

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028153.D
 Acq On : 15 Nov 2018 04:52
 Operator : MD/SY
 Sample : J5943-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 06:19:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132129	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	126951	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58650	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47961	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.68	69	40114	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.28	63	71187	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.19	46	175495	55.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.38%
24) Chloroform-d	4.65	84	85630	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	48377	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.34	84	174581	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.33	67	65161	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.57	98	153304	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.85	79	19519	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.31	63	134226	50.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	45471	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	52364	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	53841	3.804	ug/L 99
8) Chloroethane	1.70	64	2783	0.327	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	645	0.074	ug/L # 20
12) 1,1-Dichloroethene	2.29	96	1771	0.202	ug/L # 1
13) Acetone	2.32	43	5466	2.552	ug/L 91
18) trans-1,2-Dichloroethene	2.98	96	138185	14.794	ug/L 100
19) 1,1-Dichloroethane	3.45	63	4113	0.209	ug/L 92
22) cis-1,2-Dichloroethene	4.23	96	369534	35.883	ug/L 99
33) Benzene	5.40	78	2992	0.070	ug/L 100
34) Trichloroethene	6.19	95	58082	5.495	ug/L 97
35) Methylcyclohexane	6.33	83	13367	0.736	ug/L # 16
37) 1,2-Dichloropropane	6.34	63	6248	0.528	ug/L # 92
39) cis-1,3-Dichloropropene	7.23	75	1209	0.076	ug/L # 75
42) Toluene	7.64	91	2540	0.058	ug/L 80
47) Tetrachloroethene	8.23	164	1962	0.228	ug/L 90
49) Dibromochloromethane	8.23	129	2232	0.294	ug/L # 11
52) Ethylbenzene	9.38	91	1533	0.032	ug/L 96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

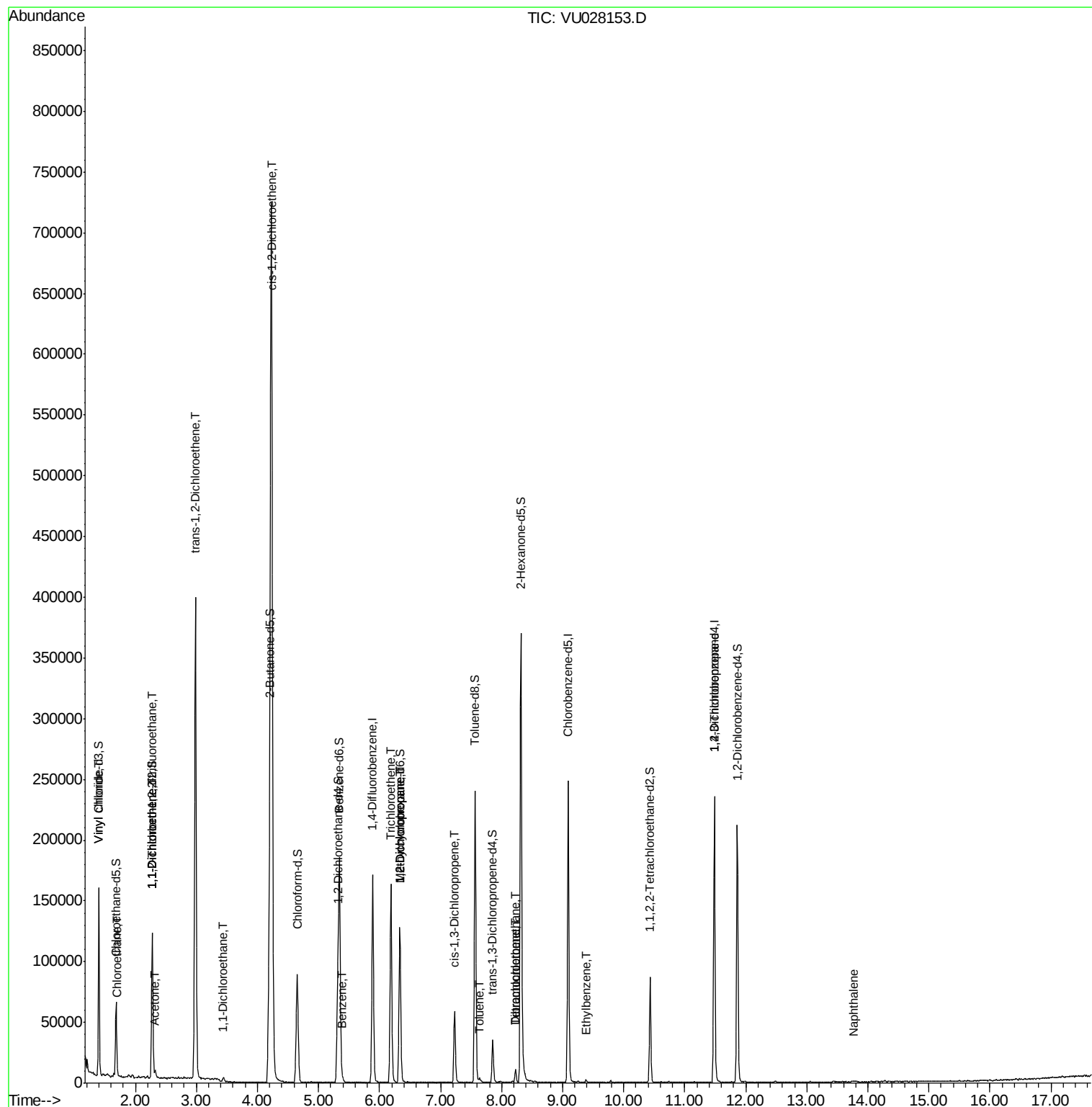
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	8688	1.308	ug/L	98
69) Naphthalene	13.76	128	1284	0.056	ug/L #	70

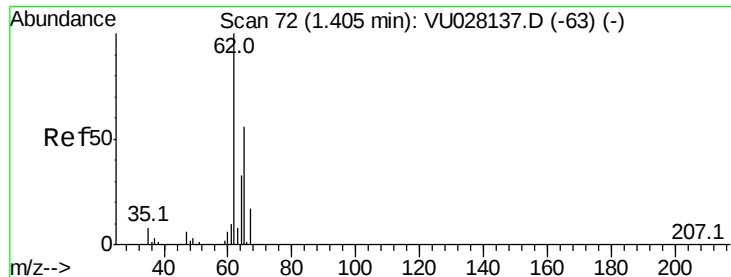
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.804 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

