

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039931.D
 Acq On : 23 Nov 2022 00:43
 Operator : SY/AP
 Sample : N5767-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Nov 23 04:53:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.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

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

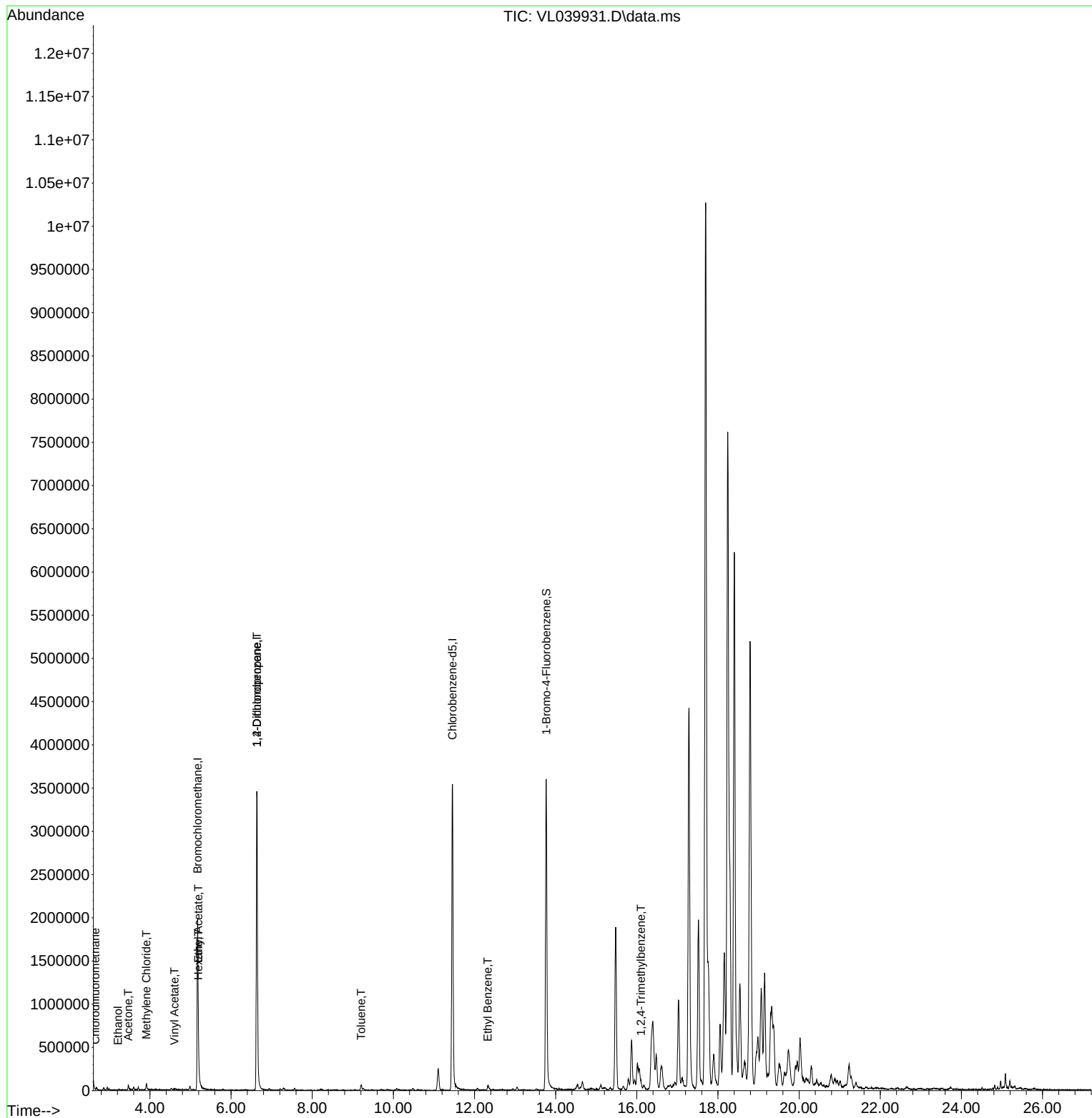
Internal Standards						
1) Bromochloromethane	5.176	49	971131	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	2713626	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2369554	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1834726	10.137	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.655	51	4049	0.030	ppbv	97
13) Ethanol	3.211	45	149	0.031	ppbv #	38
15) Acetone	3.465	43	43136	0.335	ppbv #	83
20) Methylene Chloride	3.912	84	22228	0.356	ppbv #	81
23) Vinyl Acetate	4.607	43	3847	0.073	ppbv #	1
25) Ethyl Acetate	5.192	43	31275	0.132	ppbv #	77
26) Hexane	5.195	57	75076	0.727	ppbv #	35
39) 1,2-Dichloropropane	6.636	63	662914	7.377	ppbv #	26
53) Toluene	9.208	91	47377	0.180	ppbv	100
58) Ethyl Benzene	12.327	91	17585	0.055	ppbv	91
74) 1,2,4-Trimethylbenzene	16.101	105	68158	0.244	ppbv #	67

