

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121923\
 Data File : VW033491.D
 Acq On : 19 Dec 2023 20:23
 Operator : SY/MD
 Sample : 05912-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3N1

Quant Time: Dec 20 00:29:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:24:21 2023
 Response via : Initial Calibration

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

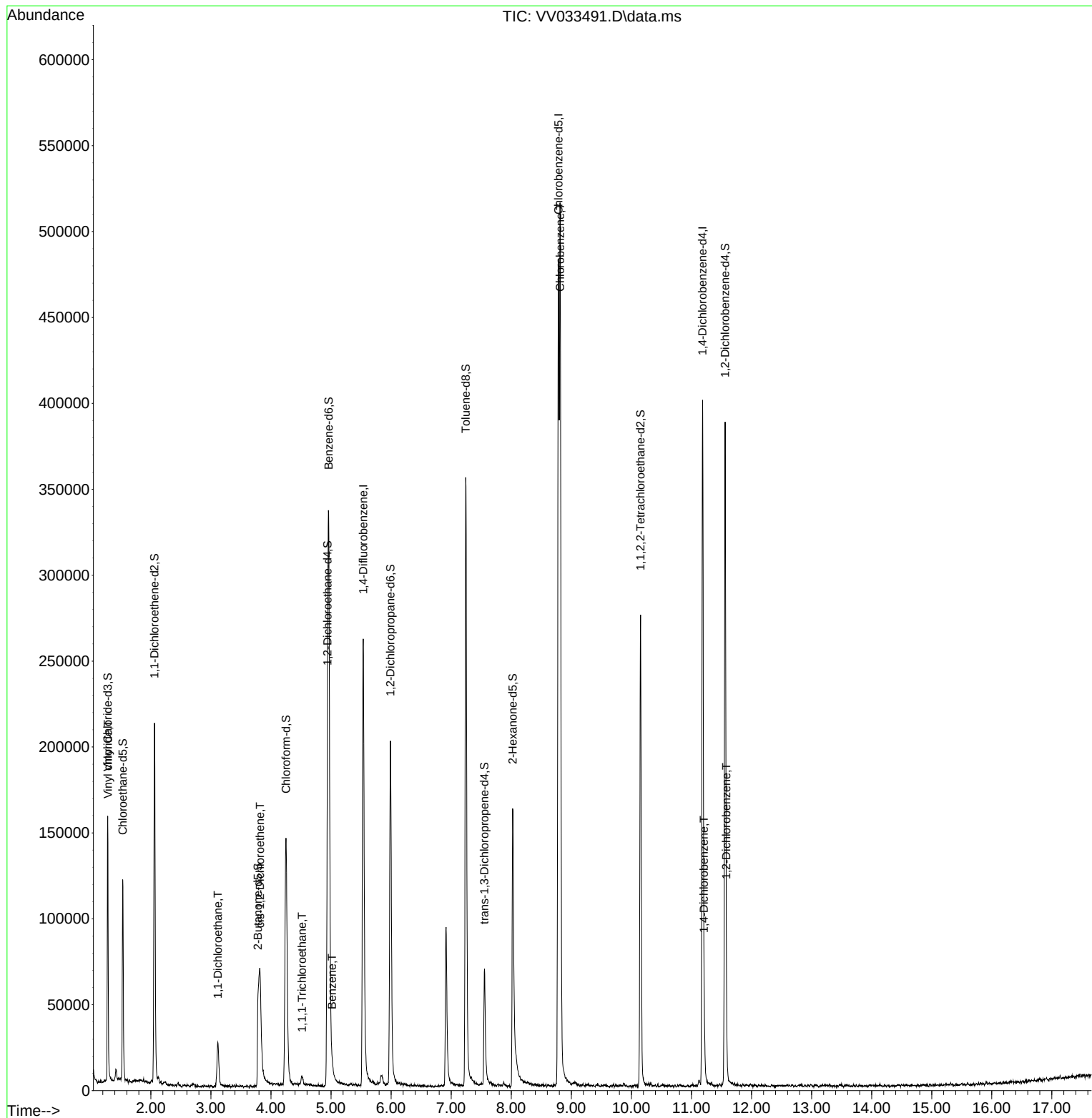
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	223195	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	239183	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	96644	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	78647	45.757	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.520%		
7) Chloroethane-d5	1.532	69	74551	48.332	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.660%		
11) 1,1-Dichloroethene-d2	2.060	65	36464	42.617	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.240%		
21) 2-Butanone-d5	3.783	46	81068	93.584	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.580%		
24) Chloroform-d	4.249	84	154307	45.385	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.780%		
26) 1,2-Dichloroethane-d4	4.941	65	102649	49.147	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.300%		
32) Benzene-d6	4.960	84	289410	44.926	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.860%		
36) 1,2-Dichloropropane-d6	5.989	67	93271	47.706	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.420%		
41) Toluene-d8	7.243	98	235580	39.966	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.940%#		
43) trans-1,3-Dichloroprop...	7.555	79	39892	41.633	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.260%		
47) 2-Hexanone-d5	8.024	63	52721	80.171	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.170%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	126109	44.878	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.760%		
66) 1,2-Dichlorobenzene-d4	11.561	152	89552	49.310	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.620%		
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	23505	12.988	ug/L	98
19) 1,1-Dichloroethane	3.117	63	26244	9.211	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	28277	16.776	ug/L	93
30) 1,1,1-Trichloroethane	4.516	97	4082	1.382	ug/L #	87
33) Benzene	5.014	78	6649	1.043	ug/L	100
51) Chlorobenzene	8.815	112	263216	54.053	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	11276	3.673	ug/L	96
67) 1,2-Dichlorobenzene	11.580	146	6010	2.024	ug/L #	92

