

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053614.D
 Acq On : 10 Apr 2023 14:51
 Operator : JC/MD
 Sample : 02251-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC8

Quant Time: Apr 11 02:22:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

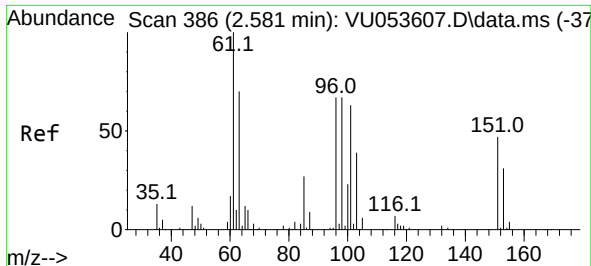
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	282513	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.439	117	301521	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.816	152	184501	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86183	39.177	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	78.360%		
7) Chloroethane-d5	1.909	69	73016	43.049	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.100%		
11) 1,1-Dichloroethene-d2	2.562	63	109246	32.082	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.160%		
21) 2-Butanone-d5	4.613	46	99177	99.577	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.580%		
24) Chloroform-d	5.057	84	148127	40.715	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.440%		
26) 1,2-Dichloroethane-d4	5.703	65	99828	46.437	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.880%		
32) Benzene-d6	5.739	84	334863	41.144	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.280%		
36) 1,2-Dichloropropane-d6	6.687	67	103373	41.554	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.100%		
41) Toluene-d8	7.896	98	308380	38.122	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	76.240%#		
43) trans-1,3-Dichloroprop...	8.176	79	49694	38.699	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.400%		
47) 2-Hexanone-d5	8.629	63	84757	99.830	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.830%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	156577	44.656	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.320%		
66) 1,2-Dichlorobenzene-d4	12.198	152	157388	40.867	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.740%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1208	0.621	ug/L #	17
12) 1,1-Dichloroethene	2.578	96	10893	6.284	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	1627	0.934	ug/L	92
27) 1,2-Dichloroethane	5.816	62	1669069	688.529	ug/L #	72
29) Cyclohexane	5.388	56	10696	3.685	ug/L	95
33) Benzene	5.912	78	1038226	132.158	ug/L	100
34) Trichloroethene	6.539	95	4329	1.822	ug/L	88
64) 1,3-Dichlorobenzene	11.745	146	1783339	312.876	ug/L	97
65) 1,4-Dichlorobenzene	11.745	146	1783339	306.985	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.967	75	1936	2.715	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.835	180	520050	123.209	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	520050	132.892	ug/L	99

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

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Response via : Initial Calibration

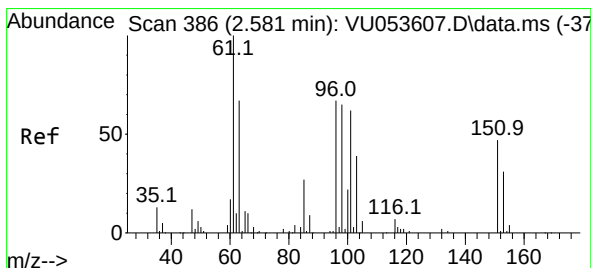
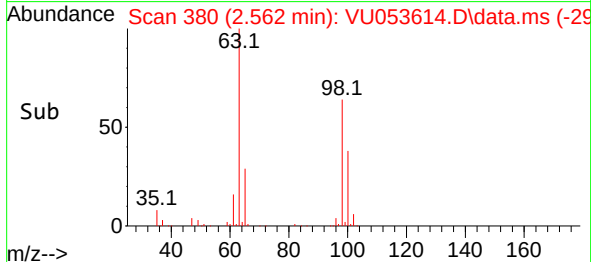
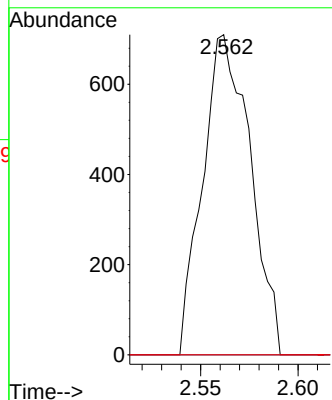
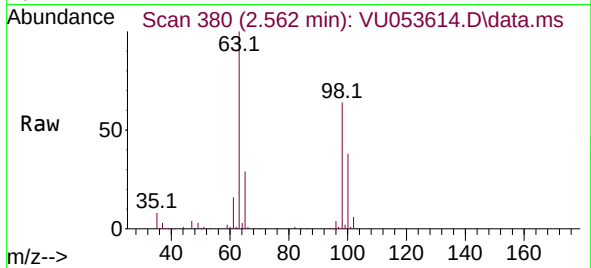




