

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041108.D
 Acq On : 14 Mar 2024 15:46
 Operator : SY/MD
 Sample : P1748-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DL

Quant Time: Mar 16 04:17:55 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)

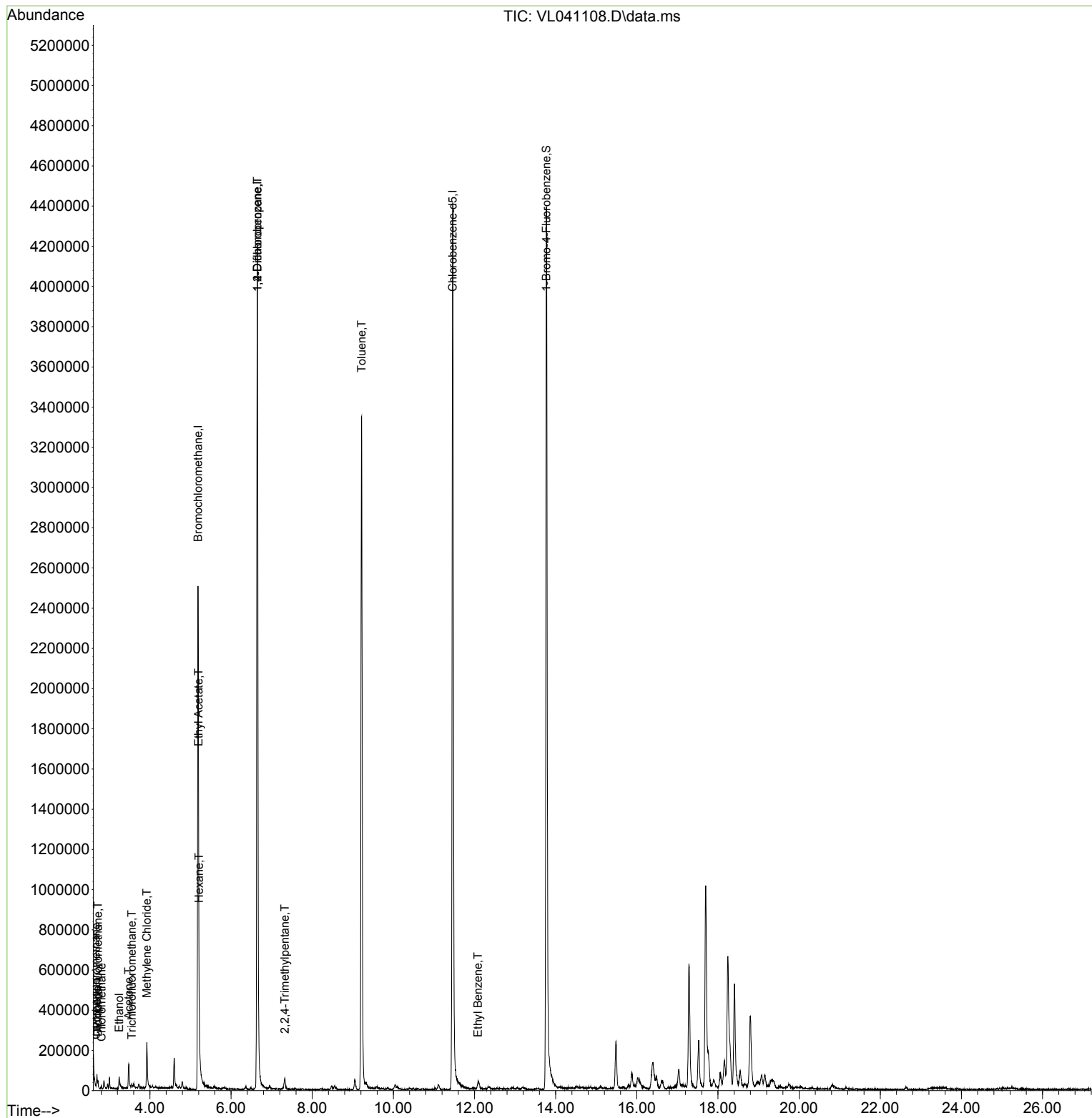
Internal Standards						
1) Bromochloromethane	5.185	49	1223557	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	3126615	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.462	117	2819915	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2256482	10.235	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.300%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.722	85	23578	0.101	ppbv	99
3) Chlorodifluoromethane	2.665	51	15893	0.088	ppbv	93
4) Chloromethane	2.806	50	9203	0.135	ppbv	100
9) Propene	2.693	41	16748	0.280	ppbv	99
11) Trichlorofluoromethane	3.552	101	6815	0.038	ppbv #	82
13) Ethanol	3.243	45	48038	3.012	ppbv	82
15) Acetone	3.478	43	93893	0.674	ppbv	98
20) Methylene Chloride	3.925	84	71362	1.313	ppbv #	92
25) Ethyl Acetate	5.198	43	9409	0.037	ppbv #	74
26) Hexane	5.208	57	29177	0.260	ppbv #	44
39) 1,2-Dichloropropane	6.645	63	803271	8.628	ppbv #	22
44) 2,2,4-Trimethylpentane	7.324	57	19449	0.050	ppbv #	1
53) Toluene	9.217	91	2680606	10.686	ppbv	100
58) Ethyl Benzene	12.085	91	14720	0.045	ppbv	96

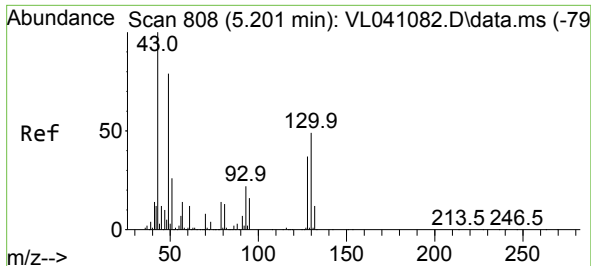
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
Data File : VL041108.D
Acq On : 14 Mar 2024 15:46
Operator : SY/MD
Sample : P1748-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

