

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041422\
 Data File : VU048088.D
 Acq On : 15 Apr 2022 02:53
 Operator : SY/MD
 Sample : N2419-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J47

Quant Time: Apr 15 05:30:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 05:02:53 2022
 Response via : Initial Calibration

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

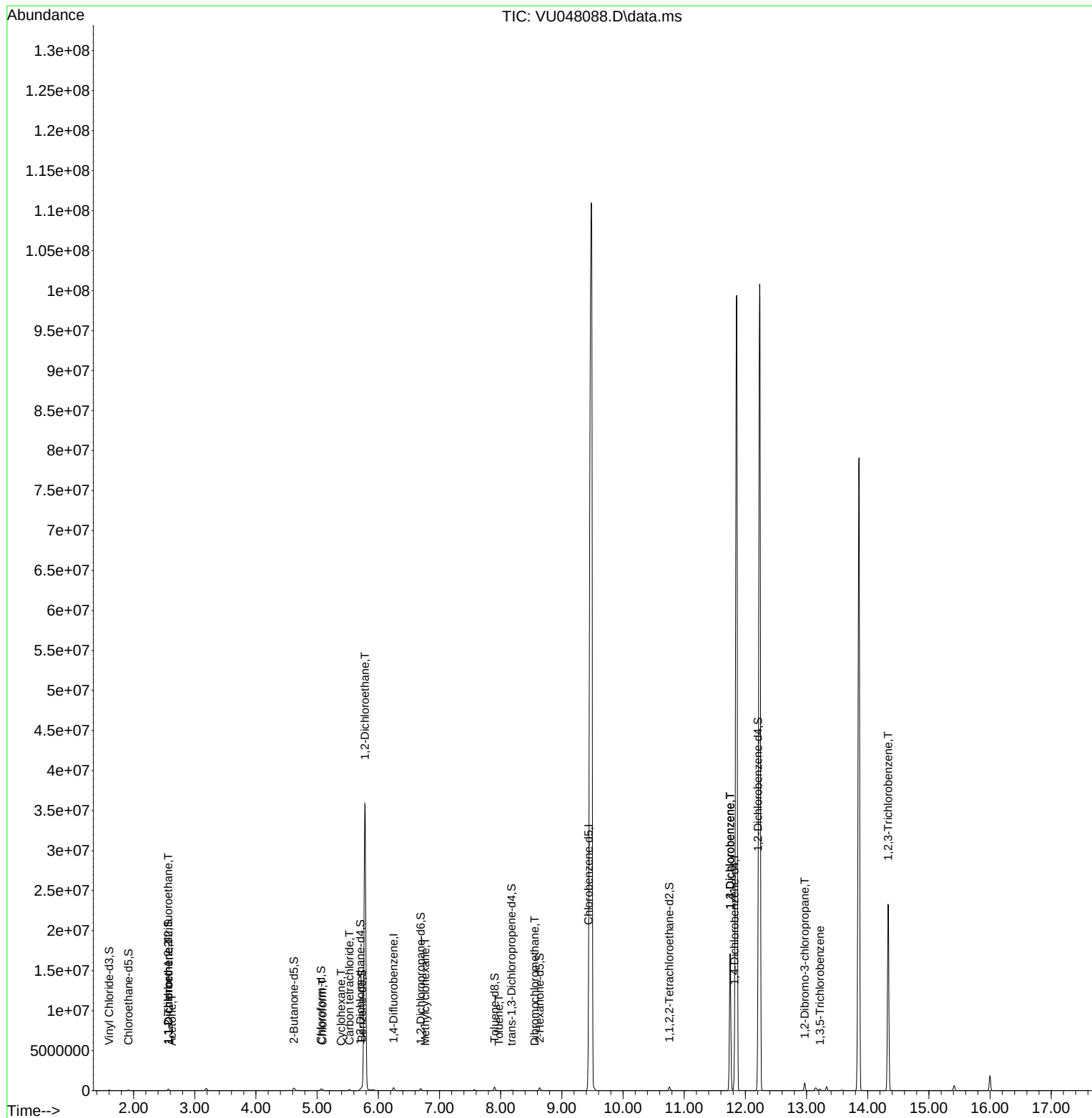
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	317824	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.436	117	360960	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.822	152	262602	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	76394	33.146	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	66.300%		
7) Chloroethane-d5	1.916	69	76817	42.270	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.540%		
11) 1,1-Dichloroethene-d2	2.568	63	111750	26.502	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.000%#		
21) 2-Butanone-d5	4.620	46	203192	102.715	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.710%		
24) Chloroform-d	5.067	84	193954	45.992	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.980%		
26) 1,2-Dichloroethane-d4	5.707	65	126923	49.073	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.140%		
32) Benzene-d6	5.732	84	371987	40.955	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.920%		
36) 1,2-Dichloropropane-d6	6.694	67	125516	44.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.000%		
41) Toluene-d8	7.899	98	298080	33.684	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	67.360%#		
43) trans-1,3-Dichloroprop...	8.179	79	44188	31.269	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.540%		
47) 2-Hexanone-d5	8.636	63	124591	76.300	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.300%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	229308	47.901	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.800%		
66) 1,2-Dichlorobenzene-d4	12.208	152	205715	44.032	ug/L	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.060%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	927	0.396	ug/L #	18
12) 1,1-Dichloroethene	2.572	96	1045	0.479	ug/L #	1
13) Acetone	2.626	43	6328	3.437	ug/L	92
25) Chloroform	5.089	83	67792	15.526	ug/L	97
27) 1,2-Dichloroethane	5.780	62	294319	87.249	ug/L #	75
29) Cyclohexane	5.391	56	9712	2.652	ug/L	95
31) Carbon tetrachloride	5.530	117	89448	24.202	ug/L	99
35) Methylcyclohexane	6.768	83	5281	1.267	ug/L #	77
42) Toluene	7.973	91	17226	1.503	ug/L	99
49) Dibromochloromethane	8.555	129	2395	0.734	ug/L #	11
64) 1,3-Dichlorobenzene	11.751	146	7301310	925.578	ug/L	99
65) 1,4-Dichlorobenzene	11.751	146	7301310	893.591	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.970	75	137611	86.780	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.221	180	42884	6.694	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	7456974	1325.590	ug/L	98

