

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048153.D
 Acq On : 20 Apr 2022 19:13
 Operator : SY/MD
 Sample : N2485-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

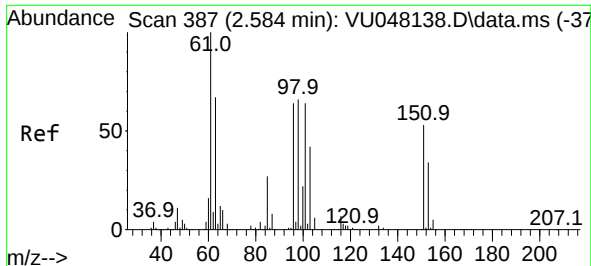
Instrument :
 MSVOA_U
 ClientSampleId :
 C0J18

Quant Time: Apr 21 02:44:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	350267	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	359629	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	190164	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	108746	42.813	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.620%		
7) Chloroethane-d5	1.916	69	90656	45.265	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.520%		
11) 1,1-Dichloroethene-d2	2.571	63	143678	30.917	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.840%		
21) 2-Butanone-d5	4.626	46	183600	84.214	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.210%		
24) Chloroform-d	5.067	84	205234	44.160	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.320%		
26) 1,2-Dichloroethane-d4	5.703	65	128448	45.063	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.120%		
32) Benzene-d6	5.729	84	416750	46.053	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.100%		
36) 1,2-Dichloropropane-d6	6.694	67	135693	48.826	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.660%		
41) Toluene-d8	7.899	98	363384	41.216	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.440%		
43) trans-1,3-Dichloroprop...	8.179	79	56741	40.300	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.600%		
47) 2-Hexanone-d5	8.632	63	131762	80.990	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.990%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	208638	43.745	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.480%		
66) 1,2-Dichlorobenzene-d4	12.192	152	168239	49.728	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.460%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1295	0.502	ug/L #	18
12) 1,1-Dichloroethene	2.571	96	1185	0.493	ug/L #	1
27) 1,2-Dichloroethane	5.777	62	20887	5.618	ug/L #	75
31) Carbon tetrachloride	5.523	117	1941	0.527	ug/L #	1
33) Benzene	5.777	78	2753410	264.508	ug/L	100
37) 1,2-Dichloropropane	6.694	63	13506	5.104	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	3075	0.749	ug/L #	63
51) Chlorobenzene	9.449	112	3807865	491.004	ug/L	98
60) 1,2,3-Trichloropropane	11.745	75	28609	7.980	ug/L #	49
64) 1,3-Dichlorobenzene	11.745	146	107517	18.822	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	1447977	244.720	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	1175333	205.629	ug/L	99
69) 1,3,5-Trichlorobenzene	13.841	180	122978	26.508	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	122978	30.263	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	24792	6.086	ug/L	99

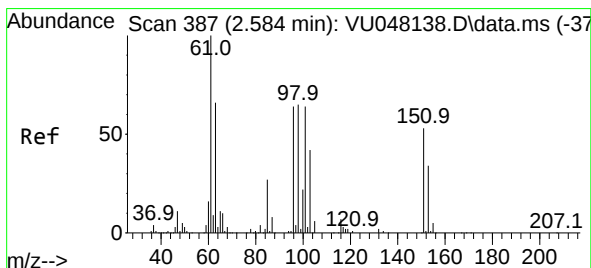
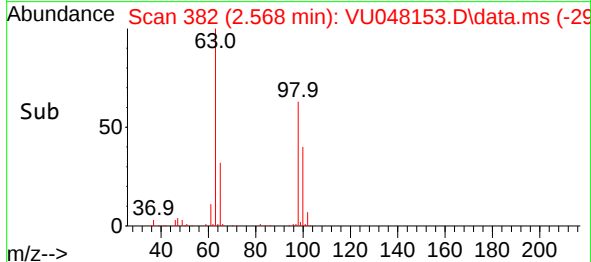
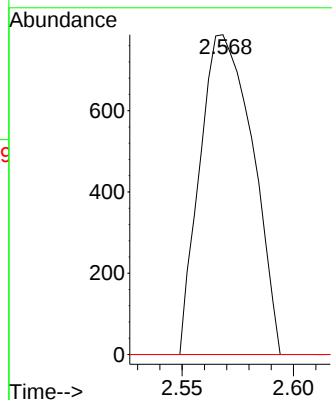
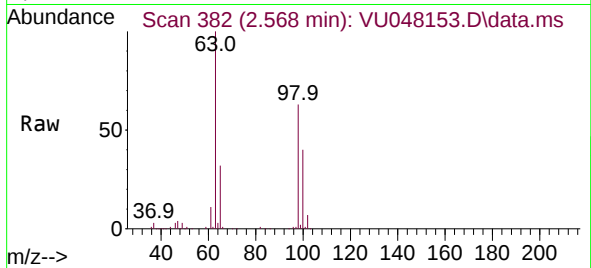
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.502 ug/L
RT: 2.568 min Scan# 31
Delta R.T. -0.016 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