Quant Time: Mar 16 04:17:55 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

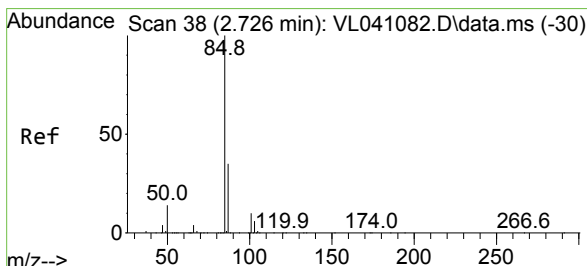
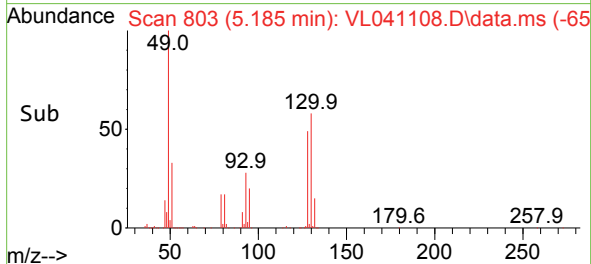
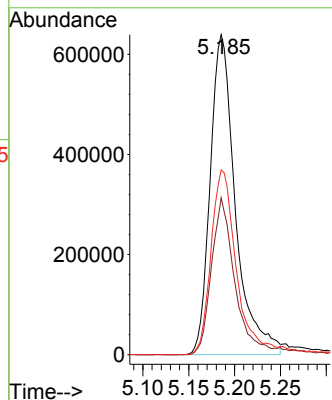
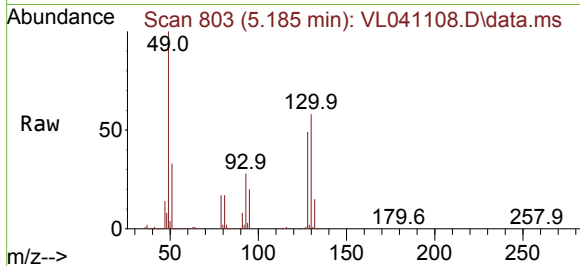




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. -0.016 min
 Lab File: VL041108.D
 Acq: 14 Mar 2024 15:46

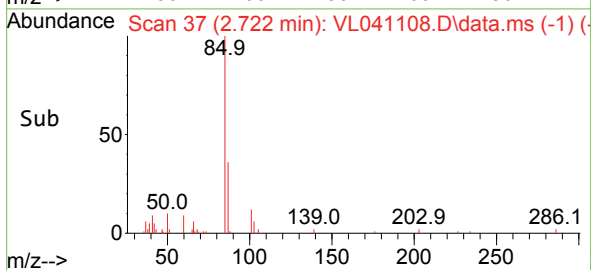
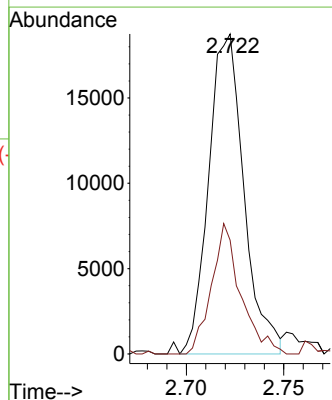
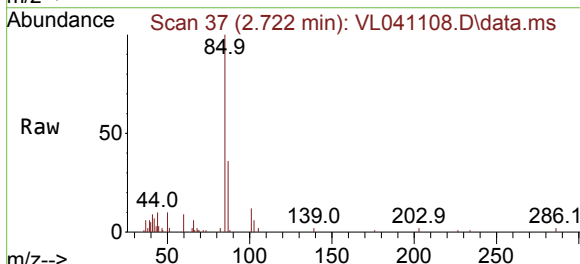
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DL

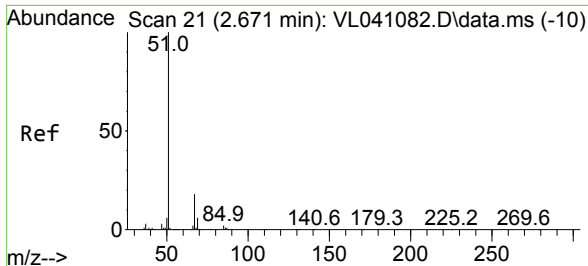
Tgt Ion: 49 Resp: 1223557
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.8 71.5
 130 60.5 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.101 ppbv
 RT: 2.722 min Scan# 37
 Delta R.T. -0.003 min
 Lab File: VL041108.D
 Acq: 14 Mar 2024 15:46

