

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
 Data File : VU028192.D
 Acq On : 16 Nov 2018 18:35
 Operator : MD/SY
 Sample : J5946-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 00:03:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 16 23:59:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	171068	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164011	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48408	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.68	69	41942	3.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	2.28	63	72045	2.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.40%#
20) 2-Butanone-d5	4.19	46	209702	50.93	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.86%
24) Chloroform-d	4.65	84	96789	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.31	65	57256	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.34	84	191114	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
36) 1,2-Dichloropropane-d6	6.33	67	71359	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.80%
41) Toluene-d8	7.57	98	154416	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.40%
43) trans-1,3-Dichloropropene-	7.85	79	19187	3.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.00%
46) 2-Hexanone-d5	8.31	63	149649	43.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54027	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	58403	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

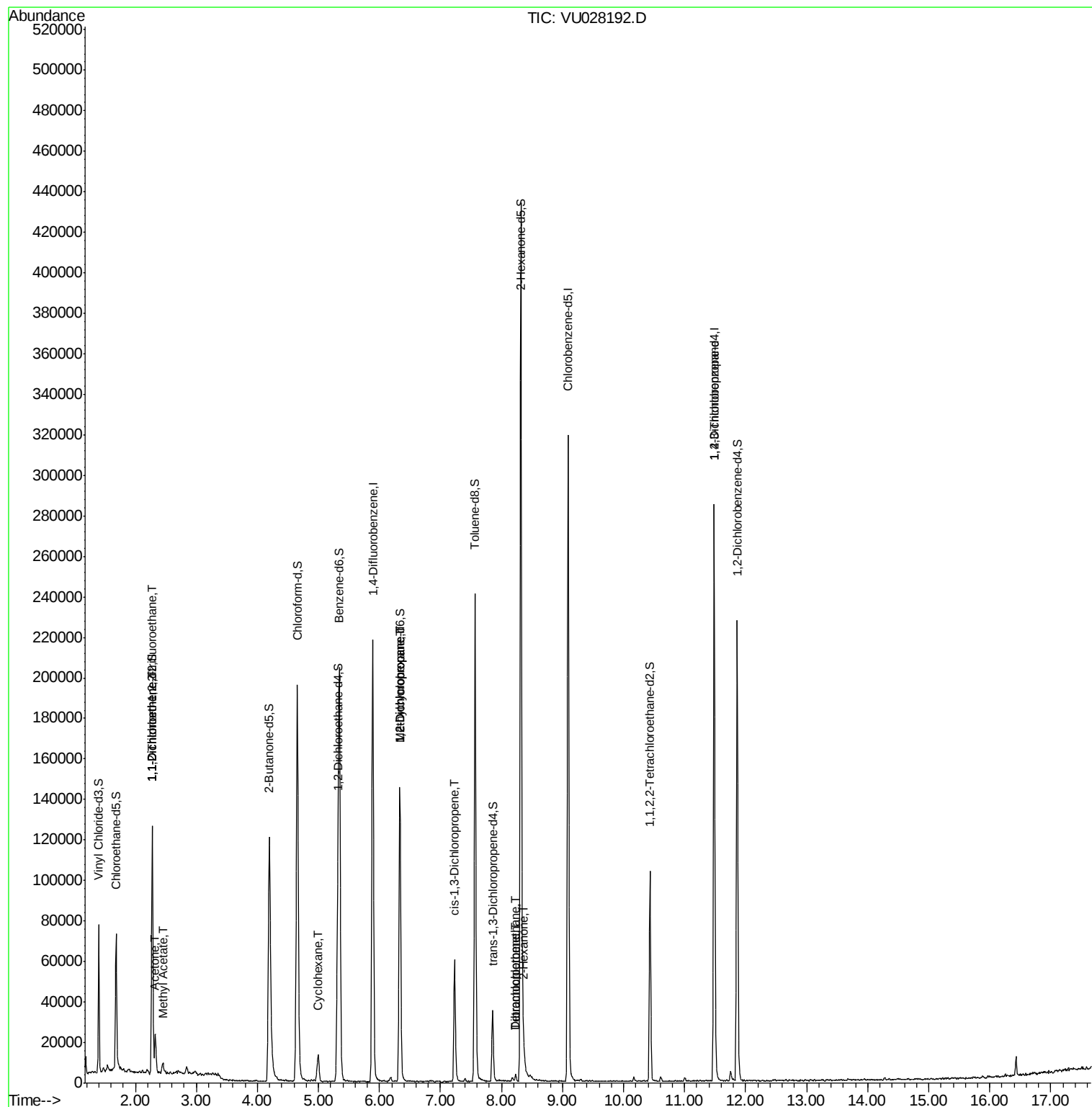
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	509	0.045	ug/L #	29
12) 1,1-Dichloroethene	2.27	96	583	0.051	ug/L #	1
13) Acetone	2.32	43	20048	7.230	ug/L	93
15) Methyl Acetate	2.45	43	1235	0.167	ug/L #	58
30) Cyclohexane	5.00	56	7244	0.278	ug/L #	96
35) Methylcyclohexane	6.33	83	14444	0.615	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	7642	0.500	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1424	0.069	ug/L #	45
47) Tetrachloroethene	8.23	164	855	0.077	ug/L	89
48) 2-Hexanone	8.37	43	2398	0.320	ug/L #	88
49) Dibromochloromethane	8.23	129	720	0.073	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10994	1.281	ug/L	94

