

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039712.D
 Acq On : 11 Oct 2022 9:23
 Operator : SY/AP
 Sample : N5040-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01DL

Quant Time: Oct 12 04:38:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

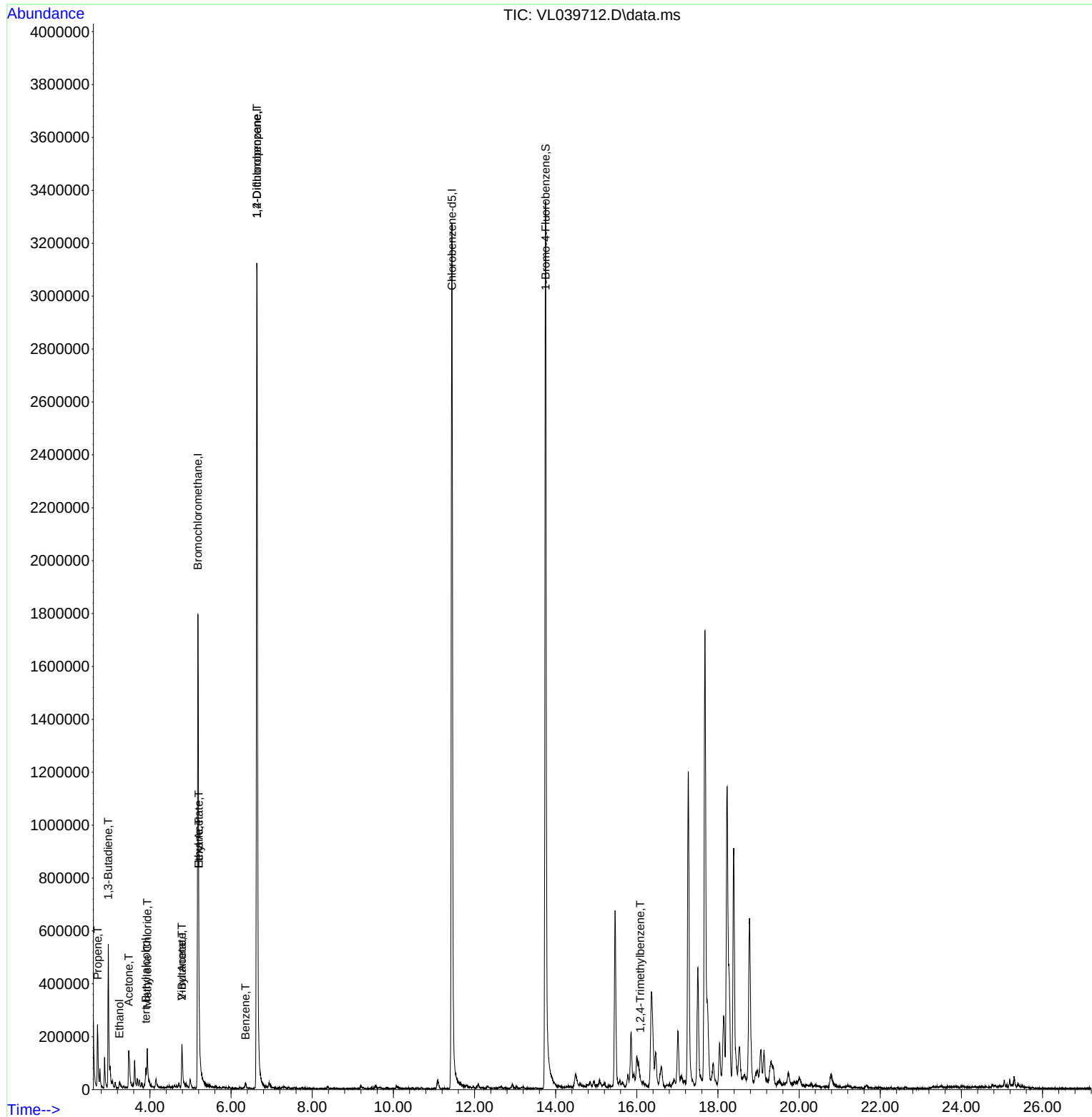
Internal Standards						
1) Bromochloromethane	5.182	49	873848	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.635	114	2455101	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.442	117	2202464	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1615015	9.823	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
9) Propene	2.709	41	106639	2.252	ppbv	99
13) Ethanol	3.250	45	20777	5.757	ppbv	81
15) Acetone	3.478	43	150796	1.551	ppbv #	40
16) 1,3-Butadiene	2.973	39	160064	3.245	ppbv #	19
17) tert-Butyl alcohol	3.899	59	25748	0.295	ppbv #	63
20) Methylene Chloride	3.938	84	43413	0.966	ppbv	97
23) Vinyl Acetate	4.787	43	216981	4.936	ppbv #	87
25) Ethyl Acetate	5.205	43	20375	0.096	ppbv #	77
26) Hexane	5.205	57	16879	0.188	ppbv #	28
34) 2-Butanone	4.787	43	216981	1.799	ppbv	96
36) Benzene	6.352	78	7162	0.038	ppbv #	87
39) 1,2-Dichloropropane	6.635	63	609803	8.413	ppbv #	25
74) 1,2,4-Trimethylbenzene	16.082	105	9291	0.037	ppbv #	75

