

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039914.D
 Acq On : 21 Nov 2022 17:42
 Operator : SY/AP
 Sample : N5724-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Nov 22 03:49:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Nov 22 03:45:31 2022
 Response via : Initial Calibration

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

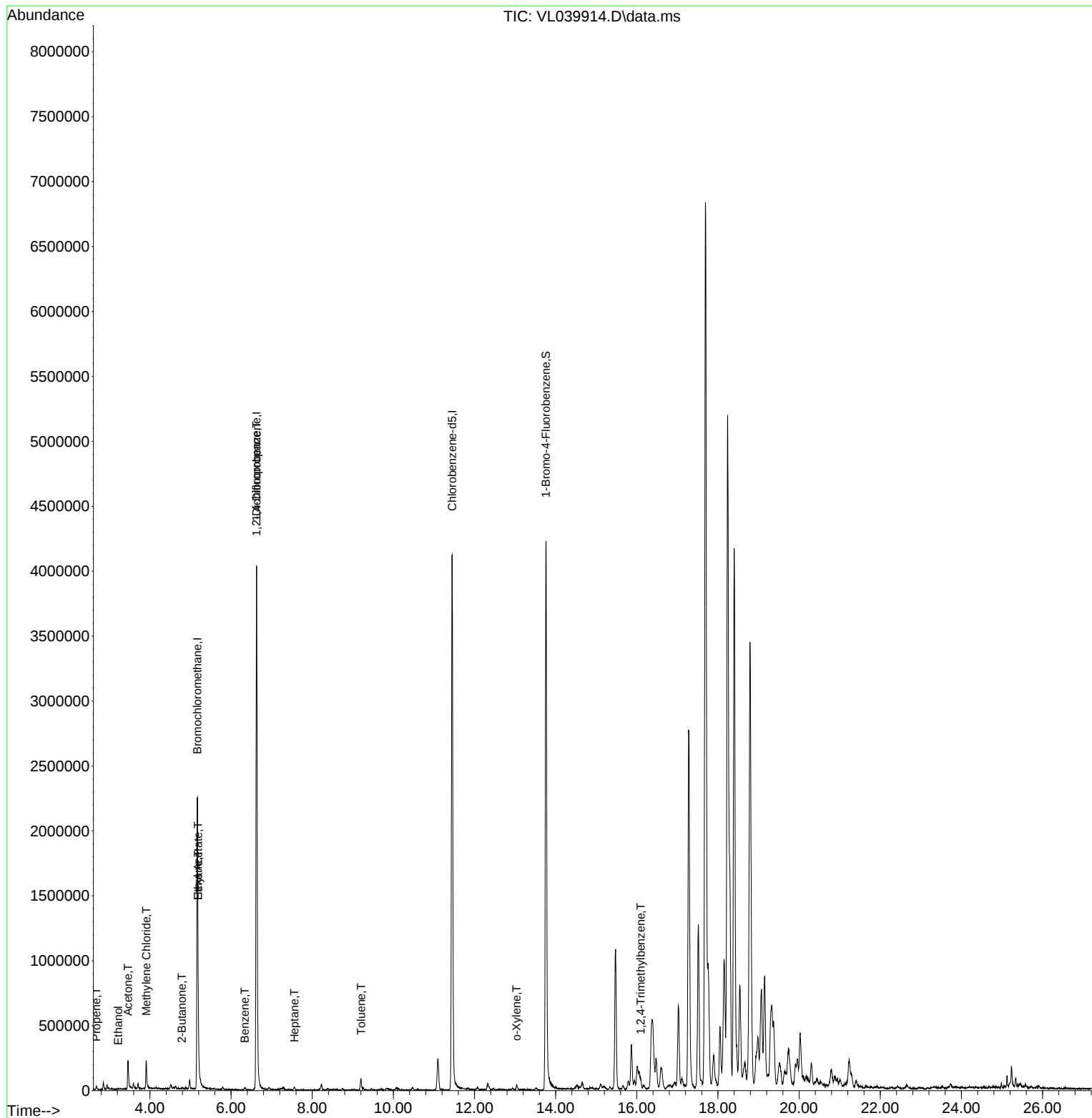
Internal Standards						
1) Bromochloromethane	5.166	49	1116551	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	3141304	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2784275	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2175983	10.232	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.300%	
Target Compounds						
						Qvalue
9) Propene	2.677	41	7163	0.099	ppbv	96
10) Heptane	7.561	43	7455	0.043	ppbv #	27
13) Ethanol	3.221	45	189	0.034	ppbv #	38
15) Acetone	3.459	43	237686	1.605	ppbv	98
20) Methylene Chloride	3.909	84	73691	1.027	ppbv	96
25) Ethyl Acetate	5.185	43	70042	0.258	ppbv #	78
26) Hexane	5.185	57	99371	0.837	ppbv #	34
34) 2-Butanone	4.787	43	9098	0.061	ppbv #	65
36) Benzene	6.340	78	8896	0.033	ppbv #	73
39) 1,2-Dichloropropane	6.626	63	785837	7.554	ppbv #	25
53) Toluene	9.205	91	37028	0.122	ppbv #	48
60) o-Xylene	13.034	91	17928	0.059	ppbv	70
74) 1,2,4-Trimethylbenzene	16.095	105	21479	0.065	ppbv #	59

