

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112018\
 Data File : VU028286.D
 Acq On : 20 Nov 2018 18:34
 Operator : MD/SY
 Sample : J5995-12DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:11:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 07:07:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	125476	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	118860	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50689	5.00	ug/L	0.00

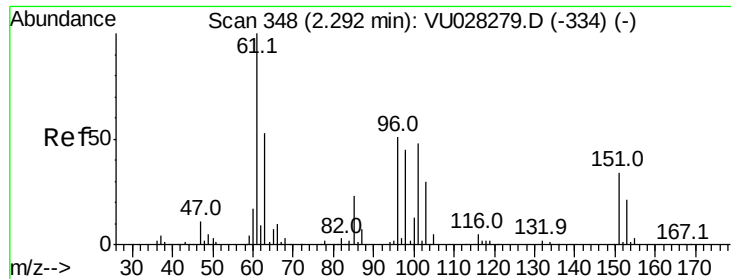
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38440	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.68	69	38141	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.28	63	58302	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.20	46	179439	56.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.58%
24) Chloroform-d	4.65	84	84445	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.31	65	47813	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.34	84	156945	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.33	67	62885	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.57	98	130616	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.85	79	17124	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.31	63	126367	53.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	48190	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	49857	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	405	0.050	ug/L #	21
13) Acetone	2.33	43	1455	0.670	ug/L	83
16) Methylene chloride	2.70	84	2146	0.220	ug/L #	69
17) Methyl tert-butyl Ether	3.01	73	252375	10.876	ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	3375	0.347	ug/L	80
25) Chloroform	4.68	83	3813	0.185	ug/L #	63
34) Trichloroethene	6.19	95	2286	0.238	ug/L	94
35) Methylcyclohexane	6.33	83	13089	0.865	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	6309	0.564	ug/L #	94
39) cis-1,3-Dichloropropene	7.23	75	1295	0.091	ug/L #	56
47) Tetrachloroethene	8.23	164	4121	0.618	ug/L	97
48) 2-Hexanone	8.31	43	16254	2.850	ug/L #	44
49) Dibromochloromethane	8.23	129	4140	0.605	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7323	1.132	ug/L	97

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



#10

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

Concen: 0.050 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028286.D

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Instrument :

MSVOA_U

ClientSampleId :

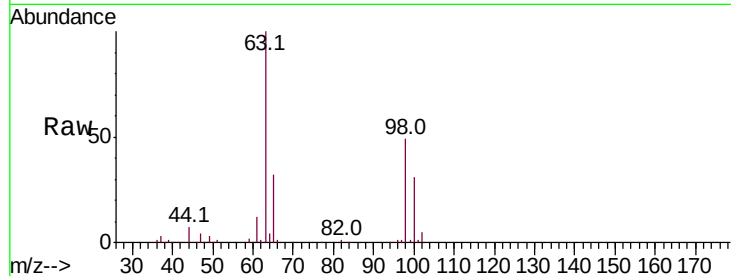
Tot Ion:101 Resp: 405

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#

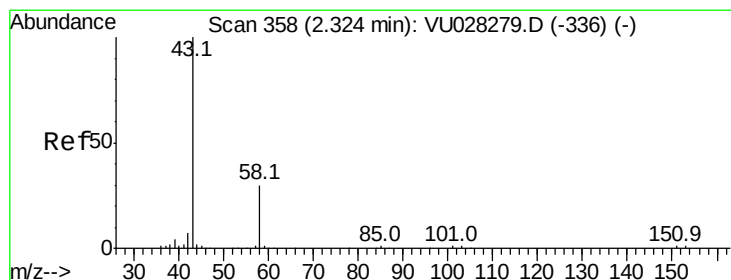
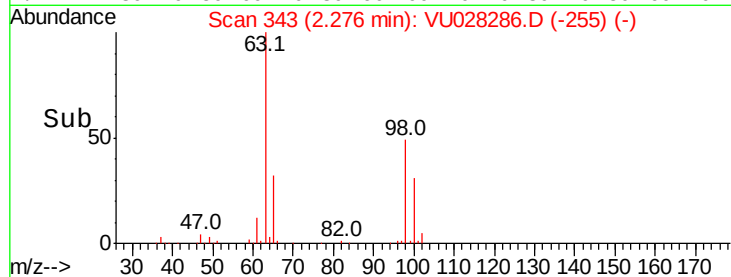
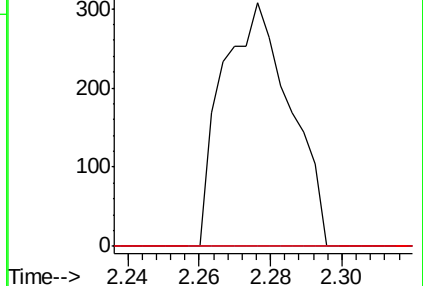