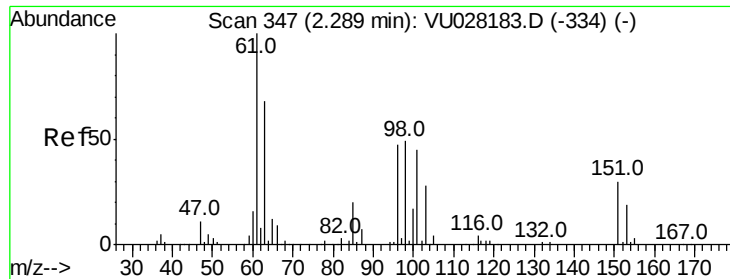
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 23:59:22 2018
Response via : Initial Calibration





#10

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

Concen: 0.045 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028192.D

Acq: 16 Nov 2018 18:35

Instrument :

MSVOA_U

ClientSampled :

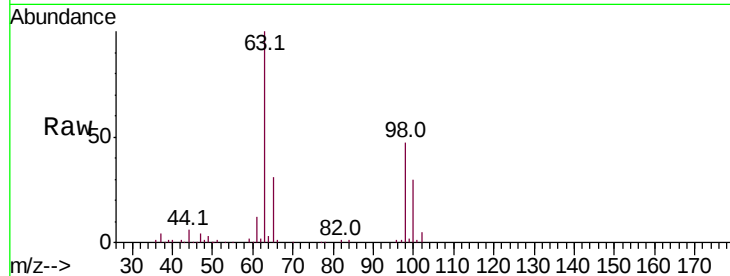
Tot Ion:101 Resp: 509

Ion Ratio Lower Upper

101 100

85 3.9 37.6 56.4#

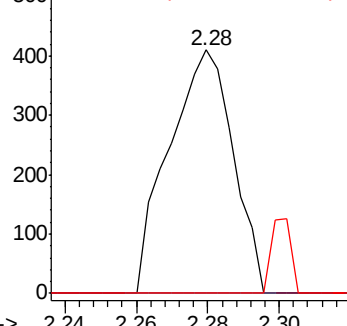
151 9.4 58.2 87.2#



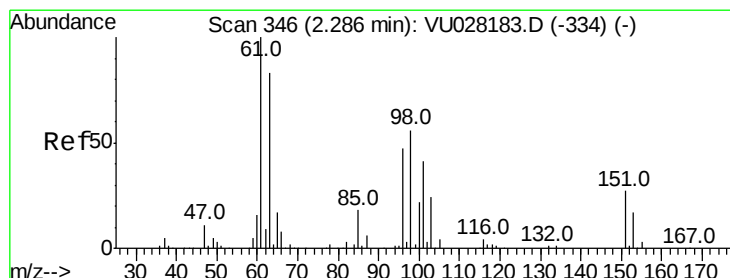
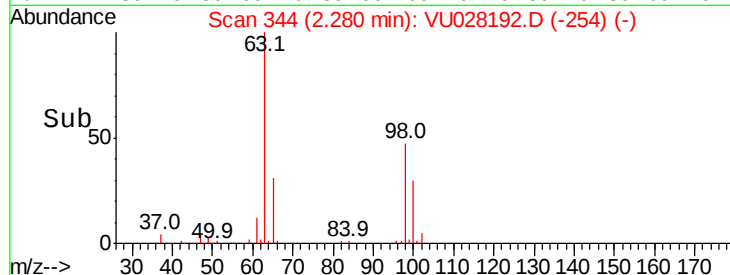
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time--> 2.24 2.26 2.28 2.30



