

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122420\
 Data File : VU041800.D
 Acq On : 24 Dec 2020 10:33
 Operator : SY/MD
 Sample : L5183-01 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 X2T97

Quant Time: Dec 25 02:55:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 02:17:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	334072	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	312379	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	131622	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	138470	55.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.92%
7) Chloroethane-d5	1.92	69	110500	52.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.56%
11) 1,1-Dichloroethene-d2	2.58	63	236137	53.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.86%
21) 2-Butanone-d5	4.64	46	175169	92.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.10%
24) Chloroform-d	5.08	84	215098	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
26) 1,2-Dichloroethane-d4	5.71	65	133290	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
32) Benzene-d6	5.74	84	428001	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
36) 1,2-Dichloropropane-d6	6.70	67	134268	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.86%
41) Toluene-d8	7.90	98	392437	46.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.28%
43) trans-1,3-Dichloropropene-	8.18	79	64145	44.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.74%
47) 2-Hexanone-d5	8.64	63	146271	95.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.75%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	197774	46.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.86%
66) 1,2-Dichlorobenzene-d4	12.19	152	142391	52.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

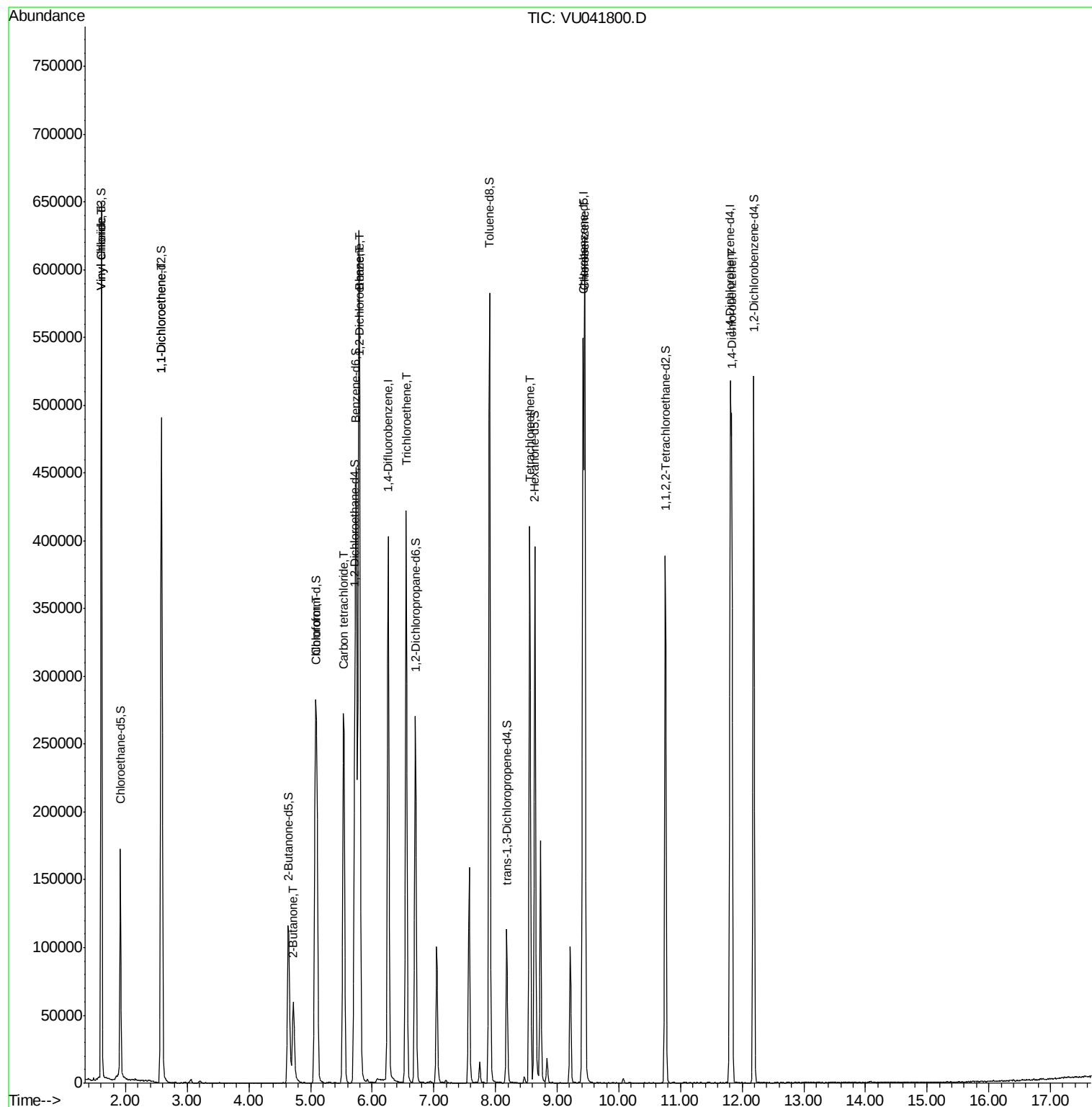
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	318305	112.569	ug/L	98
12) 1,1-Dichloroethene	2.59	96	95923	44.733	ug/L	# 84
22) 2-Butanone	4.72	43	83320	40.765	ug/L	100
25) Chloroform	5.10	83	169205	39.522	ug/L	98
27) 1,2-Dichloroethane	5.81	62	84964	25.433	ug/L	98
31) Carbon tetrachloride	5.54	117	194051	57.364	ug/L	100
33) Benzene	5.79	78	584947	59.229	ug/L	100
34) Trichloroethene	6.55	95	145496	56.860	ug/L	98
46) Tetrachloroethene	8.56	164	96017	48.347	ug/L	99
51) Chlorobenzene	9.45	112	336925	50.586	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	184412	42.305	ug/L	99