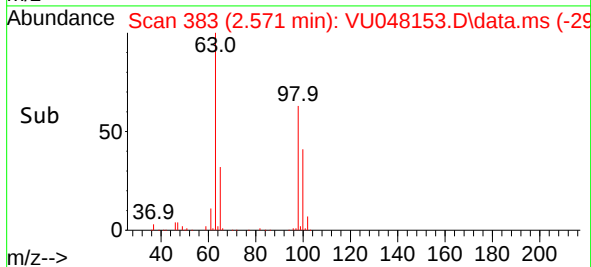
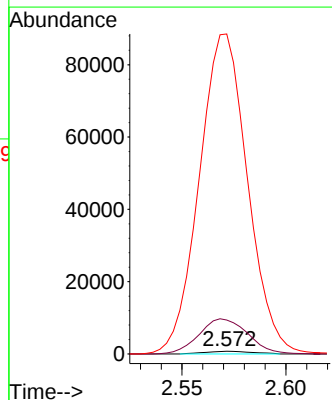
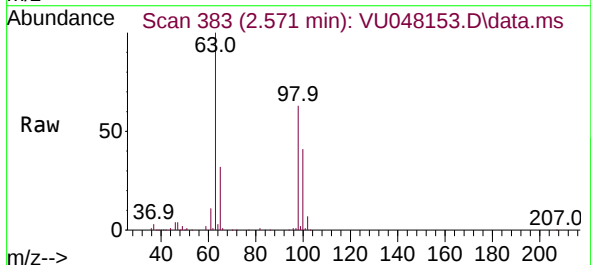
Instrument :
MSVOA_U
ClientSampleId :
C0J18

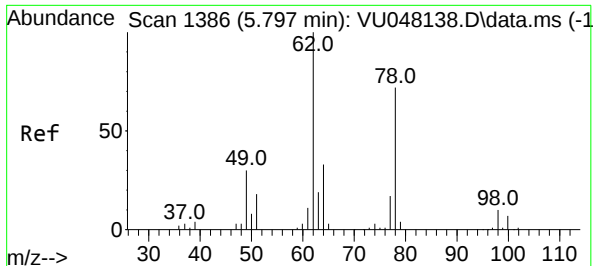
Tgt Ion:101 Resp: 1295
Ion Ratio Lower Upper
101 100
85 0.0 32.8 49.2#
151 0.0 63.0 94.6#



#12
1,1-Dichloroethene
Concen: 0.493 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.013 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

Tgt Ion: 96 Resp: 1185
Ion Ratio Lower Upper
96 100
61 1269.1 113.1 210.1#
63 11946.0 94.8 176.0#





#27

1,2-Dichloroethane

Concen: 5.618 ug/L

RT: 5.777 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU048153.D

Acq: 20 Apr 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

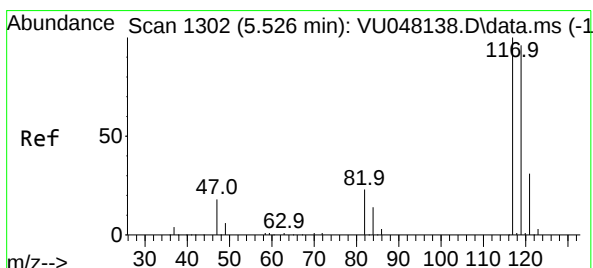
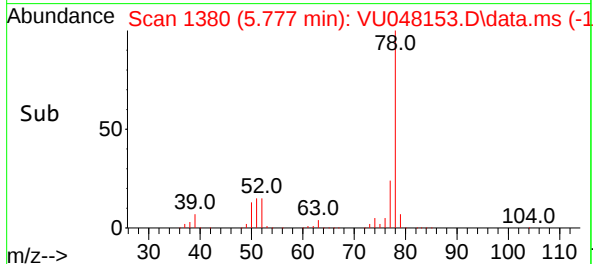
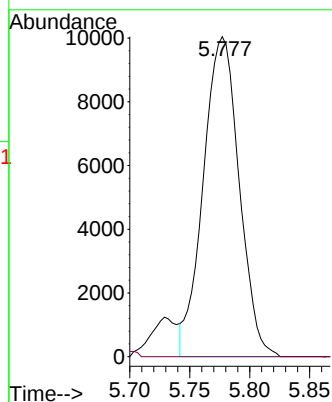
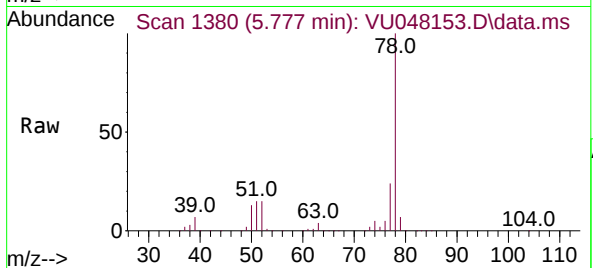
C0J18