#12

1,1-Dichloroethene

Concen: 0.051 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028192.D

Acq: 16 Nov 2018 18:35

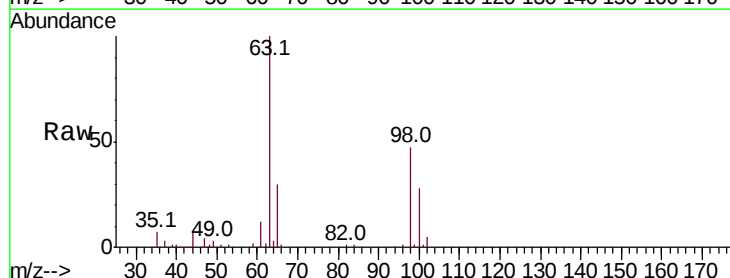
Tgt Ion: 96 Resp: 583

Ion Ratio Lower Upper

96 100

61 1262.4 134.8 250.3#

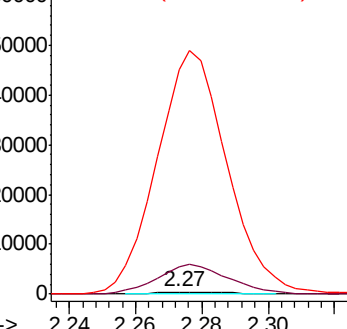
63 10196.8 100.1 185.9#



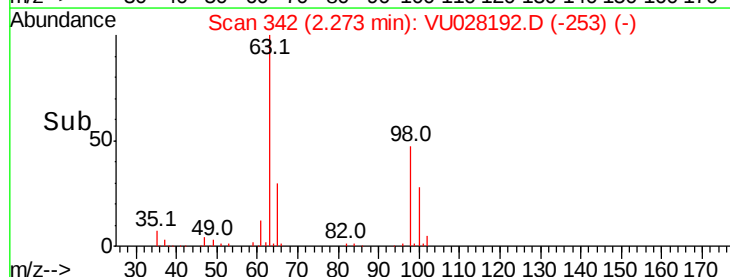
Abundance Ion 96.00 (95.70 to 96.70): VU0

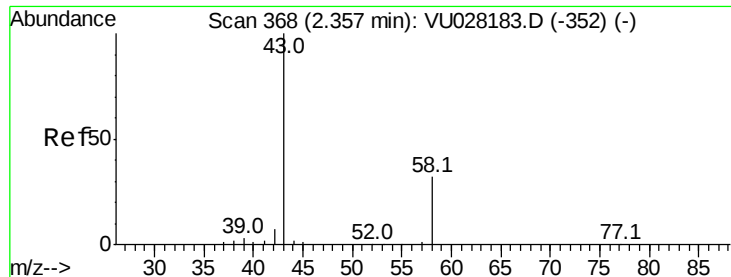
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time--> 2.24 2.26 2.28 2.30





#13

Acetone

Concen: 7.230 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.03 min

Lab File: VU028192.D

Acq: 16 Nov 2018 18:35

Instrument :

MSVOA_U

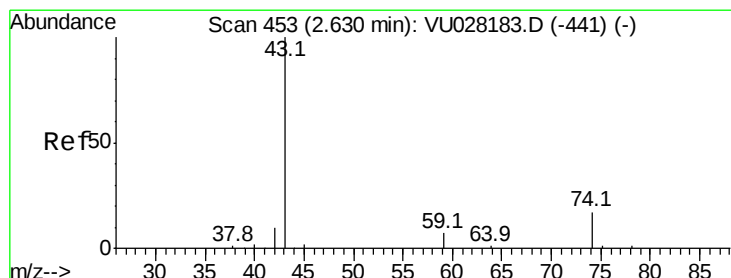
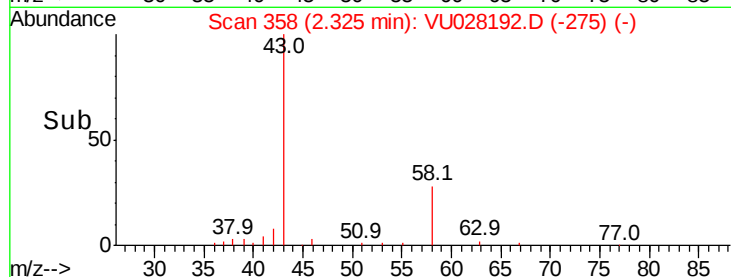
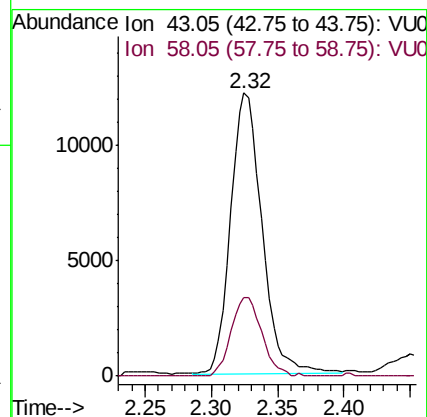
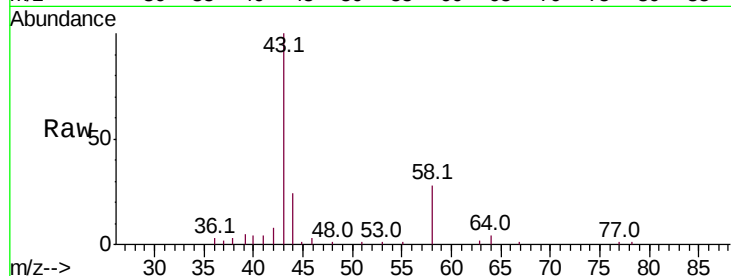
ClientSampleId :

