

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028289.D
 Acq On : 20 Nov 2018 19:45
 Operator : MD/SY
 Sample : J5995-20DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:11:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 07:07:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	122309	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	117387	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35852	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.68	69	34212	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.28	63	52309	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.20	46	178980	58.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.22%
24) Chloroform-d	4.65	84	80598	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.31	65	46760	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.34	84	147409	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.33	67	58806	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.57	98	119672	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	7.85	79	16245	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.31	63	123381	52.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	47079	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	46299	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	6851	0.552 ug/L #	81
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	420	0.053 ug/L #	21
12) 1,1-Dichloroethene	2.28	96	572	0.076 ug/L #	1
13) Acetone	2.33	43	1884	0.889 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	228483	10.101 ug/L	97
18) trans-1,2-Dichloroethene	2.98	96	6528	0.814 ug/L	90
19) 1,1-Dichloroethane	3.45	63	2142	0.115 ug/L #	85
22) cis-1,2-Dichloroethene	4.23	96	57511	6.066 ug/L	93
25) Chloroform	4.68	83	4010	0.199 ug/L	93
34) Trichloroethene	6.18	95	19807	2.089 ug/L	96
35) Methylcyclohexane	6.33	83	11912	0.797 ug/L #	17
37) 1,2-Dichloropropane	6.33	63	5946	0.538 ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1103	0.079 ug/L #	60
48) 2-Hexanone	8.37	43	3854	0.684 ug/L #	90
59) 1,2,3-Trichloropropane	11.48	75	7663	1.200 ug/L	95

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QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration

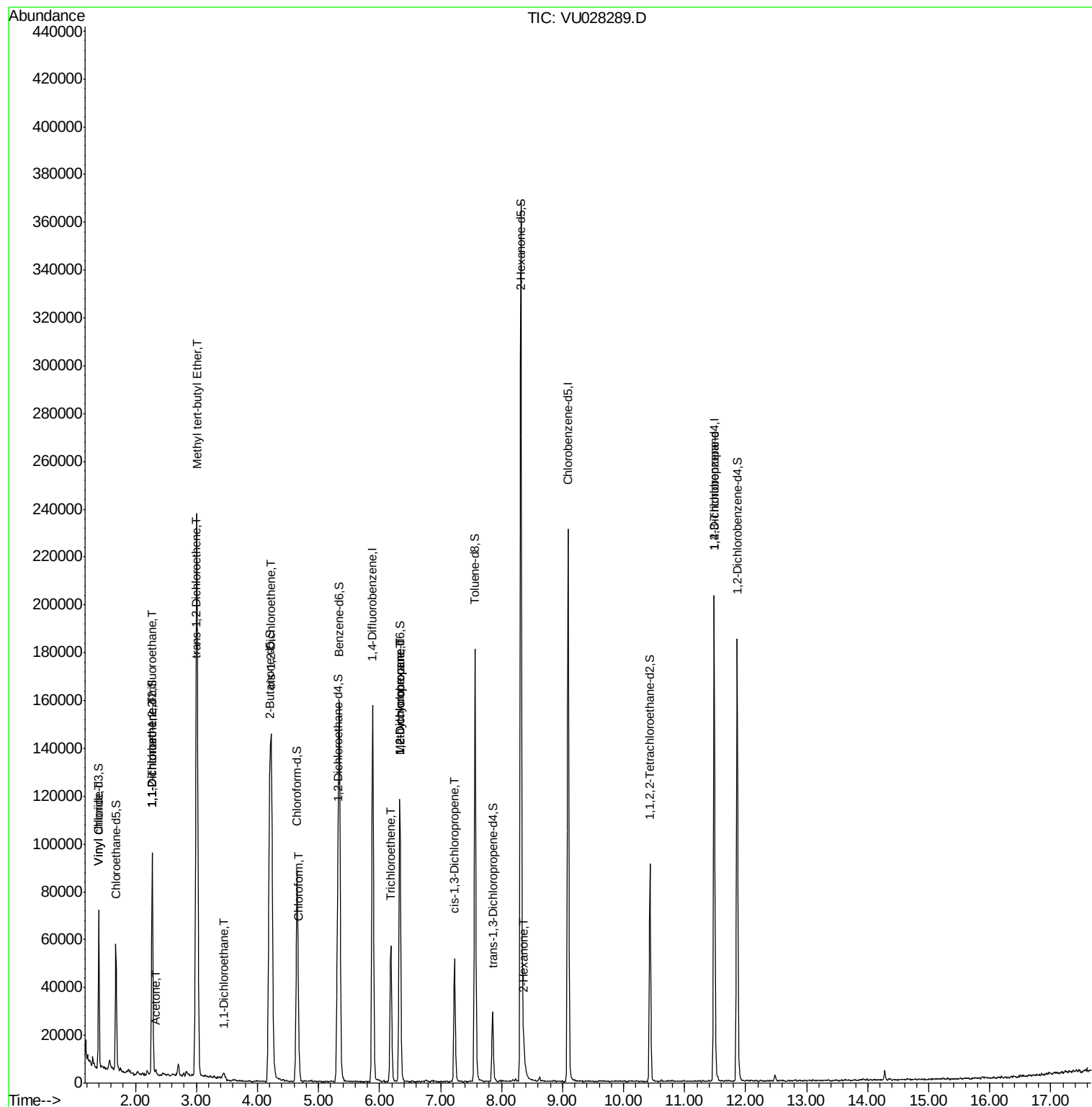
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