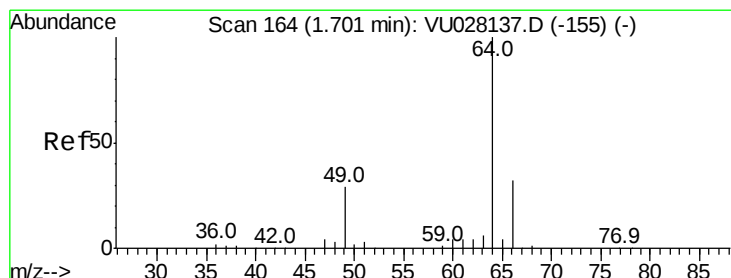
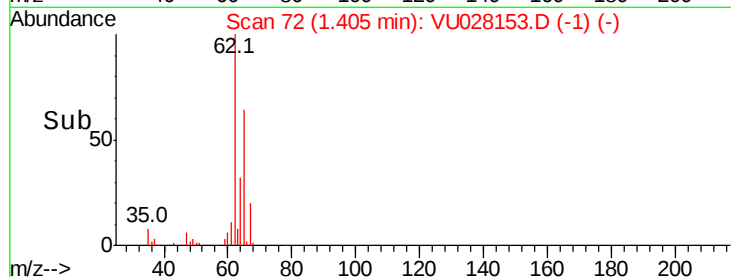
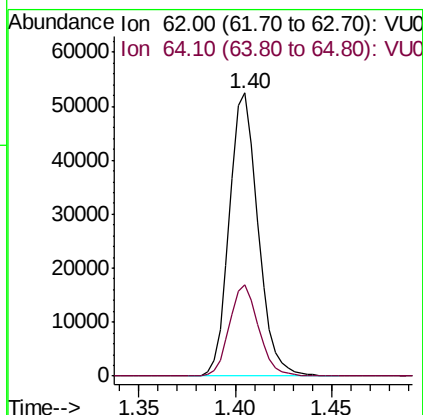
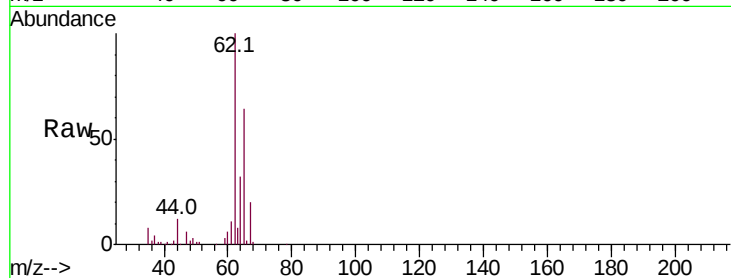
ClientSampleId :

Tot Ion: 62 Resp: 53841

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.3



#8

Chloroethane

Concen: 0.327 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU028153.D

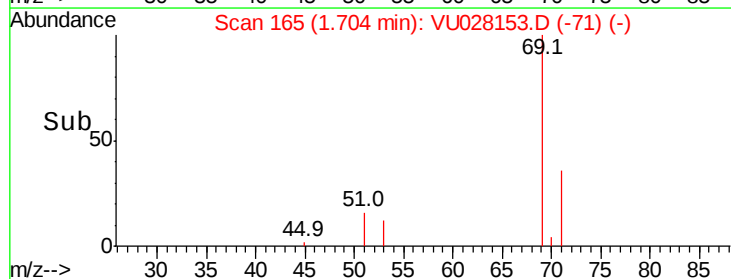
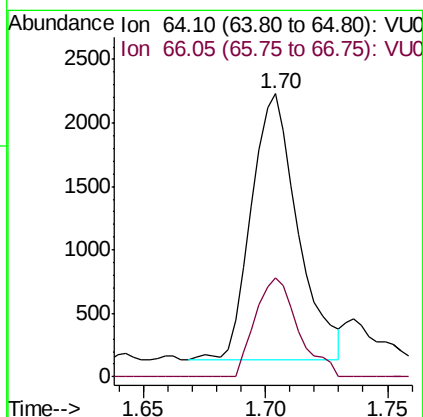
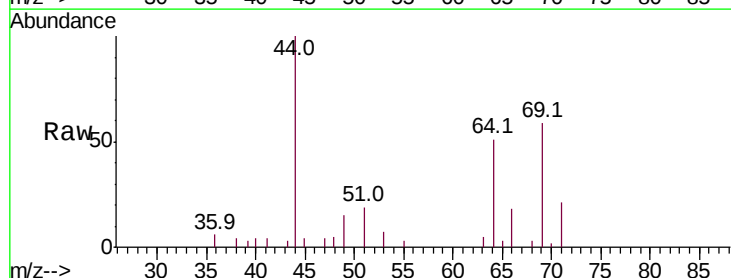
Acq: 15 Nov 2018 04:52

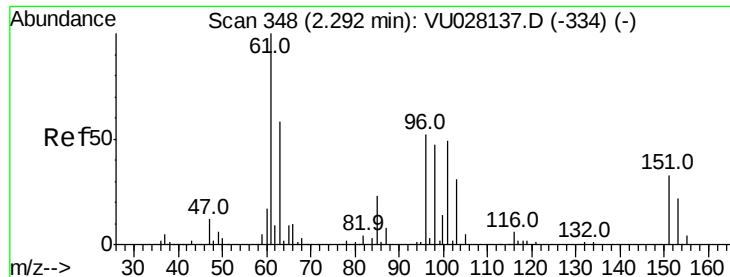
Tgt Ion: 64 Resp: 2783

Ion Ratio Lower Upper

64 100

66 35.1 23.1 42.9





#10

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

Concen: 0.074 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

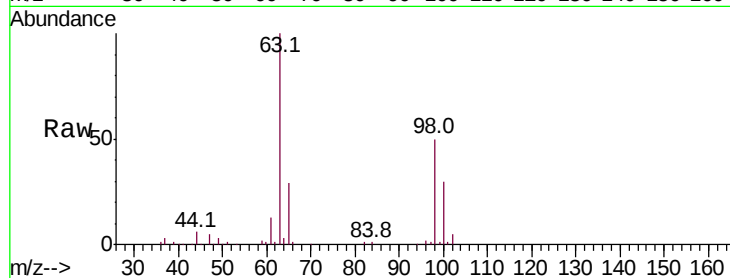
Tot Ion:101 Resp: 645

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

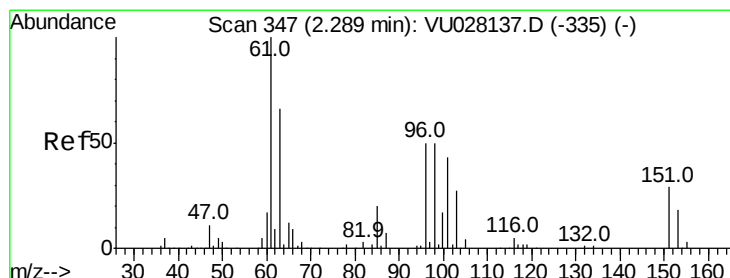
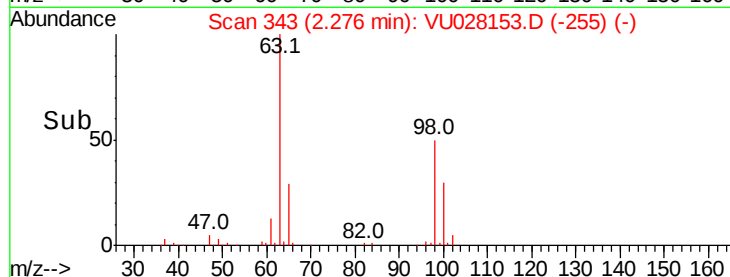
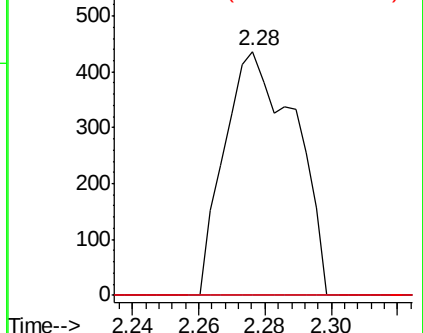
151 0.0 58.2 87.2#



