

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111618\
 Data File : VU028195.D
 Acq On : 16 Nov 2018 19:47
 Operator : MD/SY
 Sample : J5946-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 00:03:43 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	164354	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	155386	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68270	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45325	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	1.68	69	41918	3.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.40%
11) 1,1-Dichloroethene-d2	2.28	63	68681	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.19	46	209991	53.09	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.18%
24) Chloroform-d	4.65	84	94364	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.31	65	57866	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.34	84	184662	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
36) 1,2-Dichloropropane-d6	6.33	67	73123	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.57	98	154500	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.85	79	19439	3.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.40%
46) 2-Hexanone-d5	8.31	63	149183	45.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53203	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	54790	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%

Target Compounds

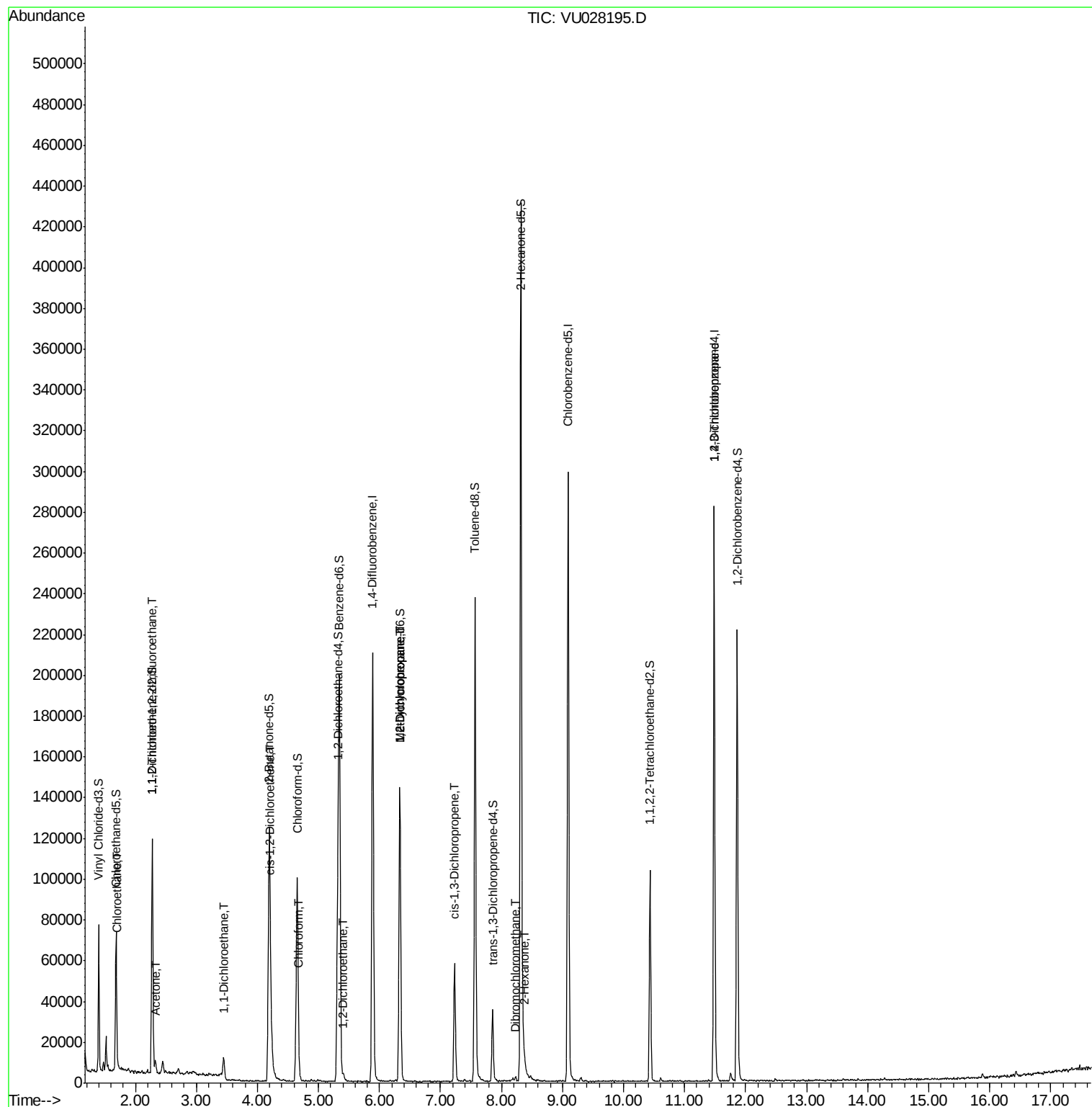
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.70	64	4807	0.454	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	437	0.041	ug/L #	20
13) Acetone	2.32	43	4328	1.625	ug/L	92
19) 1,1-Dichloroethane	3.45	63	11454	0.469	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	1740	0.136	ug/L	71
25) Chloroform	4.68	83	2078	0.095	ug/L	100
27) 1,2-Dichloroethane	5.41	62	2570	0.178	ug/L #	76
35) Methylcyclohexane	6.33	83	14381	0.647	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	7330	0.506	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1681	0.086	ug/L	92
48) 2-Hexanone	8.38	43	2090	0.295	ug/L #	69
49) Dibromochloromethane	8.23	129	462	0.050	ug/L #	11
59) 1,2,3-Trichloropropane	11.49	75	9484	1.166	ug/L	96

