

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110322\
 Data File : VL039825.D
 Acq On : 3 Nov 2022 14:34
 Operator : SY/AP
 Sample : N5409-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E062-1100DUP

Quant Time: Nov 04 08:44:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

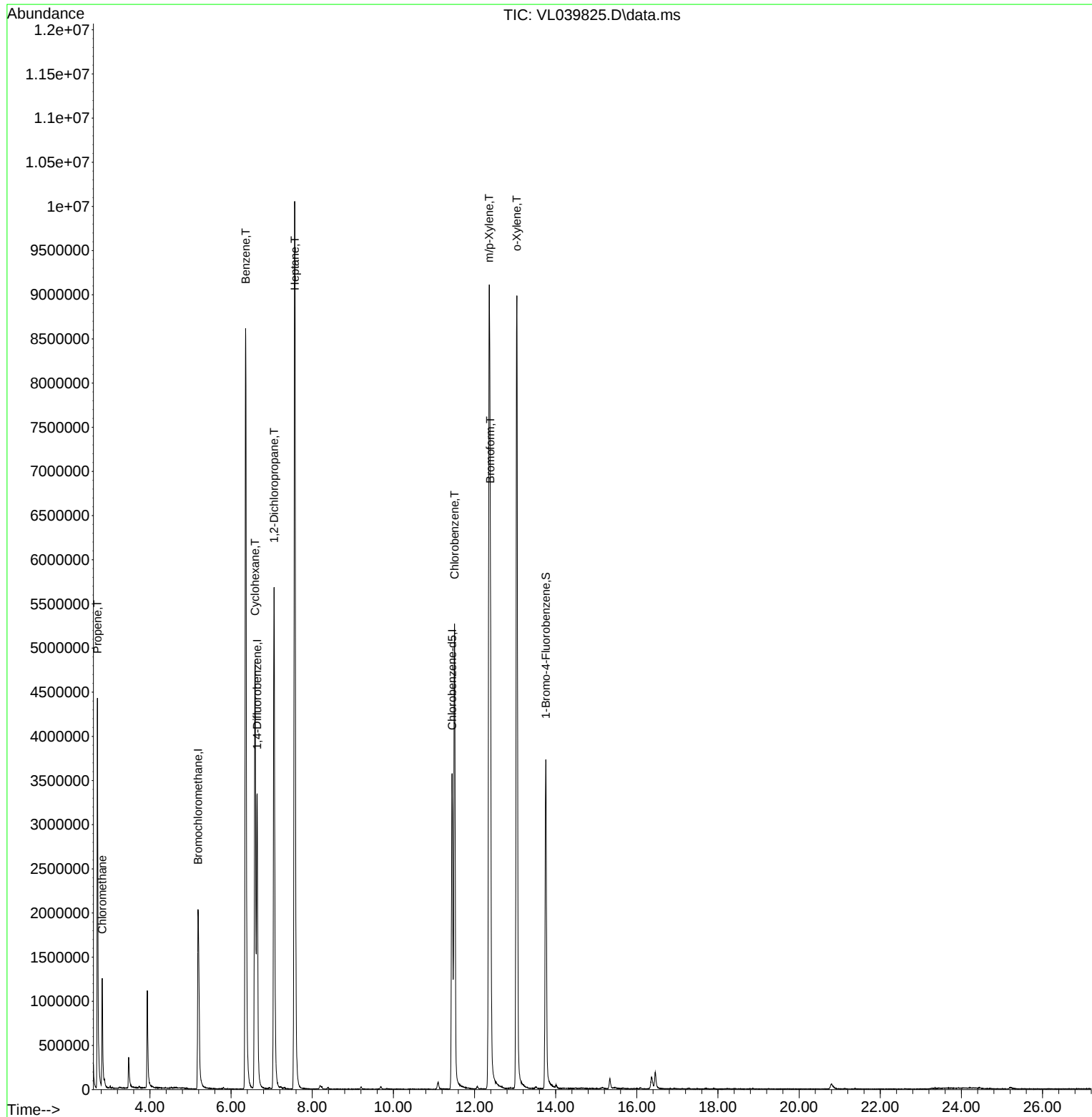
Internal Standards							
1) Bromochloromethane		5.185	49	961082	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.642	114	2712353	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.445	117	2507205	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.760	95	2053709	10.944	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 109.400%	
Target Compounds							
							Qvalue
4) Chloromethane		2.825	50	1199427	16.813	ppbv	99
9) Propene		2.706	41	2102396	35.218	ppbv	99
10) Heptane		7.568	43	5459366	38.175	ppbv	98
30) Cyclohexane		6.590	84	1943953	21.637	ppbv	93
36) Benzene		6.359	78	8188409	35.789	ppbv	94
39) 1,2-Dichloropropane		7.060	63	2387655	26.784	ppbv	96
49) Bromoform		12.391	173	3492009	28.245	ppbv	99
57) Chlorobenzene		11.507	112	3630495	19.090	ppbv	97
59) m/p-Xylene		12.359	91	6951007	24.564	ppbv	98
60) o-Xylene		13.043	91	7720000	28.795	ppbv	97