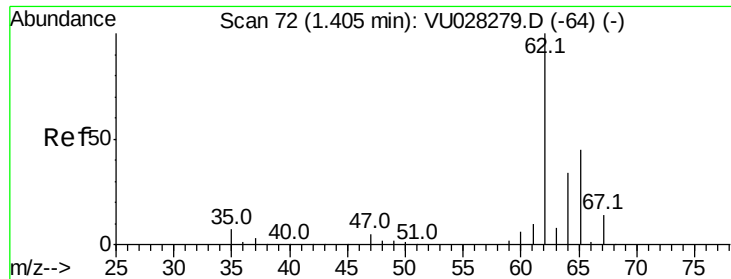
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.552 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028289.D

Acq: 20 Nov 2018 19:45

Instrument :

MSVOA_U

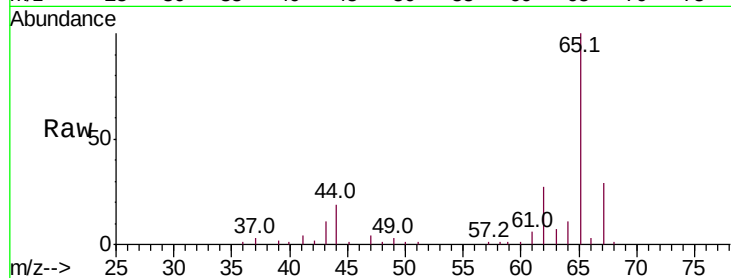
ClientSampleId :

Tot Ion: 62 Resp: 6851

Ion Ratio Lower Upper

62 100

64 41.6 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028279.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VU028279.D (-64) (-)

