

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041123\
 Data File : VU053631.D
 Acq On : 11 Apr 2023 13:36
 Operator : JC/MD
 Sample : 02251-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMD2

Quant Time: Apr 12 02:23:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 02:22:37 2023
 Response via : Initial Calibration

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

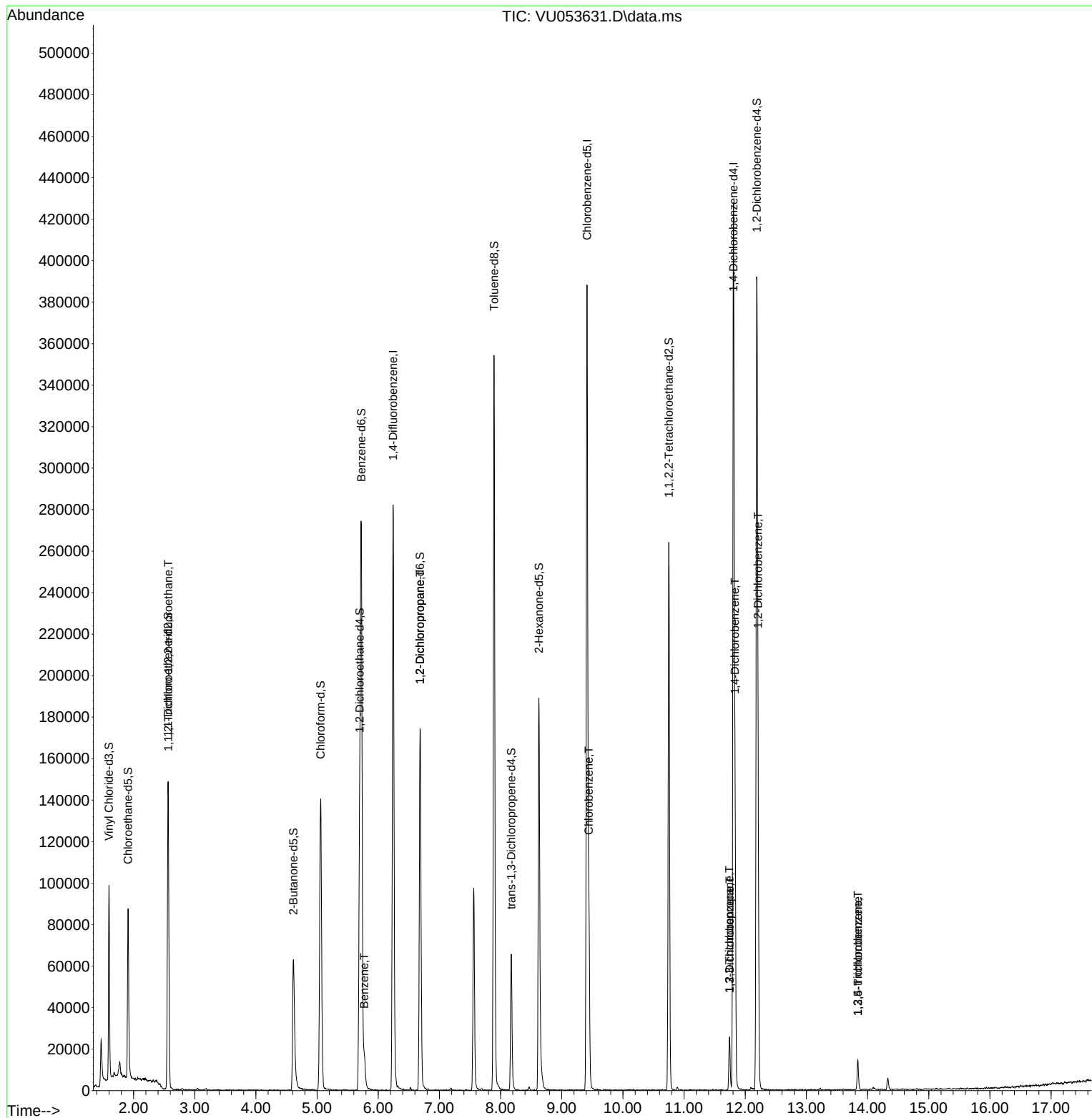
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	237452	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	226092	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	112786	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70438	38.096	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.200%		
7) Chloroethane-d5	1.909	69	62802	44.053	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.100%		
11) 1,1-Dichloroethene-d2	2.565	63	85659	29.929	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	59.860%#		
21) 2-Butanone-d5	4.613	46	88819	106.100	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.100%		
24) Chloroform-d	5.057	84	130667	42.732	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.460%		
26) 1,2-Dichloroethane-d4	5.697	65	86292	47.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.520%		
32) Benzene-d6	5.723	84	266371	43.647	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.300%		
36) 1,2-Dichloropropane-d6	6.684	67	87338	46.821	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.640%		
41) Toluene-d8	7.893	98	243430	40.132	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.260%		
43) trans-1,3-Dichloroprop...	8.176	79	38574	40.061	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.120%		
47) 2-Hexanone-d5	8.626	63	66262	104.083	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.080%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	127024	48.314	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.620%		
66) 1,2-Dichlorobenzene-d4	12.189	152	100263	42.588	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.180%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1101	0.673	ug/L #	17
33) Benzene	5.771	78	14378	2.441	ug/L	100
37) 1,2-Dichloropropane	6.684	63	9004	6.020	ug/L #	86
51) Chlorobenzene	9.443	112	48852	10.621	ug/L	94
60) 1,2,3-Trichloropropane	11.742	75	3441	2.104	ug/L #	43
64) 1,3-Dichlorobenzene	11.745	146	11077	3.179	ug/L	93
65) 1,4-Dichlorobenzene	11.832	146	57052	16.066	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	51701	14.888	ug/L	96
69) 1,3,5-Trichlorobenzene	13.841	180	5233	2.028	ug/L	96
70) 1,2,4-trichlorobenzene	13.841	180	5233	2.188	ug/L	96

