

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102218\
 Data File : VU027735.D
 Acq On : 22 Oct 2018 12:12
 Operator : MD/SY
 Sample : J5589-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0T22

Quant Time: Oct 23 08:51:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 23 08:01:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	100275	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	93496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	41437	50.00	ug/L	0.00

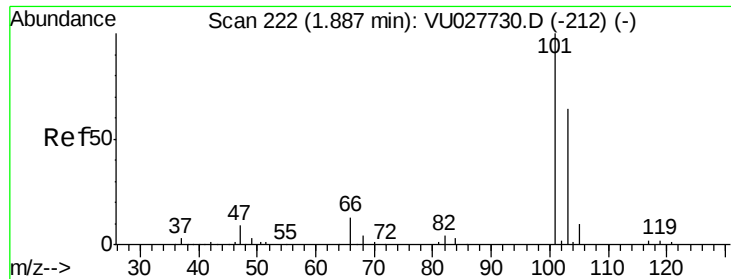
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44047	56.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.92%
7) Chloroethane-d5	1.68	69	34304	57.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.22%
11) 1,1-Dichloroethene-d2	2.27	63	62534	44.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.00%
21) 2-Butanone-d5	4.18	46	76282	114.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.73%
24) Chloroform-d	4.65	84	77192	55.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.08%
26) 1,2-Dichloroethane-d4	5.31	65	56228	57.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.78%
32) Benzene-d6	5.34	84	154830	58.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.30%
36) 1,2-Dichloropropane-d6	6.33	67	55629	58.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.04%
41) Toluene-d8	7.57	98	142458	58.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.00%
43) trans-1,3-Dichloropropene-	7.85	79	26237	56.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.66%
47) 2-Hexanone-d5	8.31	63	57129	117.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	69699	56.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	50322	59.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	118.58%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Trichlorofluoromethane	1.89	101	7978	7.312	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	518	0.867	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	473	0.847	ug/L #	1
13) Acetone	2.32	43	2430	5.247	ug/L	89
20) cis-1,2-Dichloroethene	4.23	96	1374	1.879	ug/L	94
33) Benzene	5.34	78	1255	0.451	ug/L	100
34) Trichloroethene	6.19	95	50716	72.835	ug/L	97
35) Methylcyclohexane	6.33	83	12134	10.076	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	6025	7.331	ug/L #	90
40) 4-Methyl-2-pentanone	7.39	43	1228	0.930	ug/L #	47
46) Tetrachloroethene	8.23	164	18837	35.030	ug/L	99
49) Dibromochloromethane	8.23	129	17399	21.631	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	5532	5.696	ug/L	96

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



#9

Trichlorofluoromethane

Concen: 7.312 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027735.D

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Instrument :

MSVOA_U

ClientSampleId :

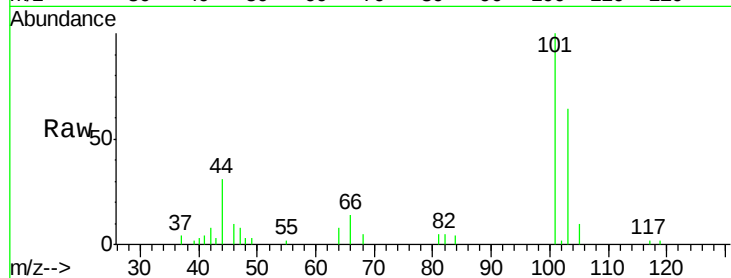
C0T22

Tgt Ion:101 Resp: 7978

Ion Ratio Lower Upper

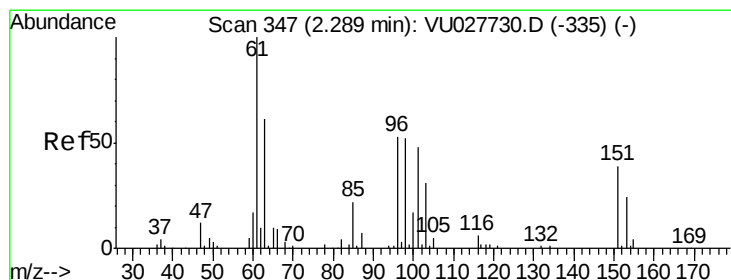
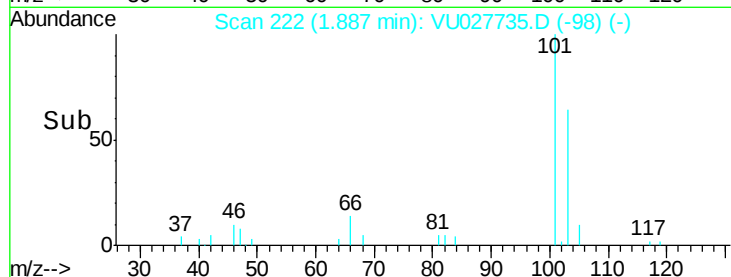
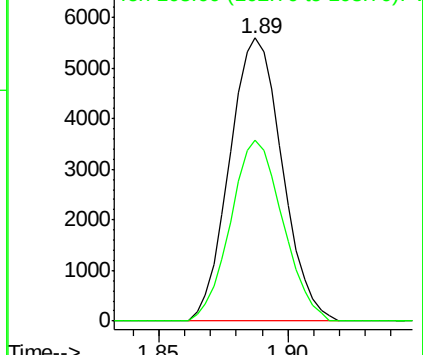
101 100

