

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028119.D
 Acq On : 14 Nov 2018 14:28
 Operator : MD/SY
 Sample : J5944-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETH4

Quant Time: Nov 15 04:28:58 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	166932	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	155719	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62615	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.68	69	50815	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.28	63	88860	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.22	46	205765	51.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.44%
24) Chloroform-d	4.65	84	99658	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.31	65	58674	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.34	84	212813	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.33	67	77809	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.57	98	189761	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	25886	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.32	63	162203	49.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54051	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	62047	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

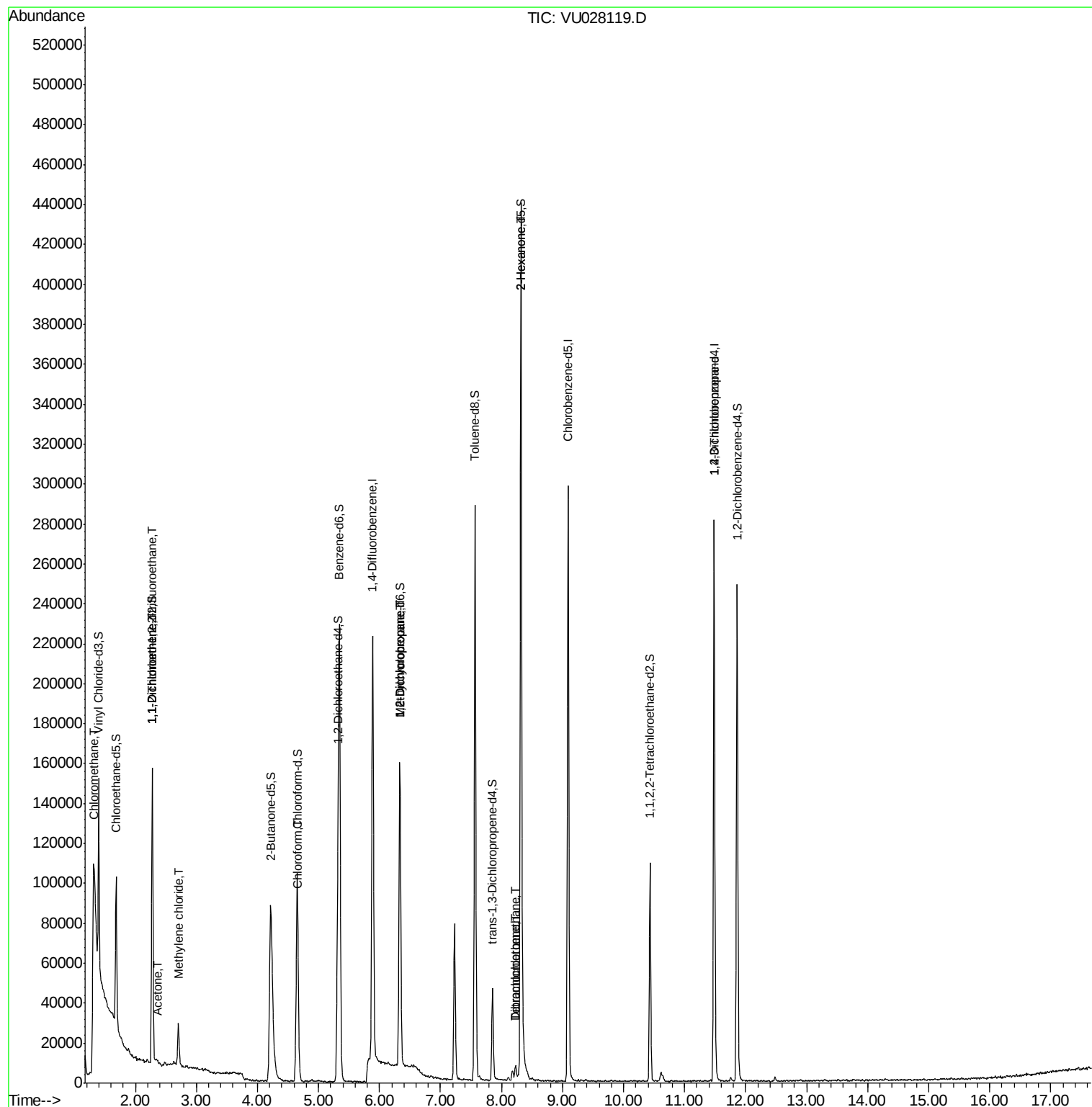
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	6155	0.327	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	648	0.059	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	624	0.056	ug/L #	1
13) Acetone	2.37	43	2460	0.909	ug/L	75
16) Methylene chloride	2.70	84	8270	0.631	ug/L	89
25) Chloroform	4.67	83	3301	0.148	ug/L	83
35) Methylcyclohexane	6.33	83	15989	0.717	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	8004	0.552	ug/L #	92
47) Tetrachloroethene	8.23	164	1320	0.125	ug/L	86
48) 2-Hexanone	8.32	43	19256	2.709	ug/L #	69
49) Dibromochloromethane	8.22	129	1385	0.149	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10278	1.261	ug/L	94