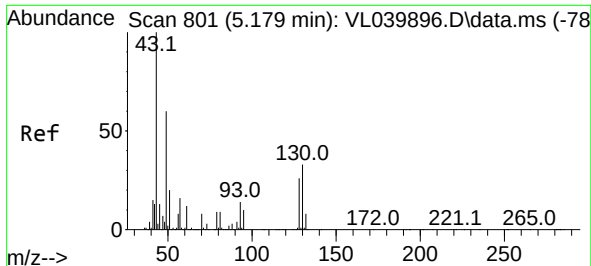
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 04:53:52 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

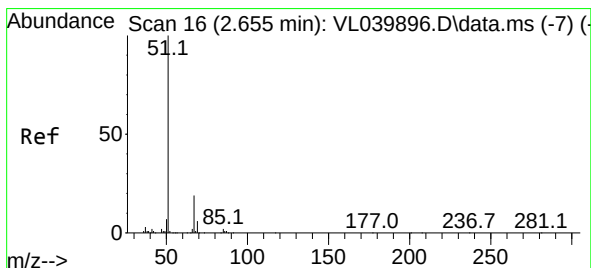
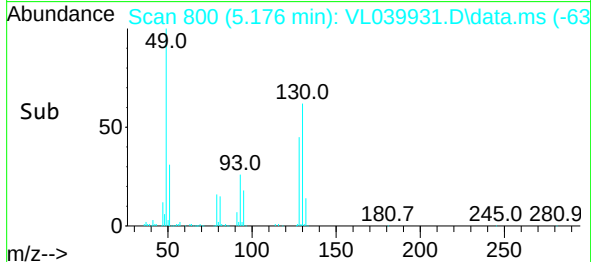
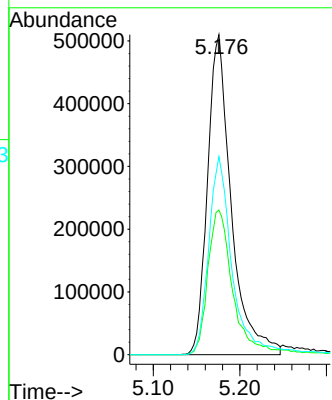
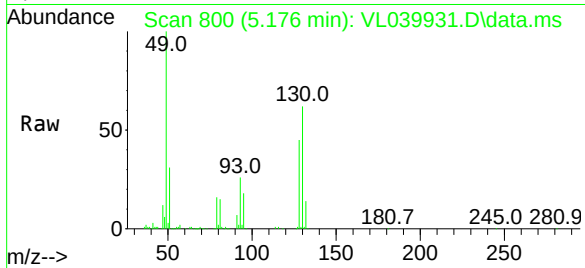




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.020 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

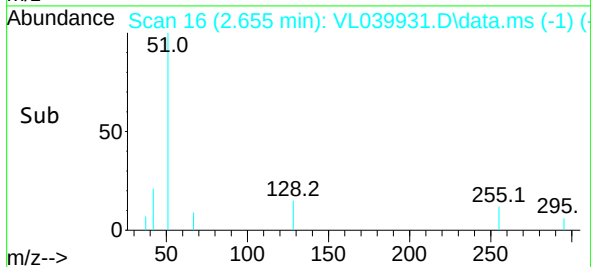
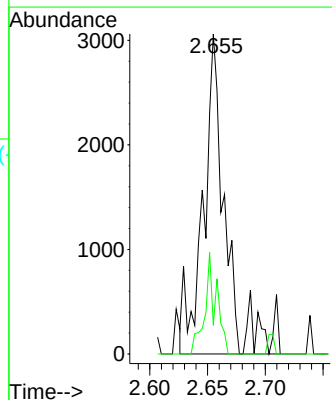
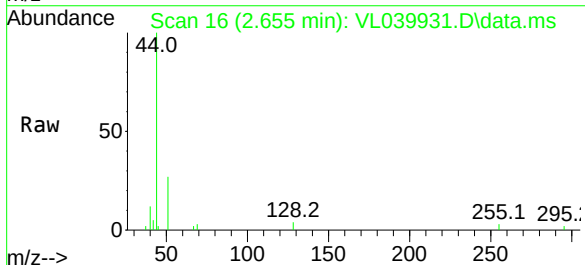
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

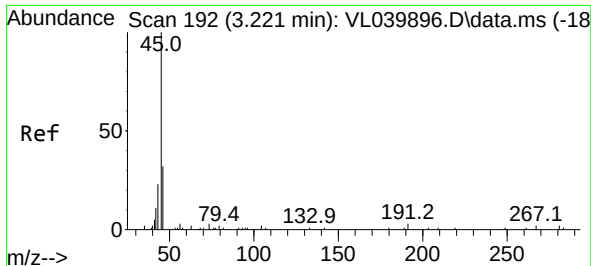
Tgt Ion: 49 Resp: 971131
Ion Ratio Lower Upper
49 100
128 48.9 22.1 66.3
130 62.5 27.7 83.1