1.40

6000

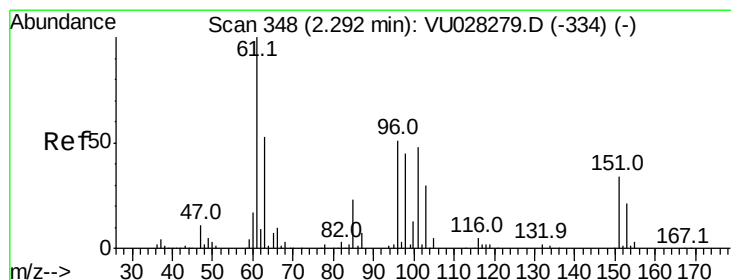
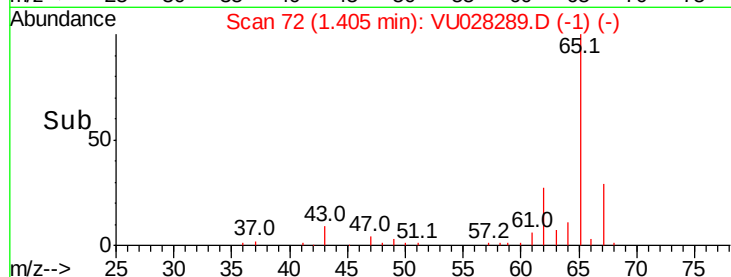
4000

2000

0

1.36 1.38 1.40 1.42 1.44

Time-->



#10

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

Concen: 0.053 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU028289.D

Acq: 20 Nov 2018 19:45

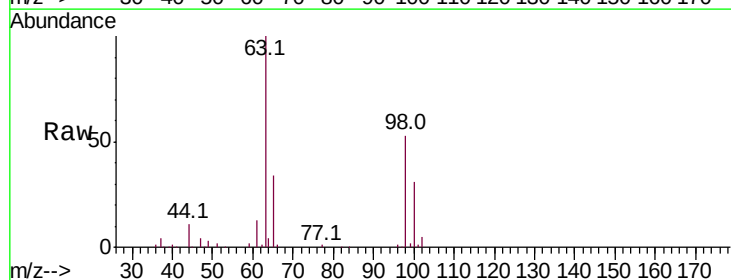
Tgt Ion: 101 Resp: 420

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#



Abundance Ion 101.00 (100.70 to 101.70): VU028279.D (-334) (-)

Ion 85.00 (84.70 to 85.70): VU028279.D (-334) (-)

Ion 151.00 (150.70 to 151.70): VU028279.D (-334) (-)

2.27

300

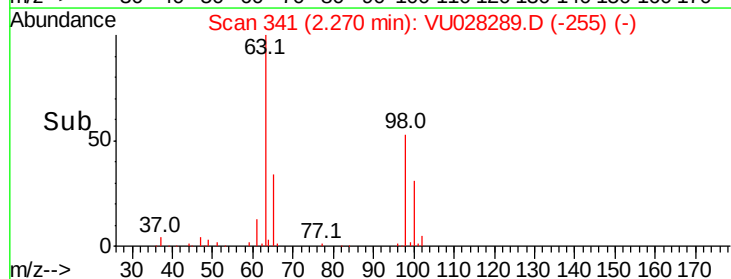
200

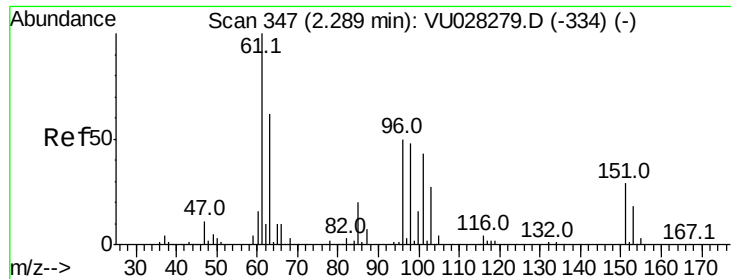
100

0

2.24 2.26 2.28 2.30

Time-->





#12

1,1-Dichloroethene

Concen: 0.076 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028289.D

Acq: 20 Nov 2018 19:45

Instrument :
MSVOA_U
ClientSampled :