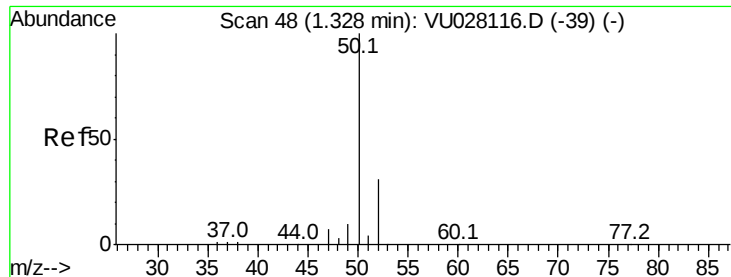
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.327 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028119.D

Acq: 14 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampled :

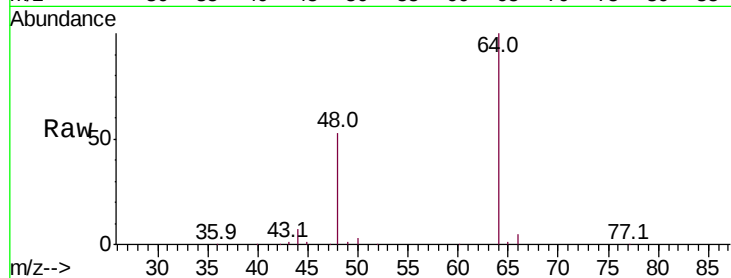
ETH4

Tot Ion: 50 Resp: 6155

Ion Ratio Lower Upper

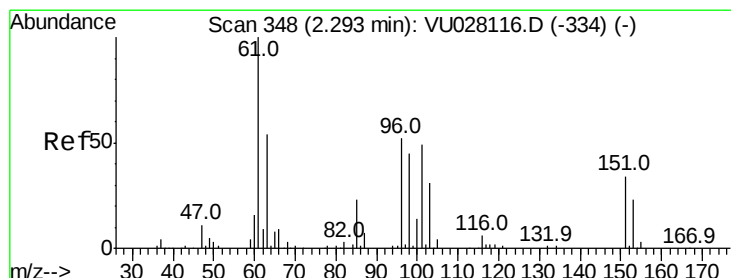
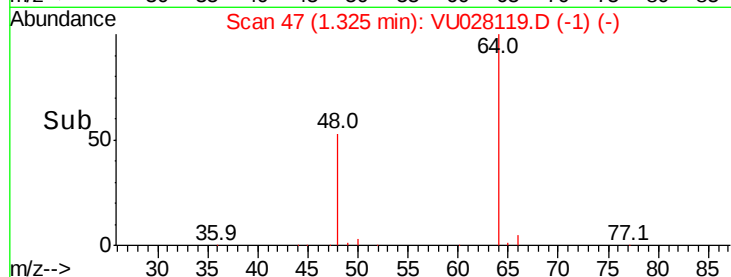
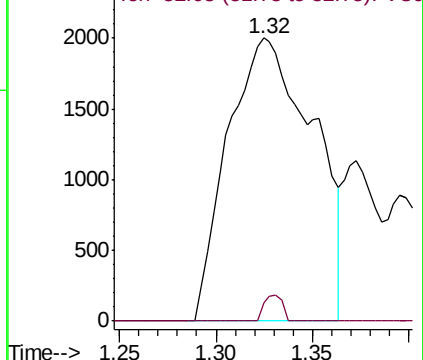
50 100

