

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041115.D
 Acq On : 15 Mar 2024 7:57
 Operator : SY/MD
 Sample : P1748-01DUPDL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DUPDL

Quant Time: Mar 16 02:12:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 15 02:44:43 2024
 Response via : Initial Calibration

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

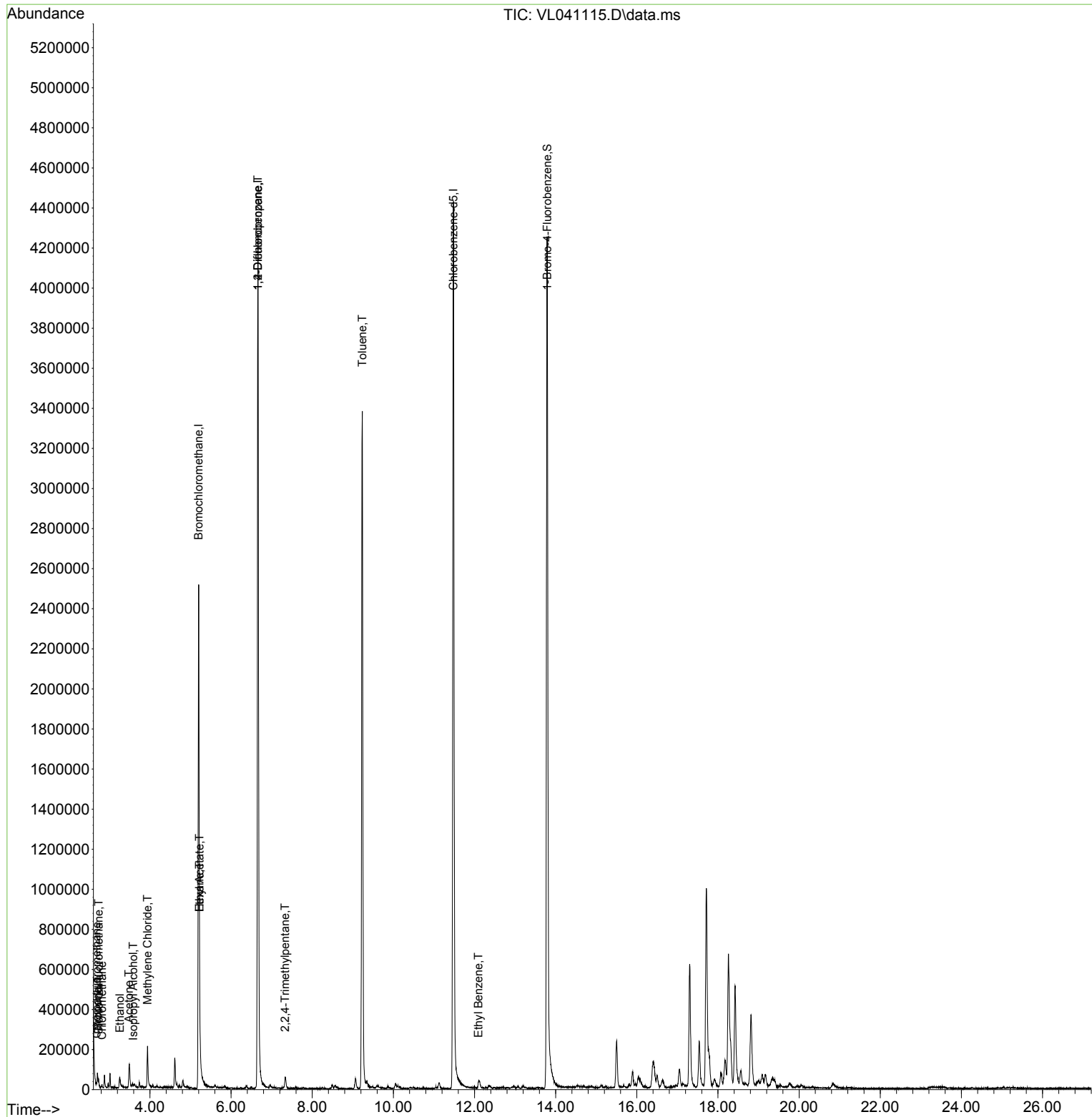
Internal Standards						
1) Bromochloromethane	5.201	49	1254176	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3155704	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2849934	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2236066	10.035	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.735	85	22612	0.095	ppbv	100
3) Chlorodifluoromethane	2.681	51	14879	0.081	ppbv	99
4) Chloromethane	2.819	50	6724	0.096	ppbv #	78
9) Propene	2.703	41	17844	0.291	ppbv	96
13) Ethanol	3.259	45	44082	2.697	ppbv	73
15) Acetone	3.484	43	109583	0.767	ppbv	96
19) Isopropyl Alcohol	3.591	45	4515	0.059	ppbv #	1
20) Methylene Chloride	3.944	84	63997	1.149	ppbv	96
25) Ethyl Acetate	5.224	43	23319	0.091	ppbv #	84
26) Hexane	5.224	57	12578	0.109	ppbv #	43
39) 1,2-Dichloropropane	6.661	63	800580	8.520	ppbv #	23
44) 2,2,4-Trimethylpentane	7.333	57	34602	0.088	ppbv #	65
53) Toluene	9.233	91	2646294	10.452	ppbv	99
58) Ethyl Benzene	12.095	91	10869	0.033	ppbv	98