Tgt Ion: 85 Resp: 23578
 Ion Ratio Lower Upper
 85 100
 87 35.6 28.1 42.1

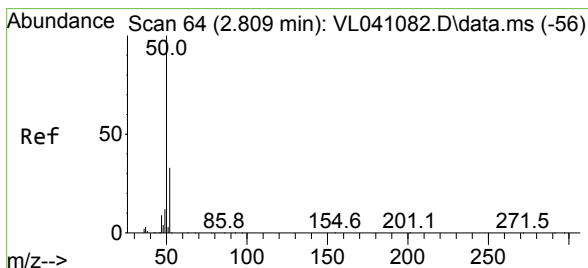
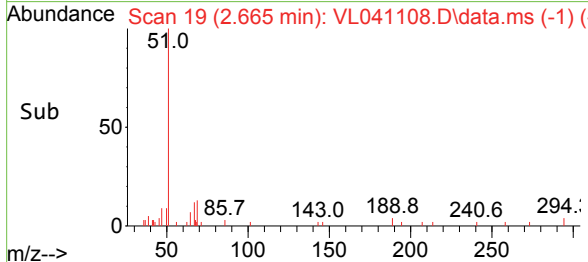
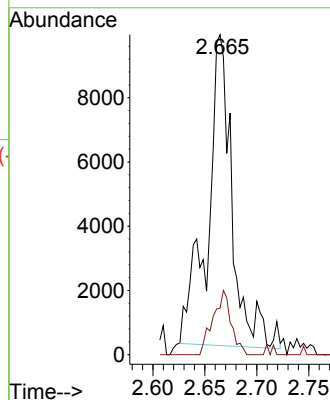
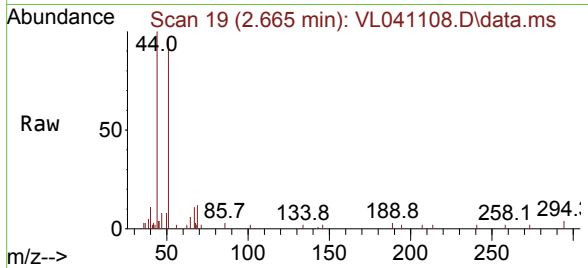




#3
Chlorodifluoromethane
Concen: 0.088 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

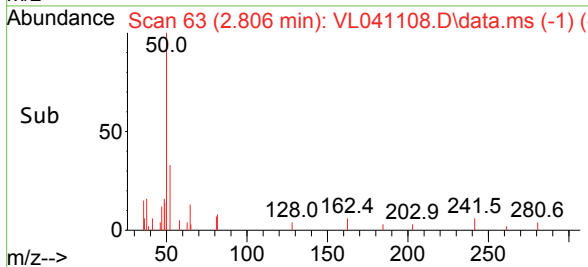
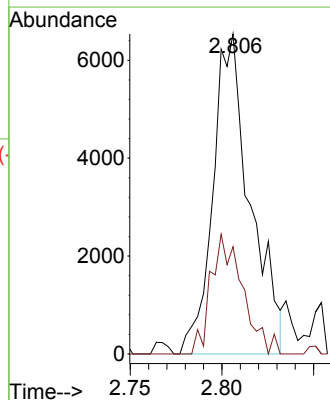
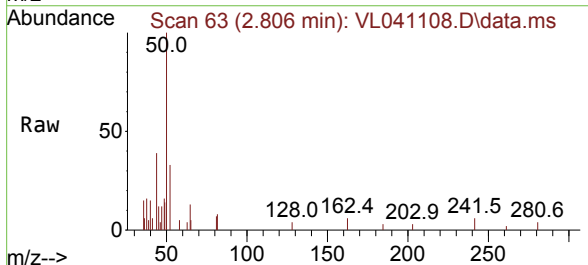
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

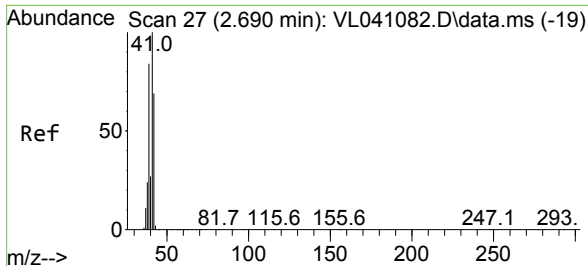
Tgt Ion: 51 Resp: 15893
Ion Ratio Lower Upper
51 100
67 15.1 14.5 21.7



#4
Chloromethane
Concen: 0.135 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.003 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Tgt Ion: 50 Resp: 9203
Ion Ratio Lower Upper
50 100
52 33.5 26.6 40.0

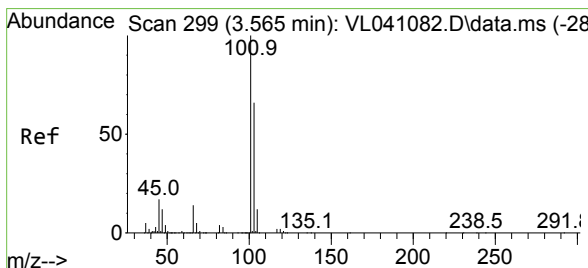
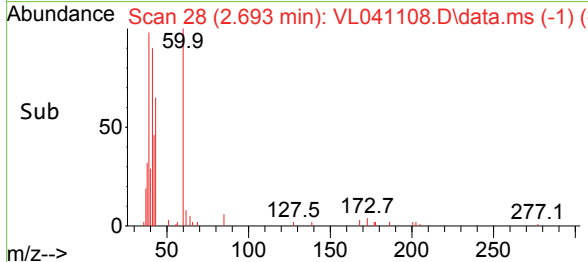
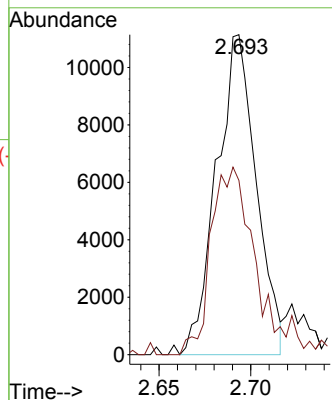
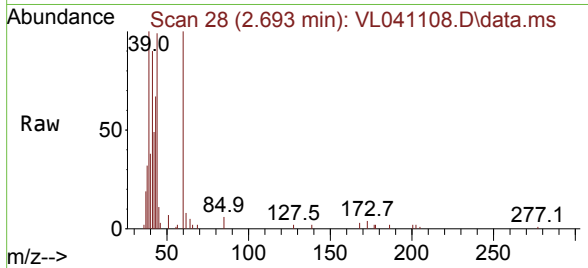