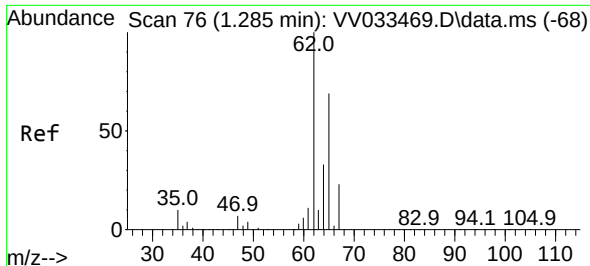
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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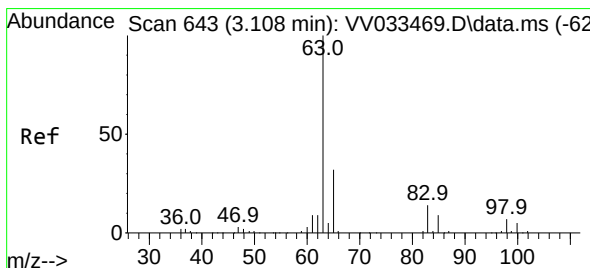
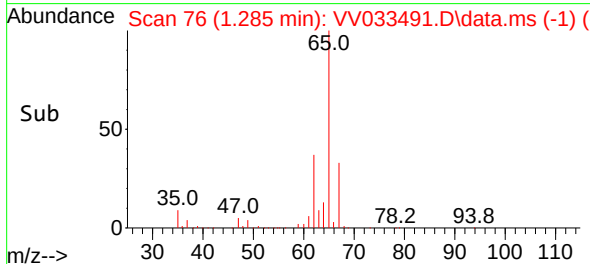
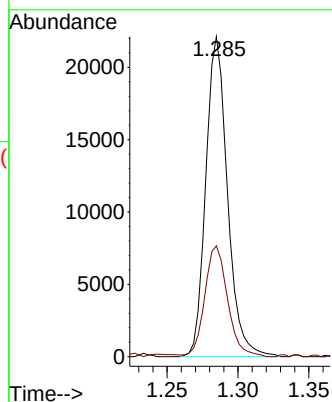
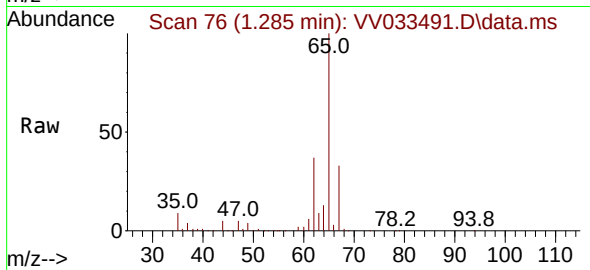




