

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
 Data File : VU027700.D
 Acq On : 18 Oct 2018 15:39
 Operator : MD/SY
 Sample : J5463-02DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3DL

Quant Time: Oct 19 08:15:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 08:11:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	74990	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	69818	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	34678	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29452	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.68	69	23005	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.28	63	38367	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.20	46	82454	48.66	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.32%
24) Chloroform-d	4.65	84	45816	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.31	65	25328	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.34	84	100963	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.33	67	34876	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.57	98	92304	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.85	79	14185	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.31	63	71760	50.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	24051	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	33364	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	409	0.067 ug/L #	87
5) Vinyl chloride	1.40	62	961	0.131 ug/L #	2
8) Chloroethane	1.69	64	373	0.088 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	449	0.088 ug/L #	26
12) 1,1-Dichloroethene	2.29	96	1381	0.272 ug/L #	1
13) Acetone	2.33	43	835	0.771 ug/L	70
18) trans-1,2-Dichloroethene	2.98	96	412	0.076 ug/L #	69
19) 1,1-Dichloroethane	3.44	63	763	0.071 ug/L #	61
22) cis-1,2-Dichloroethene	4.23	96	15252	2.554 ug/L #	99
25) Chloroform	4.68	83	1588	0.153 ug/L	96
27) 1,2-Dichloroethane	5.35	62	508	0.077 ug/L #	72
34) Trichloroethene	6.19	95	32252	5.453 ug/L	97
35) Methylcyclohexane	6.33	83	7383	0.724 ug/L #	17
37) 1,2-Dichloropropane	6.33	63	3513	0.535 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	809	0.085 ug/L #	57
47) Tetrachloroethene	8.23	164	15048	3.187 ug/L	93
49) Dibromochloromethane	8.23	129	14225	2.713 ug/L #	11

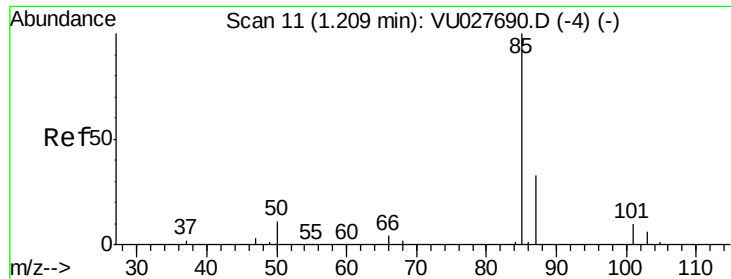
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101818\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 19 08:11:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	4214	1.118	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.067 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027700.D

Acq: 18 Oct 2018 15:39

Instrument :

MSVOA_U

ClientSampleId :

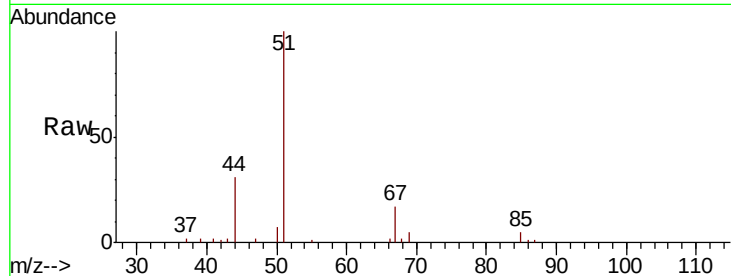
C0JB3DL

Tgt Ion: 85 Resp: 409

Ion Ratio Lower Upper

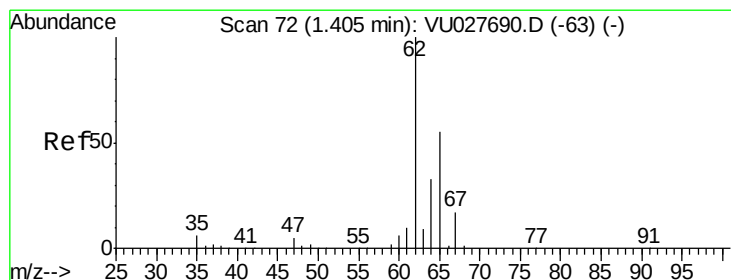
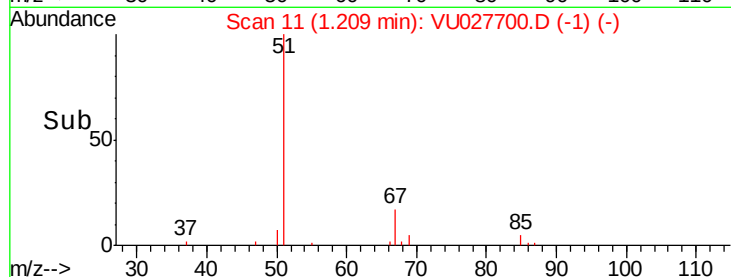
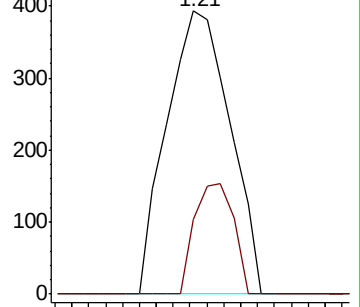
85 100

87 24.2 25.4 38.0#



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#5

Vinyl chloride

Concen: 0.131 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027700.D

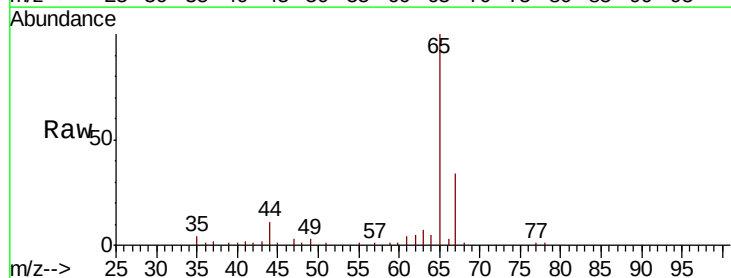
Acq: 18 Oct 2018 15:39

Tgt Ion: 62 Resp: 961

Ion Ratio Lower Upper

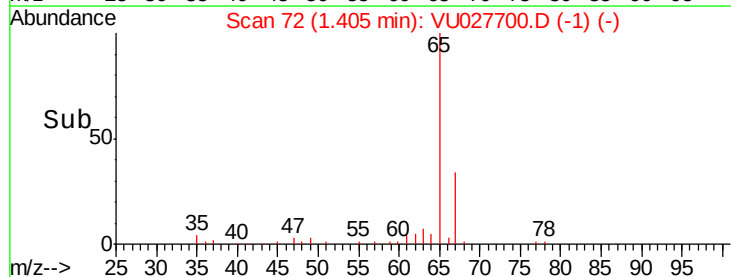
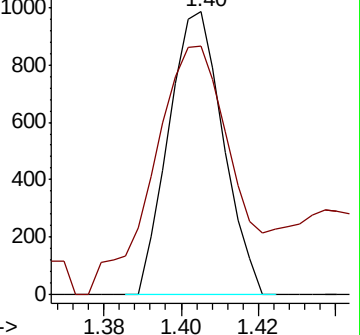
62 100