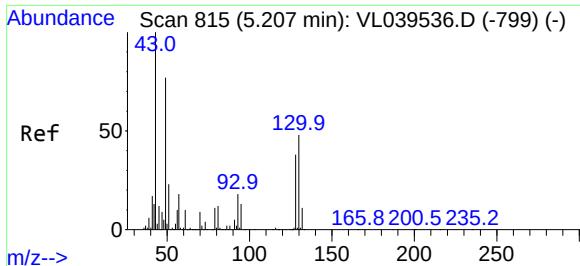
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA_L
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Instrument :
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ClientSampleId :
SVP-01DL

Quant Time: Oct 12 04:38:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

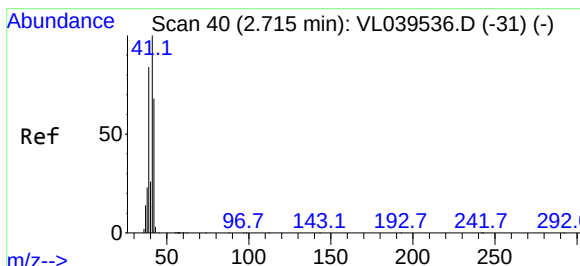
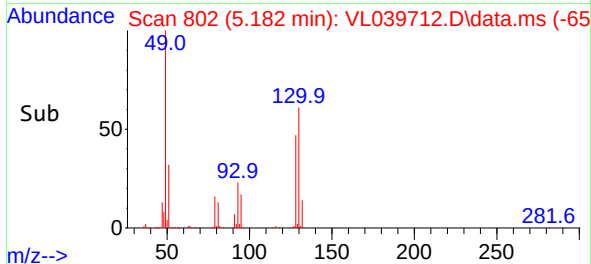
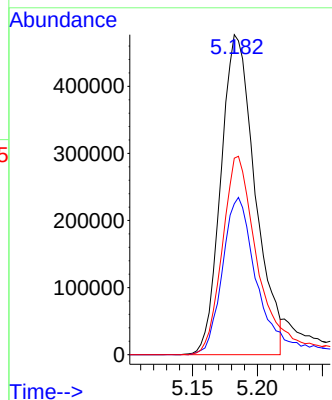
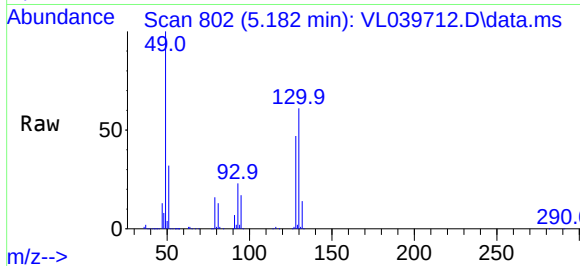




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.025 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

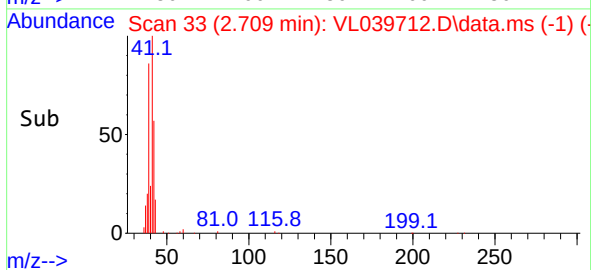
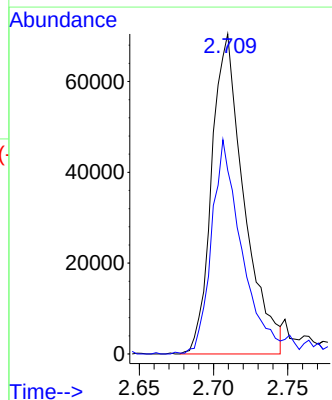
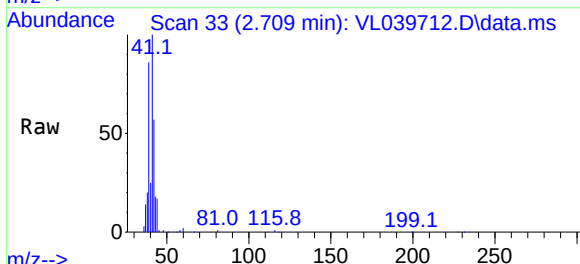
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

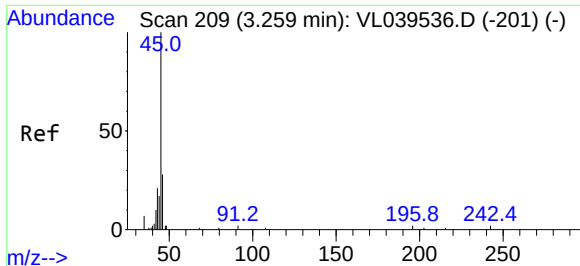
Tgt Ion: 49 Resp: 873848
Ion Ratio Lower Upper
49 100
128 54.1 26.7 80.0
130 69.2 34.3 102.8



#9
Propene
Concen: 2.252 ppbv
RT: 2.709 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 41 Resp: 106639
Ion Ratio Lower Upper
41 100
42 67.8 55.2 82.8

