

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111418\
 Data File : VU028132.D
 Acq On : 14 Nov 2018 19:46
 Operator : MD/SY
 Sample : J5948-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9C30

Quant Time: Nov 15 04:30:35 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	139783	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	130558	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60189	5.00	ug/L	0.00

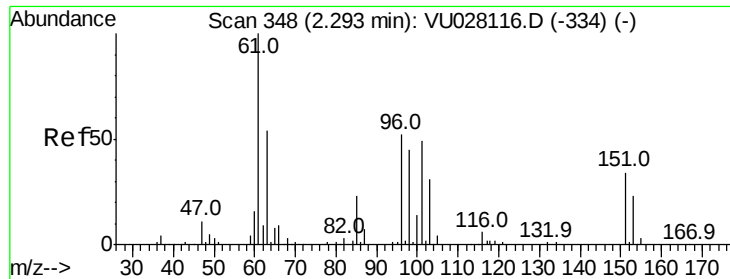
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50560	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.68	69	42652	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.28	63	72008	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.19	46	171691	51.03	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.06%
24) Chloroform-d	4.65	84	88231	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.31	65	51178	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.34	84	180410	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.33	67	66364	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.57	98	157806	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.85	79	20674	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.31	63	135301	49.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44421	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	54025	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	572	0.062	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	486	0.052	ug/L #	1
13) Acetone	2.32	43	1185	0.523	ug/L	97
27) 1,2-Dichloroethane	5.34	62	954	0.078	ug/L #	76
35) Methylcyclohexane	6.33	83	12994	0.695	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	7107	0.584	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1444	0.088	ug/L #	71
47) Tetrachloroethene	8.23	164	1593	0.180	ug/L	92
48) 2-Hexanone	8.31	43	17519	2.940	ug/L #	67
49) Dibromochloromethane	8.23	129	1674	0.214	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8753	1.281	ug/L	94

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



#10

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

Concen: 0.062 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

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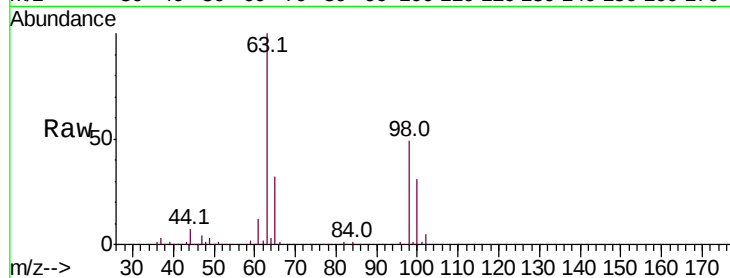
Tot Ion:101 Resp: 572

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

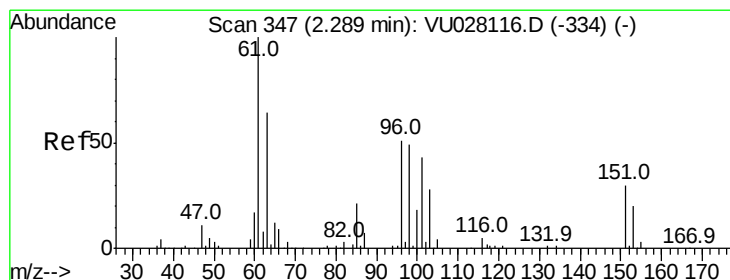
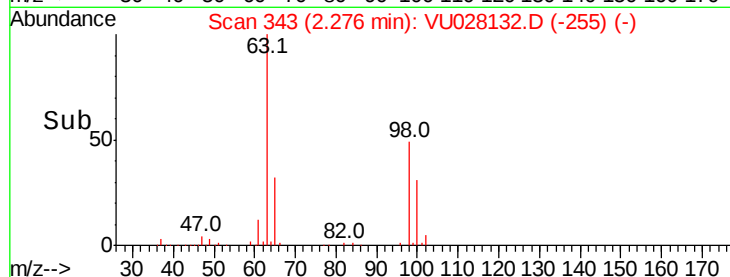
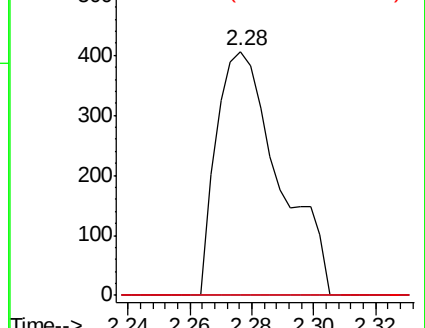
151 0.0 58.2 87.2#