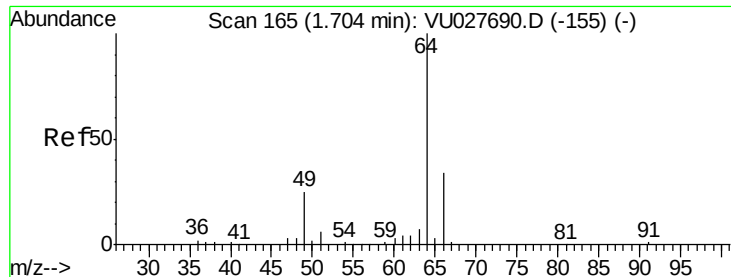
64 87.8 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.088 ug/L

RT: 1.69 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU027700.D

Acq: 18 Oct 2018 15:39

Instrument :

MSVOA_U

ClientSampleId :

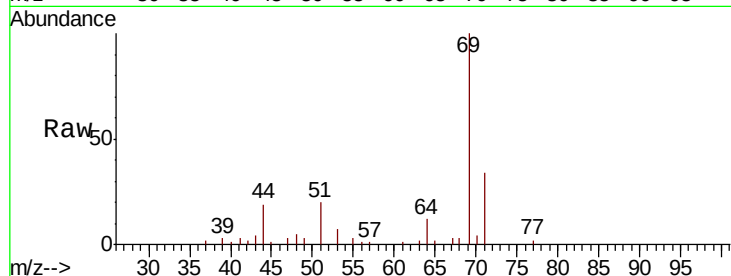
C0JB3DL

Tgt Ion: 64 Resp: 373

Ion Ratio Lower Upper

64 100

66 0.0 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU027690.D (-155) (-)

Ion 66.05 (65.75 to 66.75): VU027690.D (-155) (-)

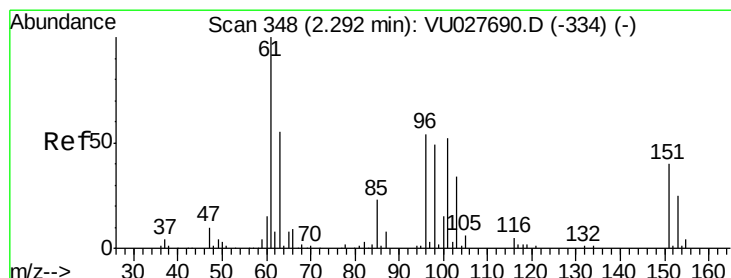
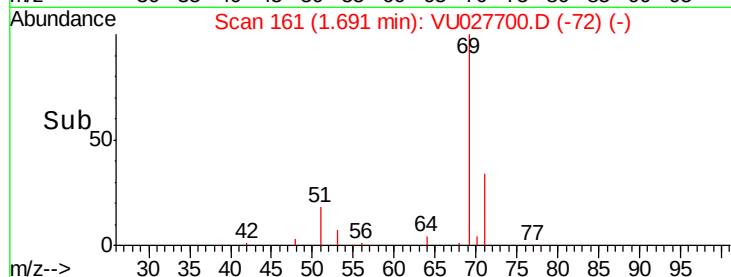
1.69

1000

500

0

Time-->



#10

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

Concen: 0.088 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU027700.D

Acq: 18 Oct 2018 15:39

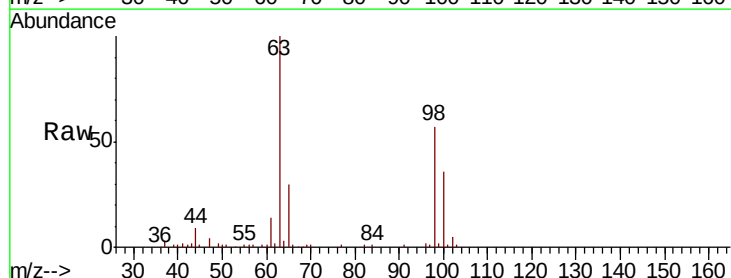
Tgt Ion: 101 Resp: 449

Ion Ratio Lower Upper

101 100

85 15.1 35.6 53.4#

151 0.0 63.8 95.6#



Abundance Ion 101.00 (100.70 to 101.70): VU027690.D (-334) (-)

Ion 85.00 (84.70 to 85.70): VU027690.D (-334) (-)

Ion 151.00 (150.70 to 151.70): VU027690.D (-334) (-)