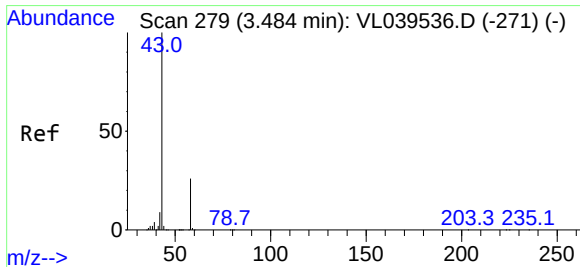
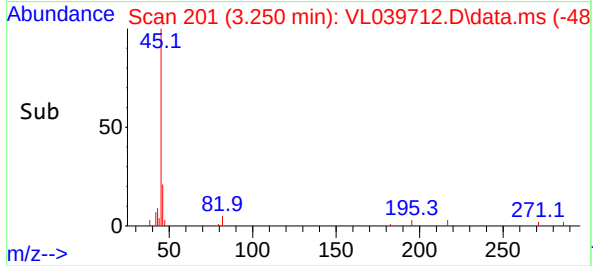
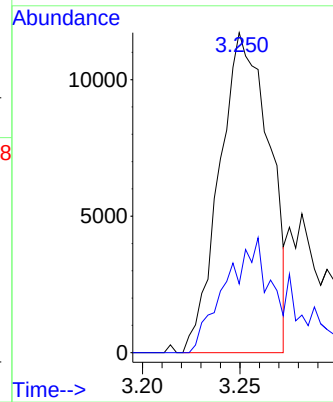
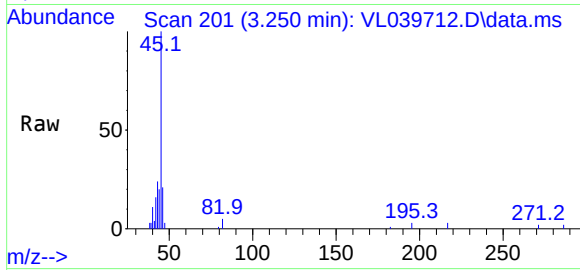




#13
Ethanol
Concen: 5.757 ppbv
RT: 3.250 min Scan# 20
Delta R.T. -0.009 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

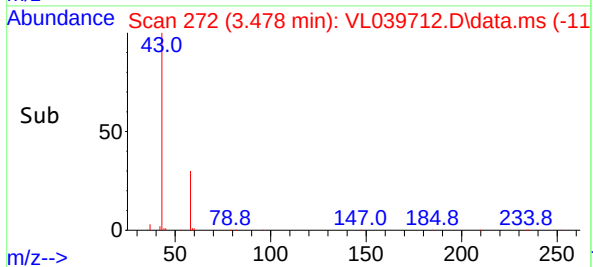
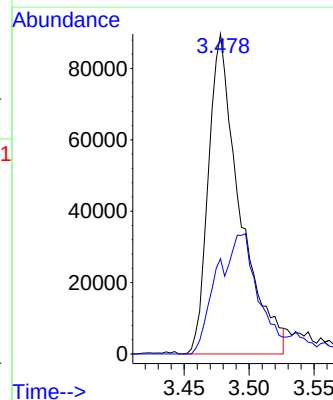
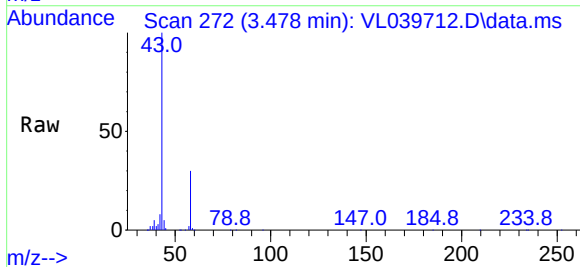
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

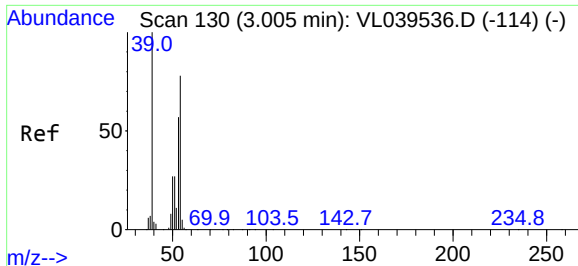
Tgt Ion: 45 Resp: 20777
Ion Ratio Lower Upper
45 100
46 43.3 22.8 91.2



#15
Acetone
Concen: 1.551 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.006 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 43 Resp: 150796
Ion Ratio Lower Upper
43 100
58 57.0 21.0 31.6#

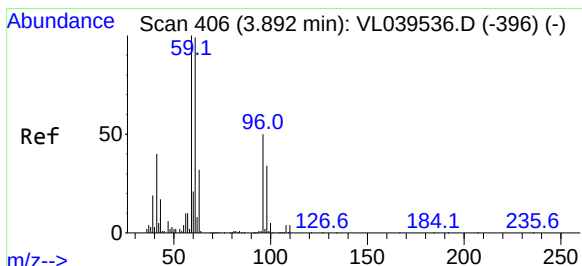
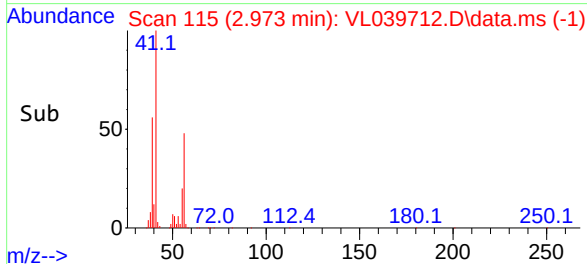
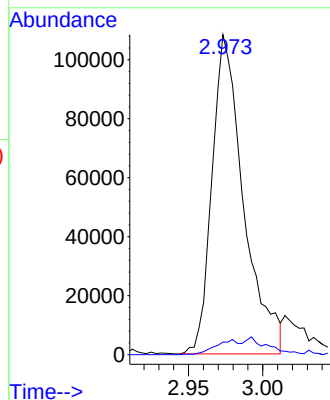
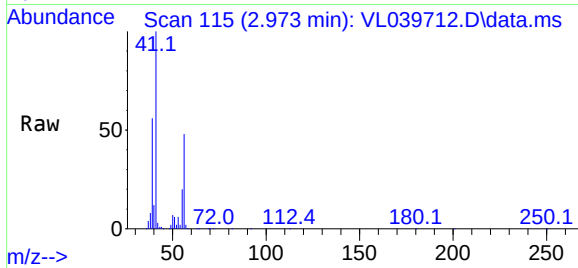