#5
 Vinyl chloride
 Concen: 12.988 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VV033491.D
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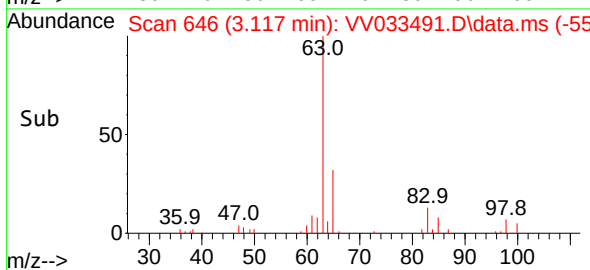
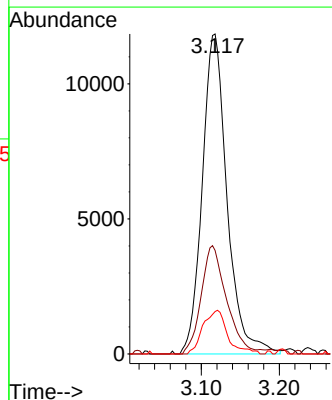
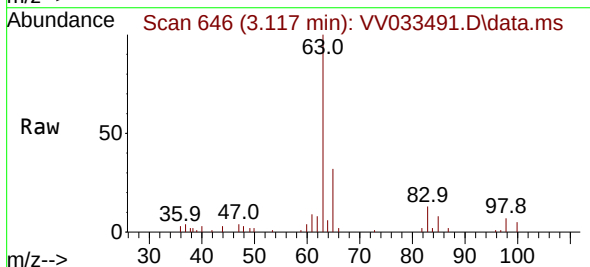
Instrument :
 MSVOA_V
 ClientSampleId :
 BH3N1

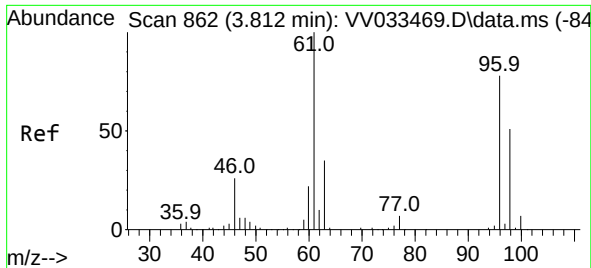
Tgt Ion: 62 Resp: 23505
 Ion Ratio Lower Upper
 62 100
 64 34.6 23.4 43.6



#19
 1,1-Dichloroethane
 Concen: 9.211 ug/L
 RT: 3.117 min Scan# 646
 Delta R.T. 0.010 min
 Lab File: VV033491.D
 Acq: 19 Dec 2023 20:23

Tgt Ion: 63 Resp: 26244
 Ion Ratio Lower Upper
 63 100
 65 32.4 21.1 39.3
 83 13.2 9.7 17.9