2.28

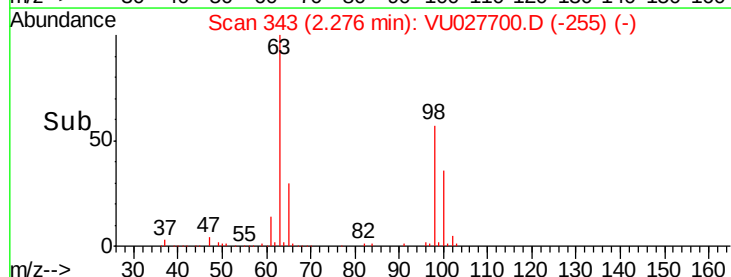
300

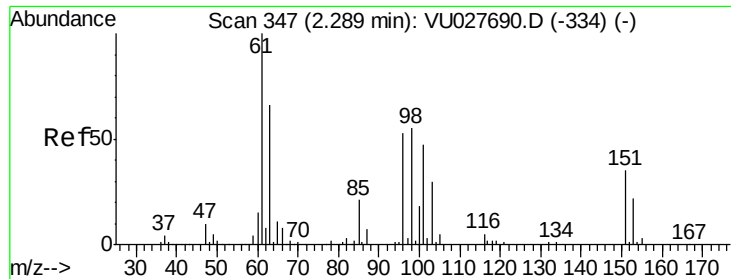
200

100

0

Time-->

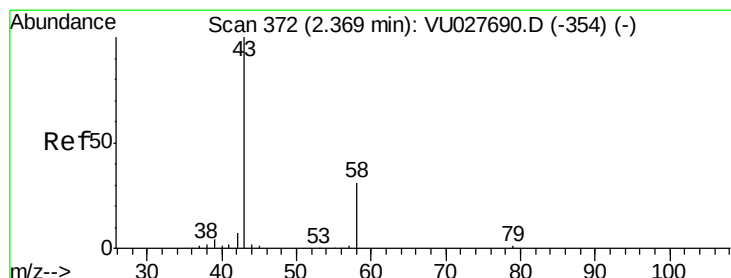
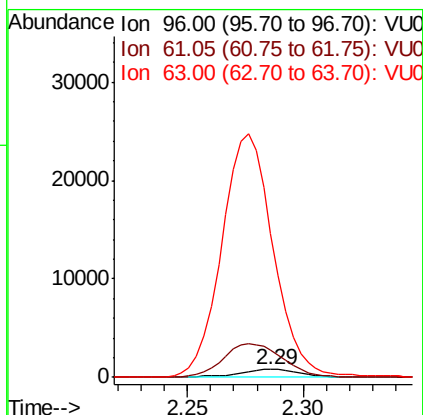
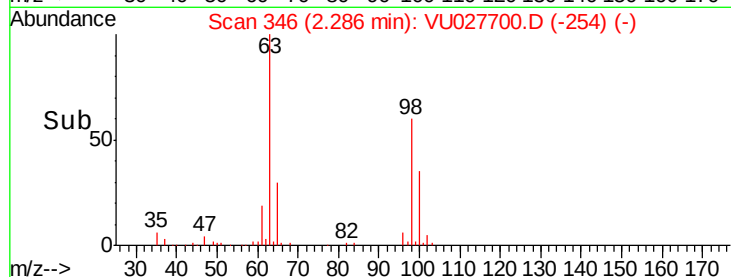
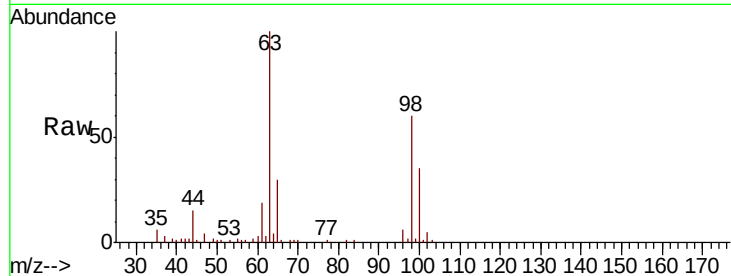




#12
 1,1-Dichloroethene
 Concen: 0.272 ug/L
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

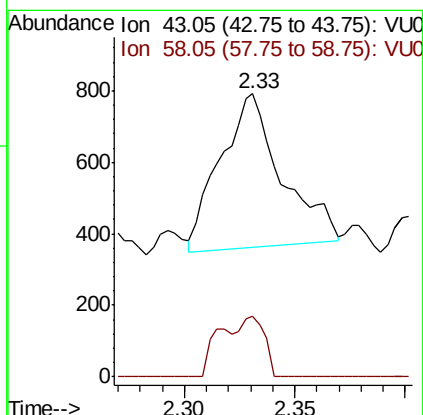
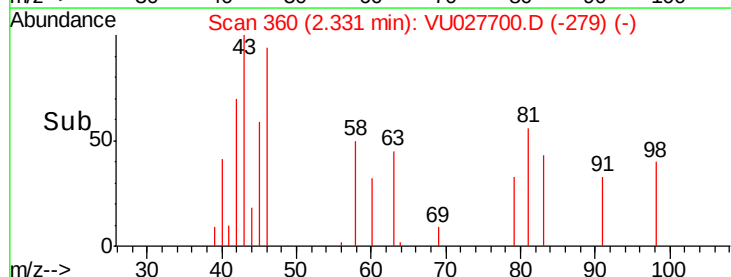
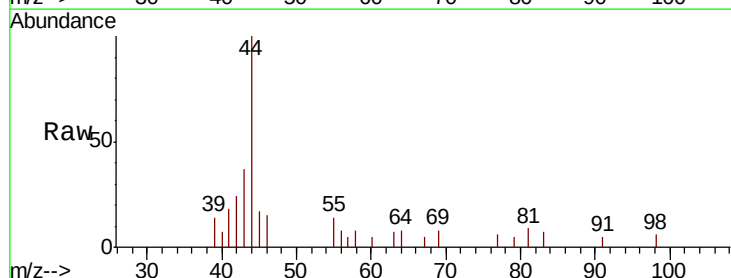
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3DL

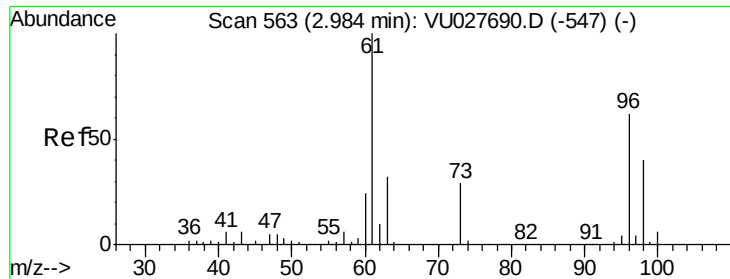
Tgt Ion: 96 Resp: 1381
 Ion Ratio Lower Upper
 96 100
 61 342.8 125.6 233.2#
 63 1802.0 97.6 181.2#



#13
 Acetone
 Concen: 0.771 ug/L
 RT: 2.33 min Scan# 360
 Delta R.T. -0.04 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Tgt Ion: 43 Resp: 835
 Ion Ratio Lower Upper
 43 100
 58 16.4 0.0 66.4





#18

trans-1,2-Dichloroethene

Concen: 0.076 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027700.D

Acq: 18 Oct 2018 15:39

Instrument :