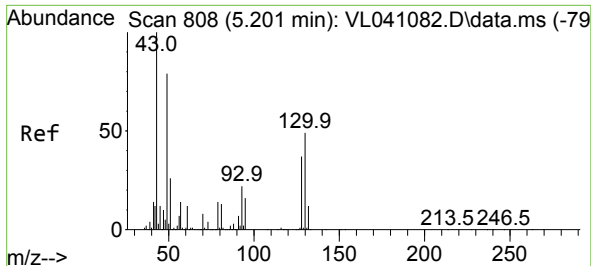
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 15 02:44:43 2024
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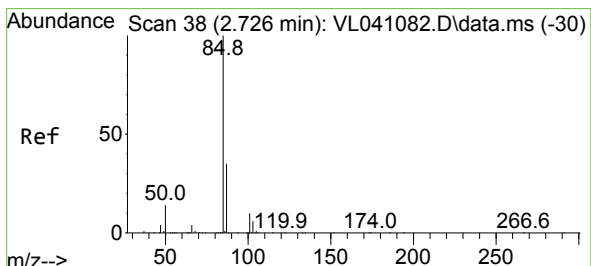
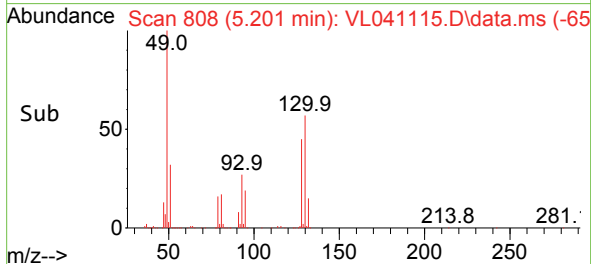
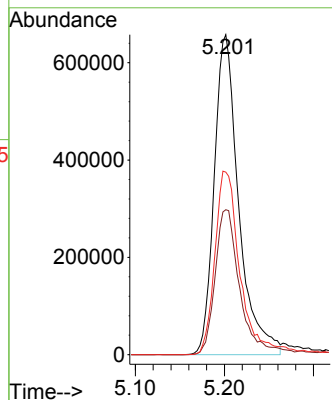
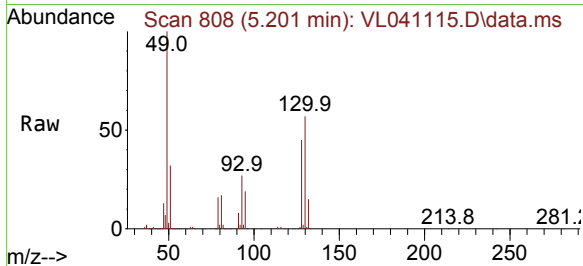




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VL041115.D
 Acq: 15 Mar 2024 7:57

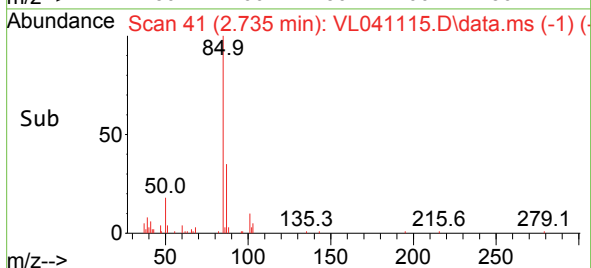
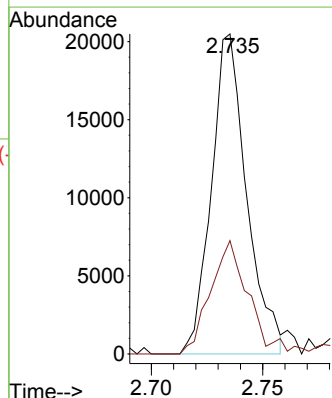
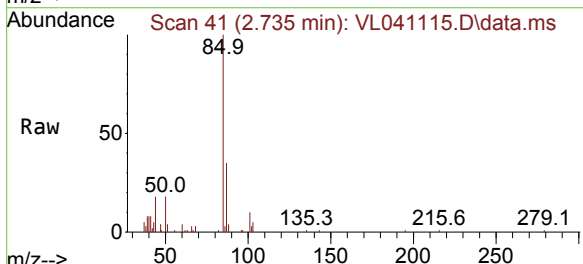
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DUPDL

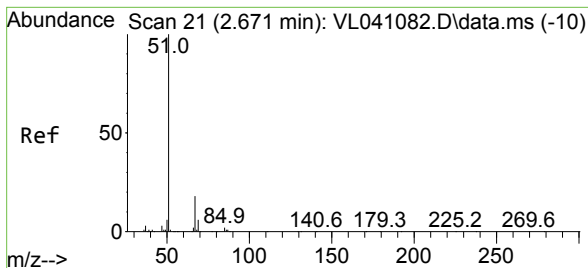
Tgt Ion: 49 Resp: 1254176
 Ion Ratio Lower Upper
 49 100
 128 48.0 23.8 71.5
 130 60.9 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.095 ppbv
 RT: 2.735 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL041115.D
 Acq: 15 Mar 2024 7:57