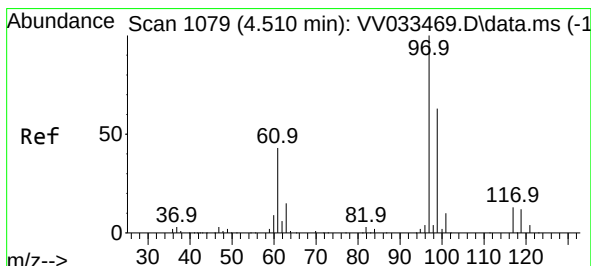
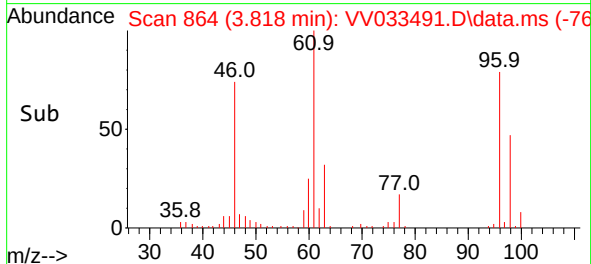
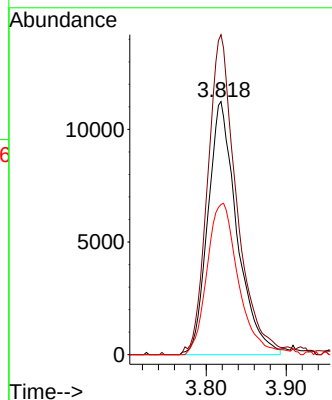
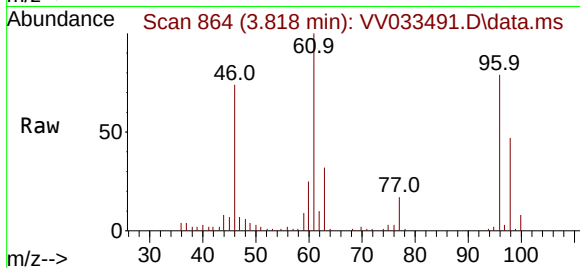


#20
 cis-1,2-Dichloroethene
 Concen: 16.776 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VV033491.D
 Acq: 19 Dec 2023 20:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3N1

Tgt Ion: 96 Resp: 28277

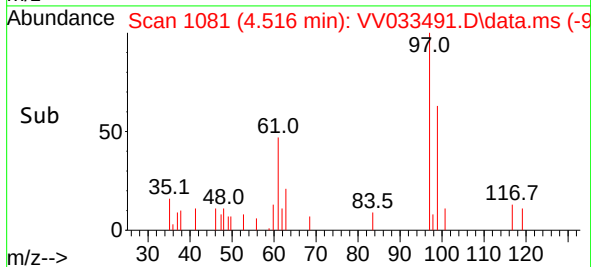
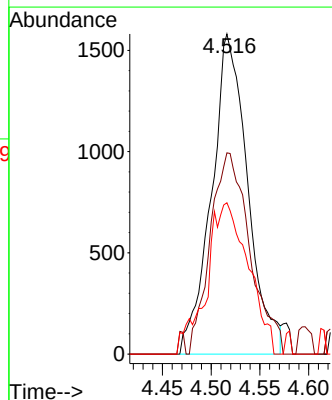
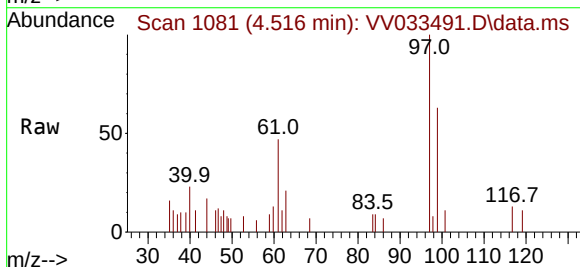
Ion	Ratio	Lower	Upper
96	100		
61	126.4	81.9	152.1
98	59.3	44.3	82.3

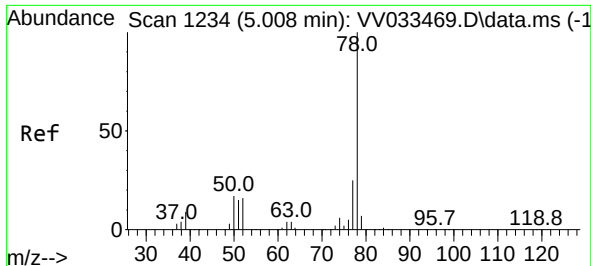


#30
 1,1,1-Trichloroethane
 Concen: 1.382 ug/L
 RT: 4.516 min Scan# 1081
 Delta R.T. 0.006 min
 Lab File: VV033491.D
 Acq: 19 Dec 2023 20:23

