Ion Ratio Lower Upper
43 100
58 34.6 21.8 32.8#





#16

1,3-Butadiene

Concen: 0.115 ppbv

RT: 2.941 min Scan# 105

Delta R.T. -0.023 min

Lab File: VL040046.D

Acq: 20 Dec 2022 2:39

Instrument :

MSVOA_L

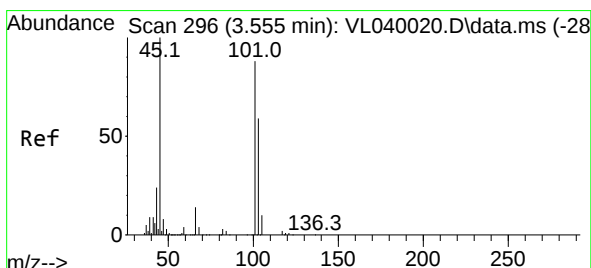
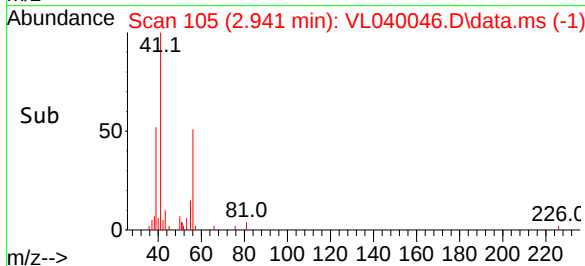
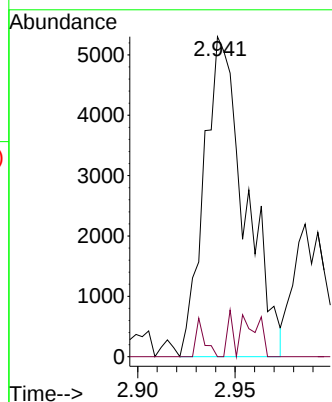
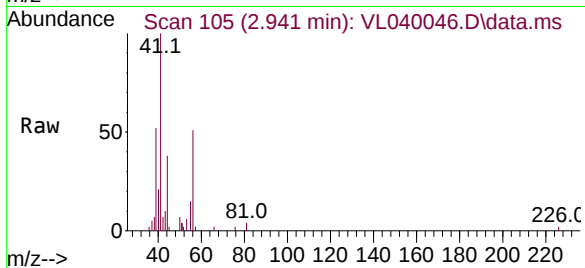
ClientSampleId :

Tgt Ion: 39 Resp: 7776

Ion Ratio Lower Upper

39 100

54 9.9 68.3 102.5#



#19

Isopropyl Alcohol

Concen: 0.516 ppbv

RT: 3.574 min Scan# 302

Delta R.T. 0.019 min

Lab File: VL040046.D

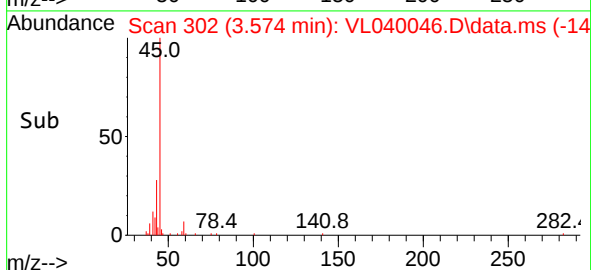
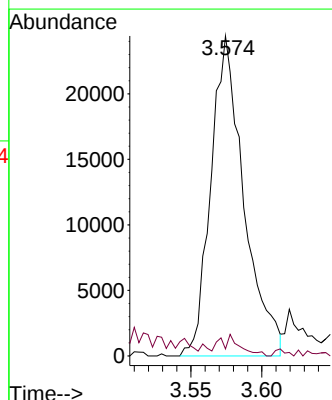
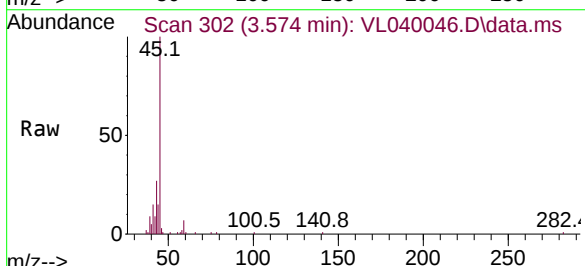
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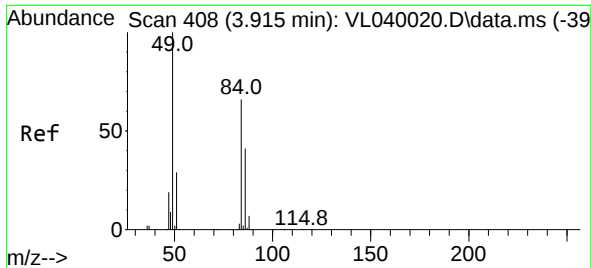
Tgt Ion: 45 Resp: 39693