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.28



#13

Acetone

Concen: 0.670 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028286.D

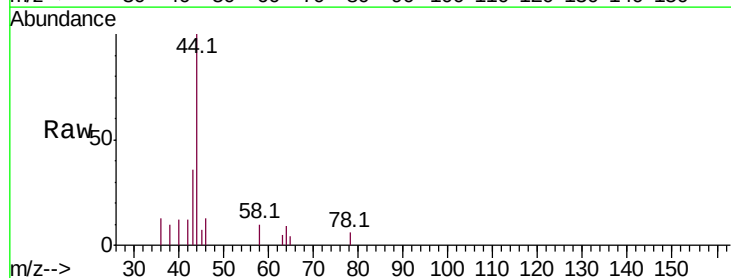
Acq: 20 Nov 2018 18:34

Tgt Ion: 43 Resp: 1455

Ion Ratio Lower Upper

43 100

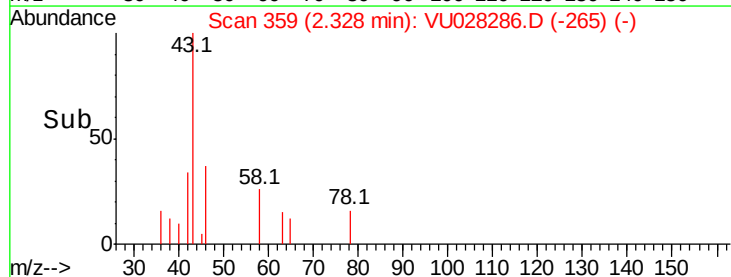
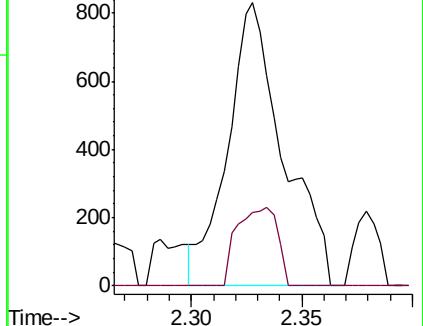
58 20.3 0.0 58.6

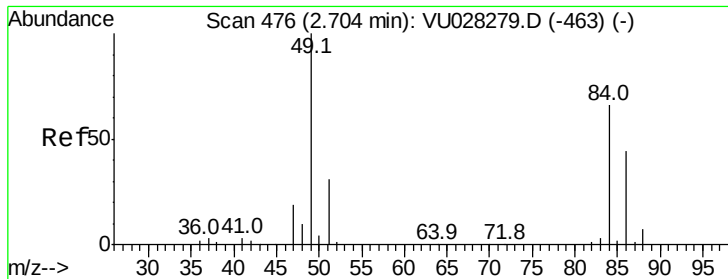


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.33

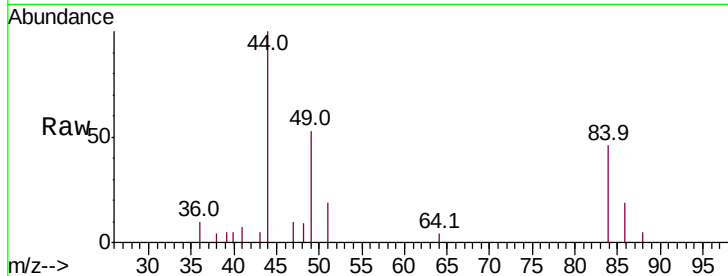




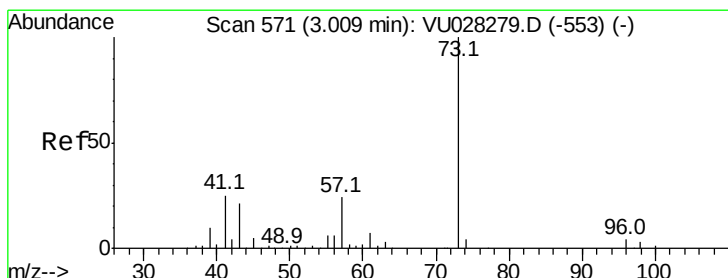
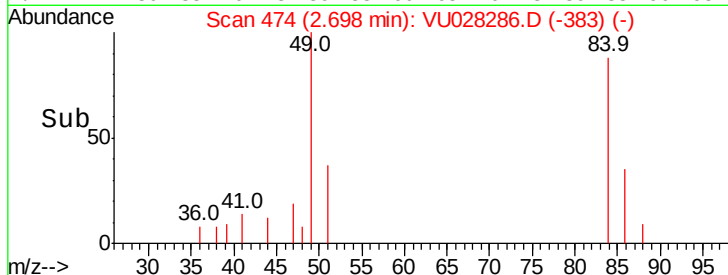
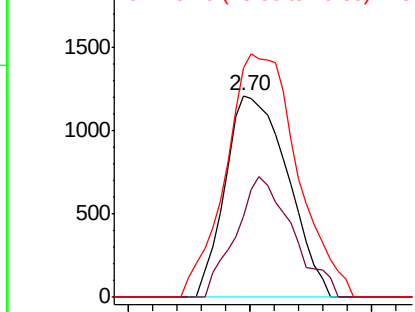
#16
Methylene chloride
Concen: 0.220 ug/L
RT: 2.70 min Scan# 474
Delta R.T. -0.01 min
Lab File: VU028286.D
Acq: 20 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 2146
Ion Ratio Lower Upper
84 100
86 40.4 45.3 84.1#
49 114.0 107.9 200.5