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: 0.052 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028132.D

Acq: 14 Nov 2018 19:46

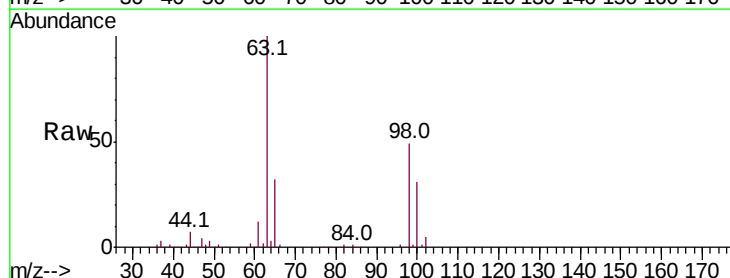
Tgt Ion: 96 Resp: 486

Ion Ratio Lower Upper

96 100

61 2033.3 134.8 250.3#

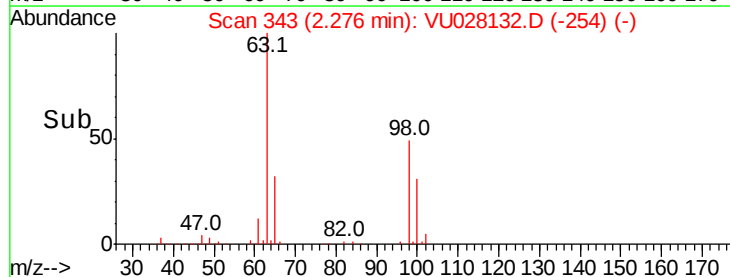
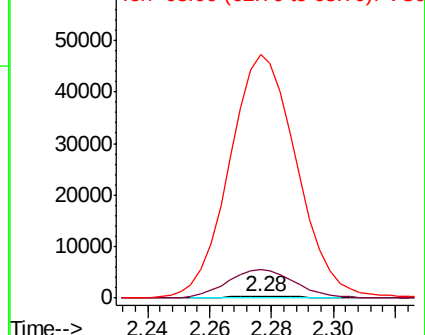
63 17304.0 100.1 185.9#

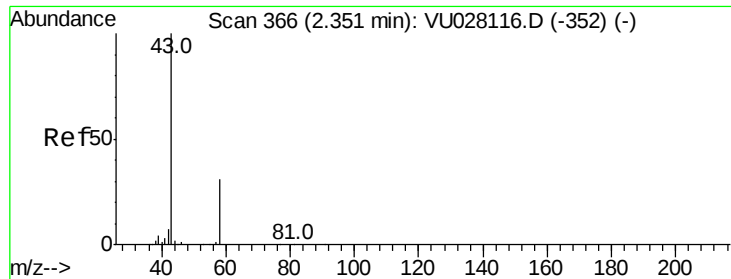


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.523 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.03 min

Lab File: VU028132.D

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Instrument :

MSVOA_U

ClientSampleId :