103 63.3 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

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

Concen: 0.867 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU027735.D

Acq: 22 Oct 2018 12:12

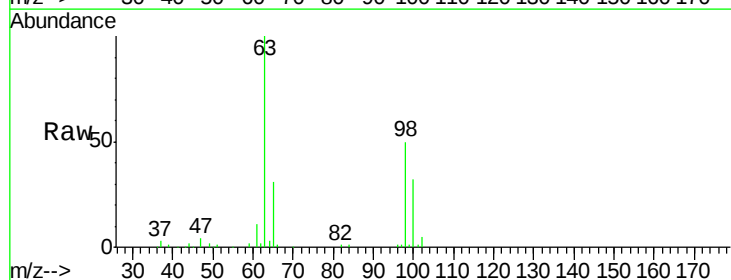
Tgt Ion:101 Resp: 518

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

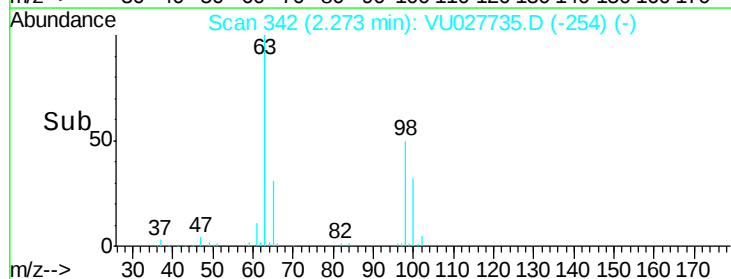
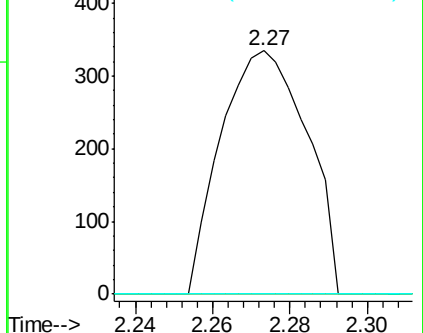
151 0.0 62.0 93.0#

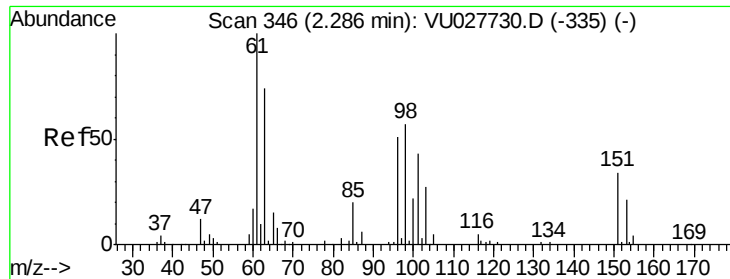


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.847 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU027735.D

Acq: 22 Oct 2018 12:12

Instrument :

MSVOA_U

ClientSampled :