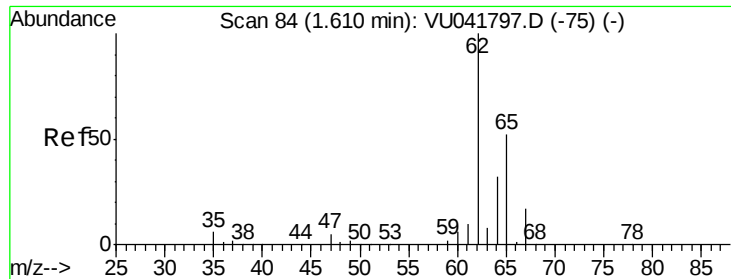
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 112.569 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041800.D

Acq: 24 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

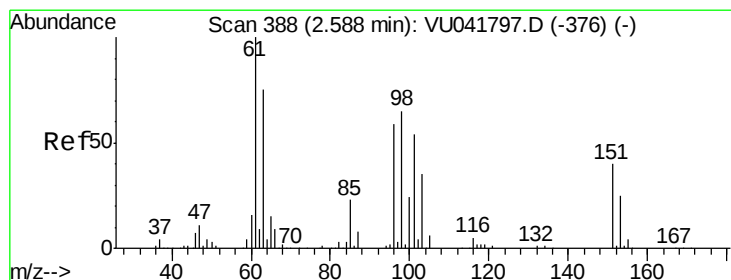
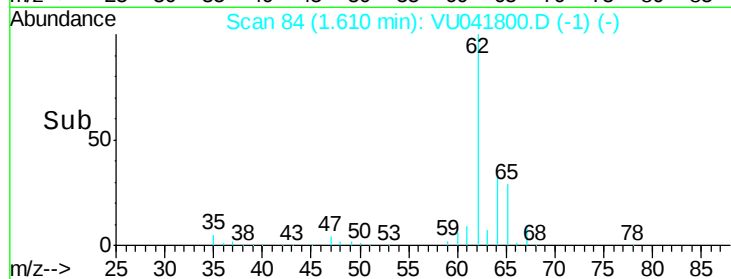
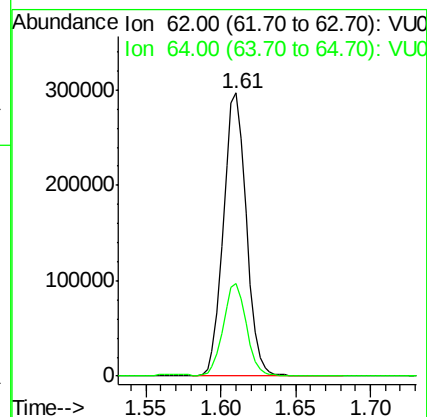
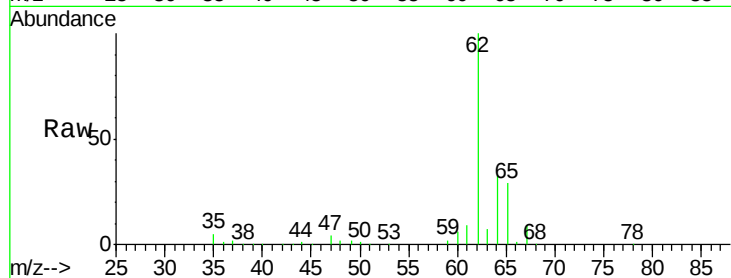
X2T97