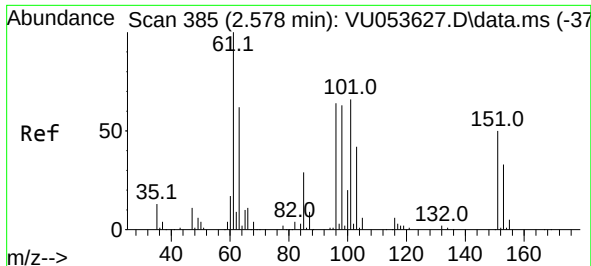
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Apr 12 02:22:37 2023
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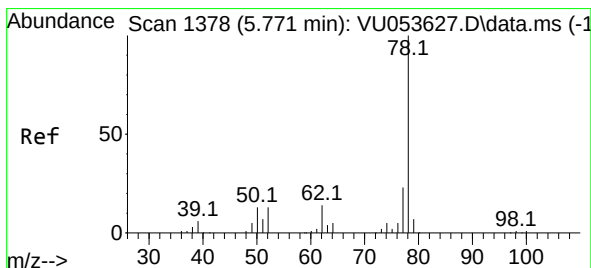
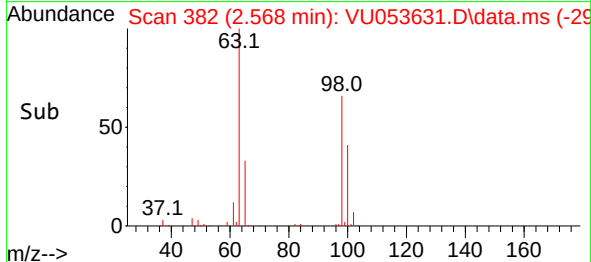
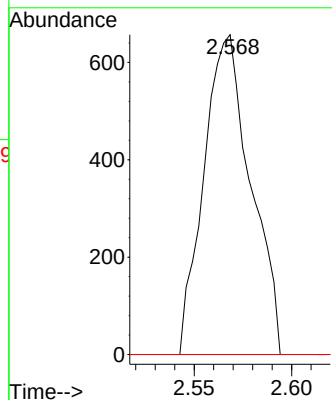
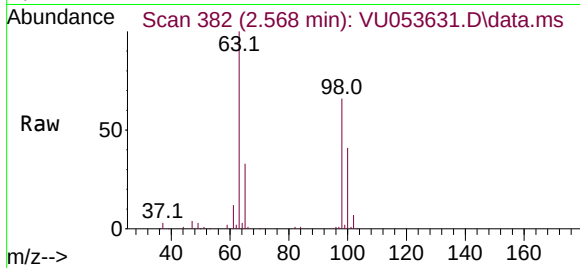




