

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053539.D
 Acq On : 03 Apr 2023 23:33
 Operator : JC/MD
 Sample : 02158-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7D(20230329)

Quant Time: Apr 04 06:57:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	252686	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239154	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	129678	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	94541	48.050	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.100%		
7) Chloroethane-d5	1.909	69	80332	52.953	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	105.900%		
11) 1,1-Dichloroethene-d2	2.562	63	114092	37.460	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.920%		
21) 2-Butanone-d5	4.613	46	109267	122.658	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	122.660%		
24) Chloroform-d	5.057	84	164687	50.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.220%		
26) 1,2-Dichloroethane-d4	5.694	65	104439	54.316	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.640%		
32) Benzene-d6	5.723	84	336859	52.182	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.360%		
36) 1,2-Dichloropropane-d6	6.684	67	104724	53.075	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	106.160%		
41) Toluene-d8	7.893	98	315651	49.197	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.400%		
43) trans-1,3-Dichloroprop...	8.176	79	50543	49.624	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.240%		
47) 2-Hexanone-d5	8.626	63	85515	126.989	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	126.990%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	152845	54.960	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.920%		
66) 1,2-Dichlorobenzene-d4	12.189	152	131268	48.495	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.980%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	6883	3.524	ug/L #	77
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1399	0.804	ug/L #	22
12) 1,1-Dichloroethene	2.575	96	2237	1.443	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	11672	7.490	ug/L	97
19) 1,1-Dichloroethane	3.864	63	39560	15.326	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	119584	66.441	ug/L	88
33) Benzene	5.771	78	18003	2.889	ug/L	100
37) 1,2-Dichloropropane	6.684	63	11755	7.430	ug/L #	86
44) trans-1,3-Dichloropropene	8.176	75	2390	0.978	ug/L	98
46) Tetrachloroethene	8.549	164	2045	1.308	ug/L	95
49) Dibromochloromethane	8.549	129	2285	1.265	ug/L #	11
51) Chlorobenzene	9.443	112	145661	29.939	ug/L	96
60) 1,2,3-Trichloropropane	11.742	75	63050	33.532	ug/L #	48
64) 1,3-Dichlorobenzene	11.742	146	215467	53.784	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	1184206	290.030	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	19022	4.764	ug/L	95
69) 1,3,5-Trichlorobenzene	13.838	180	18306	6.171	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	18306	6.655	ug/L	98

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QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration

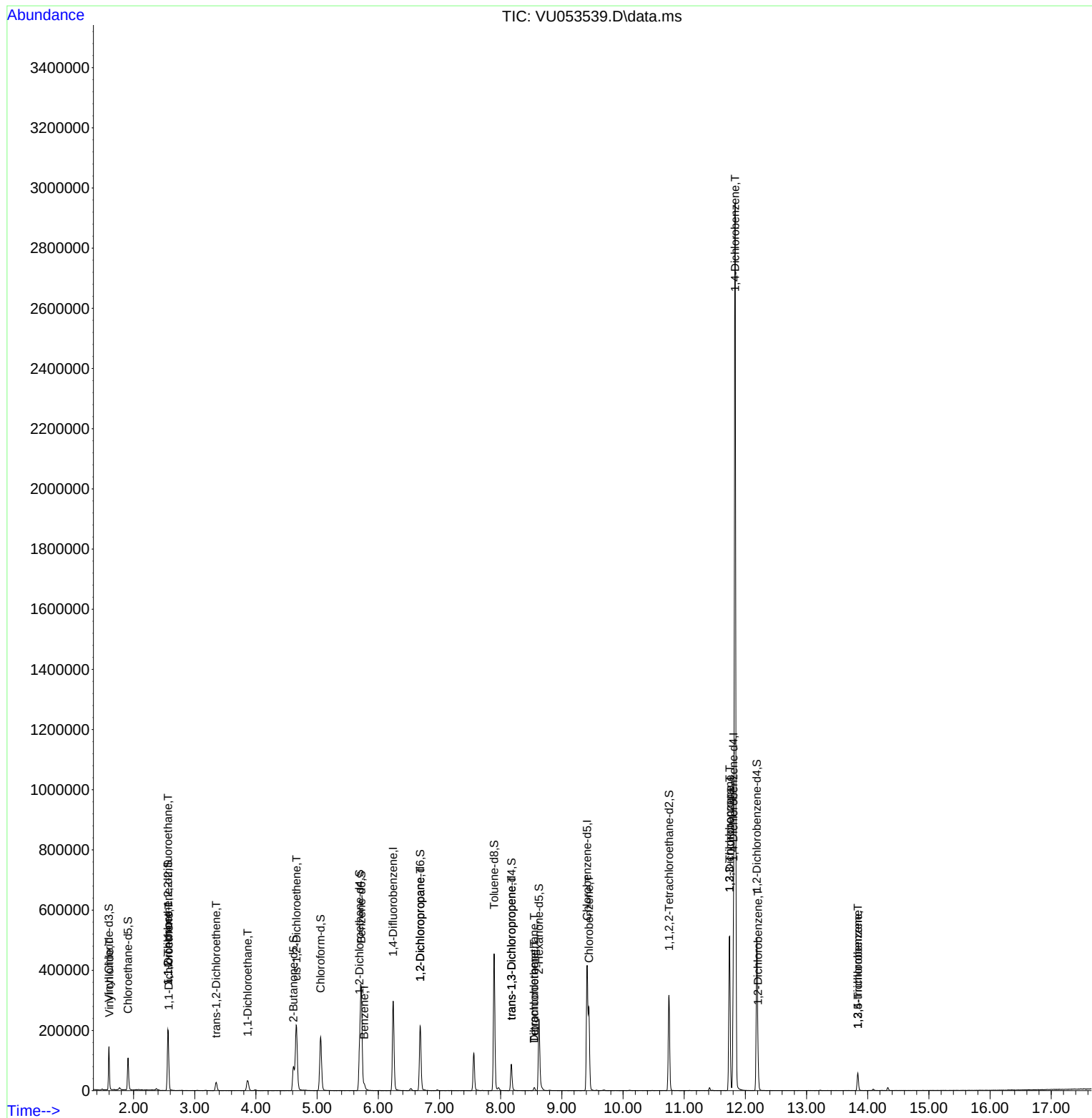
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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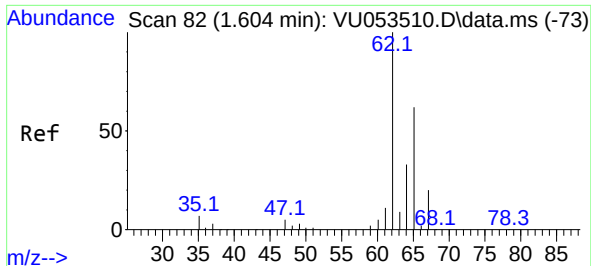
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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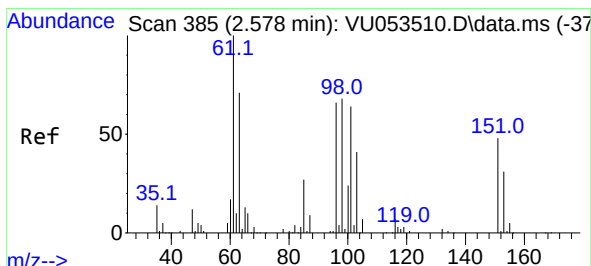
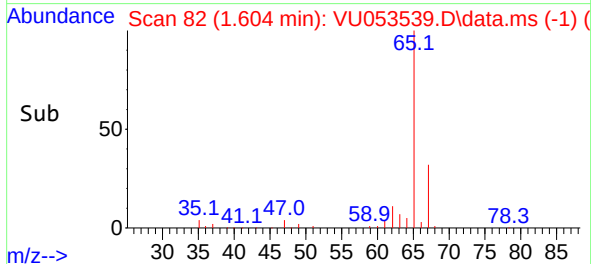
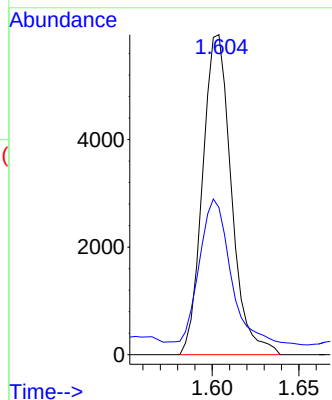
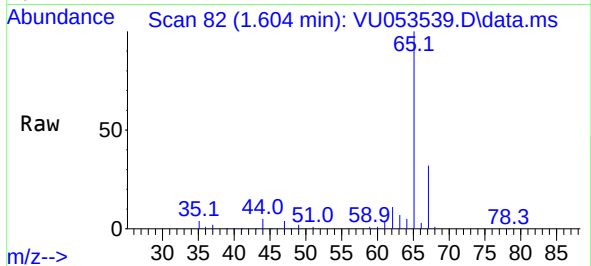