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



#12

1,1-Dichloroethene

Concen: 0.202 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

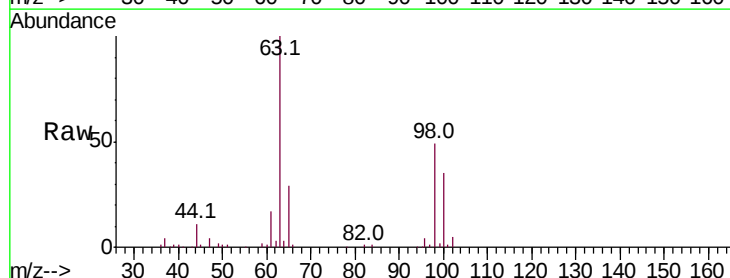
Tgt Ion: 96 Resp: 1771

Ion Ratio Lower Upper

96 100

61 424.0 134.8 250.3#

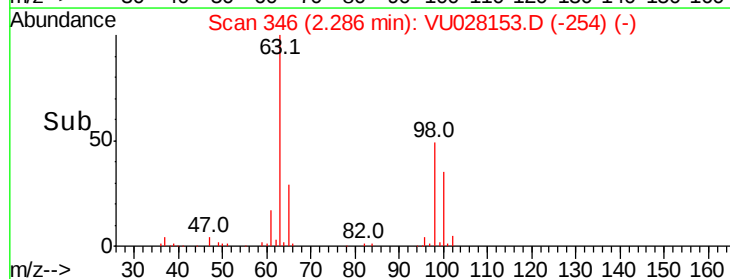
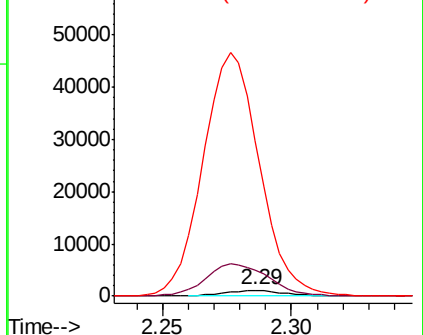
63 2553.0 100.1 185.9#

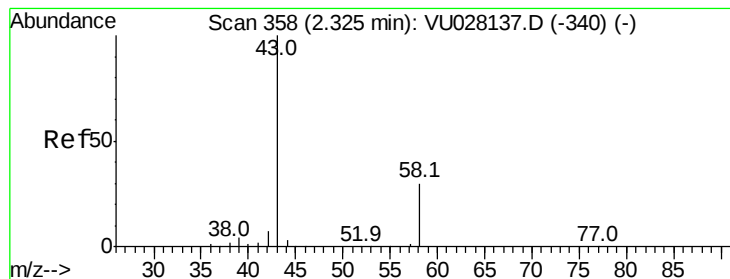


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.552 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

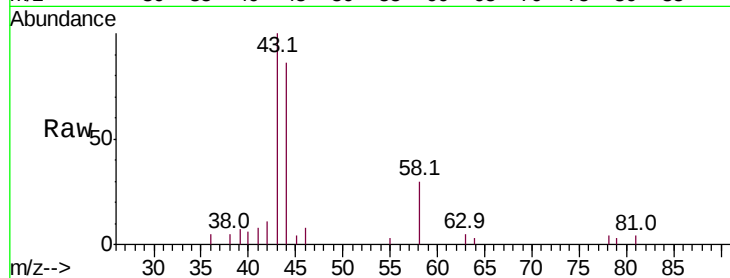
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 5466

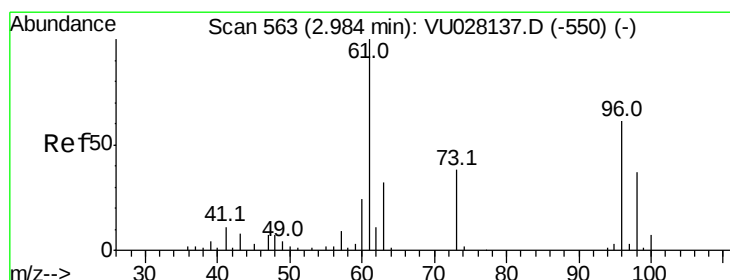
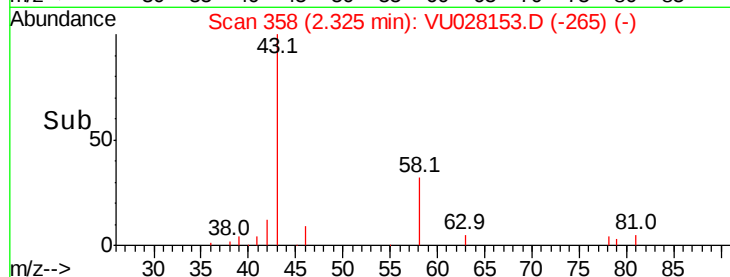
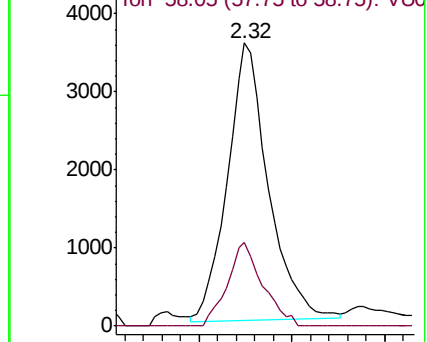
Ion Ratio Lower Upper

43 100

58 25.7 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 14.794 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

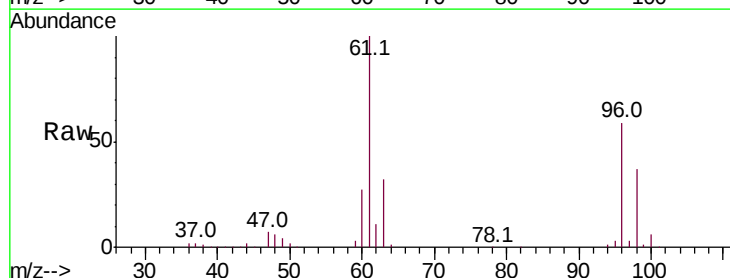
Tgt Ion: 96 Resp: 138185

Ion Ratio Lower Upper

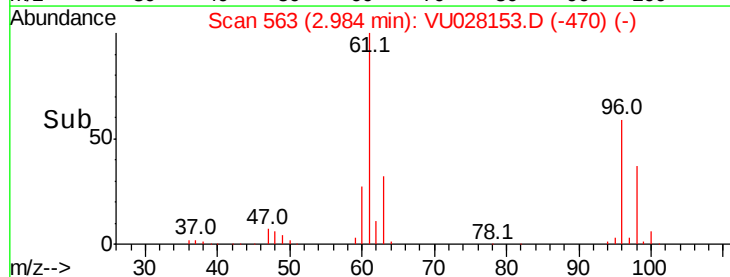
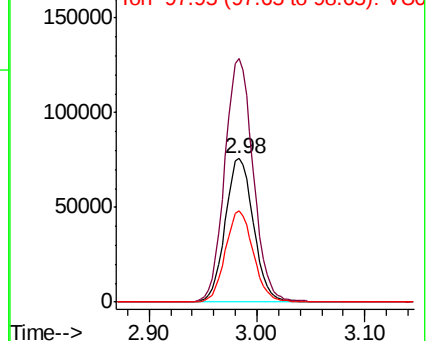
96 100