Tot Ion: 62 Resp: 318305

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



#12

1,1-Dichloroethene

Concen: 44.733 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041800.D

Acq: 24 Dec 2020 10:33

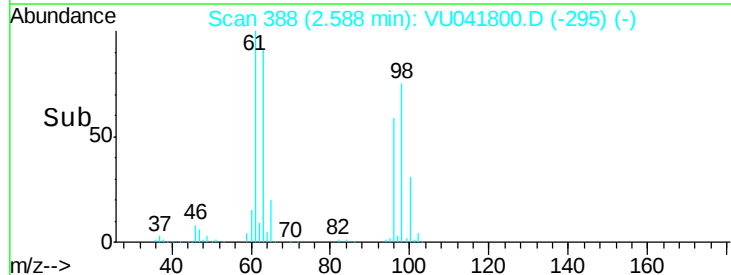
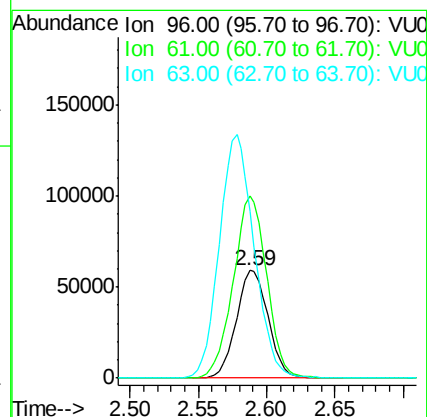
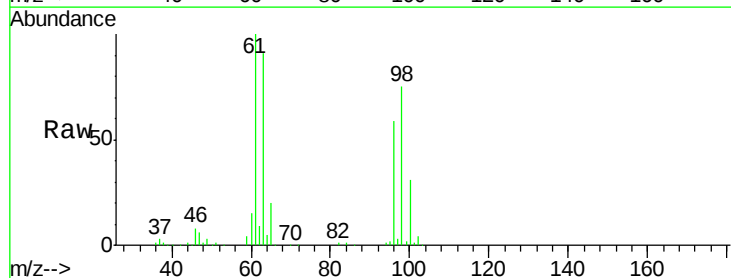
Tgt Ion: 96 Resp: 95923

