

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112822\
 Data File : VU052148.D
 Acq On : 28 Nov 2022 15:24
 Operator : JC/MD
 Sample : N5785-05DL 500X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COL75DL

Quant Time: Nov 28 21:46:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 28 21:44:47 2022
 Response via : Initial Calibration

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

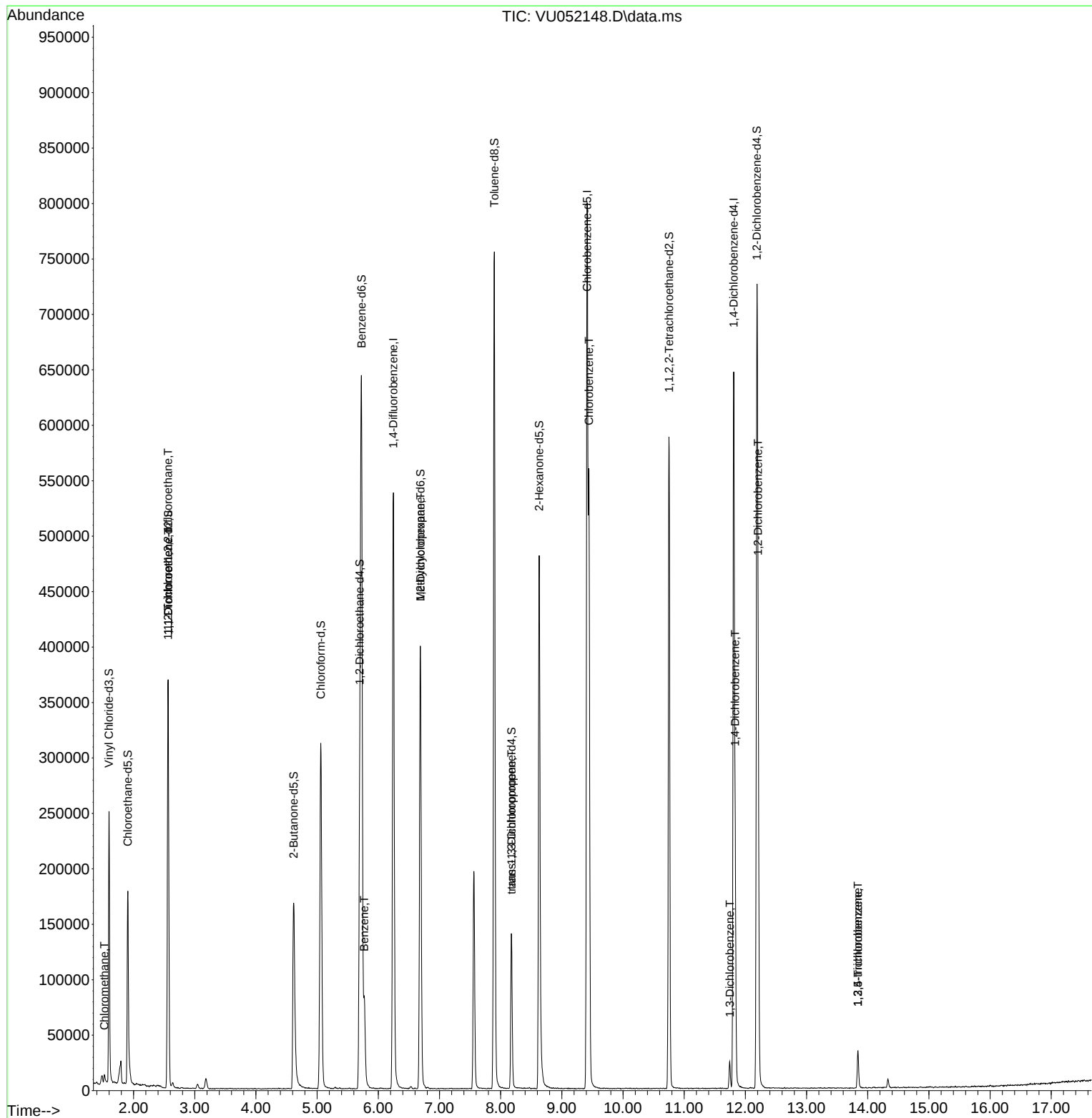
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	453287	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	444515	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	174883	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	184369	46.936	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.880%		
7) Chloroethane-d5	1.906	69	149977	48.210	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.420%		
11) 1,1-Dichloroethene-d2	2.565	63	220722	37.908	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.820%		
21) 2-Butanone-d5	4.617	46	238243	100.930	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.930%		
24) Chloroform-d	5.060	84	300233	46.650	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.300%		
26) 1,2-Dichloroethane-d4	5.697	65	183774	47.477	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.960%		
32) Benzene-d6	5.726	84	631034	47.627	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.260%		
36) 1,2-Dichloropropane-d6	6.687	67	203616	47.836	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.680%		
41) Toluene-d8	7.896	98	523977	44.262	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.520%		
43) trans-1,3-Dichloroprop...	8.176	79	79091	43.648	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.300%		
47) 2-Hexanone-d5	8.629	63	164520	99.082	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.080%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	308311	45.784	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.560%		
66) 1,2-Dichlorobenzene-d4	12.189	152	182719	50.524	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.040%		
Target Compounds						Qvalue
3) Chloromethane	1.524	50	5390	1.546	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	2007	0.730	ug/L #	20
12) 1,1-Dichloroethene	2.565	96	1703	0.649	ug/L #	1
33) Benzene	5.771	78	72278	5.489	ug/L	100
35) Methylcyclohexane	6.687	83	45175	10.728	ug/L #	21
44) trans-1,3-Dichloropropene	8.179	75	3364	0.723	ug/L	95
51) Chlorobenzene	9.443	112	291738	32.585	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	10799	2.088	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	84626	16.055	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	124705	23.008	ug/L	98
69) 1,3,5-Trichlorobenzene	13.838	180	11739	3.399	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	11739	4.232	ug/L	98