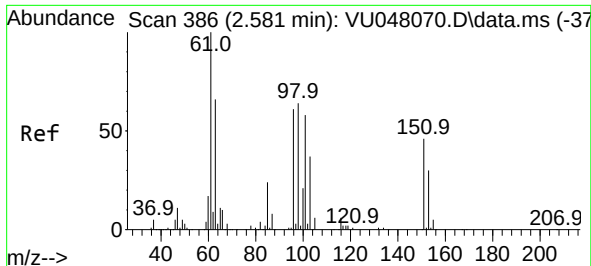
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Apr 15 05:02:53 2022
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.396 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.013 min

Lab File: VU048088.D

Acq: 15 Apr 2022 02:53

Instrument :

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ClientSampleId :

C0J47

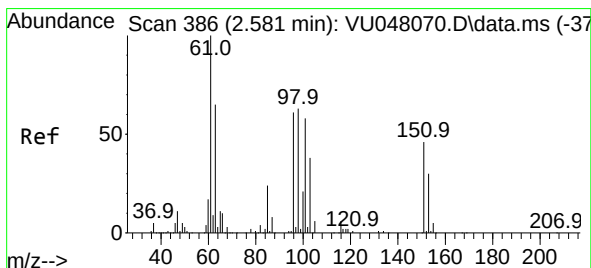
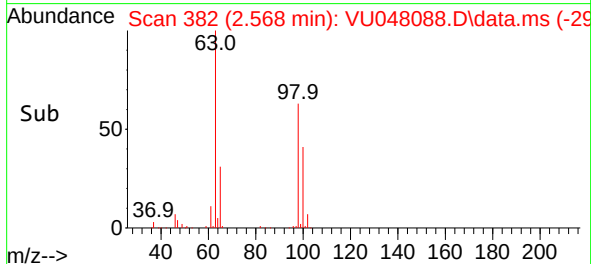
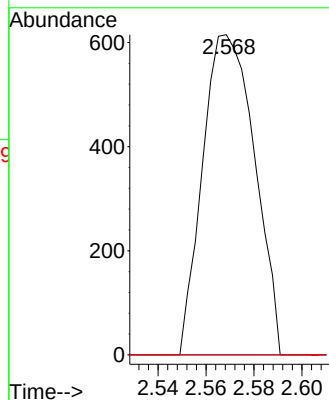
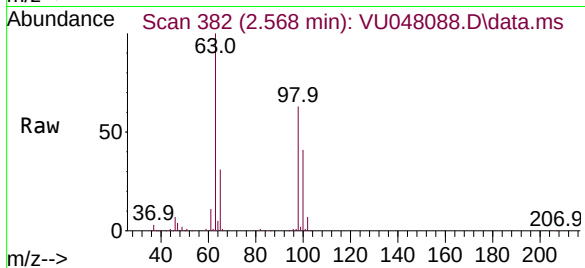
Tgt Ion:101 Resp: 927

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: 0.479 ug/L

RT: 2.572 min Scan# 383

Delta R.T. -0.010 min

Lab File: VU048088.D

Acq: 15 Apr 2022 02:53

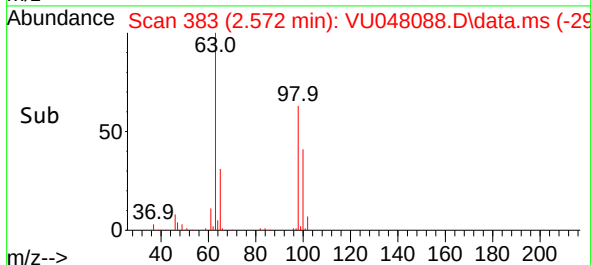
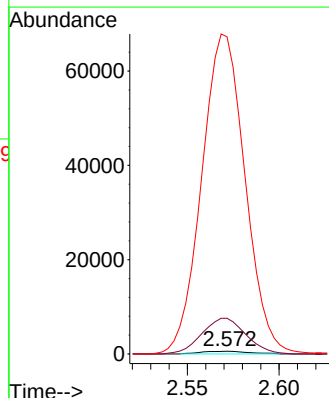
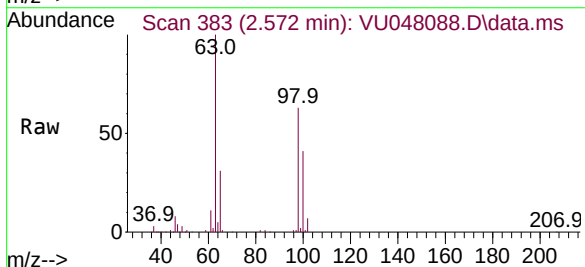
Tgt Ion: 96 Resp: 1045