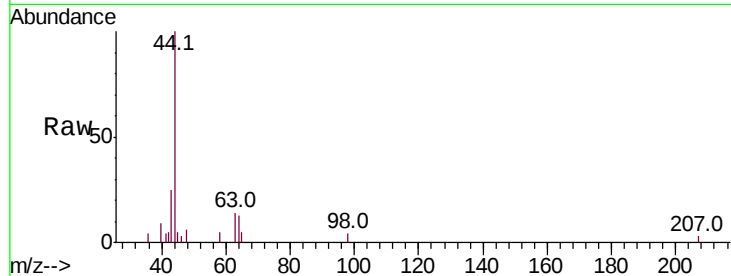
F9C30

Tot Ion: 43 Resp: 1185

Ion Ratio Lower Upper

43 100

58 28.9 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

800

600

400

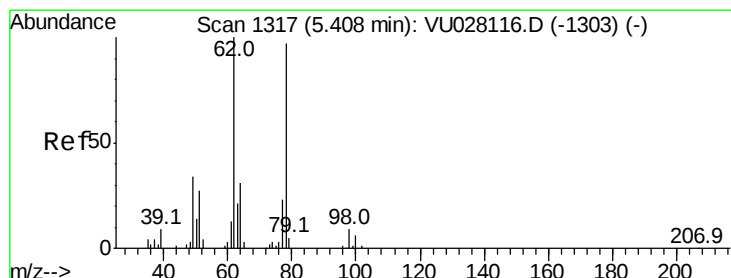
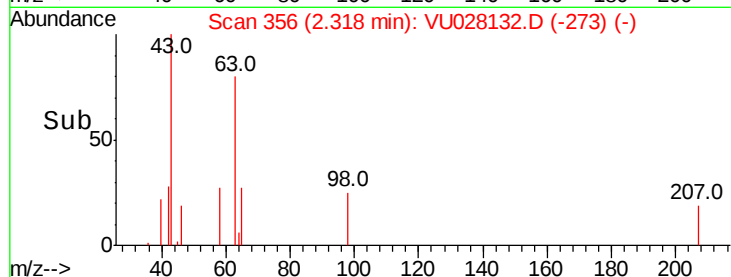
200

0

Time-->

2.30

2.35



#27

1,2-Dichloroethane

Concen: 0.078 ug/L

RT: 5.34 min Scan# 1296

Delta R.T. -0.07 min

Lab File: VU028132.D

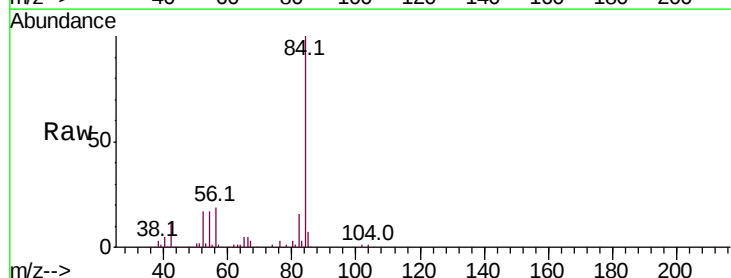
Acq: 14 Nov 2018 19:46

Tgt Ion: 62 Resp: 954

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.34

600

500

400

300

200

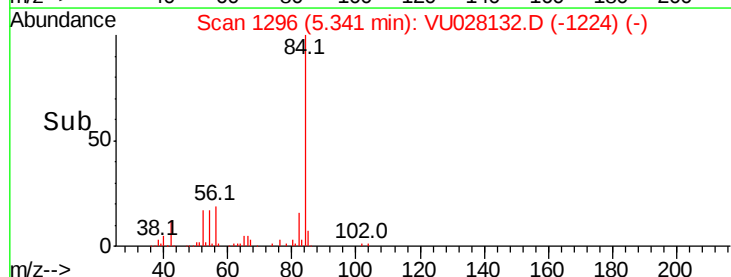
100

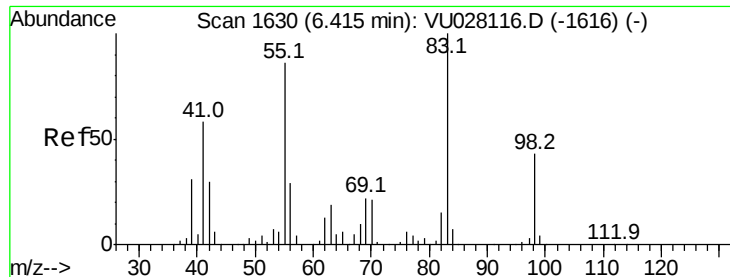
0

Time-->

5.30

5.35





#35

Methylcyclohexane

Concen: 0.695 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028132.D

Acq: 14 Nov 2018 19:46

Instrument :

MSVOA_U

ClientSampleId :