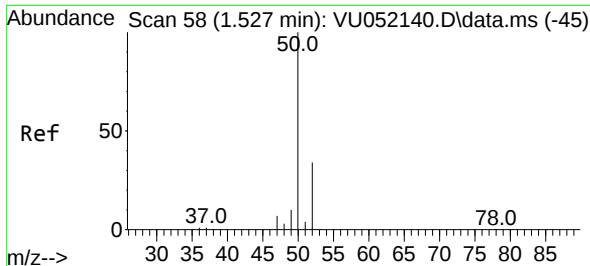
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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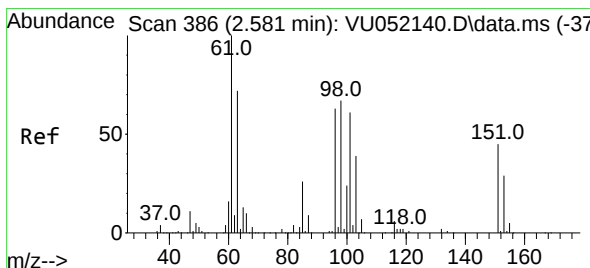
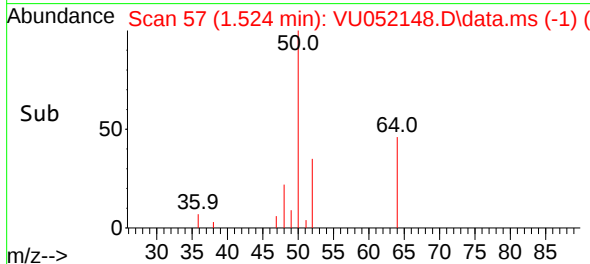
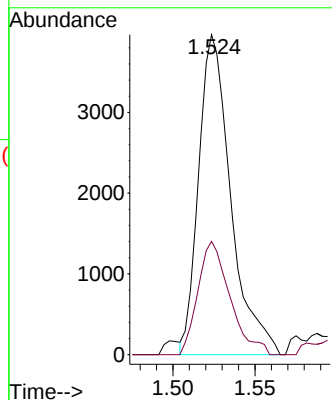
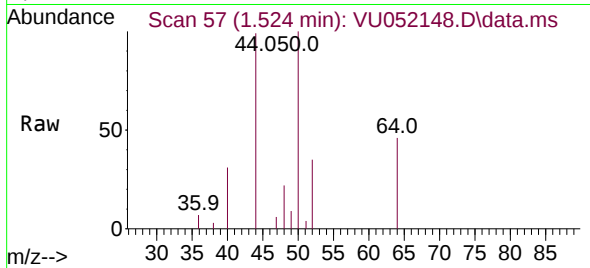