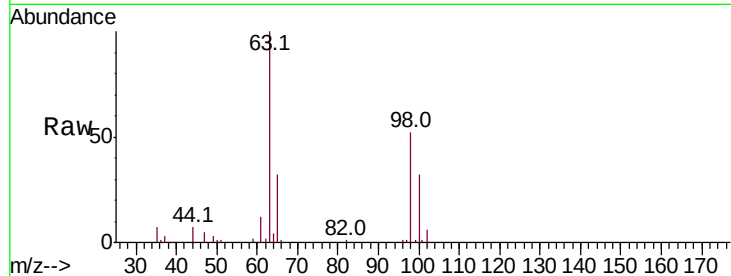
Tot Ion: 96 Resp: 572

Ion Ratio Lower Upper

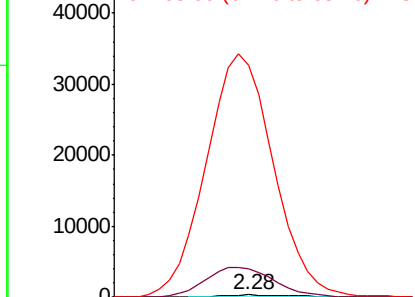
96 100

61 1106.4 145.5 270.1#

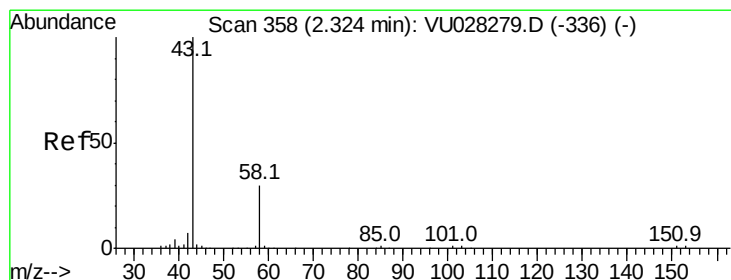
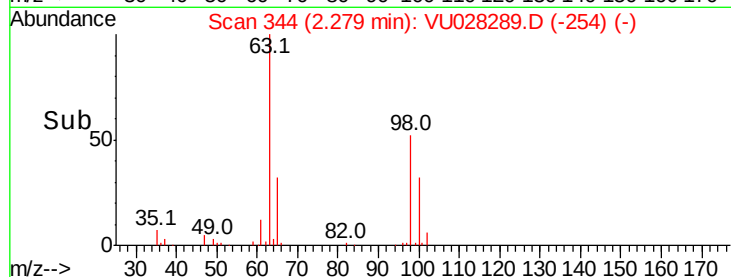
63 9118.7 98.6 183.2#