Tgt Ion: 62 Resp: 20887

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#31

Carbon tetrachloride

Concen: 0.527 ug/L

RT: 5.523 min Scan# 1301

Delta R.T. -0.003 min

Lab File: VU048153.D

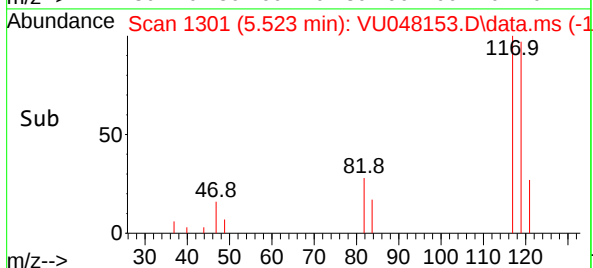
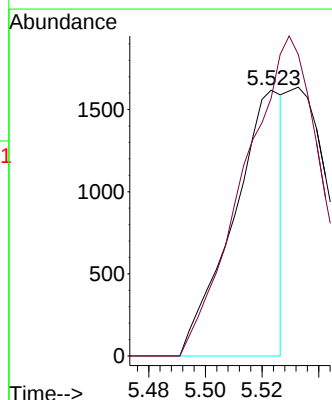
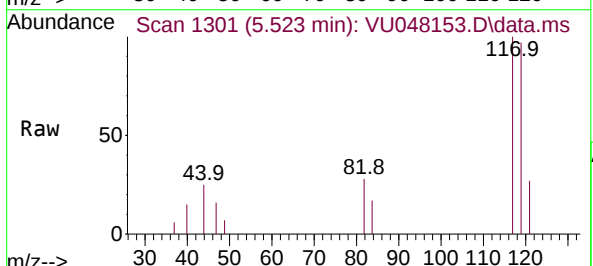
Acq: 20 Apr 2022 19:13

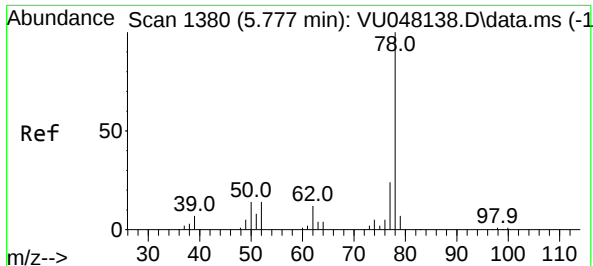
Tgt Ion: 117 Resp: 1941

Ion Ratio Lower Upper

117 100

119 193.7 77.2 115.8#

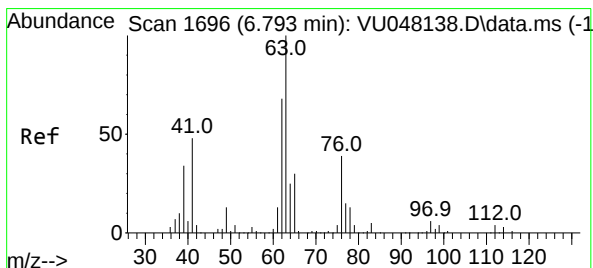
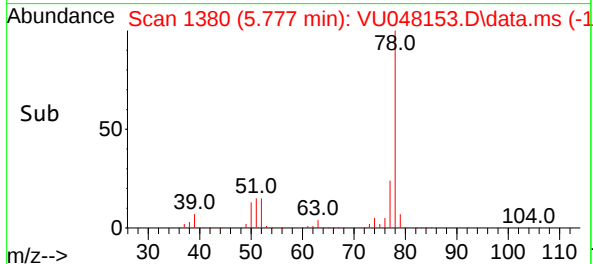
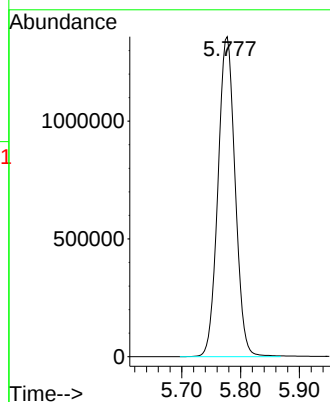
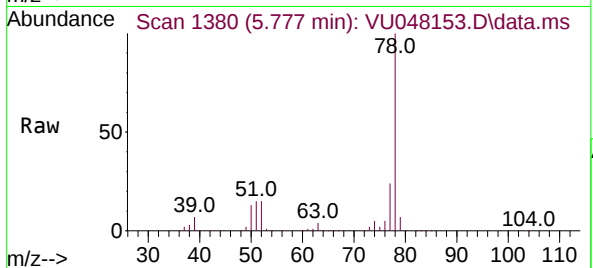