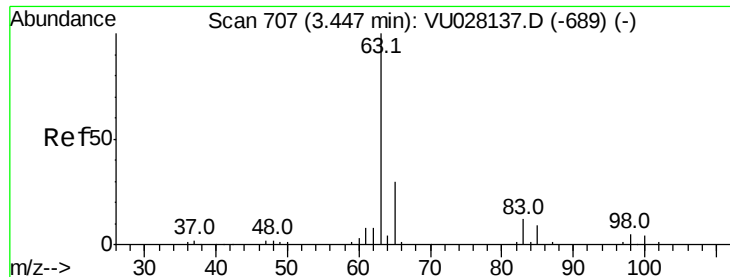
61 169.4 118.5 220.1

98 63.4 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

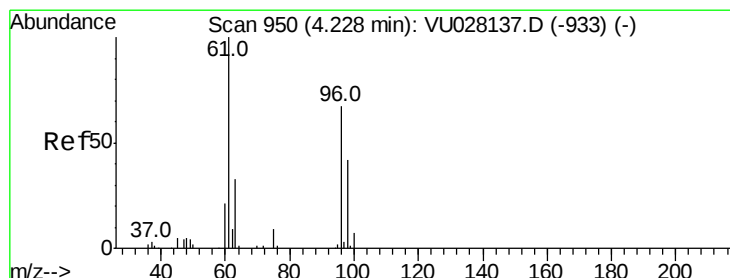
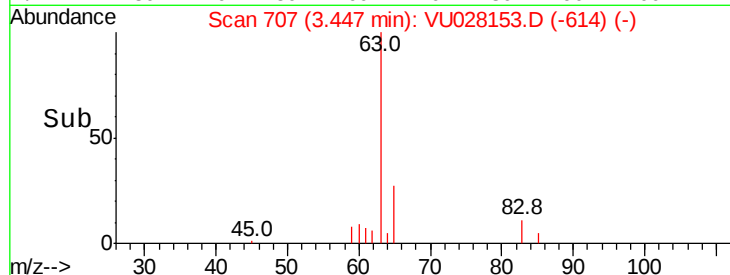
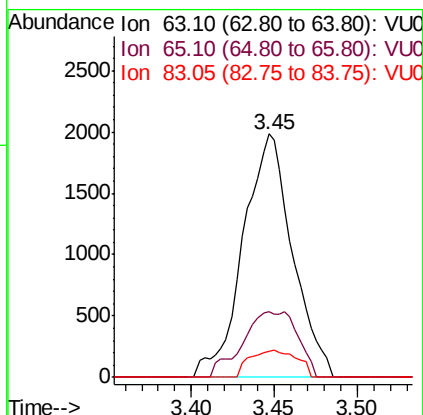
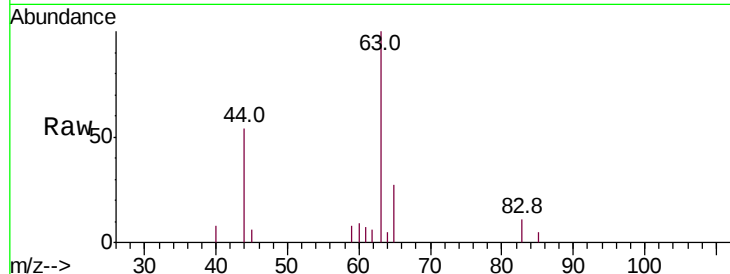




#19
 1,1-Dichloroethane
 Concen: 0.209 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028153.D
 Acq: 15 Nov 2018 04:52

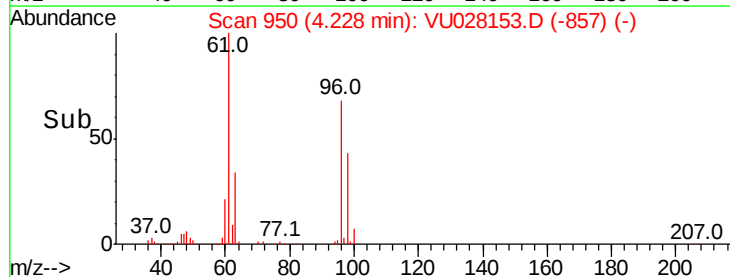
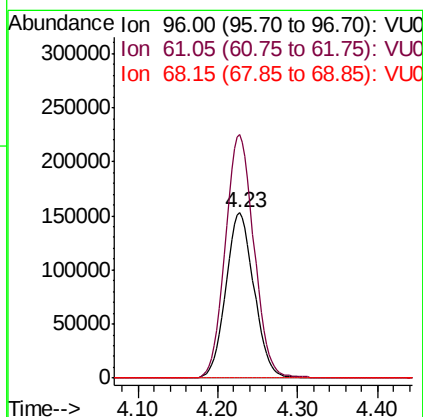
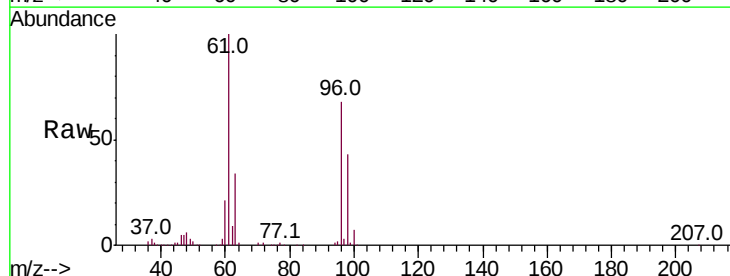
Instrument :
 MSVOA_U
 ClientSampled :

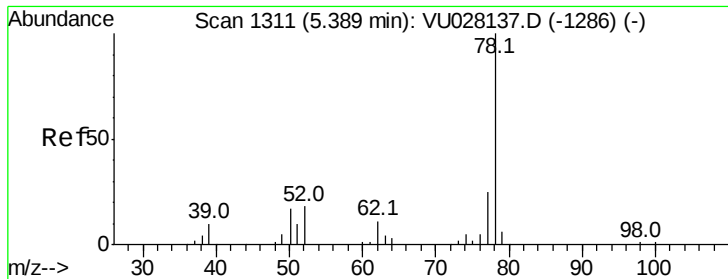
Tot Ion: 63 Resp: 4113
 Ion Ratio Lower Upper
 63 100
 65 26.9 22.2 41.2
 83 10.8 8.9 16.5