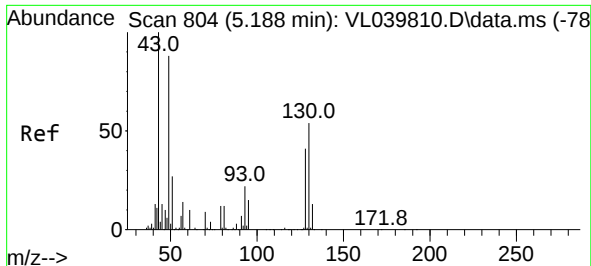
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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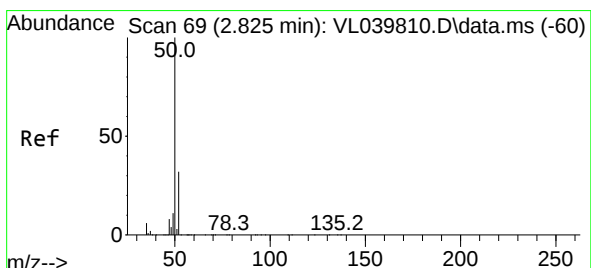
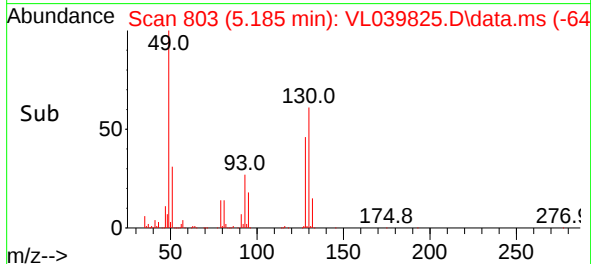
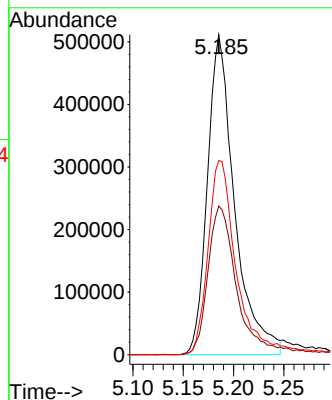
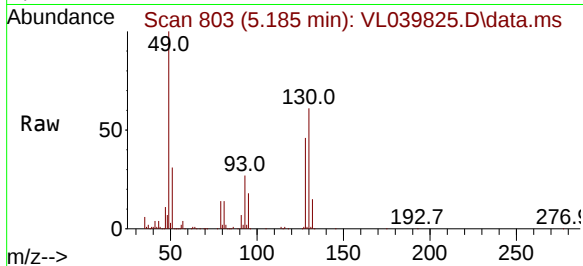




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

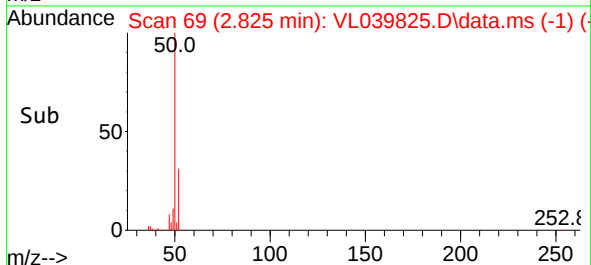
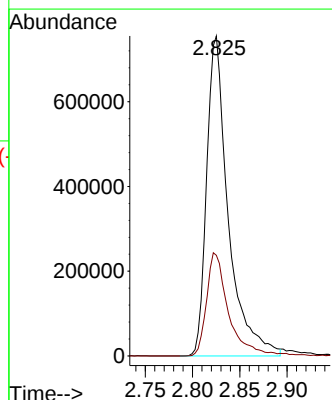
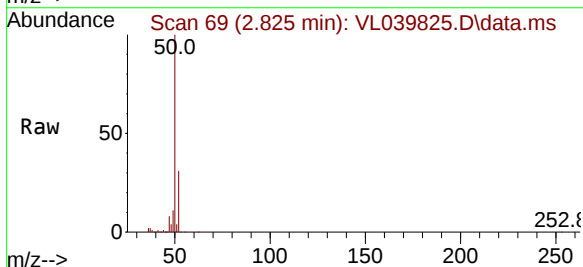
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DUP