#16
1,3-Butadiene
Concen: 3.245 ppbv
RT: 2.973 min Scan# 115
Delta R.T. -0.032 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

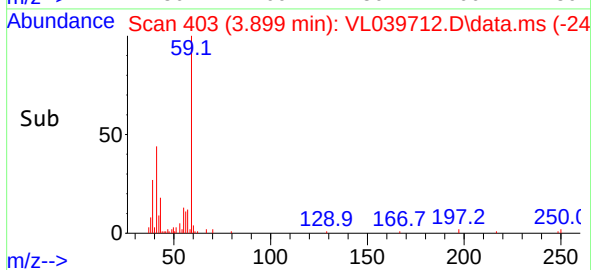
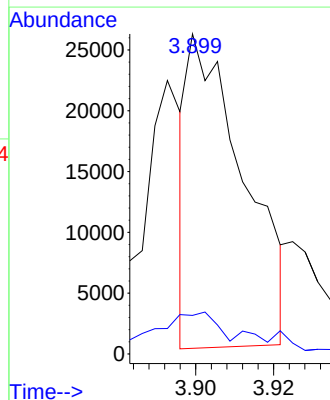
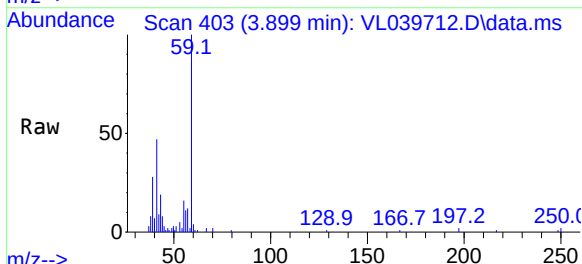
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

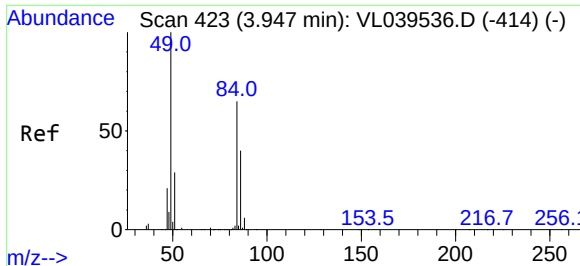
Tgt Ion: 39 Resp: 160064
Ion Ratio Lower Upper
39 100
54 8.0 63.7 95.5#



#17
tert-Butyl alcohol
Concen: 0.295 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.007 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 59 Resp: 25748
Ion Ratio Lower Upper
59 100
57 25.0 8.7 13.1#



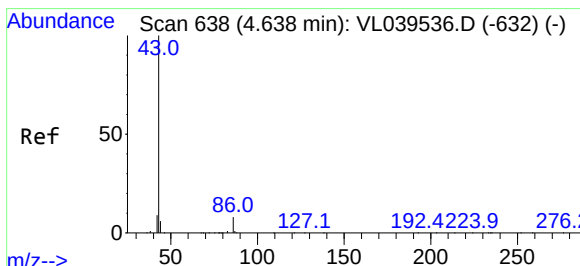
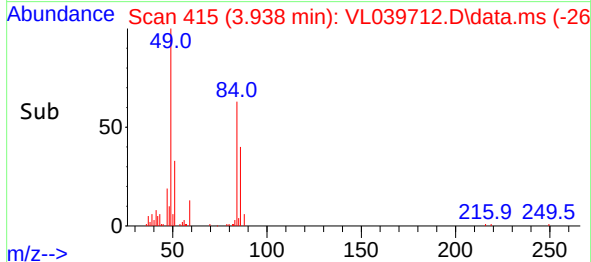
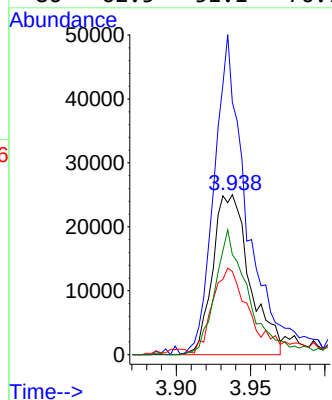
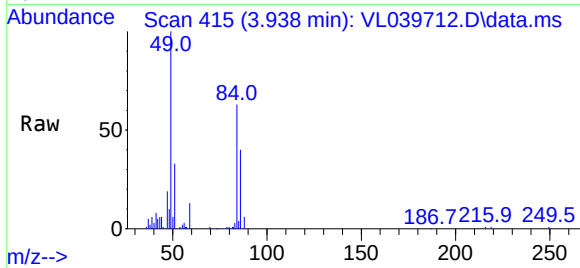


#20
Methylene Chloride
Concen: 0.966 ppbv
RT: 3.938 min Scan# 415
Delta R.T. -0.009 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion: 84 Resp: 43413