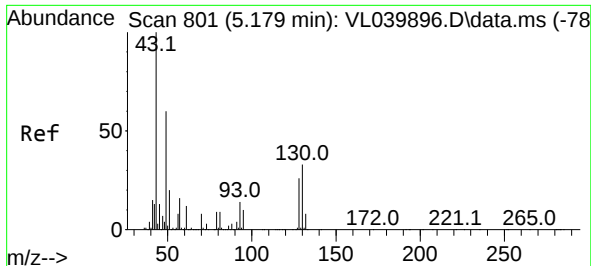
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 03:49:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration

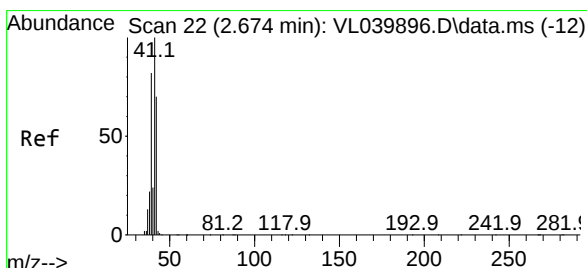
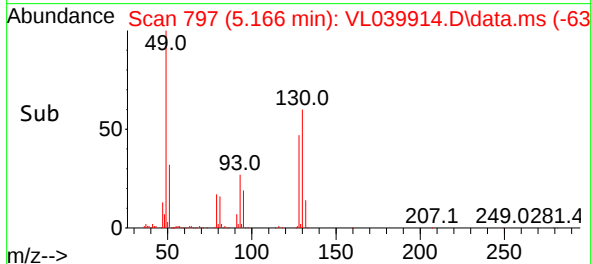
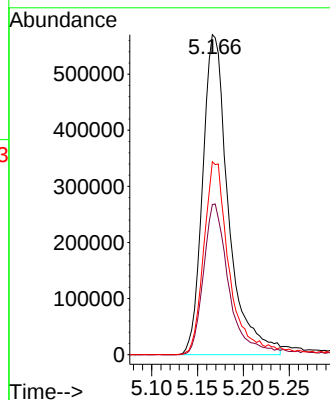
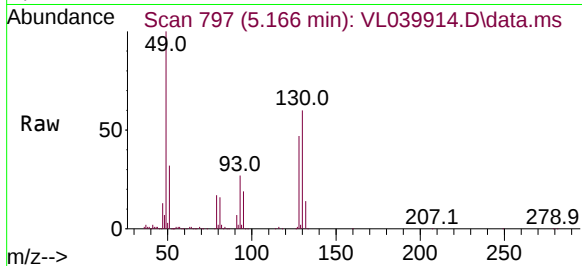




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

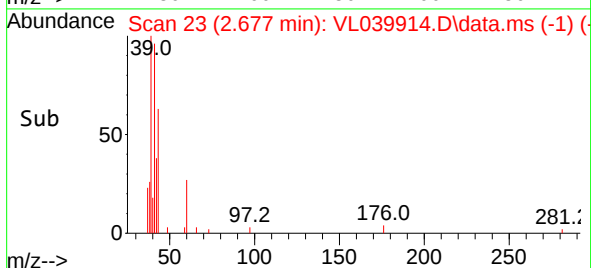
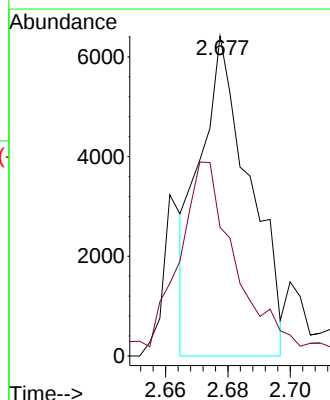
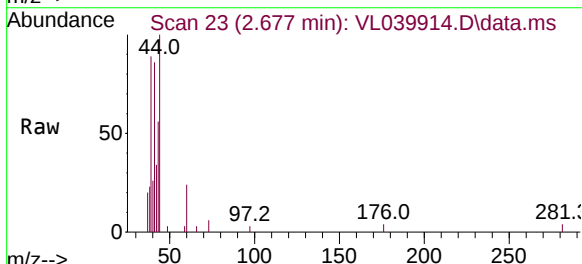
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

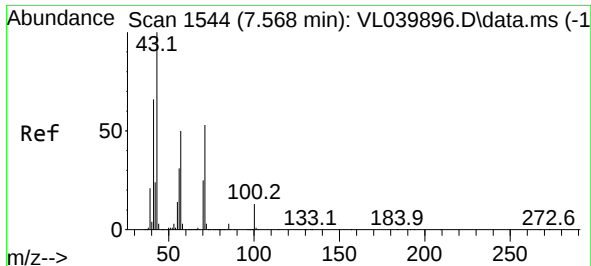
Tgt Ion: 49 Resp: 1116551
Ion Ratio Lower Upper
49 100
128 47.2 22.1 66.3
130 61.4 27.7 83.1



#9
Propene
Concen: 0.099 ppbv
RT: 2.677 min Scan# 23
Delta R.T. 0.016 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