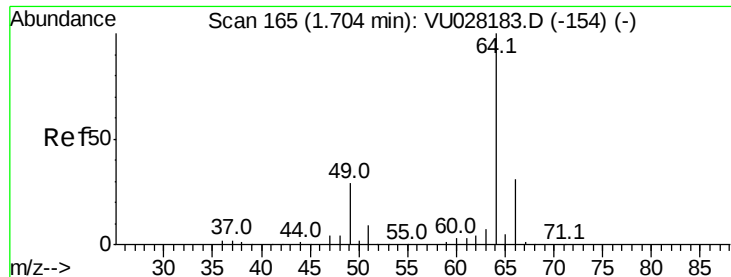
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.454 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028195.D

Acq: 16 Nov 2018 19:47

Instrument :

MSVOA_U

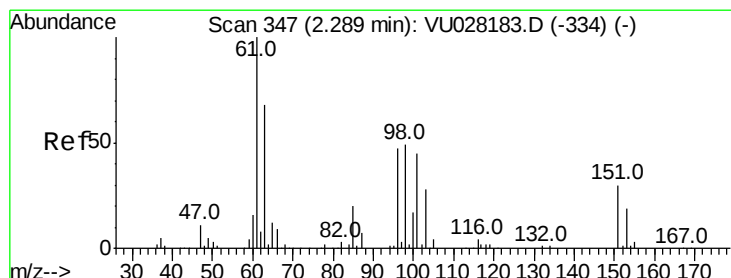
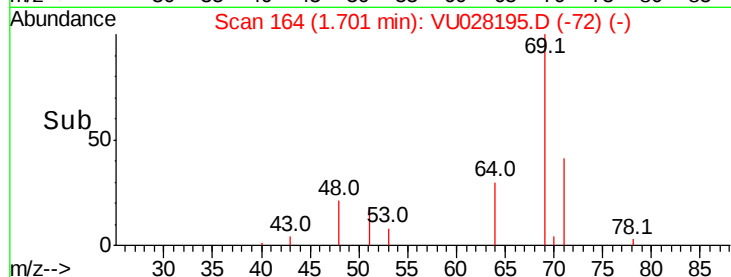
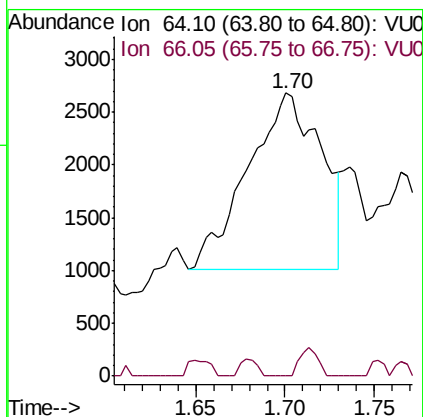
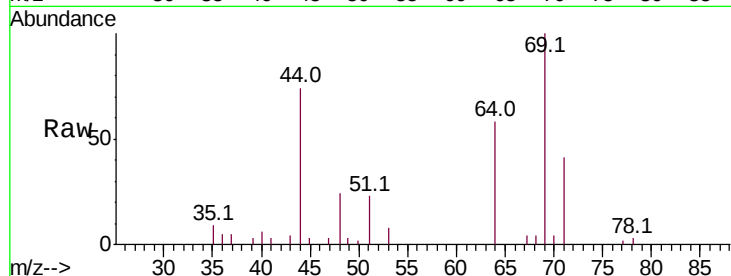
ClientSampleId :