F9C30

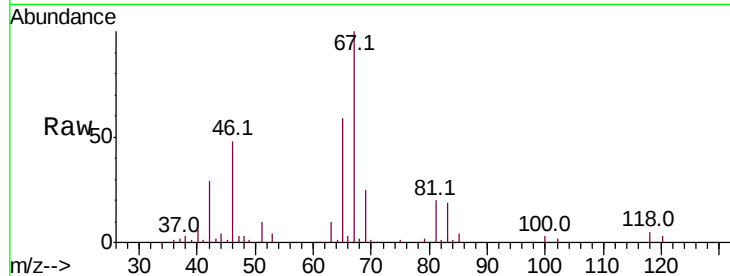
Tot Ion: 83 Resp: 12994

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

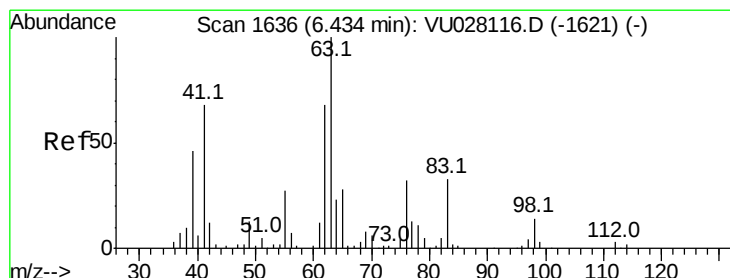
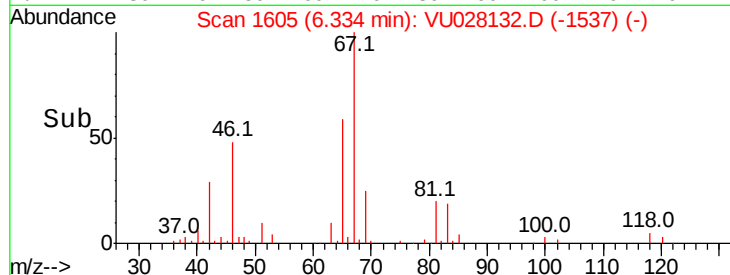
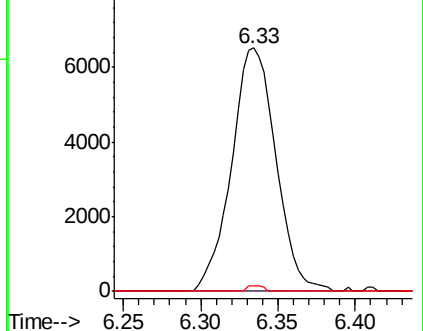
98 0.8 33.3 49.9#



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: 0.584 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028132.D

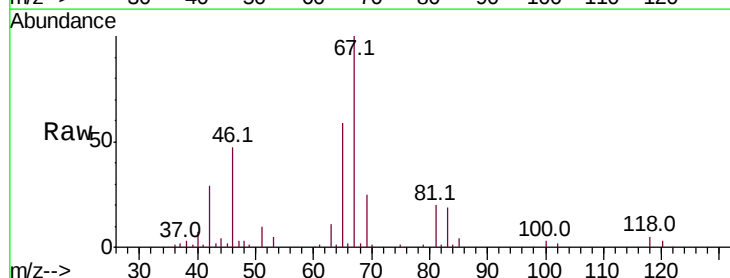
Acq: 14 Nov 2018 19:46

Tgt Ion: 63 Resp: 7107

Ion Ratio Lower Upper

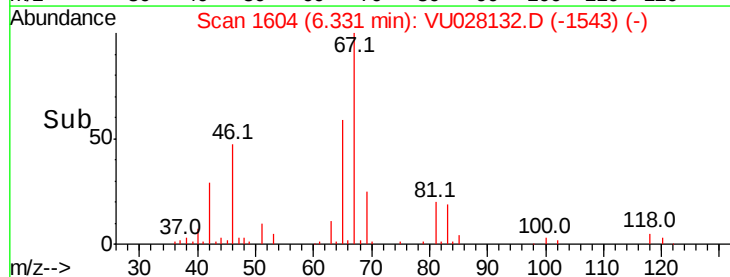
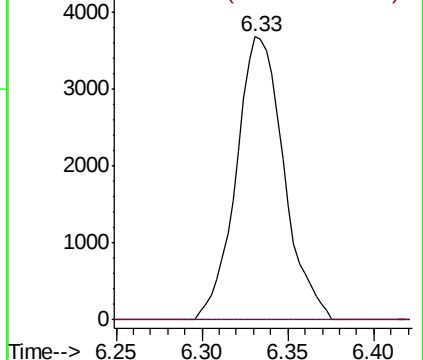
63 100