Tot Ion: 43 Resp: 20048

Ion Ratio Lower Upper

43 100

58 27.2 0.0 61.6



#15

Methyl Acetate

Concen: 0.167 ug/L

RT: 2.45 min Scan# 397

Delta R.T. -0.18 min

Lab File: VU028192.D

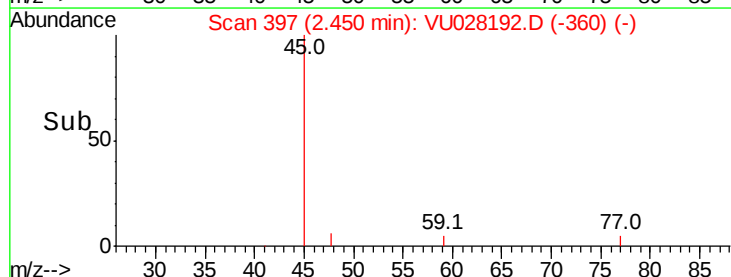
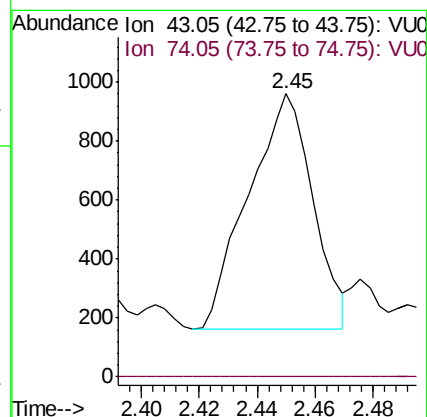
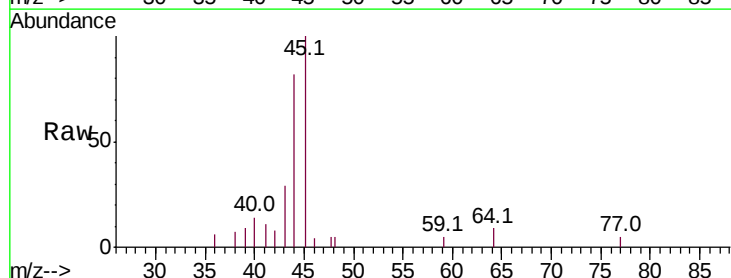
Acq: 16 Nov 2018 18:35

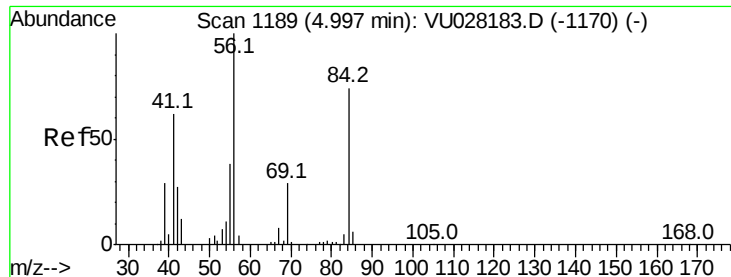
Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

43 100

74 0.0 14.9 22.3#

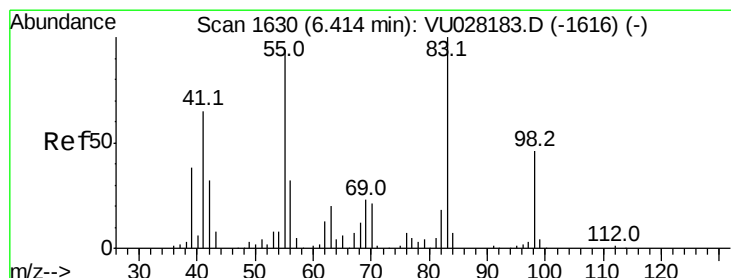
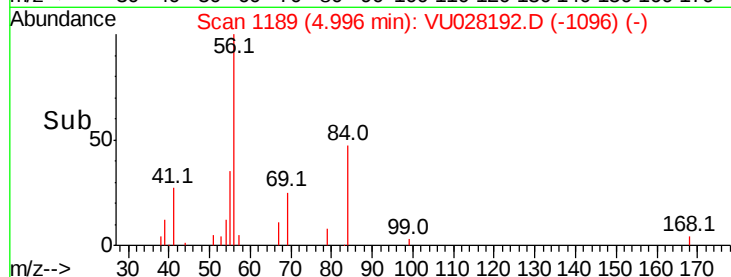
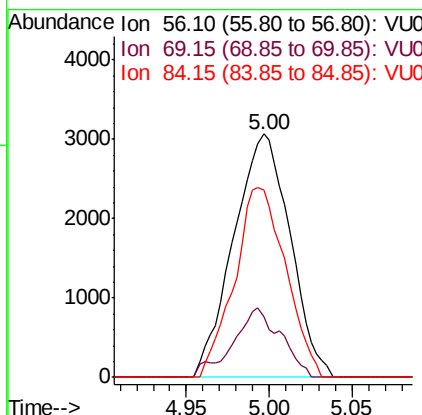
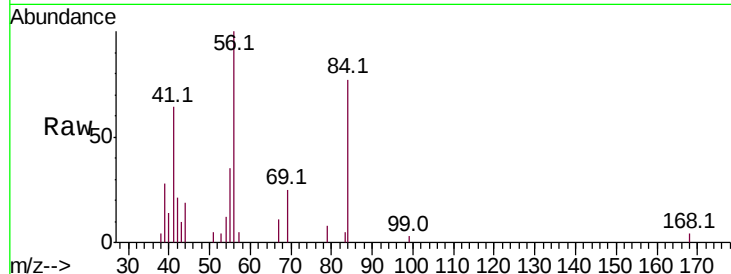