C0T22

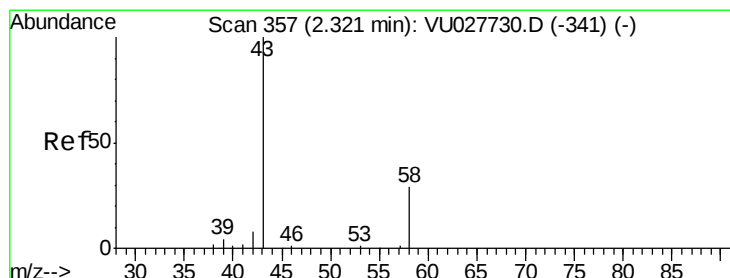
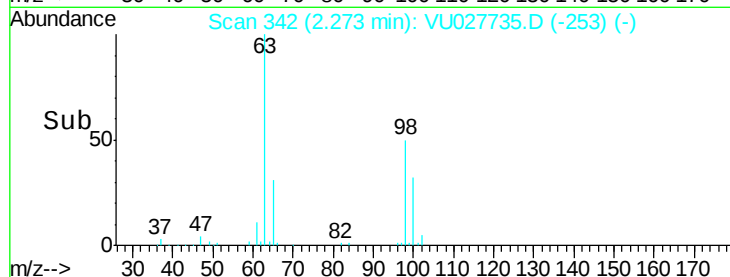
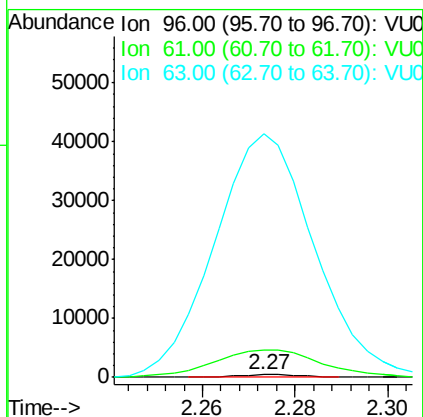
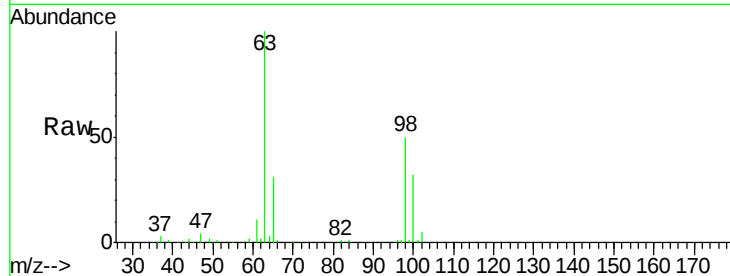
Tgt Ion: 96 Resp: 473

Ion Ratio Lower Upper

96 100

61 1072.6 137.3 255.1#

63 9375.1 109.8 204.0#



#13

Acetone

Concen: 5.247 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027735.D

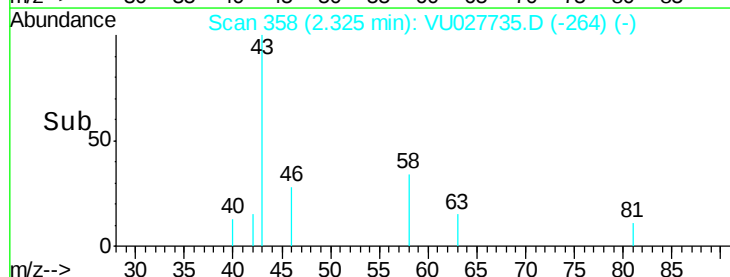
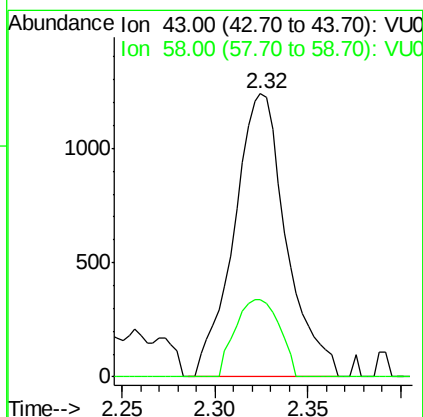
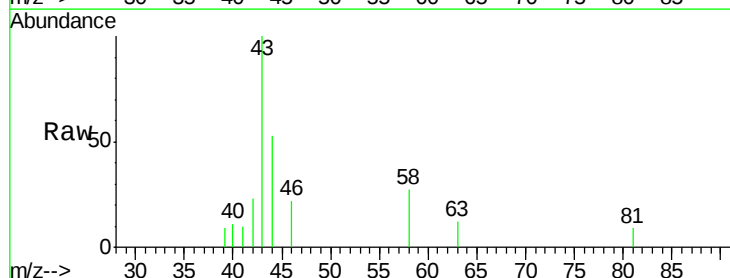
Acq: 22 Oct 2018 12:12