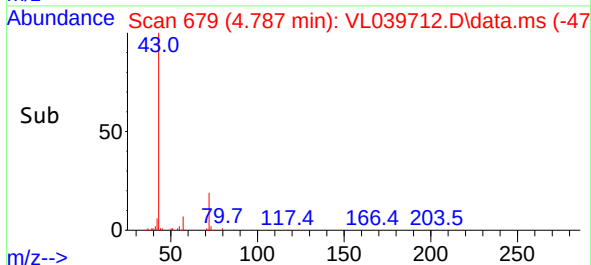
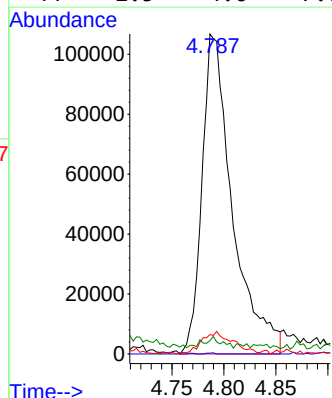
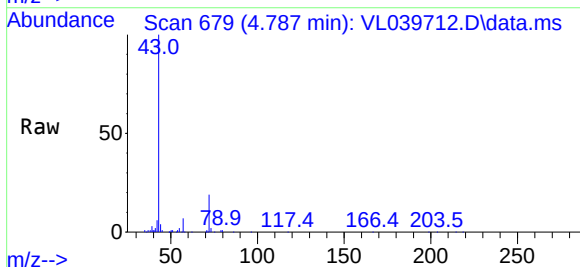
Ion	Ratio	Lower	Upper
84	100		
49	156.9	123.1	184.7
51	48.5	34.4	51.6
86	62.5	51.1	76.7

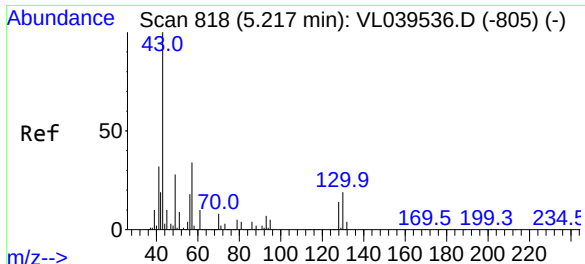


#23
Vinyl Acetate
Concen: 4.936 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.148 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 43 Resp: 216981

Ion	Ratio	Lower	Upper
43	100		
86	0.3	5.0	7.6#
42	5.7	7.7	11.5#
44	2.5	4.6	7.0#





#25

Ethyl Acetate

Concen: 0.096 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.012 min

Lab File: VL039712.D

Acq: 11 Oct 2022 9:23

Instrument :

MSVOA_L

ClientSampleId :

SVP-01DL

Tgt Ion: 43 Resp: 20375

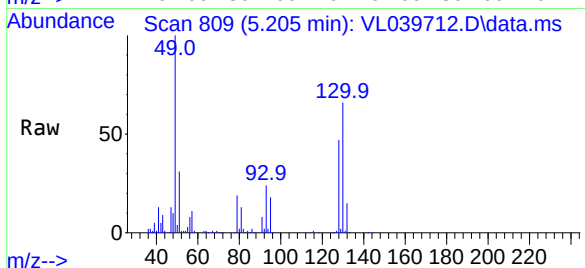
Ion Ratio Lower Upper

43 100

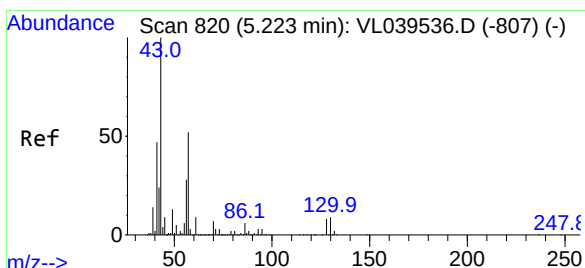
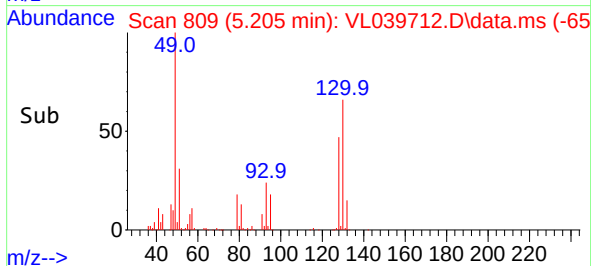
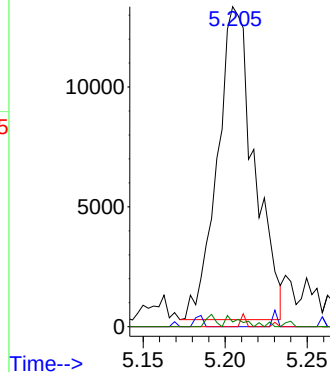
45 1.0 8.2 12.4#

