

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052890.D
 Acq On : 31 Jan 2023 19:37
 Operator : JC/MD
 Sample : 01381-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:59:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 00:53:48 2023
 Response via : Initial Calibration

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

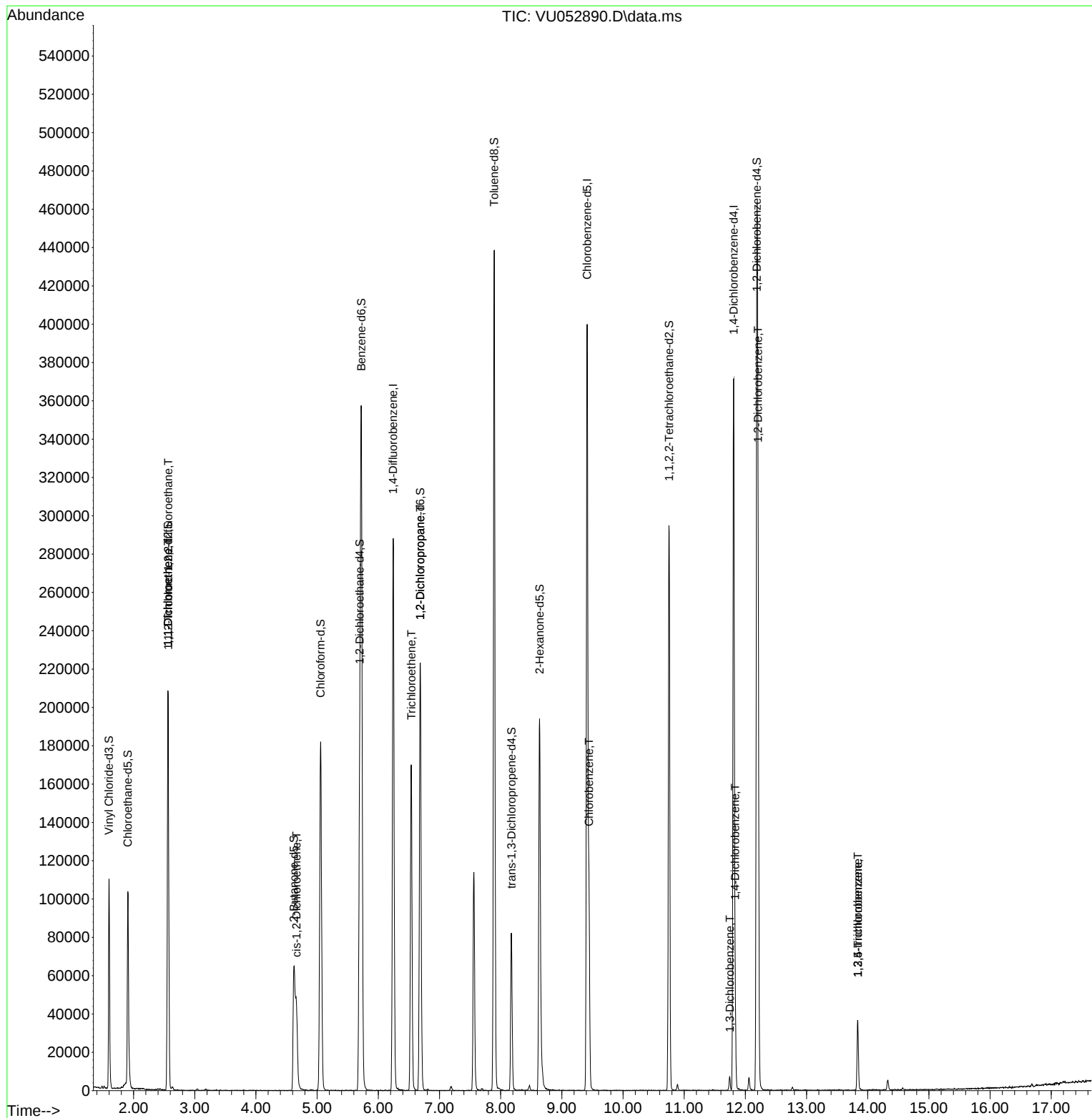
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	232379	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	225349	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	102036	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84141	50.307	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.620%
7) Chloroethane-d5	1.906	69	74208	53.846	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.700%
11) 1,1-Dichloroethene-d2	2.562	63	123988	37.271	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.540%
21) 2-Butanone-d5	4.620	46	96553	93.448	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.450%
24) Chloroform-d	5.057	84	173700	48.662	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.320%
26) 1,2-Dichloroethane-d4	5.697	65	116968	51.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.640%
32) Benzene-d6	5.722	84	336184	48.830	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.660%
36) 1,2-Dichloropropane-d6	6.684	67	102101	50.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.120%
41) Toluene-d8	7.893	98	289600	46.194	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.380%
43) trans-1,3-Dichloroprop...	8.176	79	47000	46.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.880%
47) 2-Hexanone-d5	8.635	63	64781	91.307	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.310%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	139955	46.912	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.820%
66) 1,2-Dichlorobenzene-d4	12.188	152	108663	54.845	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.700%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1187	0.633	ug/L #	19
12) 1,1-Dichloroethene	2.562	96	1018	0.592	ug/L #	1
20) cis-1,2-Dichloroethene	4.661	96	19857	10.011	ug/L	99
34) Trichloroethene	6.539	95	56626	29.043	ug/L	96
37) 1,2-Dichloropropane	6.684	63	11321	6.003	ug/L #	85
51) Chlorobenzene	9.443	112	55977	10.349	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	3034	0.913	ug/L	97
65) 1,4-Dichlorobenzene	11.831	146	20228	5.877	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	97719	29.057	ug/L	96
69) 1,3,5-Trichlorobenzene	13.838	180	12102	4.917	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	12102	5.864	ug/L	99