Ion Ratio Lower Upper

45 100

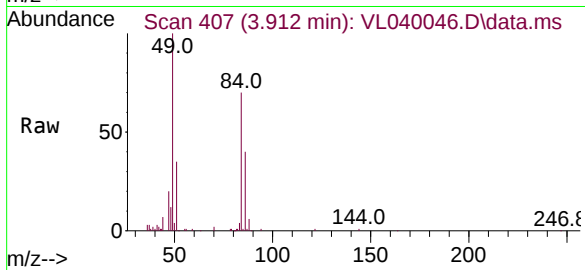
58 5.7 1.7 2.5#





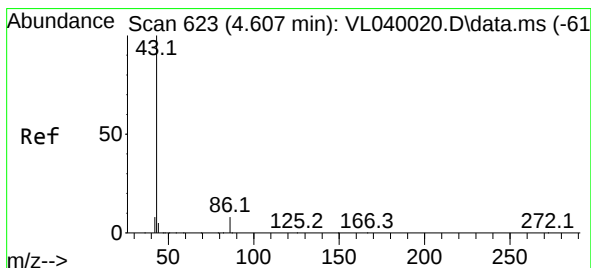
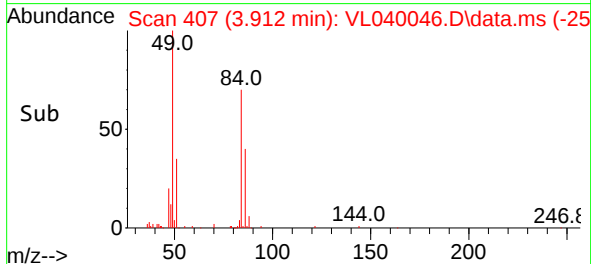
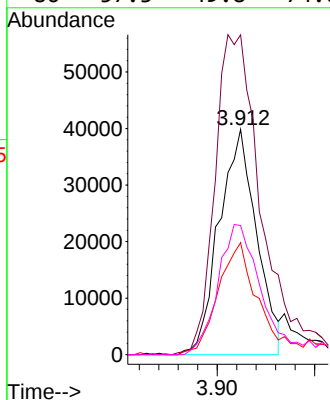
#20
Methylene Chloride
Concen: 0.802 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.003 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 53233

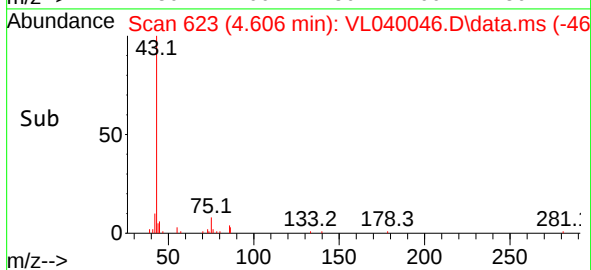
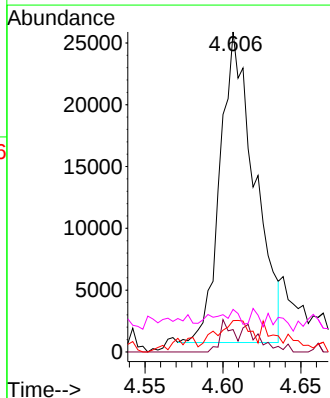
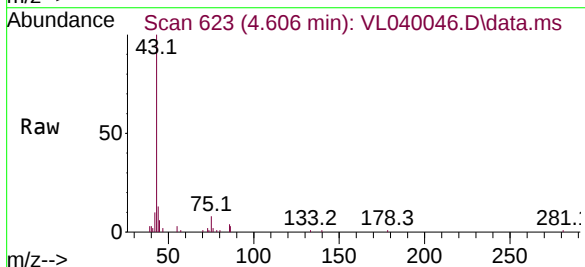
Ion	Ratio	Lower	Upper
84	100		
49	141.1	120.5	180.7
51	49.7	35.2	52.8
86	57.3	49.8	74.6