#33
Benzene
Concen: 264.508 ug/L
RT: 5.777 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

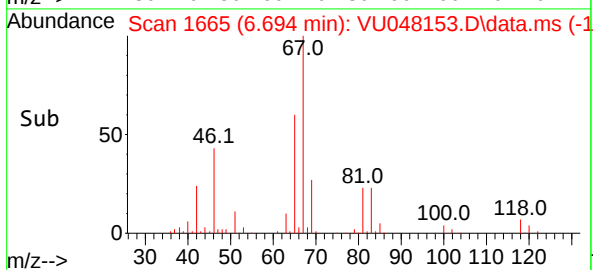
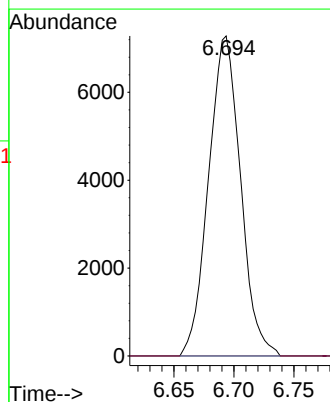
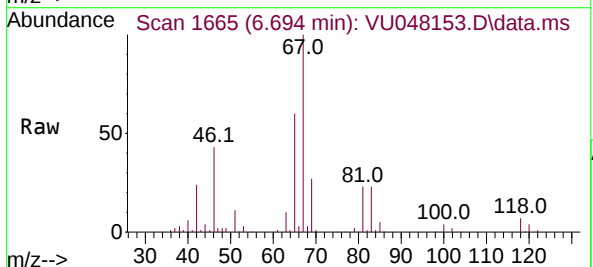
Instrument :
MSVOA_U
ClientSampleId :
C0J18

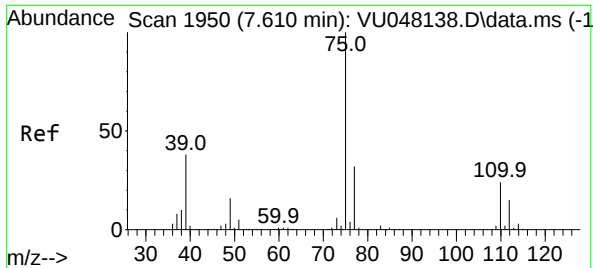
Tgt Ion: 78 Resp: 2753410



#37
1,2-Dichloropropane
Concen: 5.104 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

Tgt Ion: 63 Resp: 13506
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.749 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU048153.D

Acq: 20 Apr 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

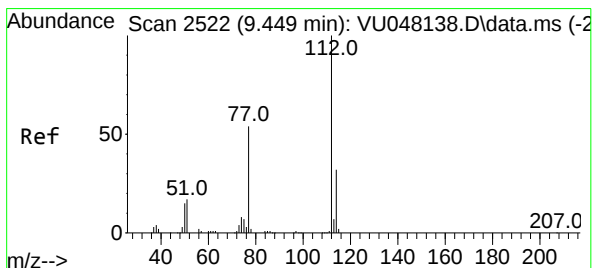
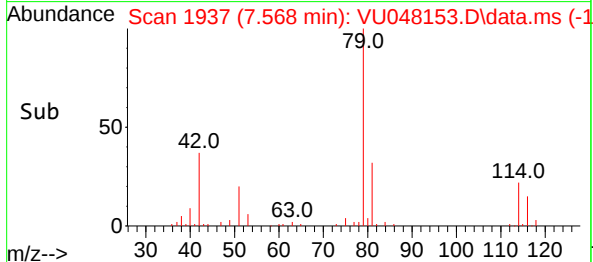
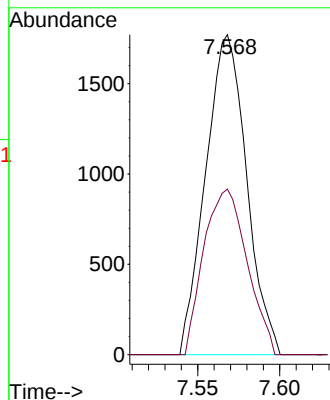
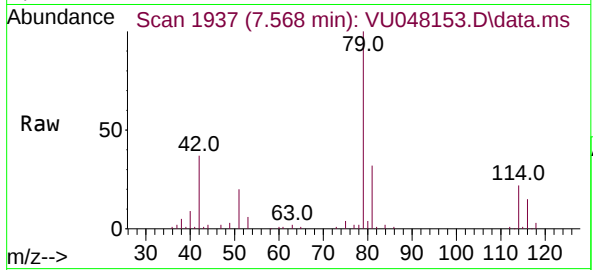
C0J18