#30
Cyclohexane
Concen: 0.278 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU028192.D
Acq: 16 Nov 2018 18:35

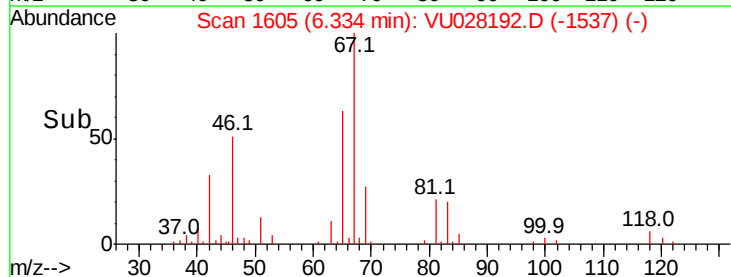
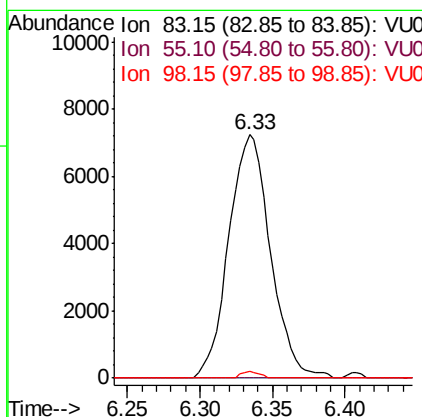
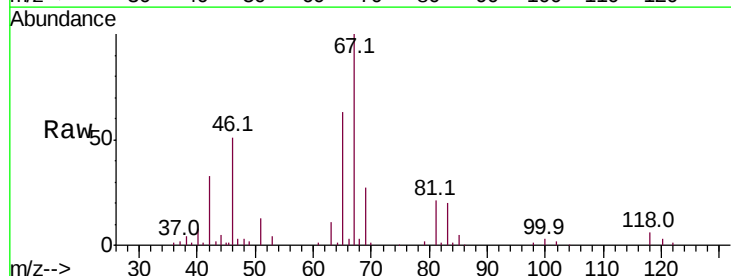
Instrument :
MSVOA_U
ClientSampled :

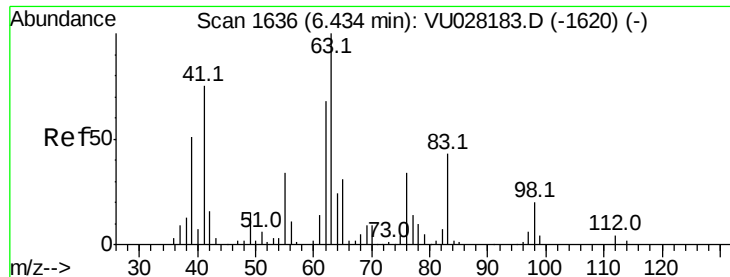
Tot Ion: 56 Resp: 7244
Ion Ratio Lower Upper
56 100
69 22.2 22.6 33.8#
84 70.9 57.7 86.5



#35
Methylcyclohexane
Concen: 0.615 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028192.D
Acq: 16 Nov 2018 18:35

Tgt Ion: 83 Resp: 14444
Ion Ratio Lower Upper
83 100
55 0.0 69.0 103.4#
98 1.2 33.3 49.9#