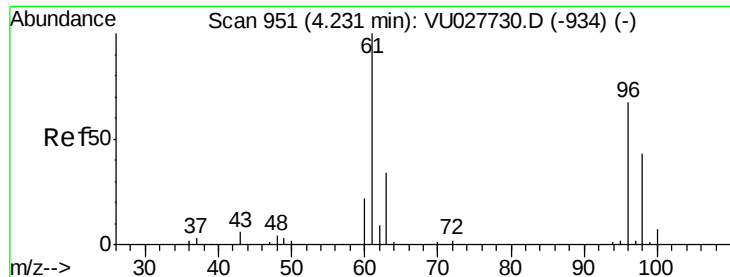
Tgt Ion: 43 Resp: 2430

Ion Ratio Lower Upper

43 100

58 23.0 0.0 57.4

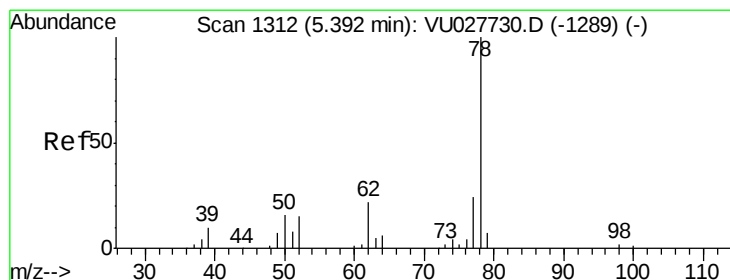
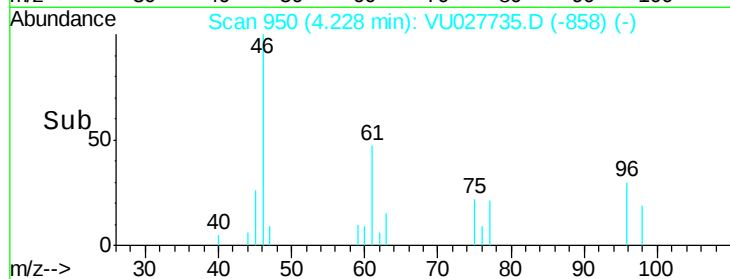
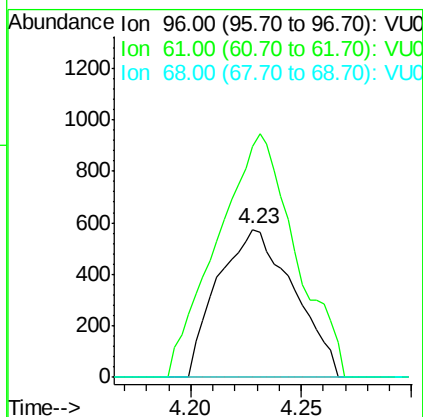
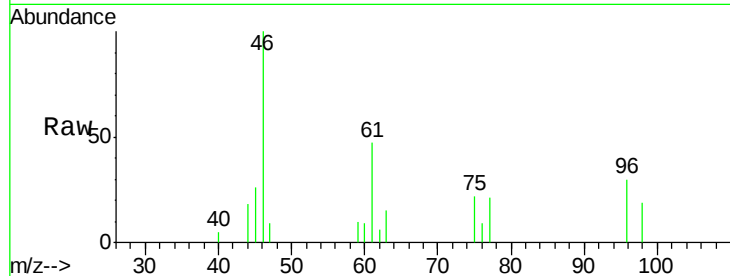




#20
 cis-1,2-Dichloroethene
 Concen: 1.879 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027735.D
 Acq: 22 Oct 2018 12:12

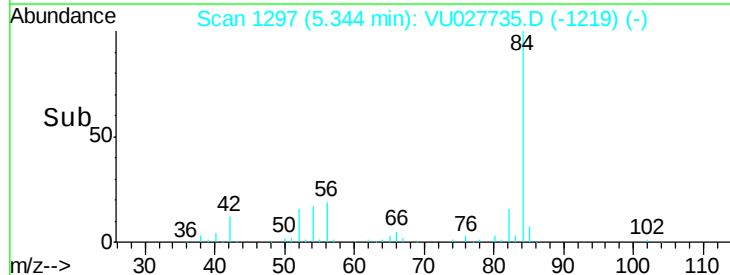
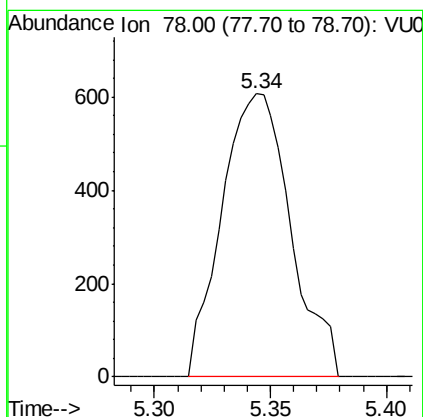
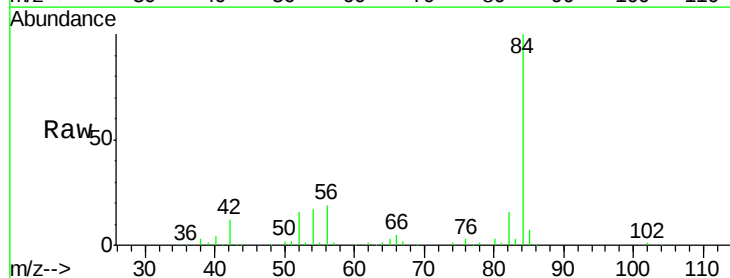
Instrument :
 MSVOA_U
 ClientSampled :
 C0T22