Tgt Ion: 75 Resp: 3075

Ion Ratio Lower Upper

75 100

77 51.8 21.8 40.6#



#51

Chlorobenzene

Concen: 491.004 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048153.D

Acq: 20 Apr 2022 19:13

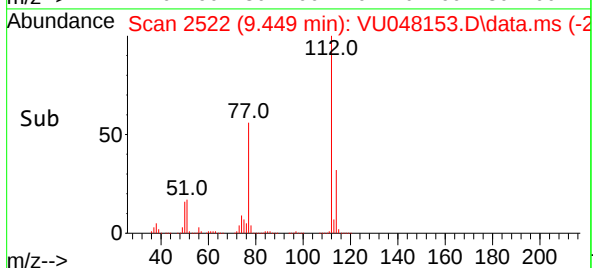
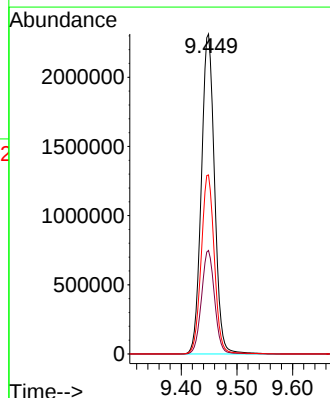
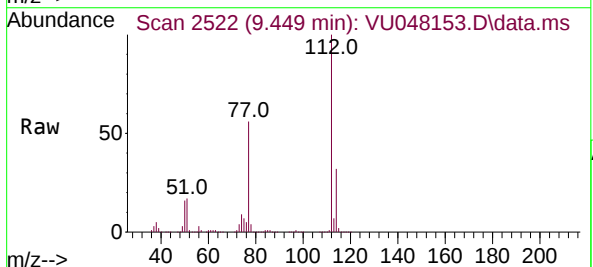
Tgt Ion: 112 Resp: 3807865

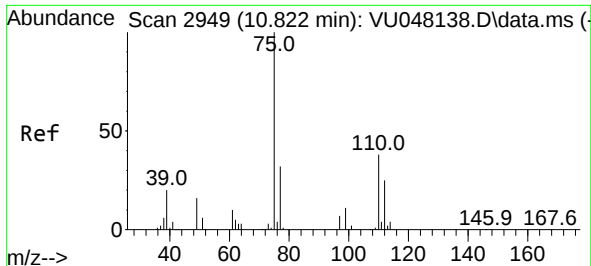
Ion Ratio Lower Upper

112 100

114 32.4 22.1 41.1

77 56.0 43.4 65.0

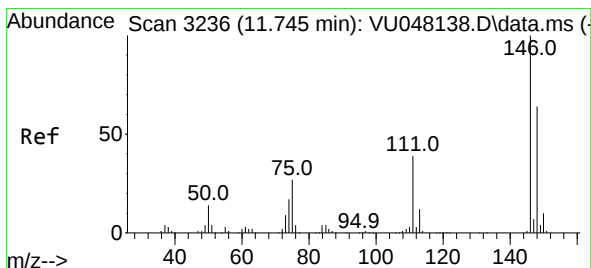
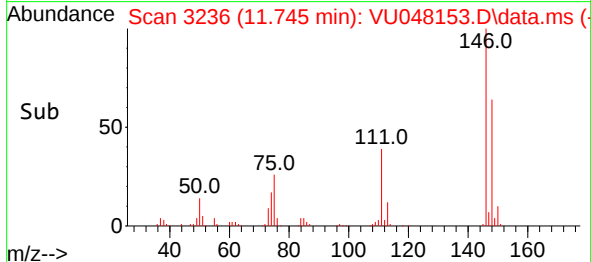
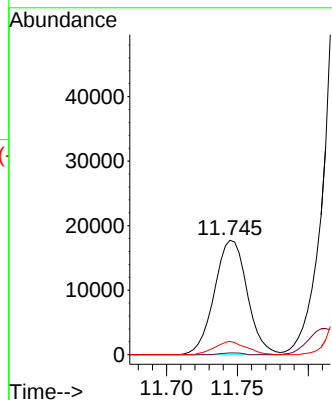
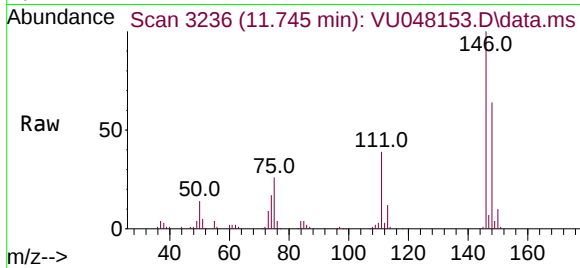