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.673 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.010 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

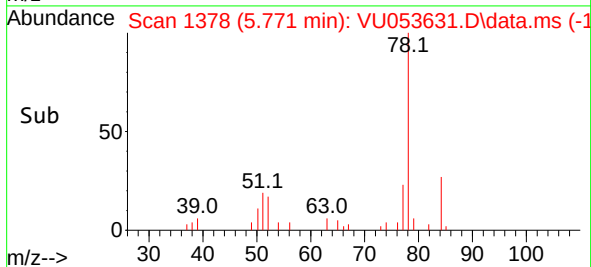
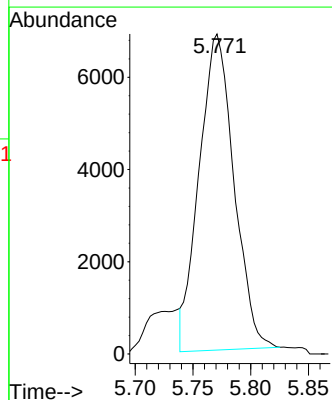
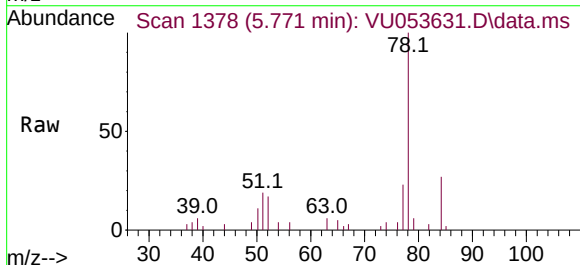
Instrument :
MSVOA_U
ClientSampleId :
COMD2

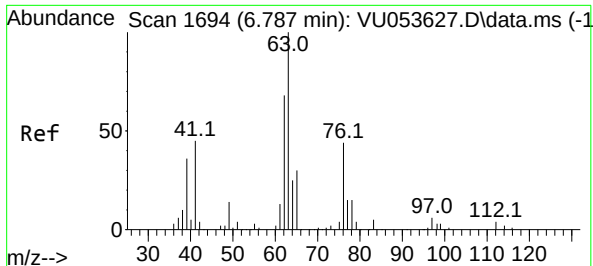
Tgt Ion:101 Resp: 1101
Ion Ratio Lower Upper
101 100
85 0.0 32.6 48.8#
151 0.0 65.8 98.6#



#33
Benzene
Concen: 2.441 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

Tgt Ion: 78 Resp: 14378





#37

1,2-Dichloropropane

Concen: 6.020 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU053631.D

Acq: 11 Apr 2023 13:36

Instrument :

MSVOA_U

ClientSampleId :