#9
Propene
Concen: 0.280 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

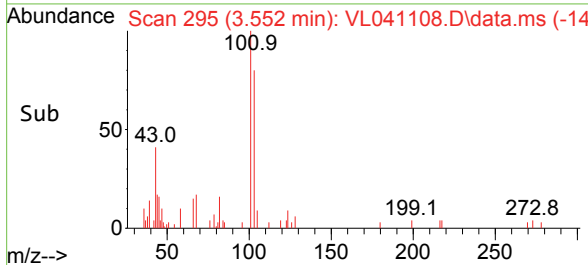
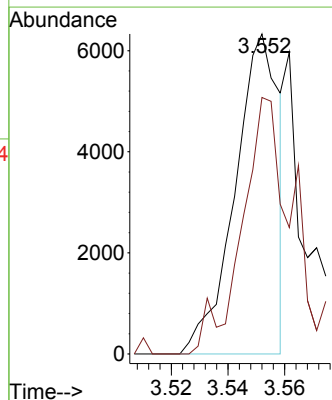
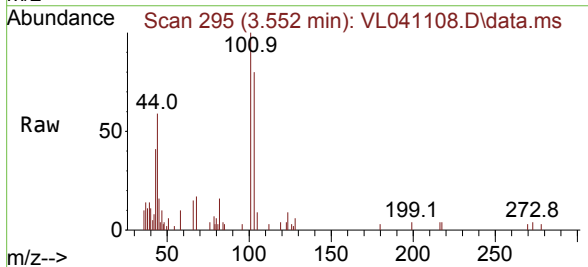
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

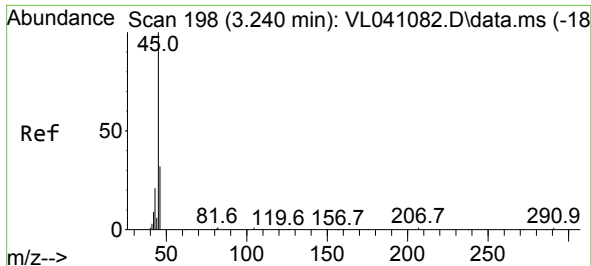
Tgt Ion: 41 Resp: 16748
Ion Ratio Lower Upper
41 100
42 69.1 55.9 83.9



#11
Trichlorofluoromethane
Concen: 0.038 ppbv
RT: 3.552 min Scan# 295
Delta R.T. -0.013 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Tgt Ion: 101 Resp: 6815
Ion Ratio Lower Upper
101 100
103 80.2 53.0 79.4#

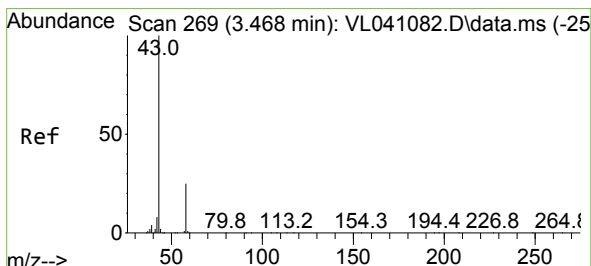
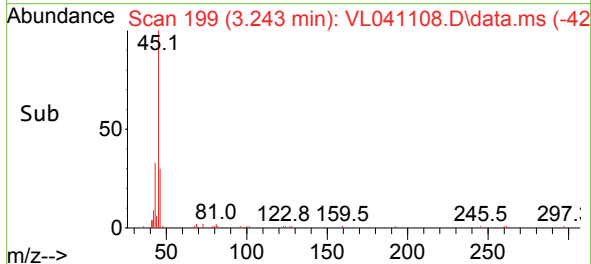
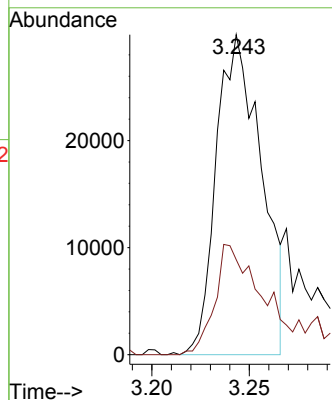
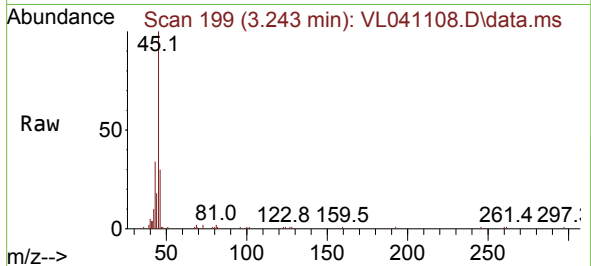




#13
Ethanol
Concen: 3.012 ppbv
RT: 3.243 min Scan# 198
Delta R.T. 0.003 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

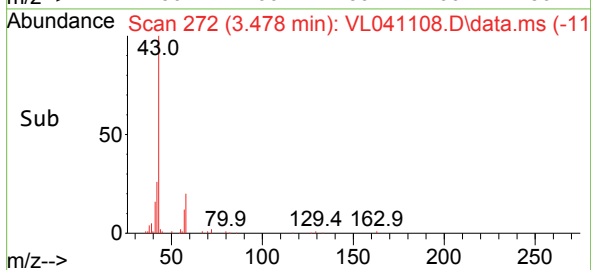
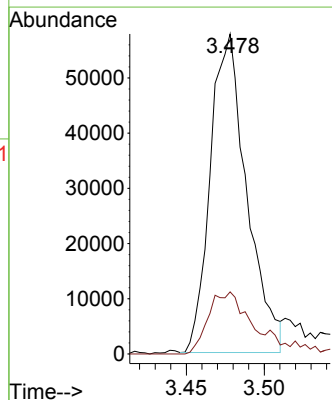
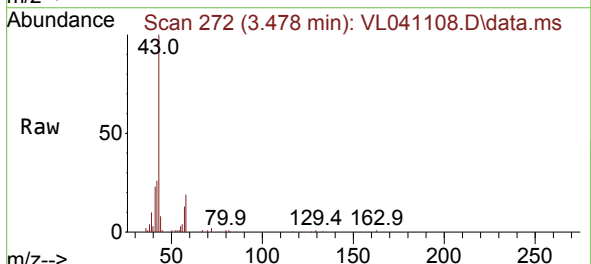
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

