

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028118.D
 Acq On : 14 Nov 2018 14:04
 Operator : MD/SY
 Sample : J5944-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETH3

Quant Time: Nov 15 04:28:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 04:25:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	161109	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	148028	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67515	5.00	ug/L	0.00

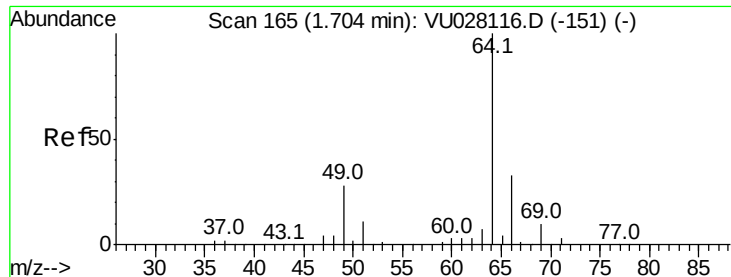
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63269	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.68	69	51109	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.28	63	91362	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	4.22	46	208951	53.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.78%
24) Chloroform-d	4.65	84	101073	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.31	65	57528	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.34	84	215254	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.33	67	77147	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.57	98	188721	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	26376	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.32	63	162101	52.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54387	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	63201	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.67	64	996	0.096	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	666	0.063	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	598	0.056	ug/L #	1
15) Methyl Acetate	2.64	43	760	0.109	ug/L #	58
16) Methylene chloride	2.71	84	9336	0.738	ug/L	90
25) Chloroform	4.67	83	3865	0.180	ug/L	93
35) Methylcyclohexane	6.33	83	15349	0.724	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	8124	0.589	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	2059	0.110	ug/L #	62
47) Tetrachloroethene	8.23	164	1164	0.116	ug/L #	70
49) Dibromochloromethane	8.22	129	1165	0.131	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9983	1.289	ug/L	98

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



#8

Chloroethane

Concen: 0.096 ug/L

RT: 1.67 min Scan# 153

Delta R.T. -0.04 min

Lab File: VU028118.D

Acq: 14 Nov 2018 14:04

Instrument :

MSVOA_U

ClientSampled :

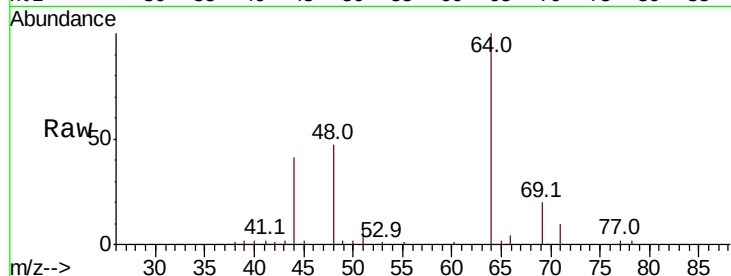
ETH3

Tot Ion: 64 Resp: 996

Ion Ratio Lower Upper

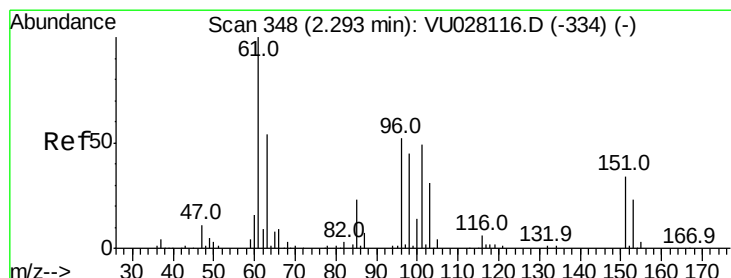
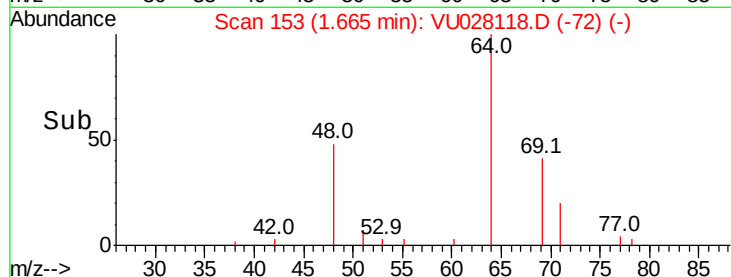
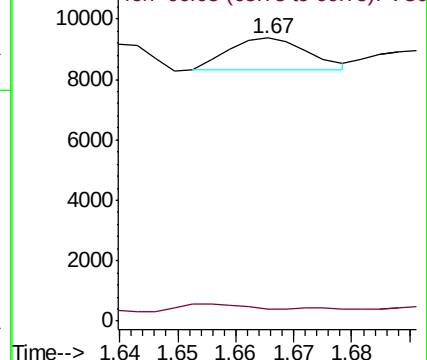
64 100