Tot Ion: 64 Resp: 4807

Ion Ratio Lower Upper

64 100

66 0.0 23.1 42.9#



#10

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

Concen: 0.041 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028195.D

Acq: 16 Nov 2018 19:47

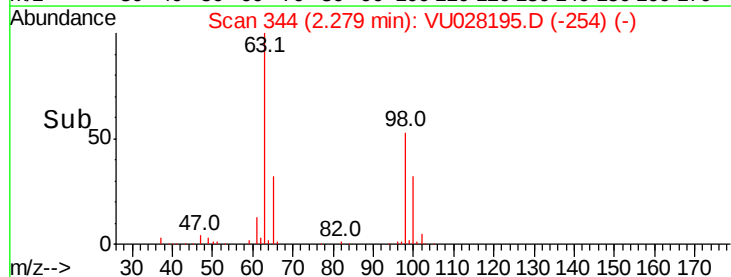
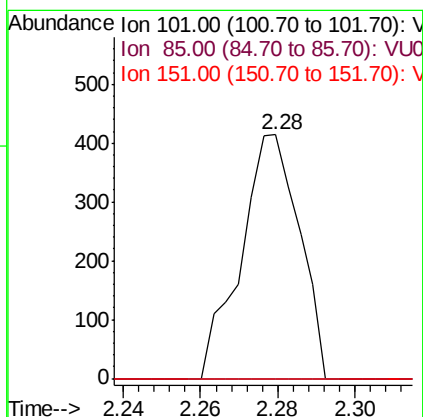
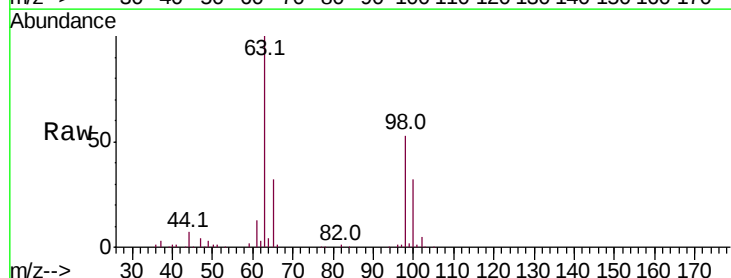
Tgt Ion: 101 Resp: 437

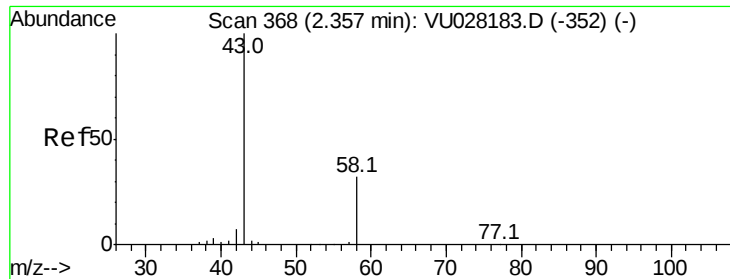
Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

151 0.0 58.2 87.2#





#13

Acetone

Concen: 1.625 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.03 min

Lab File: VU028195.D

Acq: 16 Nov 2018 19:47

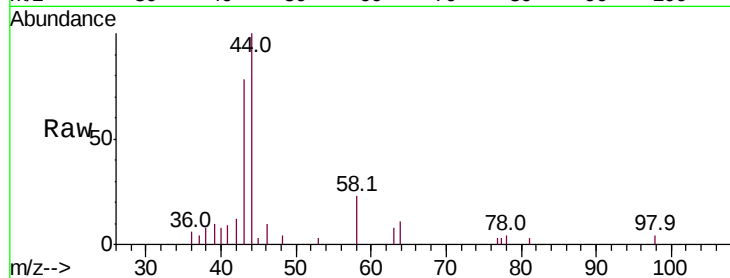
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 4328

Ion Ratio Lower Upper

43 100

58 35.1 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028183.D (-352) (-)

Ion 58.05 (57.75 to 58.75): VU028183.D (-352) (-)

3000

2500

2000

1500

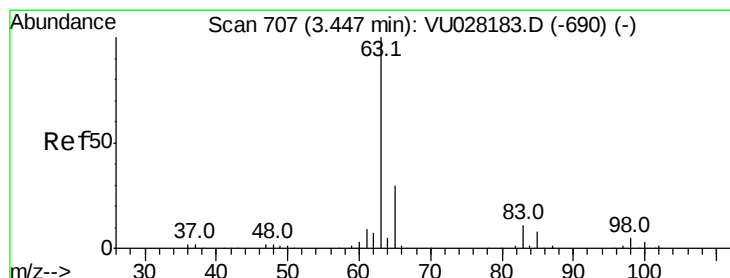
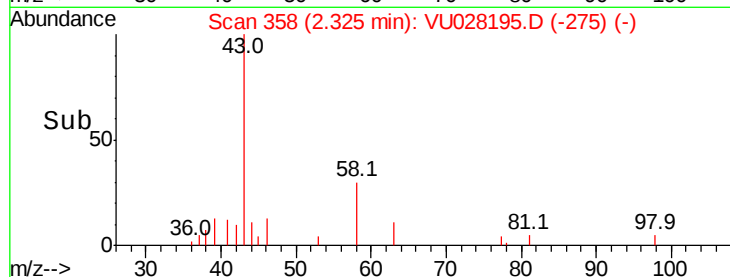
1000

500

0

Time--> 2.25 2.30 2.35

2.32



#19

1,1-Dichloroethane

Concen: 0.469 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028195.D

Acq: 16 Nov 2018 19:47

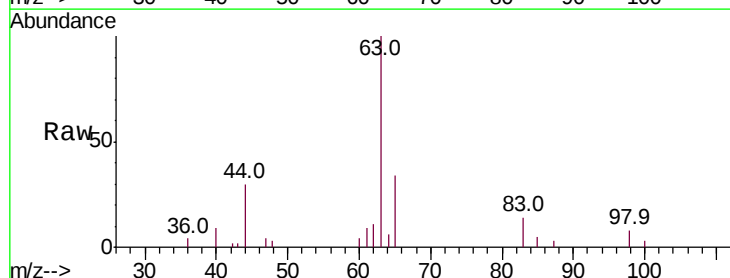
Tgt Ion: 63 Resp: 11454

Ion Ratio Lower Upper

63 100

65 33.6 22.2 41.2

83 13.6 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU028183.D (-690) (-)