#3
Chlorodifluoromethane
Concen: 0.030 ppbv
RT: 2.655 min Scan# 16
Delta R.T. 0.013 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

Tgt Ion: 51 Resp: 4049
Ion Ratio Lower Upper
51 100
67 16.7 14.2 21.4

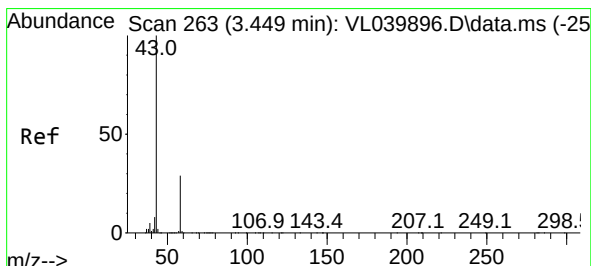
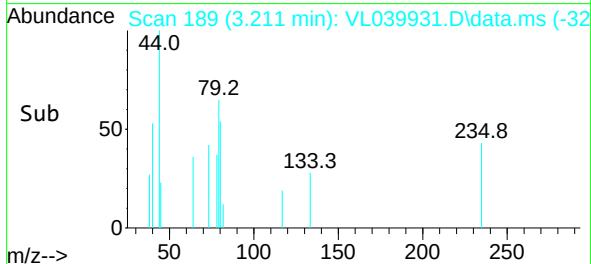
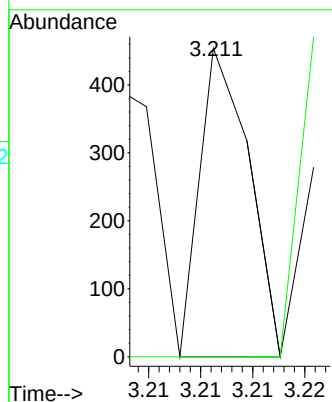
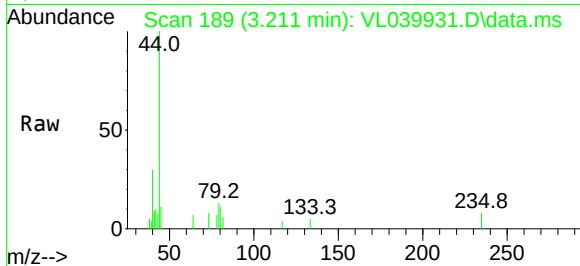




#13
Ethanol
Concen: 0.031 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

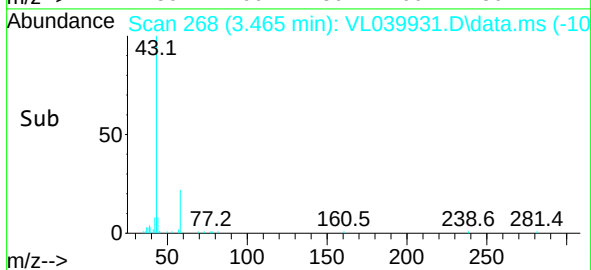
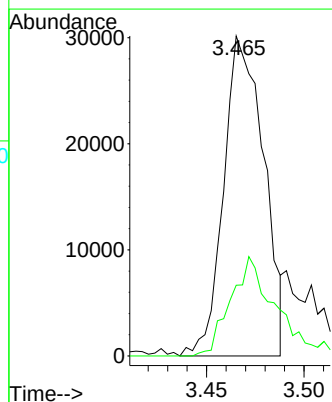
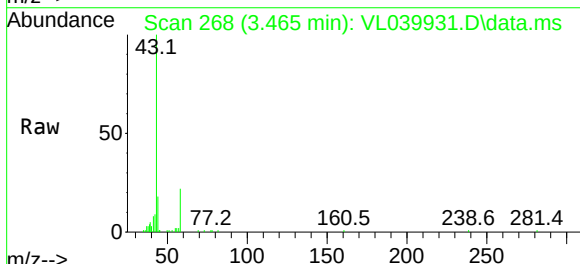
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

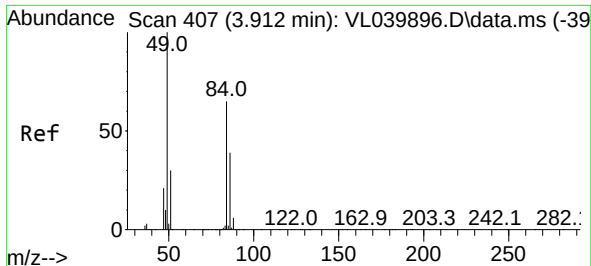
Tgt Ion: 45 Resp: 149
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#15
Acetone
Concen: 0.335 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.032 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