66 4.4 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.063 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028118.D

Acq: 14 Nov 2018 14:04

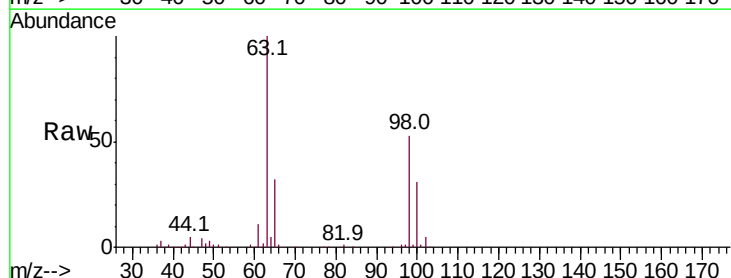
Tgt Ion:101 Resp: 666

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

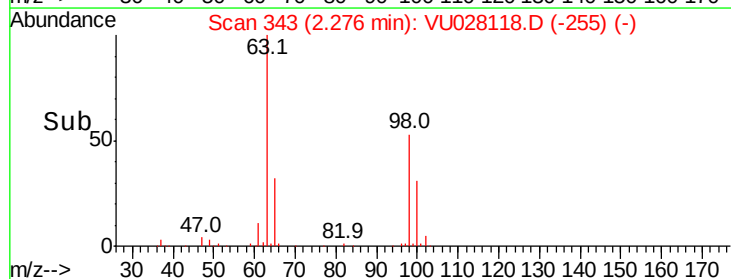
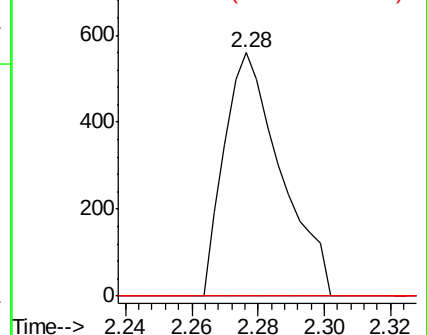
151 0.0 58.2 87.2#

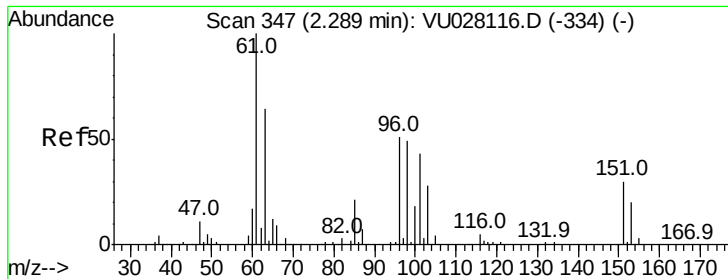


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.056 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028118.D