#3
Chloromethane
Concen: 1.546 ug/L
RT: 1.524 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

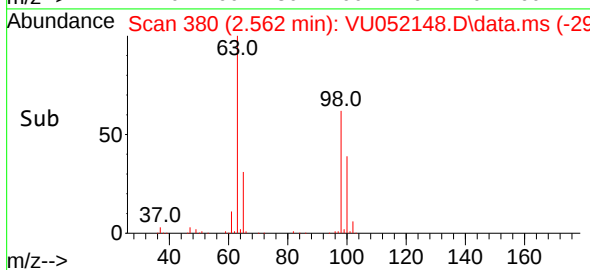
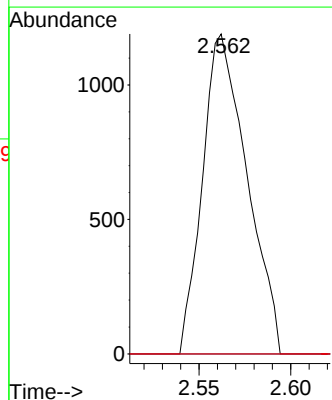
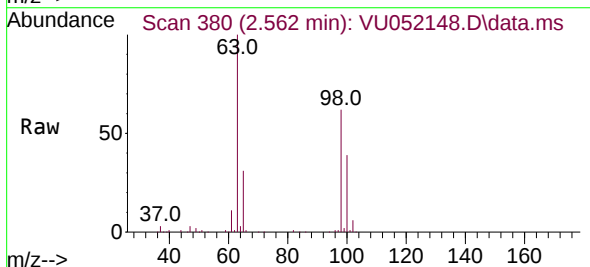
Instrument :
MSVOA_U
ClientSampleId :
COL75DL

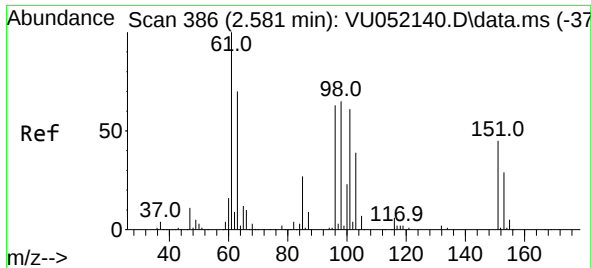
Tgt Ion: 50 Resp: 5390
Ion Ratio Lower Upper
50 100
52 35.4 23.1 42.9



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.730 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.019 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

Tgt Ion: 101 Resp: 2007
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 58.9 88.3#

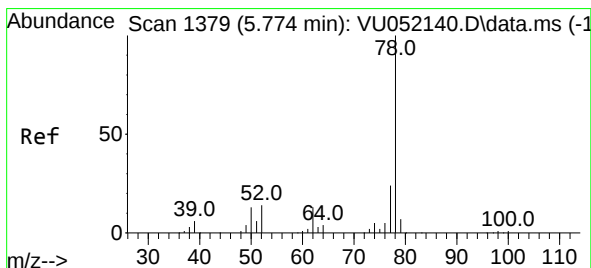
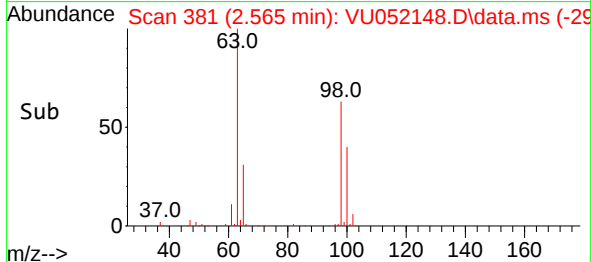
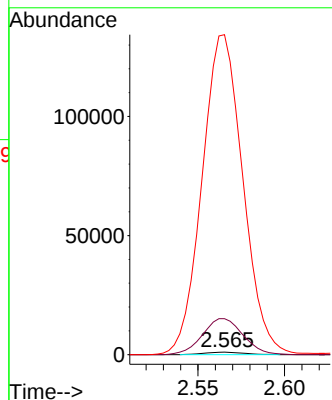
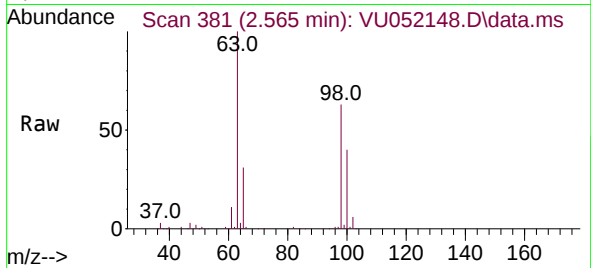