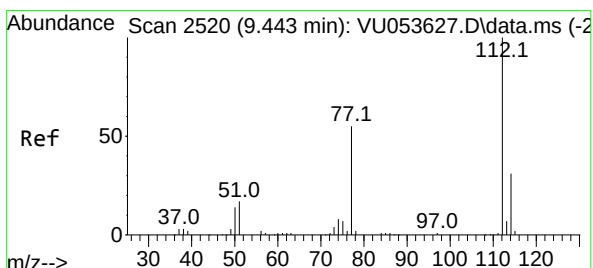
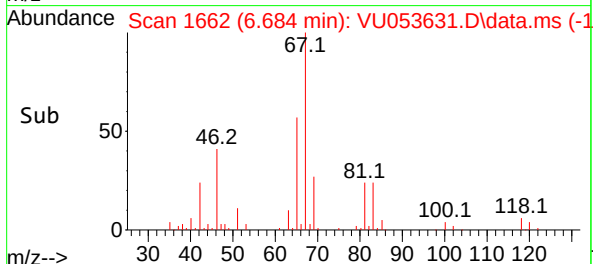
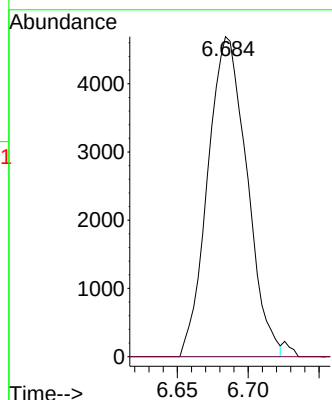
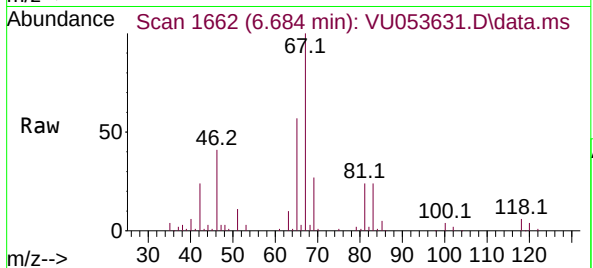
COMD2

Tgt Ion: 63 Resp: 9004

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#51

Chlorobenzene

Concen: 10.621 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU053631.D

Acq: 11 Apr 2023 13:36

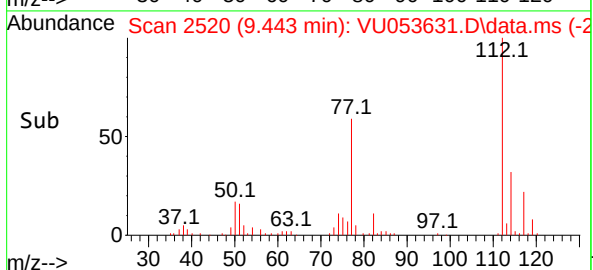
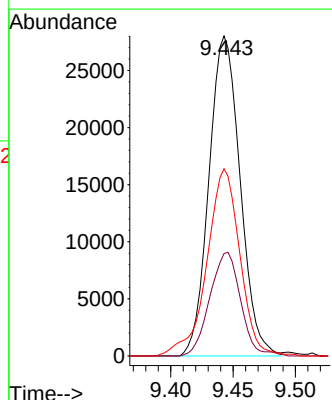
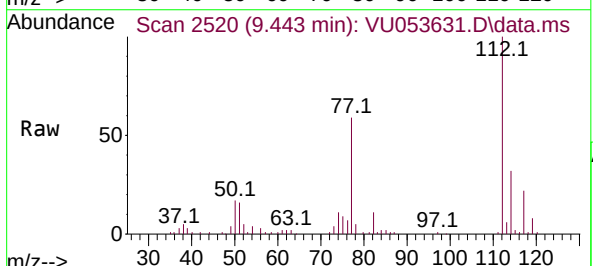
Tgt Ion: 112 Resp: 48852