#22
 cis-1,2-Dichloroethene
 Concen: 35.883 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028153.D
 Acq: 15 Nov 2018 04:52

Tgt Ion: 96 Resp: 369534
 Ion Ratio Lower Upper
 96 100
 61 147.2 101.8 189.0
 68 0.0 0.0 0.0





#33

Benzene

Concen: 0.070 ug/L

RT: 5.40 min Scan# 1313

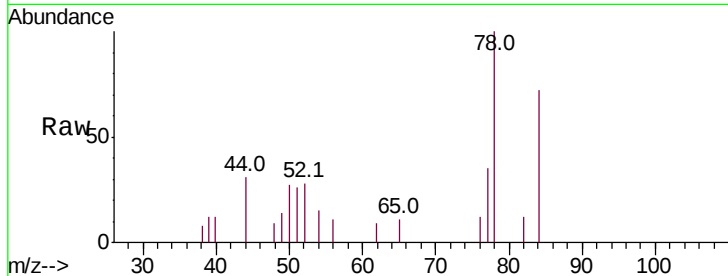
Delta R.T. 0.01 min

Lab File: VU028153.D

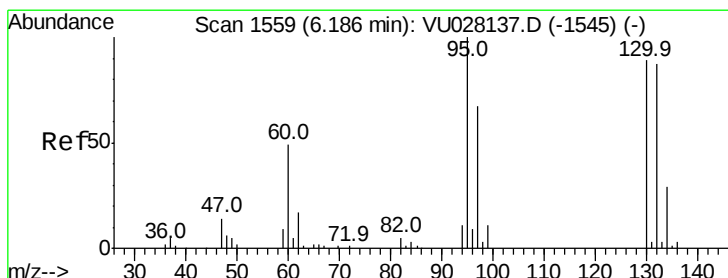
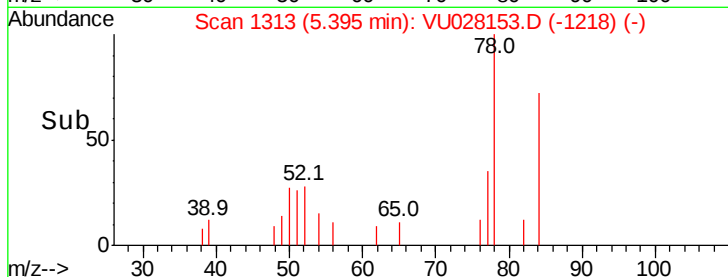
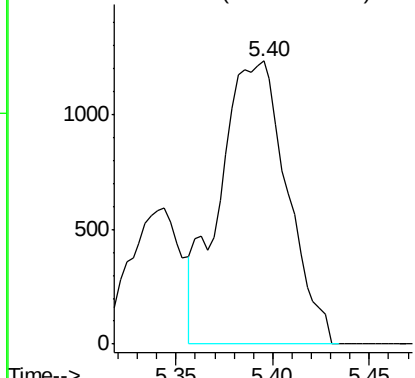
Acq: 15 Nov 2018 04:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 2992



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.495 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Tgt Ion: 95 Resp: 58082

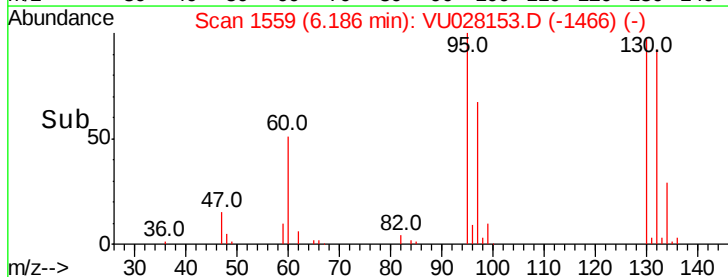
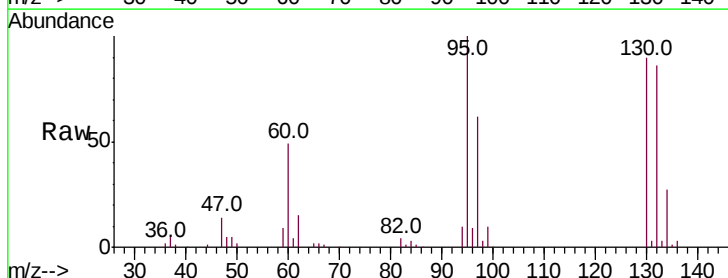
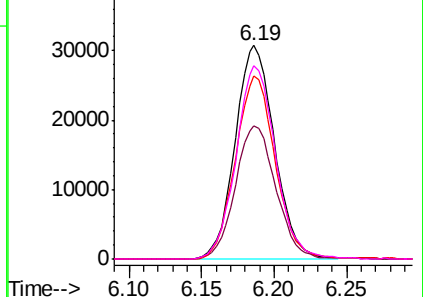
Ion	Ratio	Lower	Upper
95	100		
97	62.3	45.3	84.1
132	85.5	63.0	117.0
130	90.3	63.6	118.2

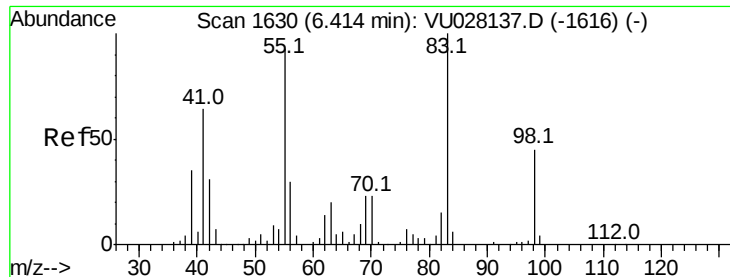
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#35