#12
1,1-Dichloroethene
Concen: 0.649 ug/L
RT: 2.565 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

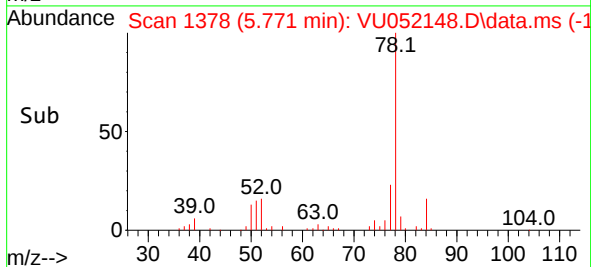
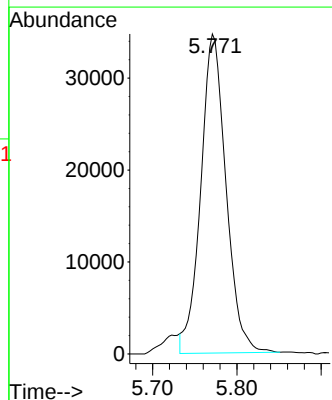
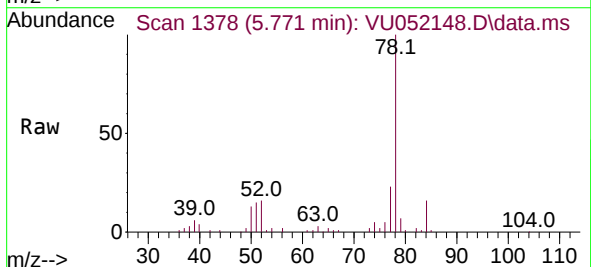
Instrument :
MSVOA_U
ClientSampleId :
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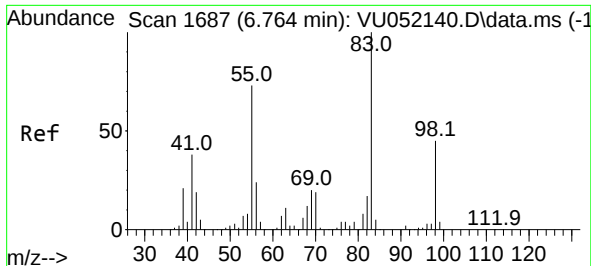
Tgt Ion: 96 Resp: 1703
Ion Ratio Lower Upper
96 100
61 1426.6 114.2 212.0#
63 12685.2 90.9 168.7#