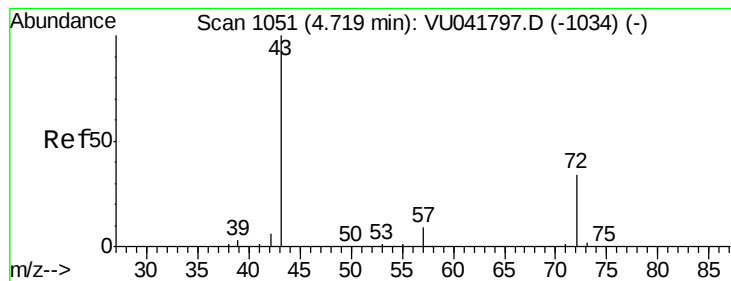
Ion Ratio Lower Upper

96 100

61 169.2 114.3 212.3

63 154.5 83.0 154.2#





#22

2-Butanone

Concen: 40.765 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU041800.D

Acq: 24 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

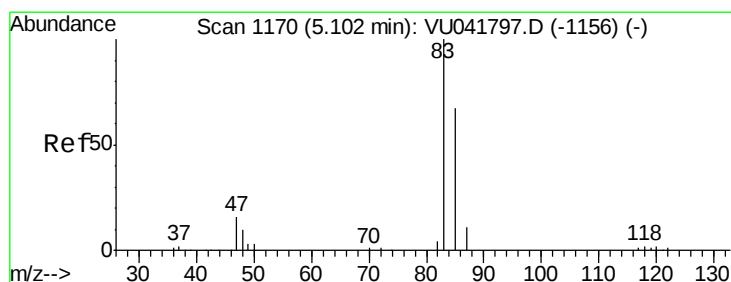
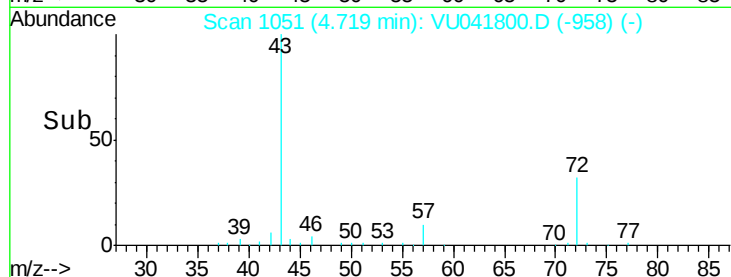
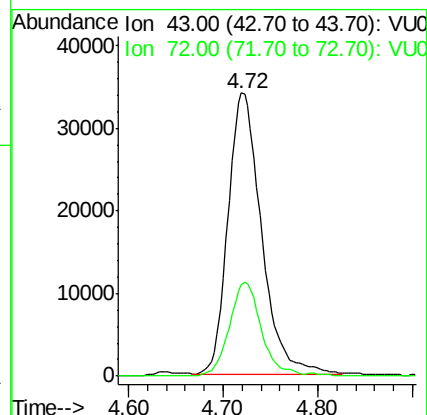
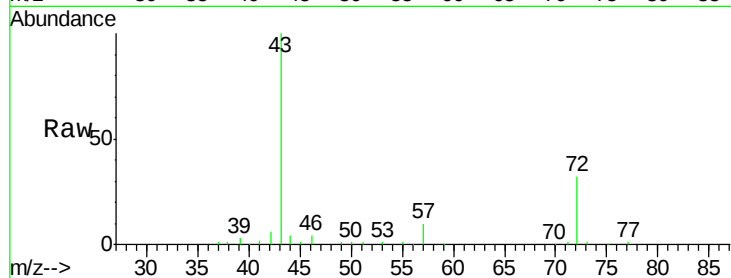
X2T97

Tot Ion: 43 Resp: 83320

Ion Ratio Lower Upper

43 100

72 31.4 15.6 46.8



#25

Chloroform

Concen: 39.522 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VU041800.D

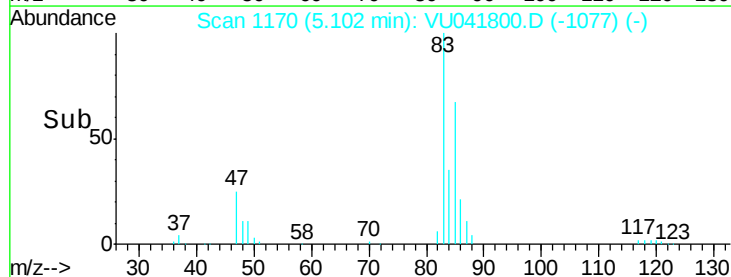
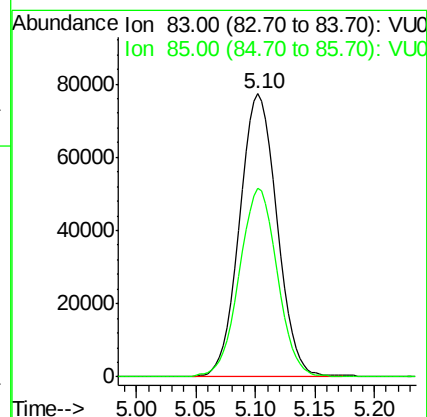
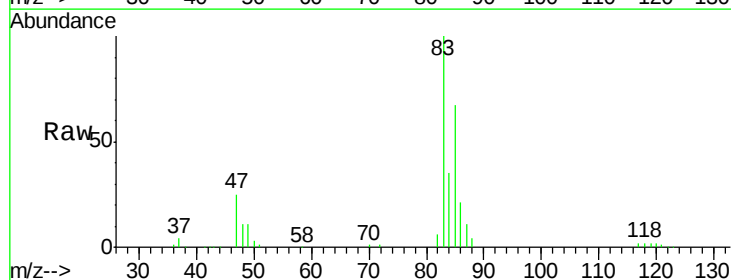
Acq: 24 Dec 2020 10:33