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



Time--> 2.24 2.26 2.28 2.30 2.32



#13

Acetone

Concen: 0.889 ug/L

RT: 2.33 min Scan# 361

Delta R.T. 0.01 min

Lab File: VU028289.D

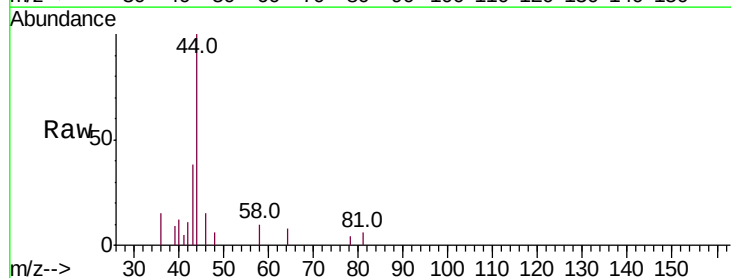
Acq: 20 Nov 2018 19:45

Tgt Ion: 43 Resp: 1884

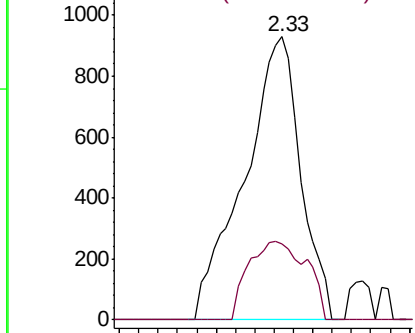
Ion Ratio Lower Upper

43 100

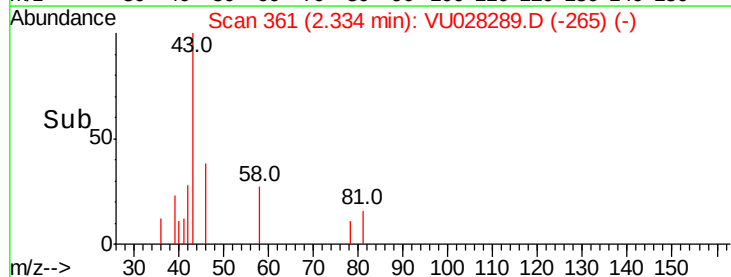
58 28.3 0.0 58.6

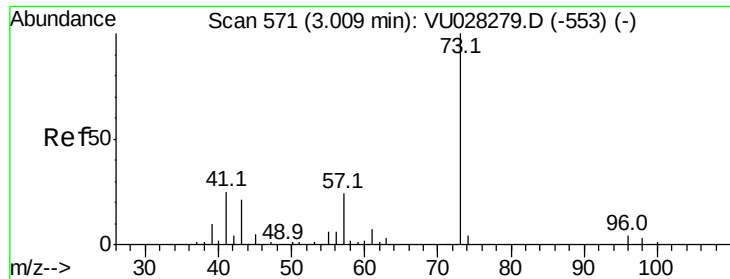


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0



Time--> 2.25 2.30 2.35

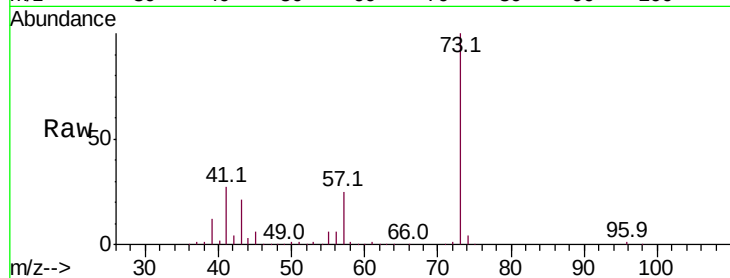




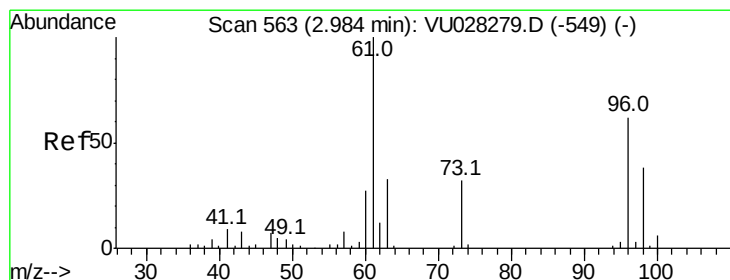
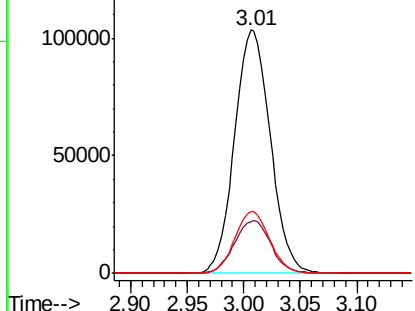
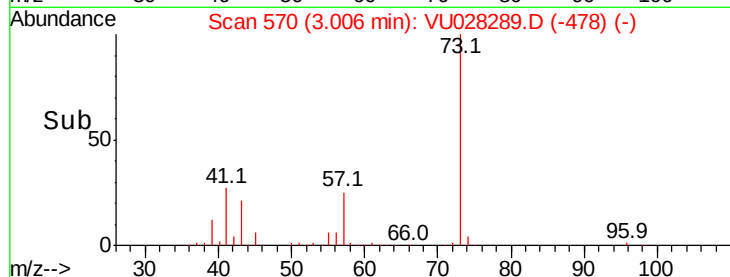
#17
Methyl tert-butyl Ether
Concen: 10.101 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU028289.D
Acq: 20 Nov 2018 19:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 228483
Ion Ratio Lower Upper
73 100
43 21.8 18.8 28.2
57 24.8 19.2 28.8