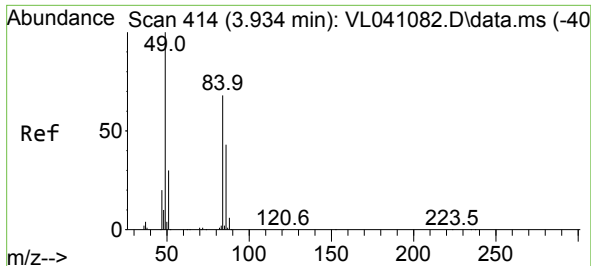
Tgt Ion: 45 Resp: 48038
Ion Ratio Lower Upper
45 100
46 46.9 14.6 58.2



#15
Acetone
Concen: 0.674 ppbv
RT: 3.478 min Scan# 272
Delta R.T. 0.010 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Tgt Ion: 43 Resp: 93893
Ion Ratio Lower Upper
43 100
58 25.9 21.7 32.5



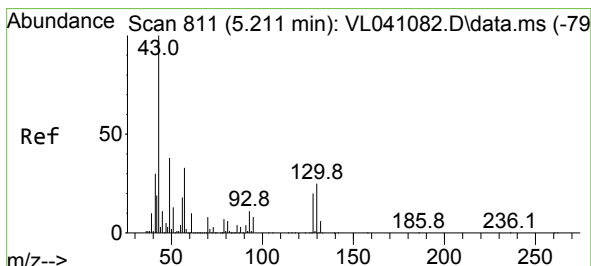
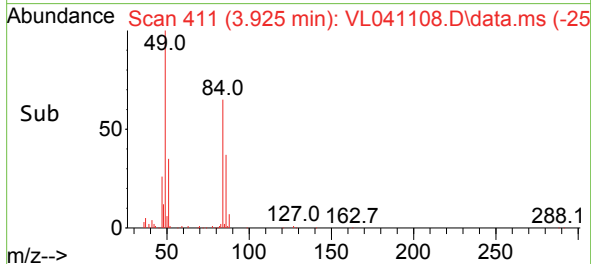
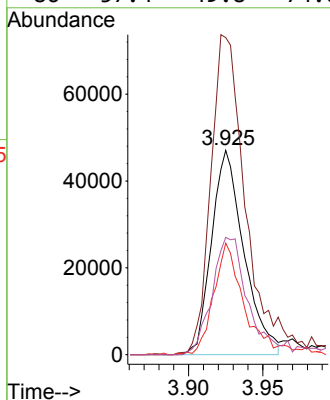
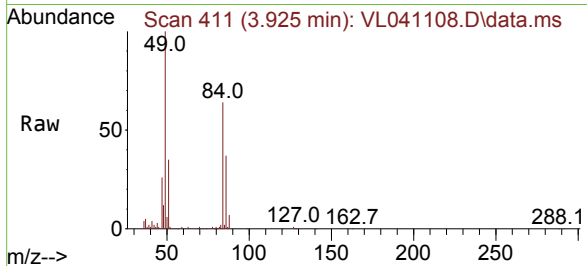


#20
Methylene Chloride
Concen: 1.313 ppbv
RT: 3.925 min Scan# 414
Delta R.T. -0.010 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

Tgt Ion: 84 Resp: 71362

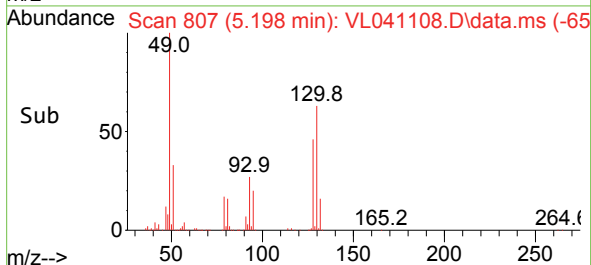
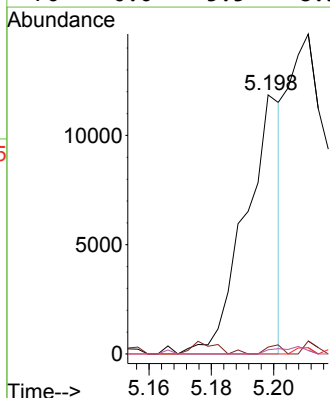
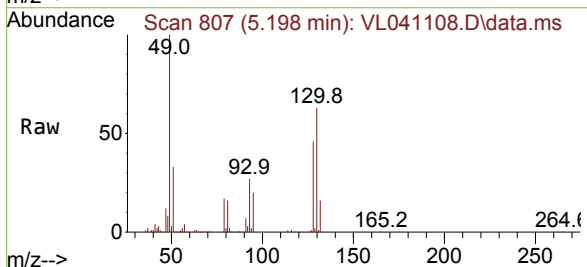
Ion	Ratio	Lower	Upper
84	100		
49	154.2	117.0	175.6
51	54.0	34.9	52.3#
86	57.4	49.8	74.6

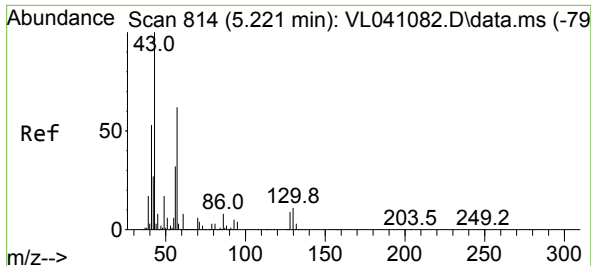


#25
Ethyl Acetate
Concen: 0.037 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Tgt Ion: 43 Resp: 9409