#5
 Vinyl chloride
 Concen: 3.524 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053539.D
 Acq: 03 Apr 2023 23:33

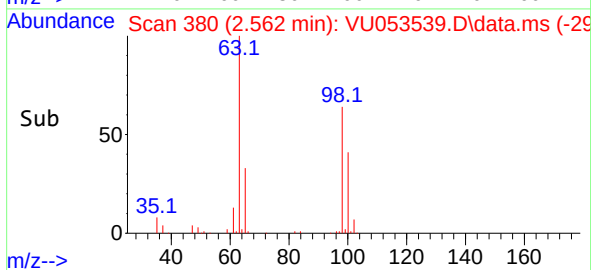
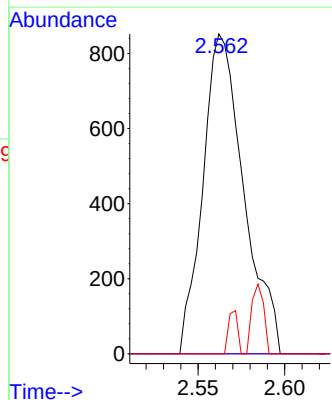
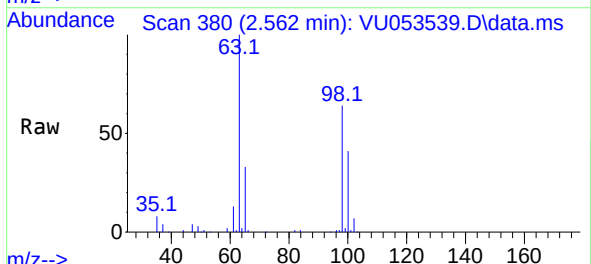
Instrument :
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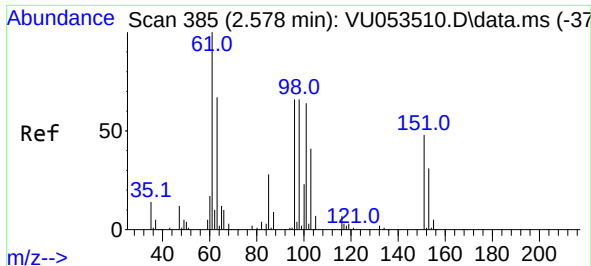
Tgt Ion: 62 Resp: 6883
 Ion Ratio Lower Upper
 62 100
 64 46.0 23.2 43.0#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.804 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU053539.D
 Acq: 03 Apr 2023 23:33

Tgt Ion: 101 Resp: 1399
 Ion Ratio Lower Upper
 101 100
 85 5.1 32.6 48.8#
 151 3.1 65.8 98.6#