52 6.6 23.0 42.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#10

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

Concen: 0.059 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028119.D

Acq: 14 Nov 2018 14:28

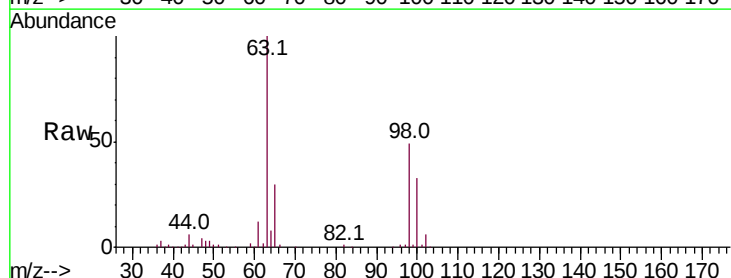
Tgt Ion: 101 Resp: 648

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

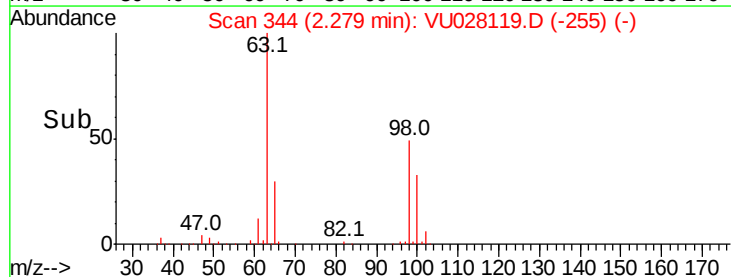
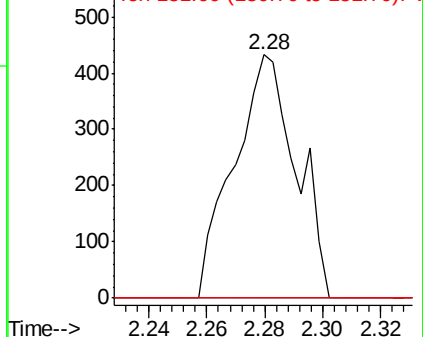
151 0.0 58.2 87.2#

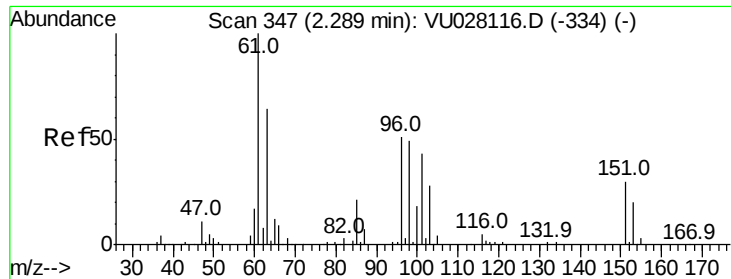


Abundance Ion 101.00 (100.70 to 101.70): V

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# 345

Delta R.T. -0.01 min

Lab File: VU028119.D

Acq: 14 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

ETH4

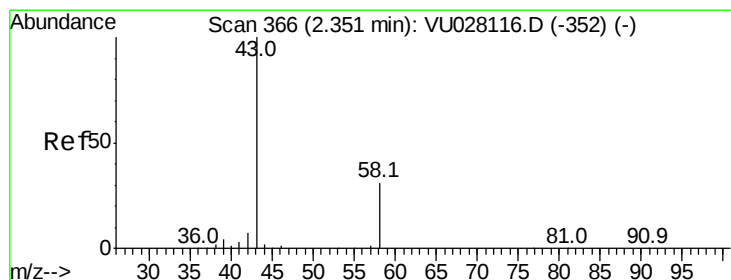
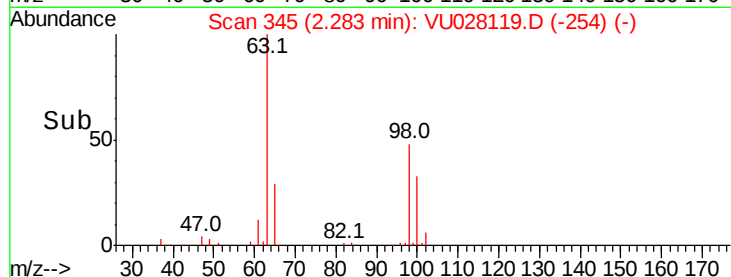
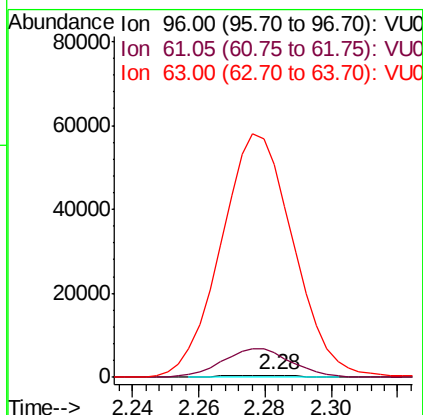
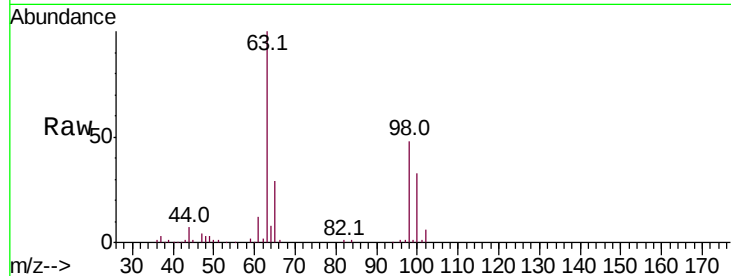
Tot Ion: 96 Resp: 624