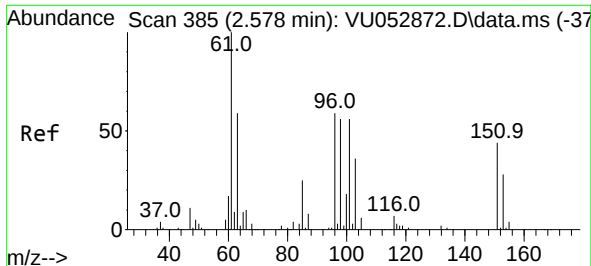
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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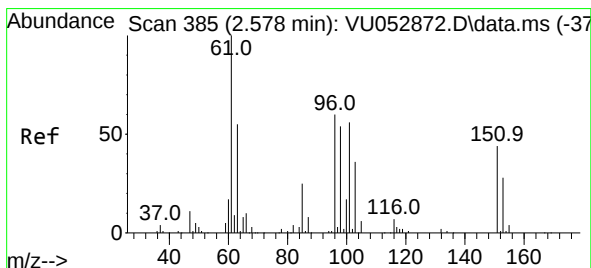
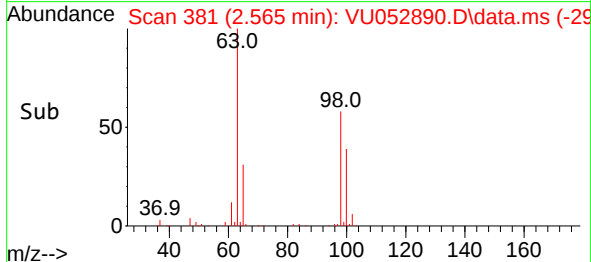
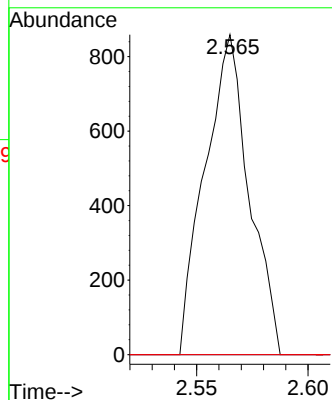
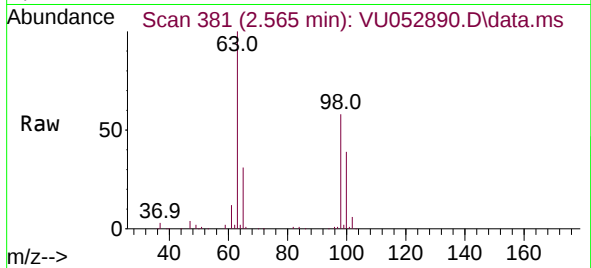