#60
1,2,3-Trichloropropane
Concen: 7.980 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.923 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

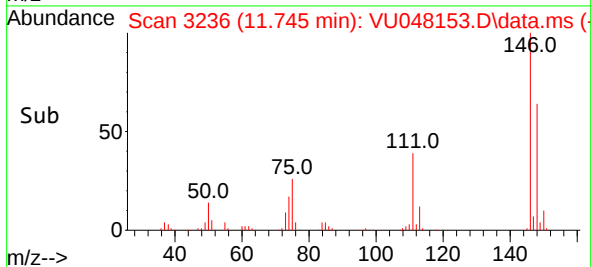
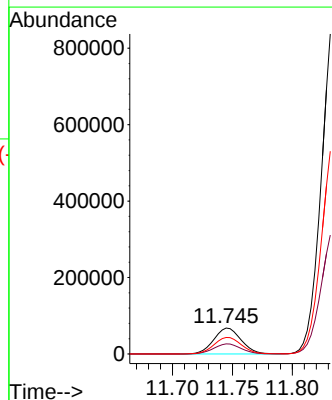
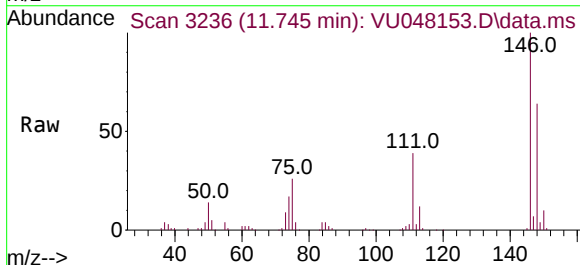
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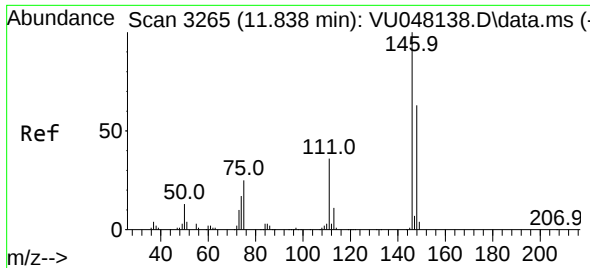
Tgt Ion: 75 Resp: 28609
Ion Ratio Lower Upper
75 100
77 1.0 26.0 39.0#
110 11.0 31.4 47.2#



#64
1,3-Dichlorobenzene
Concen: 18.822 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. -0.000 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

Tgt Ion:146 Resp: 107517
Ion Ratio Lower Upper
146 100
111 38.8 26.7 49.7
148 63.8 44.4 82.5

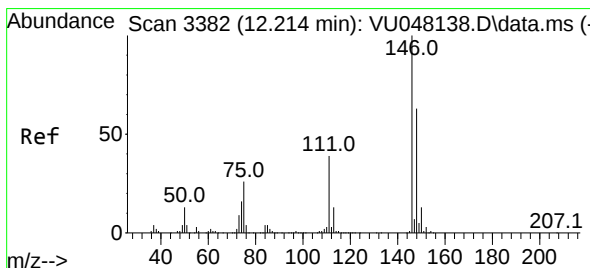
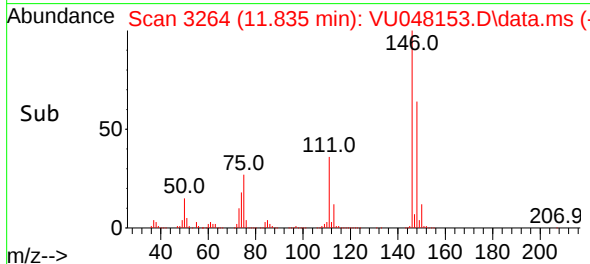
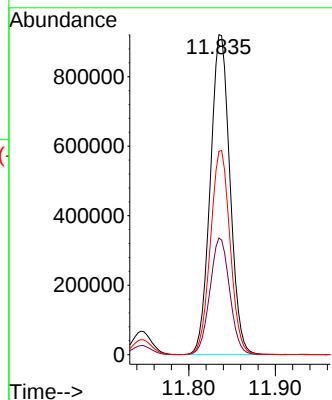
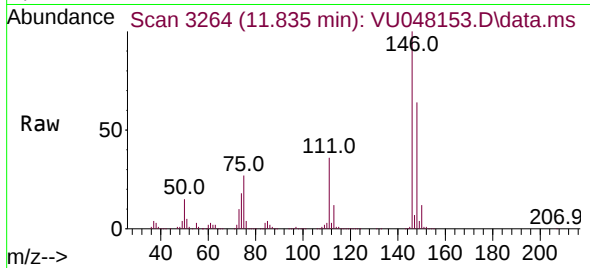