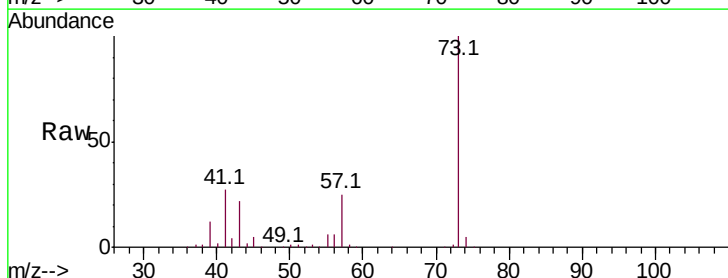


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

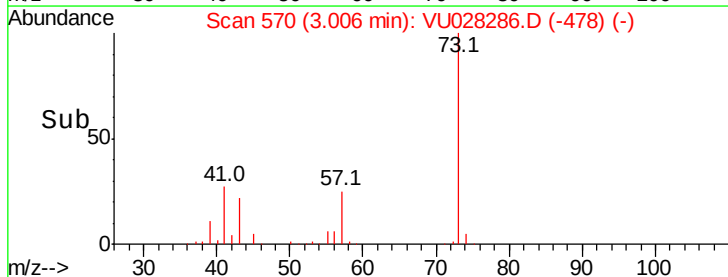
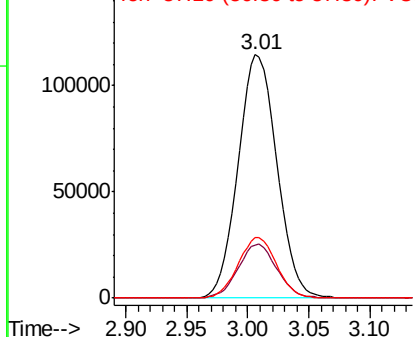


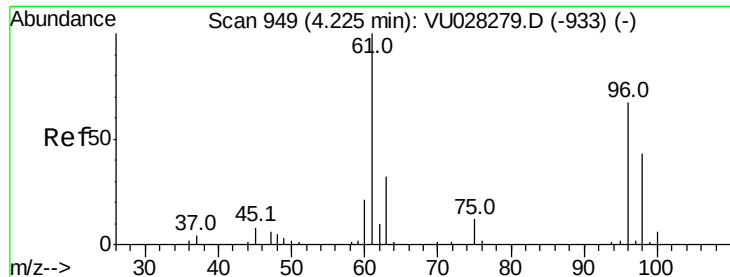
#17
Methyl tert-butyl Ether
Concen: 10.876 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU028286.D
Acq: 20 Nov 2018 18:34

Tgt Ion: 73 Resp: 252375
Ion Ratio Lower Upper
73 100
43 22.2 18.8 28.2
57 24.7 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.347 ug/L

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampleId :