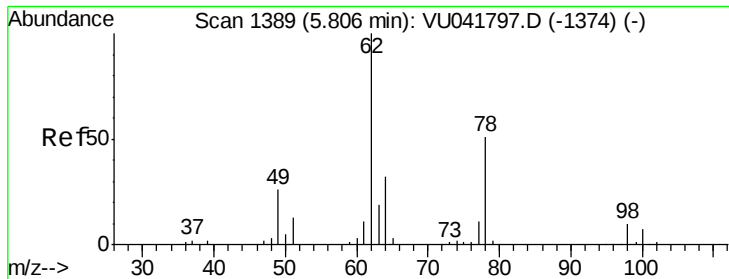
Tgt Ion: 83 Resp: 169205

Ion Ratio Lower Upper

83 100

85 66.6 45.4 84.4

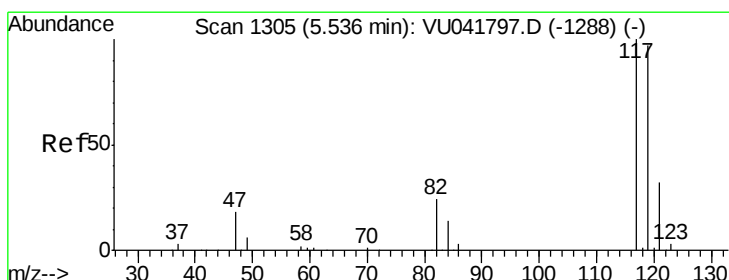
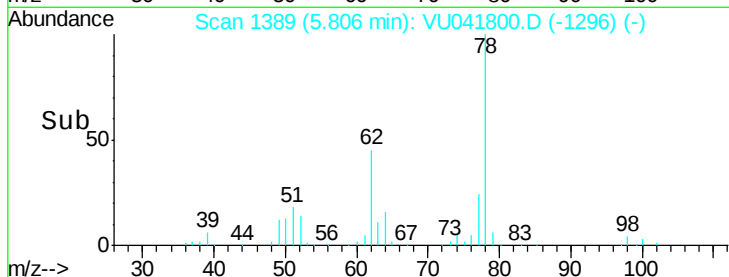
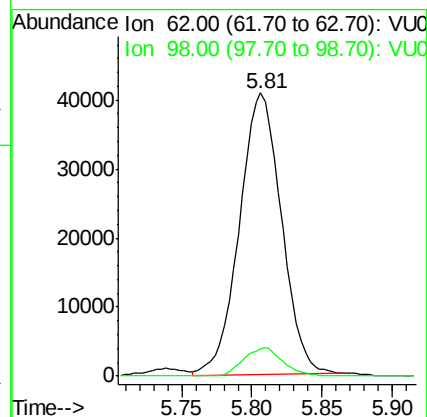
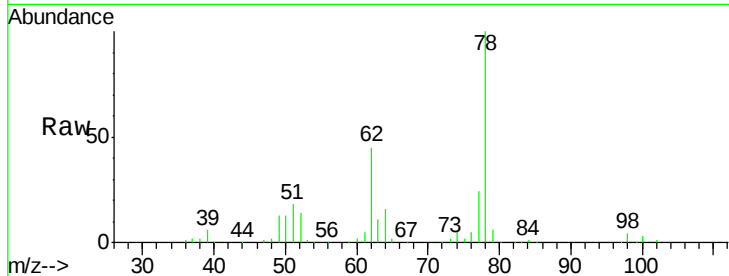




#27
 1,2-Dichloroethane
 Concen: 25.433 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VU041800.D
 Acq: 24 Dec 2020 10:33

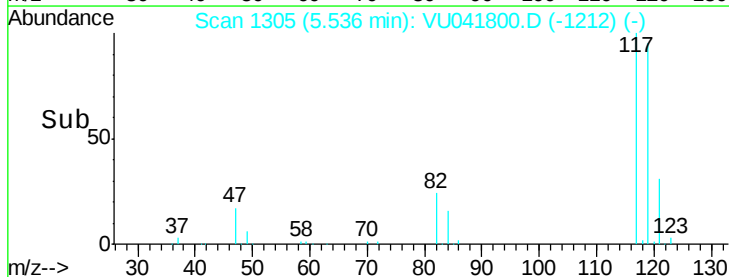
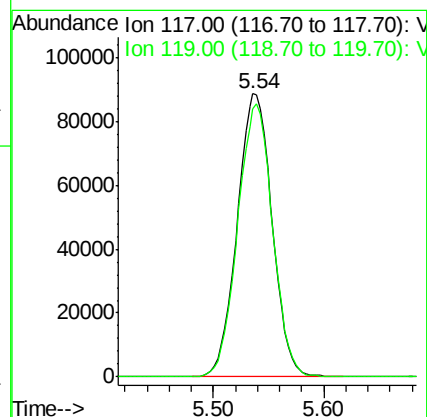
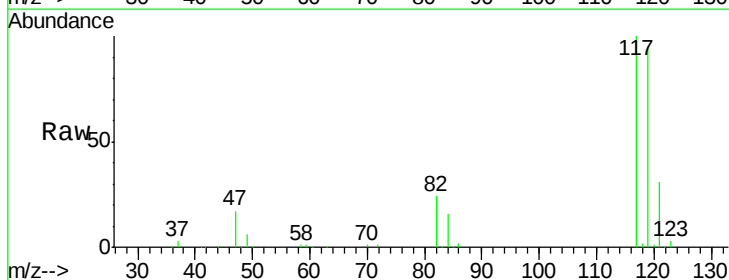
Instrument :
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 ClientSampleId :
 X2T97