Ion 65.10 (64.80 to 65.80): VU028183.D (-690) (-)

Ion 83.05 (82.75 to 83.75): VU028183.D (-690) (-)

6000

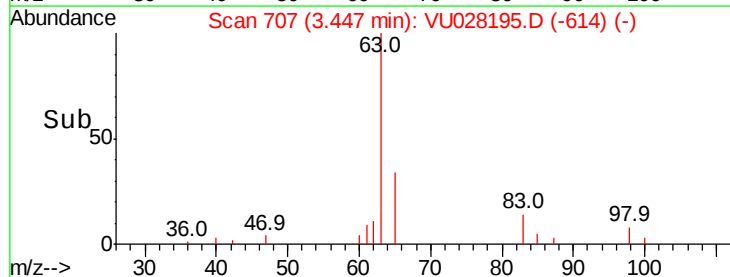
4000

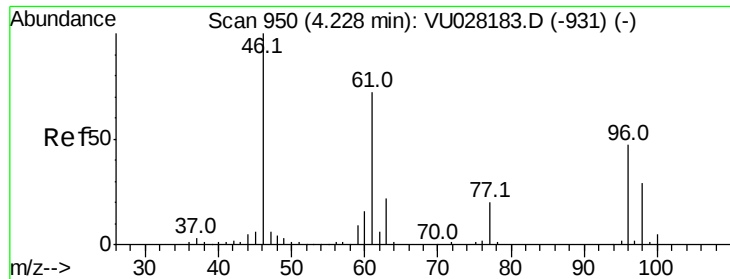
2000

0

Time--> 3.40 3.45 3.50

3.45



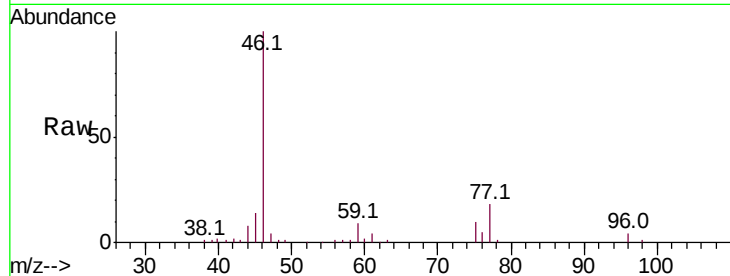


#22

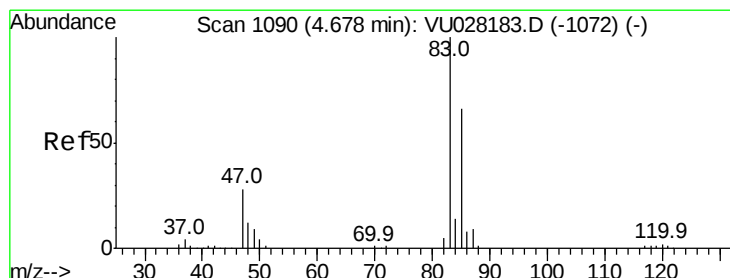
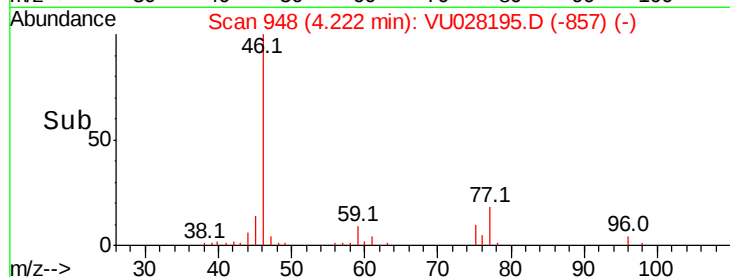
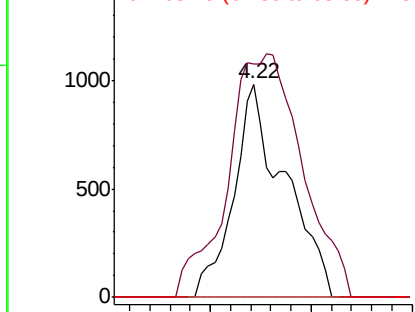
cis-1,2-Dichloroethene
 Concen: 0.136 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VU028195.D
 Acq: 16 Nov 2018 19:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 1740
 Ion Ratio Lower Upper
 96 100
 61 109.1 101.8 189.0
 68 0.0 0.0 0.0



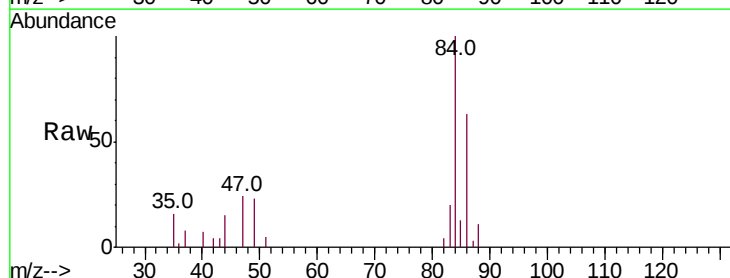
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