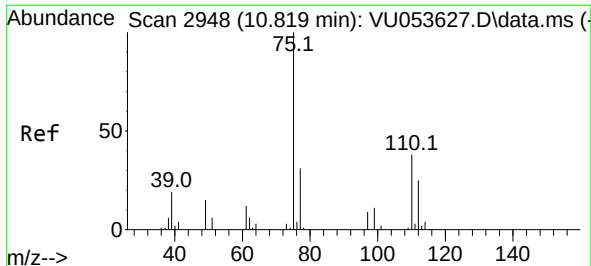
Ion Ratio Lower Upper

112 100

114 32.0 22.2 41.2

77 58.5 41.3 61.9

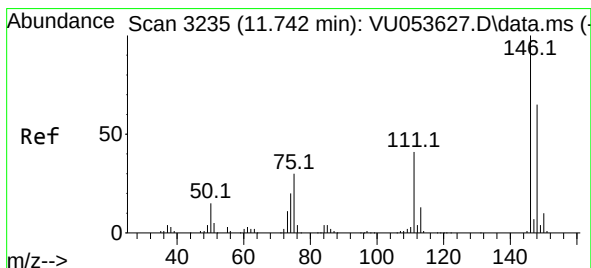
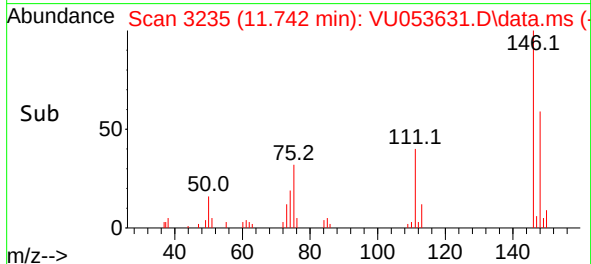
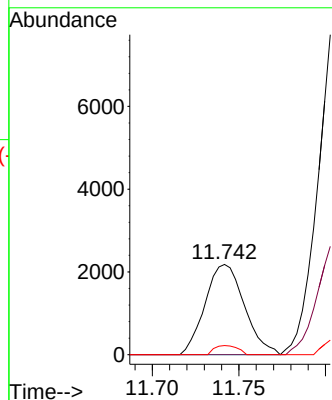
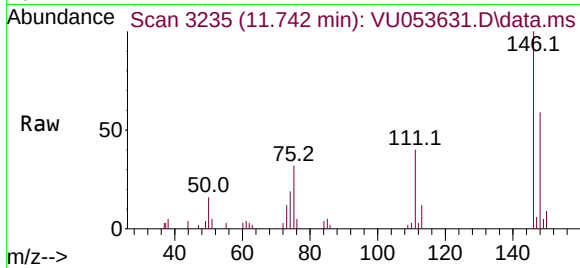




#60
1,2,3-Trichloropropane
Concen: 2.104 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

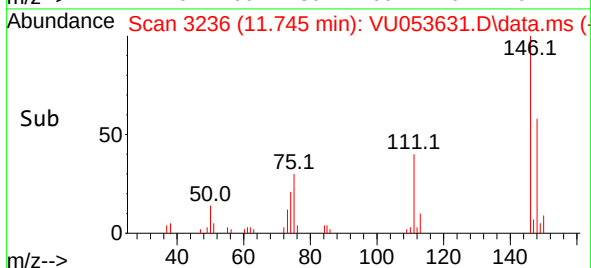
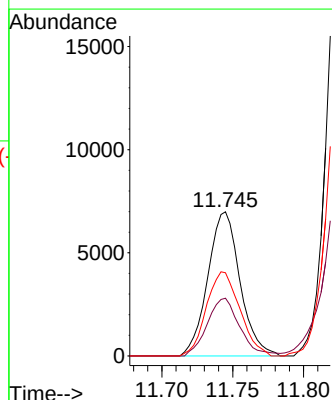
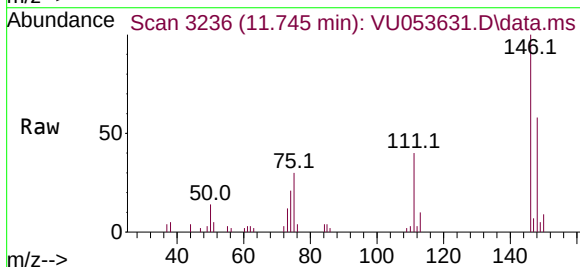
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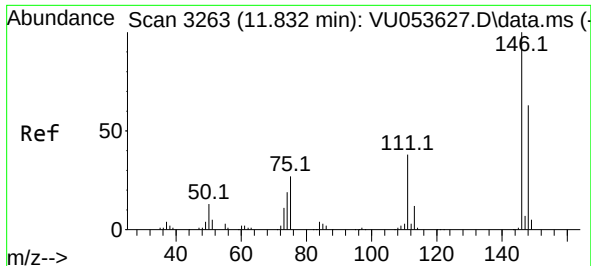
Tgt Ion: 75 Resp: 3441
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#
110 6.0 32.6 48.8#