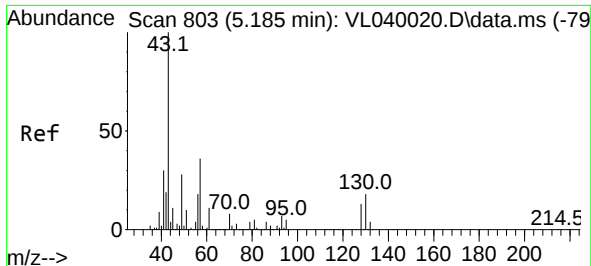


#23
Vinyl Acetate
Concen: 0.784 ppbv
RT: 4.606 min Scan# 623
Delta R.T. -0.000 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

Tgt Ion: 43 Resp: 38799

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.3	7.9
42	5.7	7.4	11.0#
44	8.7	3.8	5.6#

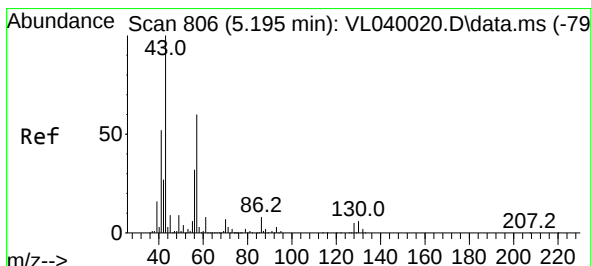
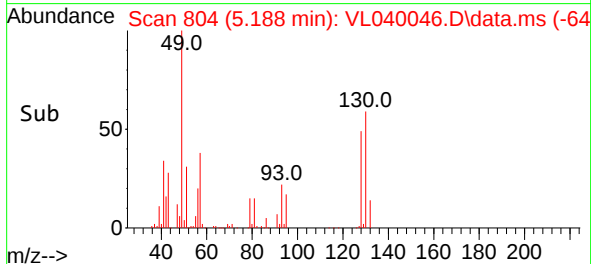
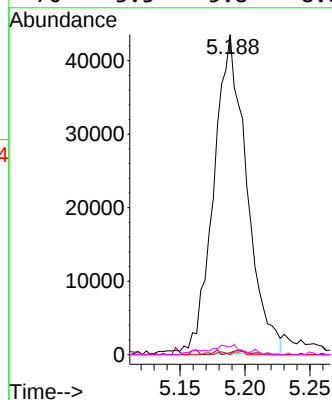
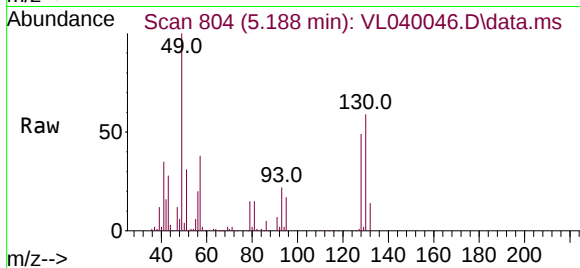




#25
Ethyl Acetate
Concen: 0.283 ppbv
RT: 5.188 min Scan# 803
Delta R.T. 0.003 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

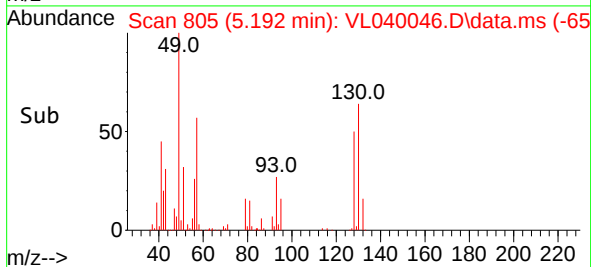
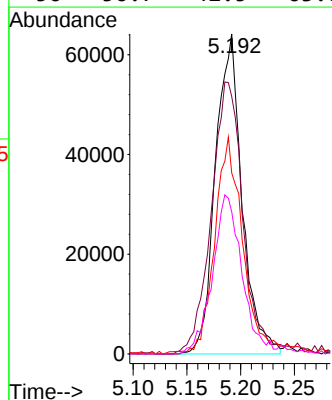
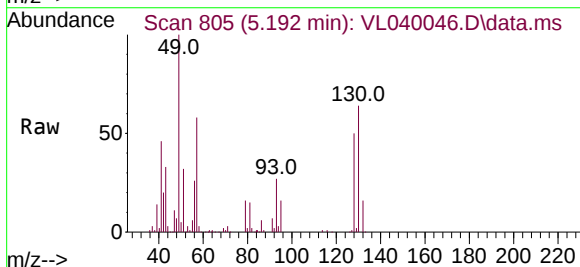
Instrument :
MSVOA_L
ClientSampleId :