Tgt Ion: 85 Resp: 22612
 Ion Ratio Lower Upper
 85 100
 87 35.4 28.1 42.1

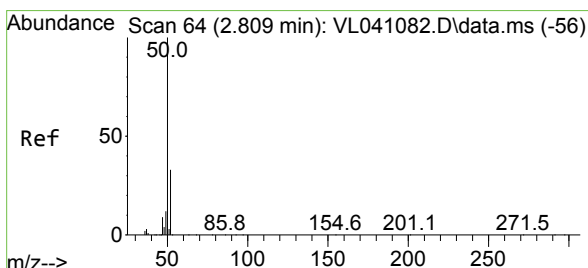
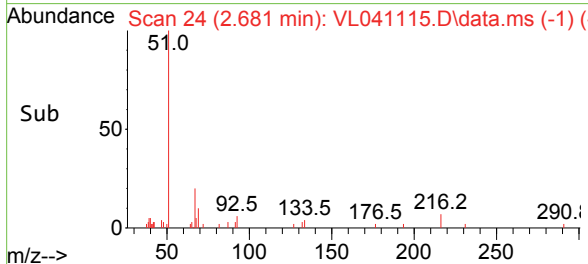
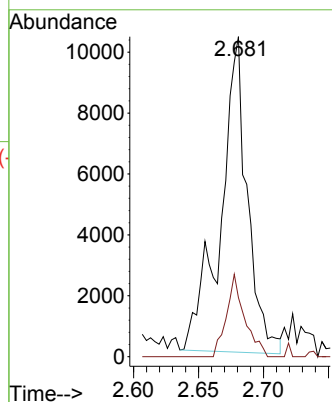
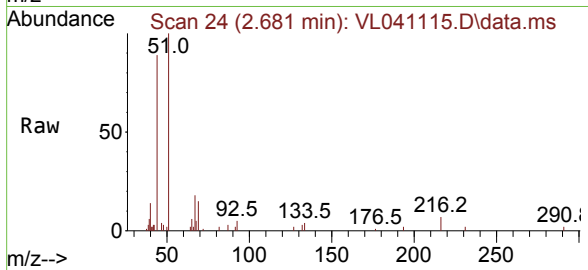




#3
Chlorodifluoromethane
Concen: 0.081 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

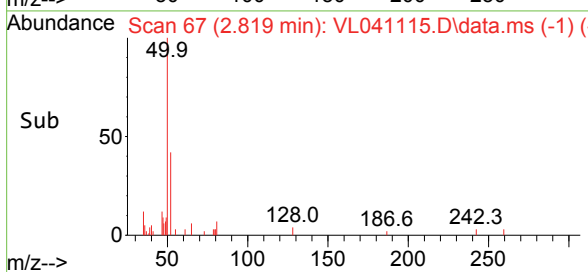
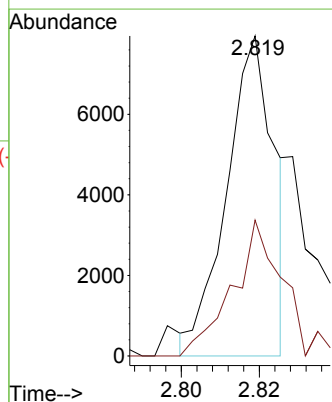
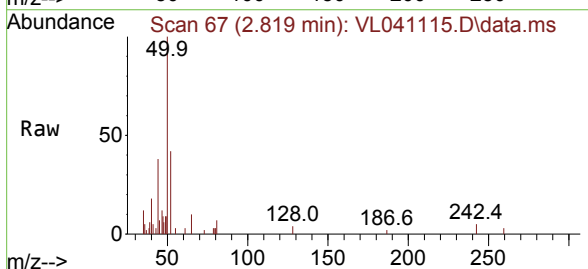
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DUPDL

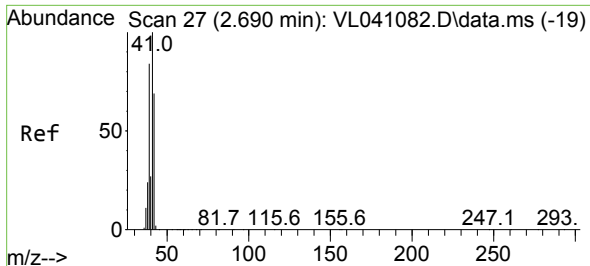
Tgt Ion: 51 Resp: 14879
Ion Ratio Lower Upper
51 100
67 17.7 14.5 21.7



#4
Chloromethane
Concen: 0.096 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.010 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

Tgt Ion: 50 Resp: 6724
Ion Ratio Lower Upper
50 100
52 45.7 26.6 40.0#

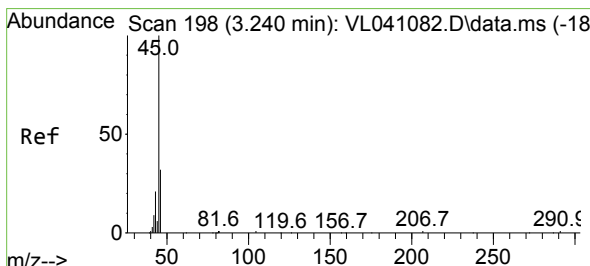
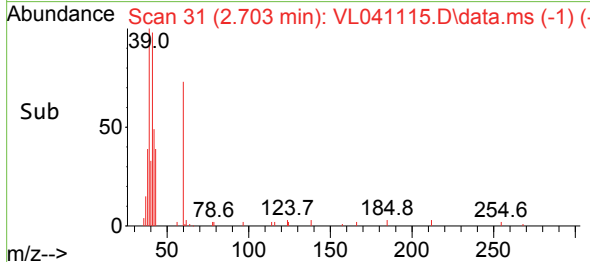
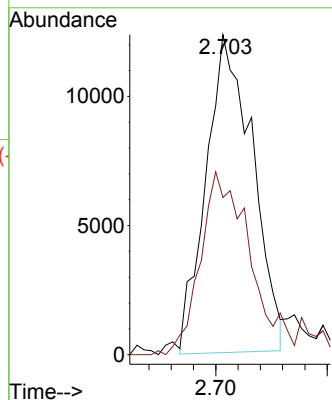
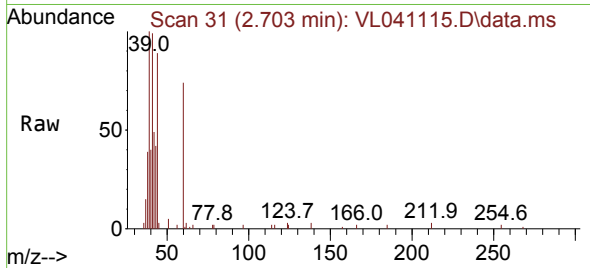




#9
 Propene
 Concen: 0.291 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VL041115.D
 Acq: 15 Mar 2024 7:57