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.621 ug/L
 RT: 2.562 min Scan# 310
 Delta R.T. -0.019 min
 Lab File: VU053614.D
 Acq: 10 Apr 2023 14:51

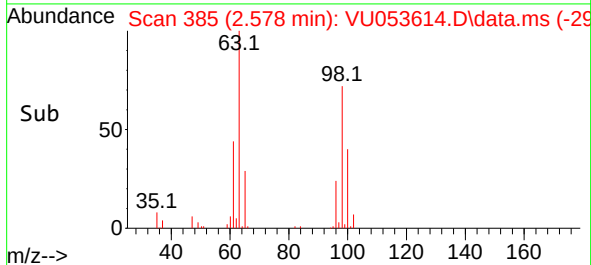
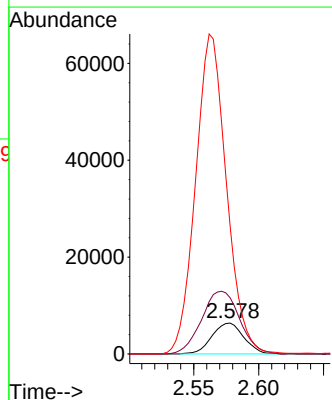
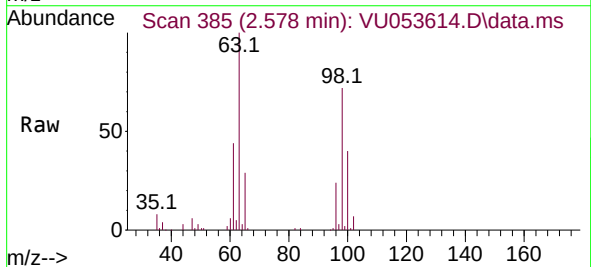
Instrument :
 MSVOA_U
 ClientSampleId :
 COMC8

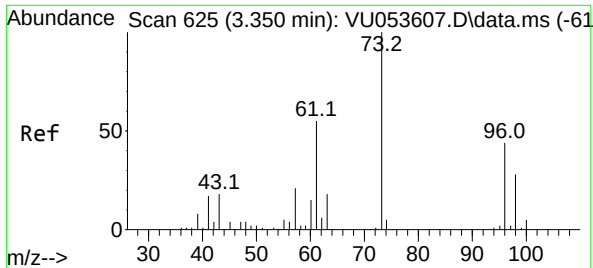
Tgt Ion:101 Resp: 1208
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.6 48.8#
 151 0.0 65.8 98.6#



#12
 1,1-Dichloroethene
 Concen: 6.284 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU053614.D
 Acq: 10 Apr 2023 14:51

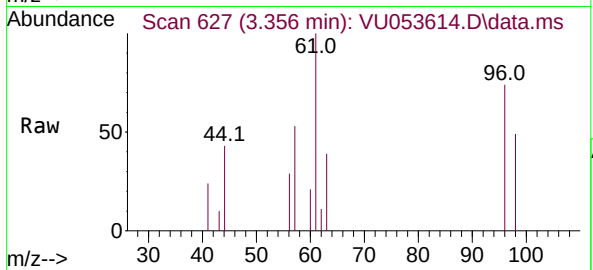
Tgt Ion: 96 Resp: 10893
 Ion Ratio Lower Upper
 96 100
 61 181.7 107.9 200.5
 63 414.2 79.1 146.9#