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.633 ug/L
 RT: 2.565 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VU052890.D
 Acq: 31 Jan 2023 19:37

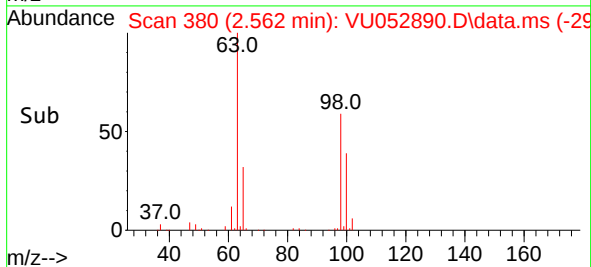
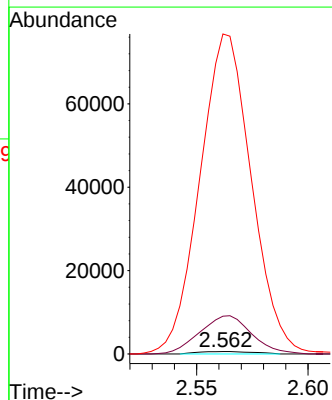
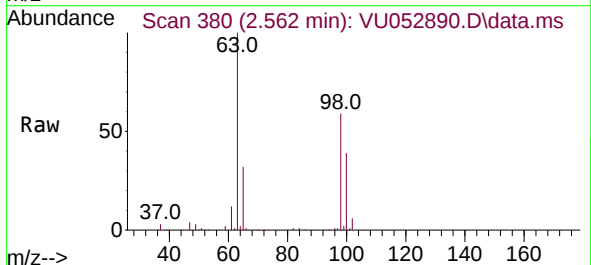
Instrument :
 MSVOA_U
 ClientSampleId :

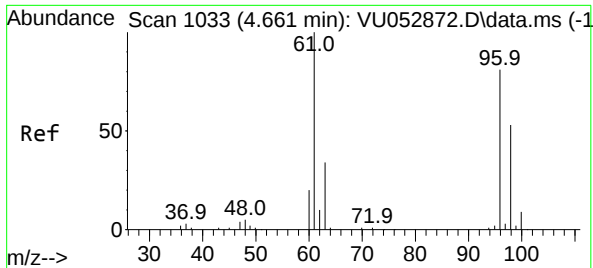
Tgt Ion:101 Resp: 1187
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.9 49.3#
 151 0.0 62.6 94.0#



#12
 1,1-Dichloroethene
 Concen: 0.592 ug/L
 RT: 2.562 min Scan# 380
 Delta R.T. -0.016 min
 Lab File: VU052890.D
 Acq: 31 Jan 2023 19:37

Tgt Ion: 96 Resp: 1018
 Ion Ratio Lower Upper
 96 100
 61 1592.8 114.3 212.3#
 63 13469.5 80.6 149.6#