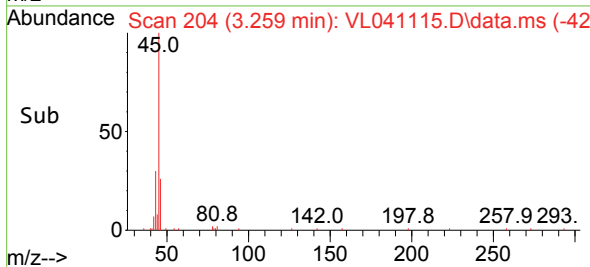
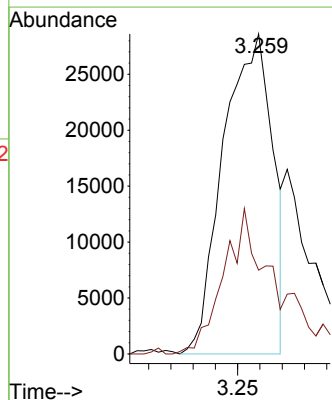
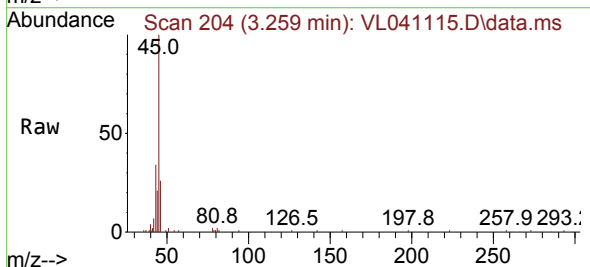
Instrument :
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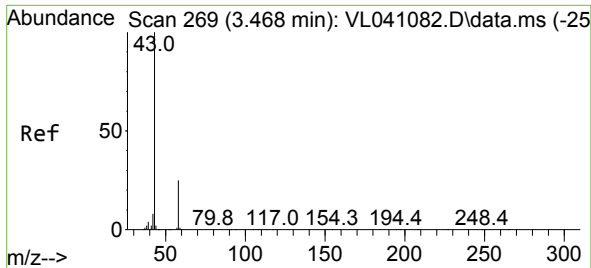
Tgt Ion: 41 Resp: 17844
 Ion Ratio Lower Upper
 41 100
 42 66.4 55.9 83.9



#13
 Ethanol
 Concen: 2.697 ppbv
 RT: 3.259 min Scan# 204
 Delta R.T. 0.019 min
 Lab File: VL041115.D
 Acq: 15 Mar 2024 7:57

Tgt Ion: 45 Resp: 44082
 Ion Ratio Lower Upper
 45 100
 46 52.6 14.6 58.2

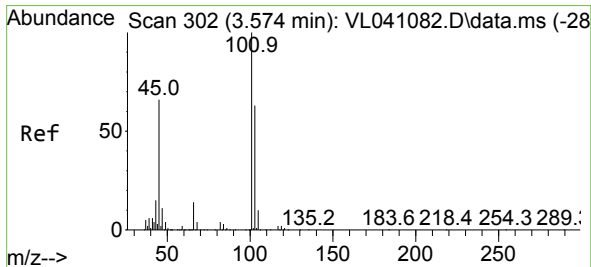
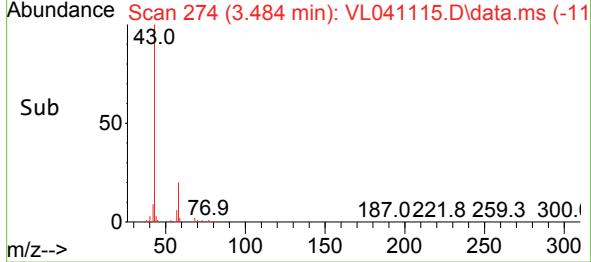
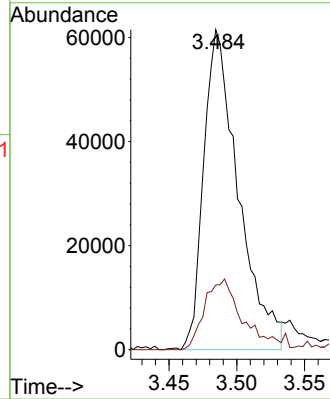
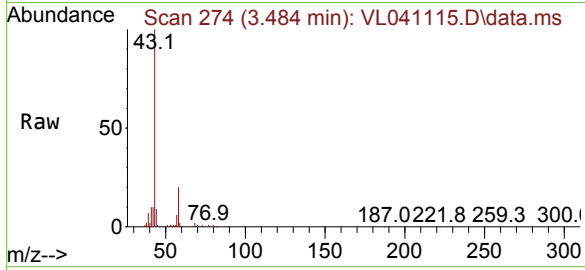




#15
Acetone
Concen: 0.767 ppbv
RT: 3.484 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

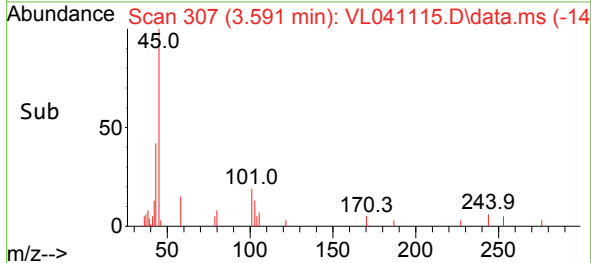
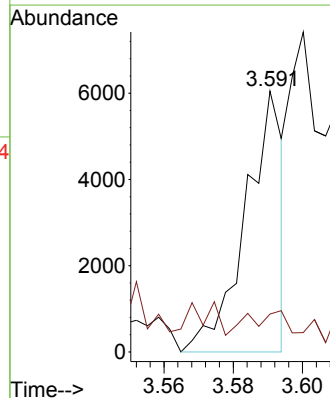
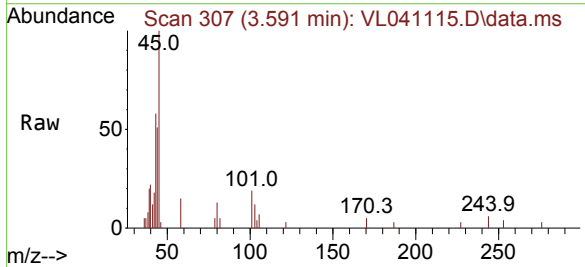
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DUPDL