Methylcyclohexane

Concen: 0.736 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

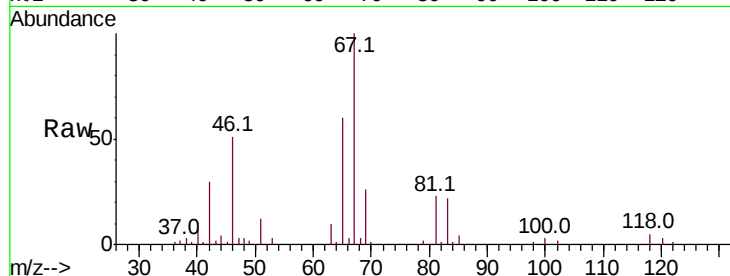
Tot Ion: 83 Resp: 13367

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

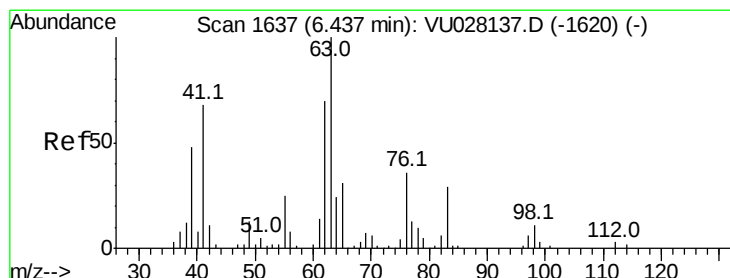
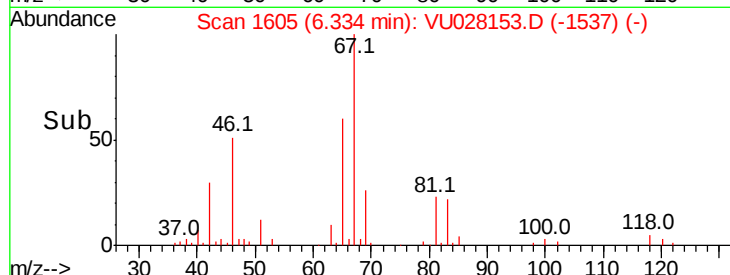
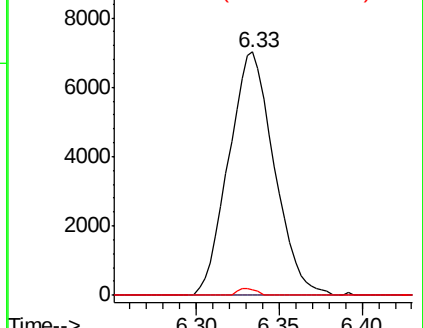
98 1.2 33.3 49.9#



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: 0.528 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.10 min

Lab File: VU028153.D

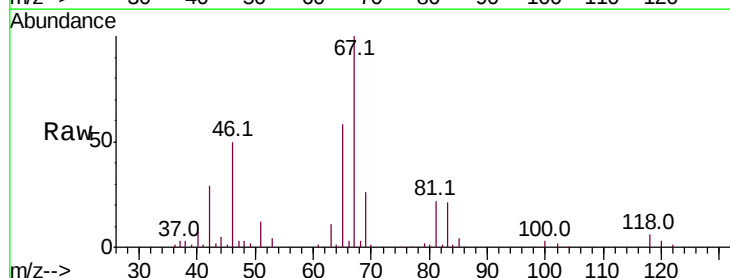
Acq: 15 Nov 2018 04:52

Tgt Ion: 63 Resp: 6248

Ion Ratio Lower Upper

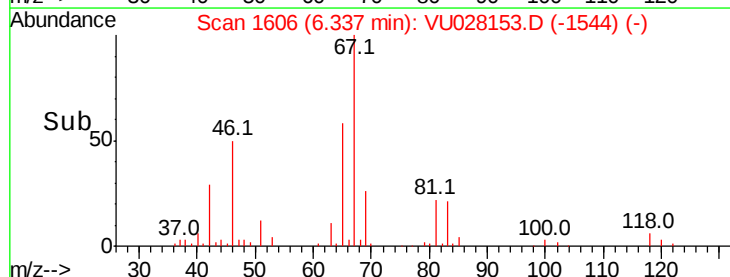
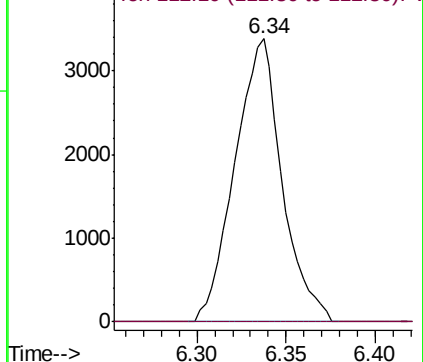
63 100

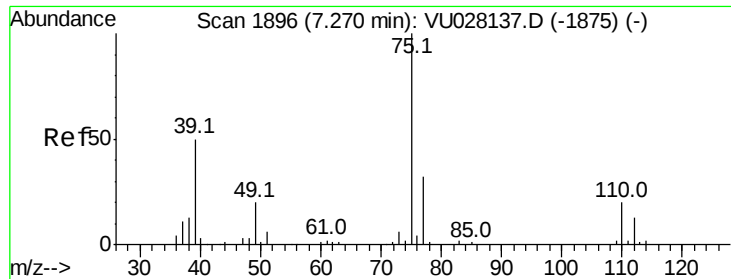
112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

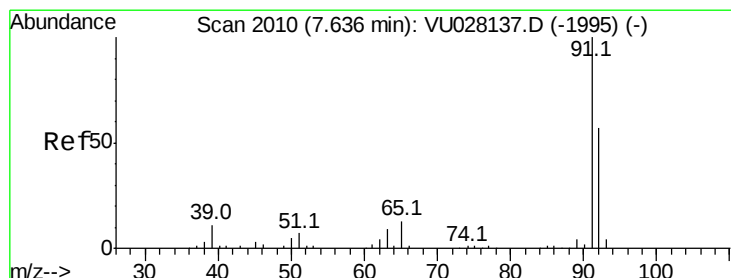
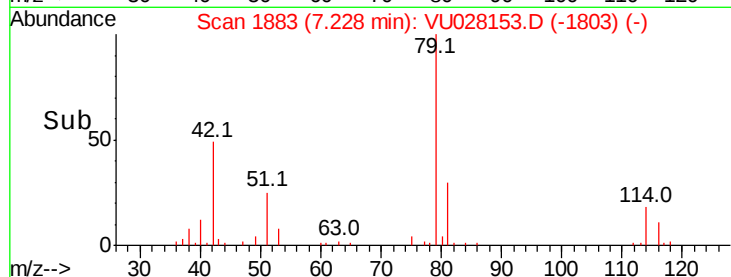
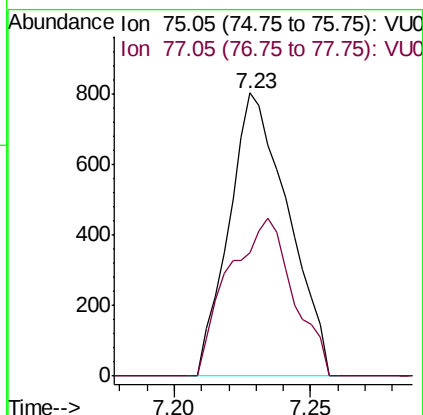
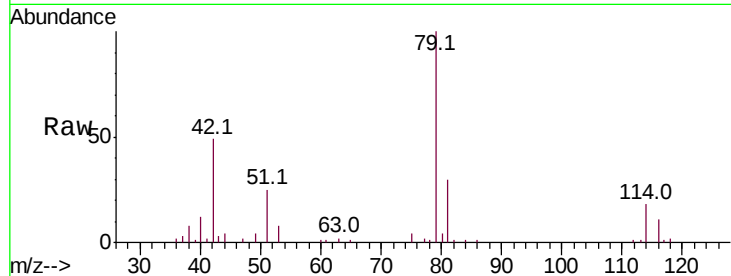




#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028153.D
 Acq: 15 Nov 2018 04:52