Acq: 14 Nov 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

ETH3

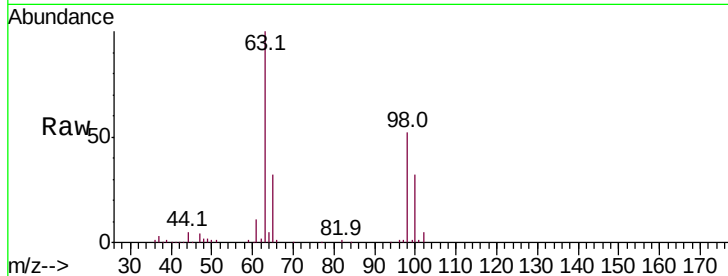
Tot Ion: 96 Resp: 598

Ion Ratio Lower Upper

96 100

61 1346.0 134.8 250.3#

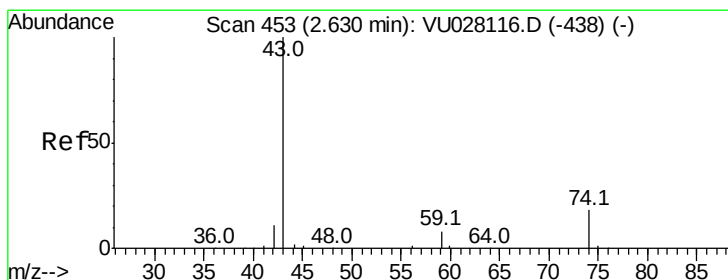
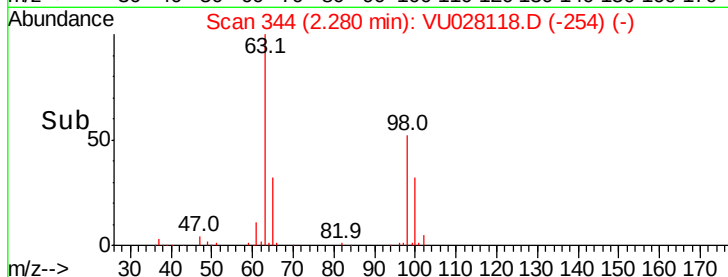
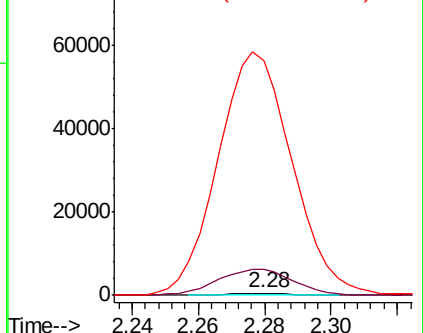
63 12200.4 100.1 185.9#



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



#15

Methyl Acetate

Concen: 0.109 ug/L

RT: 2.64 min Scan# 456

Delta R.T. 0.01 min

Lab File: VU028118.D

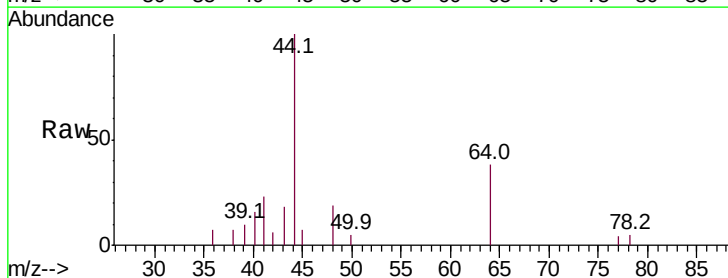
Acq: 14 Nov 2018 14:04

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

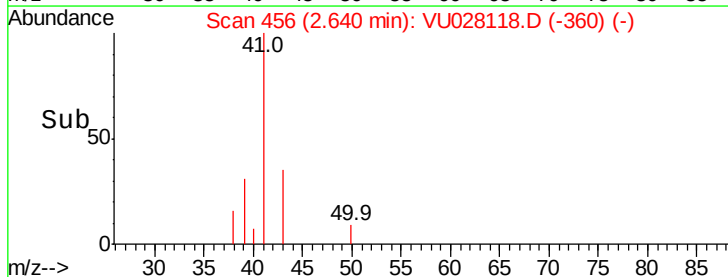
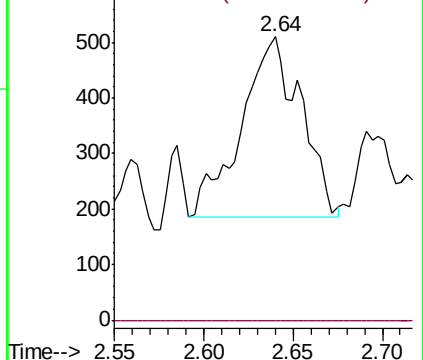
43 100