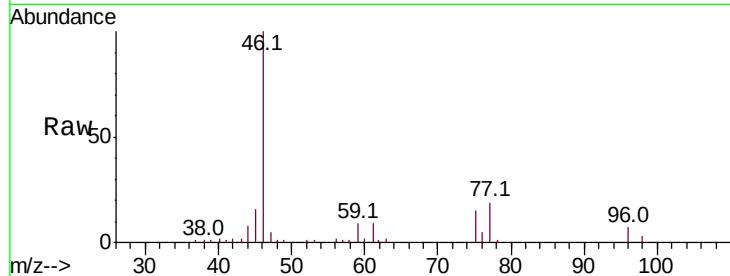
Tot Ion: 96 Resp: 3375

Ion Ratio Lower Upper

96 100

61 128.7 108.0 200.6

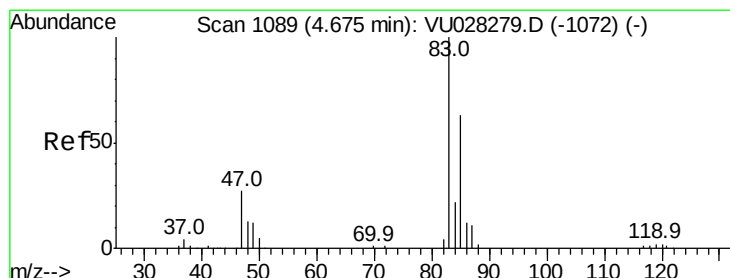
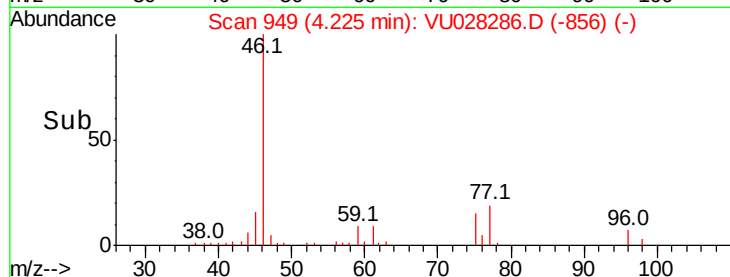
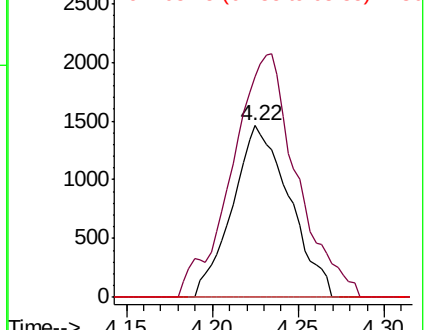
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.185 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028286.D

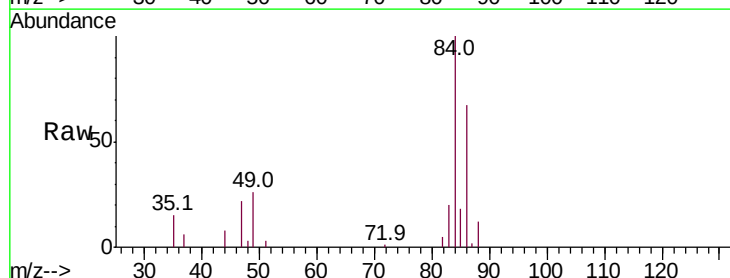
Acq: 20 Nov 2018 18:34

Tgt Ion: 83 Resp: 3813

Ion Ratio Lower Upper

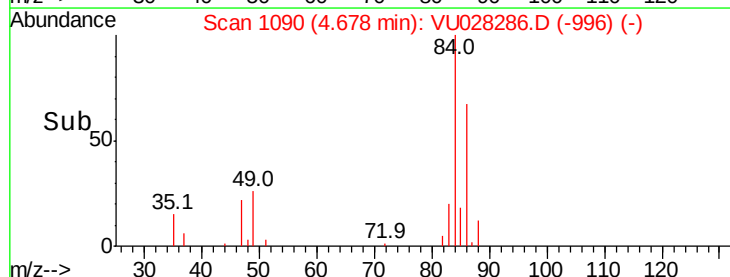
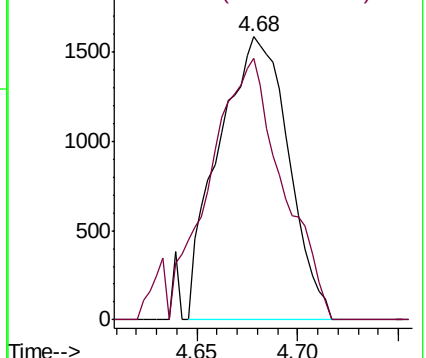
83 100

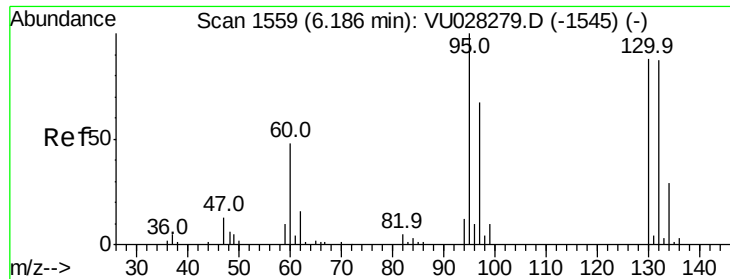
85 92.4 44.6 82.8#



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.238 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 2286