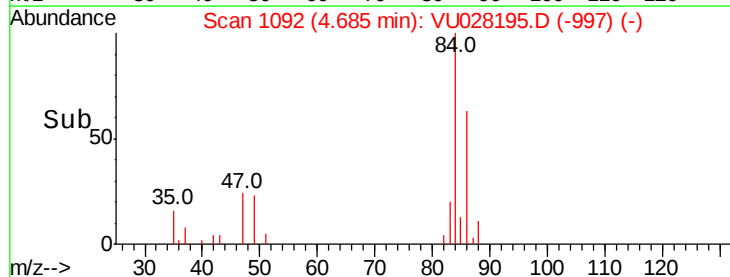
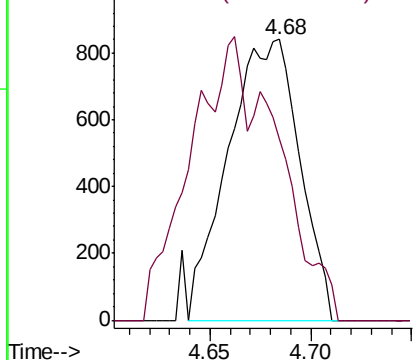
#25

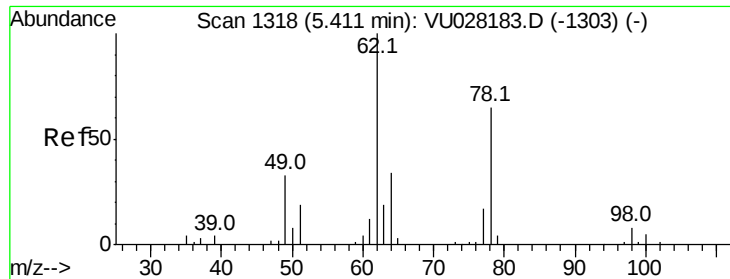
Chloroform
 Concen: 0.095 ug/L
 RT: 4.68 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VU028195.D
 Acq: 16 Nov 2018 19:47

Tgt Ion: 83 Resp: 2078
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

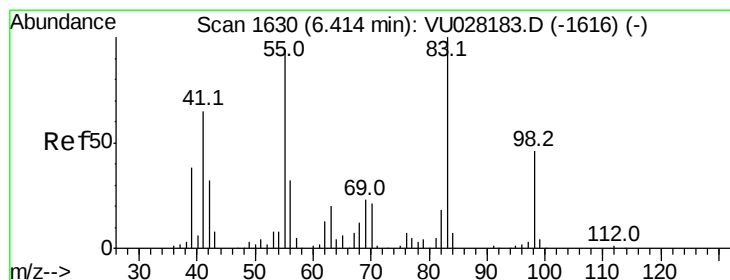
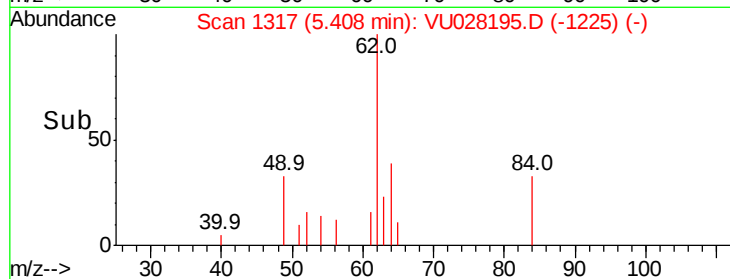
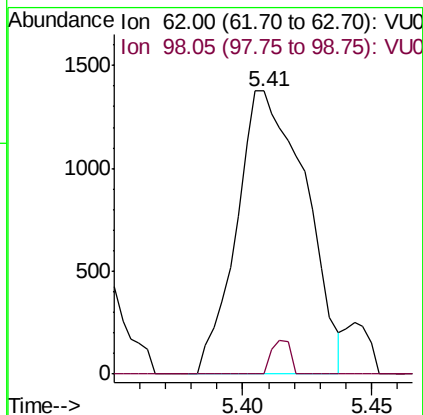
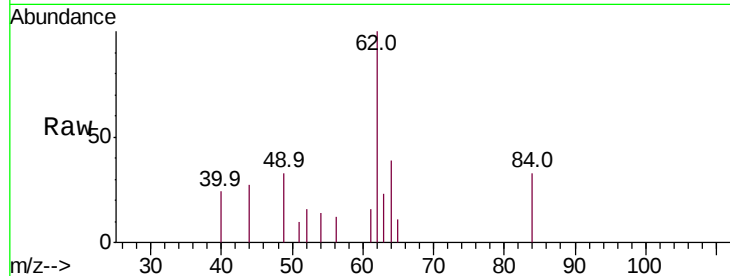