Tgt Ion: 41 Resp: 7163
Ion Ratio Lower Upper
41 100
42 72.7 55.8 83.6

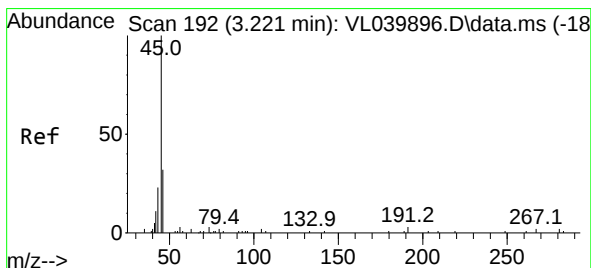
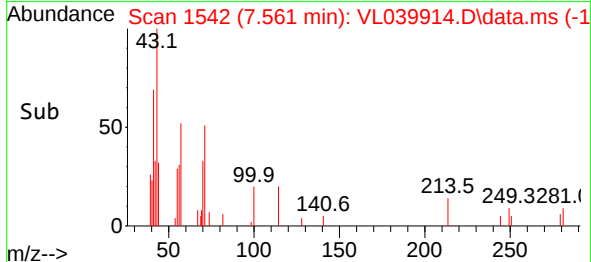
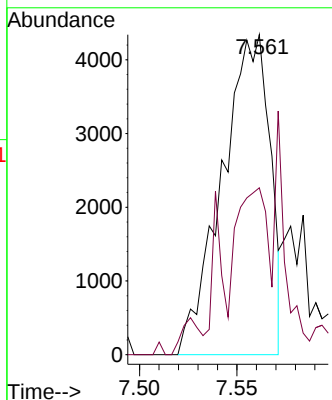
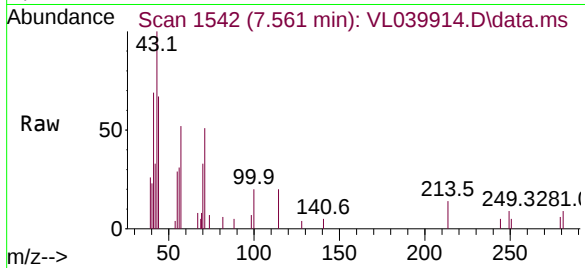




#10
Heptane
Concen: 0.043 ppbv
RT: 7.561 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

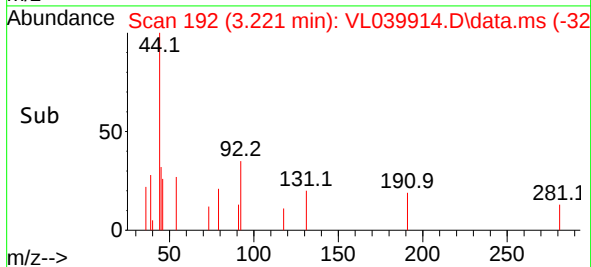
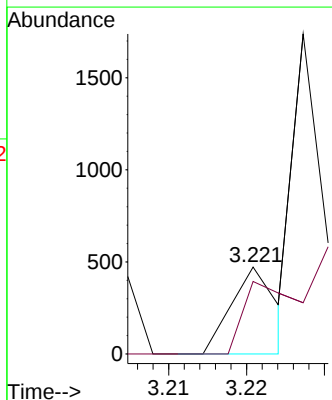
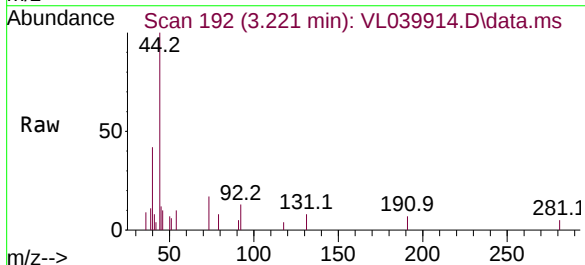
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

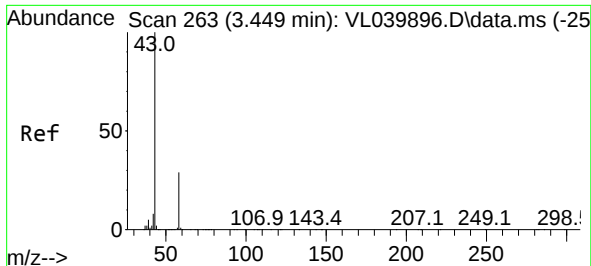
Tgt Ion: 43 Resp: 7455
Ion Ratio Lower Upper
43 100
57 0.0 40.7 61.1#



#13
Ethanol
Concen: 0.034 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.013 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

Tgt Ion: 45 Resp: 189
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#





#15

Acetone

Concen: 1.605 ppbv

RT: 3.459 min Scan# 20

Delta R.T. 0.026 min

Lab File: VL039914.D

Acq: 21 Nov 2022 17:42

Instrument :

MSVOA_L

ClientSampleId :

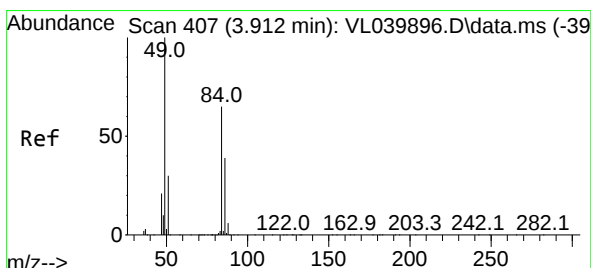
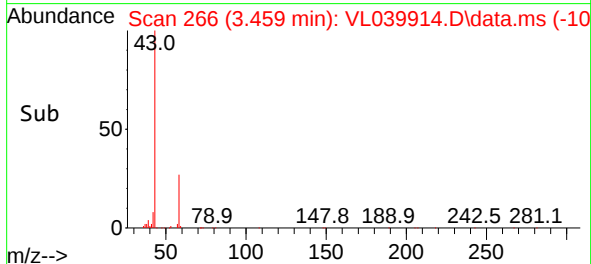
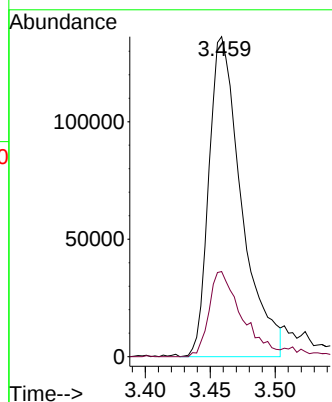
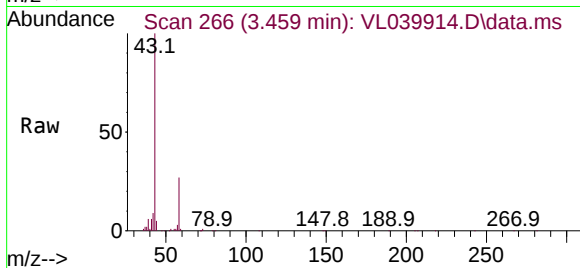
SV1DL