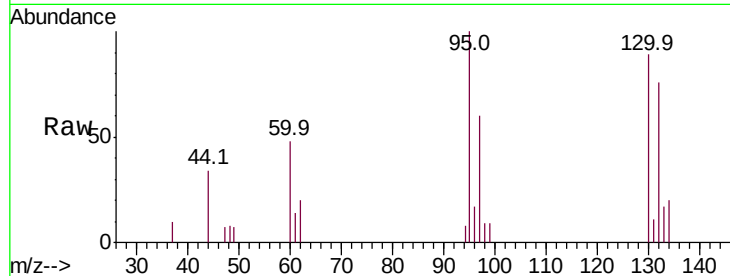
Ion Ratio Lower Upper

95 100

97 59.8 46.5 86.3

132 76.0 58.9 109.3

130 88.6 61.3 113.9

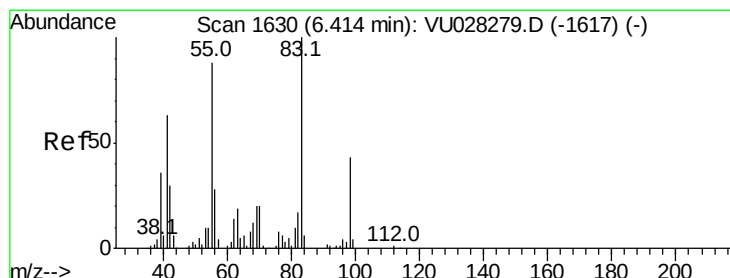
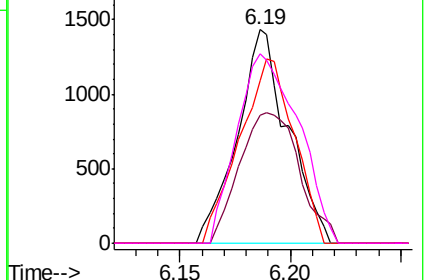
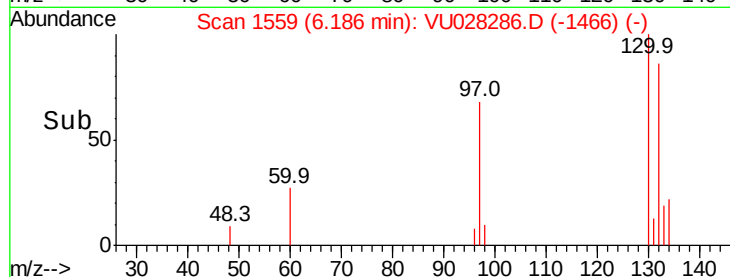


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.865 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

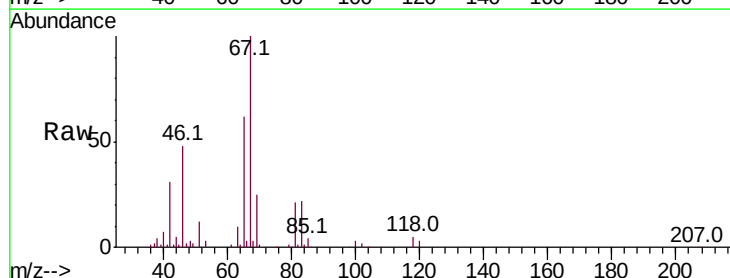
Tgt Ion: 83 Resp: 13089

Ion Ratio Lower Upper

83 100

55 0.0 73.2 109.8#

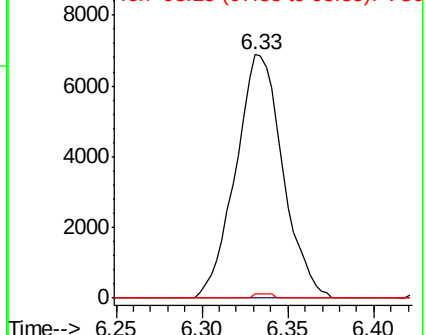
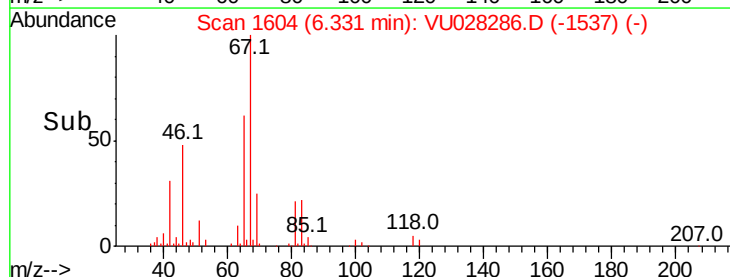
98 0.7 33.4 50.2#