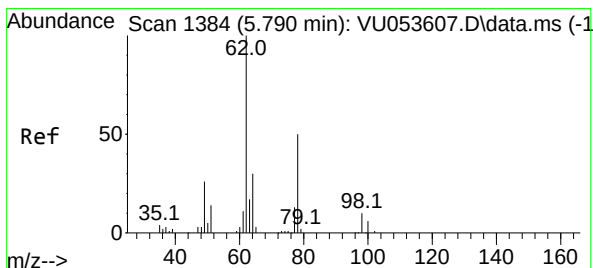
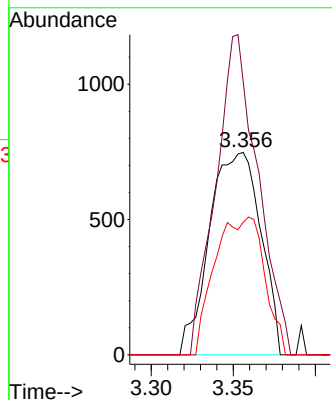
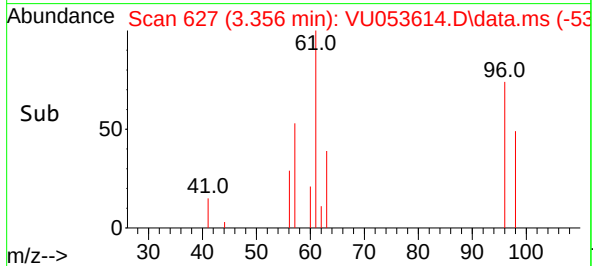


#17
trans-1,2-Dichloroethene
Concen: 0.934 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.006 min
Lab File: VU053614.D
Acq: 10 Apr 2023 14:51

Instrument :
MSVOA_U
ClientSampleId :
COMC8

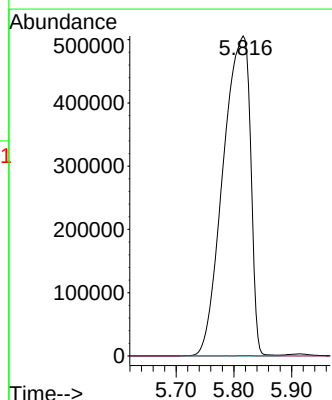
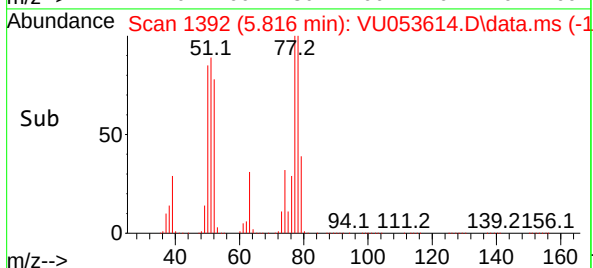
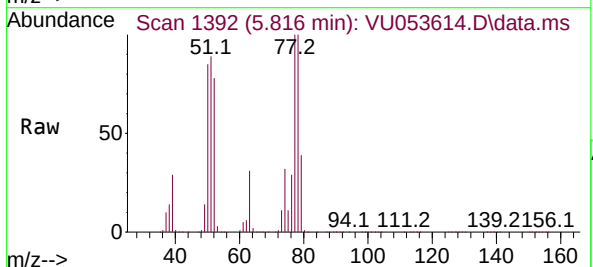


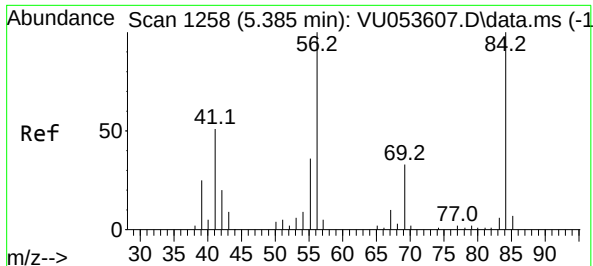
Tgt Ion: 96 Resp: 1627
Ion Ratio Lower Upper
96 100
61 134.9 84.4 156.8
98 65.5 46.0 85.4



#27
1,2-Dichloroethane
Concen: 688.529 ug/L
RT: 5.816 min Scan# 1392
Delta R.T. 0.026 min
Lab File: VU053614.D
Acq: 10 Apr 2023 14:51

Tgt Ion: 62 Resp: 1669069
Ion Ratio Lower Upper
62 100
98 0.0 8.3 12.5#





#29

Cyclohexane

Concen: 3.685 ug/L

RT: 5.388 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053614.D

Acq: 10 Apr 2023 14:51

Instrument :

MSVOA_U

ClientSampleId :