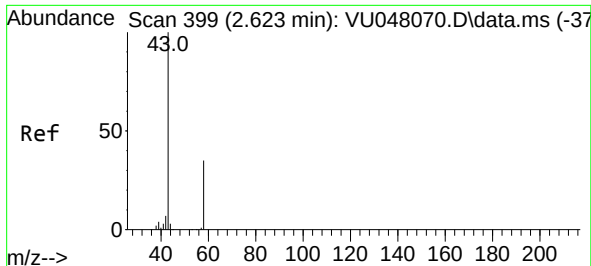
Ion Ratio Lower Upper

96 100

61 1323.0 113.1 210.1#

63 11738.9 94.8 176.0#





#13

Acetone

Concen: 3.437 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU048088.D

Acq: 15 Apr 2022 02:53

Instrument :

MSVOA_U

ClientSampleId :

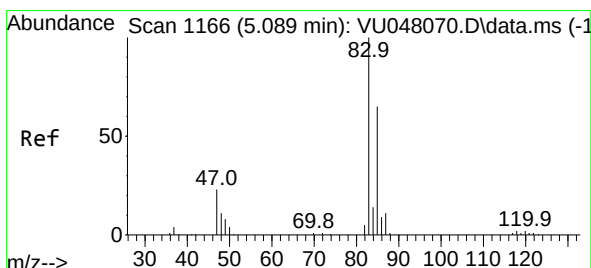
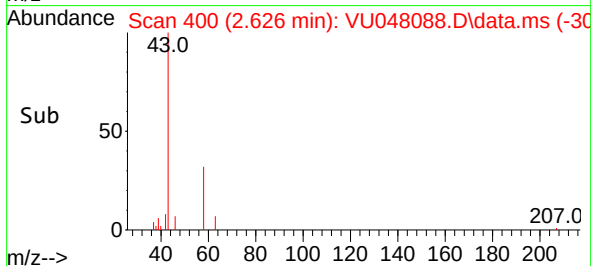
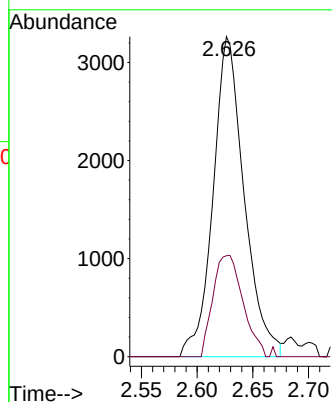
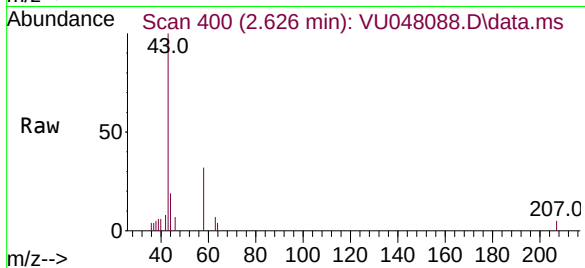
C0J47

Tgt Ion: 43 Resp: 6328

Ion Ratio Lower Upper

43 100

58 30.5 0.0 70.0



#25

Chloroform

Concen: 15.526 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048088.D

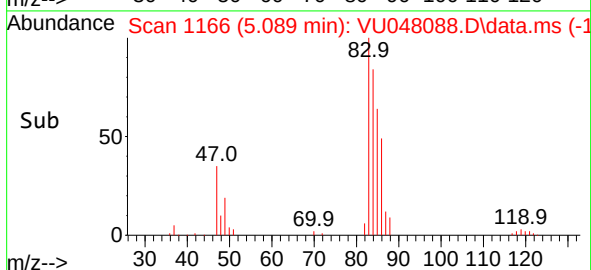
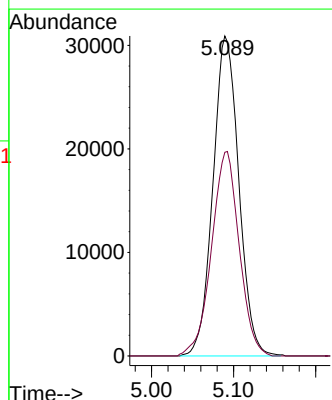
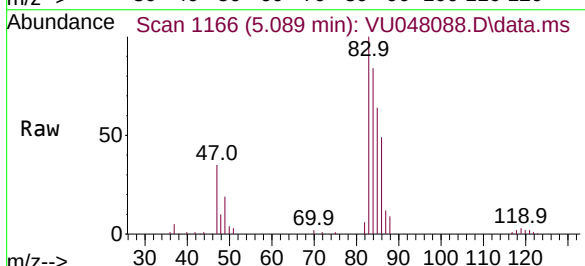
Acq: 15 Apr 2022 02:53