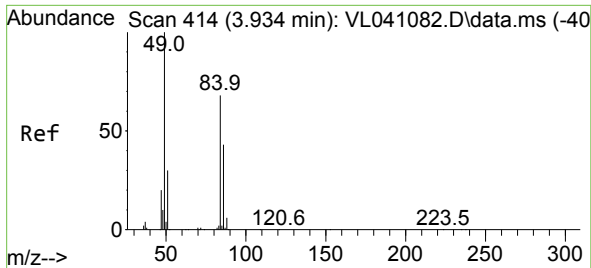
Tgt Ion: 43 Resp: 109583
Ion Ratio Lower Upper
43 100
58 24.9 21.7 32.5



#19
Isopropyl Alcohol
Concen: 0.059 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.016 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

Tgt Ion: 45 Resp: 4515
Ion Ratio Lower Upper
45 100
58 56.2 2.2 3.4#

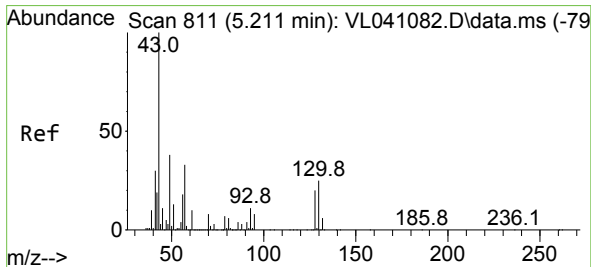
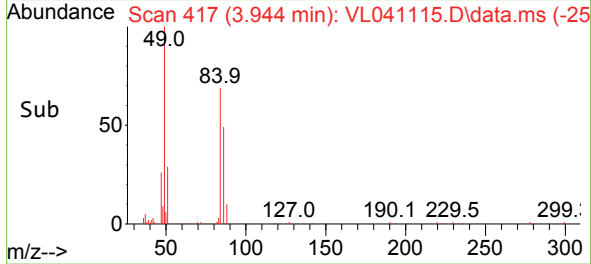
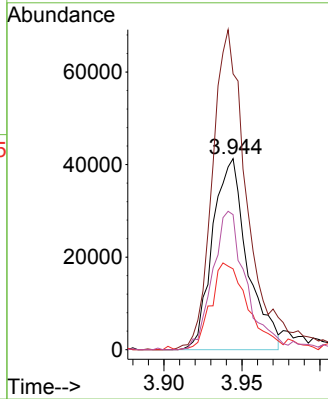
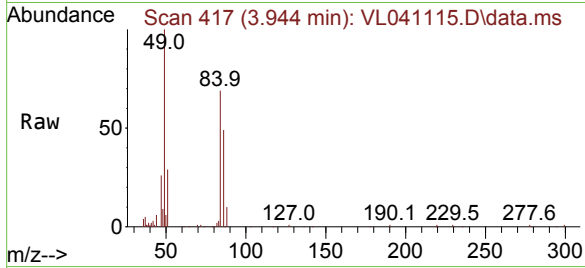




#20
Methylene Chloride
Concen: 1.149 ppbv
RT: 3.944 min Scan# 414
Delta R.T. 0.010 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

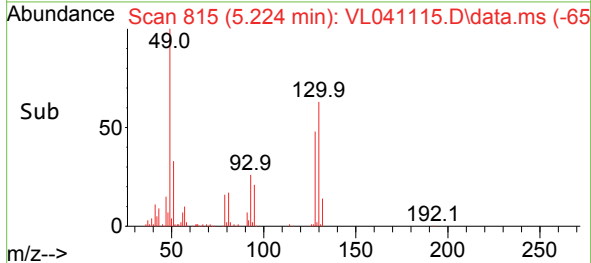
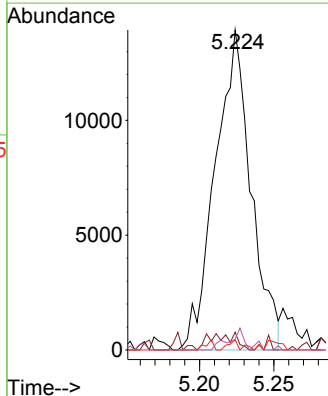
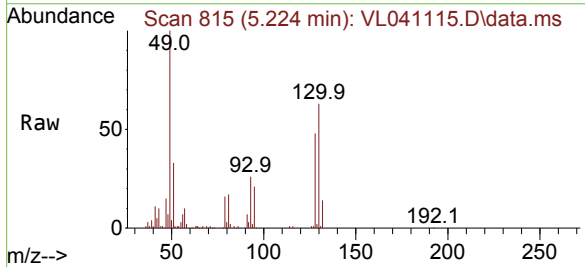
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DUPDL

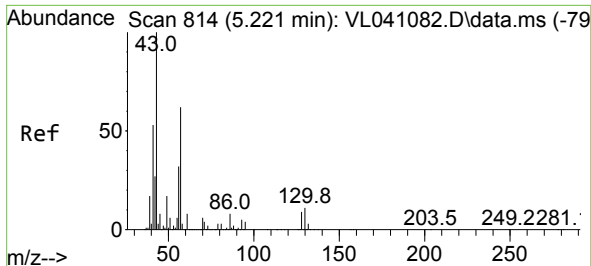
Tgt Ion:	84	Resp:	63997
Ion	Ratio	Lower	Upper
84	100		
49	143.4	117.0	175.6
51	42.3	34.9	52.3
86	70.6	49.8	74.6