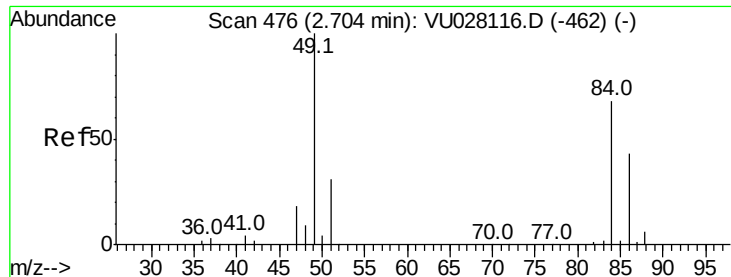
74 0.0 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

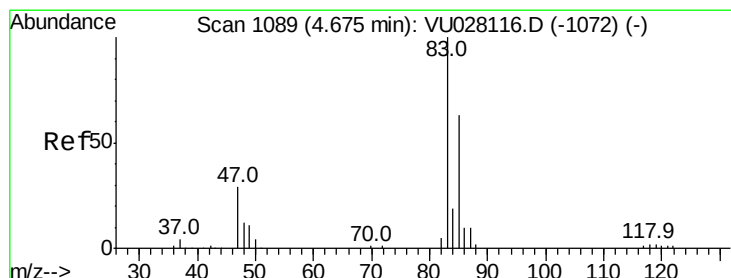
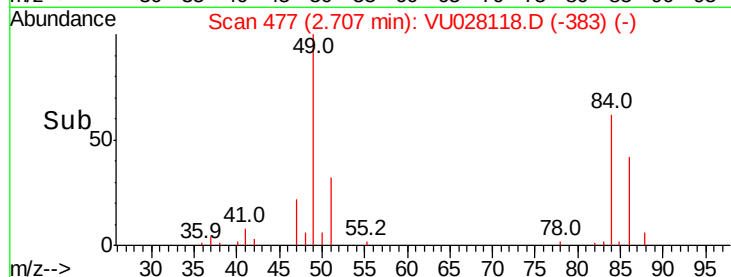
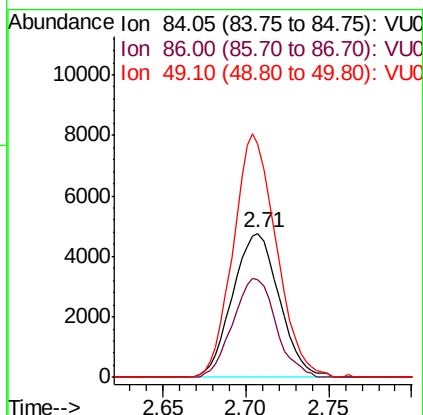
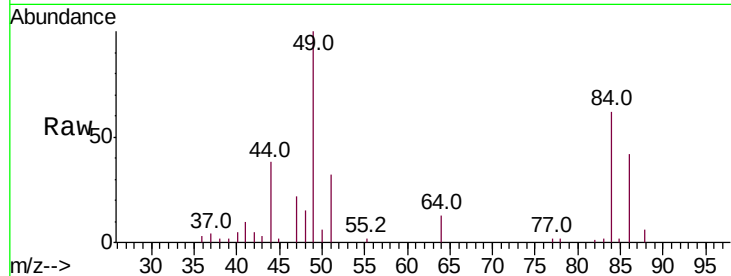




#16
Methvlene chloride
Concen: 0.738 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU028118.D
Acq: 14 Nov 2018 14:04