Tgt Ion: 97 Resp: 4082

Ion	Ratio	Lower	Upper
97	100		
99	69.0	51.8	77.6
61	28.1	34.8	52.2

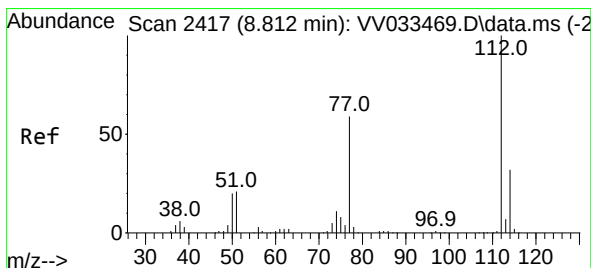
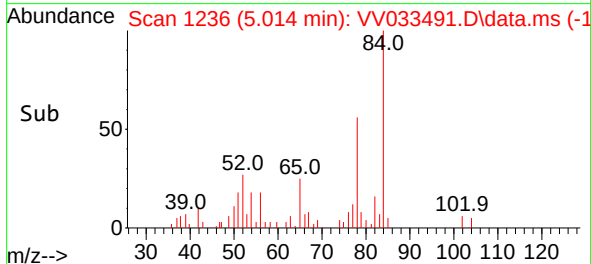
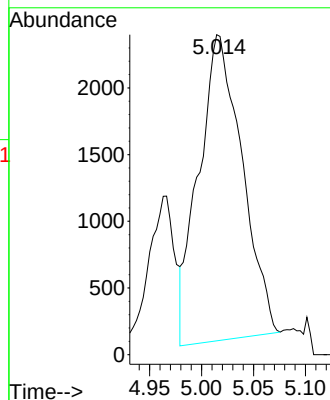
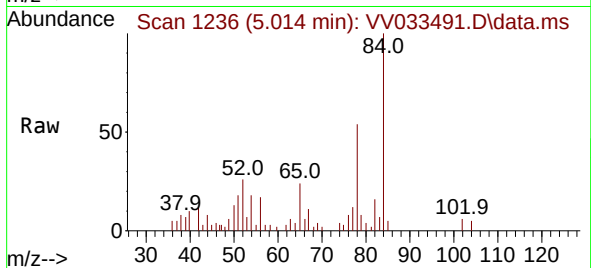




#33
Benzene
Concen: 1.043 ug/L
RT: 5.014 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV033491.D
Acq: 19 Dec 2023 20:23

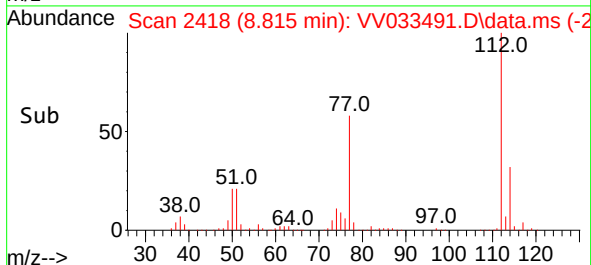
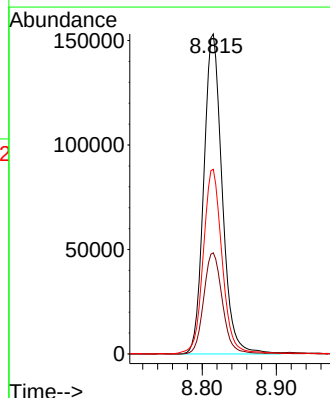
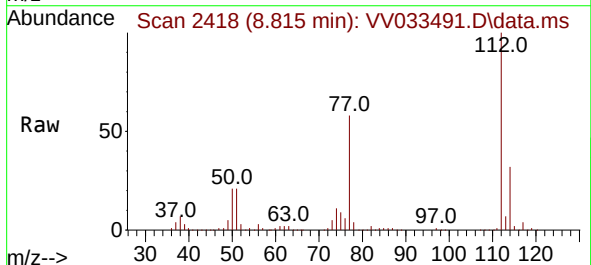
Instrument :
MSVOA_V
ClientSampleId :
BH3N1