#25
Ethyl Acetate
Concen: 0.091 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.013 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

Tgt Ion:	43	Resp:	23319
Ion	Ratio	Lower	Upper
43	100		
45	5.8	8.2	12.2#
61	1.9	8.2	12.2#
70	3.1	5.5	8.3#

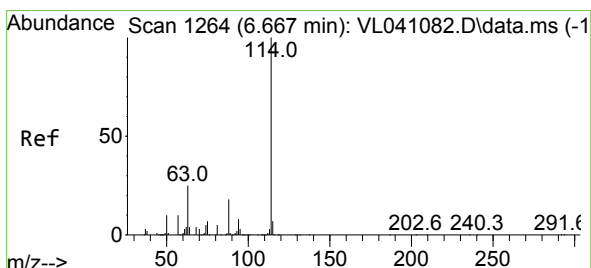
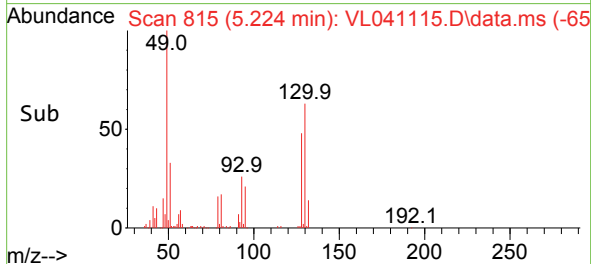
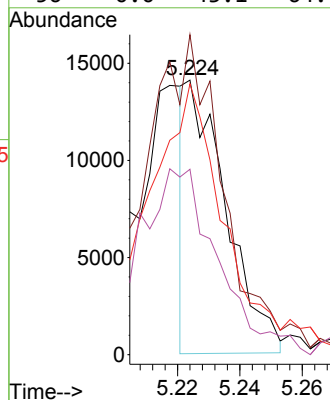
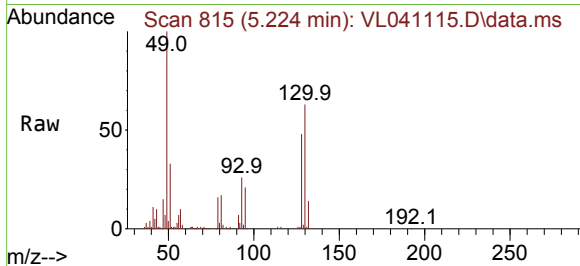




#26
Hexane
Concen: 0.109 ppbv
RT: 5.224 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

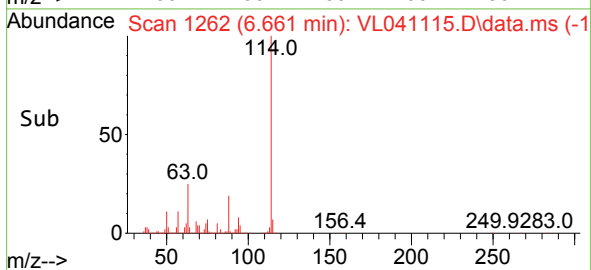
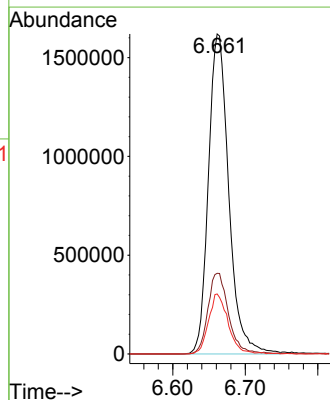
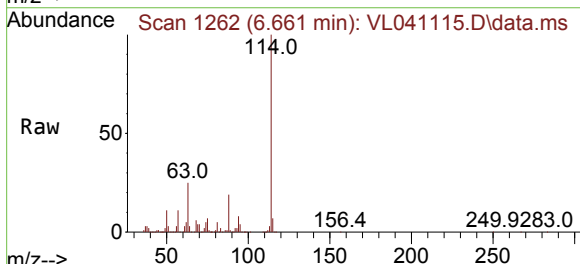
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ClientSampleId :
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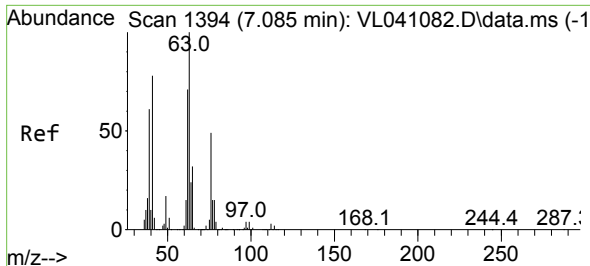
Tgt Ion: 57 Resp: 12578
Ion Ratio Lower Upper
57 100
41 234.0 73.8 110.6#
43 202.7 184.2 276.2
56 0.0 43.1 64.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

Tgt Ion: 114 Resp: 3155704
Ion Ratio Lower Upper
114 100
63 25.8 21.0 31.6
88 18.3 14.6 22.0





#39

1,2-Dichloropropane

Concen: 8.520 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL041115.D

Acq: 15 Mar 2024 7:57

Instrument :

MSVOA_L

ClientSampleId :