Tgt Ion: 43 Resp: 43136
Ion Ratio Lower Upper
43 100
58 37.5 22.9 34.3#

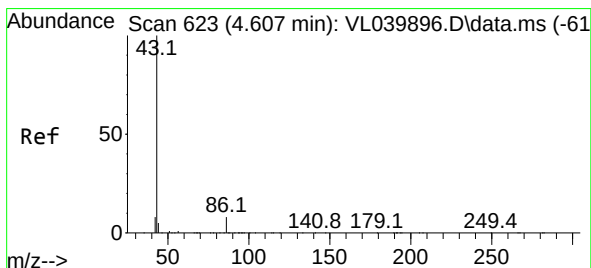
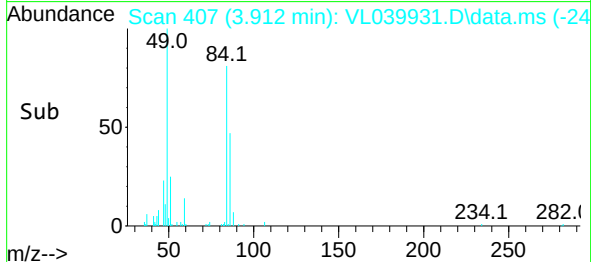
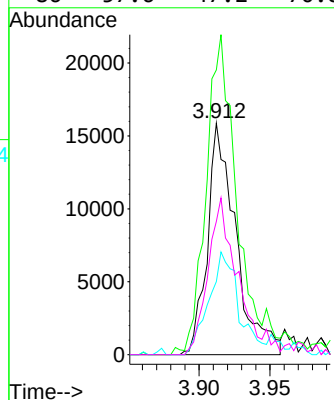
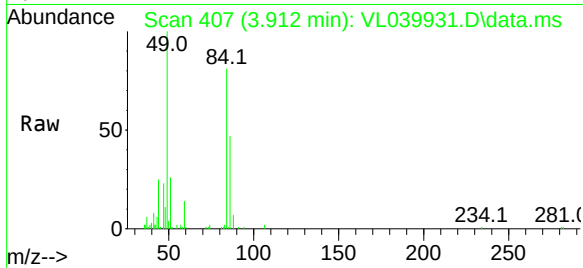




#20
Methylene Chloride
Concen: 0.356 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.013 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

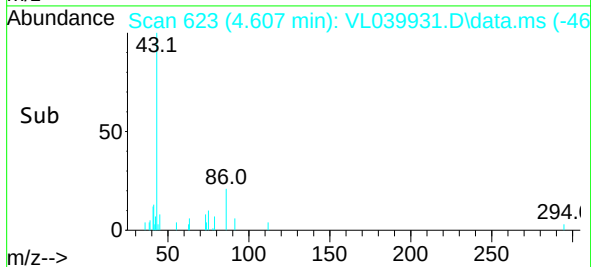
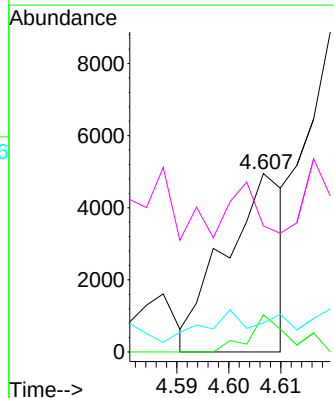
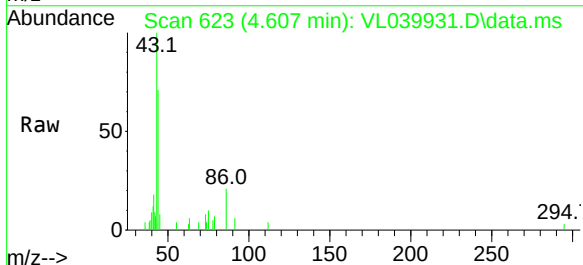
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

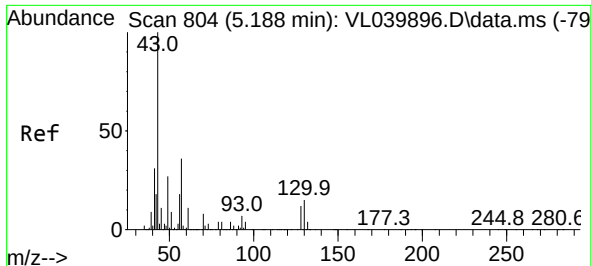
Tgt Ion: 84 Resp: 22228
Ion Ratio Lower Upper
84 100
49 121.0 122.2 183.4#
51 31.6 36.3 54.5#
86 57.6 47.2 70.8



#23
Vinyl Acetate
Concen: 0.073 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.016 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

Tgt Ion: 43 Resp: 3847
Ion Ratio Lower Upper
43 100
86 84.6 5.0 7.4#
42 21.6 7.6 11.4#
44 32.8 3.8 5.6#