#64
1,3-Dichlorobenzene
Concen: 3.179 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

Tgt Ion: 146 Resp: 11077
Ion Ratio Lower Upper
146 100
111 40.1 25.7 47.7
148 57.7 44.2 82.2

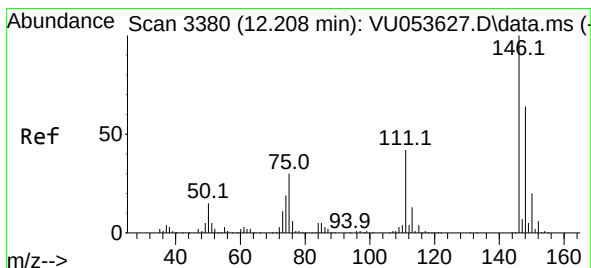
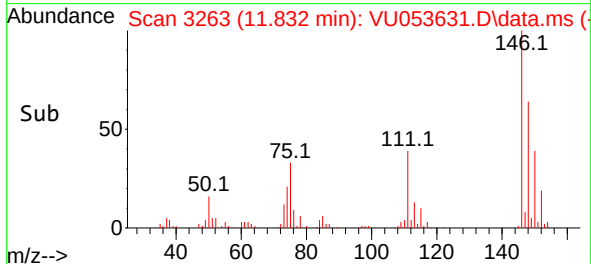
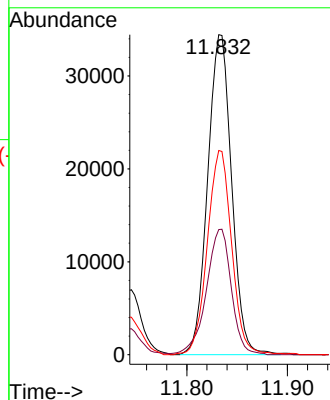
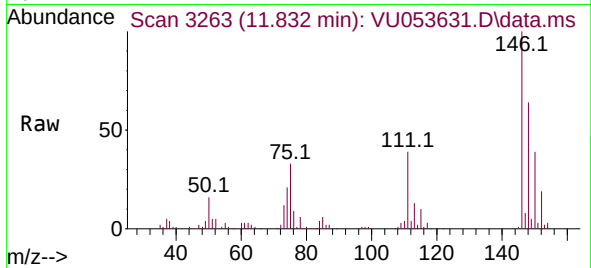




#65
1,4-Dichlorobenzene
Concen: 16.066 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

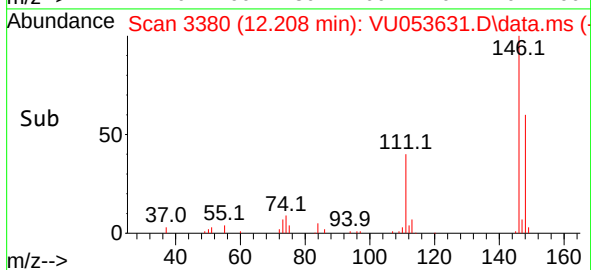
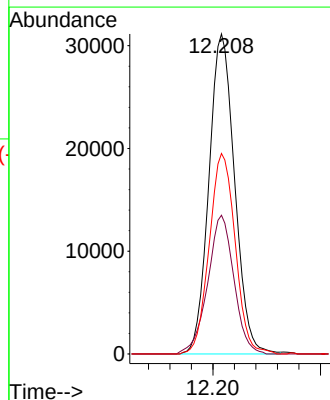
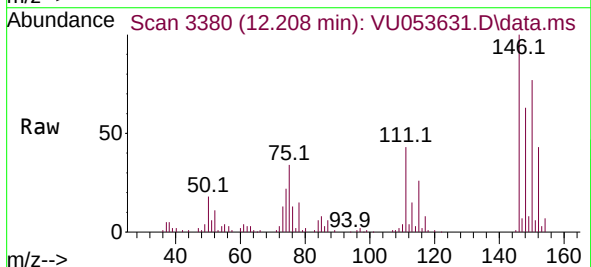
Instrument :
MSVOA_U
ClientSampleId :
COMD2