#33
Benzene
Concen: 5.489 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

Tgt Ion: 78 Resp: 72278

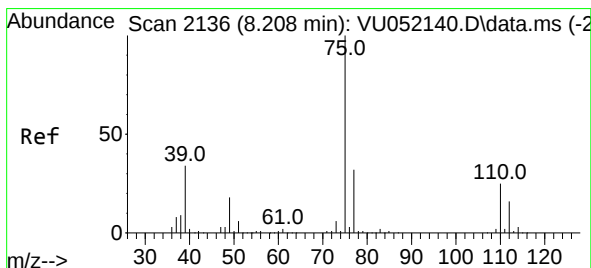
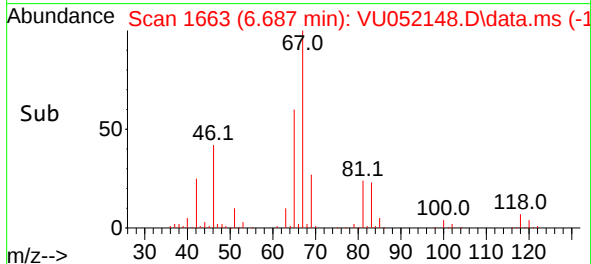
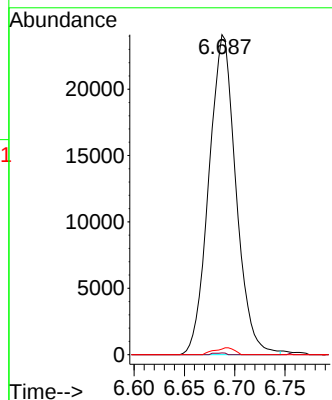
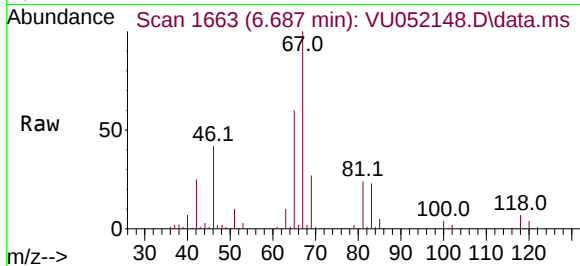




#35
Methylcyclohexane
Concen: 10.728 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.077 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

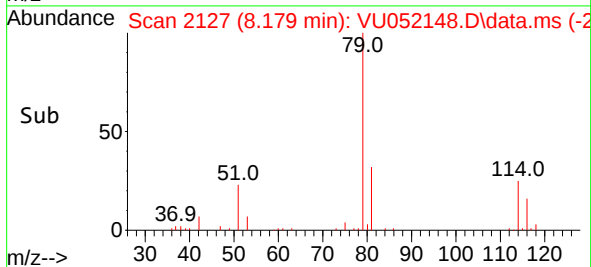
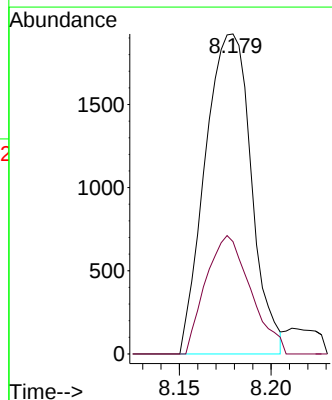
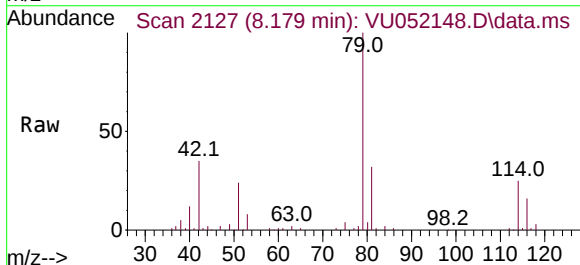
Instrument :
MSVOA_U
ClientSampleId :
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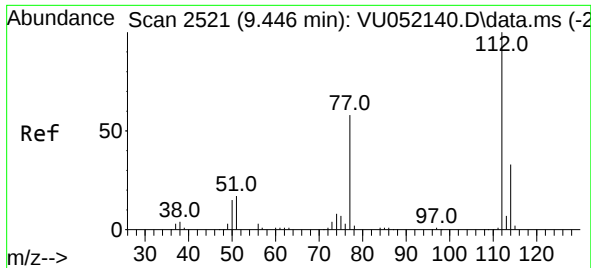
Tgt Ion: 83 Resp: 45175
Ion Ratio Lower Upper
83 100
55 0.2 59.0 88.6#
98 1.6 36.0 54.0#



#44
trans-1,3-Dichloropropene
Concen: 0.723 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.029 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