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	0.0	8.2	12.2#
70	0.0	5.5	8.3#

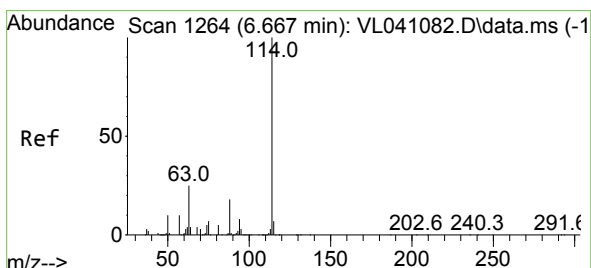
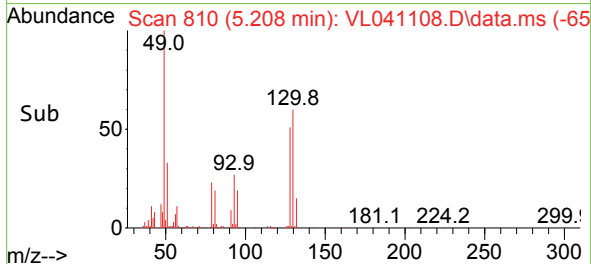
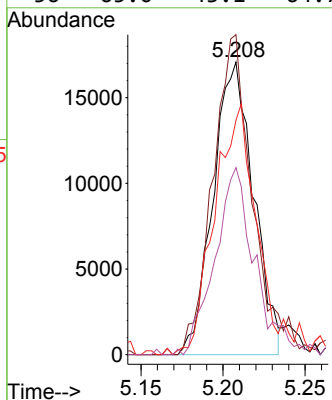
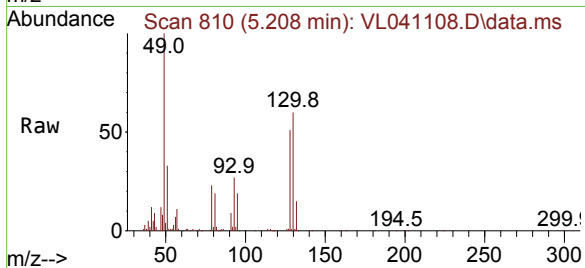




#26
Hexane
Concen: 0.260 ppbv
RT: 5.208 min Scan# 814
Delta R.T. -0.013 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

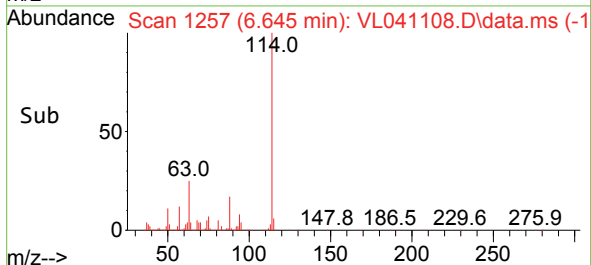
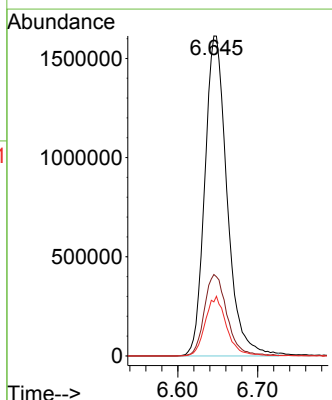
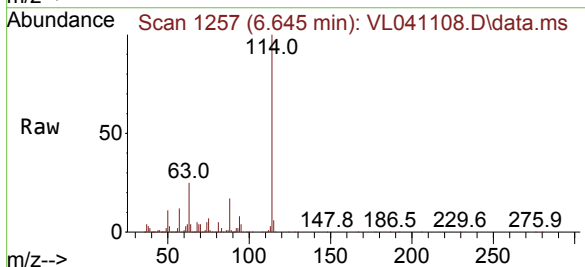
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

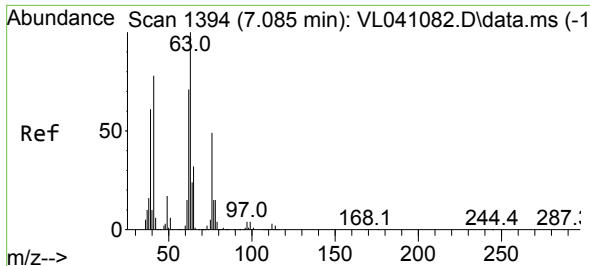
Tgt Ion: 57 Resp: 29177
Ion Ratio Lower Upper
57 100
41 108.1 73.8 110.6
43 96.9 184.2 276.2#
56 65.0 43.1 64.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.022 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Tgt Ion: 114 Resp: 3126615
Ion Ratio Lower Upper
114 100
63 26.2 21.0 31.6
88 18.1 14.6 22.0