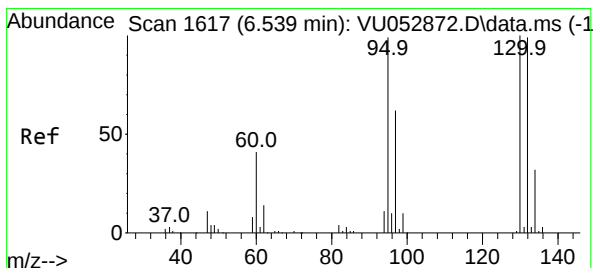
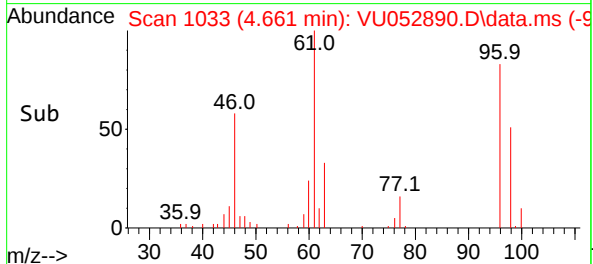
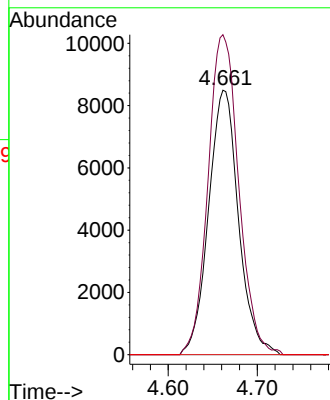
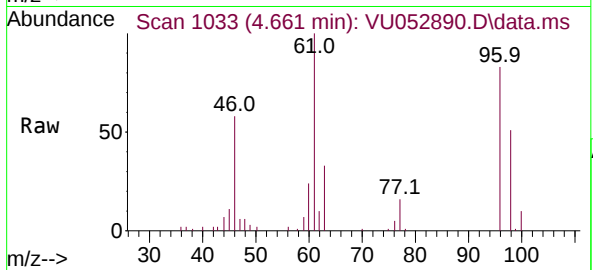




#20
cis-1,2-Dichloroethene
Concen: 10.011 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU052890.D
Acq: 31 Jan 2023 19:37

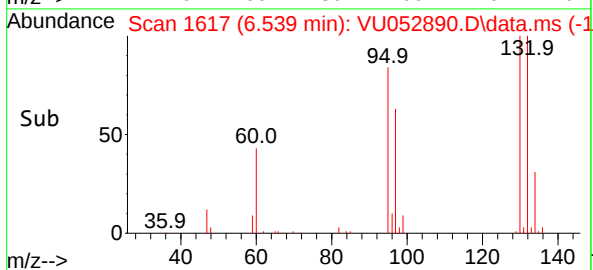
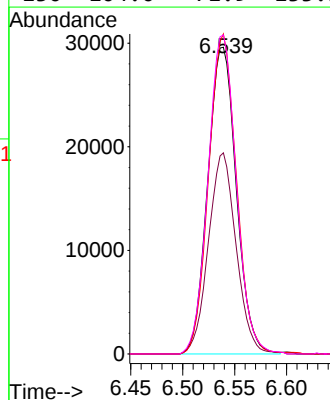
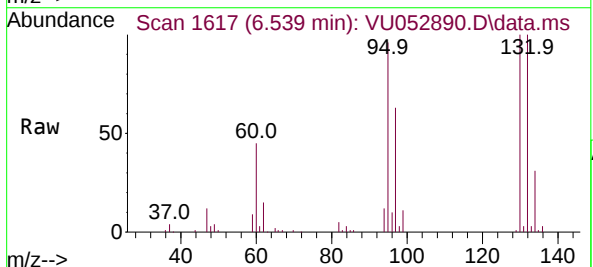
Instrument :
MSVOA_U
ClientSampleId :

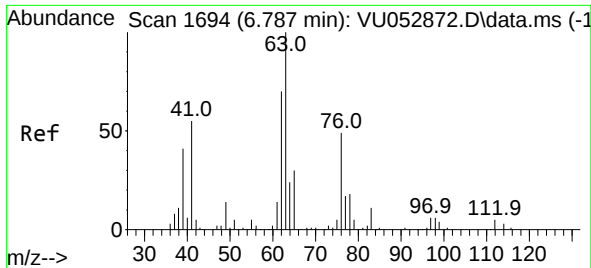
Tgt Ion: 96 Resp: 19857
Ion Ratio Lower Upper
96 100
61 121.0 84.1 156.1
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 29.043 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052890.D
Acq: 31 Jan 2023 19:37