MSVOA_U

ClientSampleId :

C0JB3DL

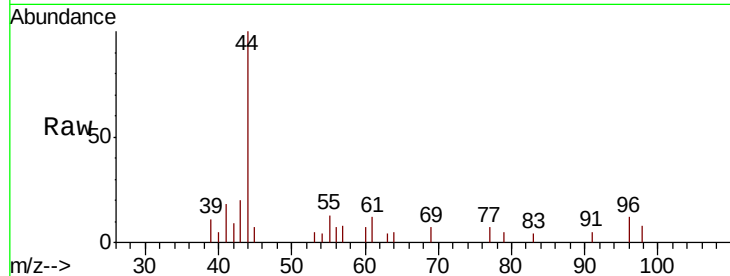
Tgt Ion: 96 Resp: 412

Ion Ratio Lower Upper

96 100

61 97.8 105.8 196.4#

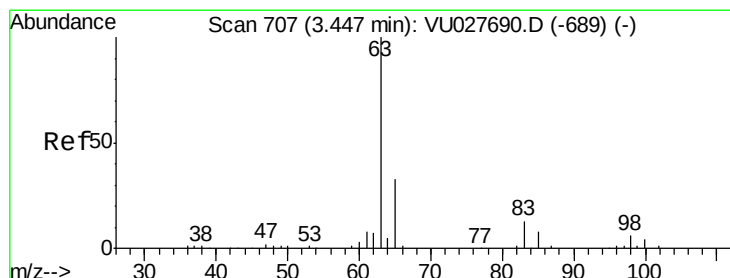
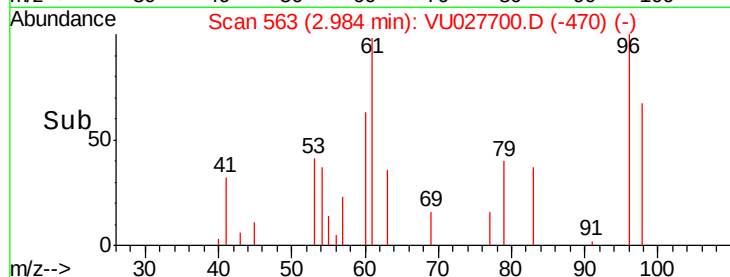
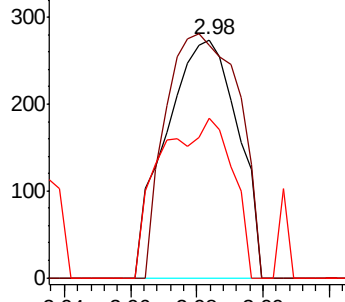
98 67.2 43.6 81.0



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: 0.071 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU027700.D

Acq: 18 Oct 2018 15:39

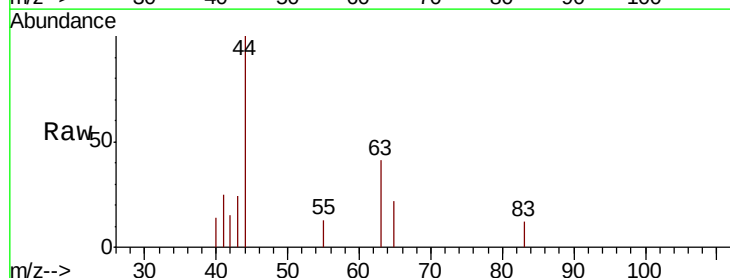
Tgt Ion: 63 Resp: 763

Ion Ratio Lower Upper

63 100

65 52.9 22.3 41.3#

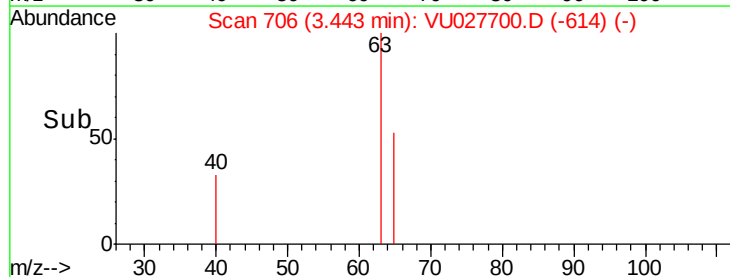
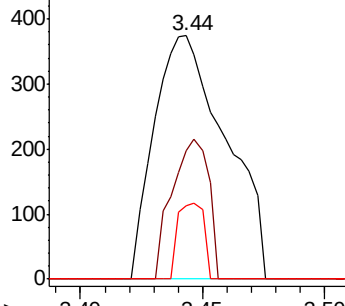
83 30.2 9.7 17.9#