Tgt Ion: 43 Resp: 237686

Ion Ratio Lower Upper

43 100

58 29.9 22.9 34.3



#20

Methylene Chloride

Concen: 1.027 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.010 min

Lab File: VL039914.D

Acq: 21 Nov 2022 17:42

Tgt Ion: 84 Resp: 73691

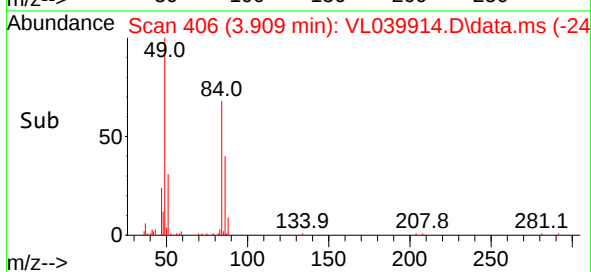
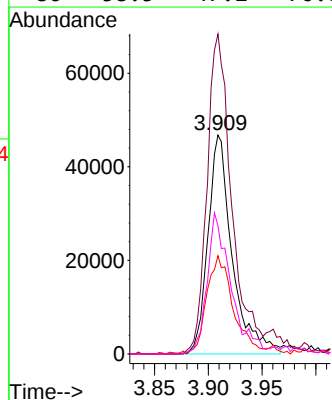
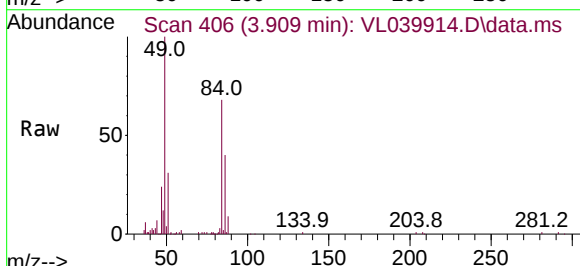
Ion Ratio Lower Upper

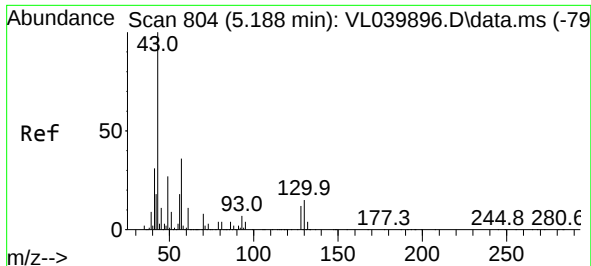
84 100

49 146.2 122.2 183.4

51 44.3 36.3 54.5

86 58.5 47.2 70.8

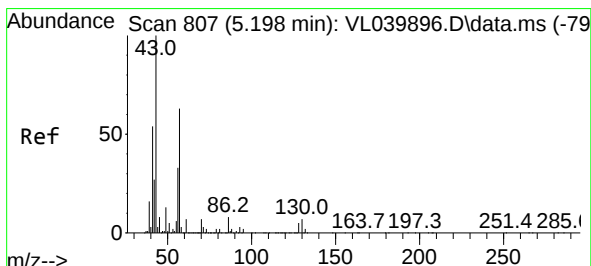
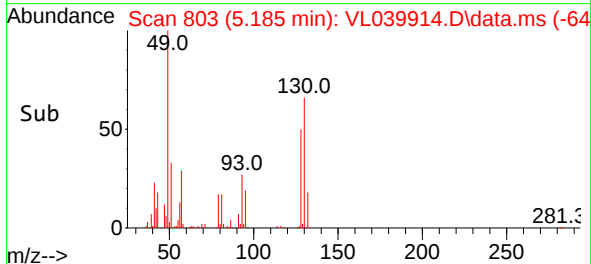
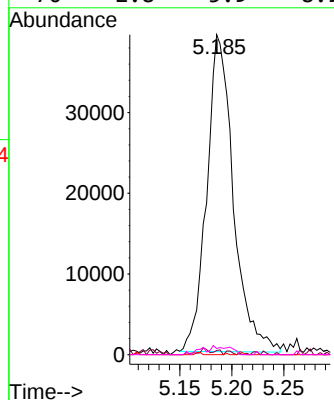
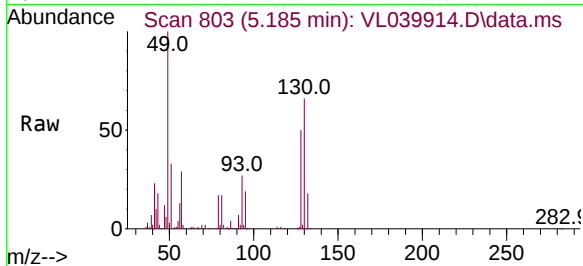




#25
Ethyl Acetate
Concen: 0.258 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.016 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