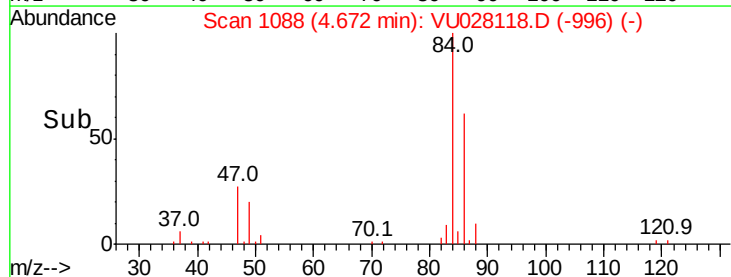
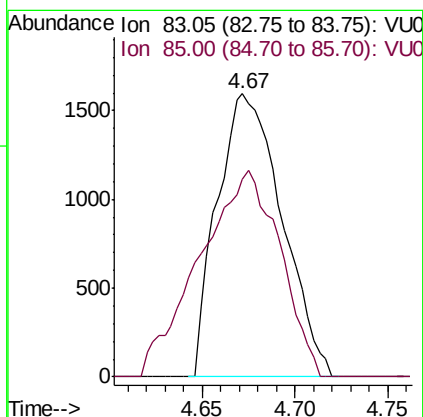
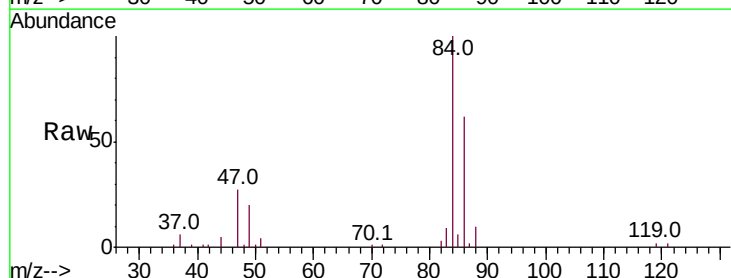
Instrument :
MSVOA_U
ClientSampleId :
ETH3

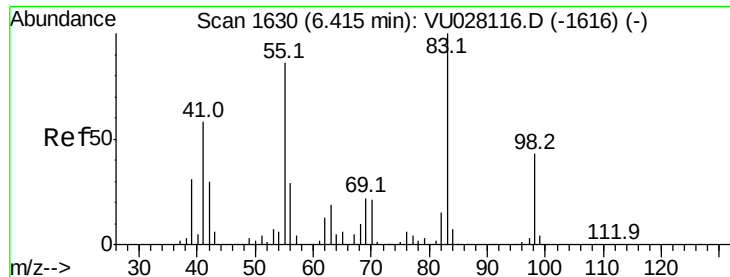
Tot Ion: 84 Resp: 9336
Ion Ratio Lower Upper
84 100
86 68.1 44.6 82.8
49 161.6 102.5 190.3



#25
Chloroform
Concen: 0.180 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028118.D
Acq: 14 Nov 2018 14:04

Tgt Ion: 83 Resp: 3865
Ion Ratio Lower Upper
83 100
85 69.8 45.0 83.6

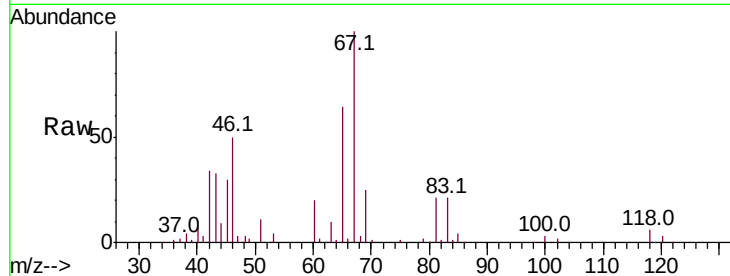




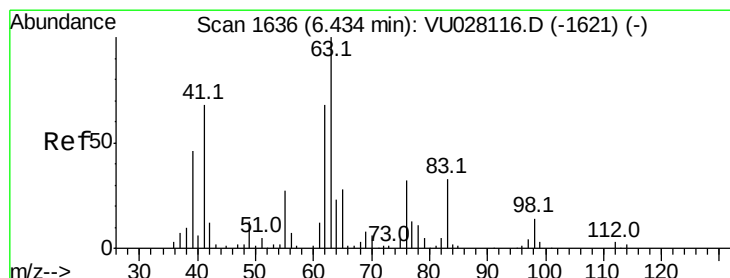
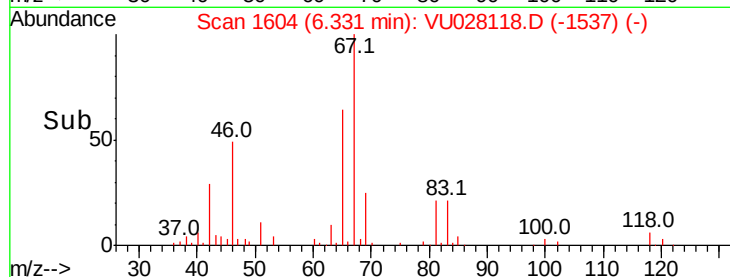
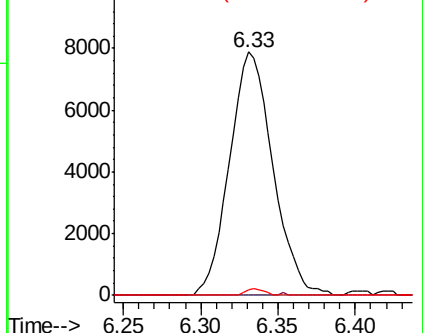
#35
Methylcyclohexane
Concen: 0.724 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028118.D
Acq: 14 Nov 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
ETH3