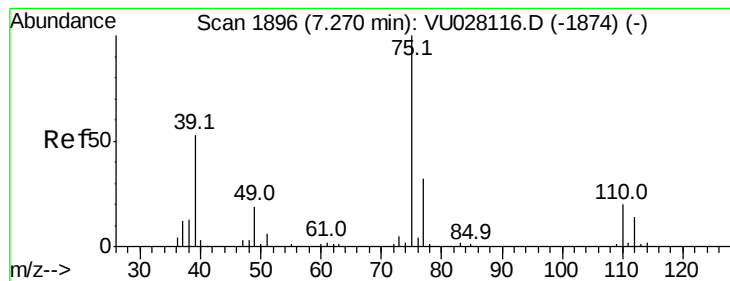
112 0.3 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



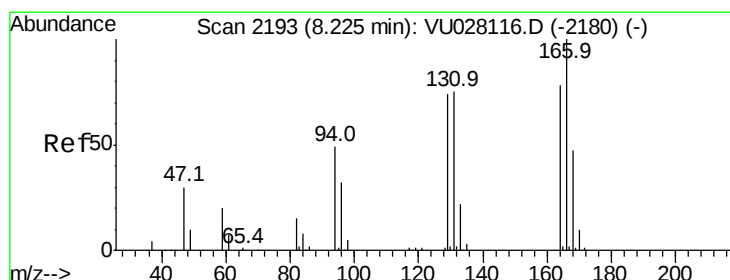
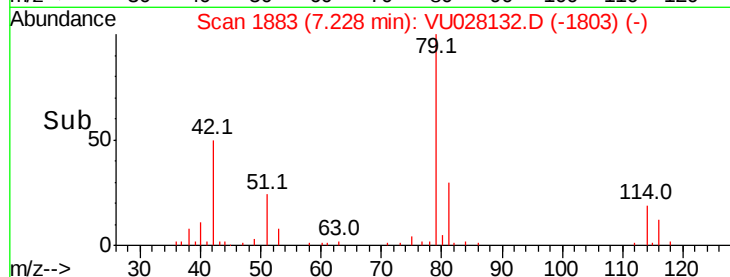
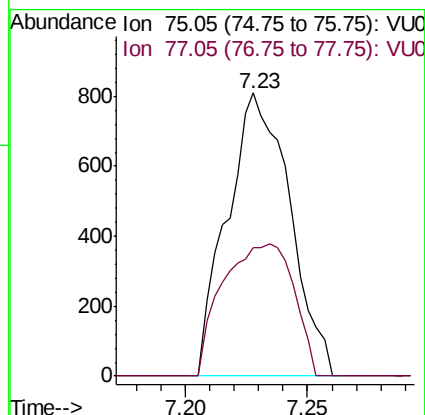
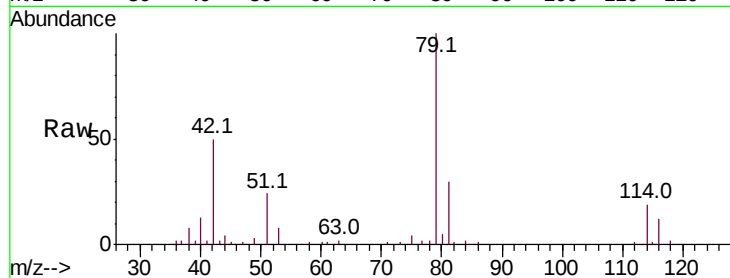


#39

cis-1,3-Dichloropropene
Concen: 0.088 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU028132.D
Acq: 14 Nov 2018 19:46