Tgt Ion: 75 Resp: 3364
Ion Ratio Lower Upper
75 100
77 35.1 22.7 42.1

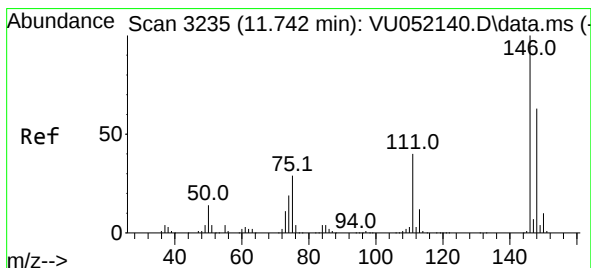
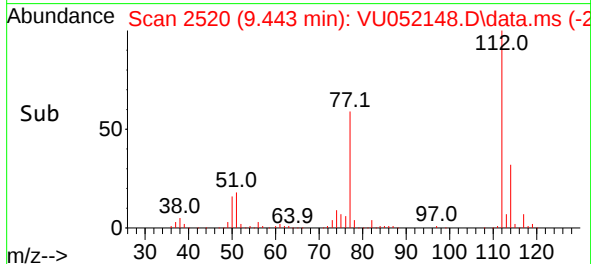
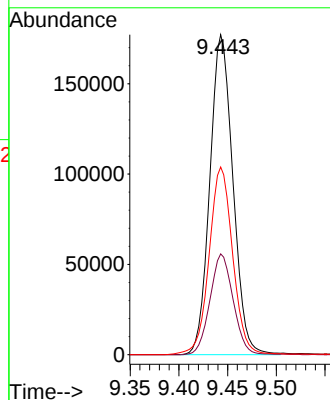
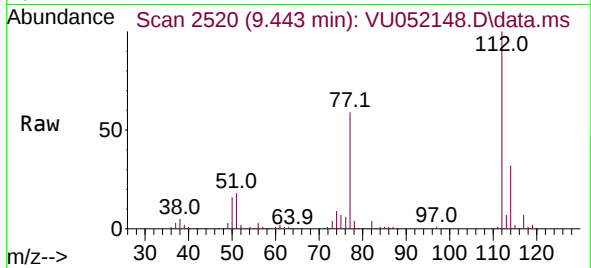




#51
Chlorobenzene
Concen: 32.585 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

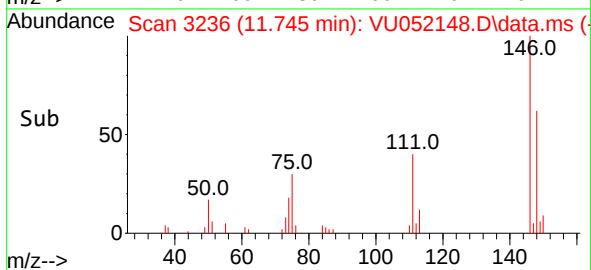
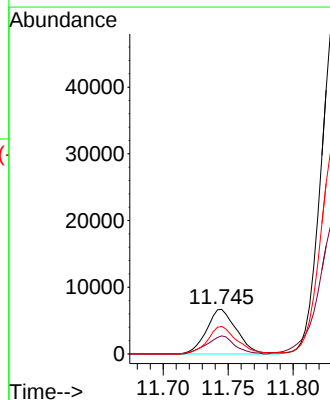
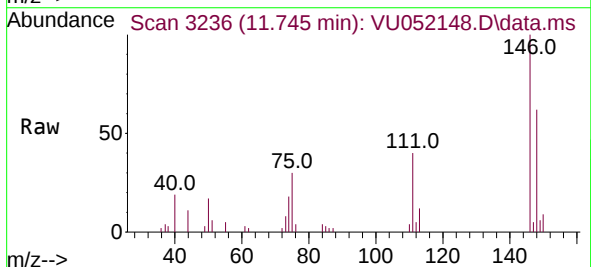
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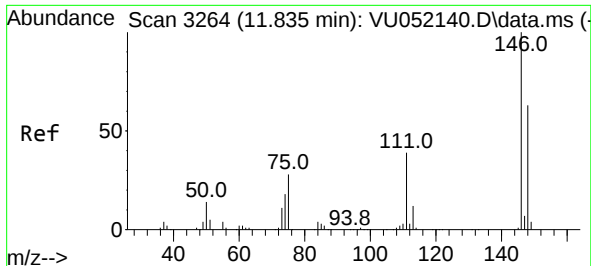
Tgt Ion:112 Resp: 291738
Ion Ratio Lower Upper
112 100
114 31.5 22.2 41.2
77 58.6 46.5 69.7