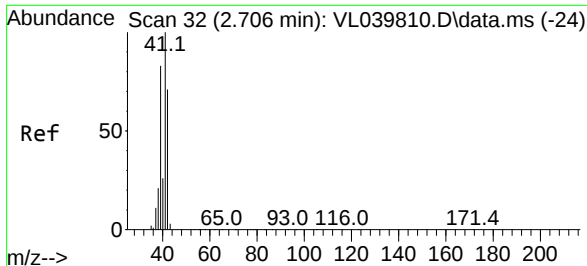
Tgt Ion: 49 Resp: 961082
Ion Ratio Lower Upper
49 100
128 51.5 24.6 73.6
130 66.2 31.1 93.2



#4
Chloromethane
Concen: 16.813 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.000 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

Tgt Ion: 50 Resp: 1199427
Ion Ratio Lower Upper
50 100
52 31.5 25.5 38.3

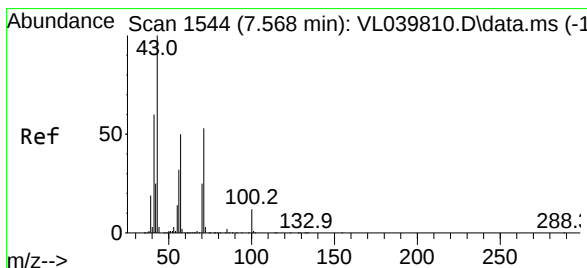
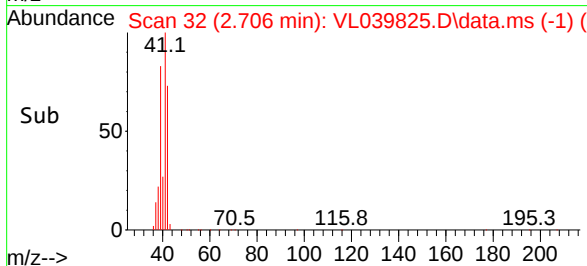
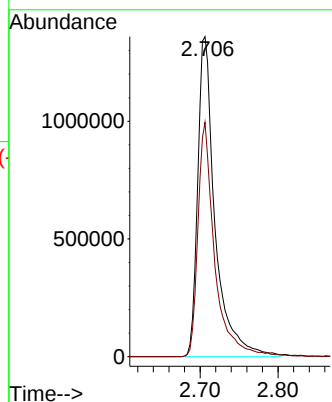
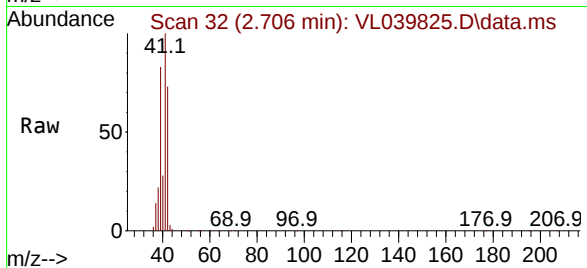




#9
 Propene
 Concen: 35.218 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VL039825.D
 Acq: 3 Nov 2022 14:34

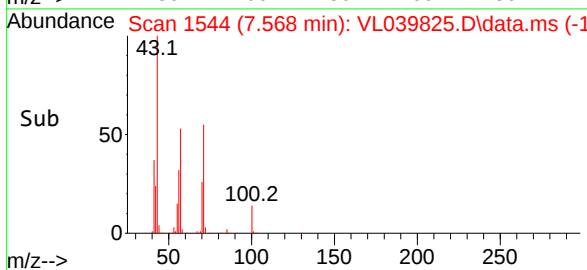
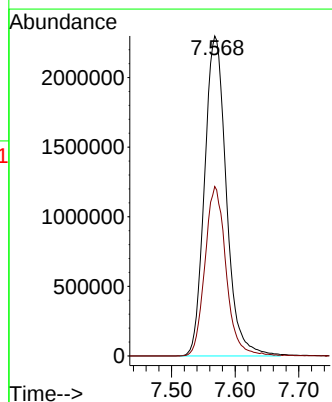
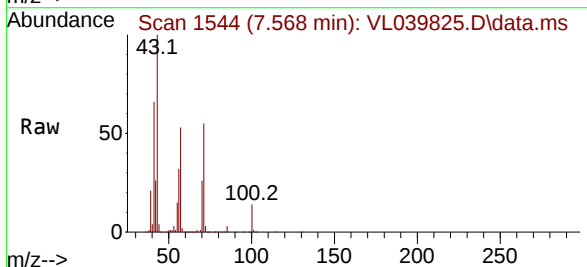
Instrument :
 MSVOA_L
 ClientSampleId :
 E062-1100DUP