#27
 1,2-Dichloroethane
 Concen: 0.178 ug/L
 RT: 5.41 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VU028195.D
 Acq: 16 Nov 2018 19:47

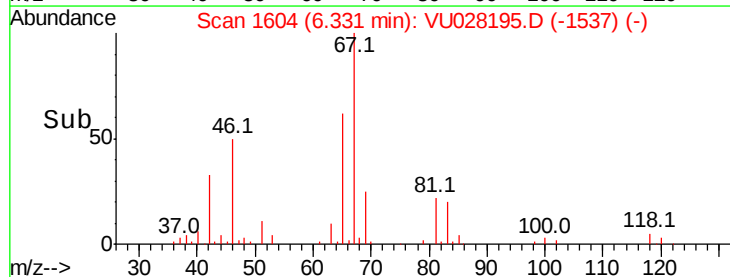
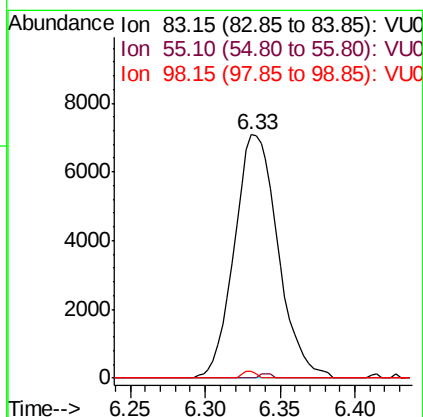
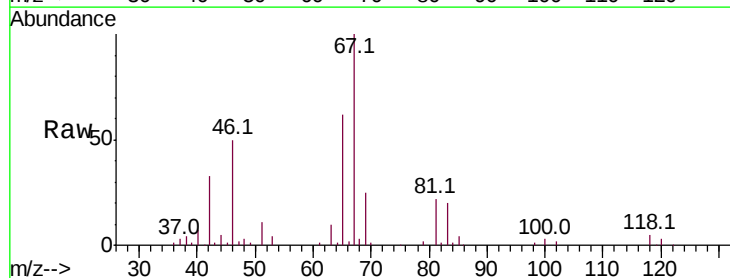
Instrument :
 MSVOA_U
 ClientSampled :

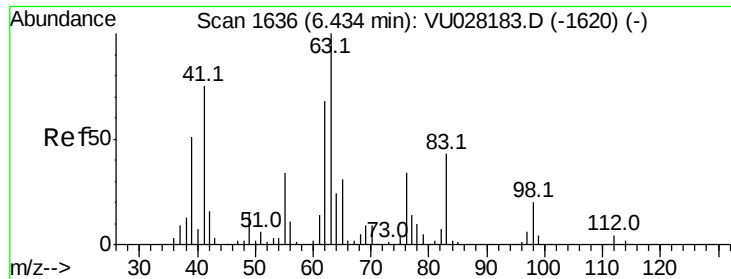
Tot Ion: 62 Resp: 2570
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#



#35
 Methylcyclohexane
 Concen: 0.647 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.08 min
 Lab File: VU028195.D
 Acq: 16 Nov 2018 19:47

Tgt Ion: 83 Resp: 14381
 Ion Ratio Lower Upper
 83 100
 55 0.5 69.0 103.4#
 98 0.8 33.3 49.9#

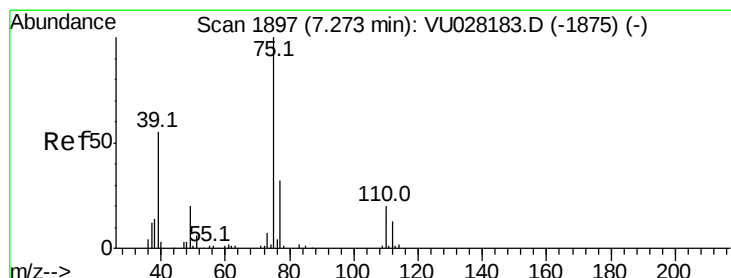
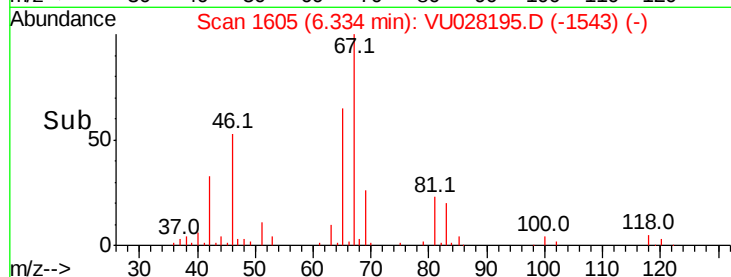
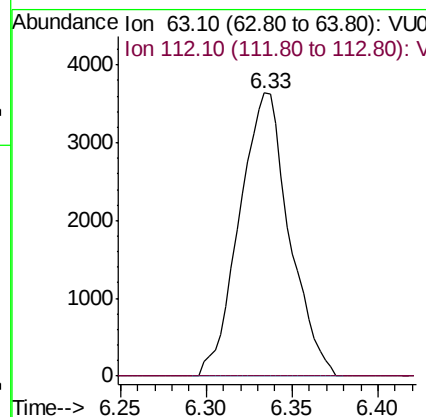
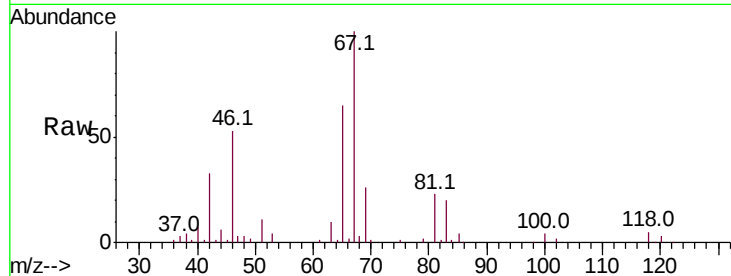