#64
1,3-Dichlorobenzene
Concen: 2.088 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

Tgt Ion:146 Resp: 10799
Ion Ratio Lower Upper
146 100
111 40.4 27.5 51.1
148 61.8 44.9 83.3

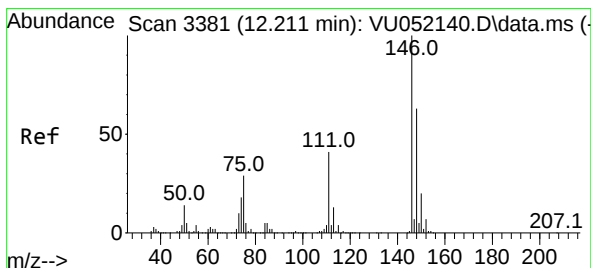
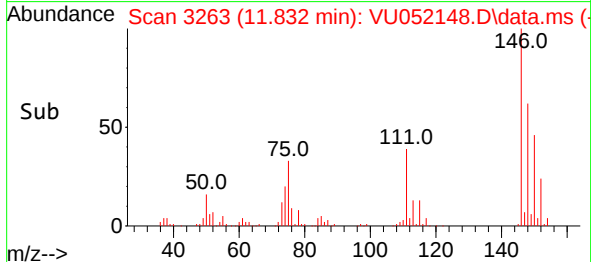
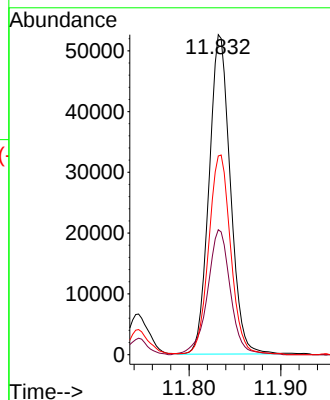
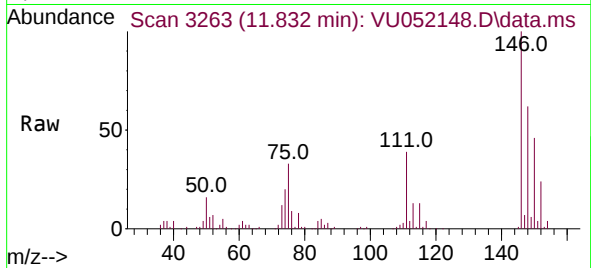




#65
1,4-Dichlorobenzene
Concen: 16.055 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

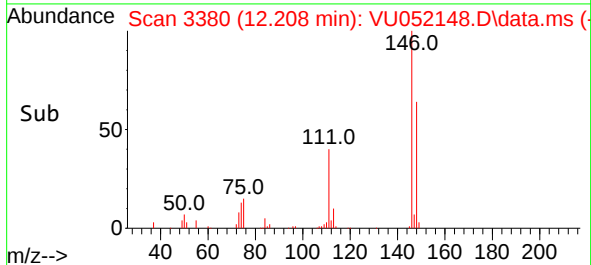
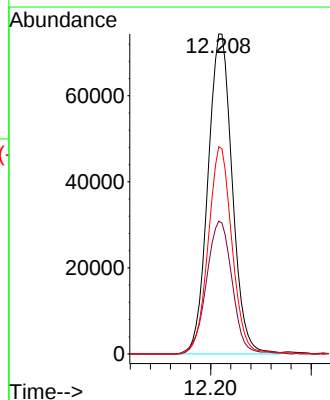
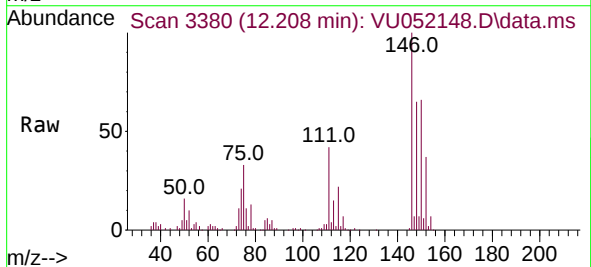
Instrument :
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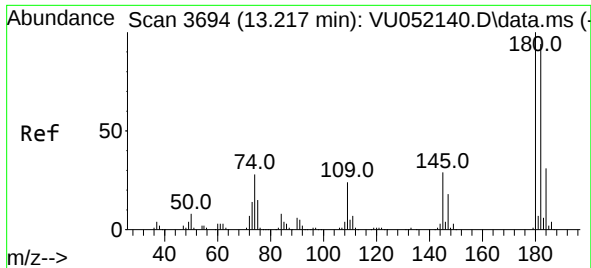
Tgt Ion:146 Resp: 84626
Ion Ratio Lower Upper
146 100
111 39.0 27.6 51.2
148 62.1 44.8 83.2