COMC8

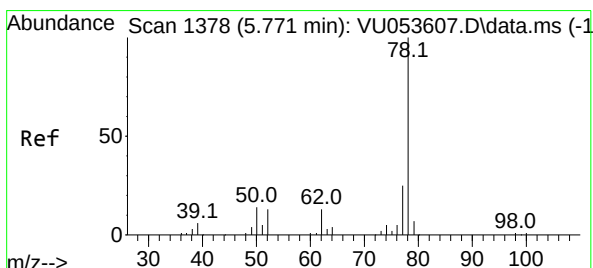
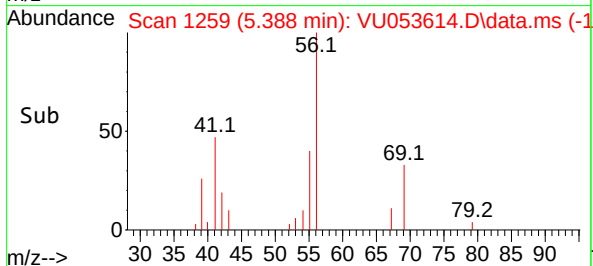
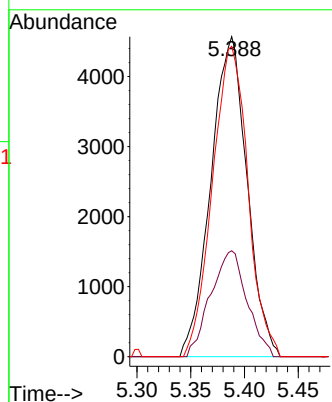
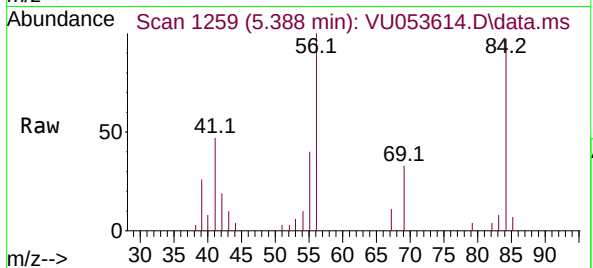
Tgt Ion: 56 Resp: 10696

Ion Ratio Lower Upper

56 100

69 33.2 27.3 40.9

84 94.9 81.3 121.9



#33

Benzene

Concen: 132.158 ug/L

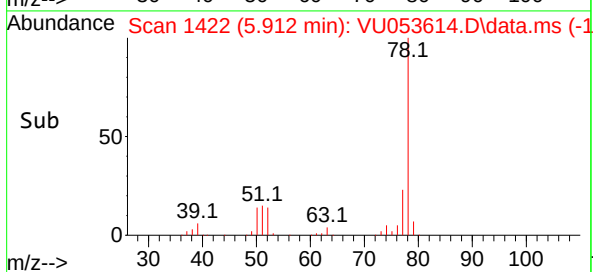
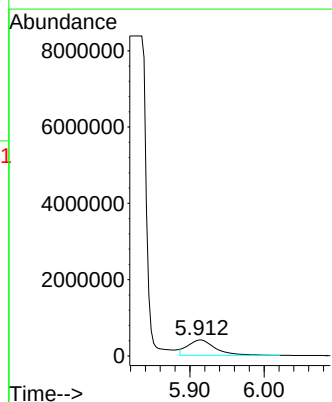
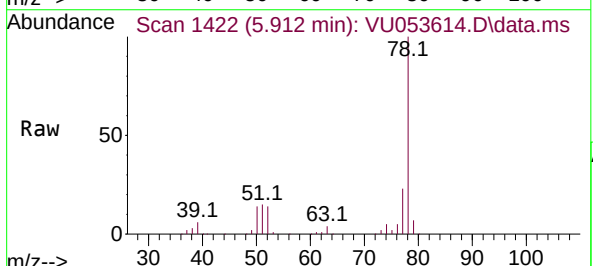
RT: 5.912 min Scan# 1422

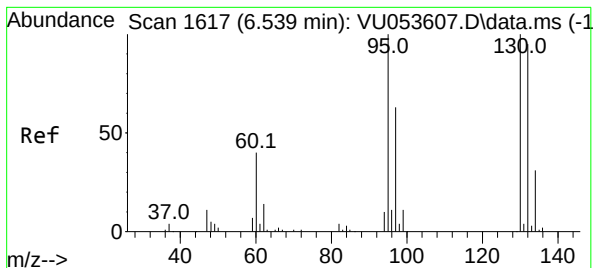
Delta R.T. 0.141 min

Lab File: VU053614.D

Acq: 10 Apr 2023 14:51

Tgt Ion: 78 Resp: 1038226





#34

Trichloroethene

Concen: 1.822 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU053614.D

Acq: 10 Apr 2023 14:51

Instrument :