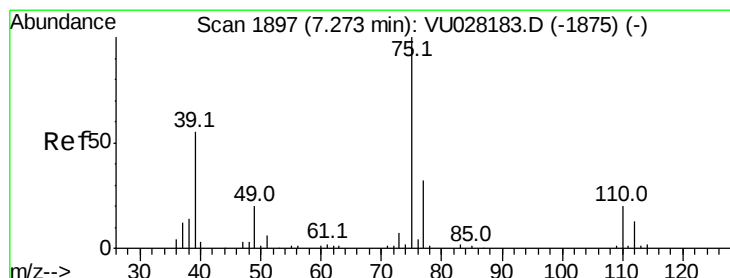
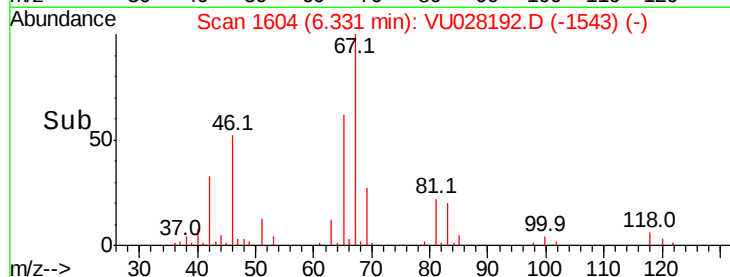
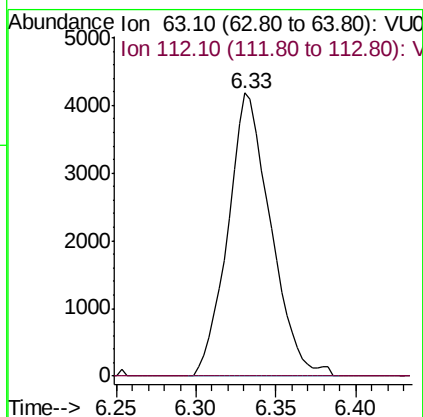
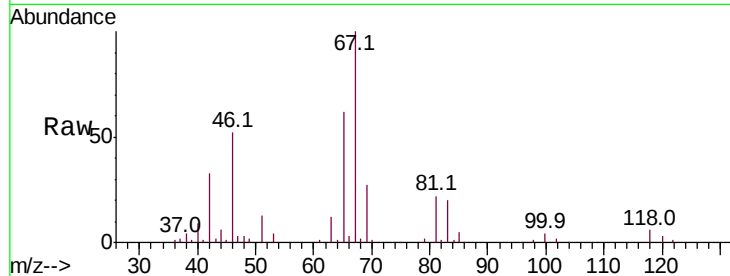




#37
 1,2-Dichloropropane
 Concen: 0.500 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028192.D
 Acq: 16 Nov 2018 18:35

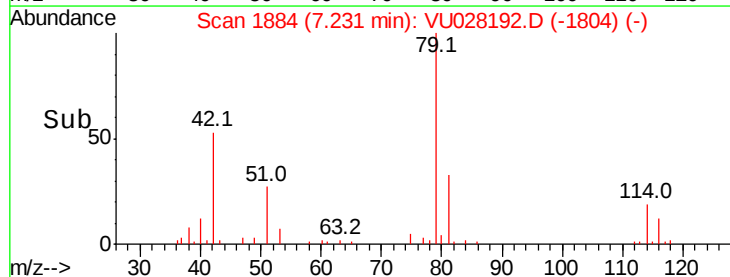
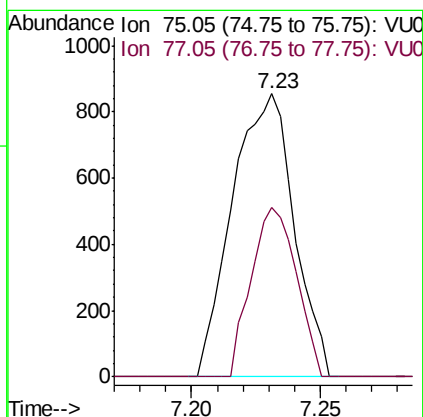
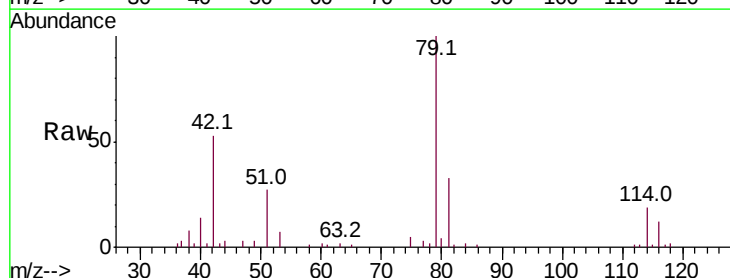
Instrument :
 MSVOA_U
 ClientSampleId :

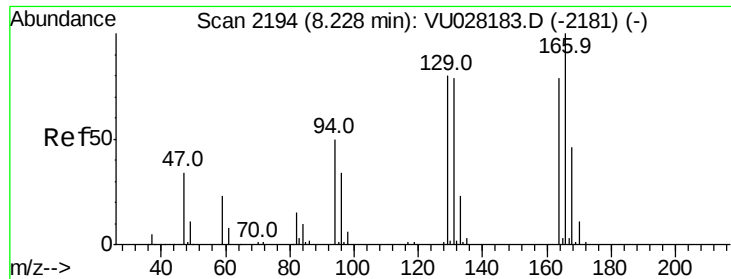
Tot Ion: 63 Resp: 7642
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.069 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028192.D
 Acq: 16 Nov 2018 18:35