#67
1,2-Dichlorobenzene
Concen: 23.008 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

Tgt Ion:146 Resp: 124705
Ion Ratio Lower Upper
146 100
111 41.5 34.2 51.4
148 64.8 52.6 79.0

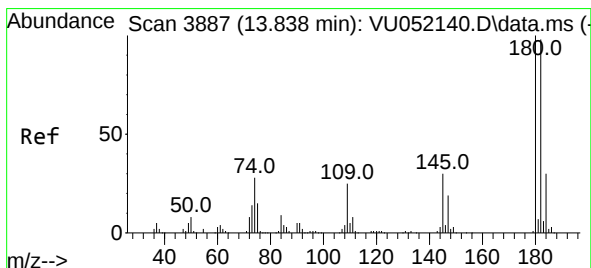
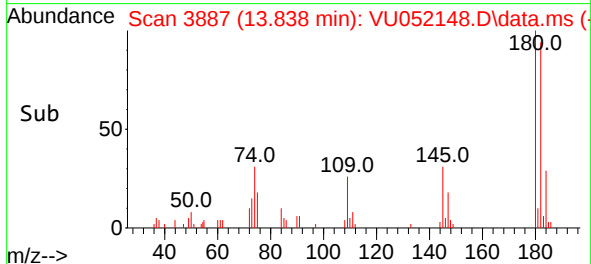
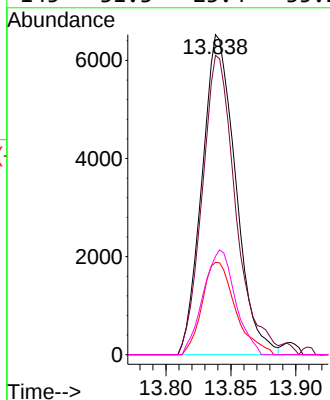
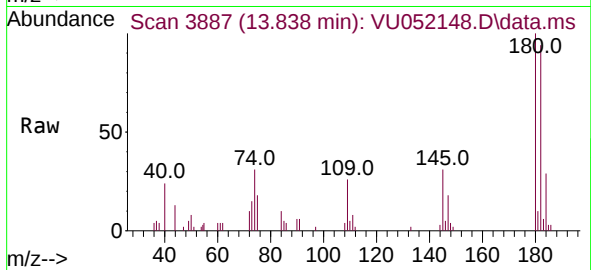




#69
1,3,5-Trichlorobenzene
Concen: 3.399 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.621 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:180	Resp:	11739
Ion Ratio	Lower	Upper
180	100	
182	92.6	77.2 115.8
184	28.6	24.6 36.8
145	31.3	23.4 35.2



#70
1,2,4-trichlorobenzene
Concen: 4.232 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.000 min
Lab File: VU052148.D
Acq: 28 Nov 2022 15:24

Tgt Ion:180	Resp:	11739
Ion Ratio	Lower	Upper
180	100	
182	92.6	75.4 113.2
145	31.3	23.4 35.0