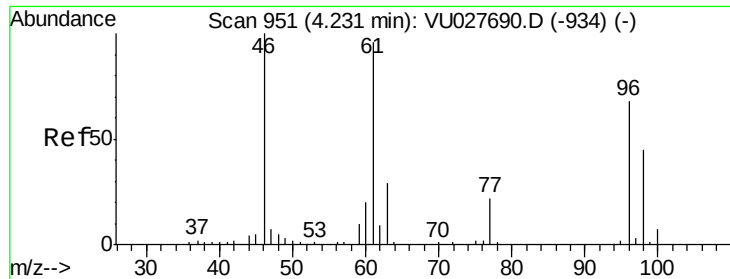


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



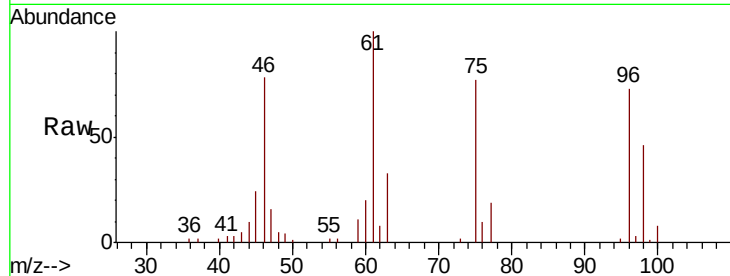


#22

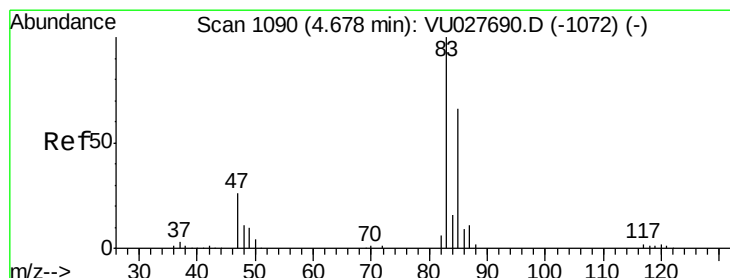
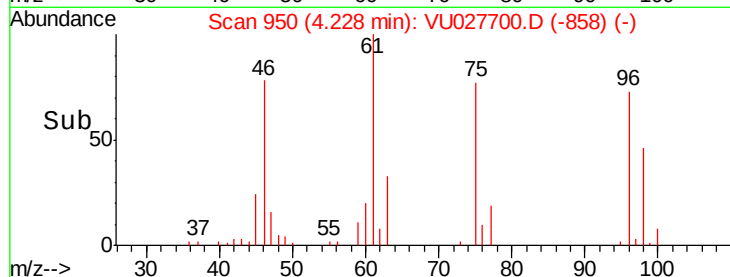
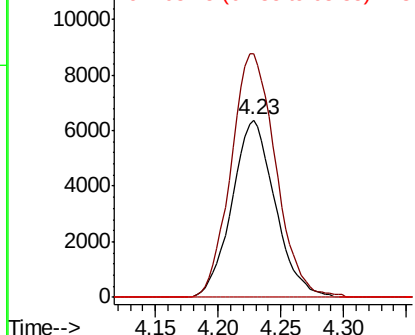
cis-1,2-Dichloroethene
 Concen: 2.554 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3DL

Tgt Ion: 96 Resp: 15252
 Ion Ratio Lower Upper
 96 100
 61 137.2 95.3 176.9
 68 0.0 1.1 2.1#



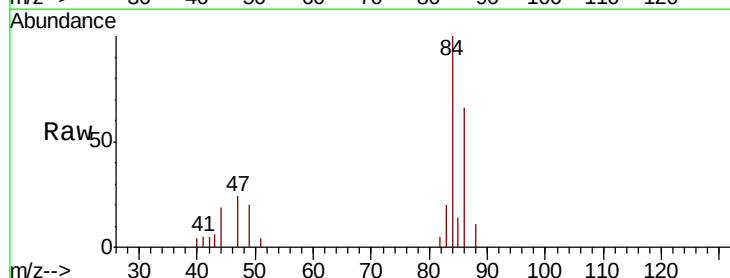
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



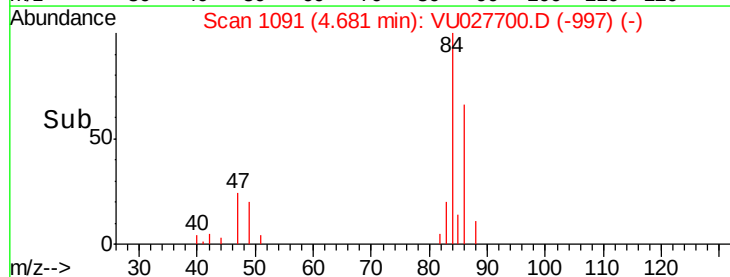
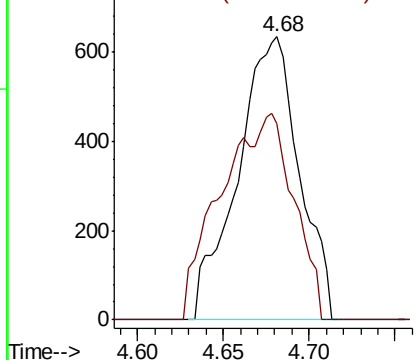
#25

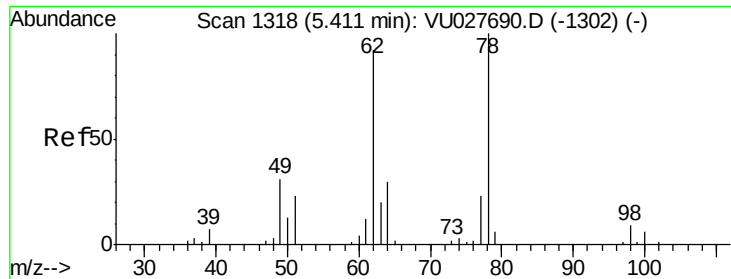
Chloroform
 Concen: 0.153 ug/L
 RT: 4.68 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Tgt Ion: 83 Resp: 1588
 Ion Ratio Lower Upper
 83 100
 85 69.2 46.1 85.7



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

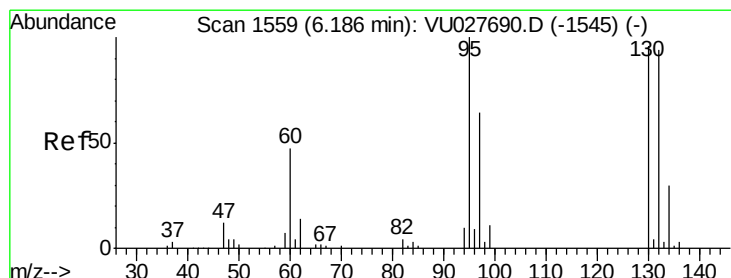
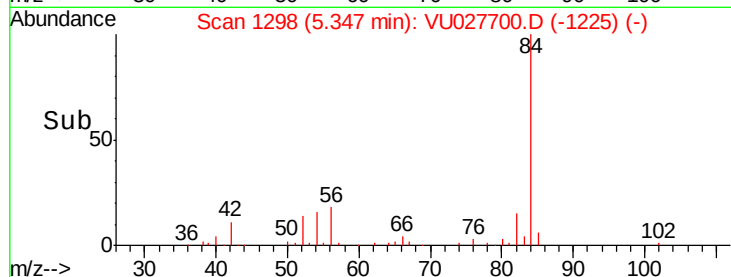
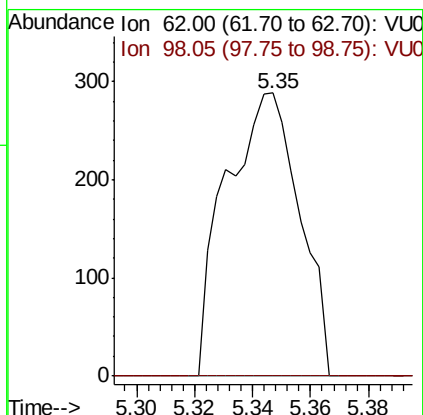
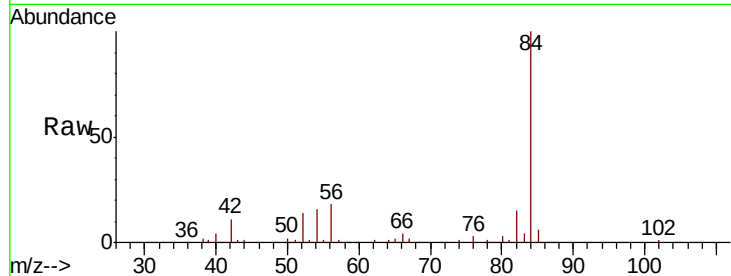