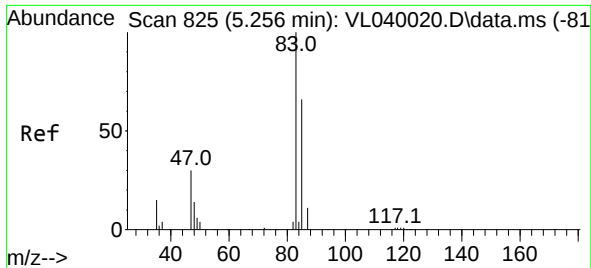
Tgt Ion: 43	Resp: 76444
Ion Ratio	Lower Upper
43 100	
45 0.8	8.6 12.8#
61 0.6	8.5 12.7#
70 3.3	5.8 8.8#



#26
Hexane
Concen: 0.971 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

Tgt	Ion: 57	Resp:	110290
Ion	Ratio	Lower	Upper
57	100		
41	102.1	72.1	108.1
43	74.7	192.1	288.1#
56	56.7	42.5	63.7

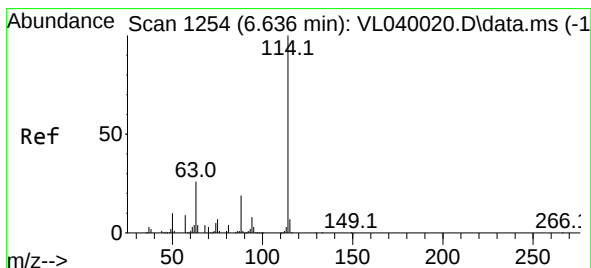
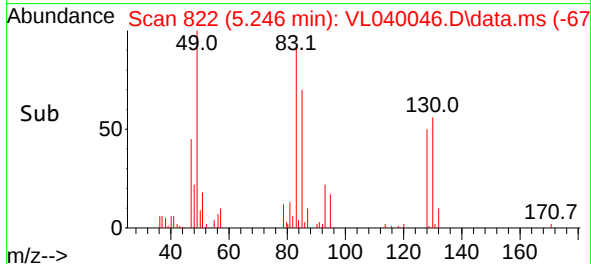
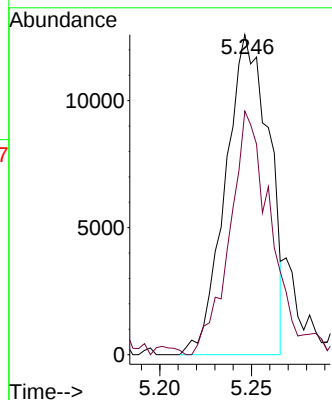
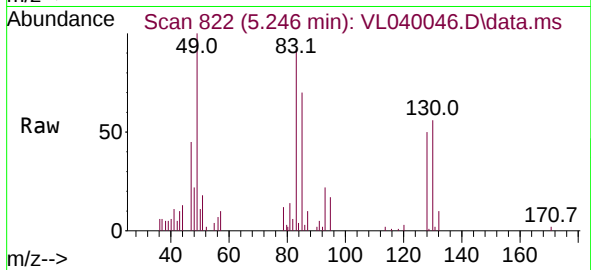




#29
Chloroform
Concen: 0.120 ppbv
RT: 5.246 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