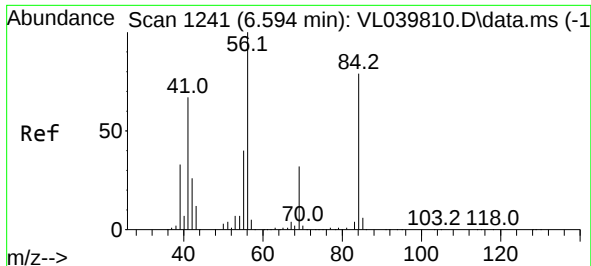
Tgt Ion: 41 Resp: 2102396
 Ion Ratio Lower Upper
 41 100
 42 71.0 56.3 84.5



#10
 Heptane
 Concen: 38.175 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.000 min
 Lab File: VL039825.D
 Acq: 3 Nov 2022 14:34

Tgt Ion: 43 Resp: 5459366
 Ion Ratio Lower Upper
 43 100
 57 51.6 40.5 60.7



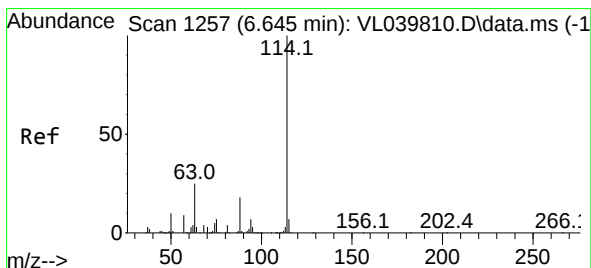
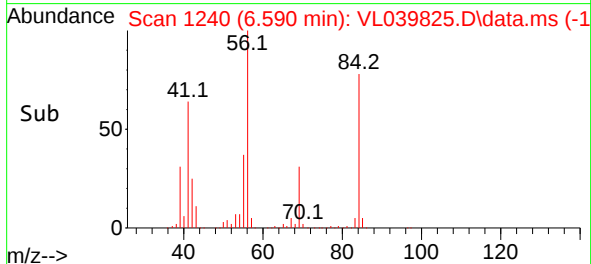
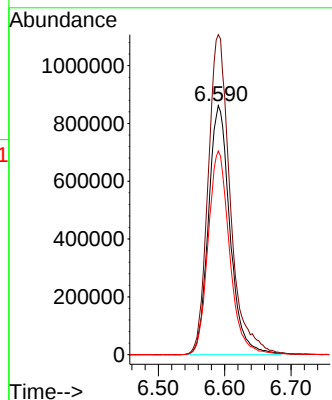
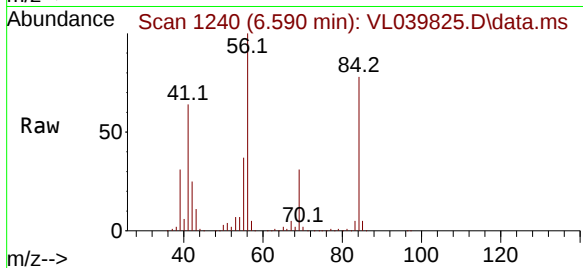


#30
Cyclohexane
Concen: 21.637 ppbv
RT: 6.590 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

Instrument :
MSVOA_L
ClientSampleId :
E062-1100DUP

Tgt Ion: 84 Resp: 1943953

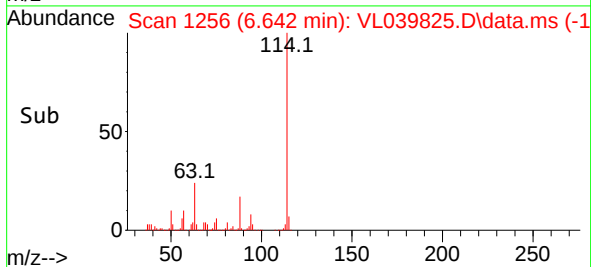
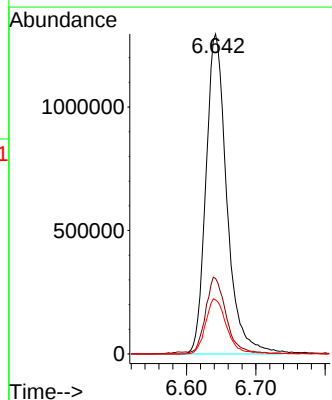
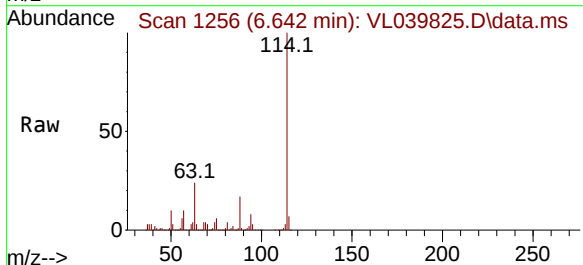
Ion	Ratio	Lower	Upper
84	100		
56	132.3	114.8	172.2
41	82.0	68.6	103.0