Instrument :
MSVOA_U
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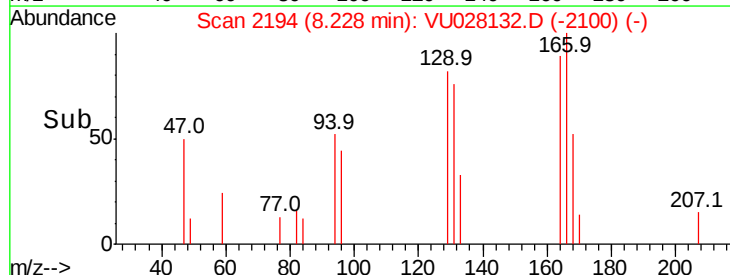
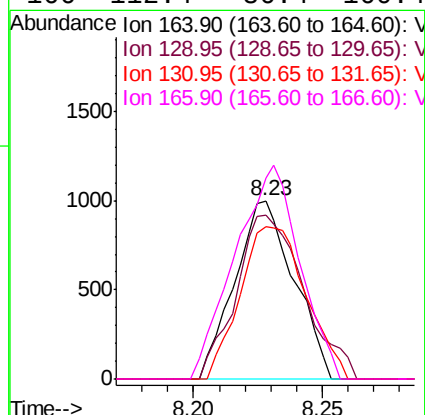
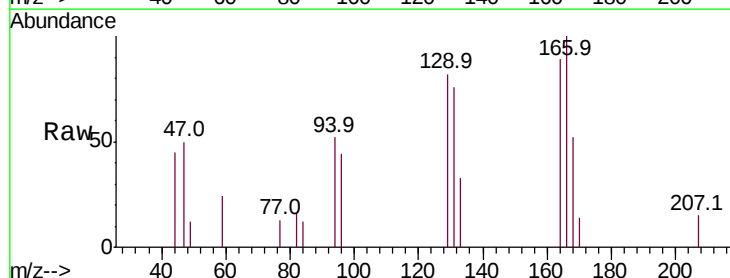
Tot Ion: 75 Resp: 1444
Ion Ratio Lower Upper
75 100
77 45.5 20.9 38.9#

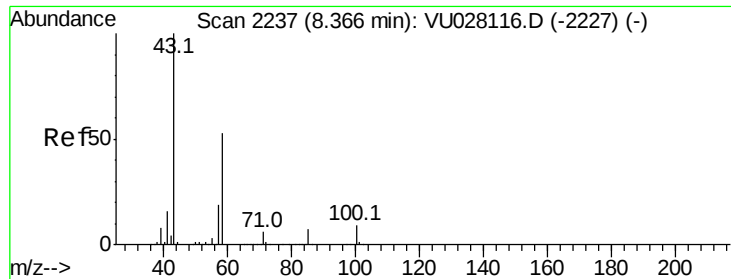


#47

Tetrachloroethene
Concen: 0.180 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028132.D
Acq: 14 Nov 2018 19:46

Tgt Ion:164 Resp: 1593
Ion Ratio Lower Upper
164 100
129 91.8 69.7 129.4
131 85.4 64.0 118.8
166 112.4 86.4 160.4

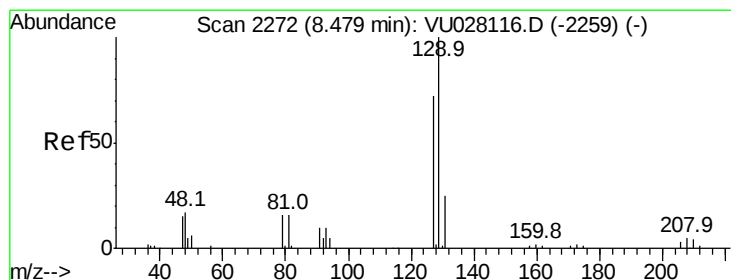
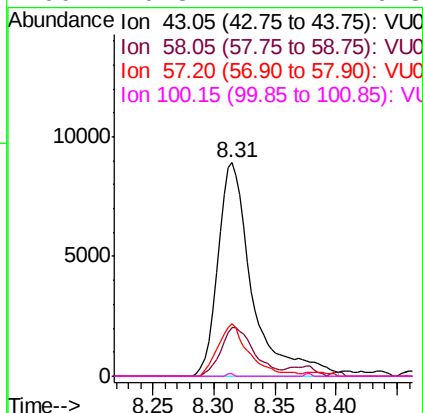
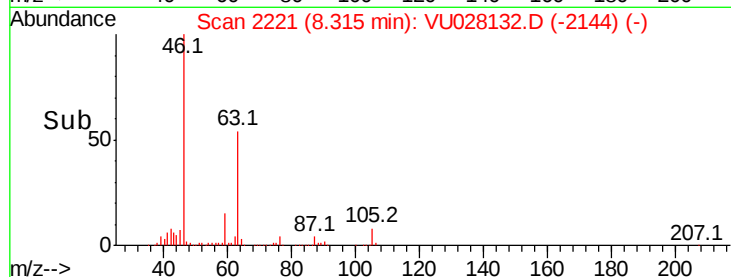
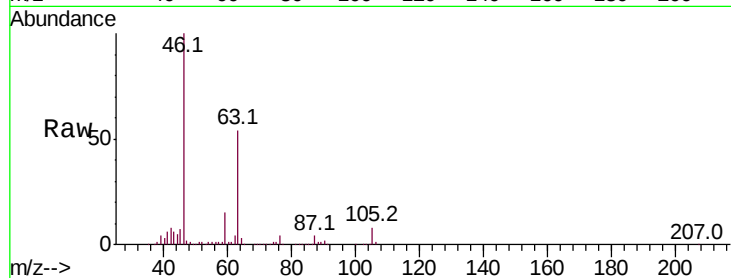