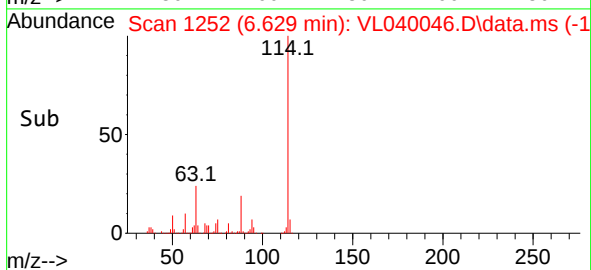
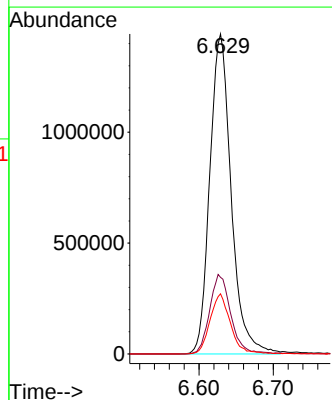
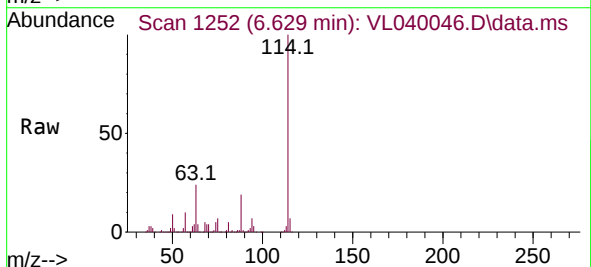
Instrument :
MSVOA_L
ClientSampleId :

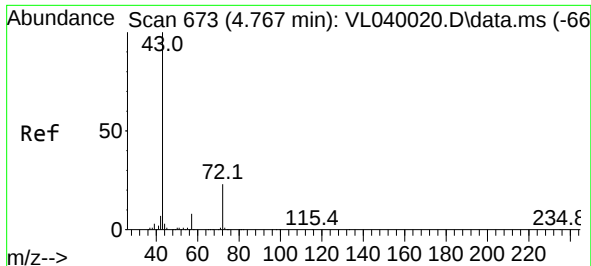
Tgt Ion: 83 Resp: 20758
Ion Ratio Lower Upper
83 100
85 74.8 52.4 78.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.007 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

Tgt Ion: 114 Resp: 2883295
Ion Ratio Lower Upper
114 100
63 24.8 20.2 30.2
88 18.1 14.6 21.8

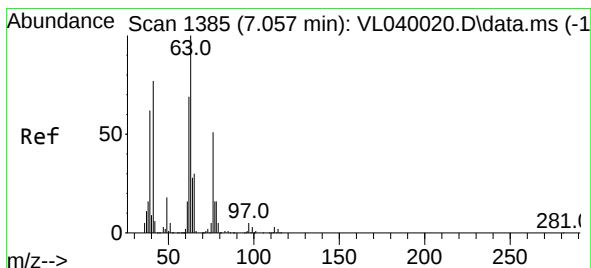
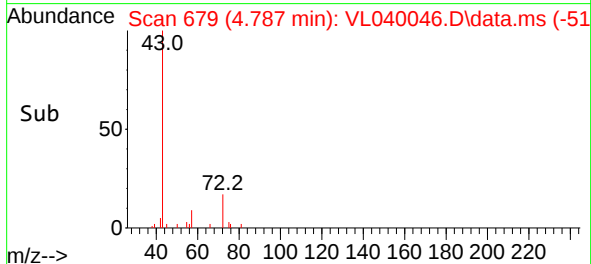
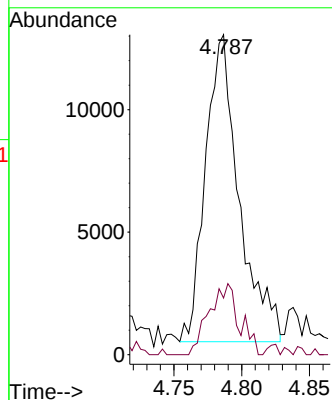
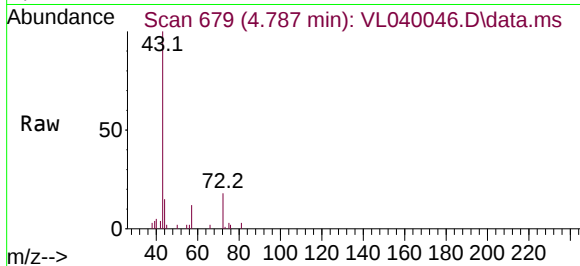




#34
2-Butanone
Concen: 0.138 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