Tot Ion: 83 Resp: 15349
Ion Ratio Lower Upper
83 100
55 0.1 69.0 103.4#
98 1.2 33.3 49.9#

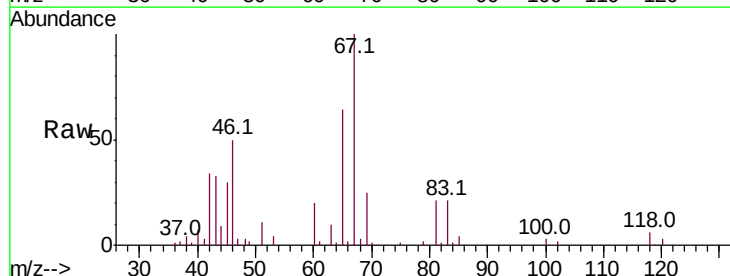


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

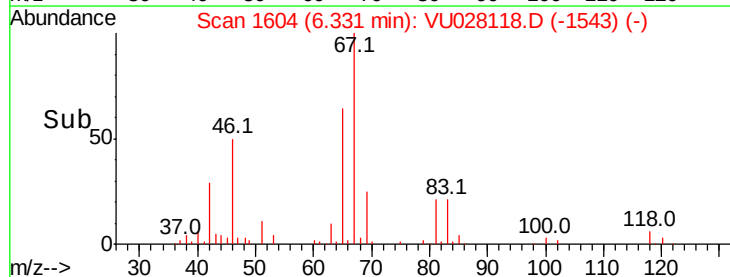
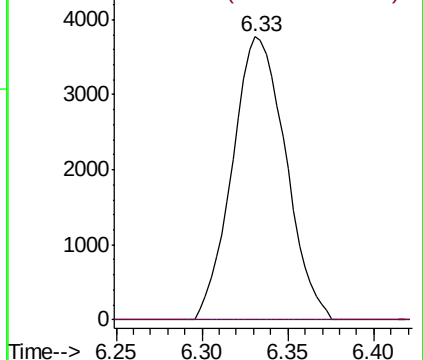


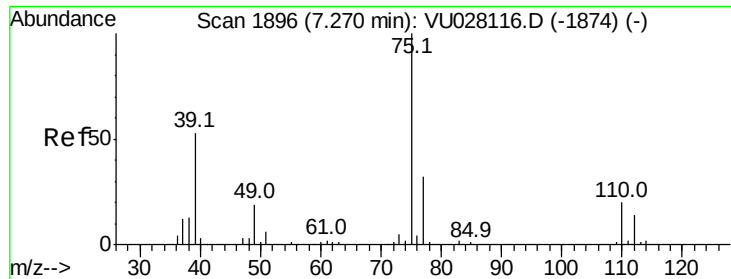
#37
1,2-Dichloropropane
Concen: 0.589 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU028118.D
Acq: 14 Nov 2018 14:04

Tgt Ion: 63 Resp: 8124
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: 0.110 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU028118.D