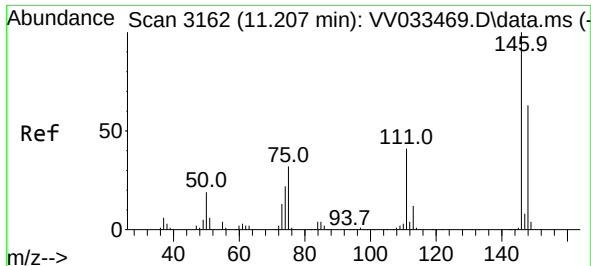
Tgt Ion: 78 Resp: 6649



#51
Chlorobenzene
Concen: 54.053 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV033491.D
Acq: 19 Dec 2023 20:23

Tgt Ion: 112 Resp: 263216
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.7
77 57.7 45.2 67.8

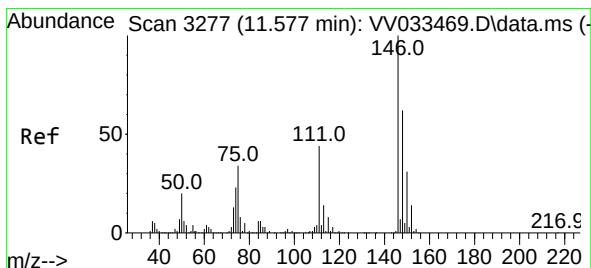
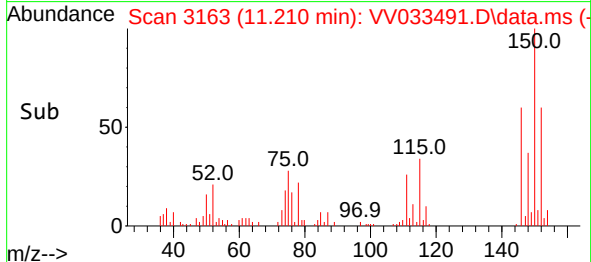
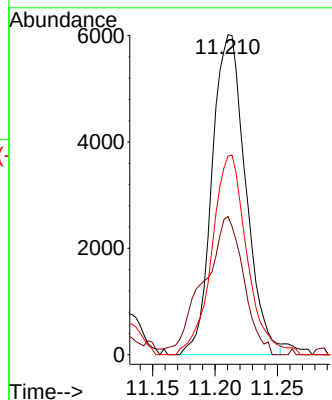
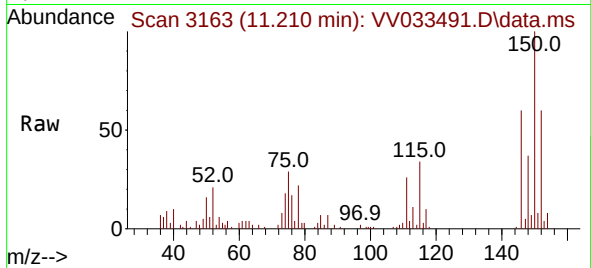




#65
1,4-Dichlorobenzene
Concen: 3.673 ug/L
RT: 11.210 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV033491.D
Acq: 19 Dec 2023 20:23

Instrument :
MSVOA_V
ClientSampleId :
BH3N1

Tgt Ion:146 Resp: 11276
Ion Ratio Lower Upper
146 100
111 43.2 27.9 51.7
148 62.1 45.5 84.5



#67
1,2-Dichlorobenzene
Concen: 2.024 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. 0.003 min
Lab File: VV033491.D
Acq: 19 Dec 2023 20:23

Tgt Ion:146 Resp: 6010
Ion Ratio Lower Upper
146 100
111 53.9 33.5 50.3#
148 63.3 51.1 76.7