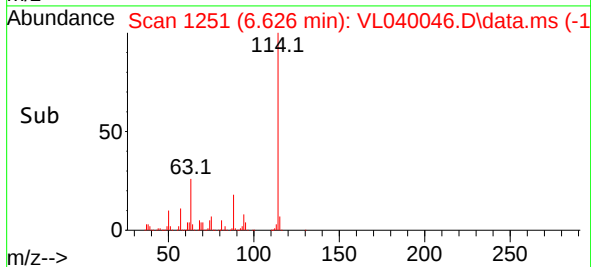
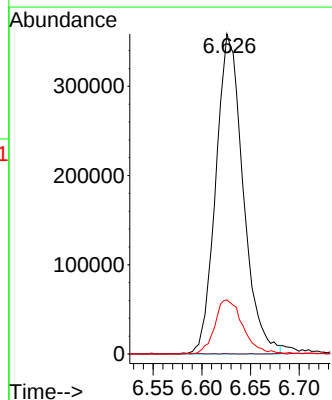
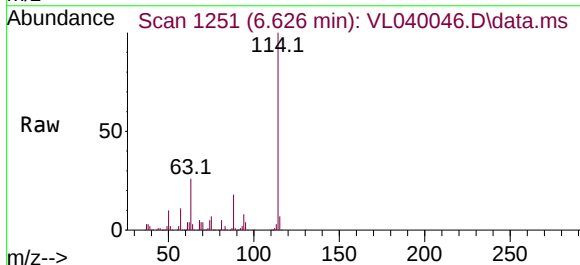
Instrument :
MSVOA_L
ClientSampleId :

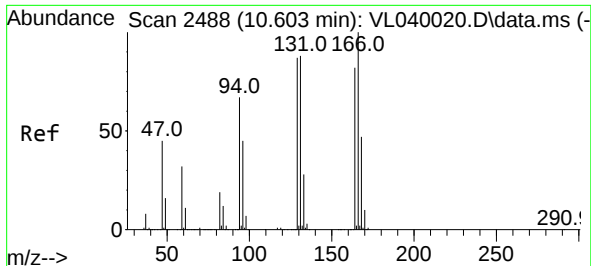
Tgt Ion: 43 Resp: 21607
Ion Ratio Lower Upper
43 100
72 21.8 18.0 27.0



#39
1,2-Dichloropropane
Concen: 7.241 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.431 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

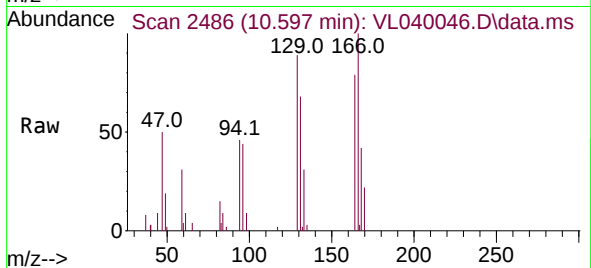
Tgt Ion: 63 Resp: 698900
Ion Ratio Lower Upper
63 100
41 0.0 61.4 92.0#
62 16.9 55.4 83.2#



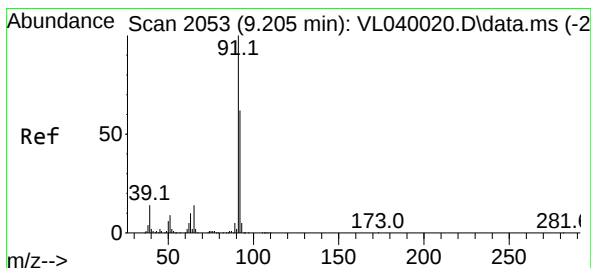
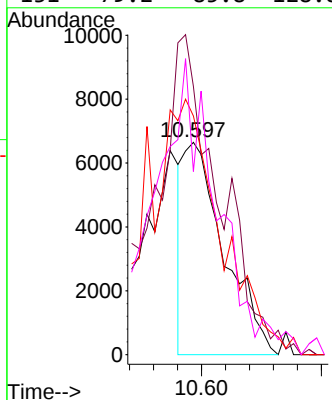
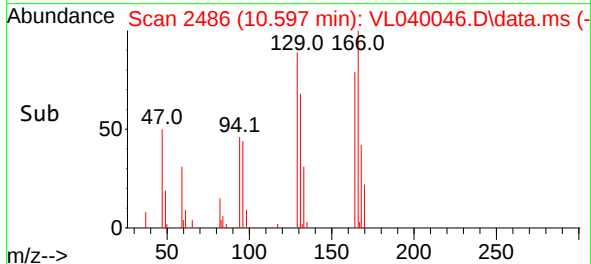