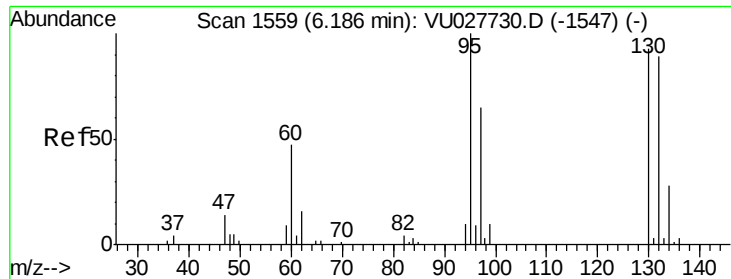
Tgt Ion: 96 Resp: 1374
 Ion Ratio Lower Upper
 96 100
 61 156.2 104.2 193.4
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.451 ug/L
 RT: 5.34 min Scan# 1297
 Delta R.T. -0.05 min
 Lab File: VU027735.D
 Acq: 22 Oct 2018 12:12

Tgt Ion: 78 Resp: 1255





#34

Trichloroethene

Concen: 72.835 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027735.D

Acq: 22 Oct 2018 12:12

Instrument :

MSVOA_U

ClientSampleId :

C0T22

Tgt Ion: 95 Resp: 50716

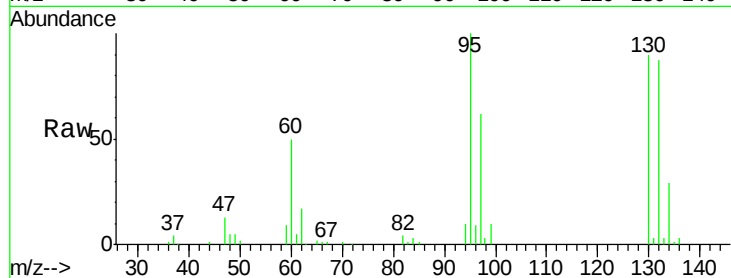
Ion Ratio Lower Upper

95 100

97 62.2 45.8 85.2

132 86.8 62.1 115.3

130 90.4 65.0 120.6

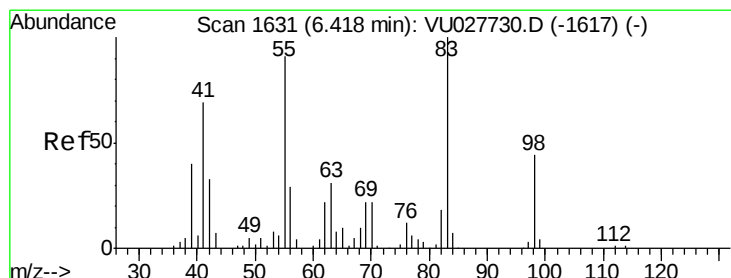
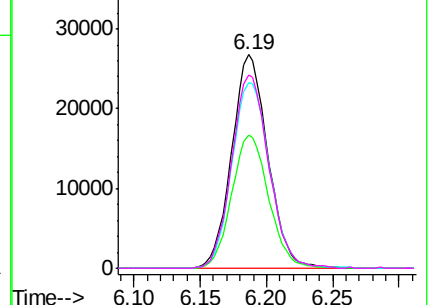
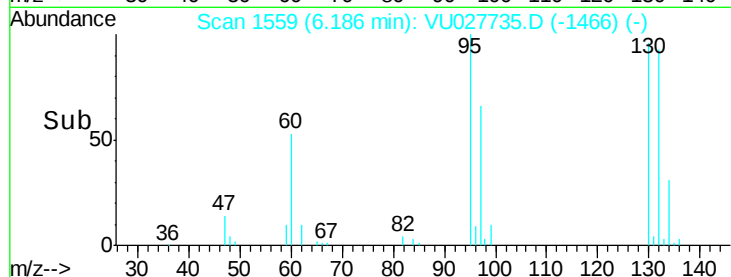


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 10.076 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU027735.D