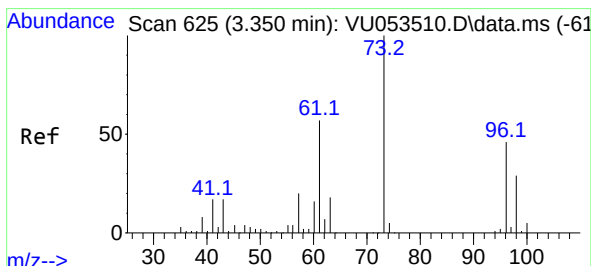
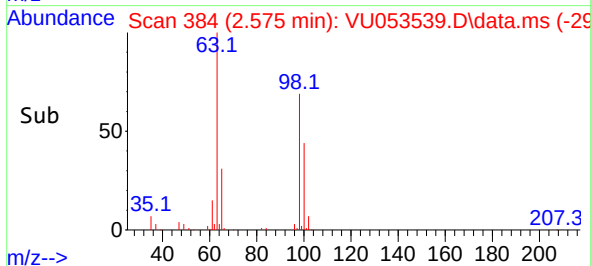
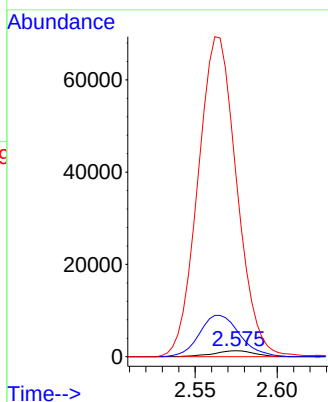
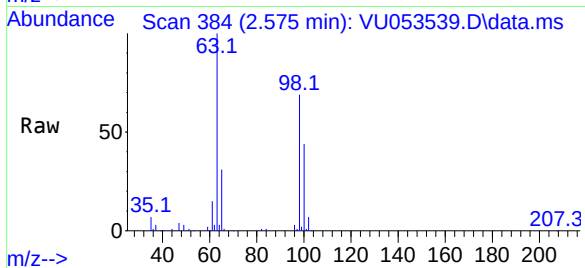




#12
1,1-Dichloroethene
Concen: 1.443 ug/L
RT: 2.575 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

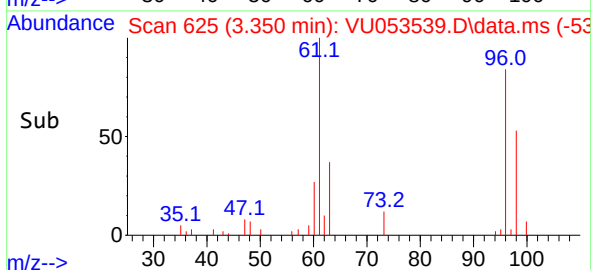
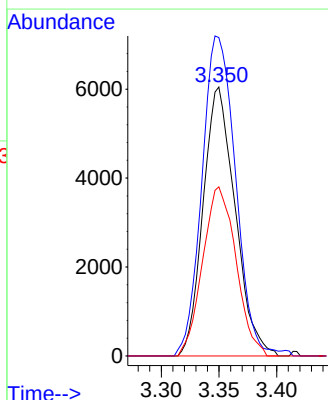
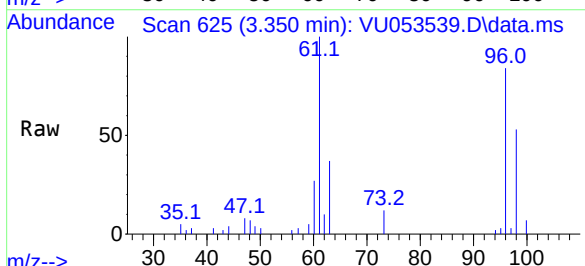
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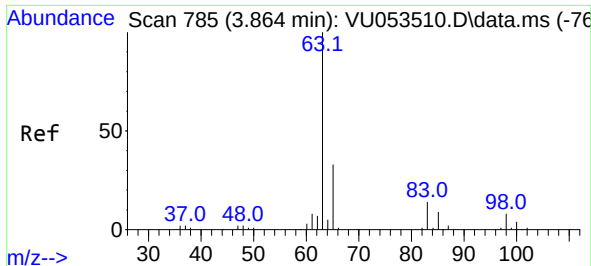
Tgt Ion: 96 Resp: 2237
Ion Ratio Lower Upper
96 100
61 457.8 107.9 200.5#
63 3026.0 79.1 146.9#



#17
trans-1,2-Dichloroethene
Concen: 7.490 ug/L
RT: 3.350 min Scan# 625
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion: 96 Resp: 11672
Ion Ratio Lower Upper
96 100
61 118.4 84.4 156.8
98 62.9 46.0 85.4

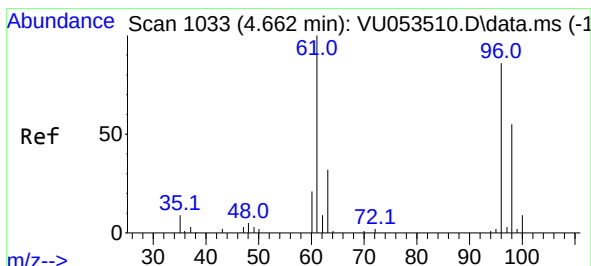
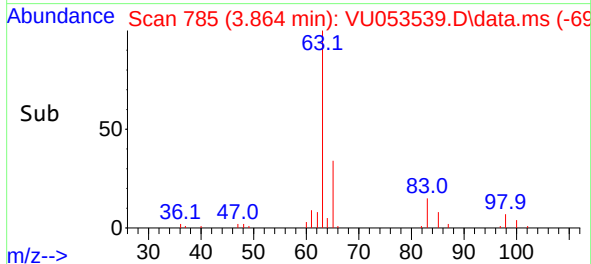
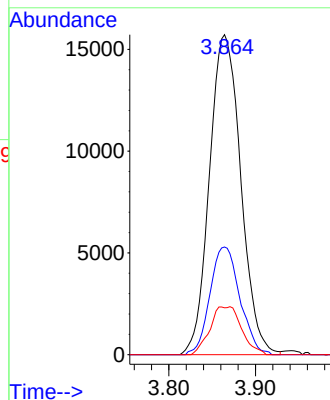
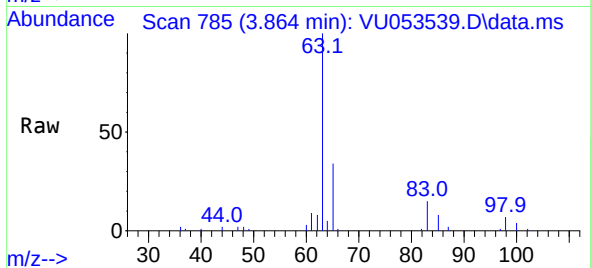