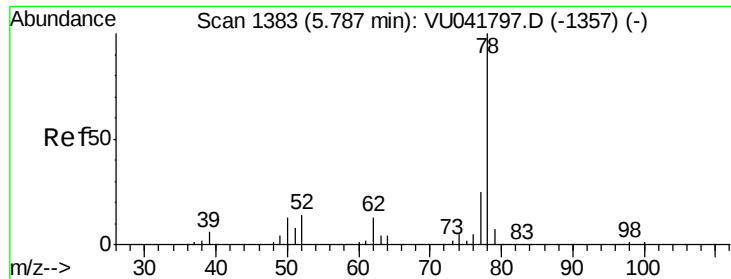
Tot Ion: 62 Resp: 84964
 Ion Ratio Lower Upper
 62 100
 98 9.7 7.1 10.7



#31
 Carbon tetrachloride
 Concen: 57.364 ug/L
 RT: 5.54 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU041800.D
 Acq: 24 Dec 2020 10:33

Tgt Ion: 117 Resp: 194051
 Ion Ratio Lower Upper
 117 100
 119 96.4 77.2 115.8





#33

Benzene

Concen: 59.229 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041800.D

Acq: 24 Dec 2020 10:33

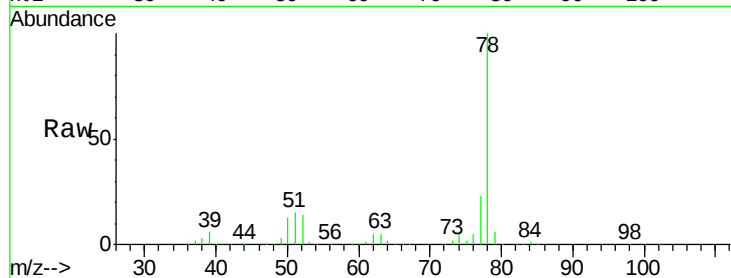
Instrument :

MSVOA_U

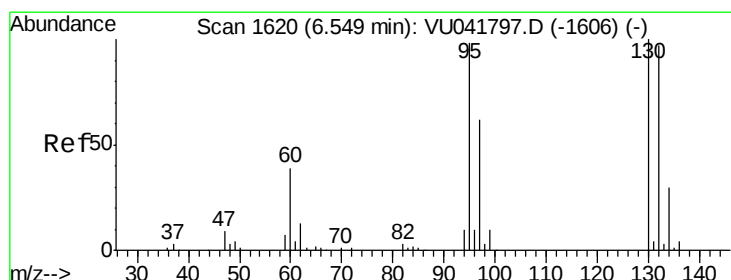
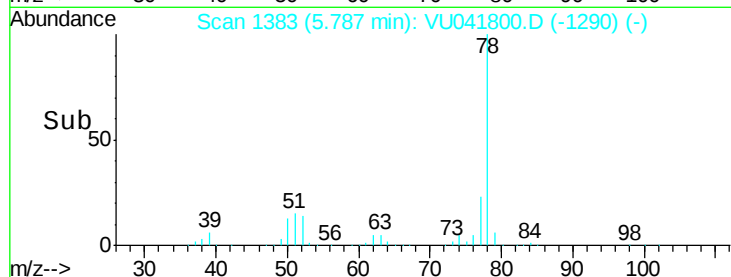
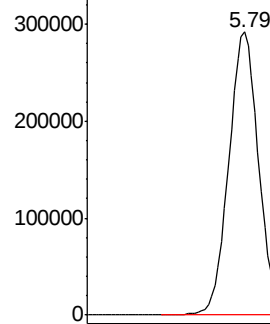
ClientSampleId :

X2T97

Tgt Ion: 78 Resp: 584947



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 56.860 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041800.D