Acq: 22 Oct 2018 12:12

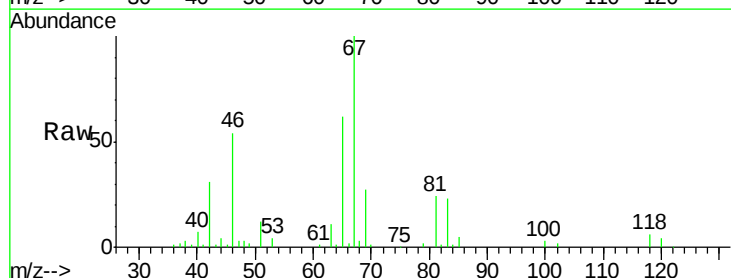
Tgt Ion: 83 Resp: 12134

Ion Ratio Lower Upper

83 100

55 0.0 71.9 107.9#

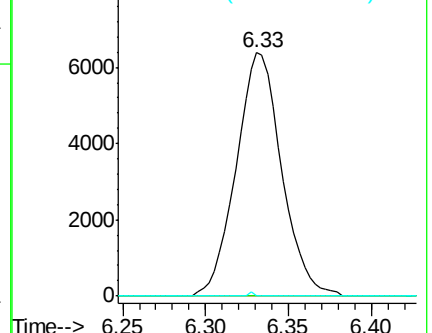
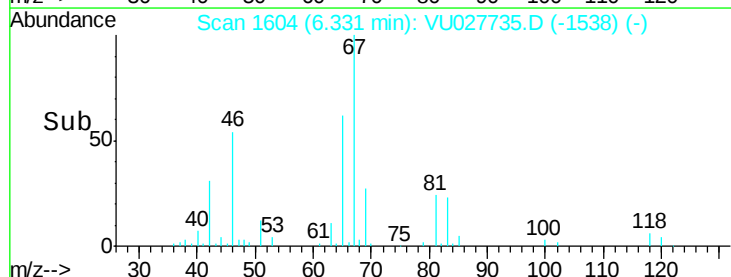
98 0.0 34.6 52.0#

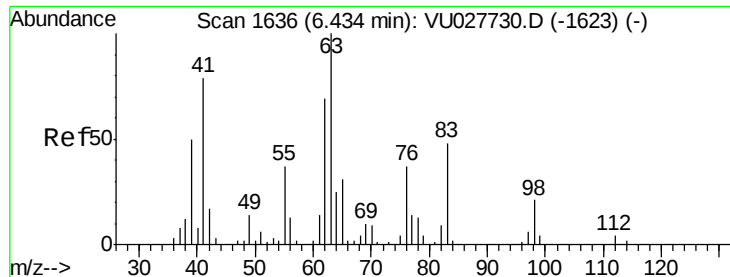


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

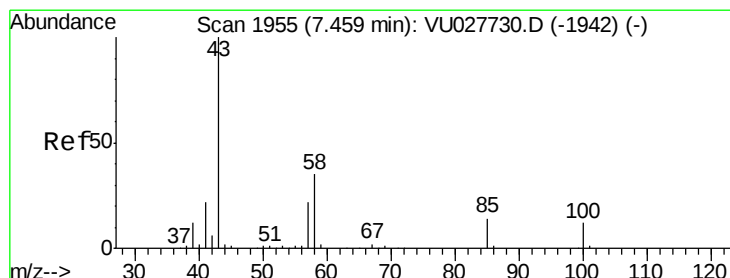
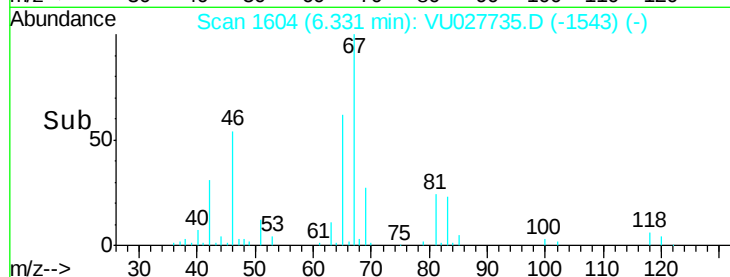
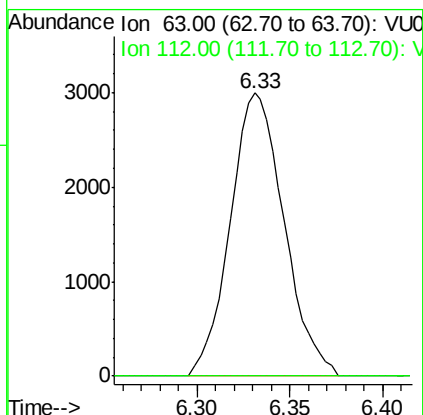
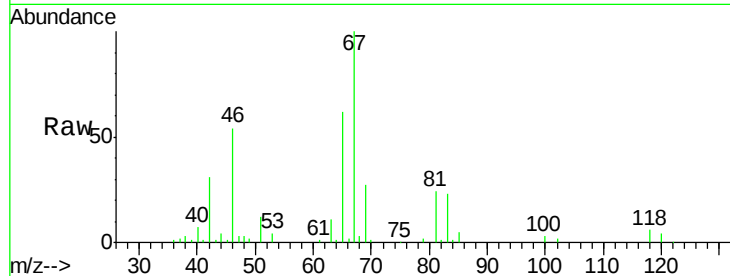




#37
 1,2-Dichloropropane
 Concen: 7.331 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU027735.D
 Acq: 22 Oct 2018 12:12