#48
2-Hexanone
Concen: 2.940 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU028132.D
Acq: 14 Nov 2018 19:46

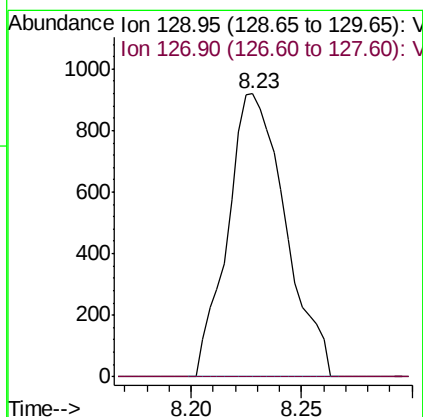
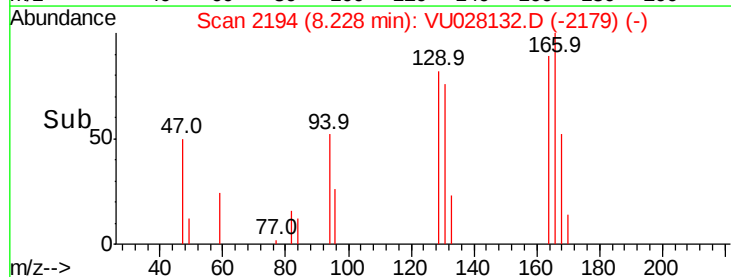
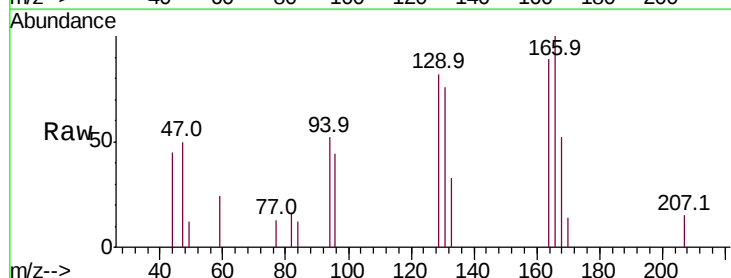
Instrument :
MSVOA_U
ClientSampleId :
F9C30

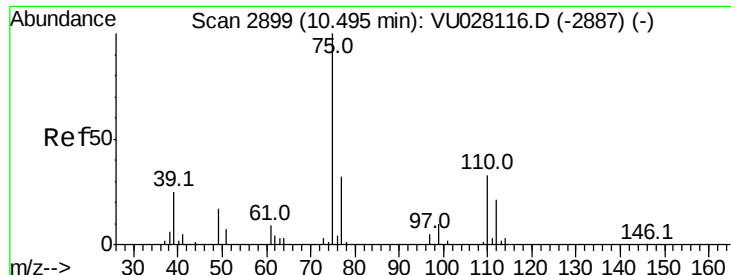
Tot Ion: 43 Resp: 17519
Ion Ratio Lower Upper
43 100
58 22.4 41.7 62.5#
57 21.8 14.0 21.0#
100 0.3 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.214 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028132.D
Acq: 14 Nov 2018 19:46

Tgt Ion: 129 Resp: 1674
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#





#59

1,2,3-Trichloropropane

Concen: 1.281 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028132.D

Acq: 14 Nov 2018 19:46

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 75 Resp: 8753

Ion Ratio Lower Upper

75 100

77 35.1 25.4 38.0