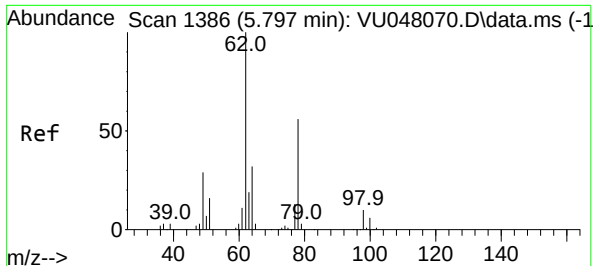
Tgt Ion: 83 Resp: 67792

Ion Ratio Lower Upper

83 100

85 63.6 46.2 85.8





#27

1,2-Dichloroethane

Concen: 87.249 ug/L

RT: 5.780 min Scan# 11

Delta R.T. -0.016 min

Lab File: VU048088.D

Acq: 15 Apr 2022 02:53

Instrument :

MSVOA_U

ClientSampleId :

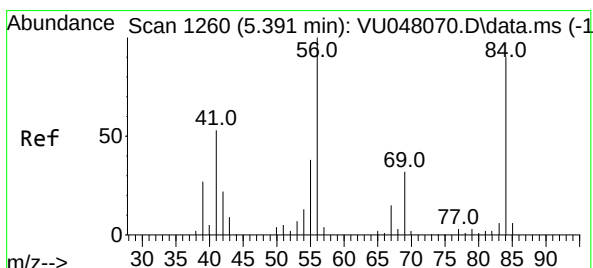
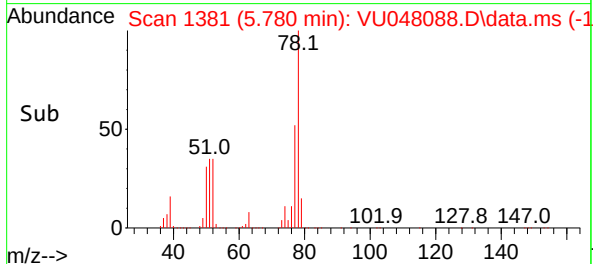
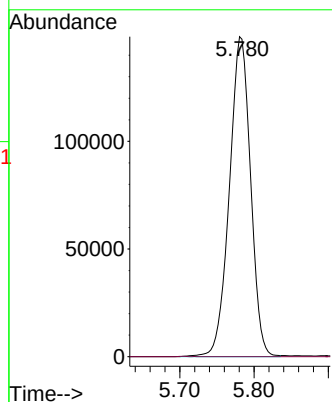
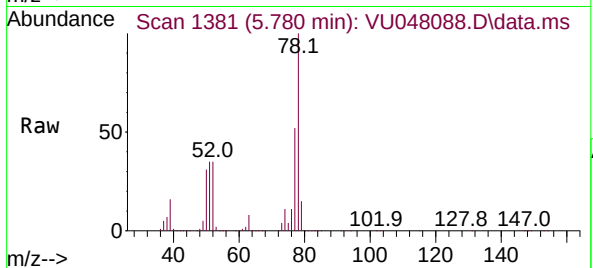
C0J47

Tgt Ion: 62 Resp: 294319

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#29

Cyclohexane

Concen: 2.652 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048088.D

Acq: 15 Apr 2022 02:53

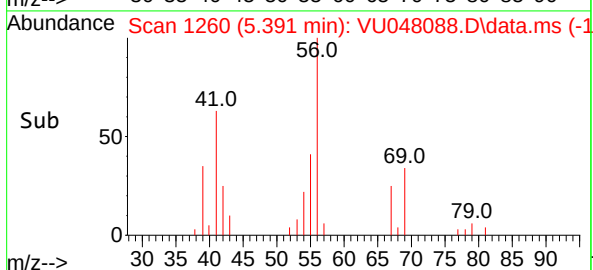
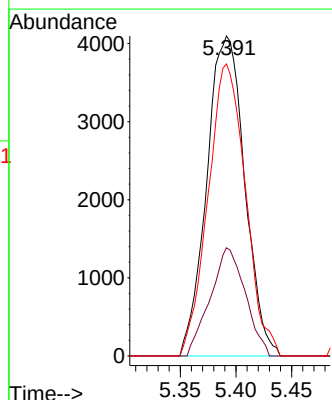
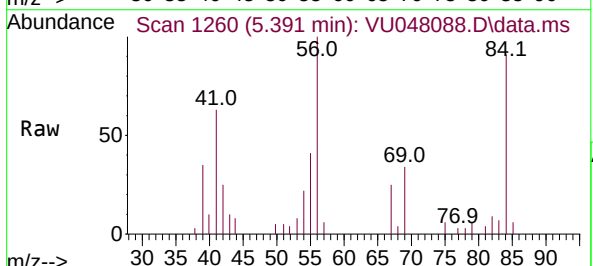
Tgt Ion: 56 Resp: 9712