Acq: 14 Nov 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

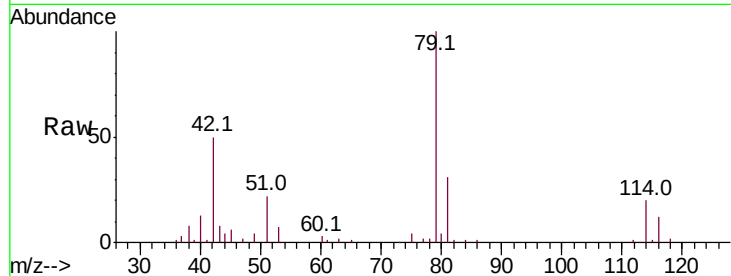
ETH3

Tot Ion: 75 Resp: 2059

Ion Ratio Lower Upper

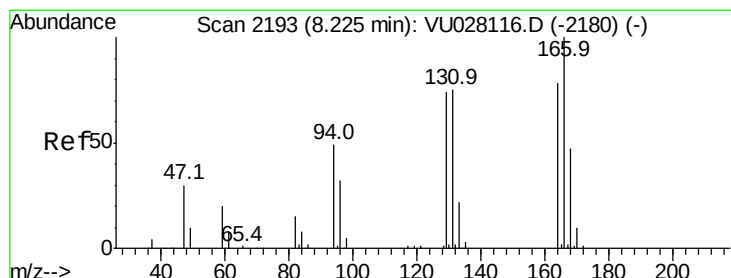
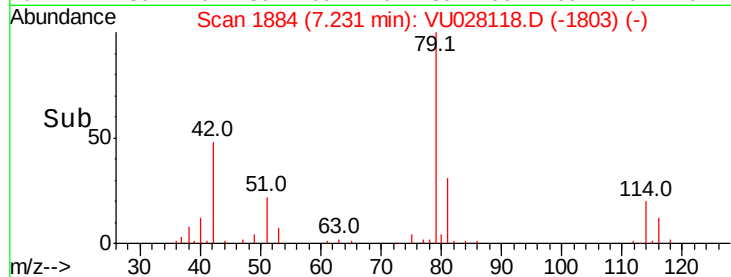
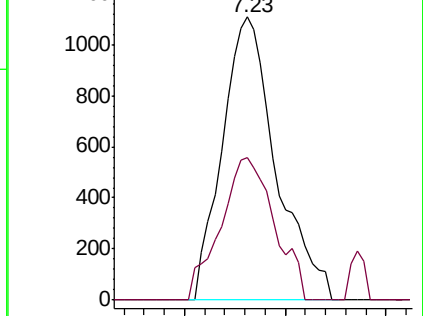
75 100

77 50.3 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.116 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU028118.D

Acq: 14 Nov 2018 14:04

Tgt Ion: 164 Resp: 1164

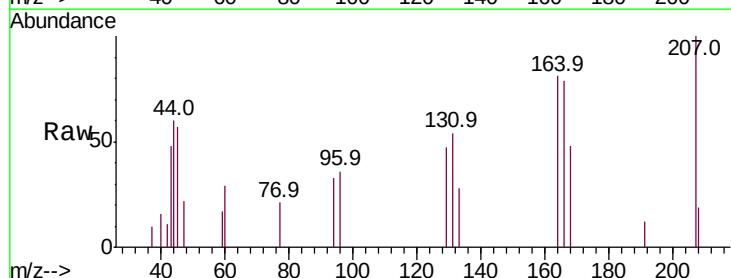
Ion Ratio Lower Upper

164 100

129 58.0 69.7 129.4#

131 66.2 64.0 118.8

166 97.5 86.4 160.4

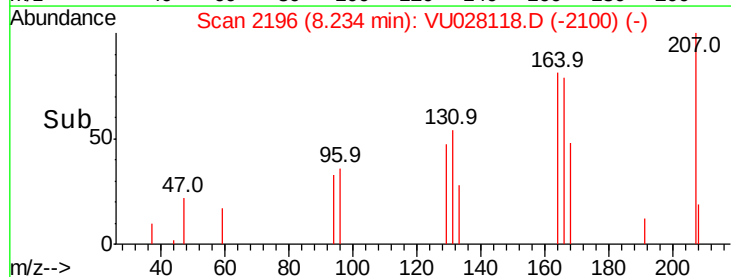
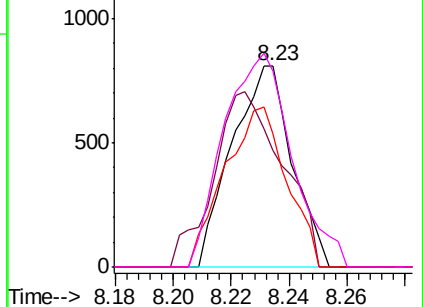