Tgt Ion: 75 Resp: 1424
 Ion Ratio Lower Upper
 75 100
 77 59.8 20.9 38.9#

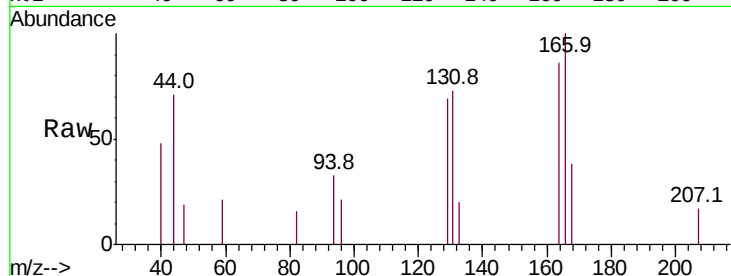




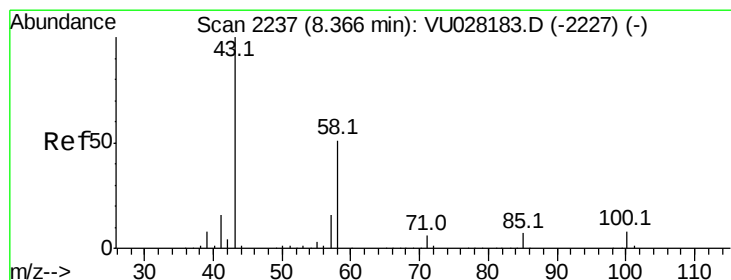
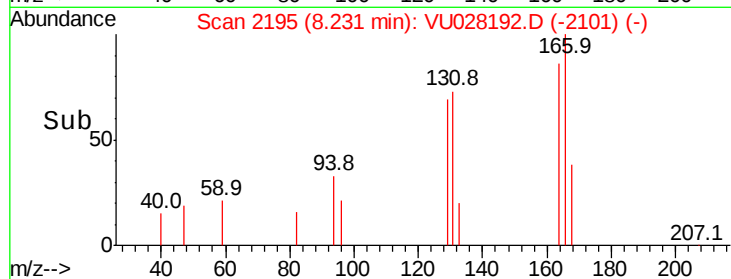
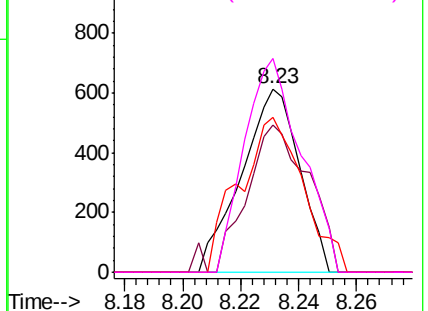
#47
Tetrachloroethene
Concen: 0.077 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028192.D
Acq: 16 Nov 2018 18:35

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 855
Ion Ratio Lower Upper
164 100
129 80.5 69.7 129.4
131 84.4 64.0 118.8
166 116.3 86.4 160.4

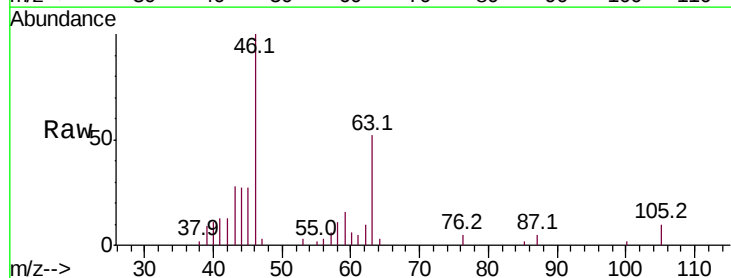


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

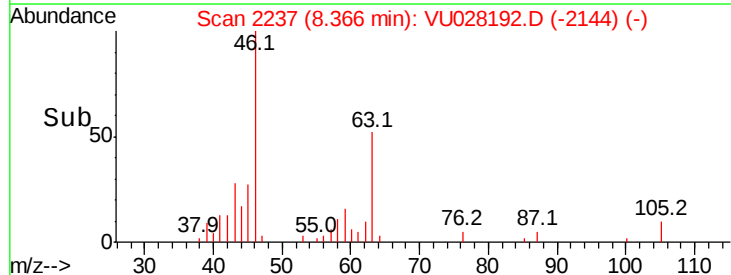
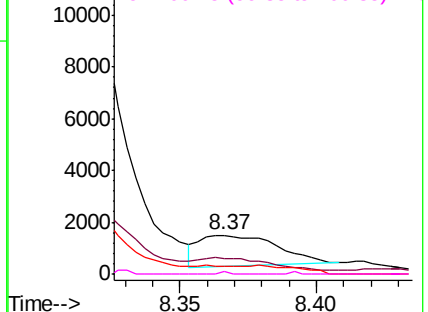