Ion Ratio Lower Upper

96 100

61 1413.8 134.8 250.3#

63 12228.0 100.1 185.9#



#13

Acetone

Concen: 0.909 ug/L

RT: 2.37 min Scan# 371

Delta R.T. 0.02 min

Lab File: VU028119.D

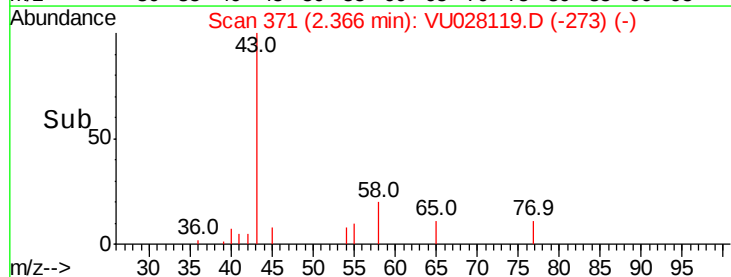
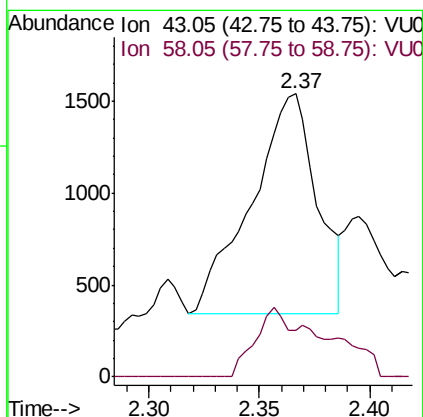
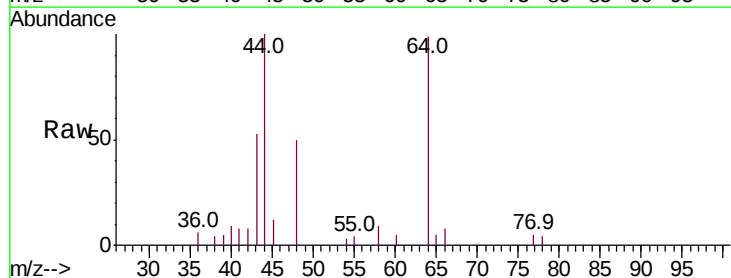
Acq: 14 Nov 2018 14:28