#65
1,4-Dichlorobenzene
Concen: 244.720 ug/L
RT: 11.835 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

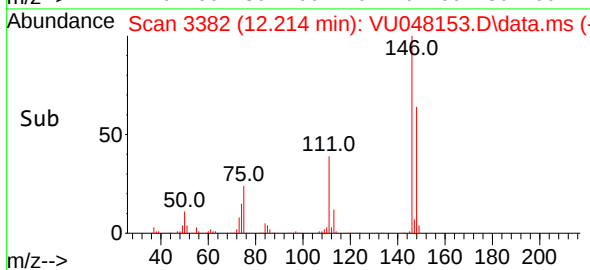
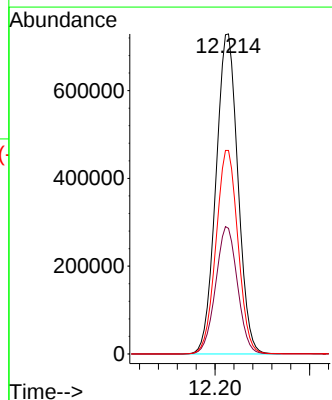
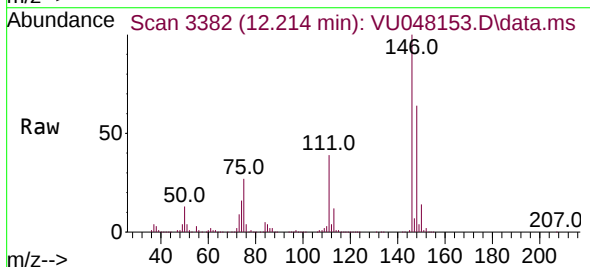
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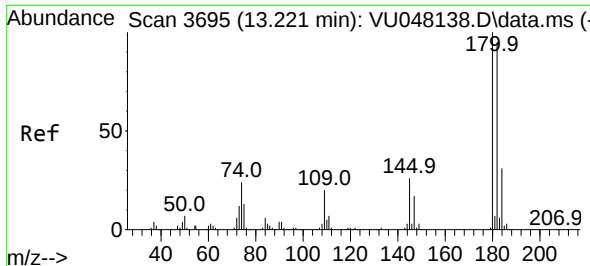
Tgt Ion:146 Resp: 1447977
Ion Ratio Lower Upper
146 100
111 36.5 25.3 47.1
148 63.6 44.5 82.7



#67
1,2-Dichlorobenzene
Concen: 205.629 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU048153.D
Acq: 20 Apr 2022 19:13

Tgt Ion:146 Resp: 1175333
Ion Ratio Lower Upper
146 100
111 39.3 31.7 47.5
148 63.6 51.4 77.2



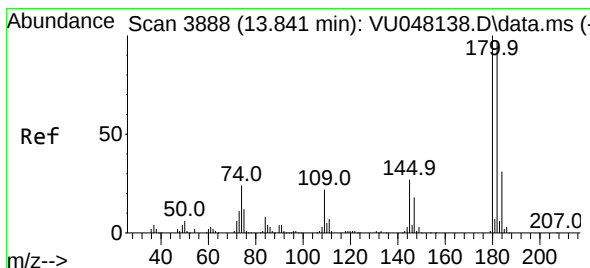
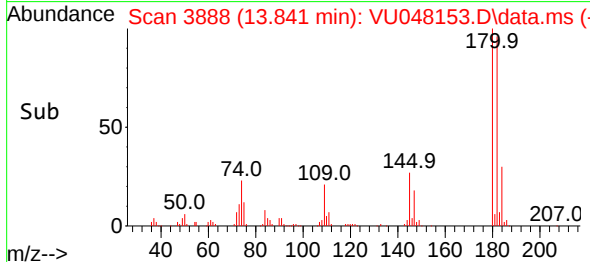
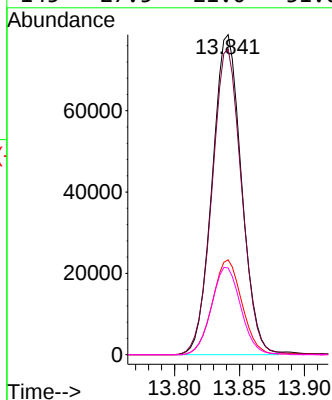
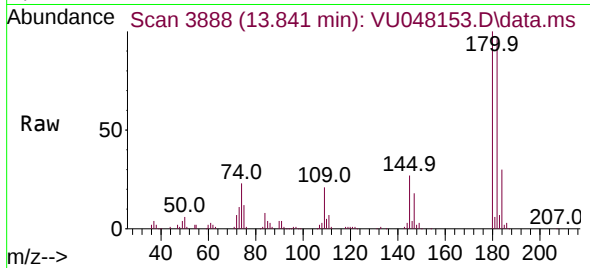