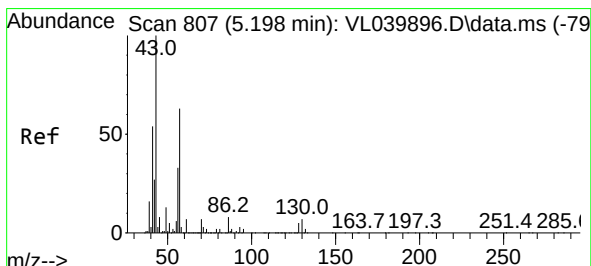
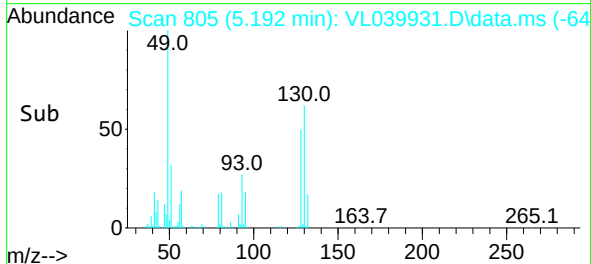
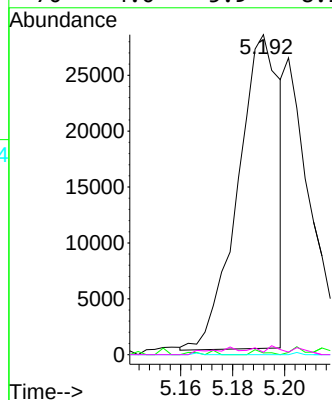
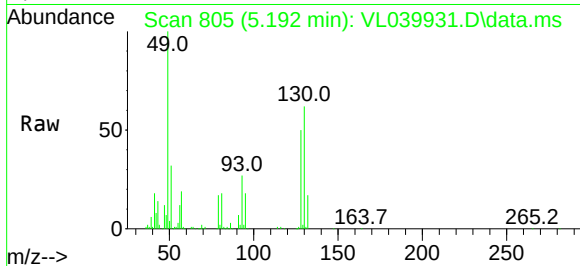




#25
Ethyl Acetate
Concen: 0.132 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.023 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

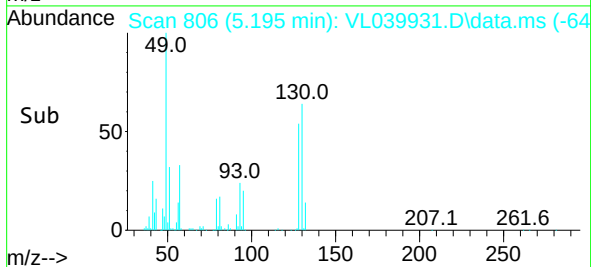
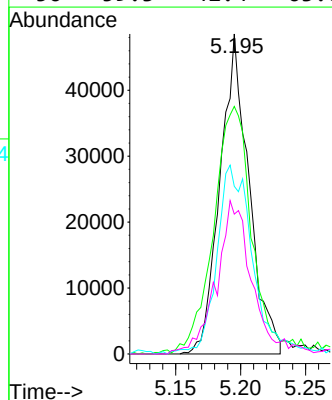
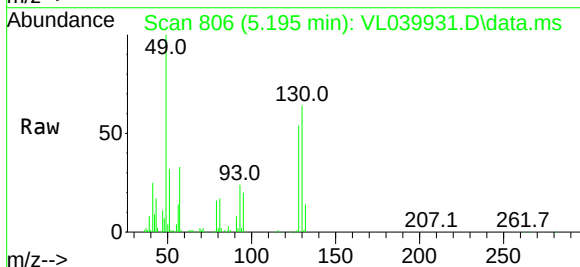
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

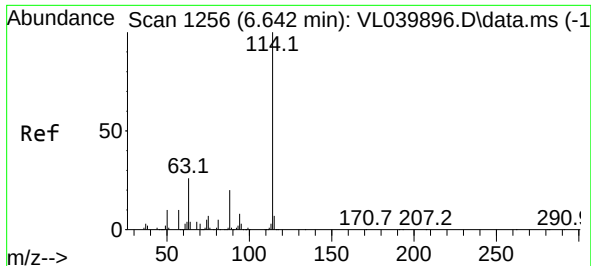
Tgt Ion: 43 Resp: 31275
Ion Ratio Lower Upper
43 100
45 0.7 8.4 12.6#
61 0.0 8.5 12.7#
70 4.0 5.9 8.9#



#26
Hexane
Concen: 0.727 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.013 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

Tgt Ion: 57 Resp: 75076
Ion Ratio Lower Upper
57 100
41 107.8 72.3 108.5
43 74.1 188.7 283.1#
56 59.3 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.636 min Scan# 1254