#37
 1,2-Dichloropropane
 Concen: 0.506 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028195.D
 Acq: 16 Nov 2018 19:47

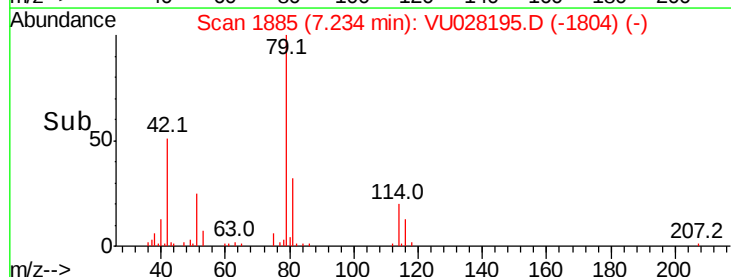
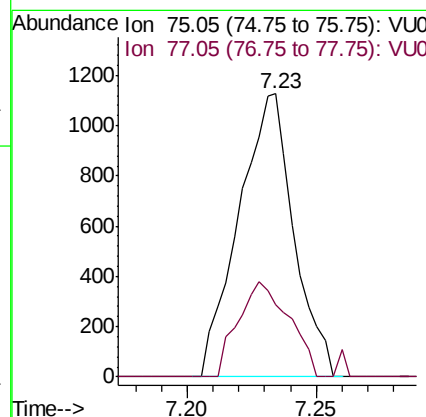
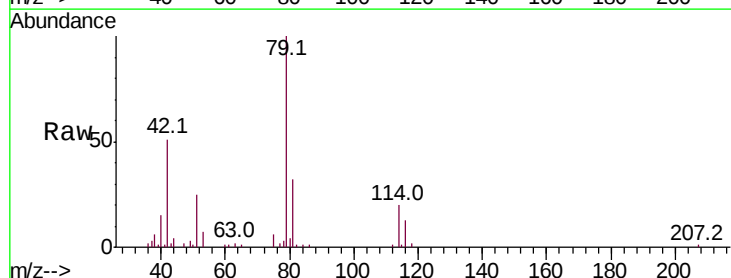
Instrument :
 MSVOA_U
 ClientSampleId :

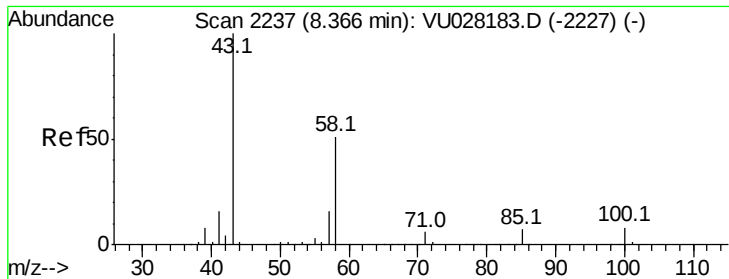
Tot Ion: 63 Resp: 7330
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.23 min Scan# 1885
 Delta R.T. -0.04 min
 Lab File: VU028195.D
 Acq: 16 Nov 2018 19:47