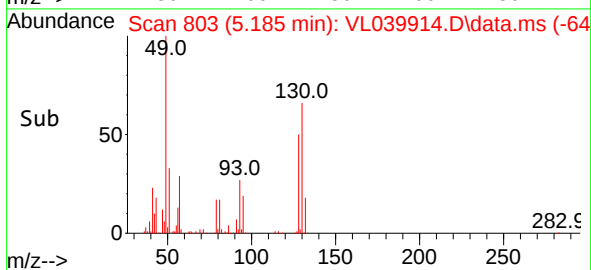
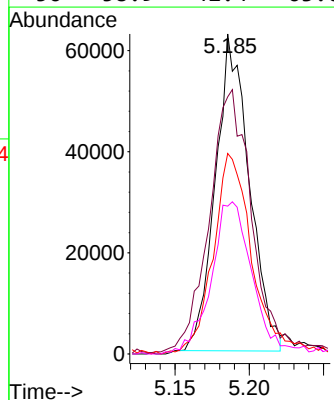
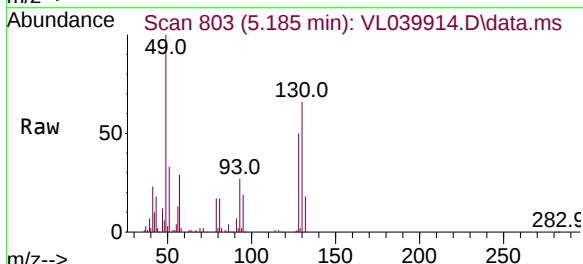
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

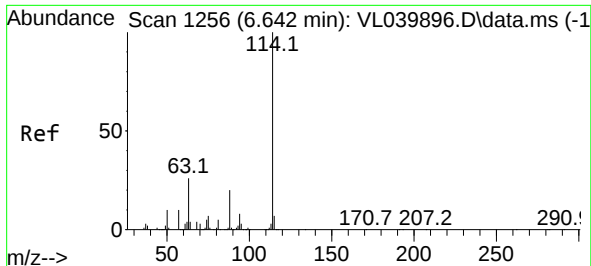
Tgt Ion: 43	Resp: 70042
Ion Ratio	Lower Upper
43 100	
45 1.8	8.4 12.6#
61 0.2	8.5 12.7#
70 2.8	5.9 8.9#



#26
Hexane
Concen: 0.837 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.003 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

Tgt Ion: 57	Resp: 99371
Ion Ratio	Lower Upper
57 100	
41 110.2	72.3 108.5#
43 74.3	188.7 283.1#
56 58.9	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: VL039914.D

Acq: 21 Nov 2022 17:42

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

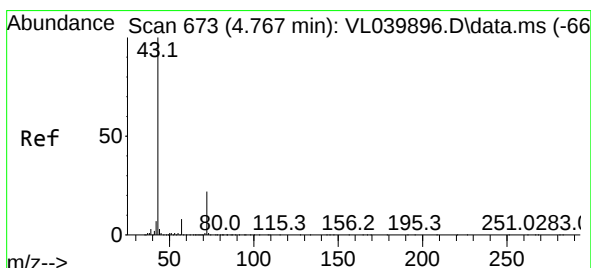
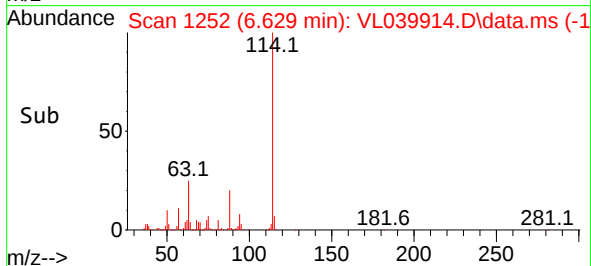
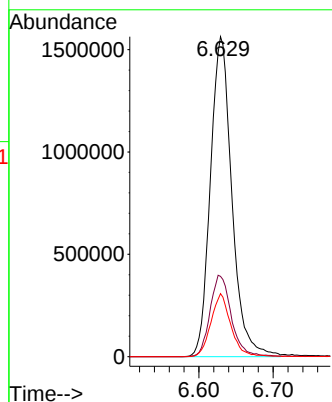
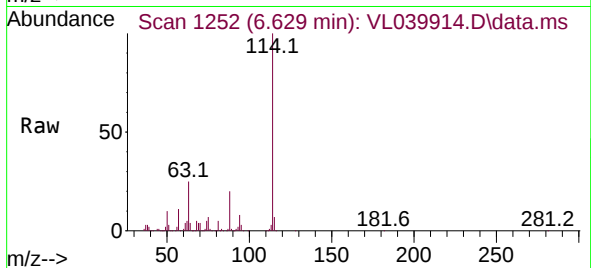
Tgt Ion:114 Resp: 3141304