#19
1,1-Dichloroethane
Concen: 15.326 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

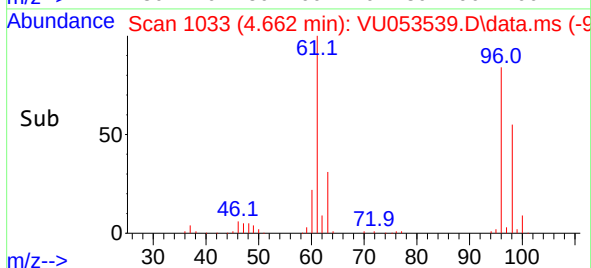
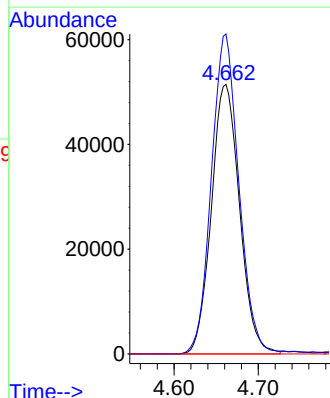
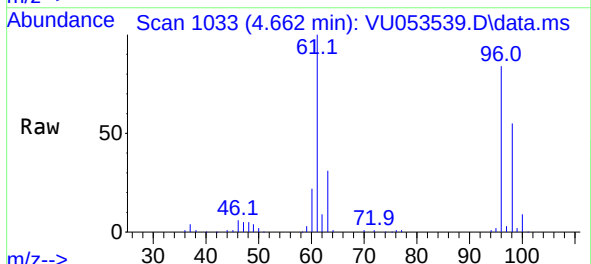
Instrument :
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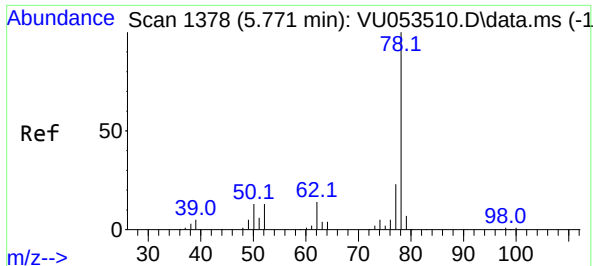
Tgt Ion:	63	Resp:	39560
Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.0	41.0
83	14.7	10.8	20.0



#20
cis-1,2-Dichloroethene
Concen: 66.441 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion:	96	Resp:	119584
Ion	Ratio	Lower	Upper
96	100		
61	118.7	74.7	138.7
68	0.0	0.0	0.0

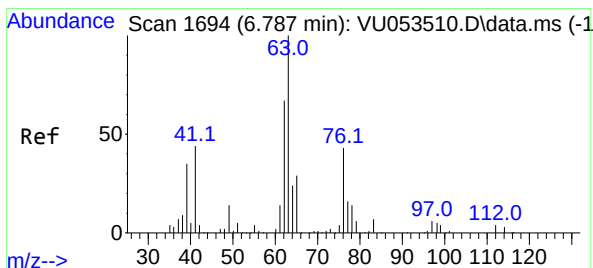
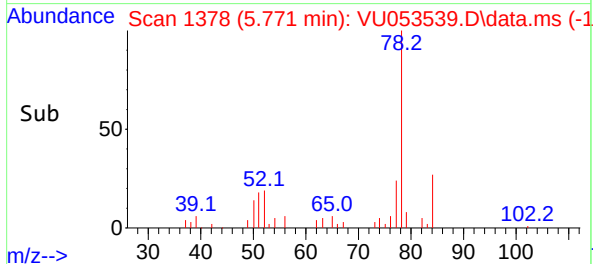
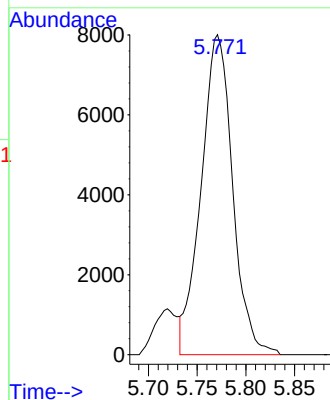
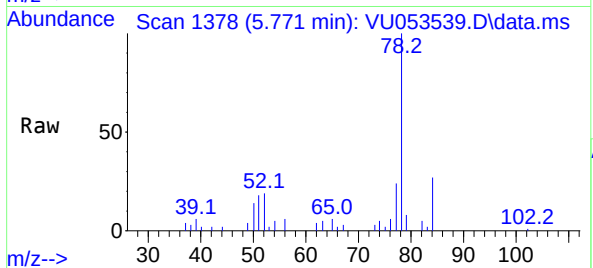