#69
 1,3,5-Trichlorobenzene
 Concen: 26.508 ug/L
 RT: 13.841 min Scan# 31
 Delta R.T. 0.620 min
 Lab File: VU048153.D
 Acq: 20 Apr 2022 19:13

Instrument :
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Tgt Ion:180 Resp: 122978

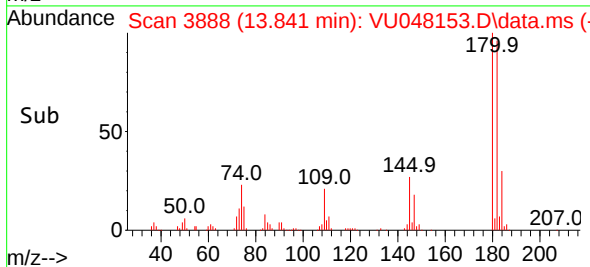
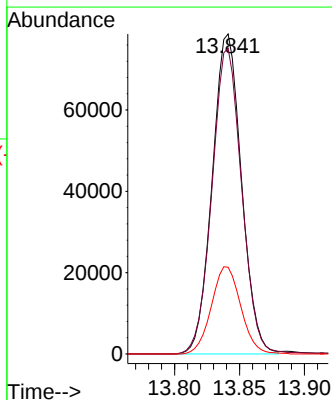
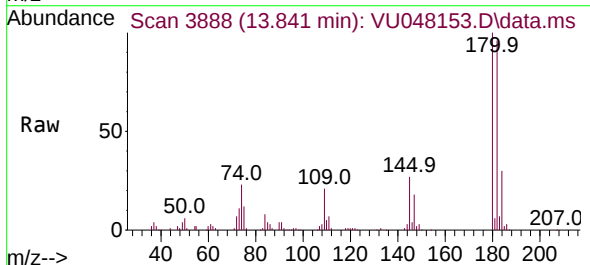
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.0	115.6
184	30.0	24.5	36.7
145	27.5	21.0	31.6

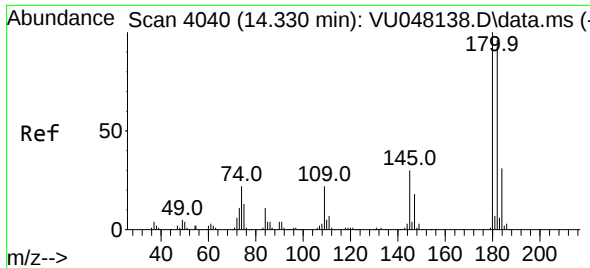


#70
 1,2,4-trichlorobenzene
 Concen: 30.263 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048153.D
 Acq: 20 Apr 2022 19:13

Tgt Ion:180 Resp: 122978

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.2
145	27.5	21.8	32.8





#72

1,2,3-Trichlorobenzene

Concen: 6.086 ug/L

RT: 14.330 min Scan# 40

Delta R.T. -0.000 min

Lab File: VU048153.D

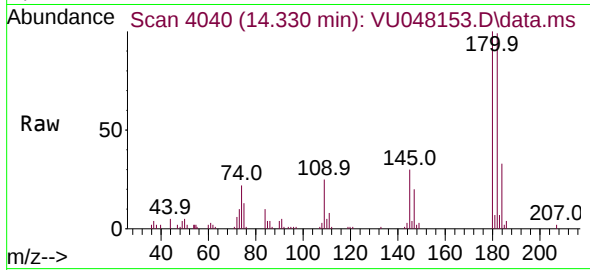
Acq: 20 Apr 2022 19:13

Instrument :

MSVOA_U

ClientSampleId :

C0J18



Tgt Ion:180 Resp: 24792

Ion Ratio Lower Upper

180 100

182 96.3 77.4 116.0

145 29.3 22.8 34.2