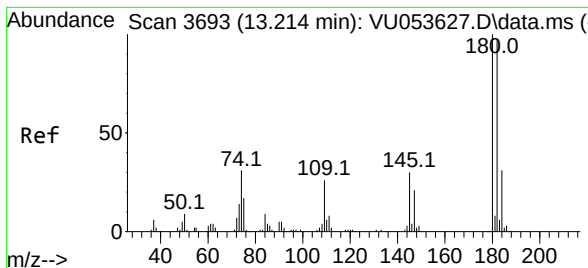
Tgt Ion:146 Resp: 57052
Ion Ratio Lower Upper
146 100
111 39.1 25.1 46.5
148 63.8 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 14.888 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053631.D
Acq: 11 Apr 2023 13:36

Tgt Ion:146 Resp: 51701
Ion Ratio Lower Upper
146 100
111 43.4 31.5 47.3
148 62.7 51.6 77.4





#69

1,3,5-Trichlorobenzene

Concen: 2.028 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.627 min

Lab File: VU053631.D

Acq: 11 Apr 2023 13:36

Instrument :

MSVOA_U

ClientSampleId :

COMD2

Tgt Ion:180 Resp: 5233

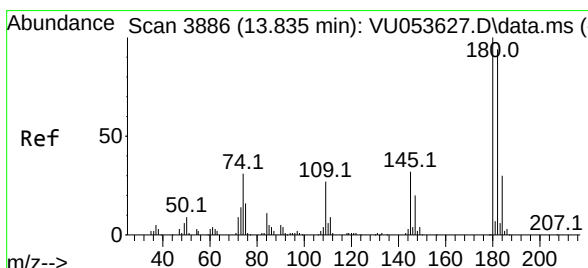
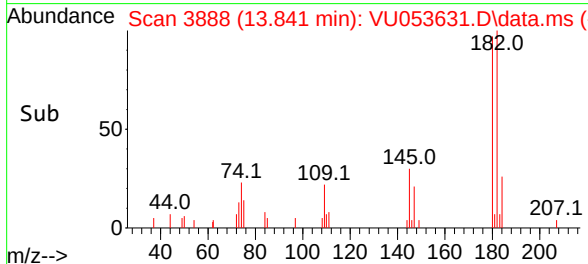
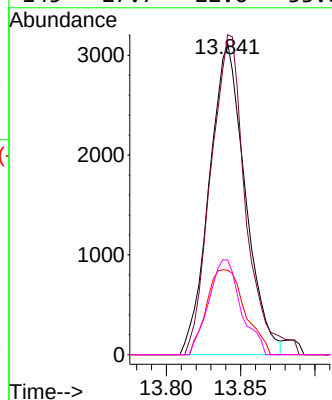
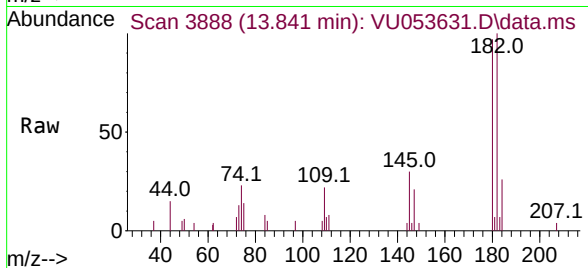
Ion Ratio Lower Upper

180 100

182 99.1 75.6 113.4

184 29.1 24.2 36.2

145 27.7 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 2.188 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.006 min

Lab File: VU053631.D

Acq: 11 Apr 2023 13:36

Tgt Ion:180 Resp: 5233

Ion Ratio Lower Upper

180 100

182 99.1 75.8 113.8

145 27.7 23.4 35.2