#52
Tetrachloroethene
Concen: 0.089 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. -0.007 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39

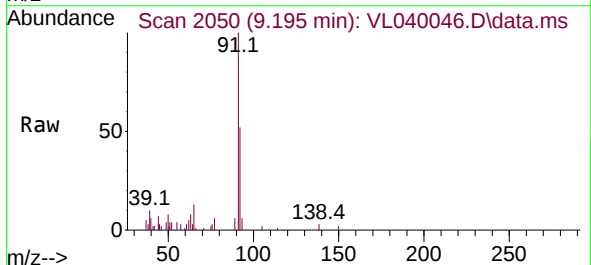
Instrument :
MSVOA_L
ClientSampleId :



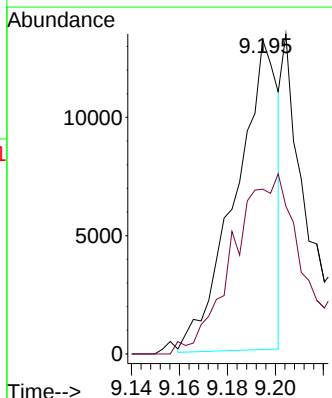
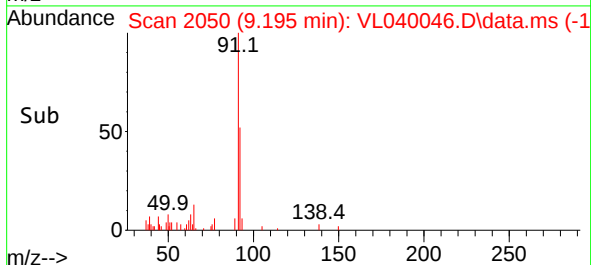
Tgt Ion:164 Resp: 7826
Ion Ratio Lower Upper
164 100
166 114.9 97.4 146.0
129 103.9 84.3 126.5
131 79.2 85.8 128.8#

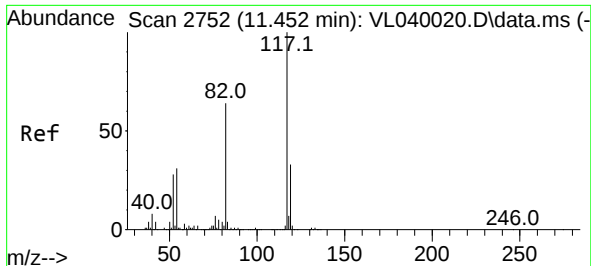


#53
Toluene
Concen: 0.056 ppbv
RT: 9.195 min Scan# 2050
Delta R.T. -0.010 min
Lab File: VL040046.D
Acq: 20 Dec 2022 2:39



Tgt Ion: 91 Resp: 16108
Ion Ratio Lower Upper
91 100
92 0.0 48.7 73.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.442 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL040046.D

Acq: 20 Dec 2022 2:39

Instrument :

MSVOA_L

ClientSampleId :

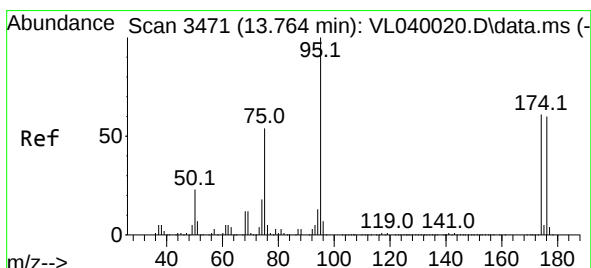
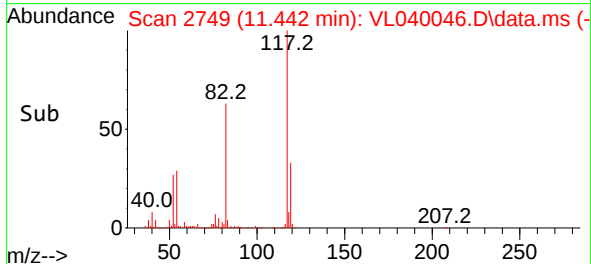
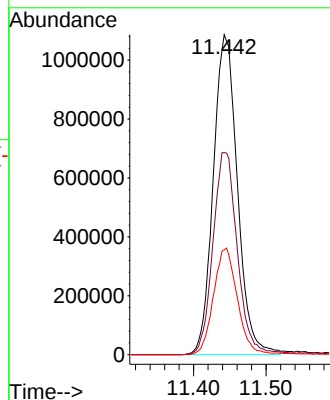
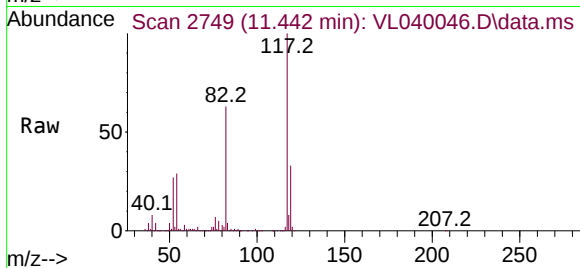
Tgt Ion:117 Resp: 2515956