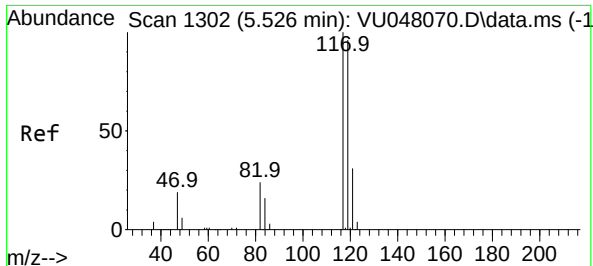
Ion Ratio Lower Upper

56 100

69 31.2 25.4 38.2

84 90.0 77.0 115.6

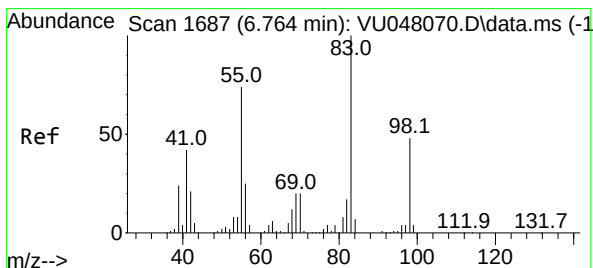
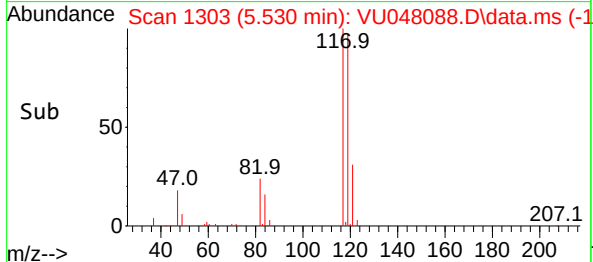
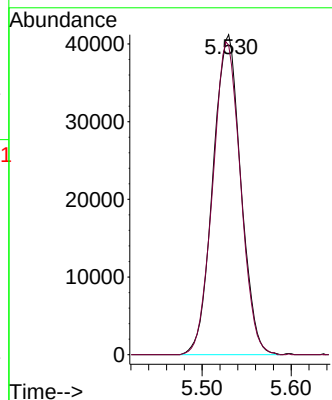
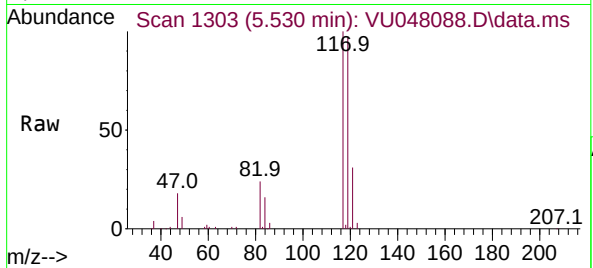




#31
Carbon tetrachloride
Concen: 24.202 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048088.D
Acq: 15 Apr 2022 02:53

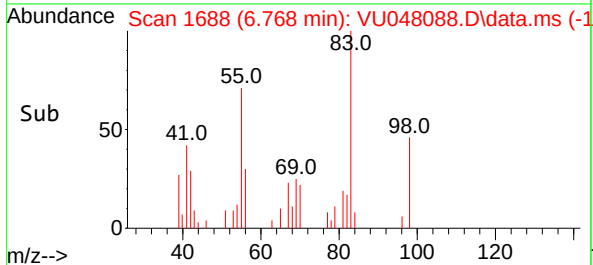
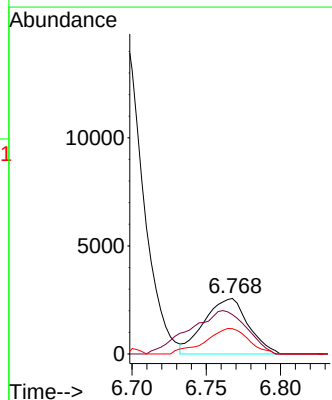
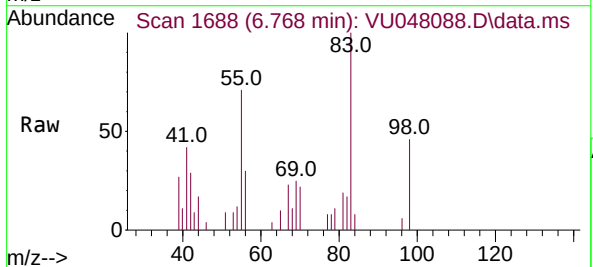
Instrument :
MSVOA_U
ClientSampleId :
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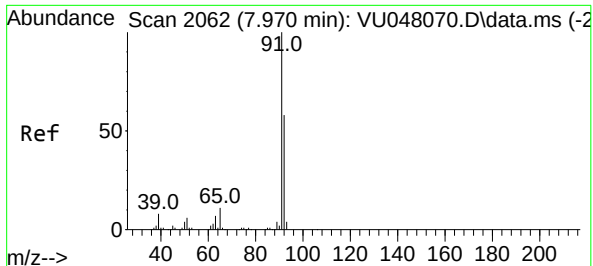
Tgt Ion:117 Resp: 89448
Ion Ratio Lower Upper
117 100
119 97.5 77.2 115.8



#35
Methylcyclohexane
Concen: 1.267 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU048088.D
Acq: 15 Apr 2022 02:53