MSVOA_U

ClientSampleId :

COMC8

Tgt Ion: 95 Resp: 4329

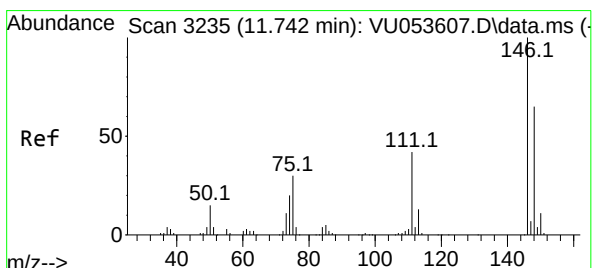
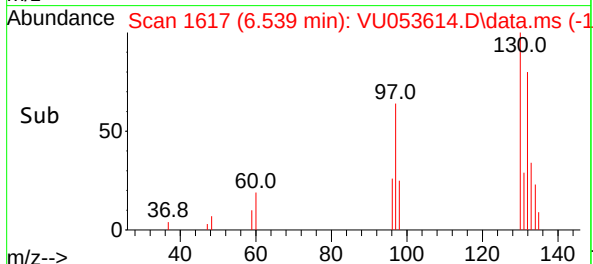
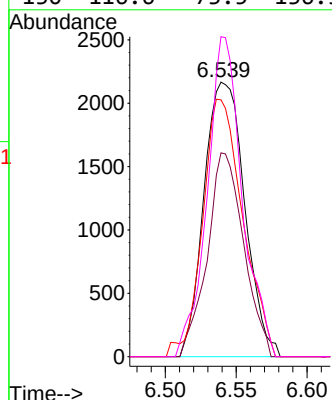
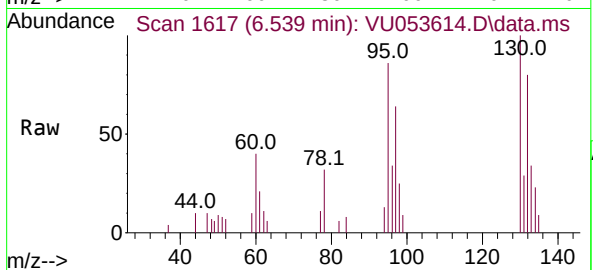
Ion Ratio Lower Upper

95 100

97 74.2 45.1 83.7

132 93.5 74.1 137.5

130 116.6 73.5 136.5



#64

1,3-Dichlorobenzene

Concen: 312.876 ug/L

RT: 11.745 min Scan# 3236

Delta R.T. 0.003 min

Lab File: VU053614.D

Acq: 10 Apr 2023 14:51

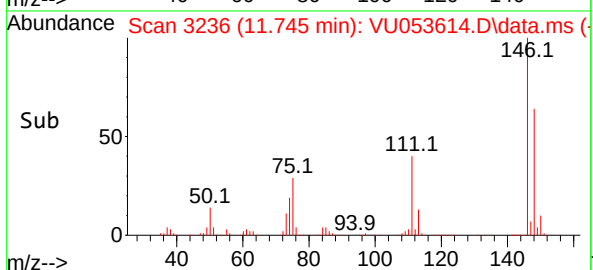
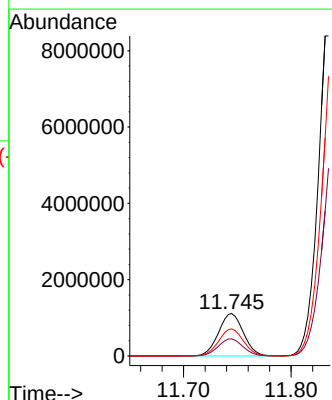
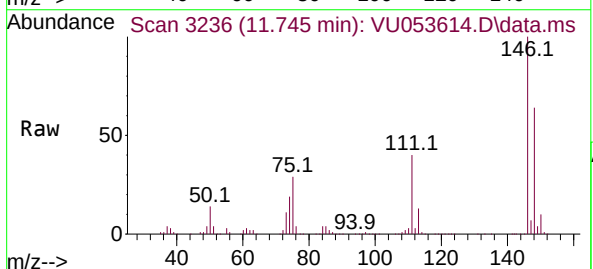
Tgt Ion:146 Resp: 1783339