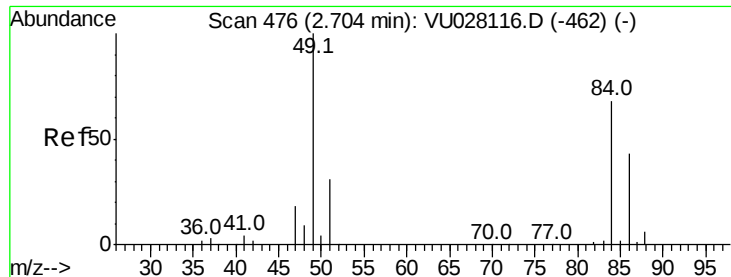
Tgt Ion: 43 Resp: 2460

Ion Ratio Lower Upper

43 100

58 17.1 0.0 61.6

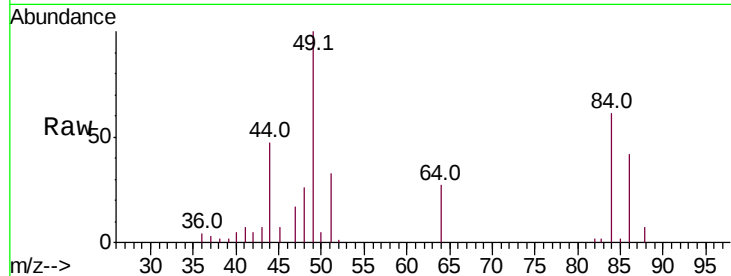




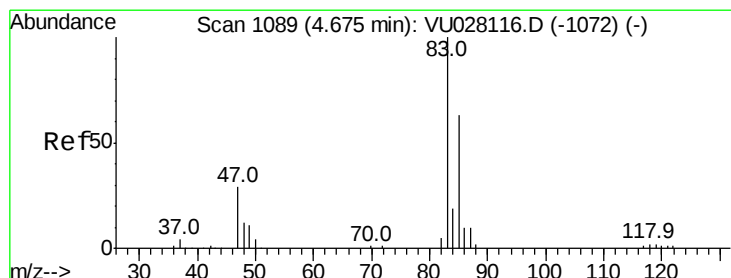
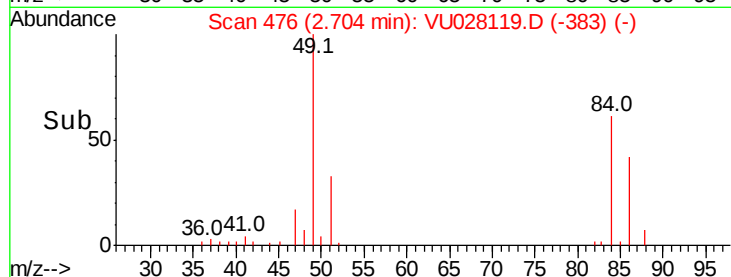
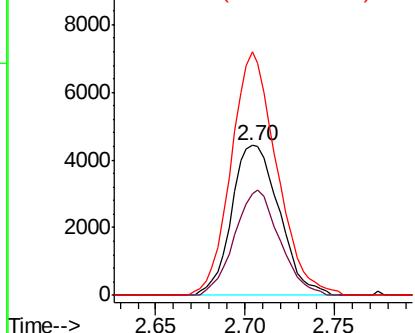
#16
Methvlene chloride
Concen: 0.631 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028119.D
Acq: 14 Nov 2018 14:28

Instrument :
MSVOA_U
ClientSampleId :
ETH4

Tot Ion: 84 Resp: 8270
Ion Ratio Lower Upper
84 100
86 67.8 44.6 82.8
49 162.6 102.5 190.3

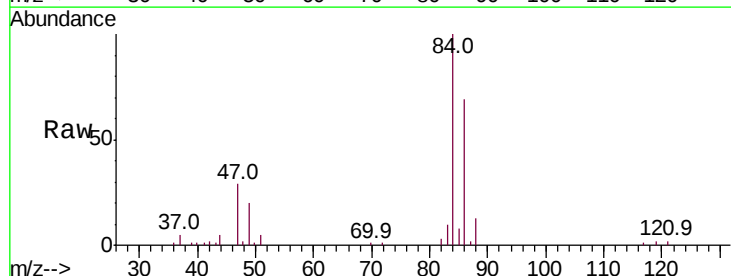


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

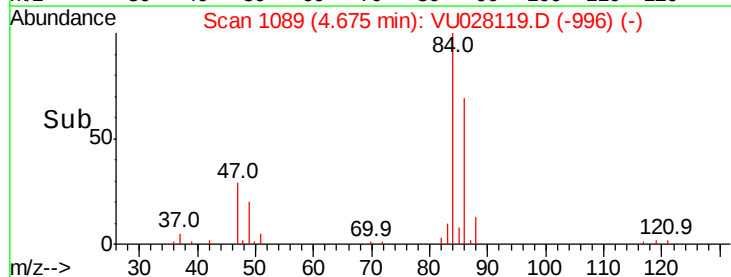
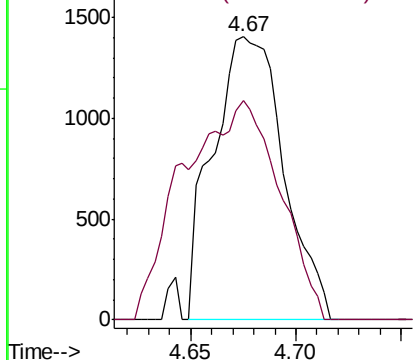


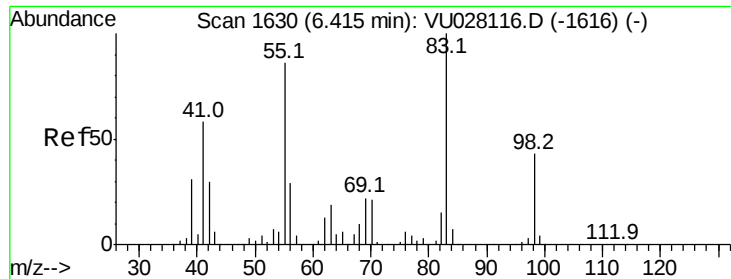
#25
Chloroform
Concen: 0.148 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028119.D
Acq: 14 Nov 2018 14:28

Tgt Ion: 83 Resp: 3301
Ion Ratio Lower Upper
83 100
85 77.4 45.0 83.6



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





#35

Methylcyclohexane

Concen: 0.717 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028119.D

Acq: 14 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampled :

ETH4

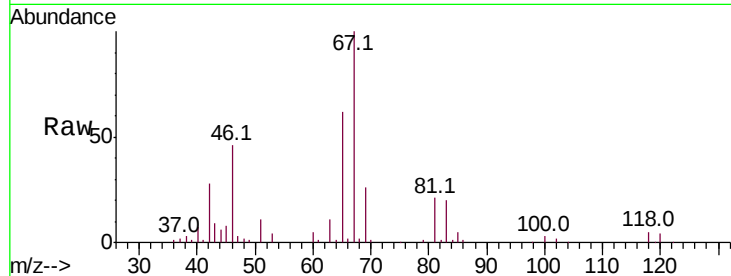
Tot Ion: 83 Resp: 15989

Ion Ratio Lower Upper

83 100

55 0.5 69.0 103.4#

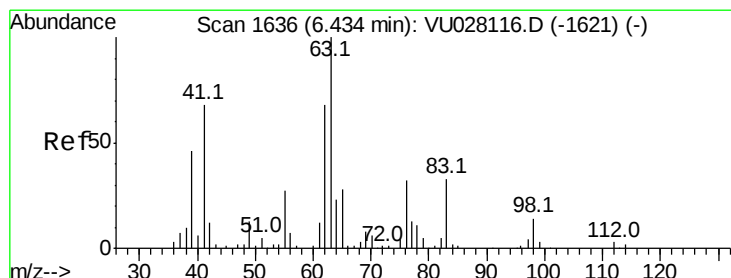
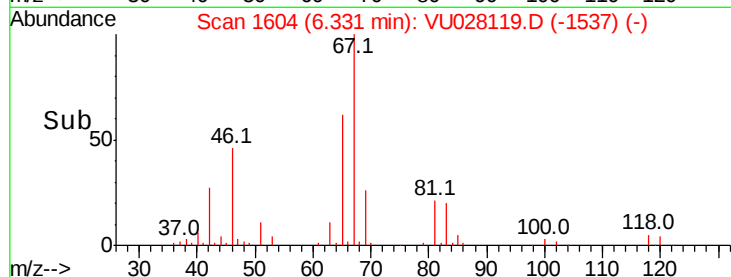
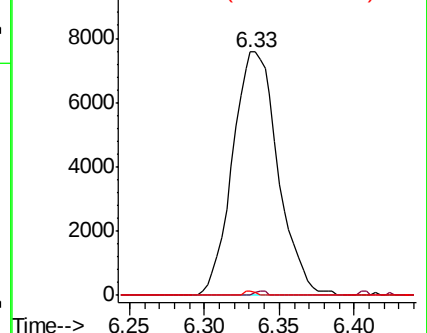
98 0.4 33.3 49.9#



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: 0.552 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028119.D

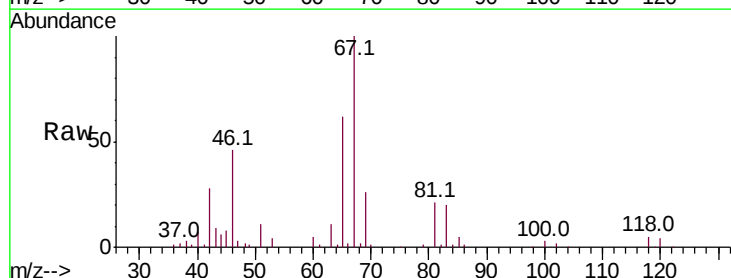
Acq: 14 Nov 2018 14:28

Tgt Ion: 63 Resp: 8004

Ion Ratio Lower Upper

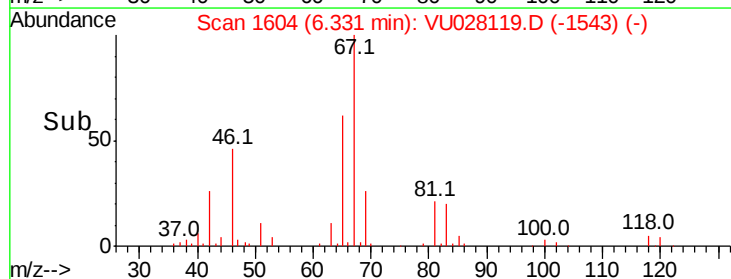
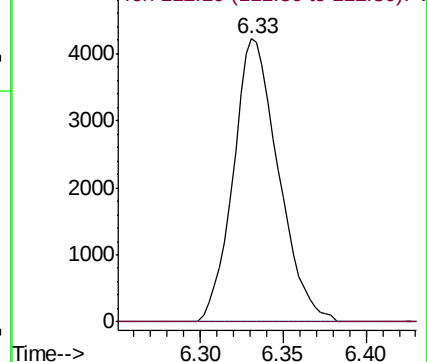
63 100