Tgt Ion: 95 Resp: 56626
Ion Ratio Lower Upper
95 100
97 65.5 44.5 82.7
132 104.3 66.8 124.0
130 104.0 71.9 133.5





#37

1,2-Dichloropropane

Concen: 6.003 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052890.D

Acq: 31 Jan 2023 19:37

Instrument :

MSVOA_U

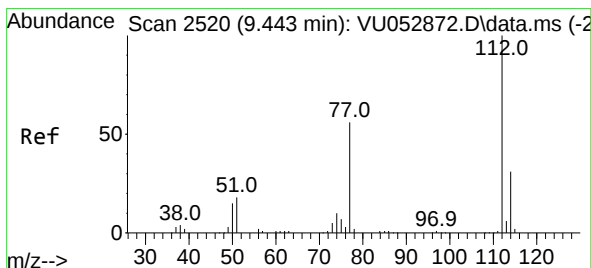
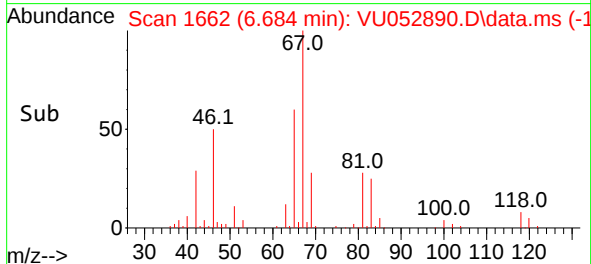
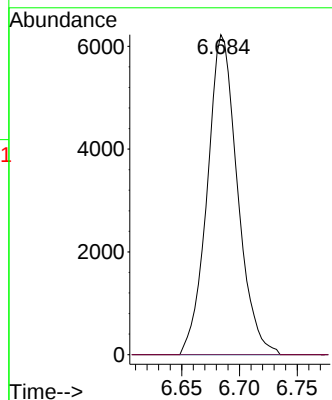
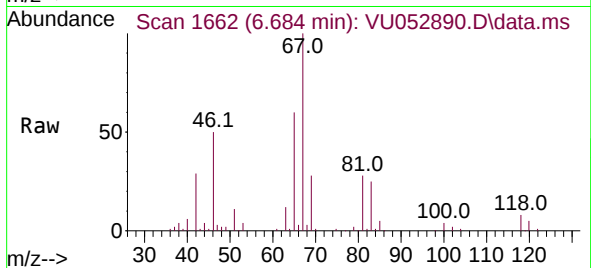
ClientSampleId :

Tgt Ion: 63 Resp: 11321

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 10.349 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052890.D

Acq: 31 Jan 2023 19:37

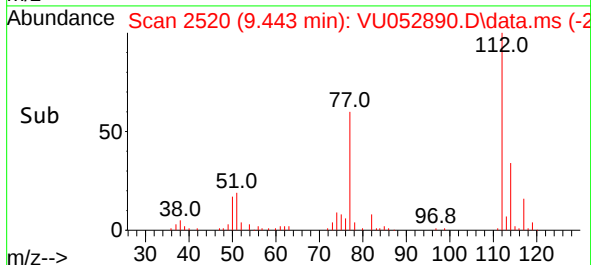
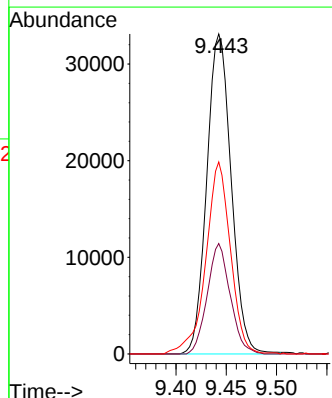
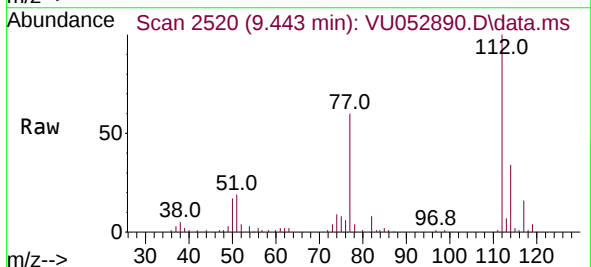
Tgt Ion: 112 Resp: 55977