#33
Benzene
Concen: 2.889 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

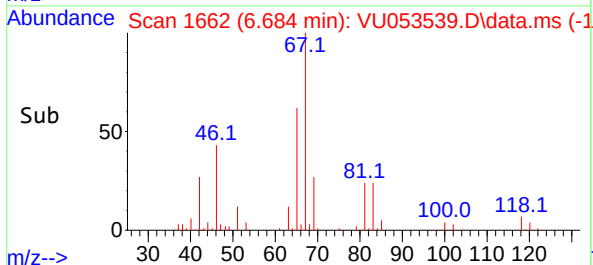
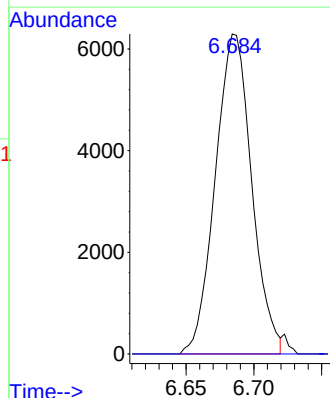
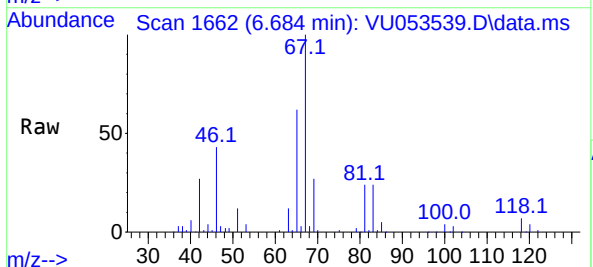
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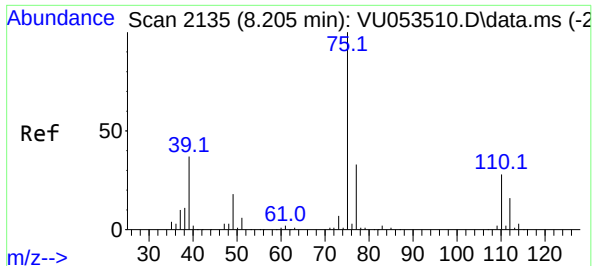
Tgt Ion: 78 Resp: 18003



#37
1,2-Dichloropropane
Concen: 7.430 ug/L
RT: 6.684 min Scan# 1662
Delta R.T. -0.100 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion: 63 Resp: 11755
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

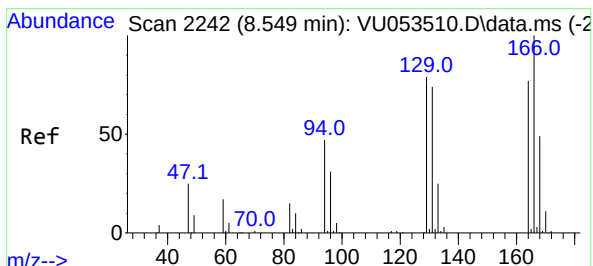
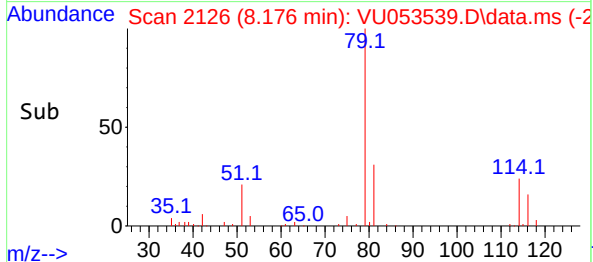
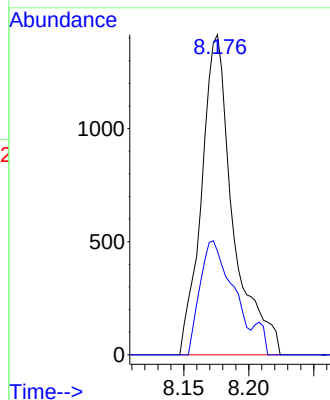
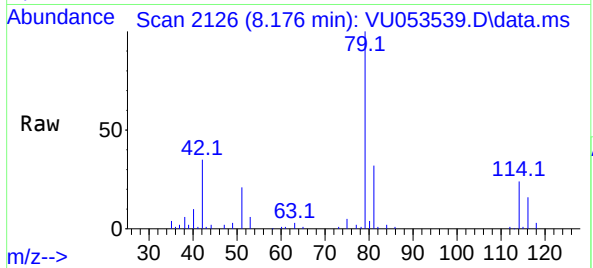




#44
trans-1,3-Dichloropropene
Concen: 0.978 ug/L
RT: 8.176 min Scan# 2135
Delta R.T. -0.029 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

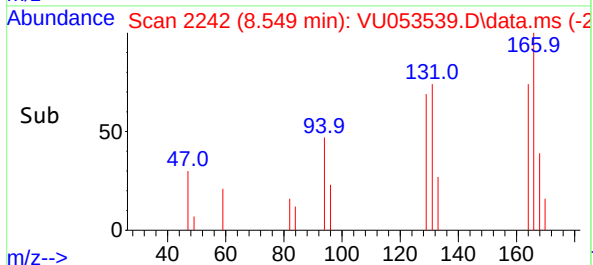
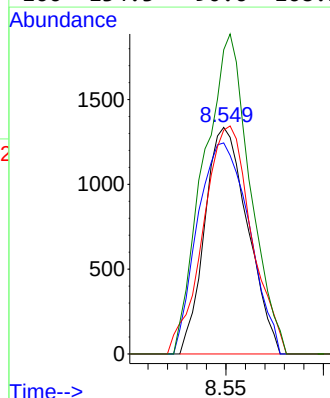
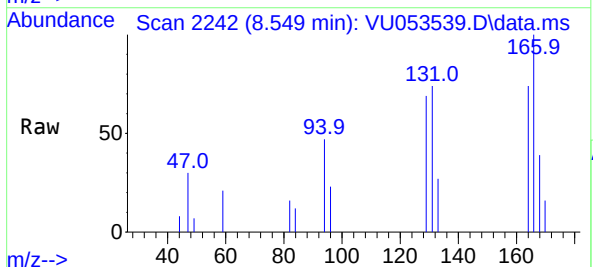
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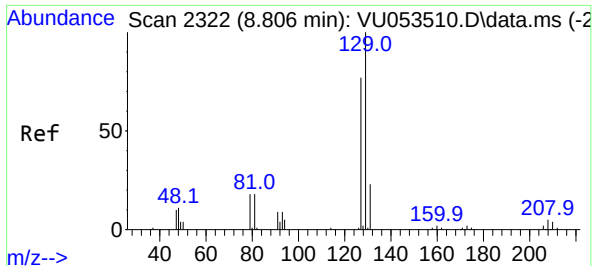
Tgt Ion: 75 Resp: 2390
Ion Ratio Lower Upper
75 100
77 32.4 21.8 40.4