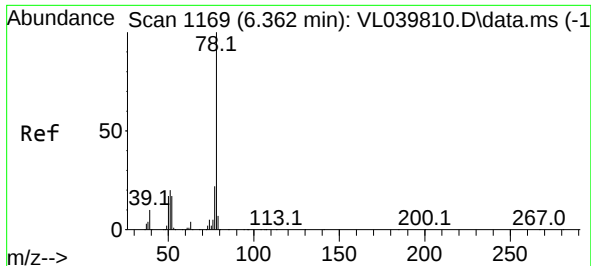


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.003 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

Tgt Ion: 114 Resp: 2712353

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.8	29.6
88	17.4	14.4	21.6





#36

Benzene

Concen: 35.789 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VL039825.D

Acq: 3 Nov 2022 14:34

Instrument :

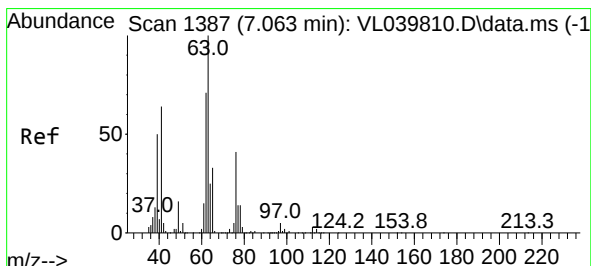
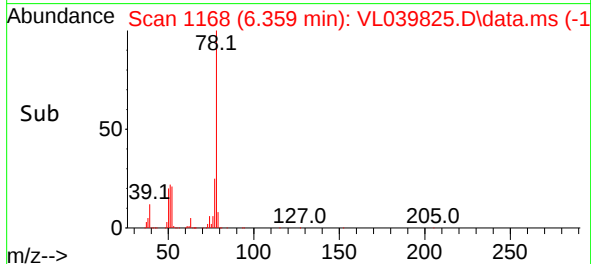
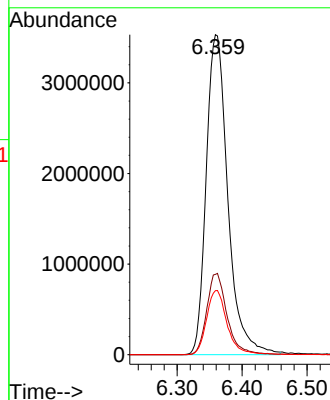
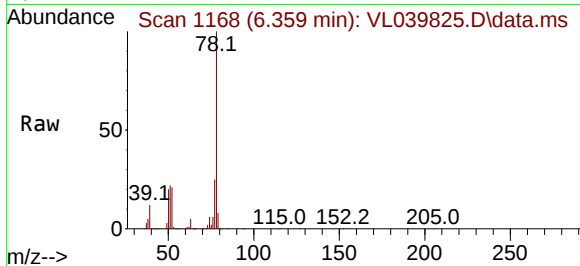
MSVOA_L

ClientSampleId :