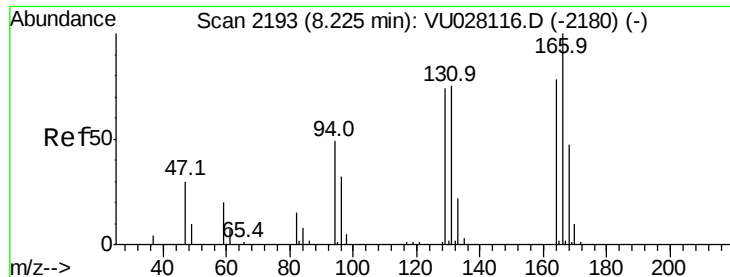
112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 0.125 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028119.D

Acq: 14 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

ETH4

Tot Ion:164 Resp: 1320

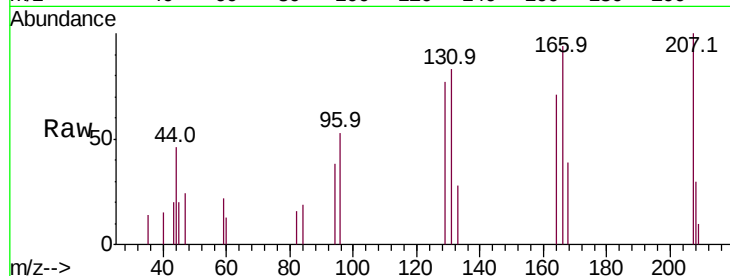
Ion Ratio Lower Upper

164 100

129 108.2 69.7 129.4

131 116.7 64.0 118.8

166 132.4 86.4 160.4



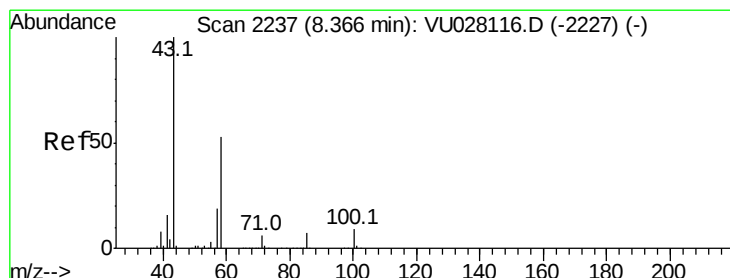
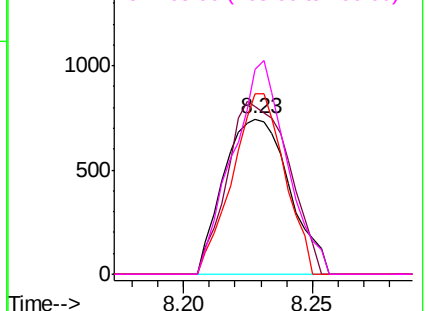
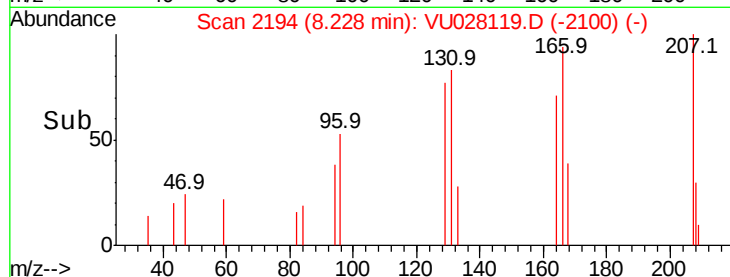
Abundance