Ion Ratio Lower Upper

114 100

63 25.5 21.4 32.0

88 18.4 15.3 22.9



#34

2-Butanone

Concen: 0.061 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.035 min

Lab File: VL039914.D

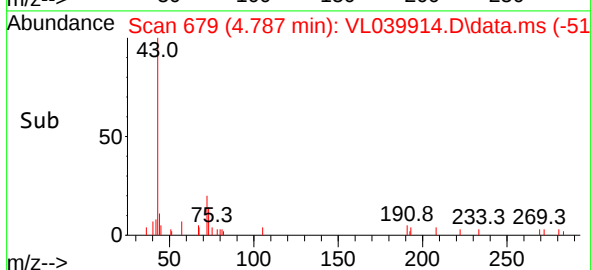
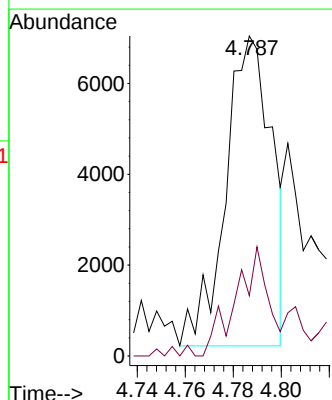
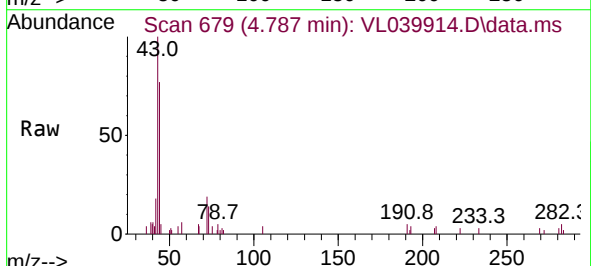
Acq: 21 Nov 2022 17:42

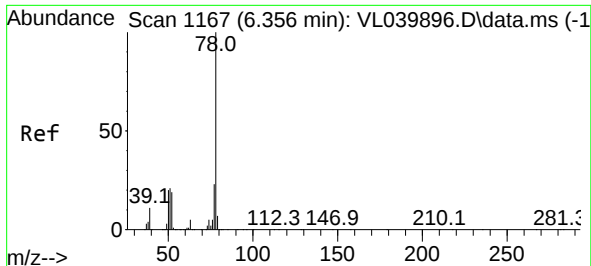
Tgt Ion: 43 Resp: 9098

Ion Ratio Lower Upper

43 100

72 38.5 17.4 26.2#

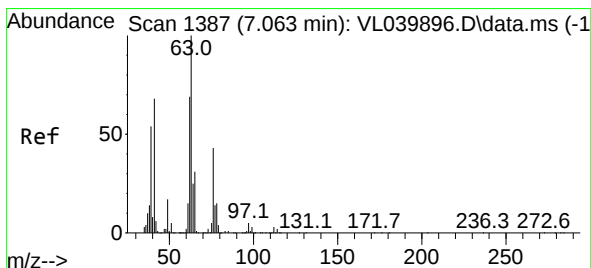
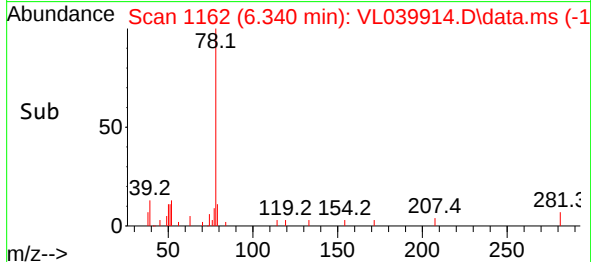
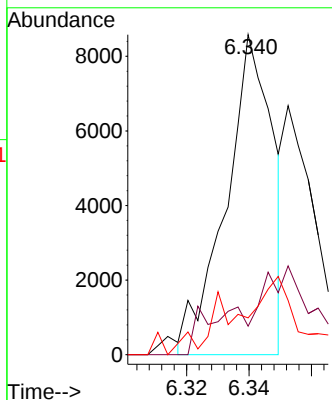
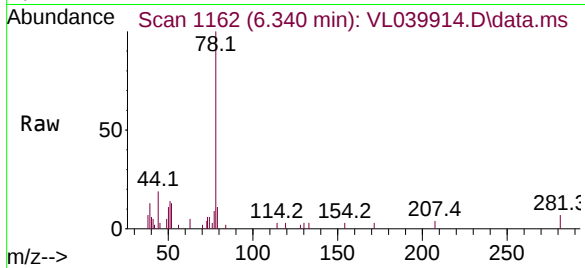




#36
Benzene
Concen: 0.033 ppbv
RT: 6.340 min Scan# 1167
Delta R.T. 0.003 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

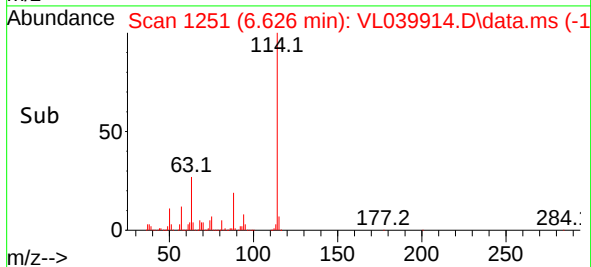
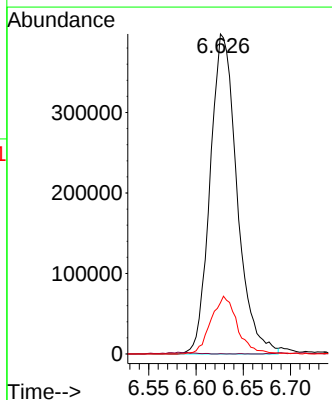
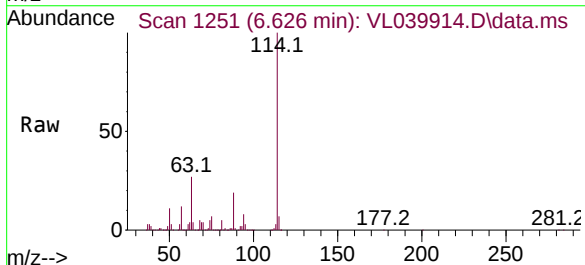
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SV1DL