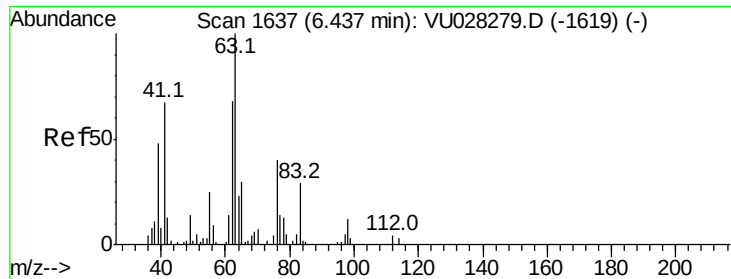


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

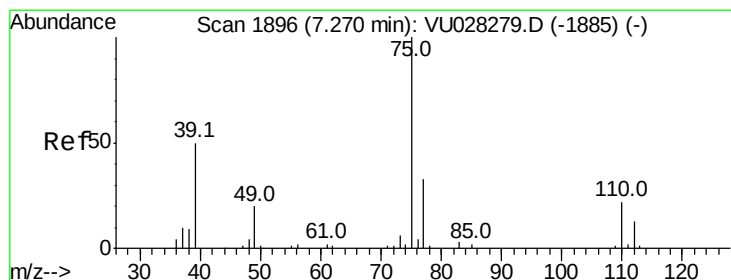
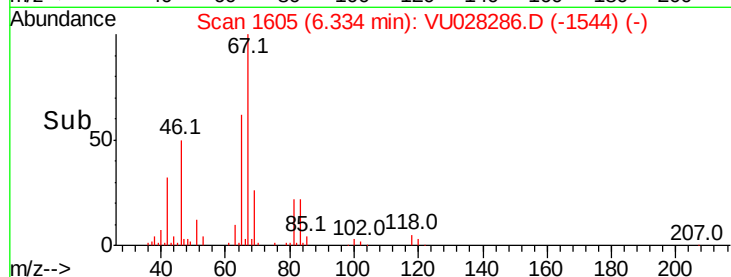
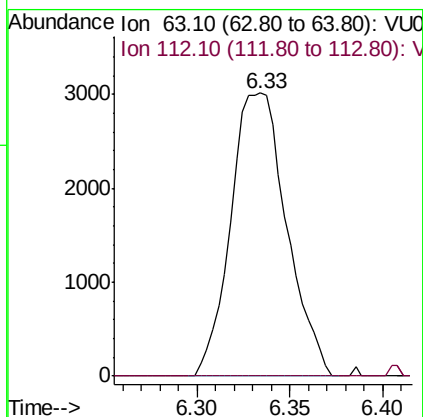
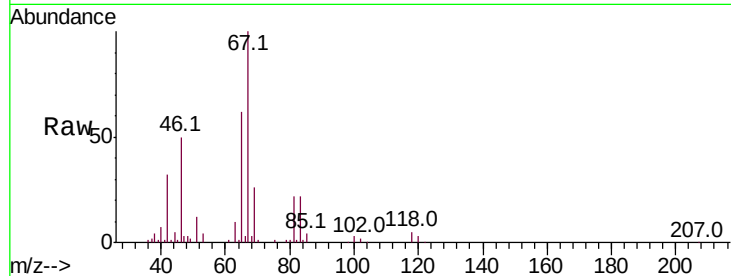




#37
 1,2-Dichloropropane
 Concen: 0.564 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028286.D
 Acq: 20 Nov 2018 18:34

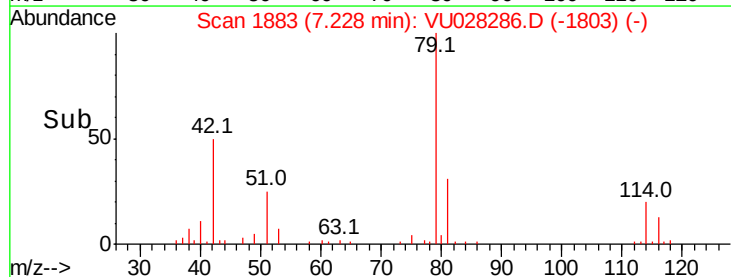
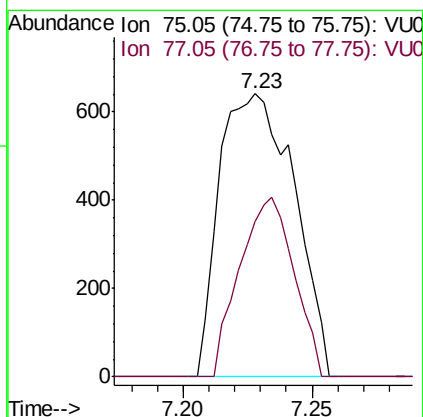
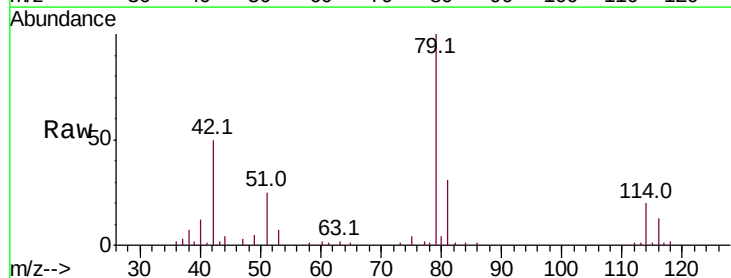
Instrument :
 MSVOA_U
 ClientSampleId :

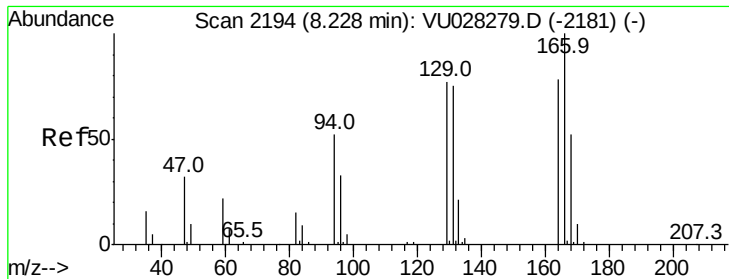
Tot Ion: 63 Resp: 6309
 Ion Ratio Lower Upper
 63 100
 112 0.7 2.2 3.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028286.D
 Acq: 20 Nov 2018 18:34