Delta R.T. 0.016 min

Lab File: VL039931.D

Acq: 23 Nov 2022 00:43

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

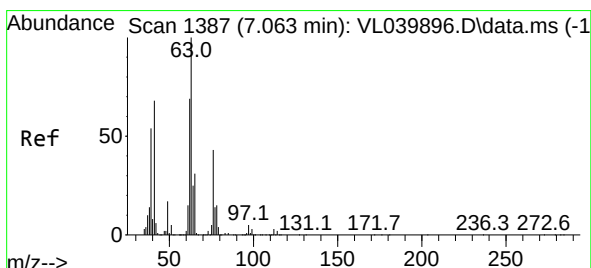
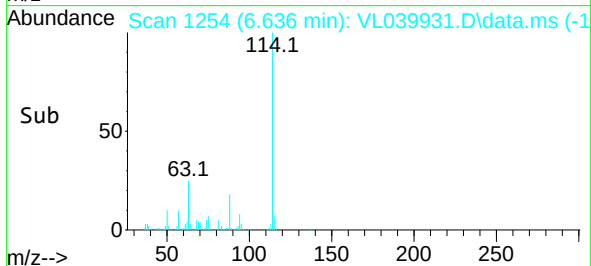
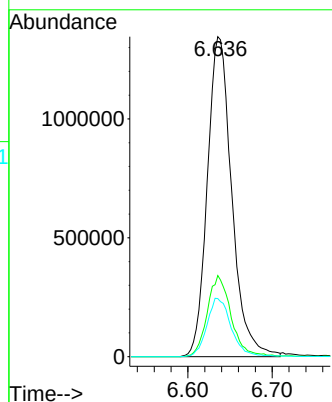
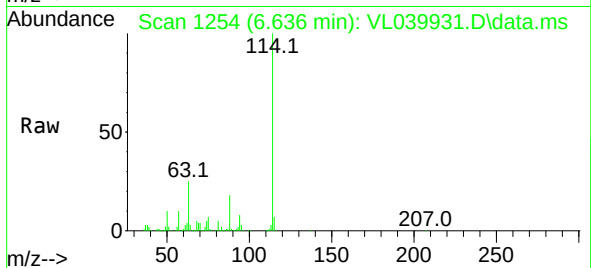
Tgt Ion:114 Resp: 2713626

Ion Ratio Lower Upper

114 100

63 25.1 21.4 32.0

88 18.3 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.377 ppbv

RT: 6.636 min Scan# 1254

Delta R.T. -0.405 min

Lab File: VL039931.D

Acq: 23 Nov 2022 00:43

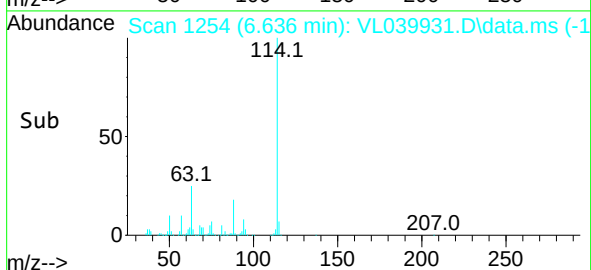
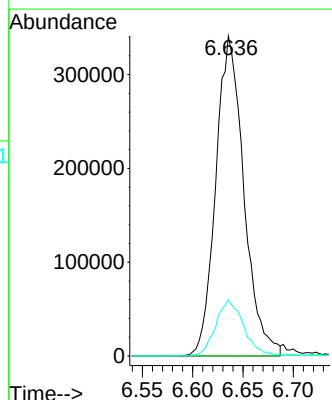
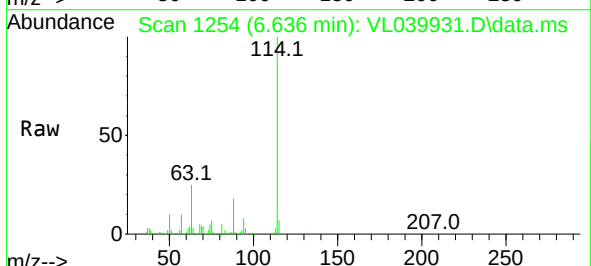
Tgt Ion: 63 Resp: 662914

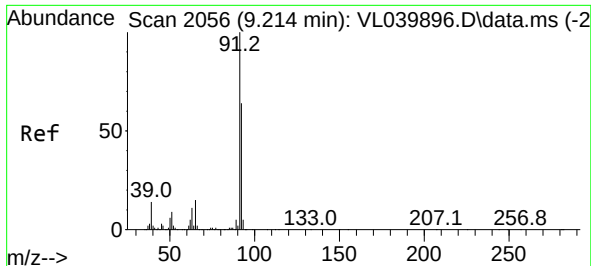
Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 17.6 55.0 82.6#