Ion Ratio Lower Upper

117 100

82 64.9 51.2 76.8

119 33.3 23.2 34.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.888 ppbv

RT: 13.754 min Scan# 3468

Delta R.T. -0.010 min

Lab File: VL040046.D

Acq: 20 Dec 2022 2:39

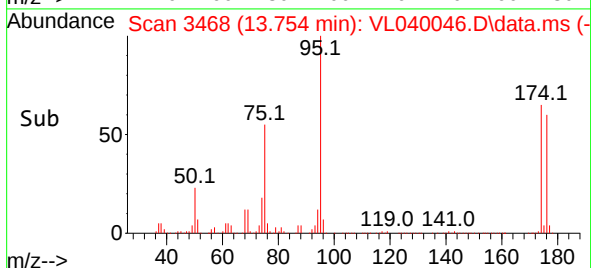
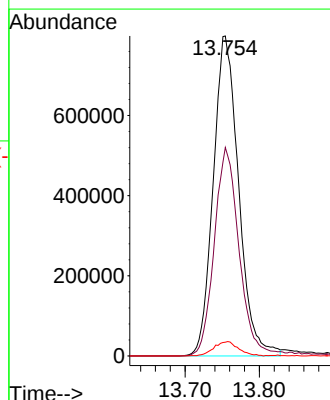
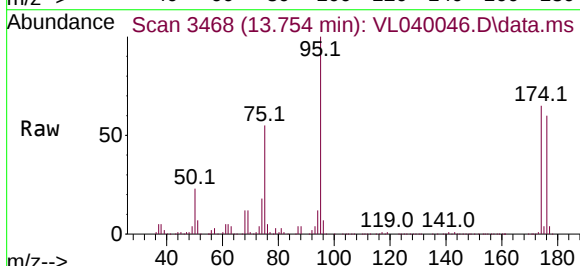
Tgt Ion: 95 Resp: 1900277

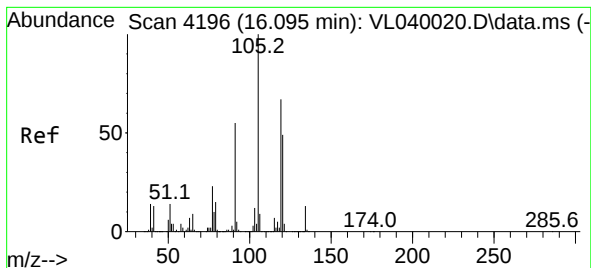
Ion Ratio Lower Upper

95 100

174 64.8 48.6 73.0

175 4.5 3.4 5.2





#74

1,2,4-Trimethylbenzene

Concen: 0.061 ppbv

RT: 16.088 min Scan# 41

Delta R.T. -0.007 min

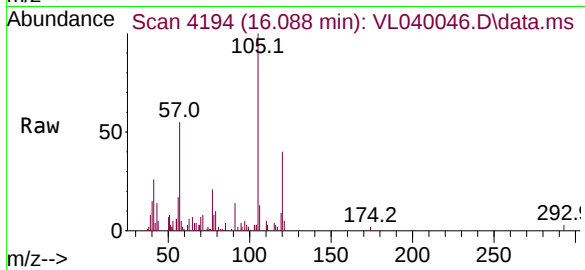
Lab File: VL040046.D

Acq: 20 Dec 2022 2:39

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 20179

Ion Ratio Lower Upper

105 100

120 38.5 39.3 58.9#

91 14.4 44.2 66.4#

77 15.8 18.8 28.2#