E062-1100DUP

Tgt Ion: 78 Resp: 8188409

Ion	Ratio	Lower	Upper
78	100		
77	25.1	17.4	26.2
50	20.0	13.9	20.9



#39

1,2-Dichloropropane

Concen: 26.784 ppbv

RT: 7.060 min Scan# 1386

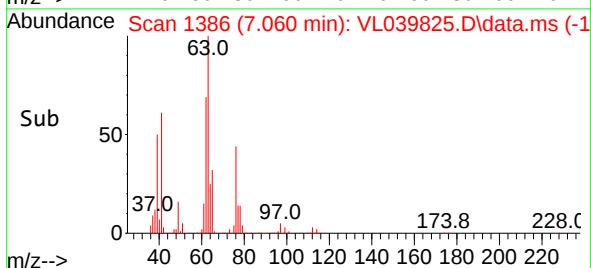
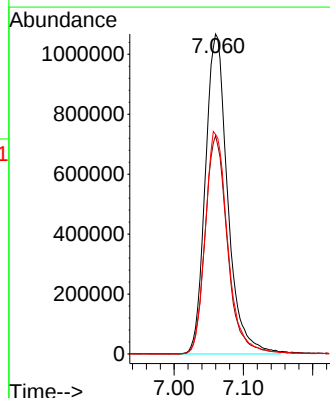
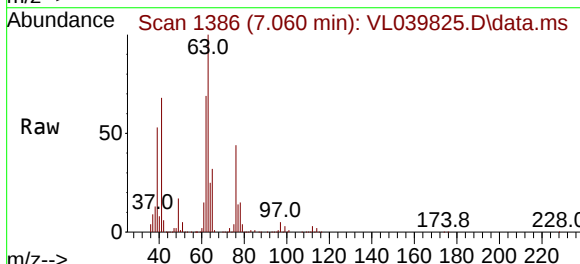
Delta R.T. -0.003 min

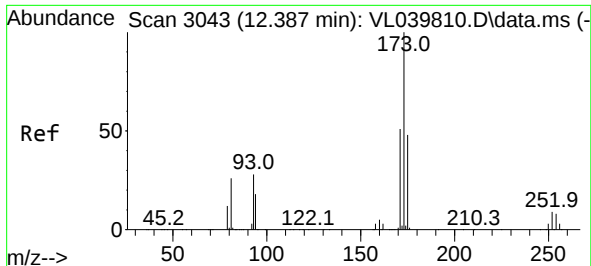
Lab File: VL039825.D

Acq: 3 Nov 2022 14:34

Tgt Ion: 63 Resp: 2387655

Ion	Ratio	Lower	Upper
63	100		
41	68.2	51.0	76.4
62	68.4	56.6	85.0

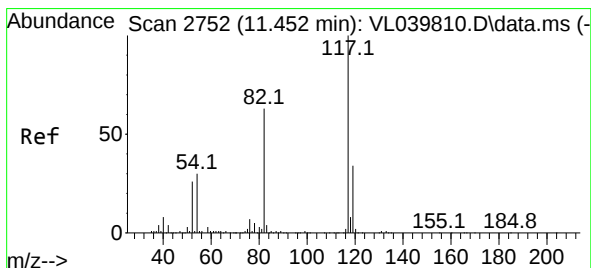
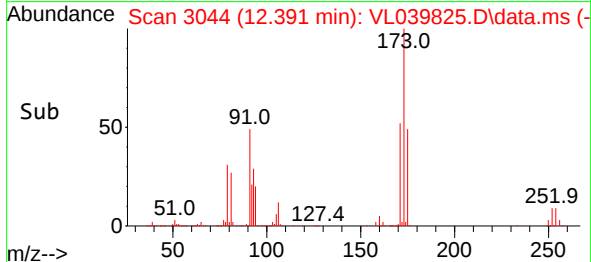
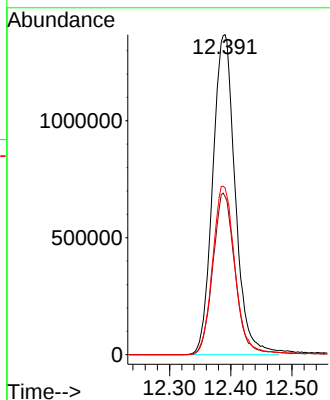
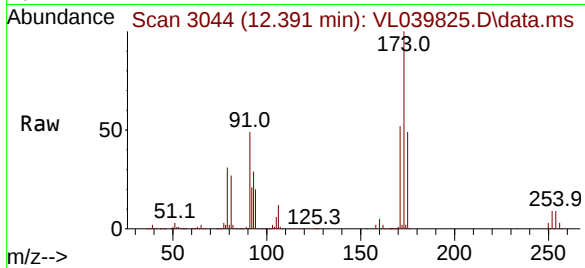




#49
Bromoform
Concen: 28.245 ppbv
RT: 12.391 min Scan# 3044
Delta R.T. 0.003 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