Tgt Ion: 83 Resp: 5281
Ion Ratio Lower Upper
83 100
55 101.1 56.8 85.2#
98 45.0 38.1 57.1





#42

Toluene

Concen: 1.503 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU048088.D

Acq: 15 Apr 2022 02:53

Instrument :

MSVOA_U

ClientSampleId :

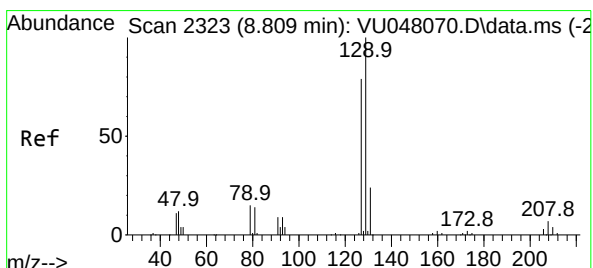
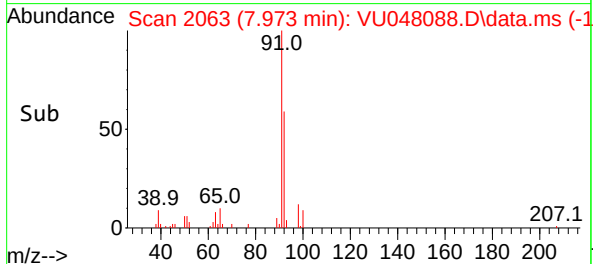
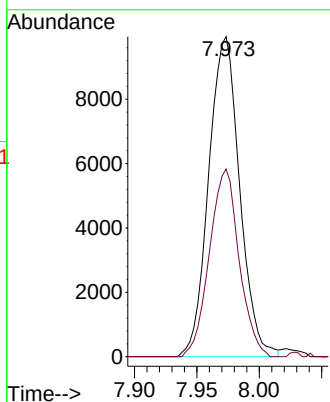
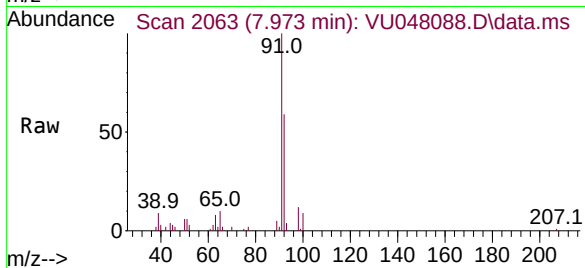
C0J47

Tgt Ion: 91 Resp: 17226

Ion Ratio Lower Upper

91 100

92 58.7 40.4 75.0



#49

Dibromochloromethane

Concen: 0.734 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.254 min

Lab File: VU048088.D

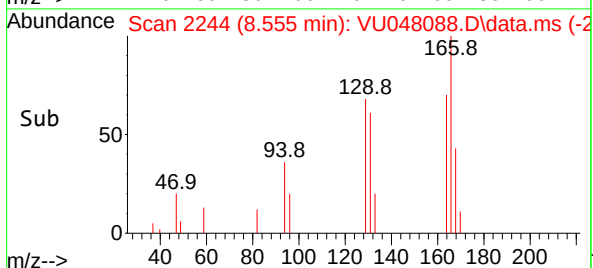
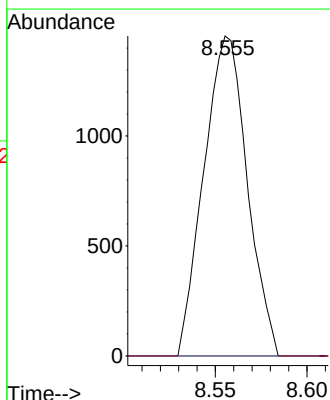
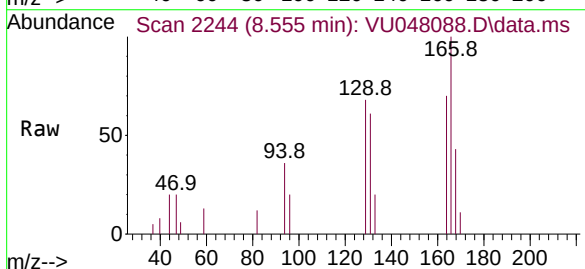
Acq: 15 Apr 2022 02:53