#27
 1,2-Dichloroethane
 Concen: 0.077 ug/L
 RT: 5.35 min Scan# 1298
 Delta R.T. -0.06 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

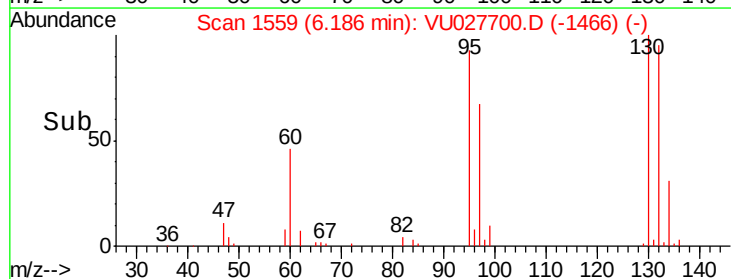
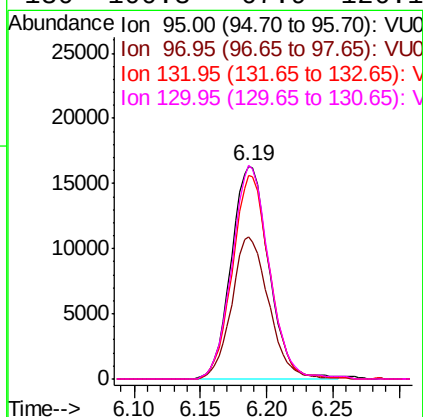
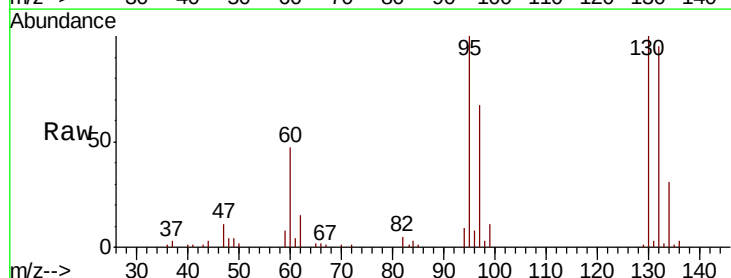
Instrument :
 MSVOA_U
 ClientSampleID :
 C0JB3DL

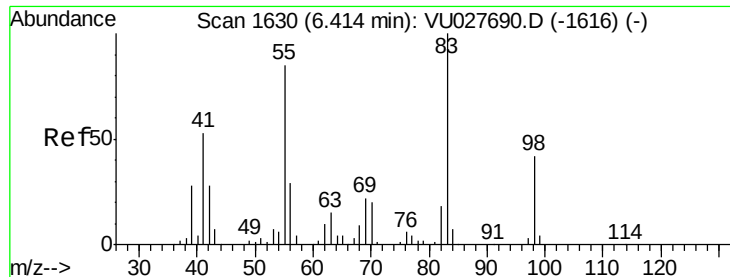
Tgt Ion: 62 Resp: 508
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.4 12.6#



#34
 Trichloroethene
 Concen: 5.453 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Tgt Ion: 95 Resp: 32252
 Ion Ratio Lower Upper
 95 100
 97 66.9 44.7 83.1
 132 95.5 65.9 122.5
 130 100.3 67.9 126.1





#35

Methylcyclohexane

Concen: 0.724 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU027700.D

Acq: 18 Oct 2018 15:39

Instrument :

MSVOA_U

ClientSampleId :

C0JB3DL

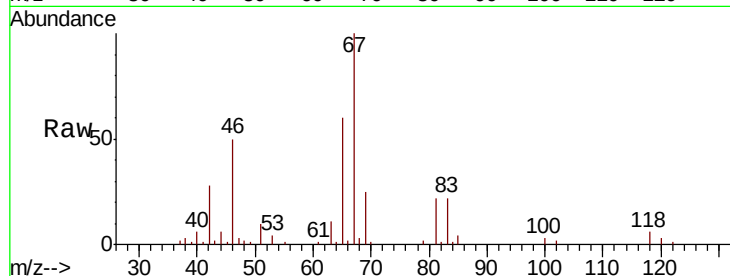
Tgt Ion: 83 Resp: 7383

Ion Ratio Lower Upper

83 100

55 2.3 69.0 103.4#

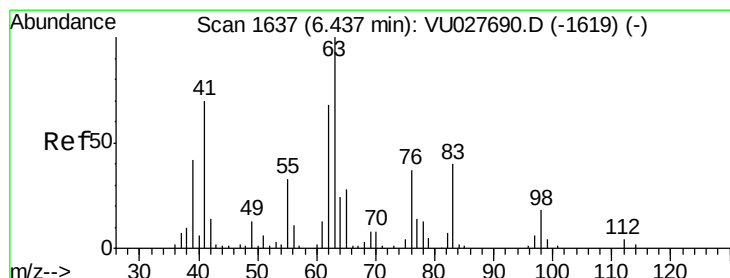
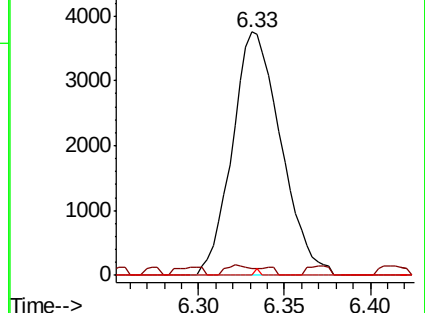
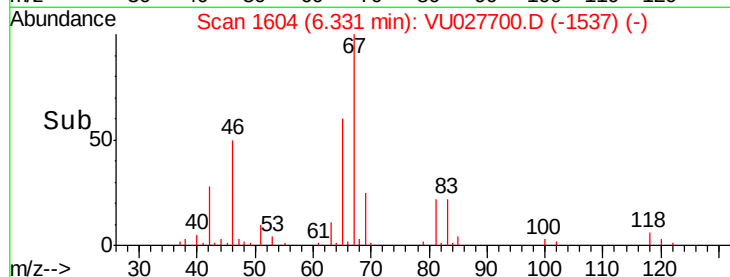
98 0.0 35.4 53.2#