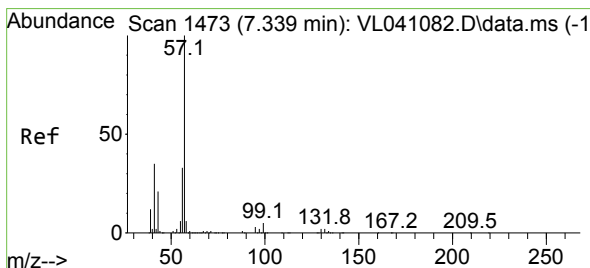
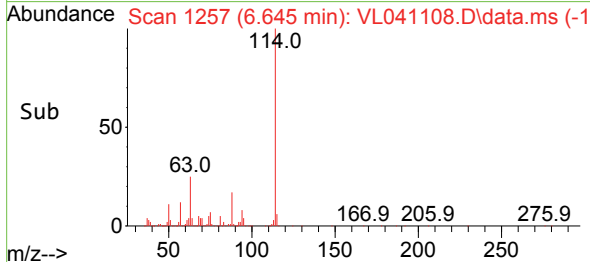
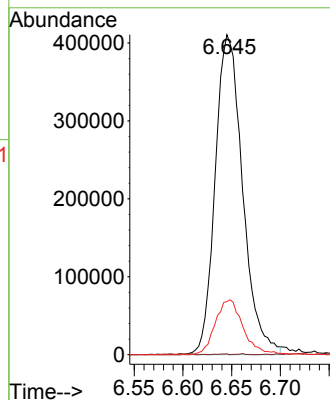
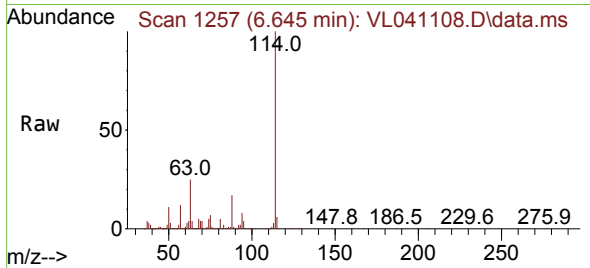




#39
 1,2-Dichloropropane
 Concen: 8.628 ppbv
 RT: 6.645 min Scan# 11
 Delta R.T. -0.440 min
 Lab File: VL041108.D
 Acq: 14 Mar 2024 15:46

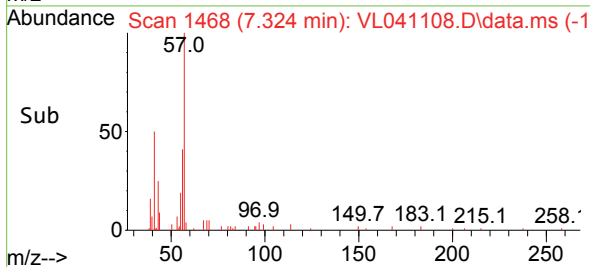
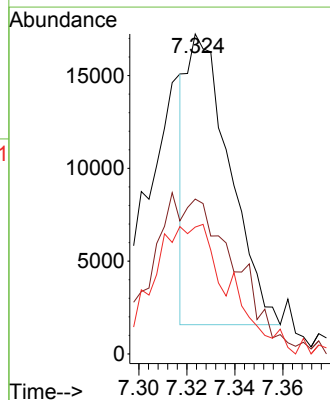
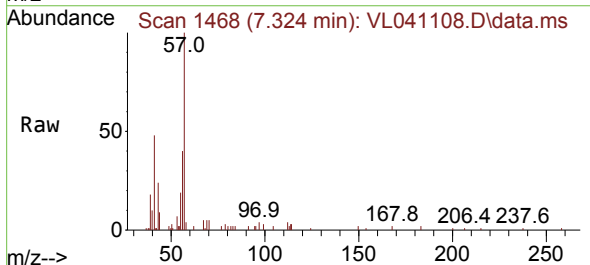
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-04DL

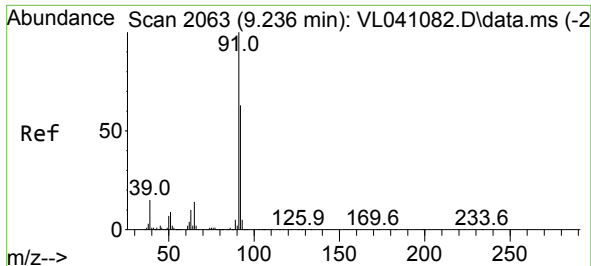
Tgt Ion: 63 Resp: 803271
 Ion Ratio Lower Upper
 63 100
 41 0.2 62.2 93.4#
 62 16.6 57.0 85.4#



#44
 2,2,4-Trimethylpentane
 Concen: 0.050 ppbv
 RT: 7.324 min Scan# 1468
 Delta R.T. -0.016 min
 Lab File: VL041108.D
 Acq: 14 Mar 2024 15:46

Tgt Ion: 57 Resp: 19449
 Ion Ratio Lower Upper
 57 100
 41 111.0 28.0 42.0#
 56 85.2 25.7 38.5#

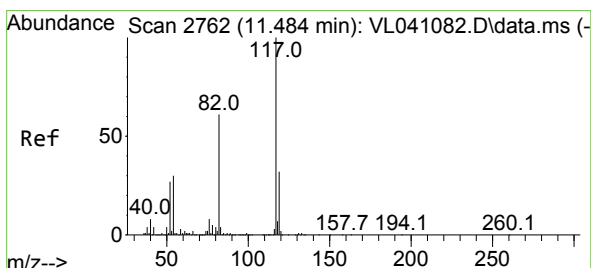
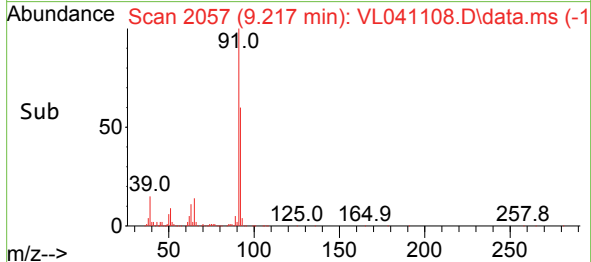
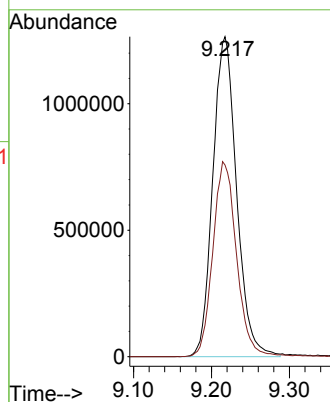
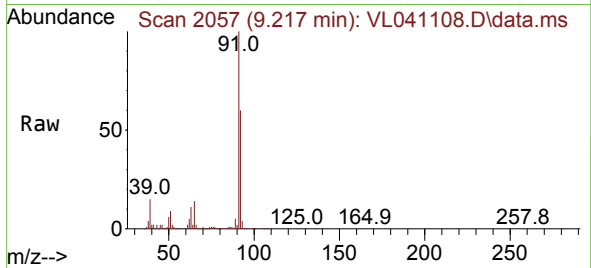