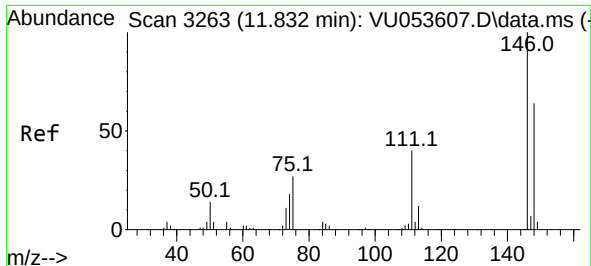
Ion Ratio Lower Upper

146 100

111 40.4 25.7 47.7

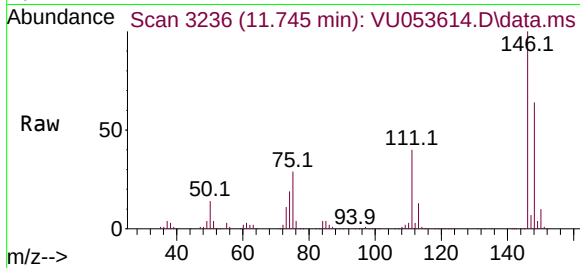
148 64.0 44.2 82.2



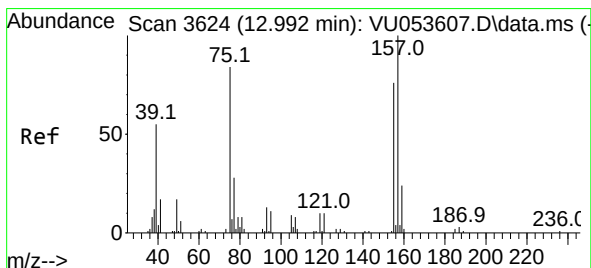
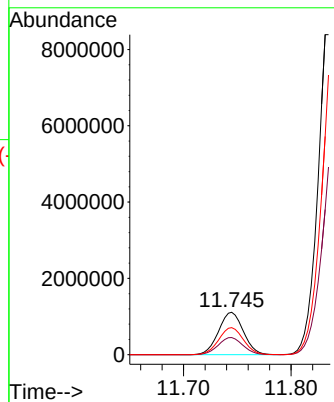
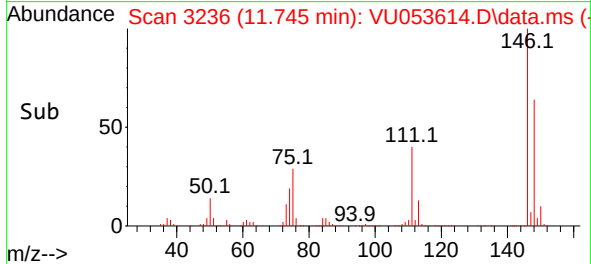


#65
1,4-Dichlorobenzene
Concen: 306.985 ug/L
RT: 11.745 min Scan# 311
Delta R.T. -0.087 min
Lab File: VU053614.D
Acq: 10 Apr 2023 14:51

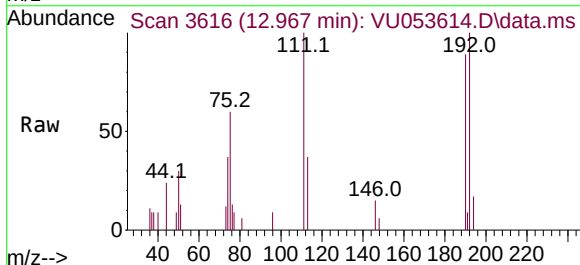
Instrument :
MSVOA_U
ClientSampleId :
COMC8