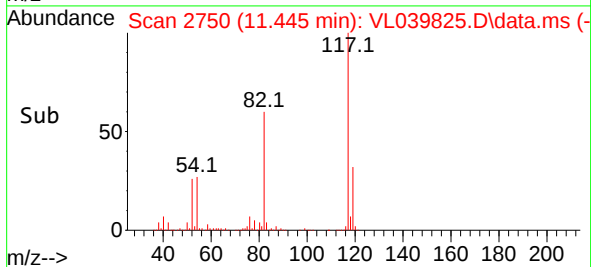
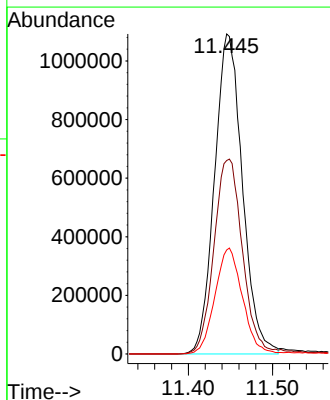
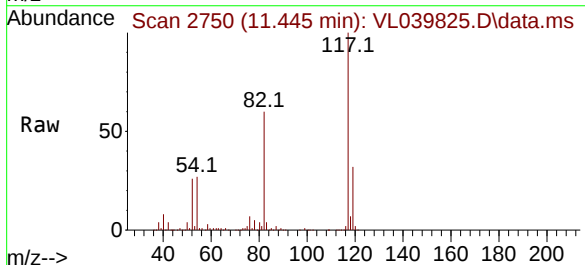
Instrument :
MSVOA_L
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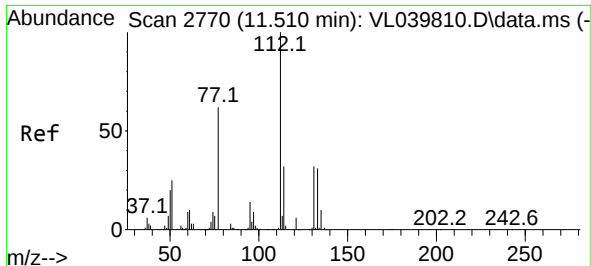
Tgt Ion:173 Resp: 3492009
Ion Ratio Lower Upper
173 100
175 50.5 39.7 59.5
171 53.3 41.7 62.5



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 2750
Delta R.T. -0.006 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

Tgt Ion:117 Resp: 2507205
Ion Ratio Lower Upper
117 100
82 63.2 51.0 76.6
119 33.2 24.7 37.1

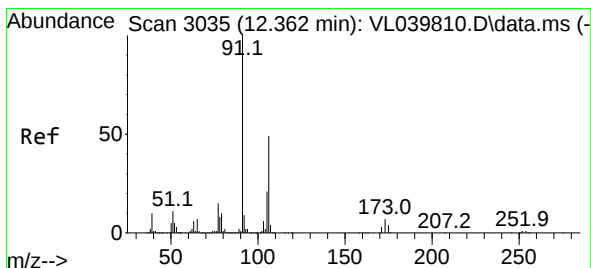
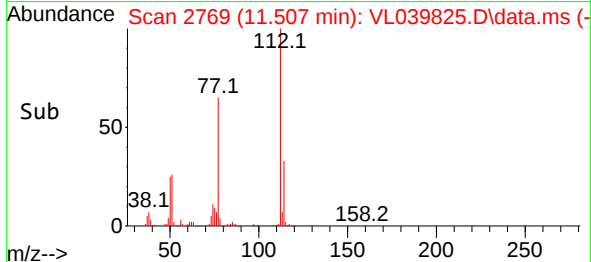
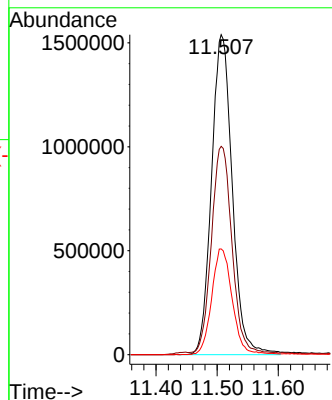
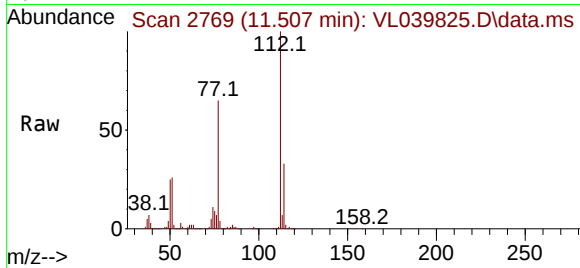




#57
Chlorobenzene
Concen: 19.090 ppbv
RT: 11.507 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