#53
Toluene
Concen: 10.686 ppbv
RT: 9.217 min Scan# 2063
Delta R.T. -0.019 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

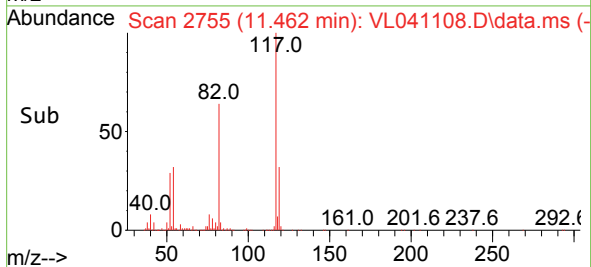
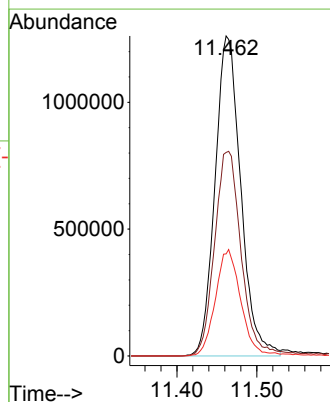
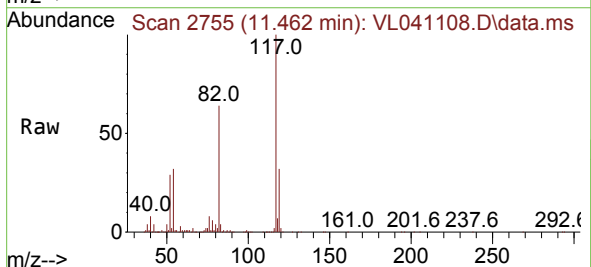
Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

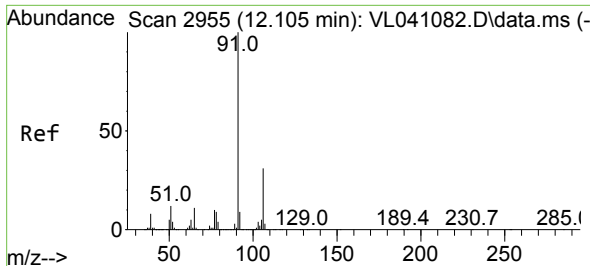
Tgt Ion: 91 Resp: 2680606
Ion Ratio Lower Upper
91 100
92 61.1 48.9 73.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.022 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Tgt Ion: 117 Resp: 2819915
Ion Ratio Lower Upper
117 100
82 67.2 51.4 77.2
119 33.3 23.7 35.5

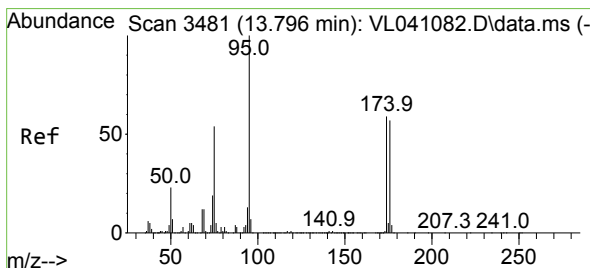
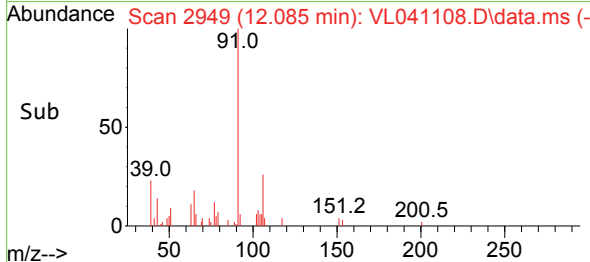
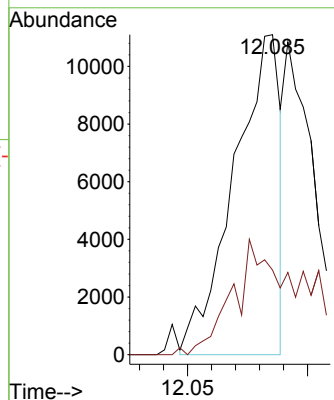
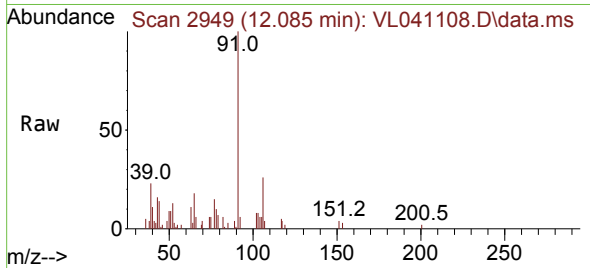




#58
Ethyl Benzene
Concen: 0.045 ppbv
RT: 12.085 min Scan# 2955
Delta R.T. -0.019 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Instrument :
MSVOA_L
ClientSampleId :
SVP-04DL

Tgt Ion: 91 Resp: 14720
Ion Ratio Lower Upper
91 100
106 28.8 24.6 36.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.235 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.026 min
Lab File: VL041108.D
Acq: 14 Mar 2024 15:46

Tgt Ion: 95 Resp: 2256482
Ion Ratio Lower Upper
95 100
174 60.5 47.8 71.8
175 4.4 3.5 5.3