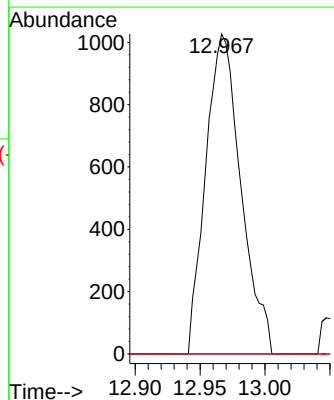
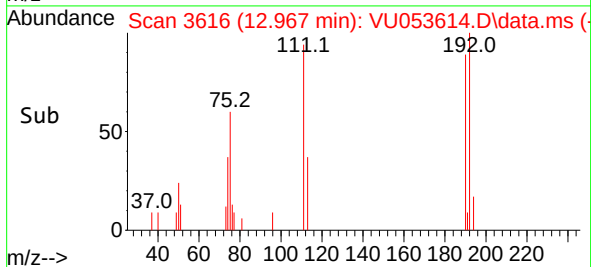
Tgt Ion:146 Resp: 1783339
Ion Ratio Lower Upper
146 100
111 40.4 25.1 46.5
148 64.0 44.3 82.3

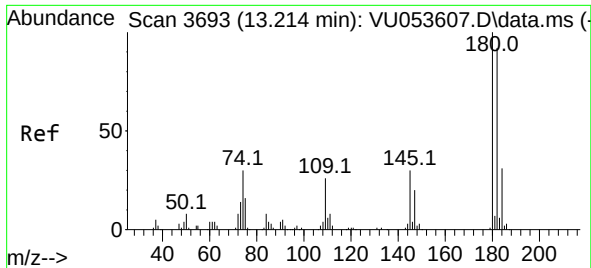


#68
1,2-Dibromo-3-chloropropane
Concen: 2.715 ug/L
RT: 12.967 min Scan# 3616
Delta R.T. -0.026 min
Lab File: VU053614.D
Acq: 10 Apr 2023 14:51



Tgt Ion: 75 Resp: 1936
Ion Ratio Lower Upper
75 100
155 0.0 79.9 119.9#
157 0.0 100.8 151.2#

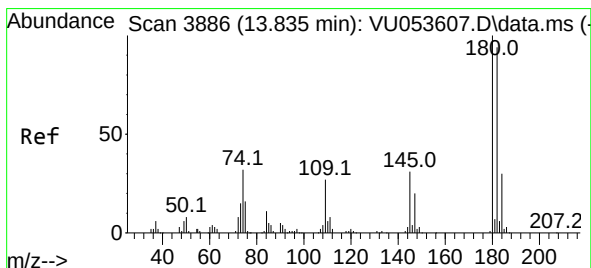
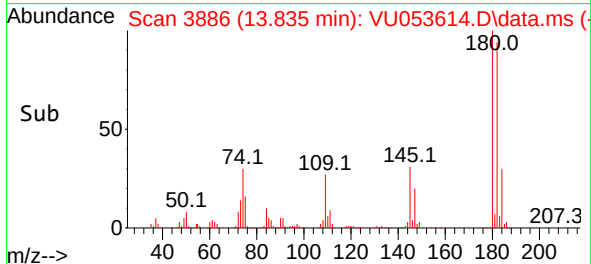
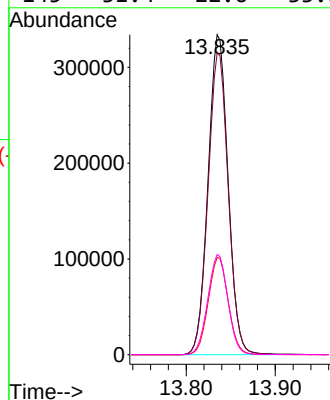
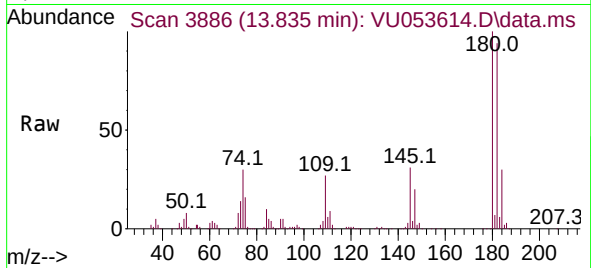




#69
 1,3,5-Trichlorobenzene
 Concen: 123.209 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.621 min
 Lab File: VU053614.D
 Acq: 10 Apr 2023 14:51

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:	180	Resp:	520050
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.6	113.4
184	30.4	24.2	36.2
145	31.4	22.6	33.8



#70
 1,2,4-trichlorobenzene
 Concen: 132.892 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053614.D
 Acq: 10 Apr 2023 14:51

Tgt Ion:	180	Resp:	520050
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.8	113.8
145	31.4	23.4	35.2