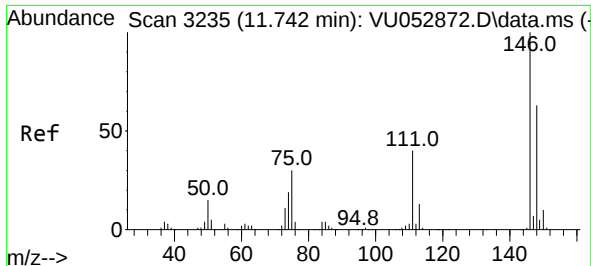
Ion Ratio Lower Upper

112 100

114 34.5 22.8 42.4

77 60.0 45.9 68.9

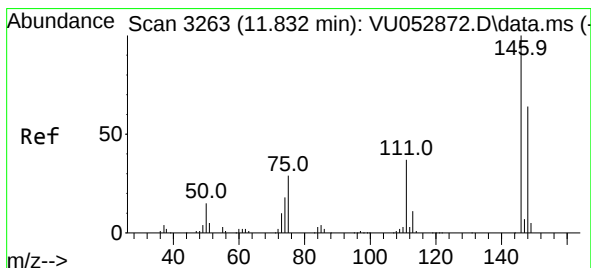
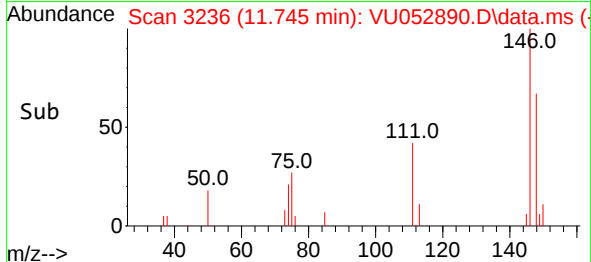
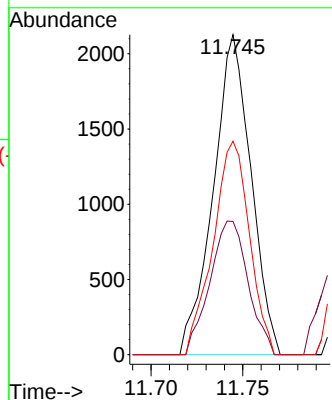
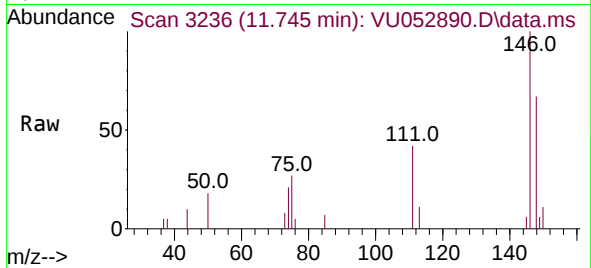




#64
1,3-Dichlorobenzene
Concen: 0.913 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052890.D
Acq: 31 Jan 2023 19:37