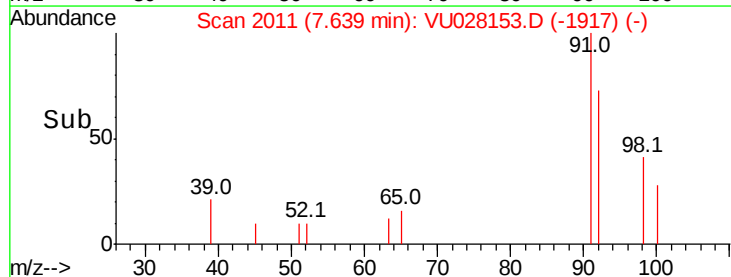
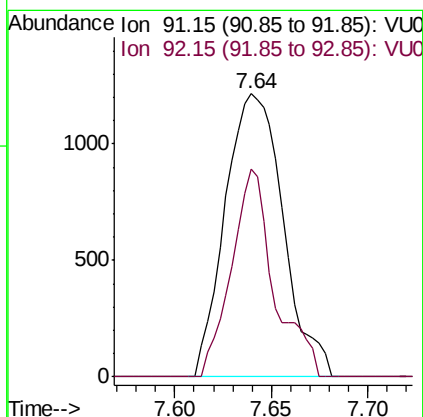
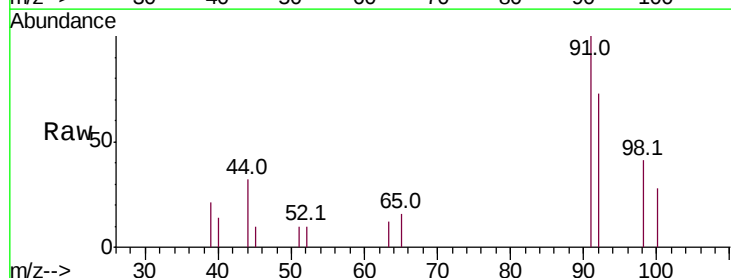
Instrument :
 MSVOA_U
 ClientSampled :

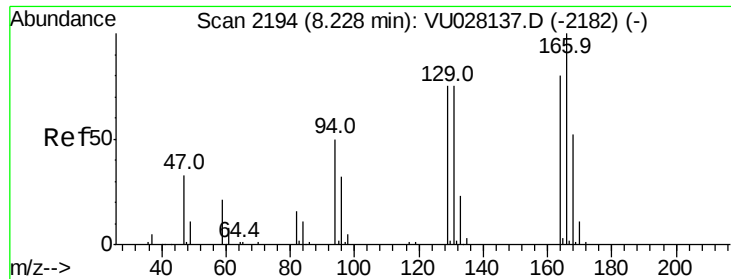
Tot Ion: 75 Resp: 1209
 Ion Ratio Lower Upper
 75 100
 77 43.5 20.9 38.9#



#42
 Toluene
 Concen: 0.058 ug/L
 RT: 7.64 min Scan# 2011
 Delta R.T. 0.00 min
 Lab File: VU028153.D
 Acq: 15 Nov 2018 04:52

Tgt Ion: 91 Resp: 2540
 Ion Ratio Lower Upper
 91 100
 92 73.3 40.7 75.7

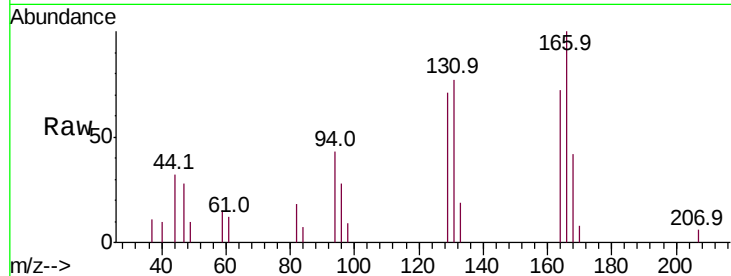




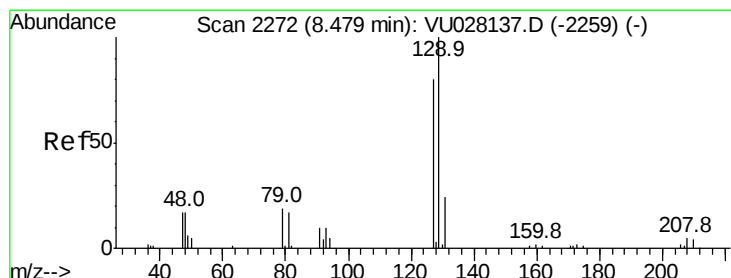
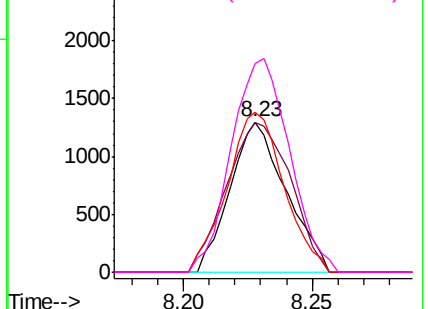
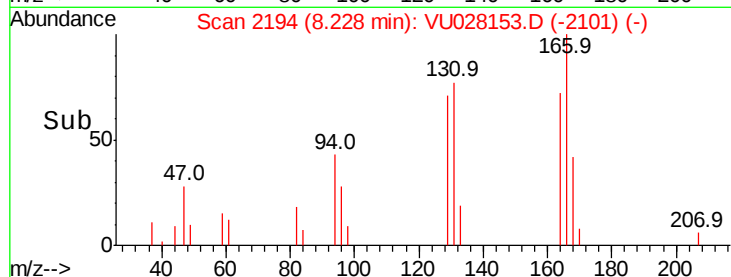
#47
Tetrachloroethene
Concen: 0.228 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028153.D
Acq: 15 Nov 2018 04:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 1962
Ion Ratio Lower Upper
164 100
129 99.5 69.7 129.4
131 106.7 64.0 118.8
166 139.4 86.4 160.4

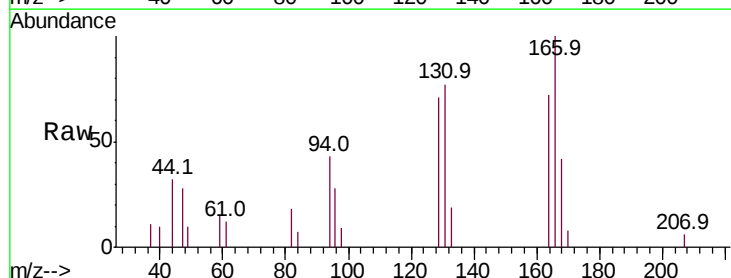


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

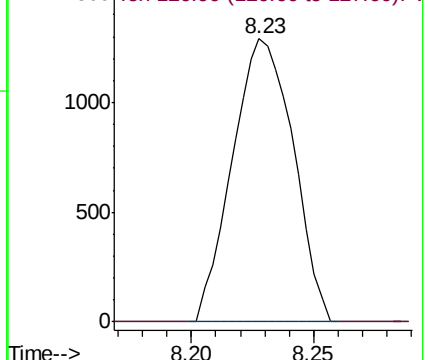
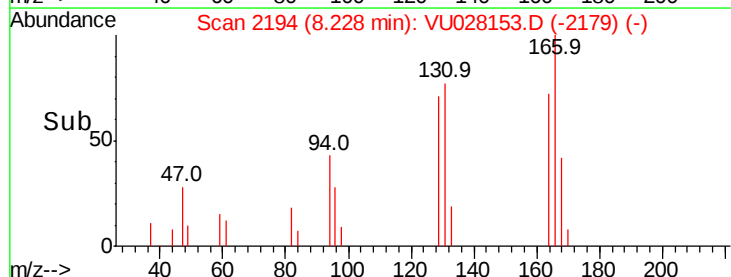