Tgt Ion: 75 Resp: 1295
 Ion Ratio Lower Upper
 75 100
 77 54.9 21.7 40.3#

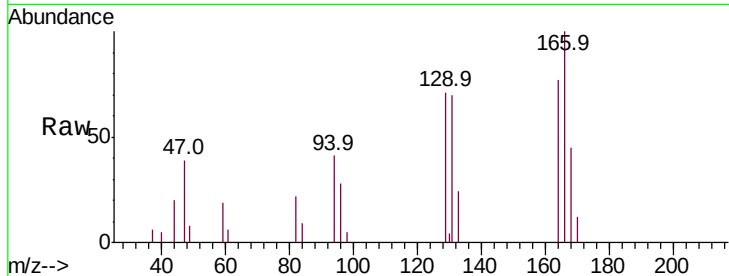




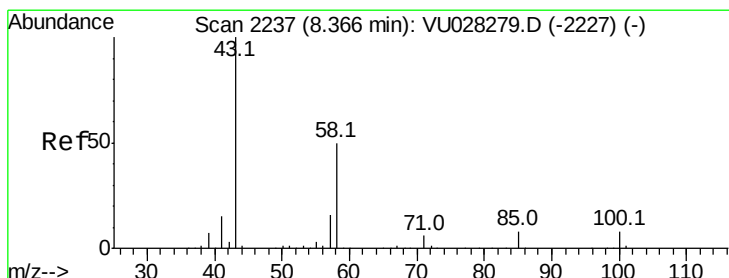
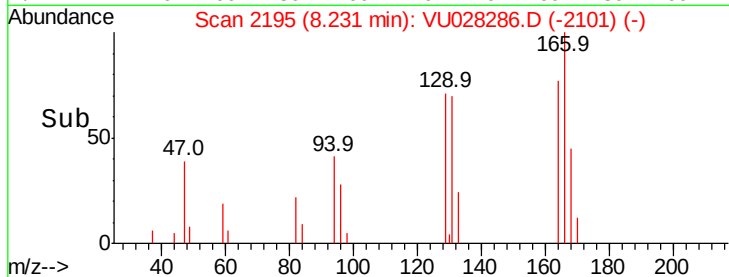
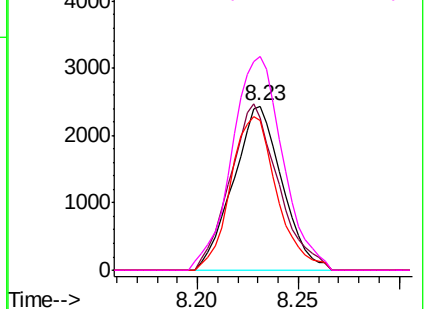
#47
Tetrachloroethene
Concen: 0.618 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028286.D
Acq: 20 Nov 2018 18:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 4121
Ion Ratio Lower Upper
164 100
129 92.6 67.6 125.6
131 91.4 66.3 123.1
166 130.3 89.2 165.6

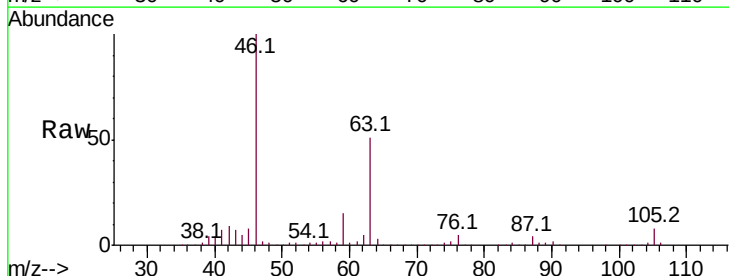


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

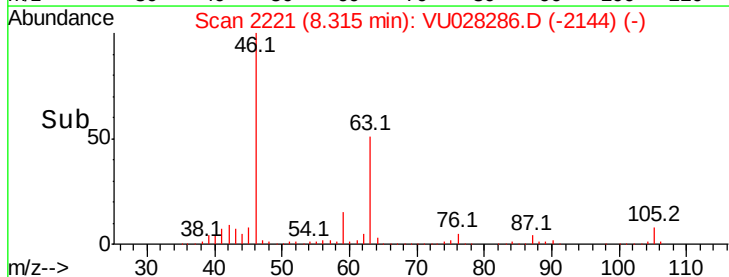
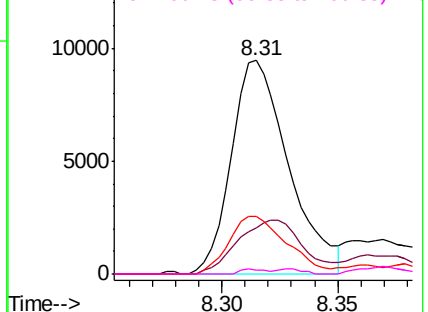