Acq: 24 Dec 2020 10:33

Tgt Ion: 95 Resp: 145496

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.5	82.7
132	97.3	66.7	123.9
130	99.6	72.5	134.7

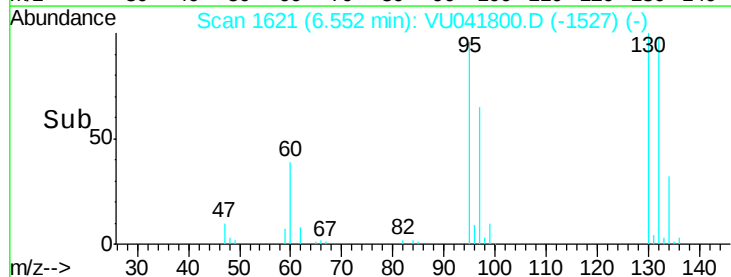
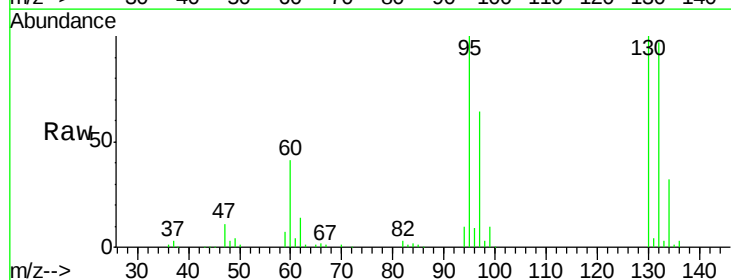
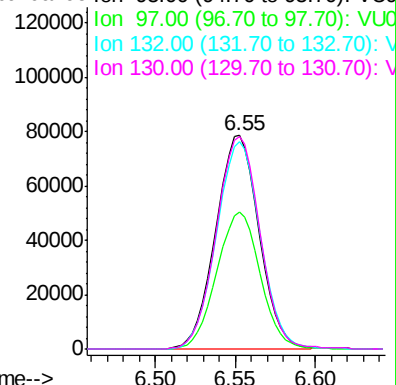
Ion 95.00 (94.70 to 95.70): VU0

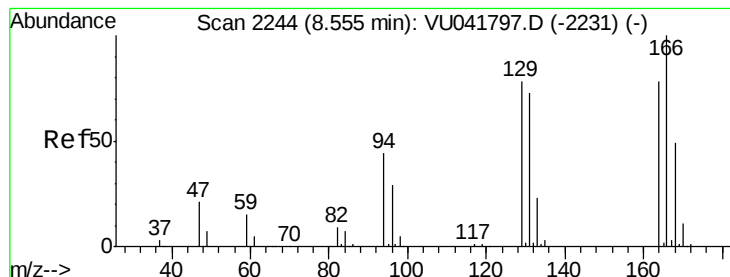
Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

Abundance Ion 95.00 (94.70 to 95.70): VU0





#46

Tetrachloroethene

Concen: 48.347 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041800.D

Acq: 24 Dec 2020 10:33

Instrument :

MSVOA_U

ClientSampleId :