#46
Tetrachloroethene
Concen: 1.308 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion:164 Resp: 2045
Ion Ratio Lower Upper
164 100
129 93.1 64.0 119.0
131 98.8 61.9 115.1
166 134.3 90.6 168.2

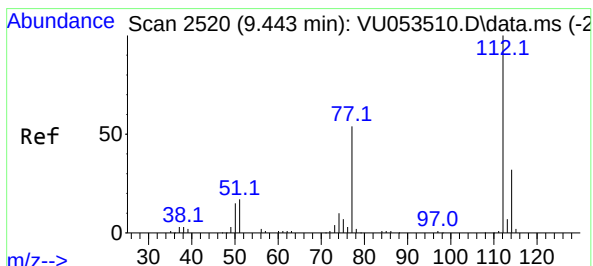
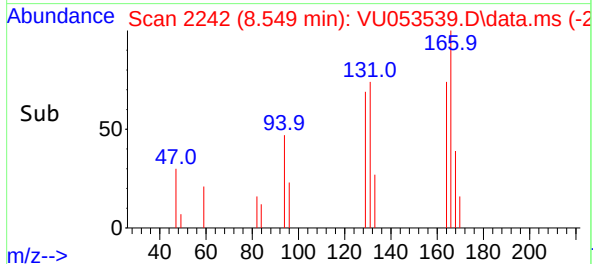
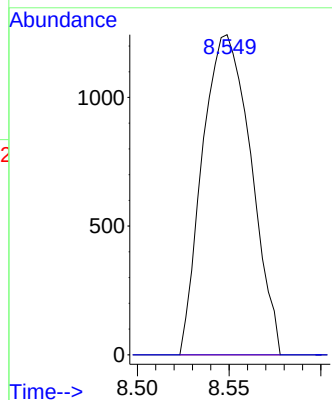
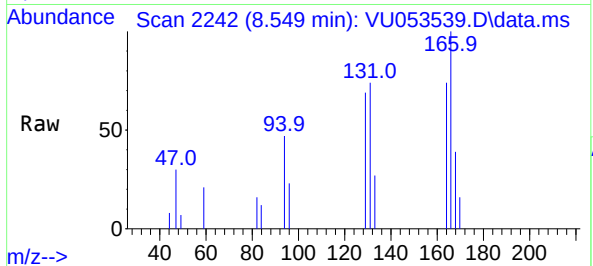




#49
Dibromochloromethane
Concen: 1.265 ug/L
RT: 8.549 min Scan# 211
Delta R.T. -0.254 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

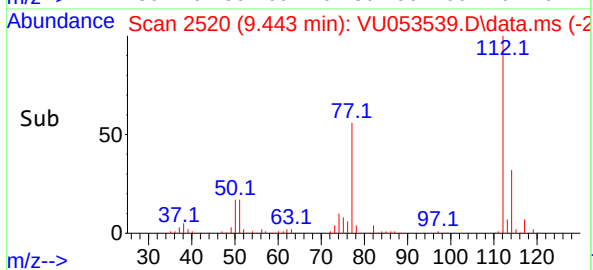
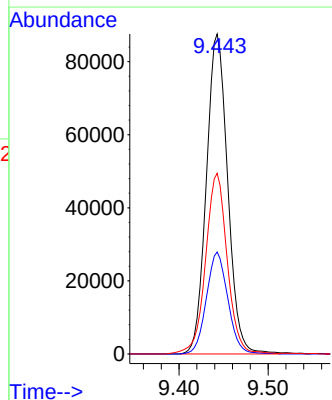
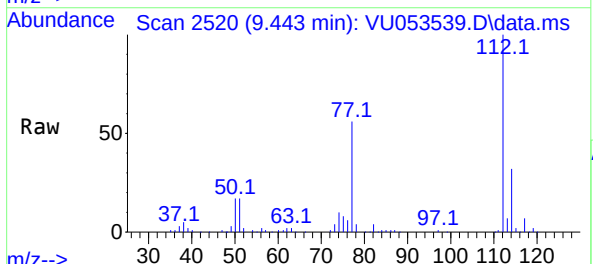
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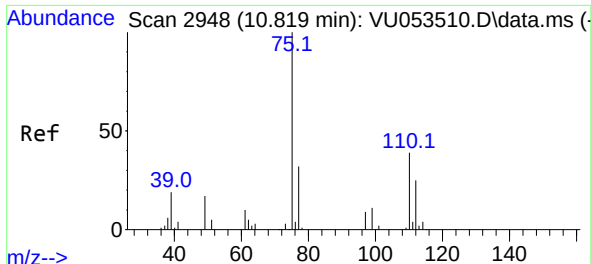
Tgt Ion:129 Resp: 2285
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#



#51
Chlorobenzene
Concen: 29.939 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion:112 Resp: 145661
Ion Ratio Lower Upper
112 100
114 31.8 22.2 41.2
77 56.5 41.3 61.9