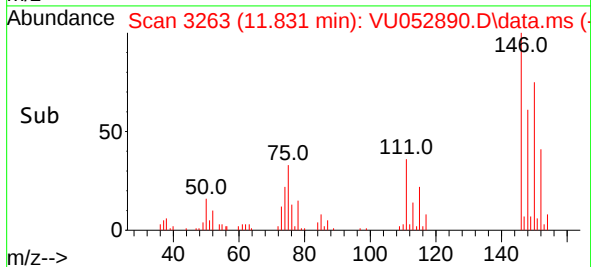
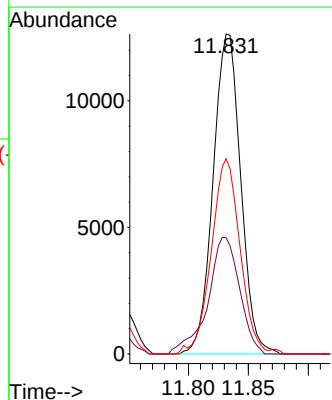
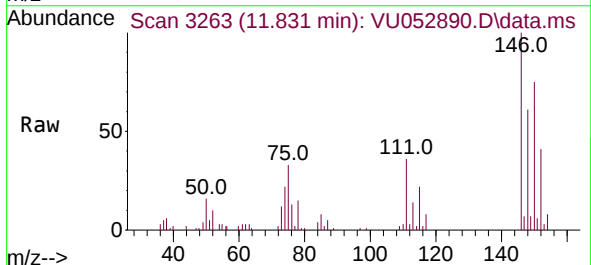
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MSVOA_U
ClientSampleId :

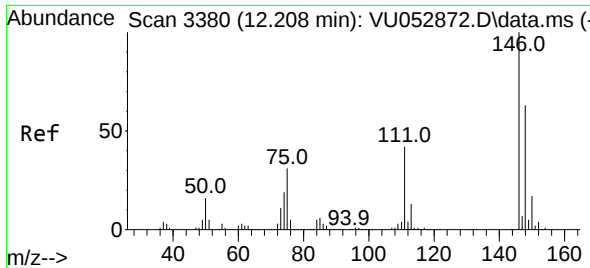
Tgt Ion:146 Resp: 3034
Ion Ratio Lower Upper
146 100
111 41.7 27.8 51.6
148 66.7 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 5.877 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052890.D
Acq: 31 Jan 2023 19:37

Tgt Ion:146 Resp: 20228
Ion Ratio Lower Upper
146 100
111 36.3 26.7 49.7
148 61.0 45.6 84.6

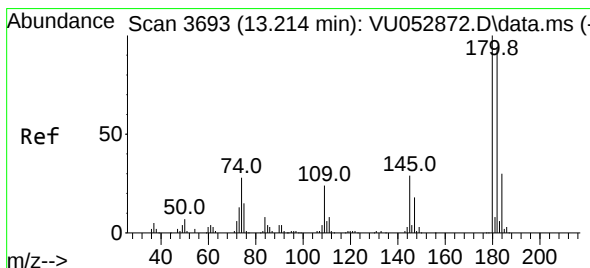
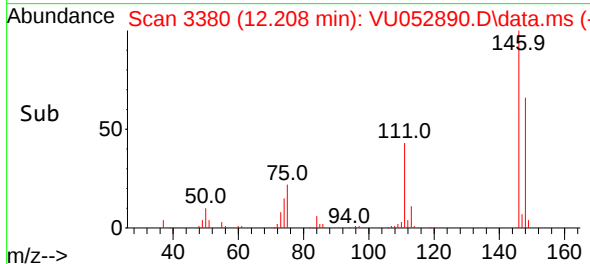
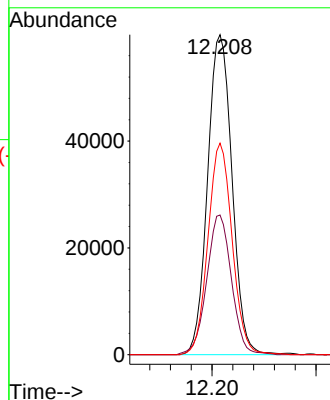
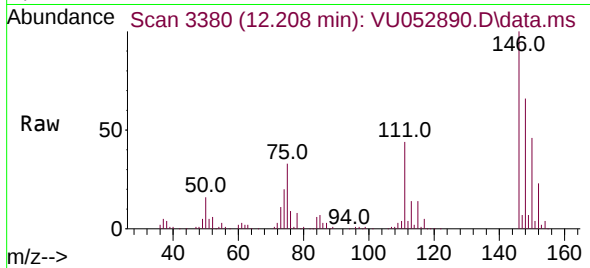