SVP-04DUPDL

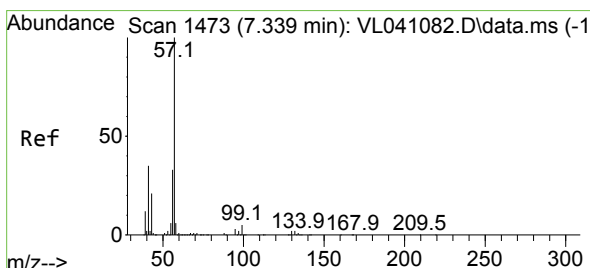
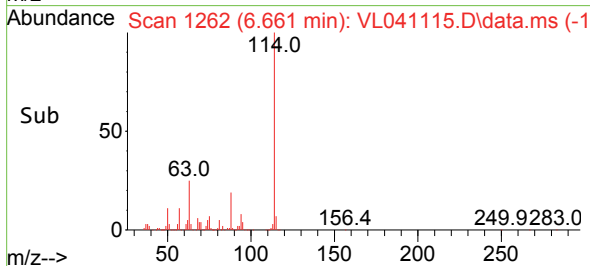
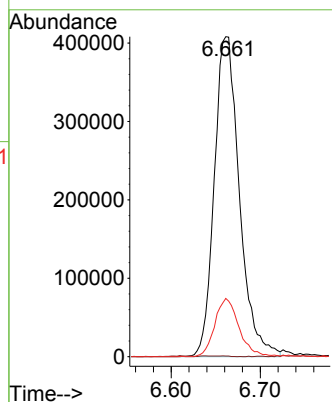
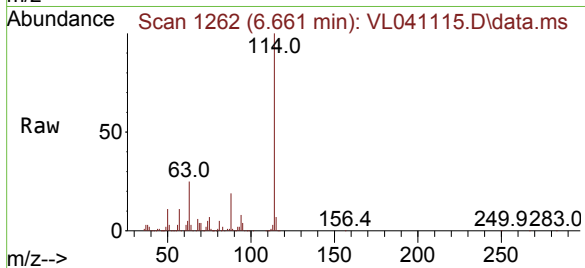
Tgt Ion: 63 Resp: 800580

Ion Ratio Lower Upper

63 100

41 0.1 62.2 93.4#

62 18.2 57.0 85.4#



#44

2,2,4-Trimethylpentane

Concen: 0.088 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VL041115.D

Acq: 15 Mar 2024 7:57

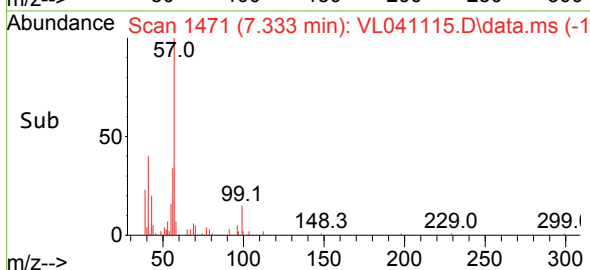
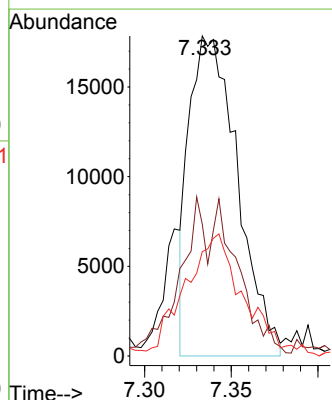
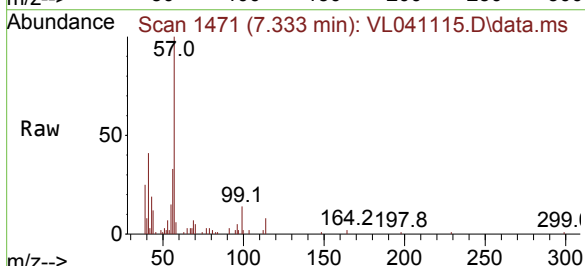
Tgt Ion: 57 Resp: 34602

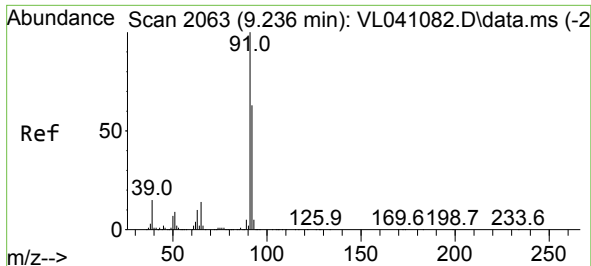
Ion Ratio Lower Upper

57 100

41 58.7 28.0 42.0#

56 48.4 25.7 38.5#

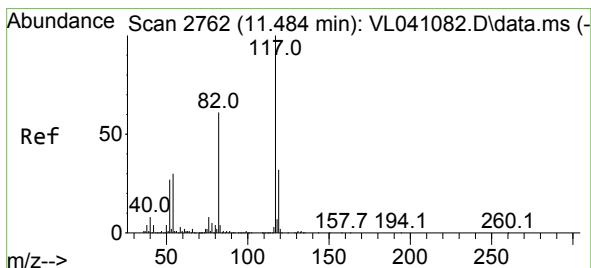
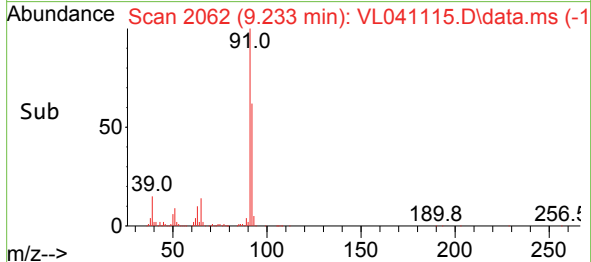
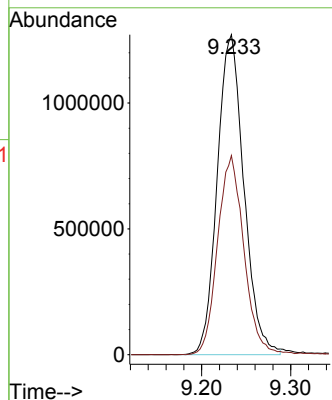
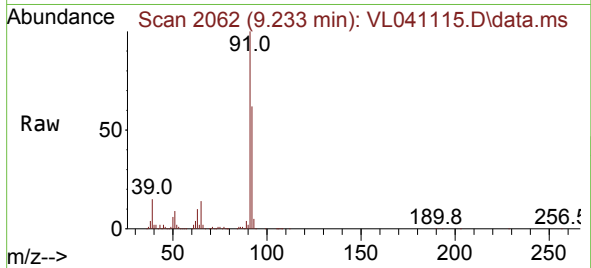