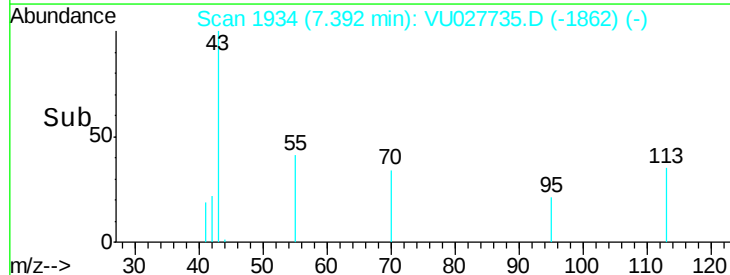
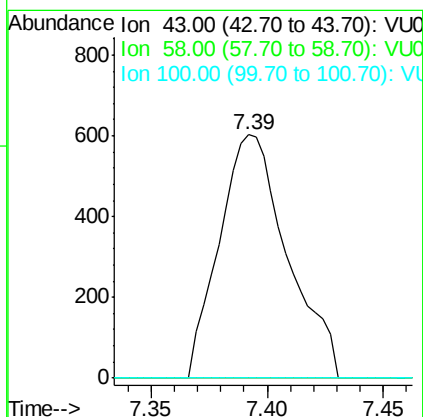
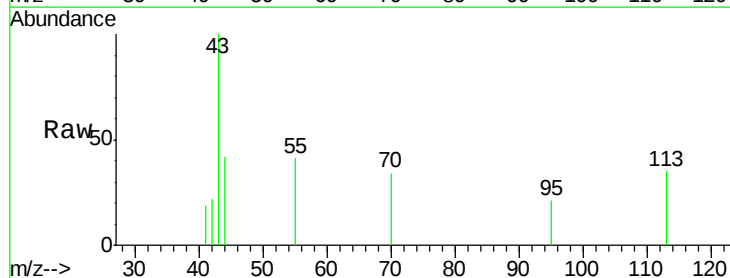
Instrument :
 MSVOA_U
 ClientSampled :
 C0T22

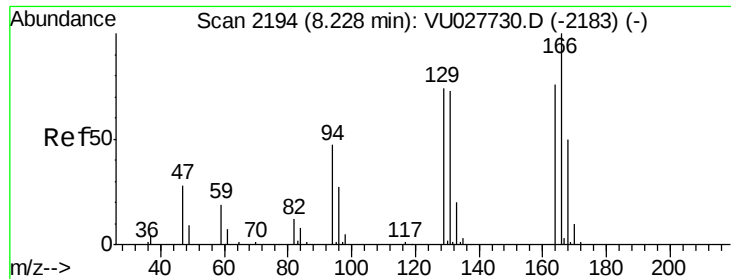
Tgt Ion: 63 Resp: 6025
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#40
 4-Methyl-2-pentanone
 Concen: 0.930 ug/L
 RT: 7.39 min Scan# 1934
 Delta R.T. -0.07 min
 Lab File: VU027735.D
 Acq: 22 Oct 2018 12:12

Tgt Ion: 43 Resp: 1228
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.3 42.5#
 100 0.0 9.1 13.7#

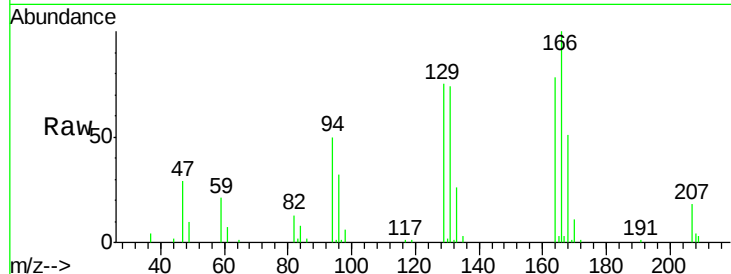




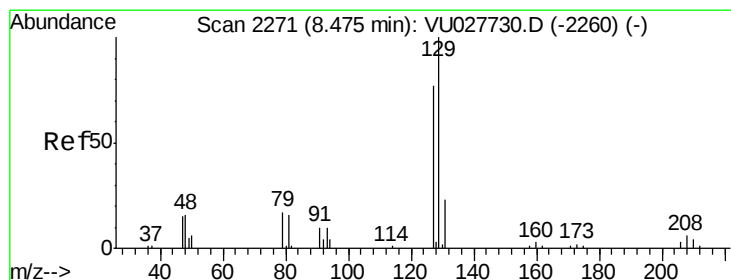
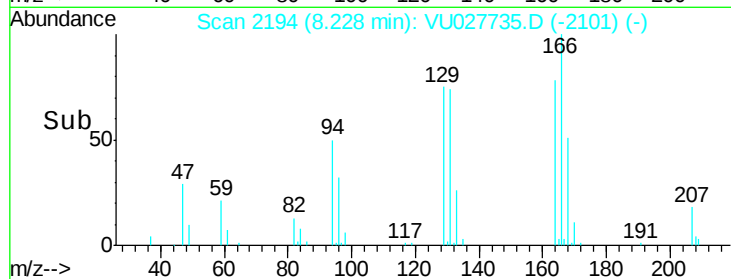
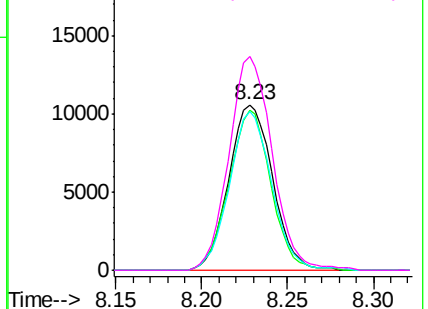
#46
Tetrachloroethene
Concen: 35.030 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027735.D
Acq: 22 Oct 2018 12:12