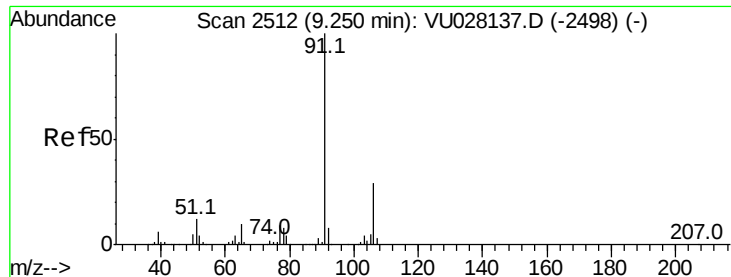
#49
Dibromochloromethane
Concen: 0.294 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028153.D
Acq: 15 Nov 2018 04:52

Tgt Ion:129 Resp: 2232
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





#52

Ethylbenzene

Concen: 0.032 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.13 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

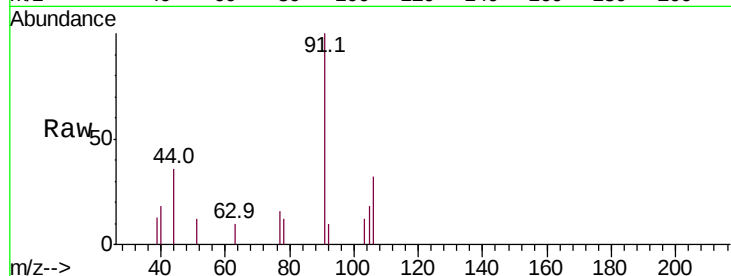
ClientSampleId :

Tot Ion: 91 Resp: 1533

Ion Ratio Lower Upper

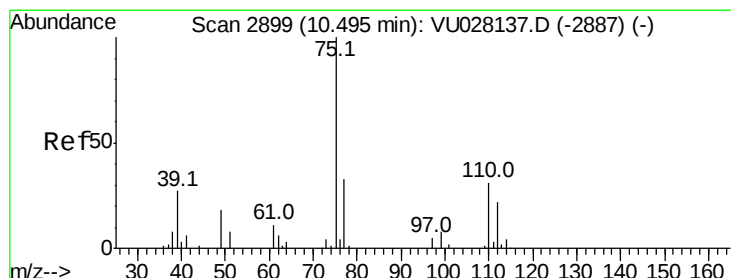
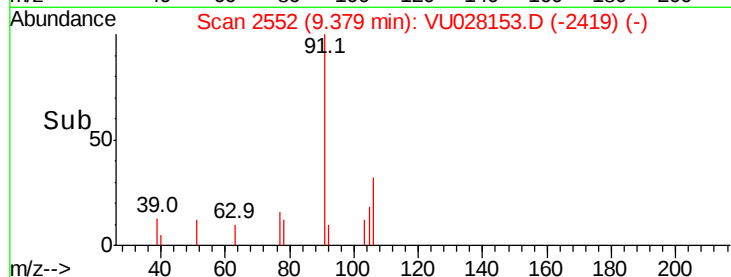
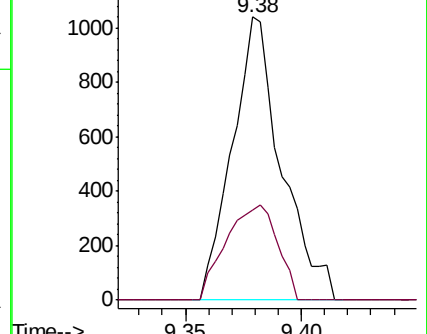
91 100

106 32.0 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#59

1,2,3-Trichloropropane

Concen: 1.308 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028153.D

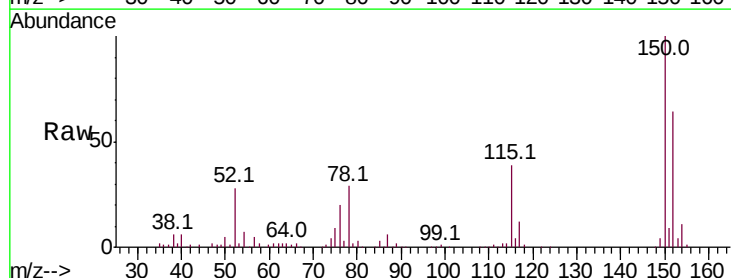
Acq: 15 Nov 2018 04:52

Tgt Ion: 75 Resp: 8688

Ion Ratio Lower Upper

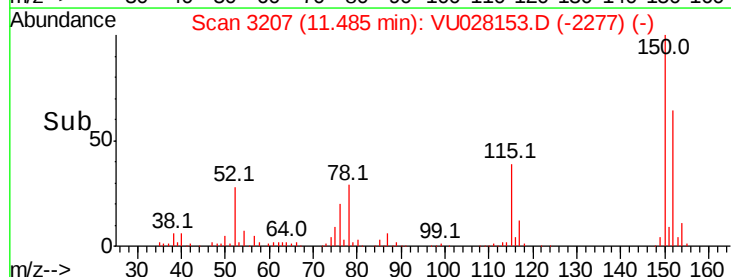
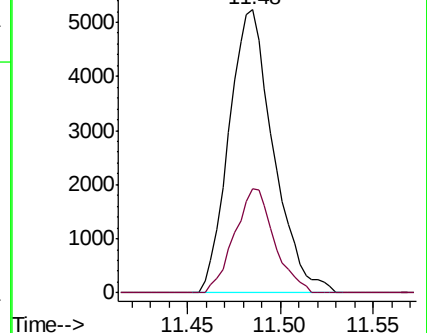
75 100

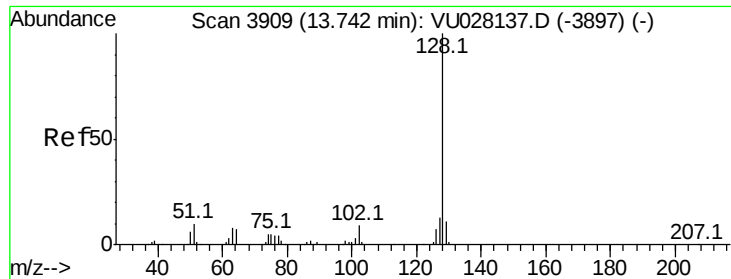
77 32.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.056 ug/L

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU028153.D

Acq: 15 Nov 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 1284

Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

127 0.0 10.2 15.4#