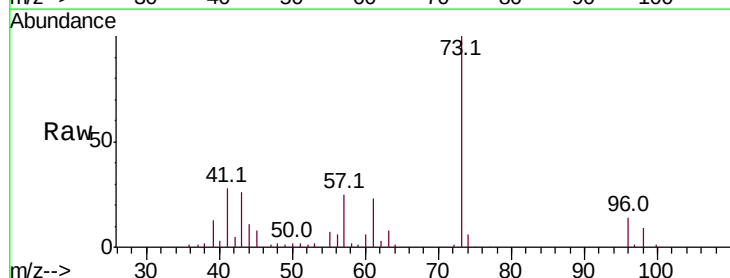


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

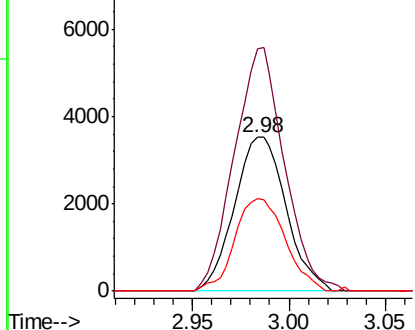
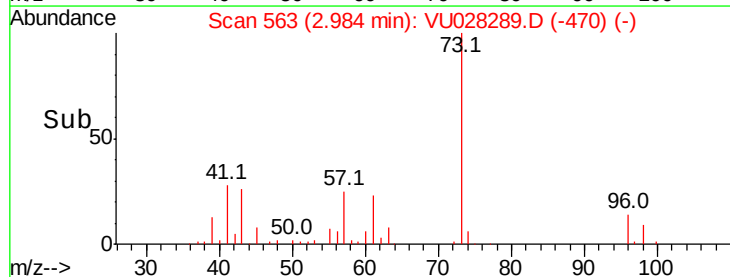


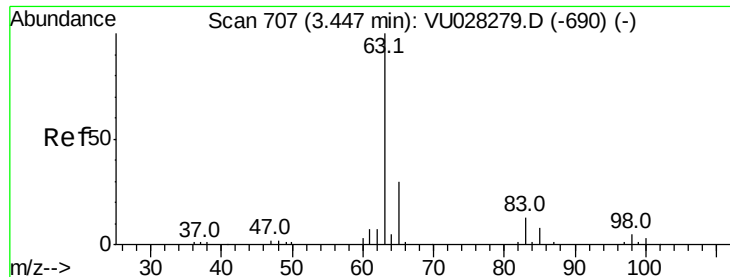
#18
trans-1,2-Dichloroethene
Concen: 0.814 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028289.D
Acq: 20 Nov 2018 19:45

Tgt Ion: 96 Resp: 6528
Ion Ratio Lower Upper
96 100
61 157.8 122.2 227.0
98 59.9 44.9 83.5