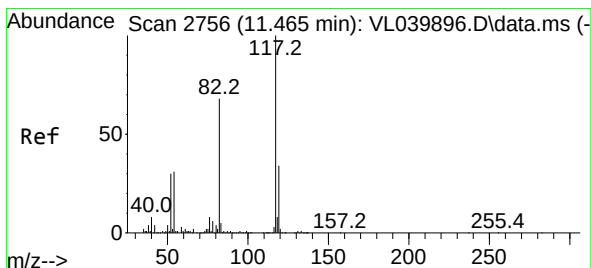
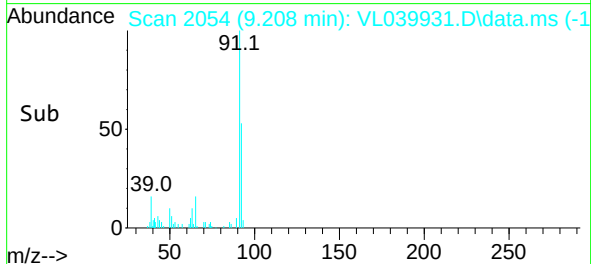
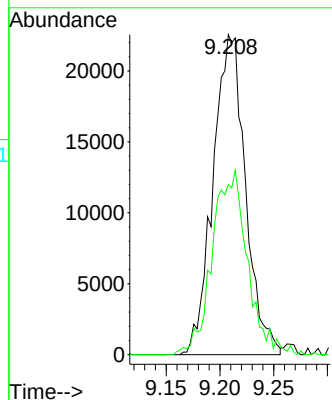
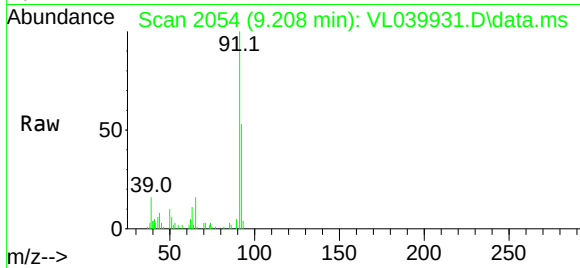




#53
Toluene
Concen: 0.180 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. 0.016 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

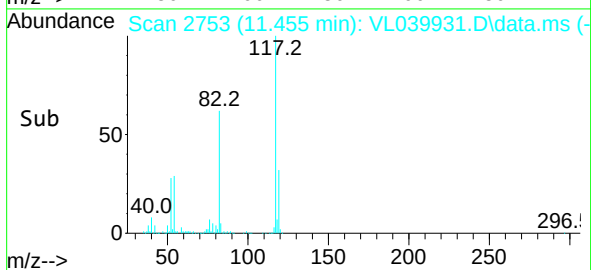
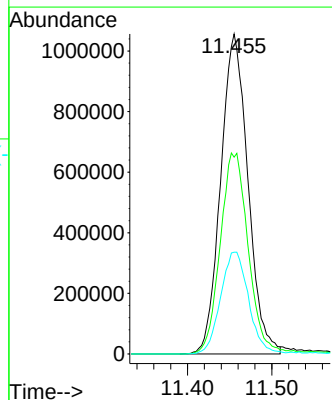
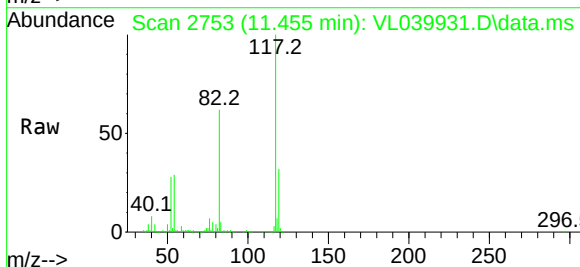
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

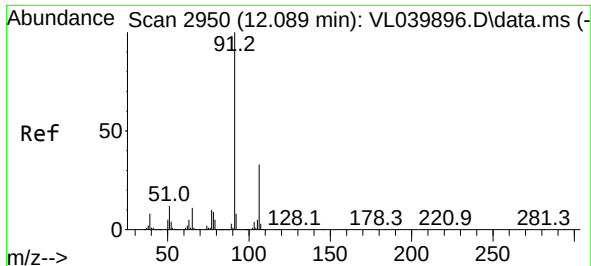
Tgt Ion: 91 Resp: 47377
Ion Ratio Lower Upper
91 100
92 62.3 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.016 min
Lab File: VL039931.D
Acq: 23 Nov 2022 00:43

Tgt Ion: 117 Resp: 2369554
Ion Ratio Lower Upper
117 100
82 66.1 52.3 78.5
119 33.3 25.7 38.5





#58

Ethyl Benzene

Concen: 0.055 ppbv

RT: 12.327 min Scan# 3024

Delta R.T. 0.264 min

Lab File: VL039931.D

Acq: 23 Nov 2022 00:43

Instrument :

MSVOA_L

ClientSampleId :