#53
Toluene
Concen: 10.452 ppbv
RT: 9.233 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

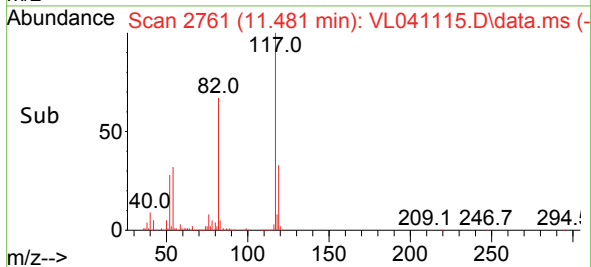
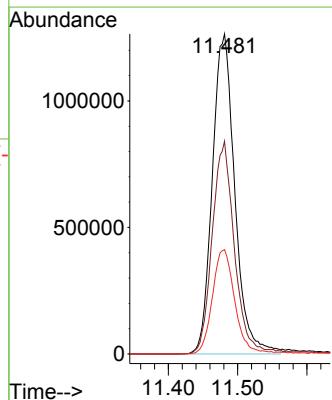
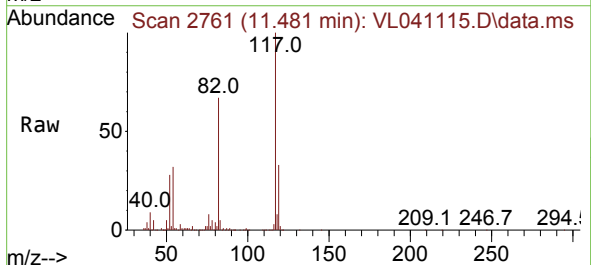
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DUPDL

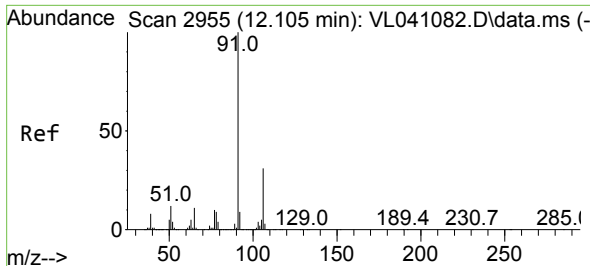
Tgt Ion: 91 Resp: 2646294
Ion Ratio Lower Upper
91 100
92 62.0 48.9 73.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. -0.003 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

Tgt Ion: 117 Resp: 2849934
Ion Ratio Lower Upper
117 100
82 67.3 51.4 77.2
119 33.4 23.7 35.5

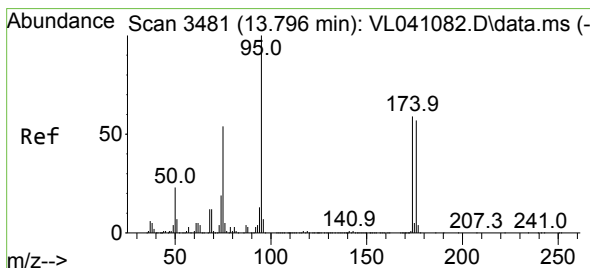
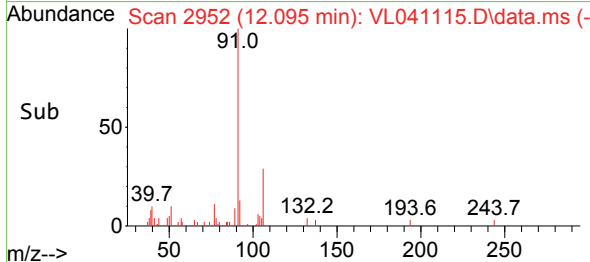
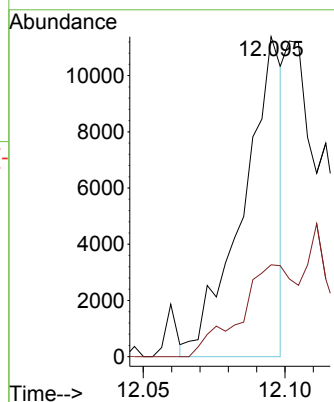
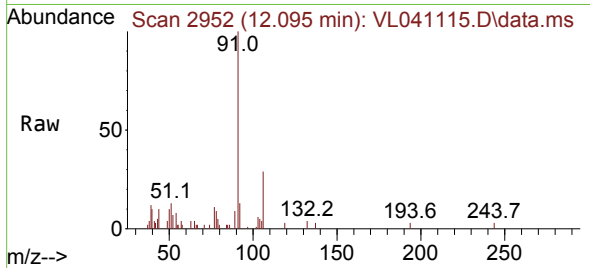




#58
Ethyl Benzene
Concen: 0.033 ppbv
RT: 12.095 min Scan# 2955
Delta R.T. -0.009 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

Instrument :
MSVOA_L
ClientSampleId :
SVP-04DUPDL

Tgt Ion: 91 Resp: 10869
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.035 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. -0.003 min
Lab File: VL041115.D
Acq: 15 Mar 2024 7:57

Tgt Ion: 95 Resp: 2236066
Ion Ratio Lower Upper
95 100
174 60.0 47.8 71.8
175 4.3 3.5 5.3