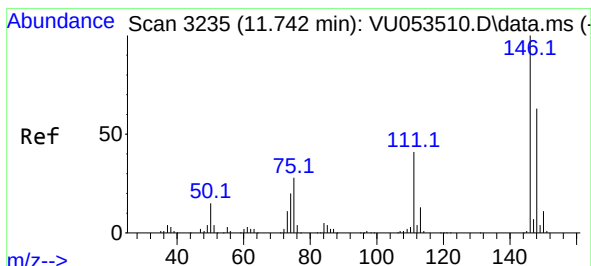
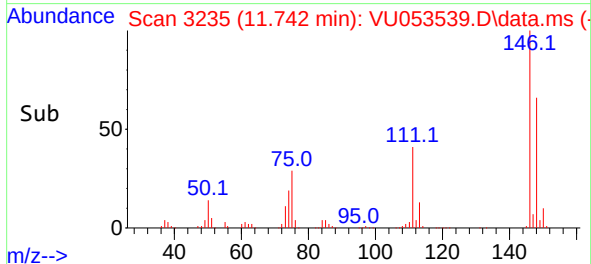
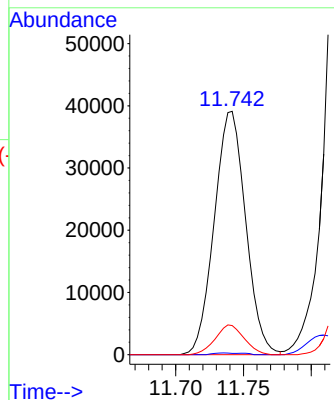
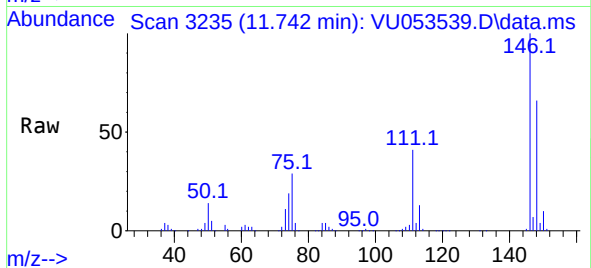




#60
1,2,3-Trichloropropane
Concen: 33.532 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.926 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

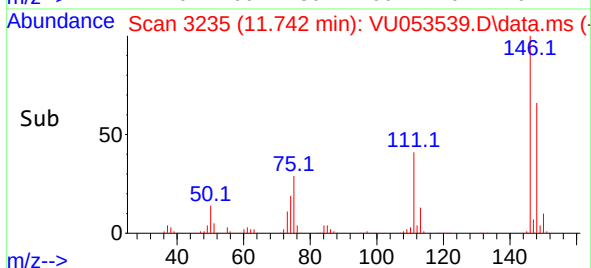
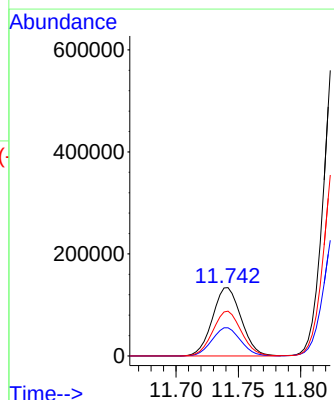
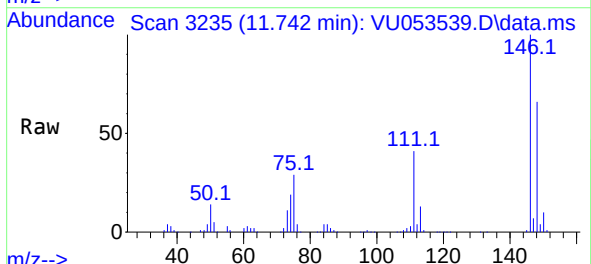
Instrument :
MSVOA_U
ClientSampleId :
PMW-7D(20230329)

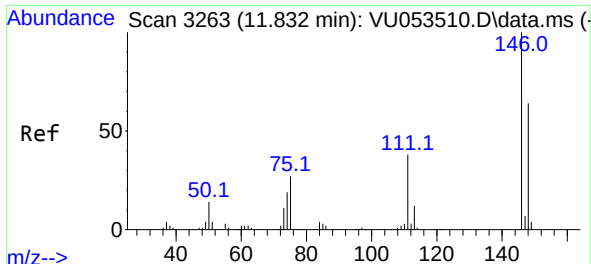
Tgt Ion: 75 Resp: 63050
Ion Ratio Lower Upper
75 100
77 0.5 26.0 39.0#
110 11.2 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 53.784 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion:146 Resp: 215467
Ion Ratio Lower Upper
146 100
111 41.3 25.7 47.7
148 65.5 44.2 82.2

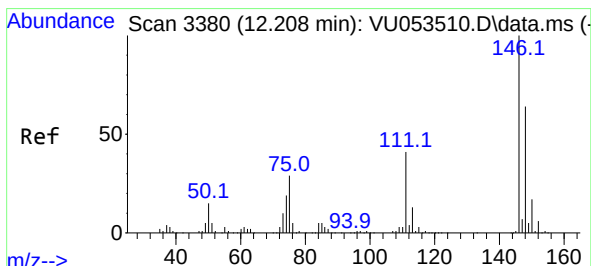
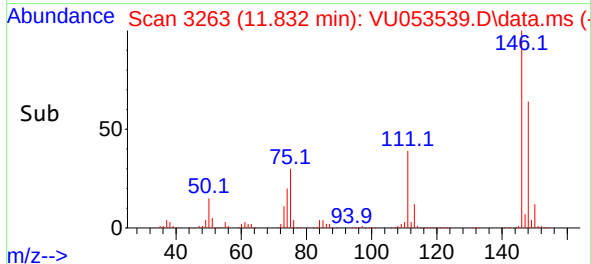
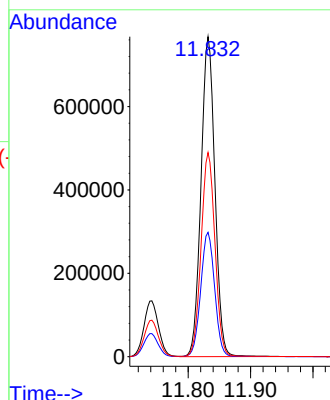
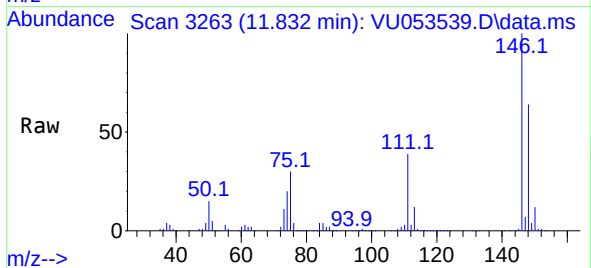