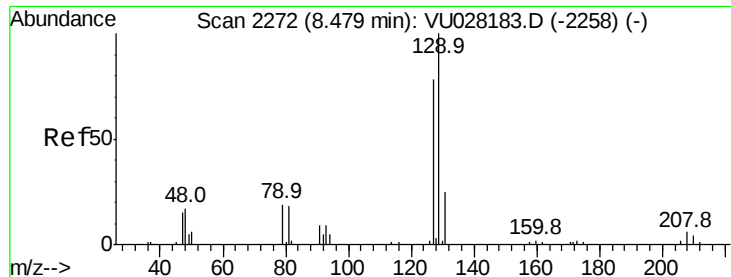
#48
2-Hexanone
Concen: 0.320 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU028192.D
Acq: 16 Nov 2018 18:35

Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
58 53.1 41.7 62.5
57 0.0 14.0 21.0#
100 0.8 7.2 10.8#



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: 0.073 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028192.D

Acq: 16 Nov 2018 18:35

Instrument :

MSVOA_U

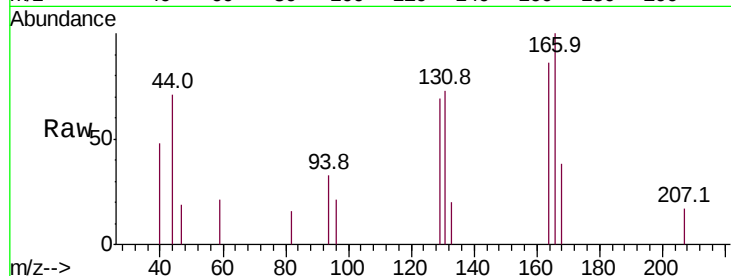
ClientSampled :

Tot Ion:129 Resp: 720

Ion Ratio Lower Upper

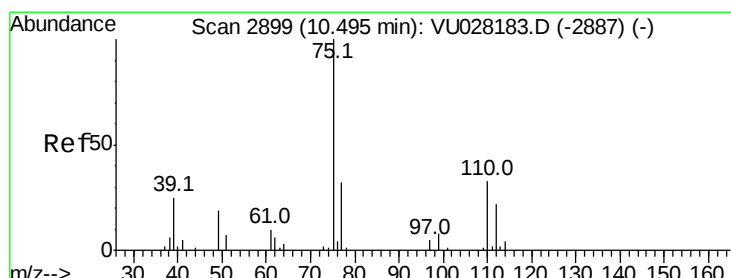
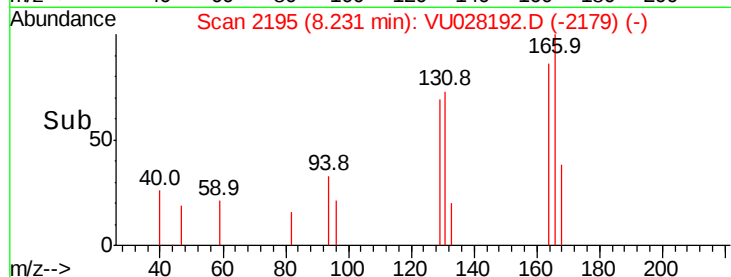
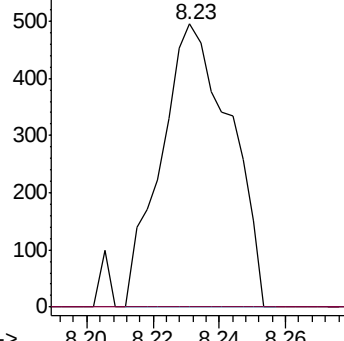
129 100

127 0.0 54.1 100.5#



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: 1.281 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028192.D

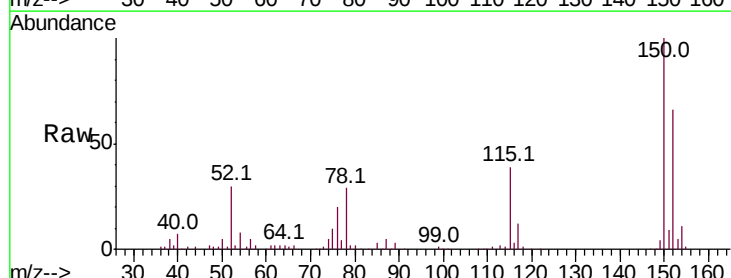
Acq: 16 Nov 2018 18:35

Tgt Ion: 75 Resp: 10994

Ion Ratio Lower Upper

75 100

77 34.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