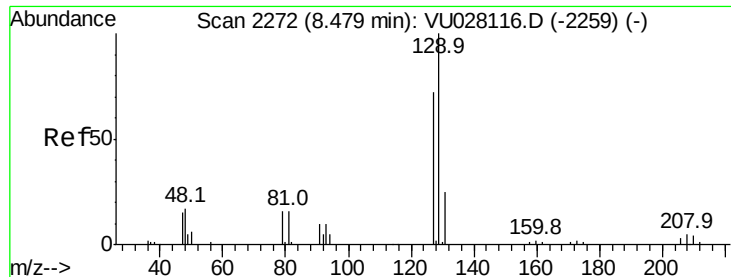
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.131 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028118.D

Acq: 14 Nov 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

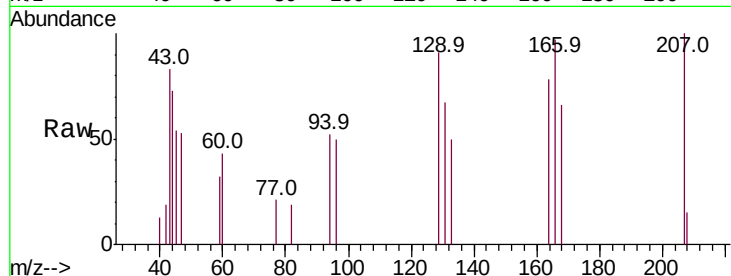
ETH3

Tot Ion:129 Resp: 1165

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

8.22

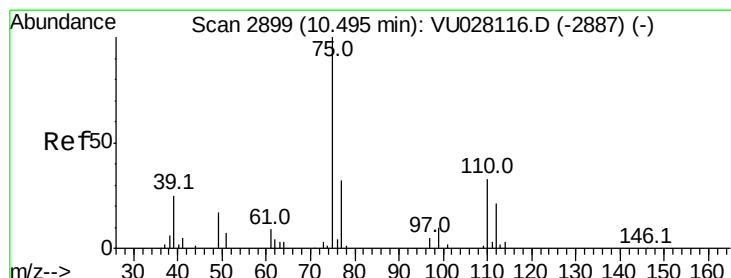
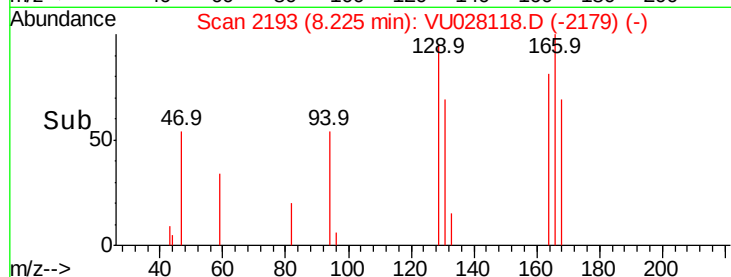
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.289 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028118.D

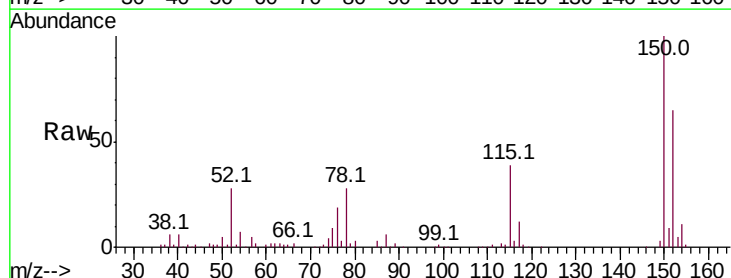
Acq: 14 Nov 2018 14:04

Tgt Ion: 75 Resp: 9983

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

6000

4000

2000

0

Time-->