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



#48

2-Hexanone

Concen: 2.709 ug/L

RT: 8.32 min Scan# 2222

Delta R.T. -0.05 min

Lab File: VU028119.D

Acq: 14 Nov 2018 14:28

Tgt Ion: 43 Resp: 19256

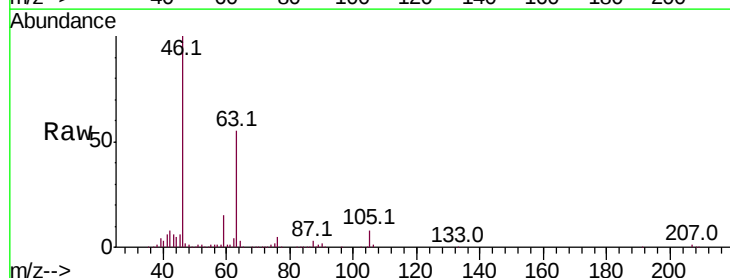
Ion Ratio Lower Upper

43 100

58 23.5 41.7 62.5#

57 20.9 14.0 21.0

100 0.0 7.2 10.8#



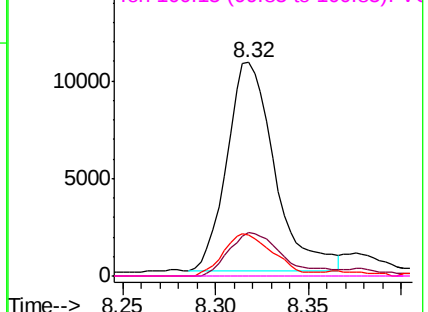
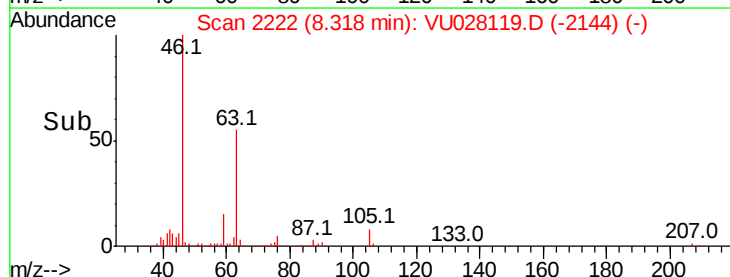
Abundance

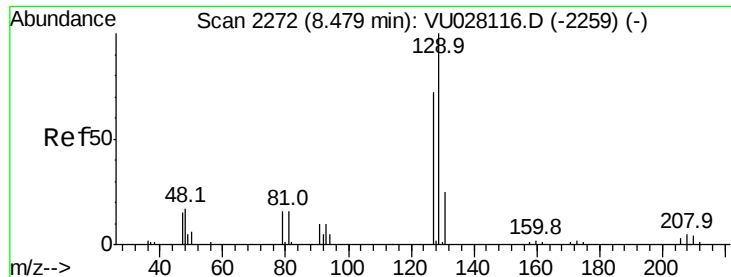
Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.149 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028119.D

Acq: 14 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

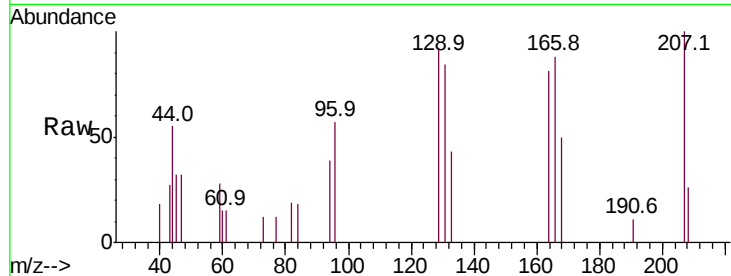
ETH4

Tot Ion:129 Resp: 1385

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

800

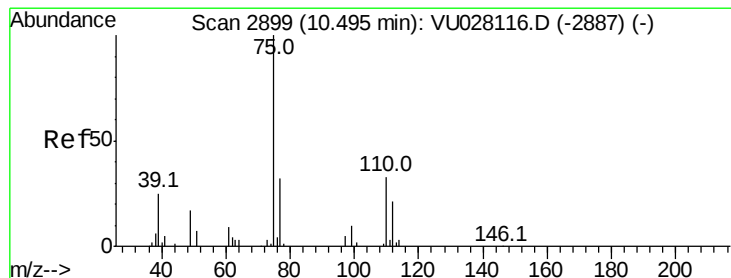
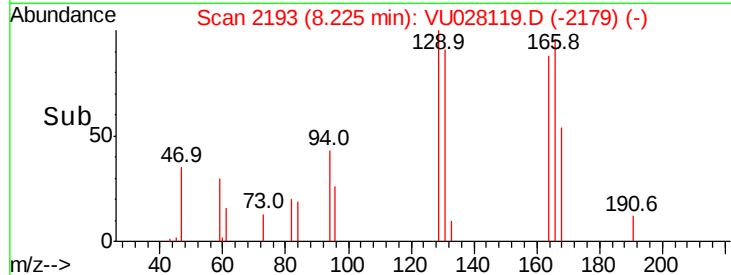
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.261 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028119.D

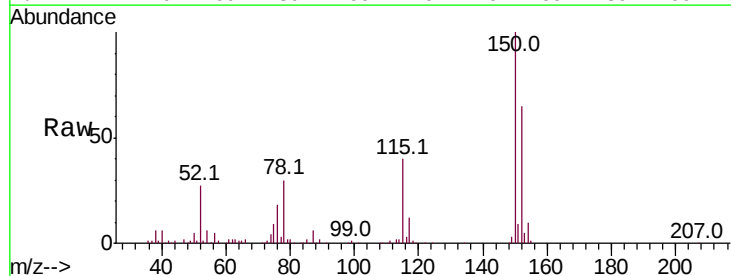
Acq: 14 Nov 2018 14:28

Tgt Ion: 75 Resp: 10278

Ion Ratio Lower Upper

75 100

77 35.3 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-->