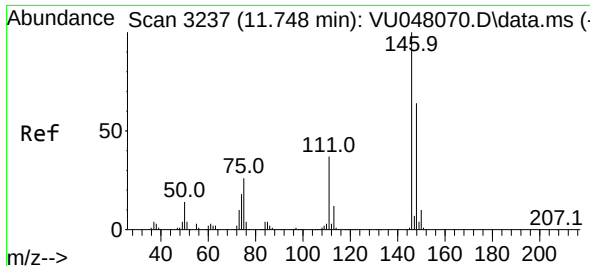
Tgt Ion: 129 Resp: 2395

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#

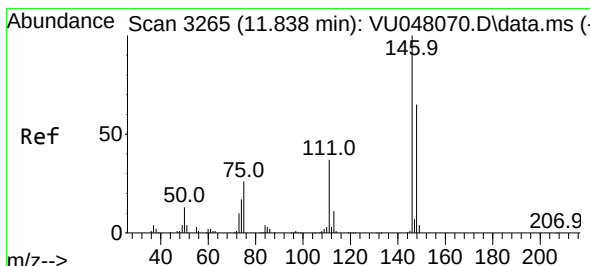
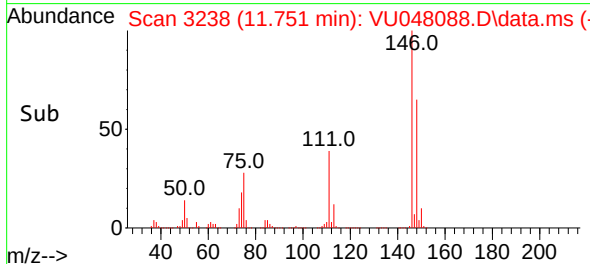
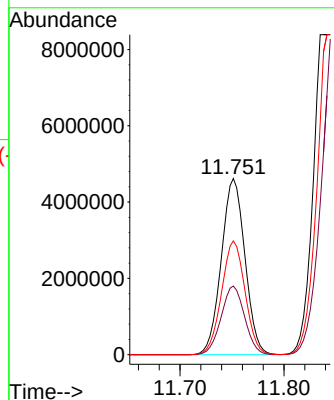
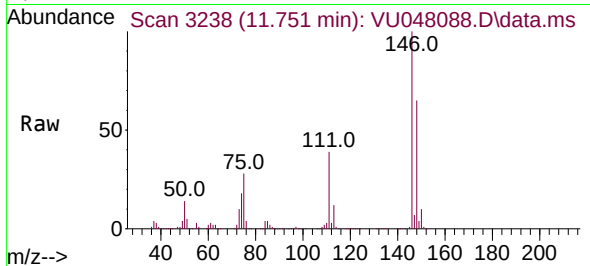




#64
1,3-Dichlorobenzene
Concen: 925.578 ug/L
RT: 11.751 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048088.D
Acq: 15 Apr 2022 02:53

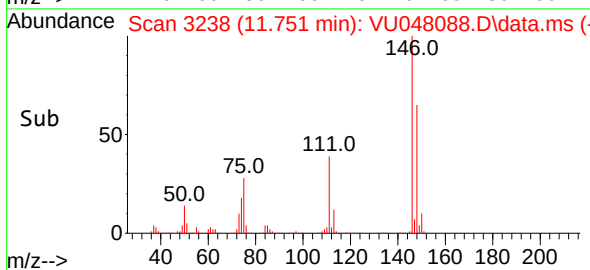
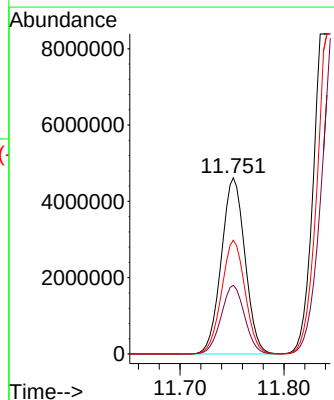
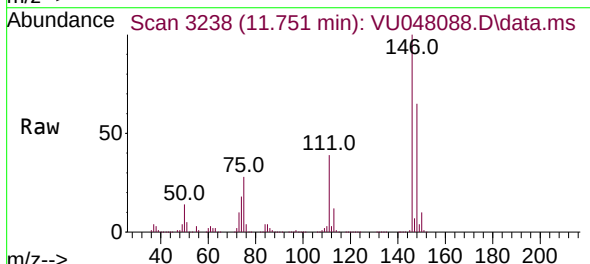
Instrument :
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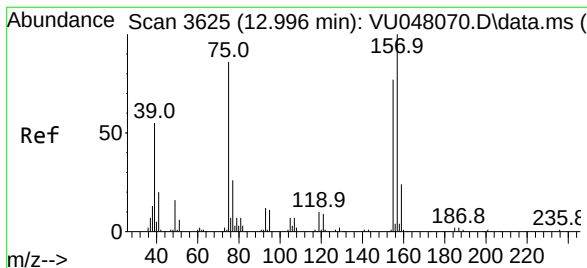
Tgt Ion:146 Resp: 7301310
Ion Ratio Lower Upper
146 100
111 39.0 26.7 49.7
148 64.6 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 893.591 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.087 min
Lab File: VU048088.D
Acq: 15 Apr 2022 02:53

Tgt Ion:146 Resp: 7301310
Ion Ratio Lower Upper
146 100
111 39.0 25.3 47.1
148 64.6 44.5 82.7