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: 0.535 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU027700.D

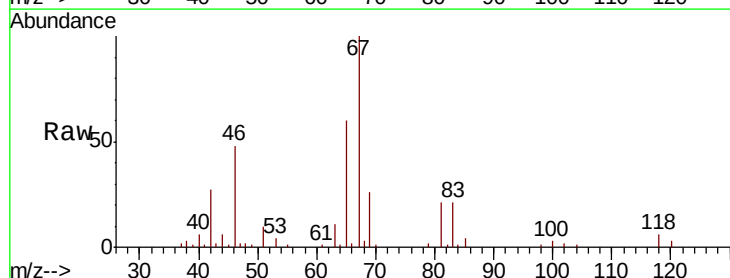
Acq: 18 Oct 2018 15:39

Tgt Ion: 63 Resp: 3513

Ion Ratio Lower Upper

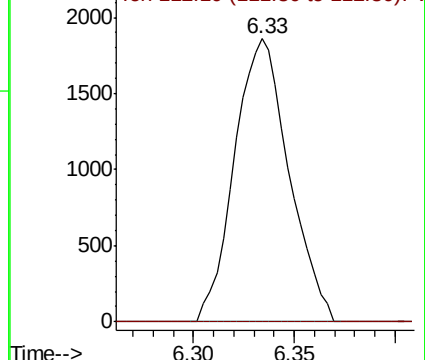
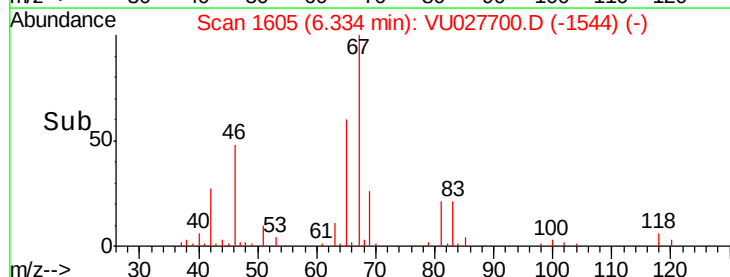
63 100

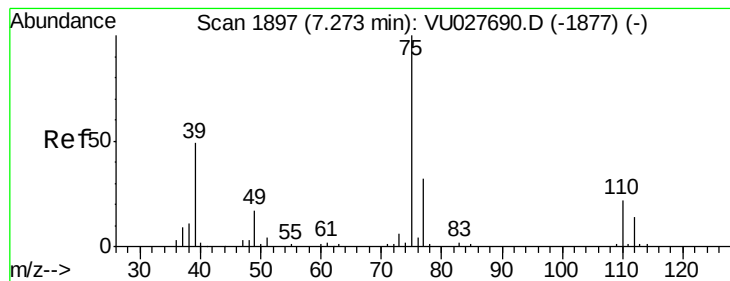
112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



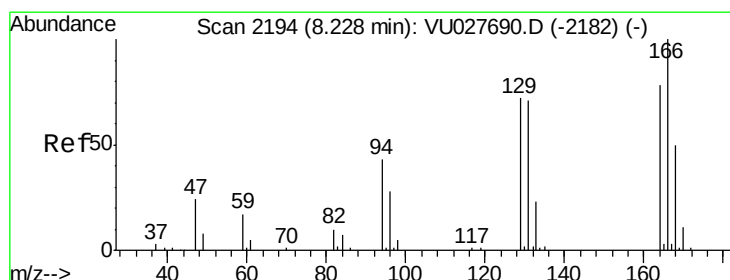
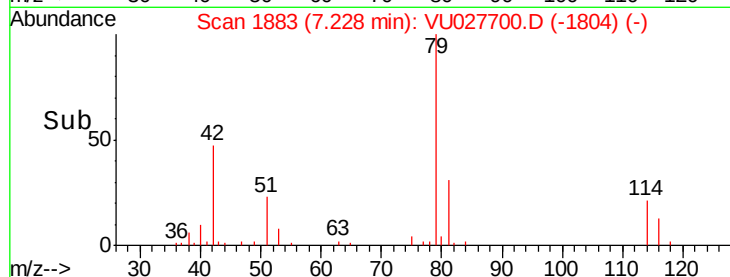
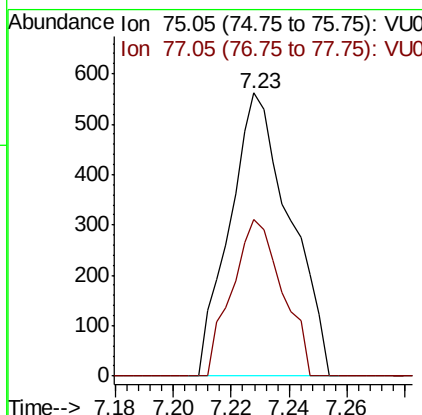
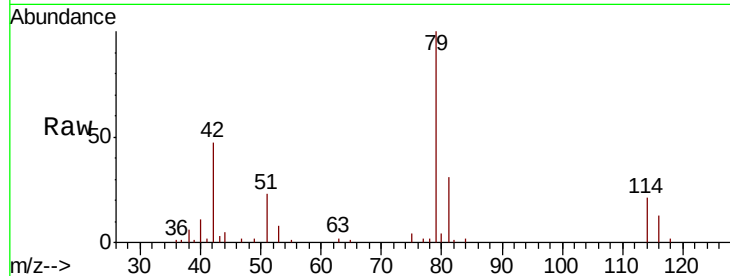