61 0.0 8.3 12.5#

70 2.6 5.9 8.9#



Abundance



#26

Hexane

Concen: 0.188 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.019 min

Lab File: VL039712.D

Acq: 11 Oct 2022 9:23

Tgt Ion: 57 Resp: 16879

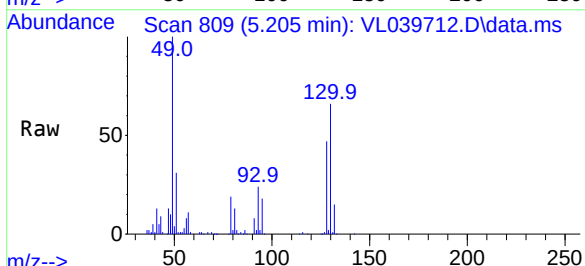
Ion Ratio Lower Upper

57 100

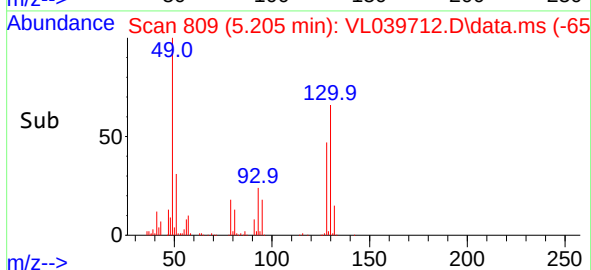
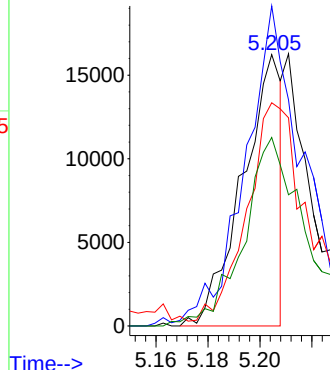
41 196.3 76.9 115.3#

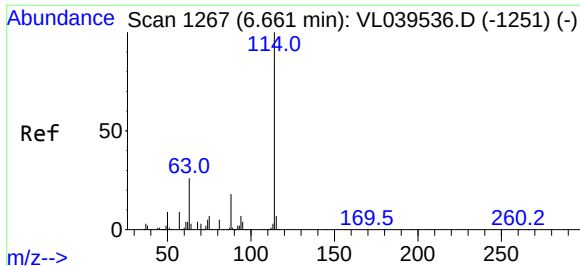
43 141.0 191.0 286.6#

56 113.3 43.2 64.8#



Abundance

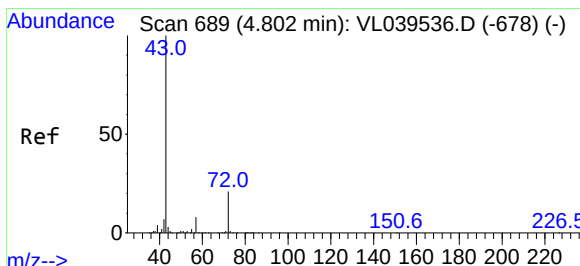
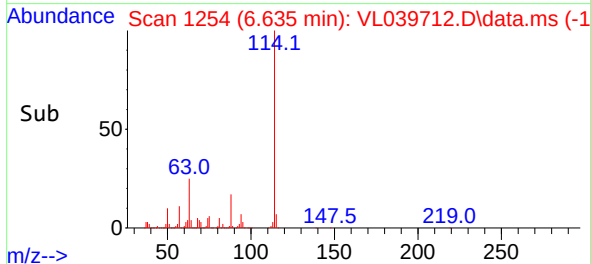
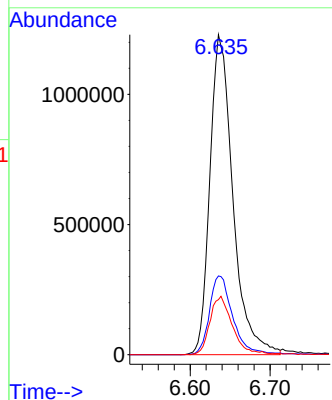
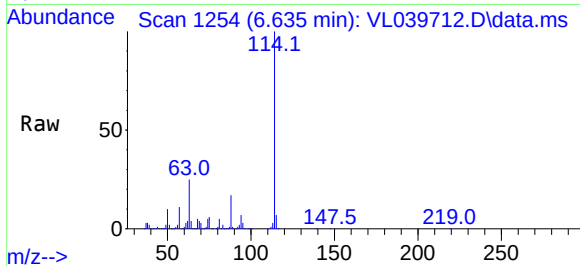




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 11
Delta R.T. -0.025 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

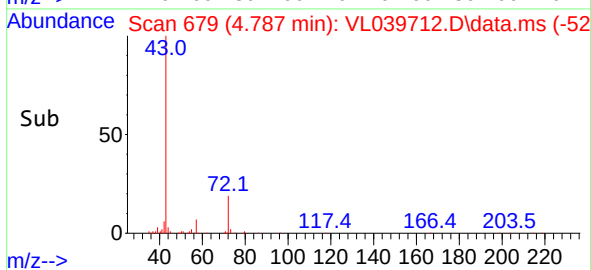
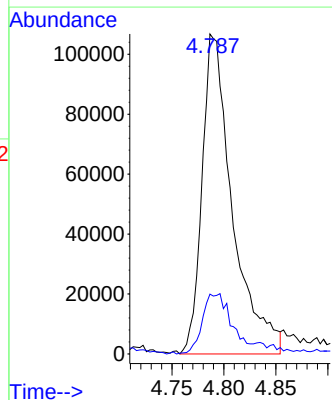
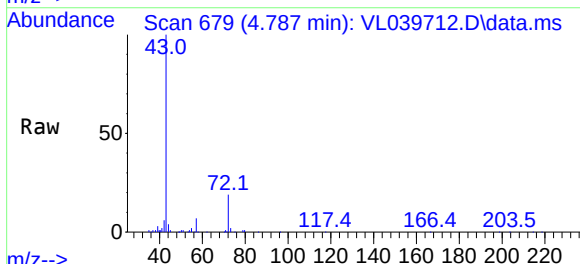
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

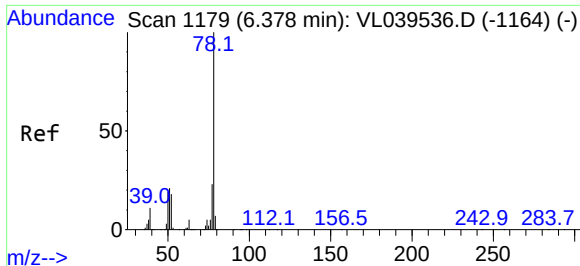
Tgt Ion:114 Resp: 2455101
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.4
88 18.2 14.5 21.7