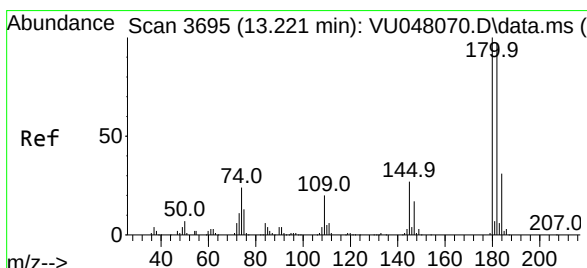
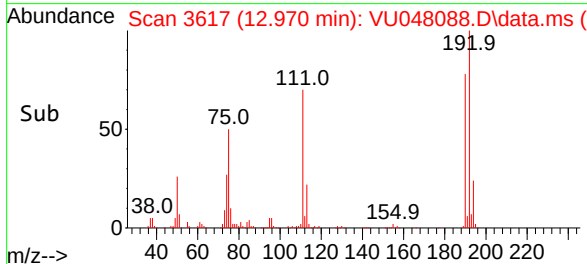
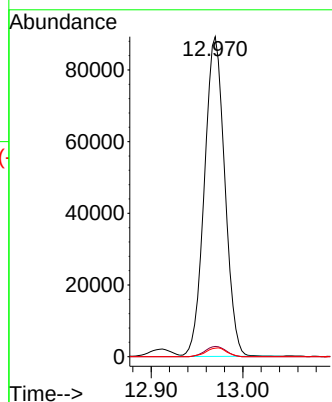
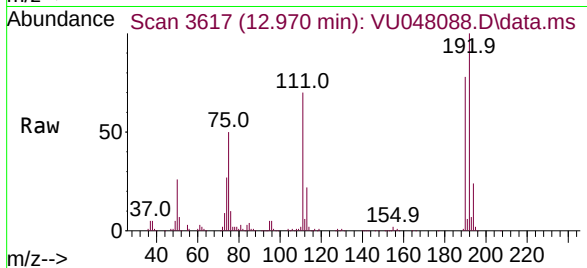




#68
1,2-Dibromo-3-chloropropane
Concen: 86.780 ug/L
RT: 12.970 min Scan# 3617
Delta R.T. -0.026 min
Lab File: VU048088.D
Acq: 15 Apr 2022 02:53

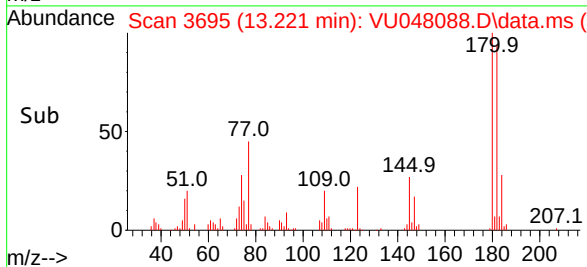
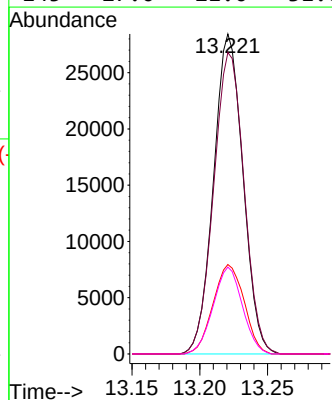
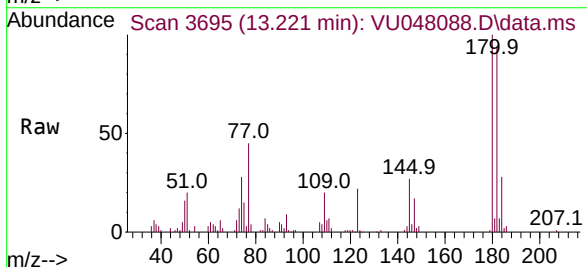
Instrument :
MSVOA_U
ClientSampleId :
C0J47

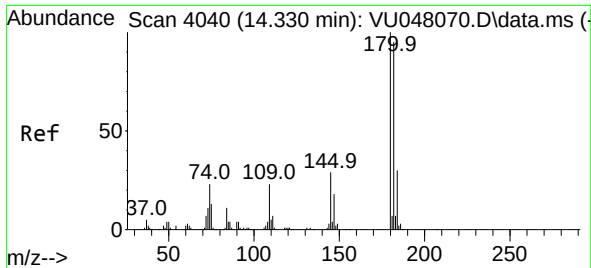
Tgt Ion: 75 Resp: 137611
Ion Ratio Lower Upper
75 100
155 3.2 78.9 118.3#
157 2.9 97.5 146.3#



#69
1,3,5-Trichlorobenzene
Concen: 6.694 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU048088.D
Acq: 15 Apr 2022 02:53

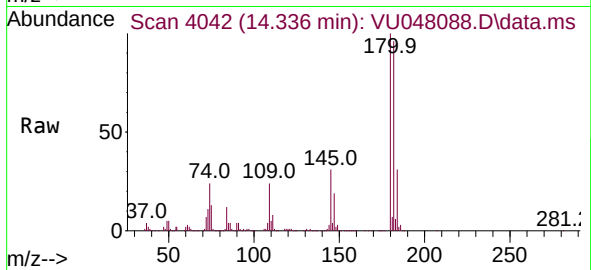
Tgt Ion:180 Resp: 42884
Ion Ratio Lower Upper
180 100
182 97.3 77.0 115.6
184 29.4 24.5 36.7
145 27.0 21.0 31.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1325.590 ug/L
 RT: 14.336 min Scan# 4042
 Delta R.T. 0.006 min
 Lab File: VU048088.D
 Acq: 15 Apr 2022 02:53

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J47



Tgt Ion:180 Resp: 7456974

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.0
145	30.2	22.8	34.2