X2T97

Tot Ion:164 Resp: 96017

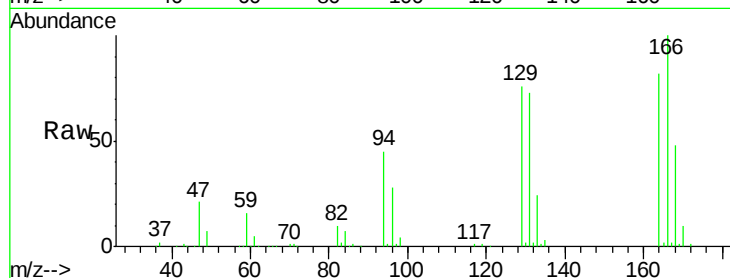
Ion Ratio Lower Upper

164 100

129 92.6 64.5 119.9

131 89.2 62.5 116.1

166 121.7 87.5 162.5

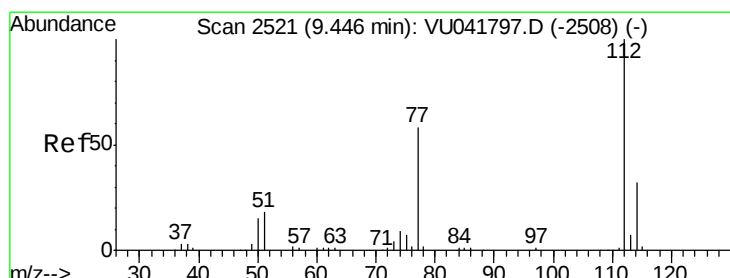
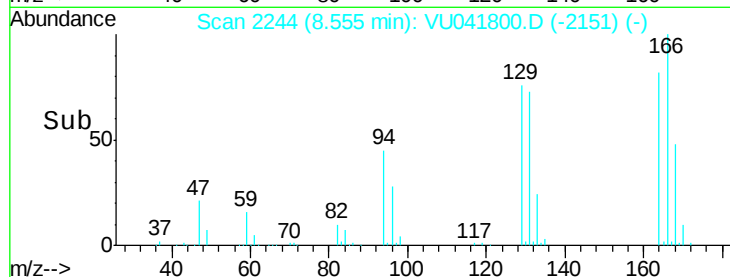
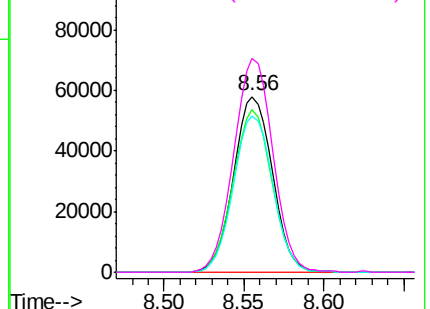


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 50.586 ug/L

RT: 9.45 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VU041800.D

Acq: 24 Dec 2020 10:33

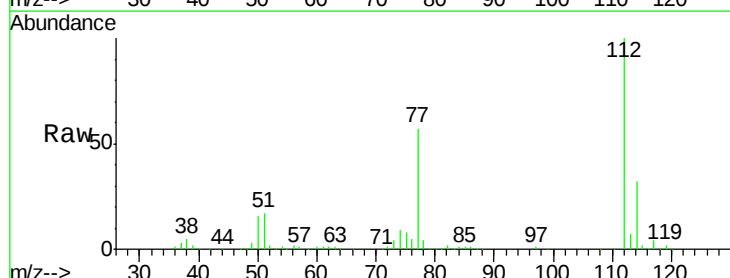
Tgt Ion:112 Resp: 336925

Ion Ratio Lower Upper

112 100

114 32.3 22.0 41.0

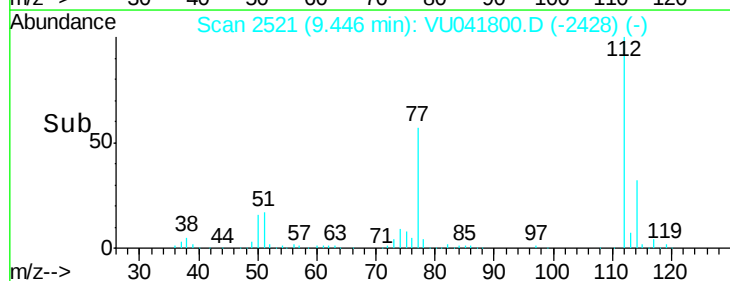
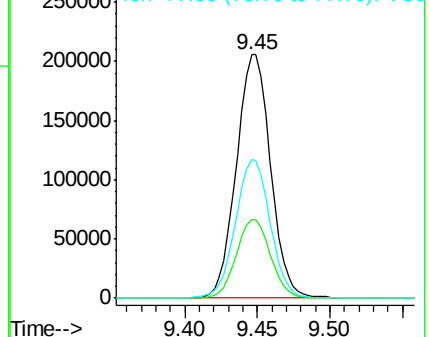
77 57.1 46.0 69.0

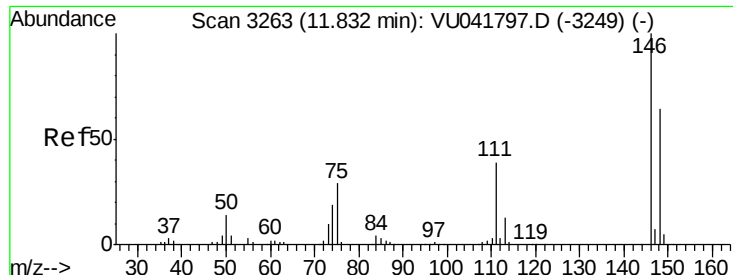


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#65

1,4-Dichlorobenzene

Concen: 42.305 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041800.D

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Tot Ion:146 Resp: 184412

Ion Ratio Lower Upper

146 100

111 38.8 28.1 52.1

148 64.4 44.8 83.2