#67
1,2-Dichlorobenzene
Concen: 29.057 ug/L
RT: 12.208 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052890.D
Acq: 31 Jan 2023 19:37

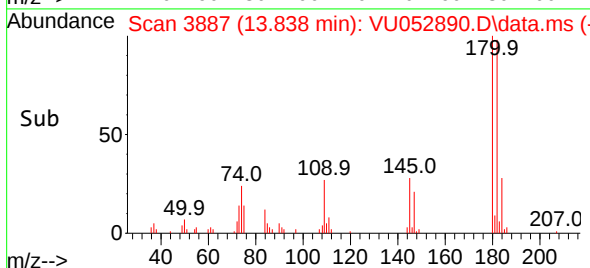
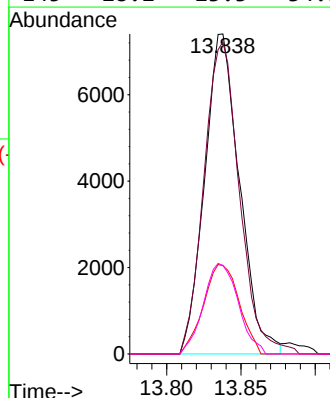
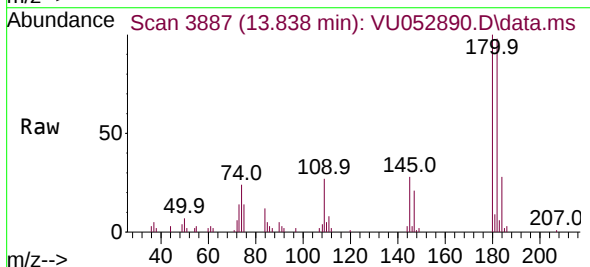
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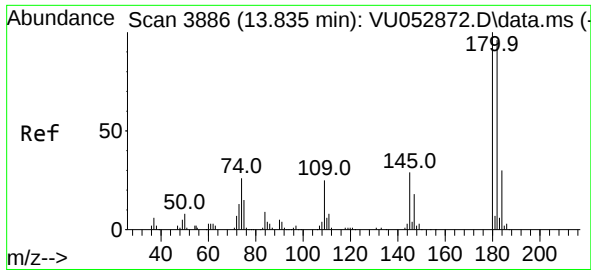
Tgt Ion:146 Resp: 97719
Ion Ratio Lower Upper
146 100
111 43.7 33.2 49.8
148 66.1 50.2 75.4



#69
1,3,5-Trichlorobenzene
Concen: 4.917 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU052890.D
Acq: 31 Jan 2023 19:37

Tgt Ion:180 Resp: 12102
Ion Ratio Lower Upper
180 100
182 99.0 77.0 115.6
184 28.5 24.4 36.6
145 28.2 23.3 34.9





#70

1,2,4-trichlorobenzene

Concen: 5.864 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

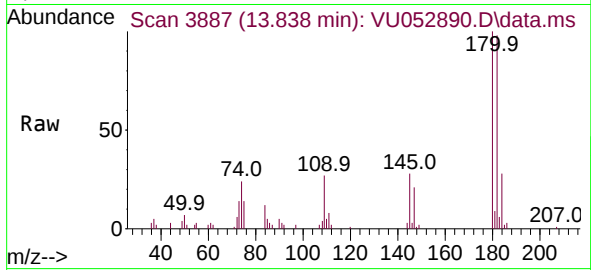
Lab File: VU052890.D

Acq: 31 Jan 2023 19:37

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 12102

Ion Ratio Lower Upper

180 100

182 99.0 78.2 117.2

145 28.2 23.4 35.2