#34
2-Butanone
Concen: 1.799 ppbv
RT: 4.787 min Scan# 679
Delta R.T. -0.016 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 43 Resp: 216981
Ion Ratio Lower Upper
43 100
72 20.5 17.9 26.9

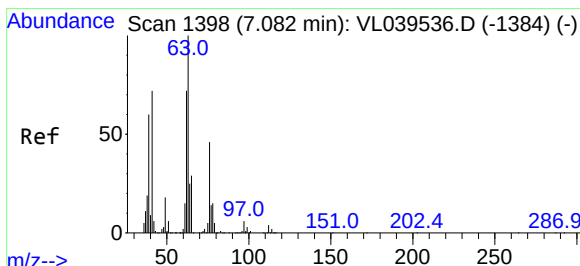
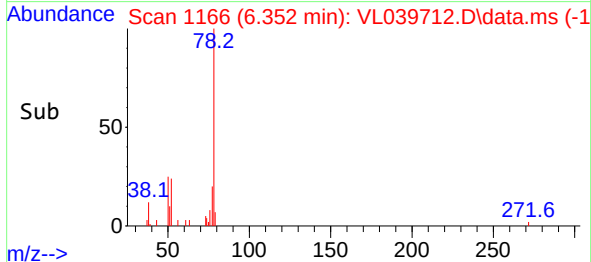
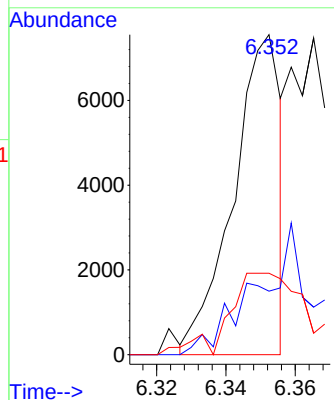
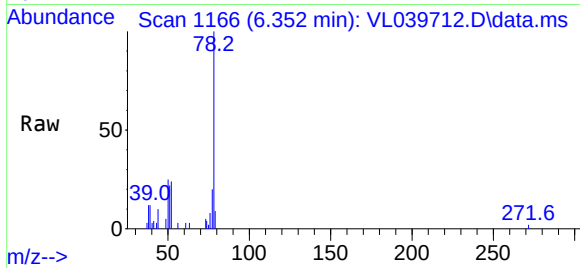




#36
Benzene
Concen: 0.038 ppbv
RT: 6.352 min Scan# 1179
Delta R.T. -0.025 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

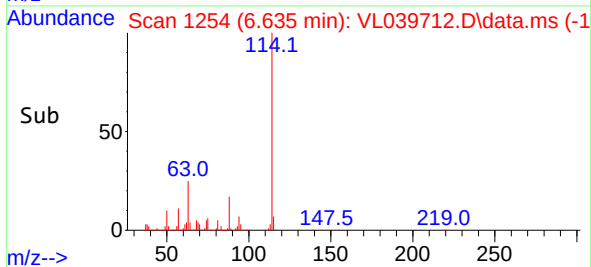
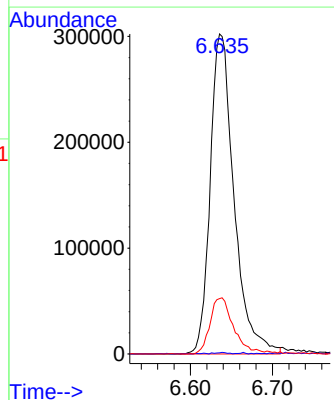
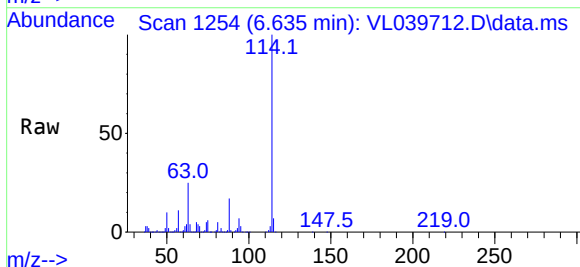
Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

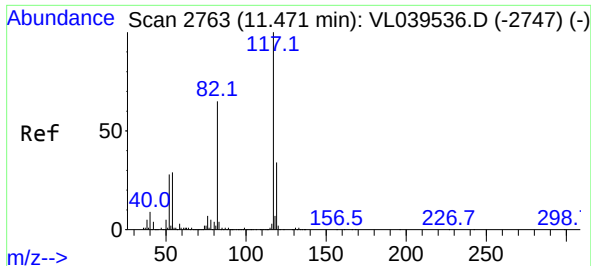
Tgt Ion: 78 Resp: 7162
Ion Ratio Lower Upper
78 100
77 17.3 20.3 30.5#
50 23.9 15.5 23.3#



#39
1,2-Dichloropropane
Concen: 8.413 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.446 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 63 Resp: 609803
Ion Ratio Lower Upper
63 100
41 0.3 59.6 89.4#
62 17.3 51.4 77.0#