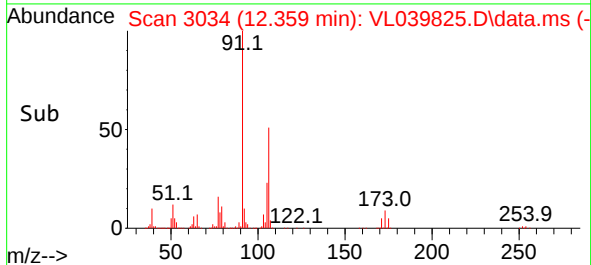
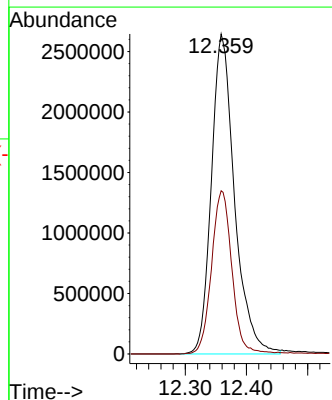
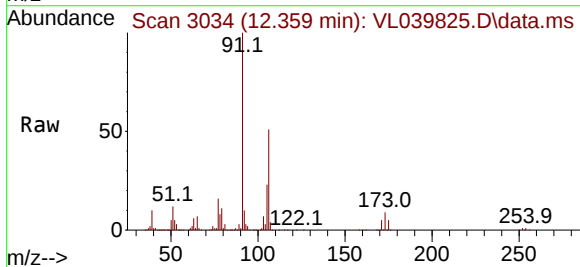
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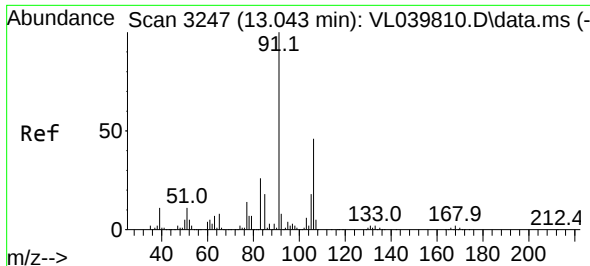
Tgt Ion:112 Resp: 3630495
Ion Ratio Lower Upper
112 100
77 64.5 49.8 74.6
114 33.0 29.0 35.4



#59
m/p-Xylene
Concen: 24.564 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. -0.003 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

Tgt Ion: 91 Resp: 6951007
Ion Ratio Lower Upper
91 100
106 45.6 37.6 56.4

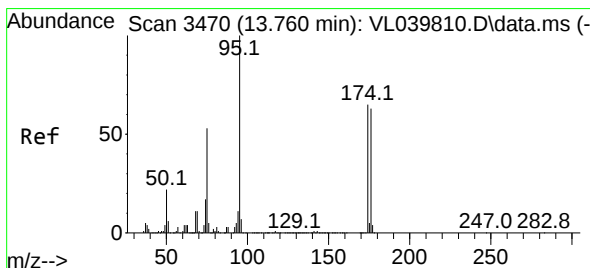
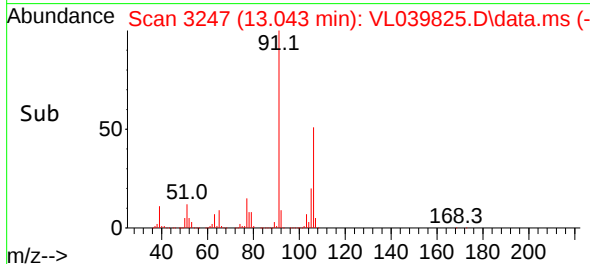
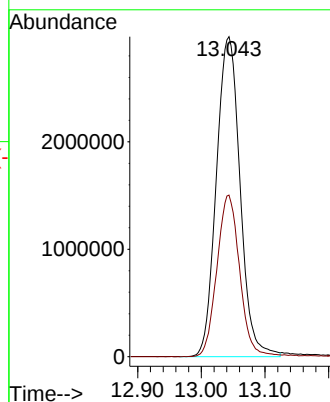
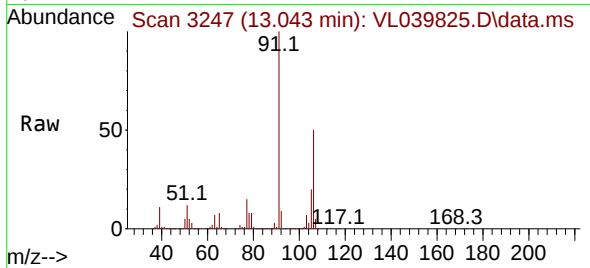




#60
o-Xylene
Concen: 28.795 ppbv
RT: 13.043 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

Instrument :
MSVOA_L
ClientSampleId :
E062-1100DUP

Tgt Ion: 91 Resp: 7720000
Ion Ratio Lower Upper
91 100
106 49.1 23.6 70.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.944 ppbv
RT: 13.760 min Scan# 3470
Delta R.T. 0.000 min
Lab File: VL039825.D
Acq: 3 Nov 2022 14:34

Tgt Ion: 95 Resp: 2053709
Ion Ratio Lower Upper
95 100
174 64.3 53.4 80.0
175 4.6 4.1 6.1