Tgt Ion: 75 Resp: 1681
 Ion Ratio Lower Upper
 75 100
 77 25.5 20.9 38.9





#48

2-Hexanone

Concen: 0.295 ug/L

RT: 8.38 min Scan# 2242

Delta R.T. 0.02 min

Lab File: VU028195.D

Acq: 16 Nov 2018 19:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2090

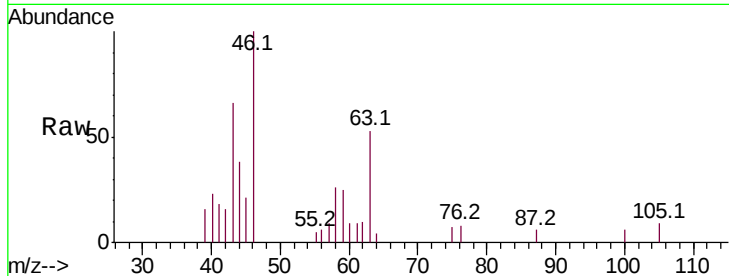
Ion Ratio Lower Upper

43 100

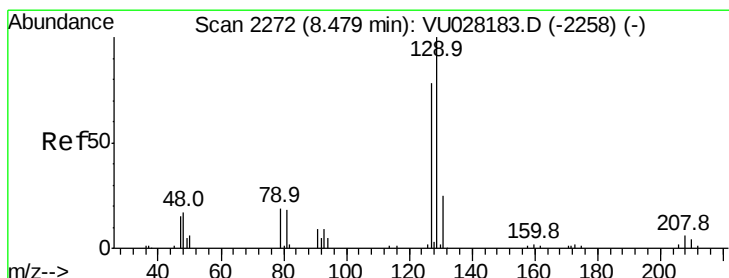
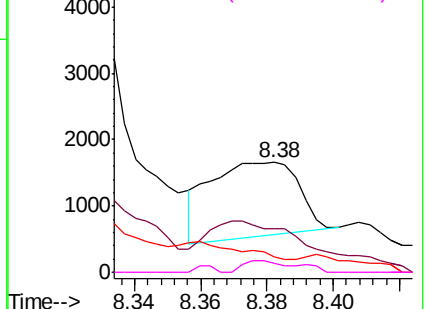
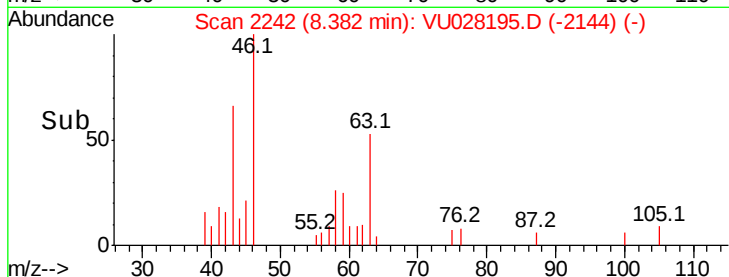
58 83.7 41.7 62.5#

57 15.1 14.0 21.0

100 9.6 7.2 10.8



Abundance Ion 43.05 (42.75 to 43.75): VU028183.D (-2227) (-)



#49

Dibromochloromethane

Concen: 0.050 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VU028195.D

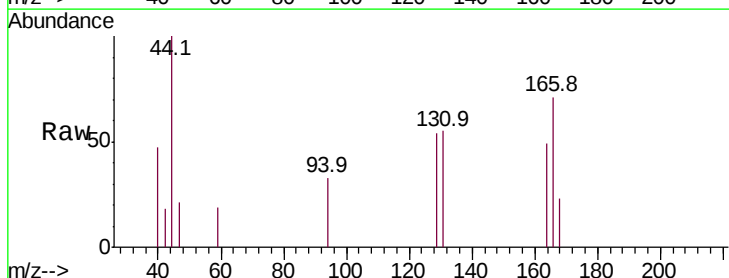
Acq: 16 Nov 2018 19:47

Tgt Ion: 129 Resp: 462

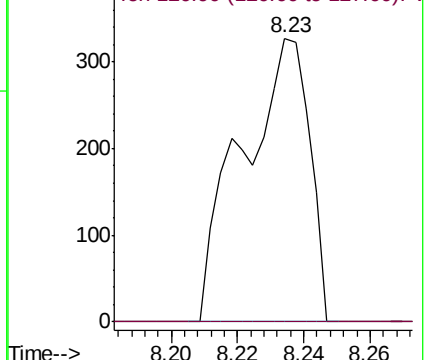
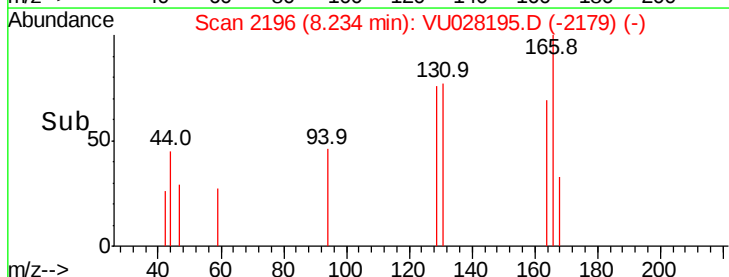
Ion Ratio Lower Upper

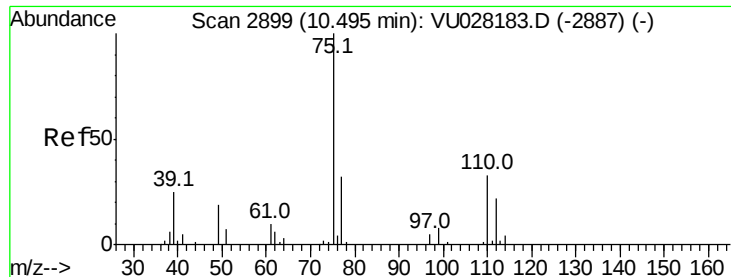
129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): VU028183.D (-2258) (-)





#59

1,2,3-Trichloropropane

Concen: 1.166 ug/L

RT: 11.49 min Scan# 3208

Delta R.T. 0.99 min

Lab File: VU028195.D

Acq: 16 Nov 2018 19:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 9484

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.0