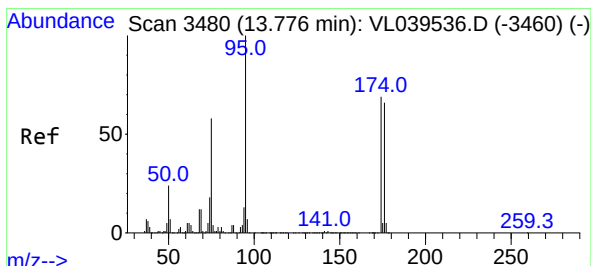
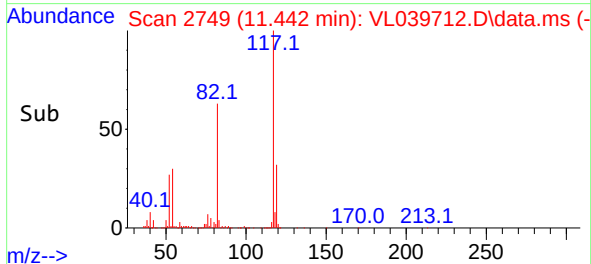
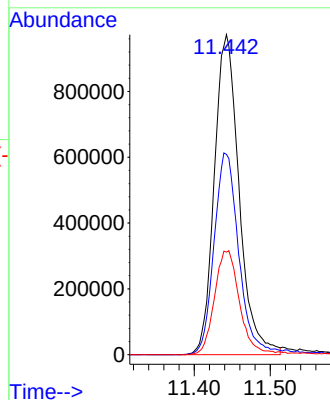
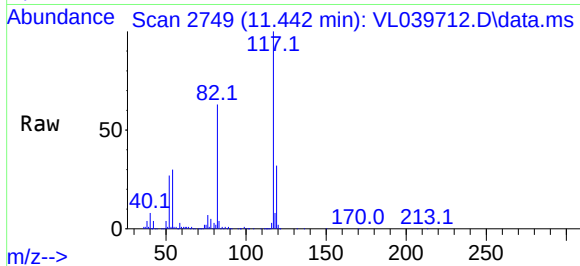


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.028 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Instrument :
MSVOA_L
ClientSampleId :
SVP-01DL

Tgt Ion:117 Resp: 2202464

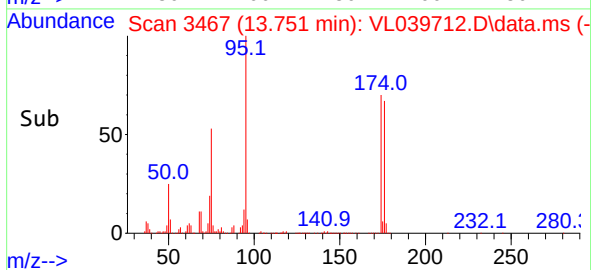
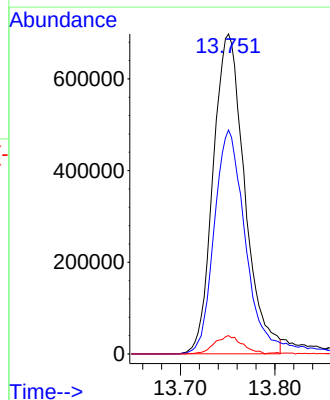
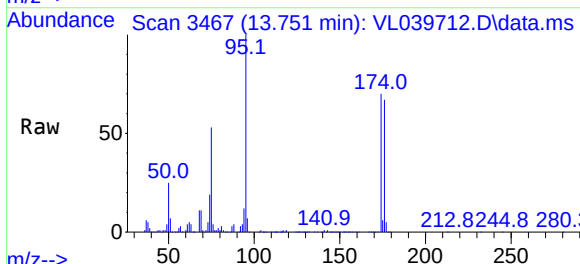
Ion	Ratio	Lower	Upper
117	100		
82	64.4	50.8	76.2
119	33.7	24.1	36.1

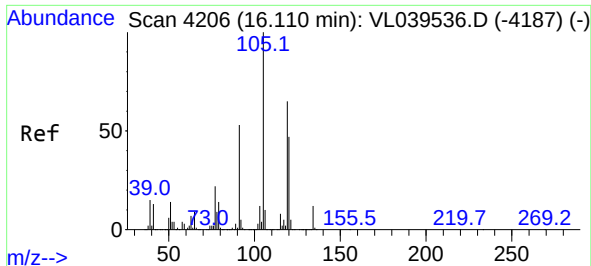


#68
1-Bromo-4-Fluorobenzene
Concen: 9.823 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.025 min
Lab File: VL039712.D
Acq: 11 Oct 2022 9:23

Tgt Ion: 95 Resp: 1615015

Ion	Ratio	Lower	Upper
95	100		
174	72.4	55.9	83.9
175	5.2	4.2	6.4





#74

1,2,4-Trimethylbenzene

Concen: 0.037 ppbv

RT: 16.082 min Scan# 41

Delta R.T. -0.028 min

Lab File: VL039712.D

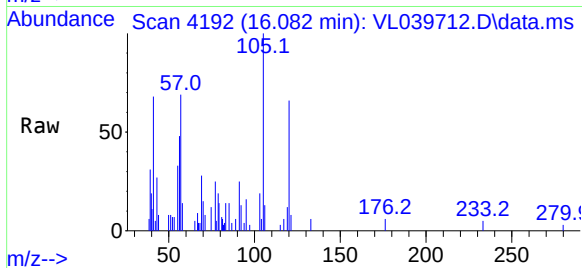
Acq: 11 Oct 2022 9:23

Instrument :

MSVOA_L

ClientSampleId :

SVP-01DL



Tgt Ion:105 Resp: 9291

Ion Ratio Lower Upper

105 100

120 66.1 39.5 59.3#

91 25.4 39.2 58.8#

77 20.2 17.2 25.8