#65
1,4-Dichlorobenzene
Concen: 290.030 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

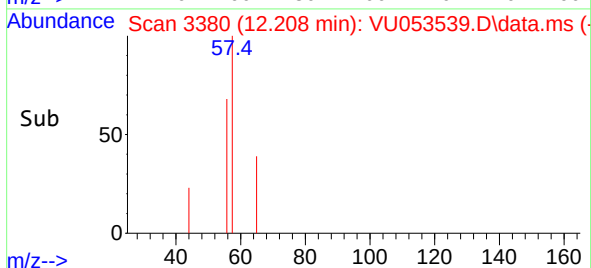
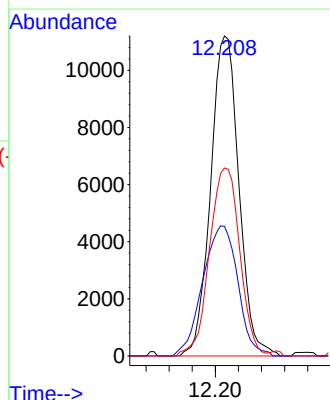
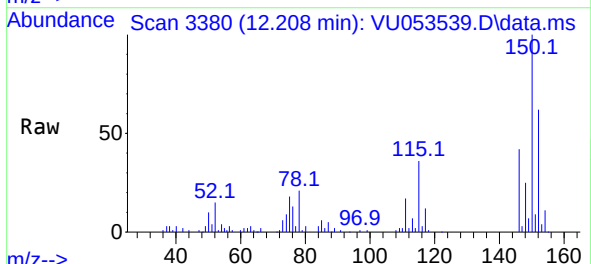
Instrument :
MSVOA_U
ClientSampleId :
PMW-7D(20230329)

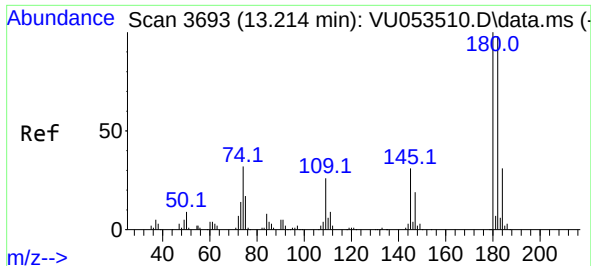
Tgt Ion:146 Resp: 1184206
Ion Ratio Lower Upper
146 100
111 38.8 25.1 46.5
148 63.8 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 4.764 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion:146 Resp: 19022
Ion Ratio Lower Upper
146 100
111 40.5 31.5 47.3
148 58.8 51.6 77.4

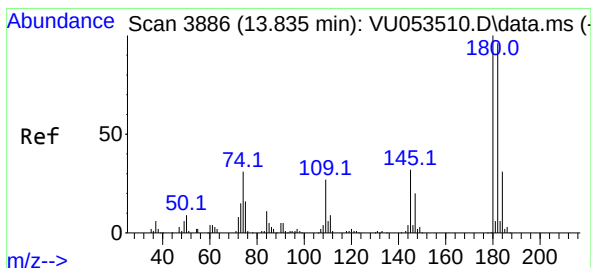
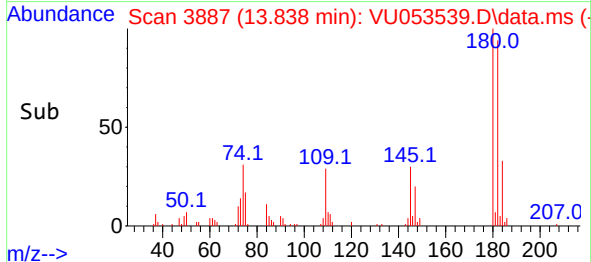
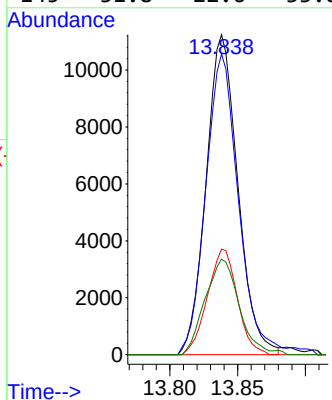
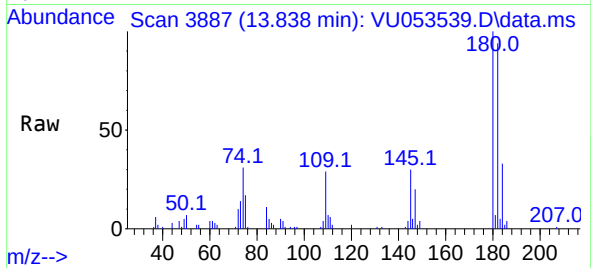




#69
 1,3,5-Trichlorobenzene
 Concen: 6.171 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.624 min
 Lab File: VU053539.D
 Acq: 03 Apr 2023 23:33

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7D(20230329)

Tgt Ion:	180	Resp:	18306
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.6	113.4
184	31.0	24.2	36.2
145	31.8	22.6	33.8



#70
 1,2,4-trichlorobenzene
 Concen: 6.655 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.003 min
 Lab File: VU053539.D
 Acq: 03 Apr 2023 23:33

Tgt Ion:	180	Resp:	18306
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.8
145	31.8	23.4	35.2