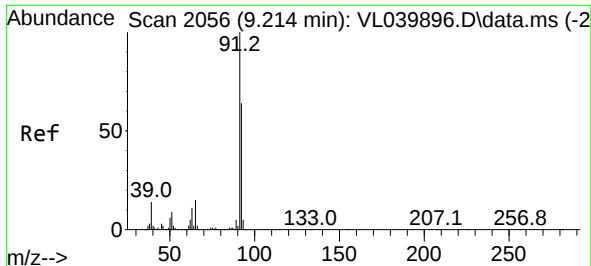
Tgt Ion: 78 Resp: 8896
Ion Ratio Lower Upper
78 100
77 9.3 18.2 27.2#
50 8.3 15.8 23.8#



#39
1,2-Dichloropropane
Concen: 7.554 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.415 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

Tgt Ion: 63 Resp: 785837
Ion Ratio Lower Upper
63 100
41 0.0 54.7 82.1#
62 16.0 55.0 82.6#

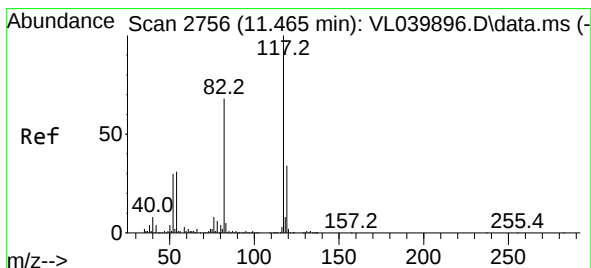
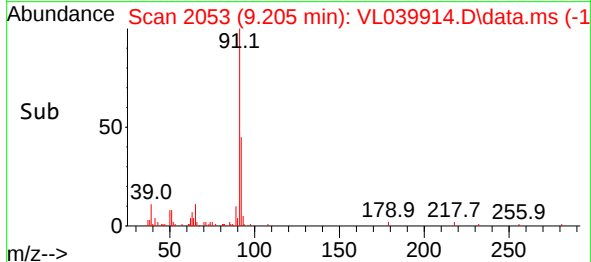
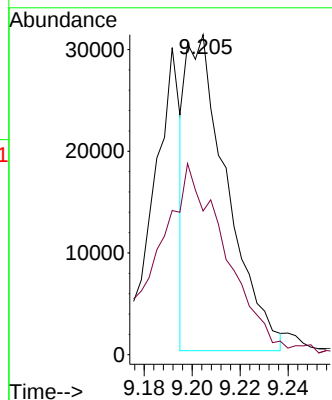
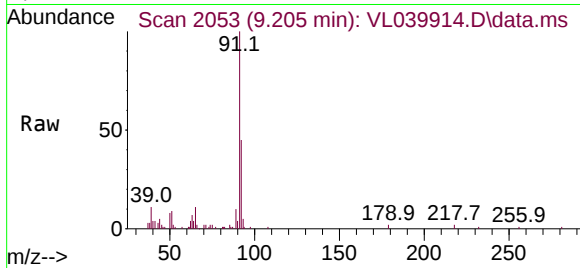




#53
Toluene
Concen: 0.122 ppbv
RT: 9.205 min Scan# 2053
Delta R.T. 0.013 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

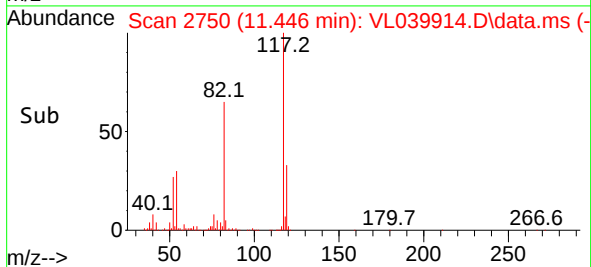
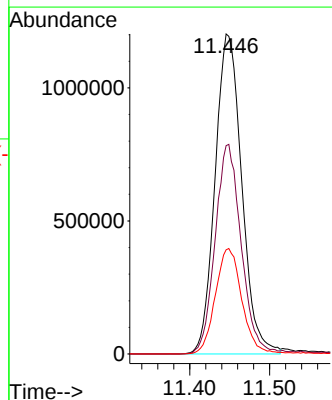
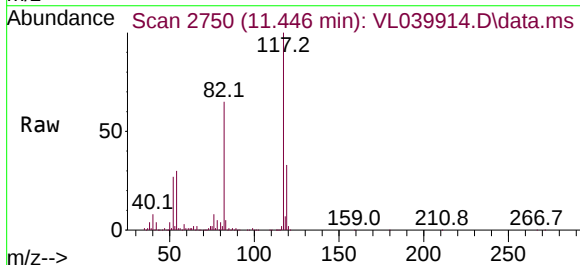
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

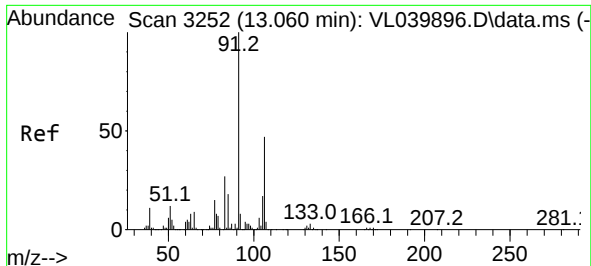
Tgt Ion: 91 Resp: 37028
Ion Ratio Lower Upper
91 100
92 102.5 49.8 74.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. 0.006 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

Tgt Ion: 117 Resp: 2784275
Ion Ratio Lower Upper
117 100
82 65.0 52.3 78.5
119 33.1 25.7 38.5