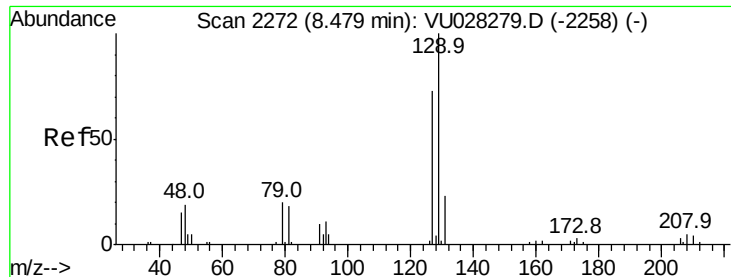
#48
2-Hexanone
Concen: 2.850 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU028286.D
Acq: 20 Nov 2018 18:34

Tgt Ion: 43 Resp: 16254
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
57 27.1 13.8 20.8#
100 1.0 6.5 9.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.605 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028286.D

Acq: 20 Nov 2018 18:34

Instrument :

MSVOA_U

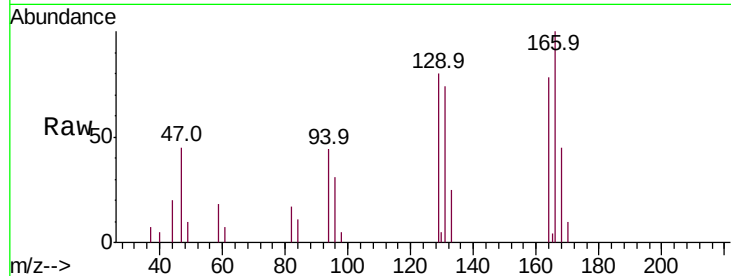
ClientSampled :

Tot Ion:129 Resp: 4140

Ion Ratio Lower Upper

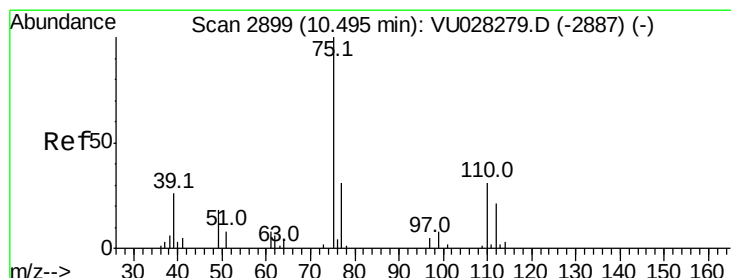
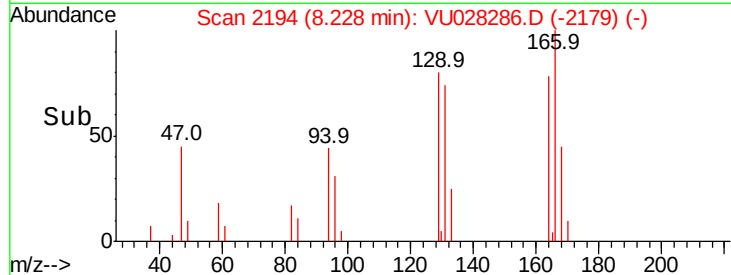
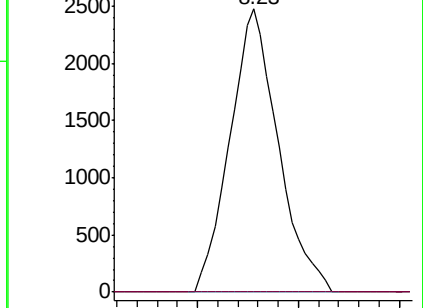
129 100

127 0.0 54.7 101.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.132 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028286.D

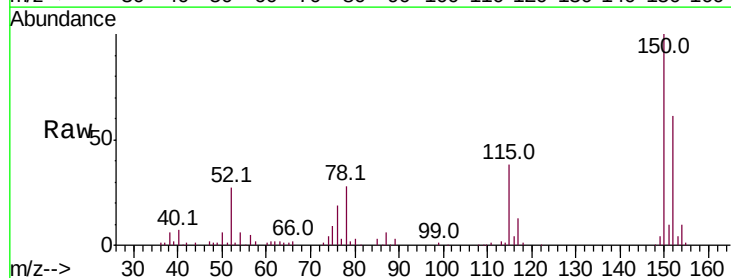
Acq: 20 Nov 2018 18:34

Tgt Ion: 75 Resp: 7323

Ion Ratio Lower Upper

75 100

77 30.5 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