Instrument :
MSVOA_U
ClientSampled :
C0T22

Tgt Ion:164 Resp: 18837
Ion Ratio Lower Upper
164 100
129 96.7 68.5 127.3
131 95.7 67.1 124.5
166 128.9 92.2 171.2

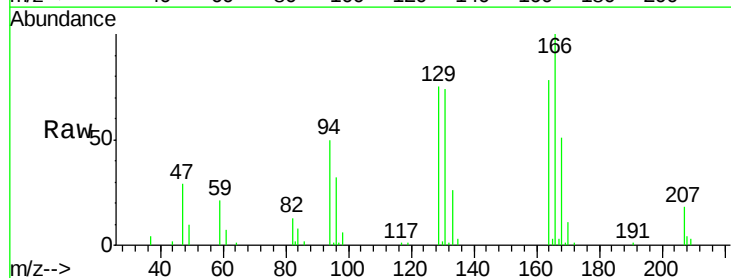


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

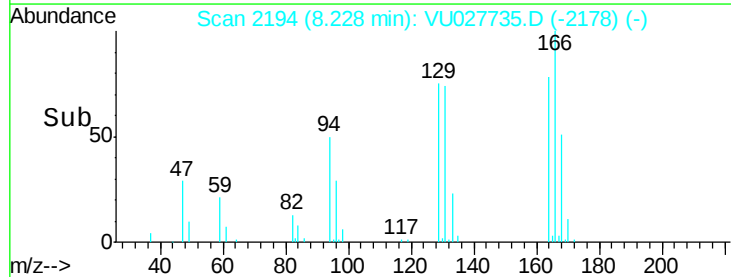
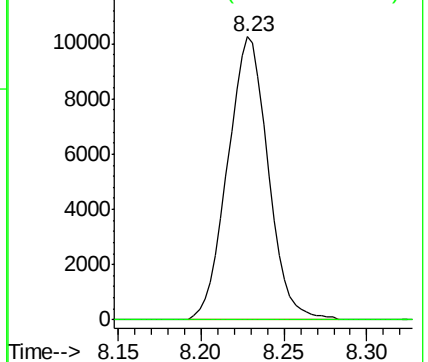


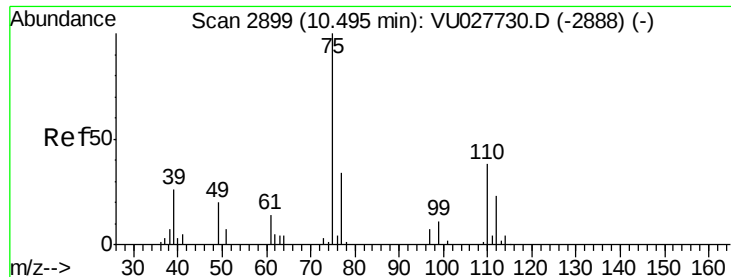
#49
Dibromochloromethane
Concen: 21.631 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027735.D
Acq: 22 Oct 2018 12:12

Tgt Ion:129 Resp: 17399
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.696 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027735.D

Acq: 22 Oct 2018 12:12

Instrument :

MSVOA_U

ClientSampleId :

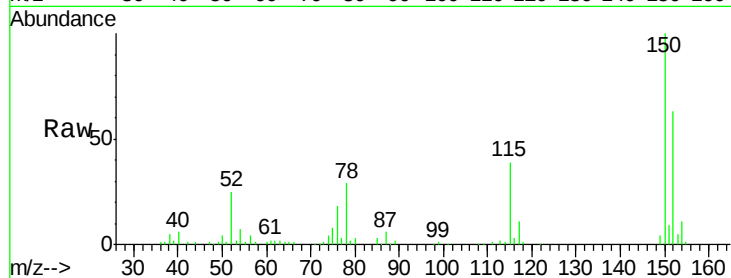
C0T22

Tgt Ion: 75 Resp: 5532

Ion Ratio Lower Upper

75 100

77 35.5 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