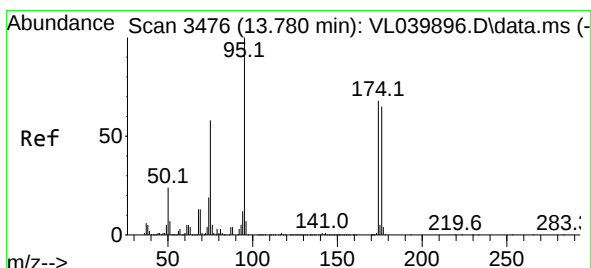
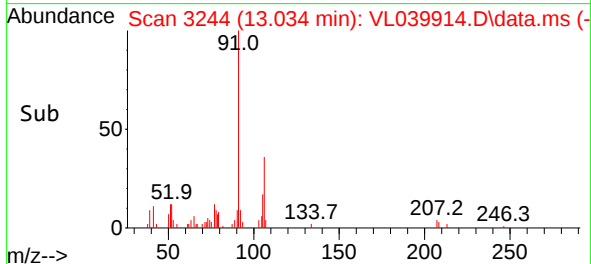
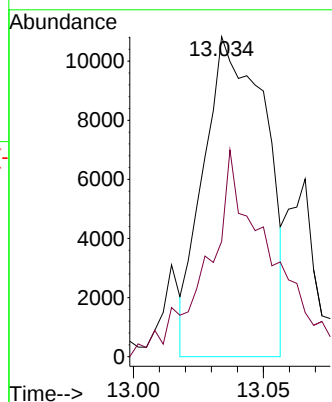
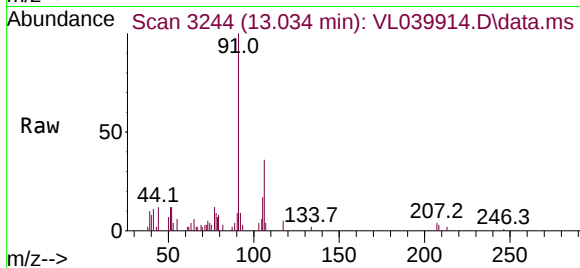




#60
o-Xylene
Concen: 0.059 ppbv
RT: 13.034 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

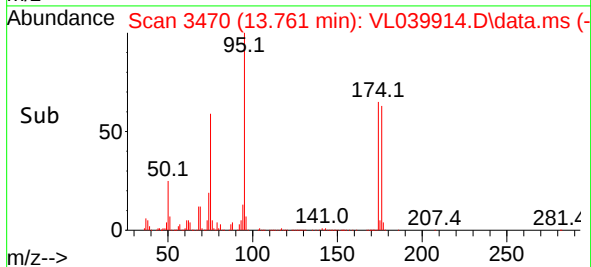
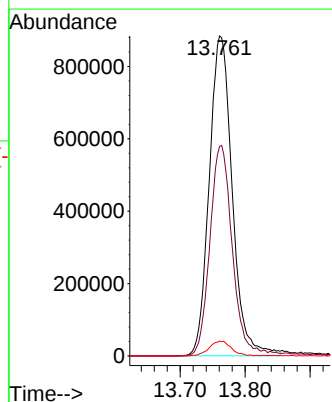
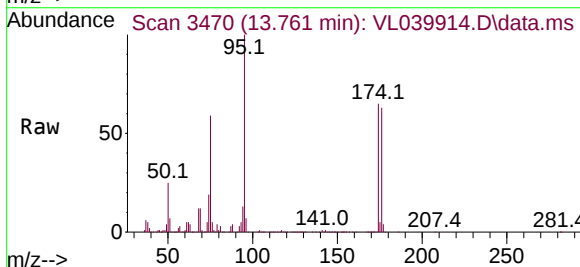
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

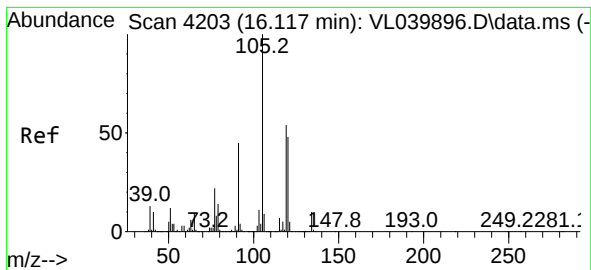
Tgt Ion: 91 Resp: 17928
Ion Ratio Lower Upper
91 100
106 66.5 23.2 69.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.232 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.006 min
Lab File: VL039914.D
Acq: 21 Nov 2022 17:42

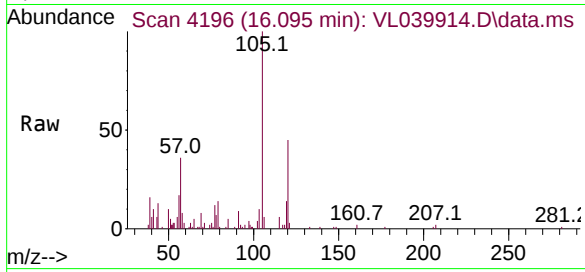
Tgt Ion: 95 Resp: 2175983
Ion Ratio Lower Upper
95 100
174 65.6 53.7 80.5
175 4.5 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.065 ppbv
 RT: 16.095 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL039914.D
 Acq: 21 Nov 2022 17:42

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:	105	Resp:	21479
Ion	Ratio	Lower	Upper
105	100		
120	60.8	38.7	58.1#
91	3.5	36.4	54.6#
77	0.0	17.4	26.0#