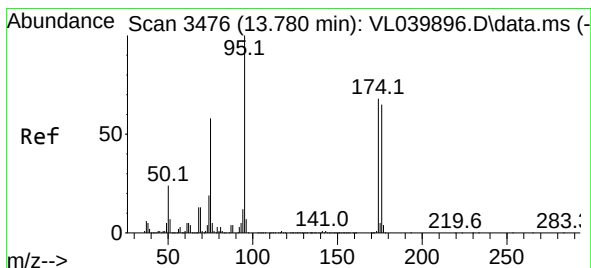
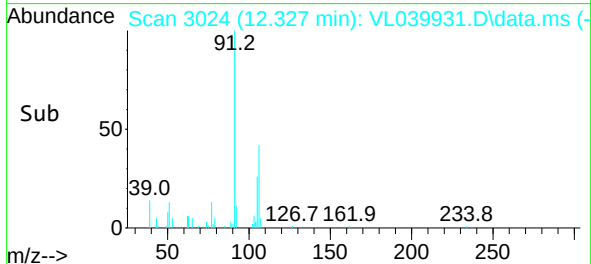
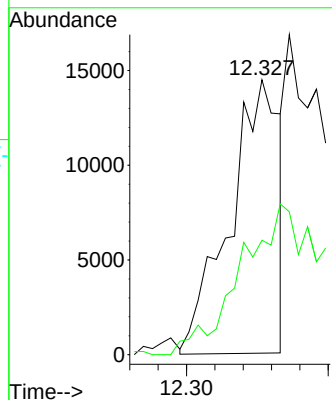
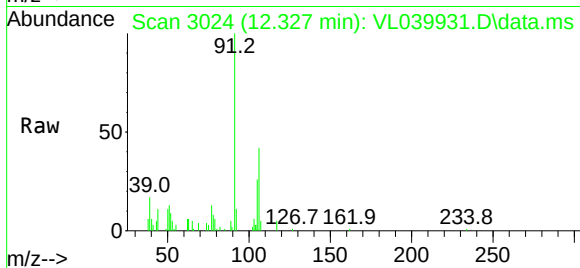
SV1DL

Tgt Ion: 91 Resp: 17585

Ion Ratio Lower Upper

91 100

106 37.5 26.1 39.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.137 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.013 min

Lab File: VL039931.D

Acq: 23 Nov 2022 00:43

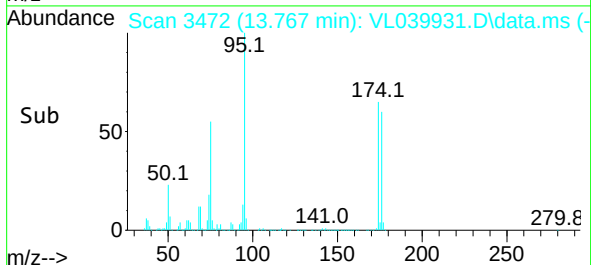
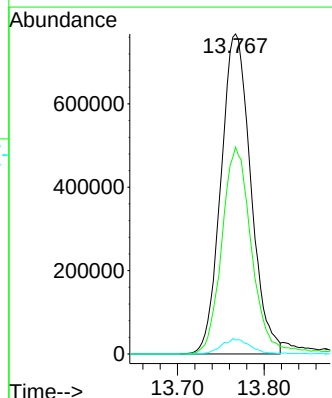
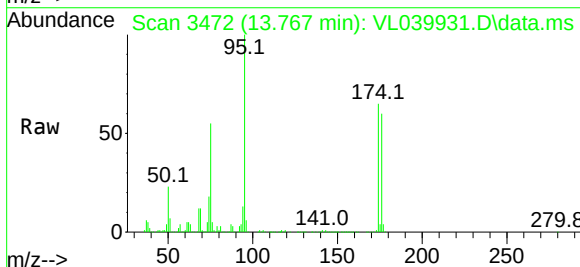
Tgt Ion: 95 Resp: 1834726

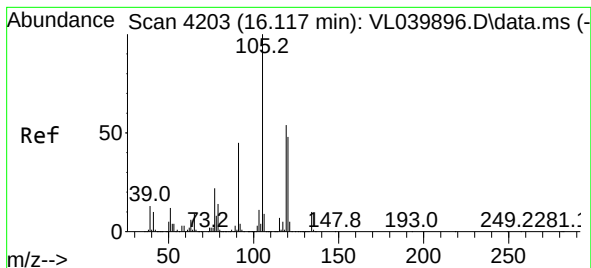
Ion Ratio Lower Upper

95 100

174 65.8 53.7 80.5

175 4.7 4.0 6.0





#74

1,2,4-Trimethylbenzene

Concen: 0.244 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL039931.D

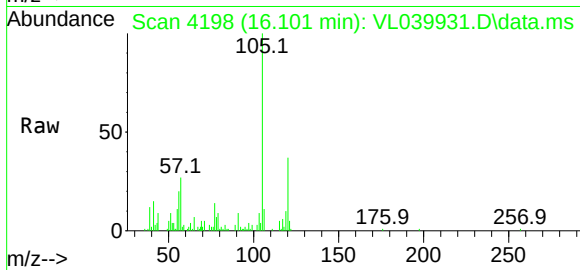
Acq: 23 Nov 2022 00:43

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion:105 Resp: 68158

Ion Ratio Lower Upper

105 100

120 35.7 38.7 58.1#

91 9.2 36.4 54.6#

77 13.1 17.4 26.0#