#39

cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3DL

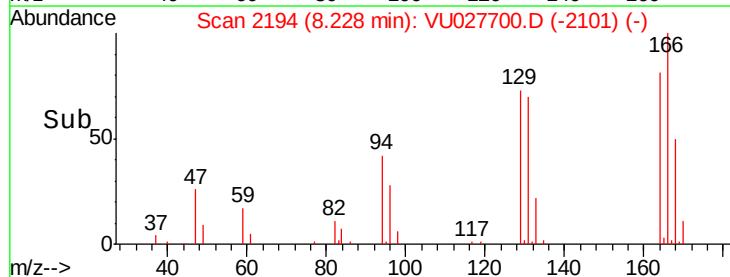
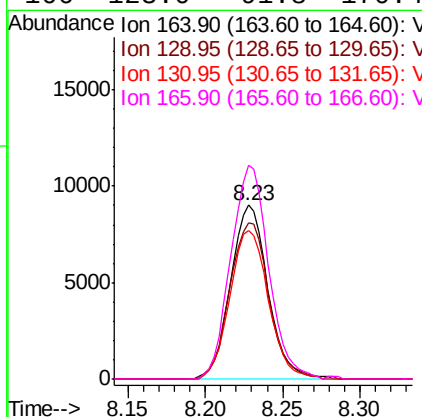
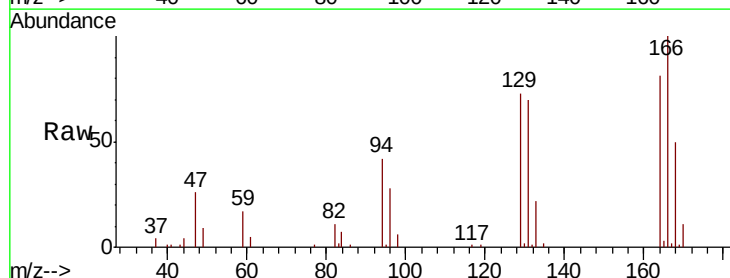
Tgt Ion: 75 Resp: 809
 Ion Ratio Lower Upper
 75 100
 77 55.5 22.2 41.2#

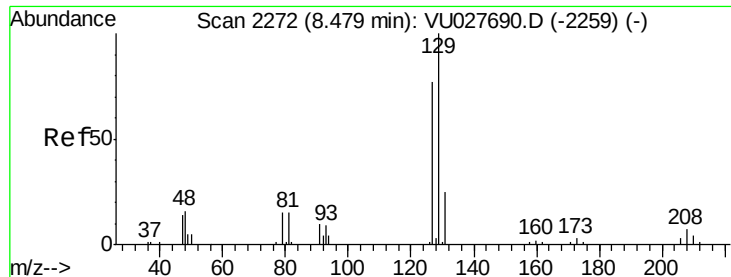


#47

Tetrachloroethene
 Concen: 3.187 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Tgt Ion: 164 Resp: 15048
 Ion Ratio Lower Upper
 164 100
 129 90.2 67.3 124.9
 131 85.8 64.8 120.3
 166 123.0 91.8 170.4

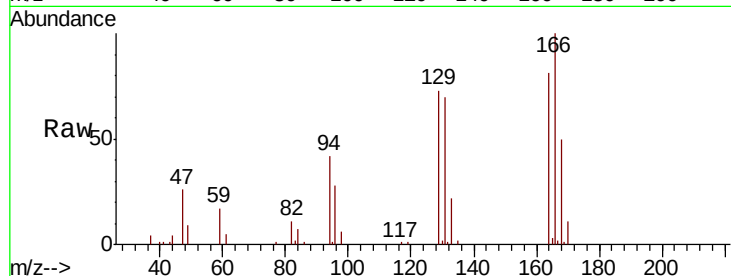




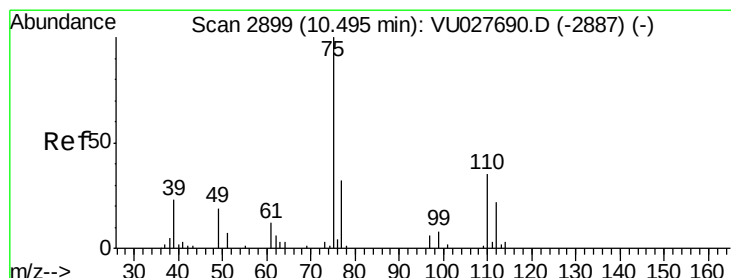
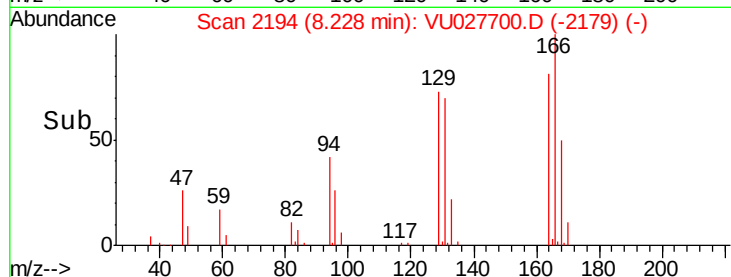
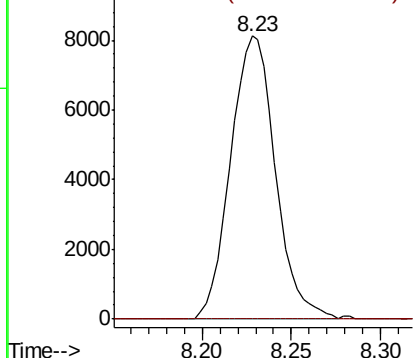
#49
 Dibromochloromethane
 Concen: 2.713 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3DL

Tgt Ion: 129 Resp: 14225
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.1 100.5#

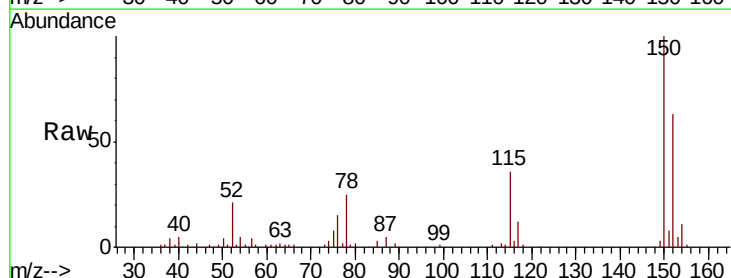


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.118 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU027700.D
 Acq: 18 Oct 2018 15:39

Tgt Ion: 75 Resp: 4214
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