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

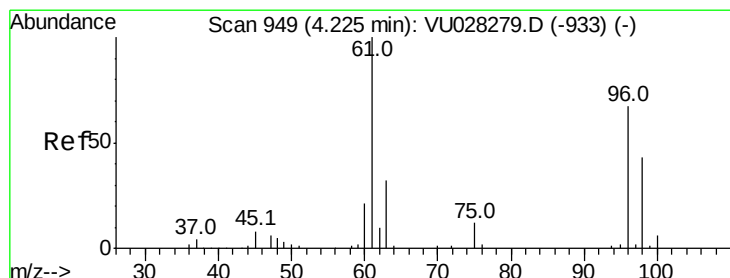
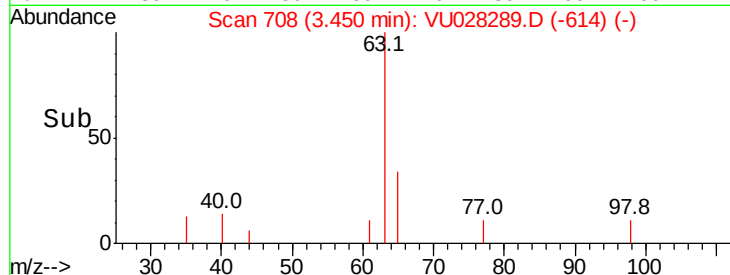
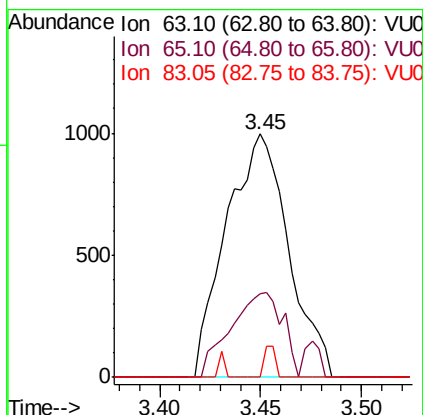
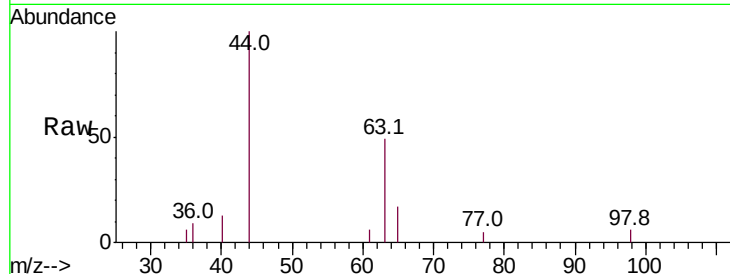




#19
 1,1-Dichloroethane
 Concen: 0.115 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU028289.D
 Acq: 20 Nov 2018 19:45

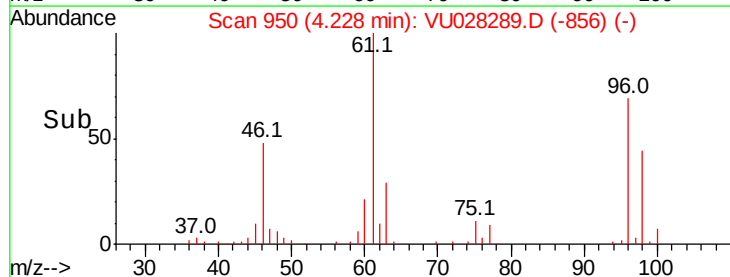
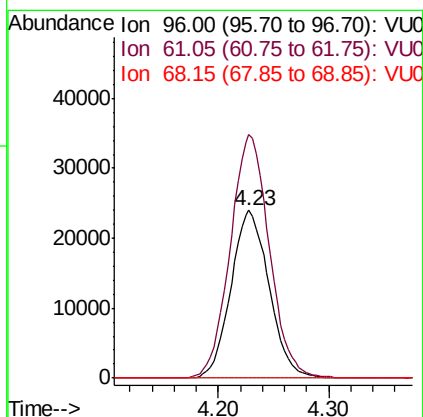
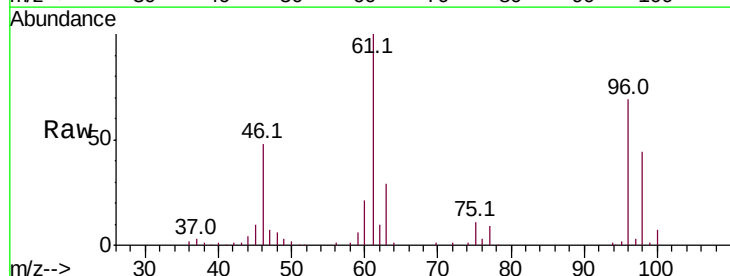
Instrument :
 MSVOA_U
 ClientSampled :

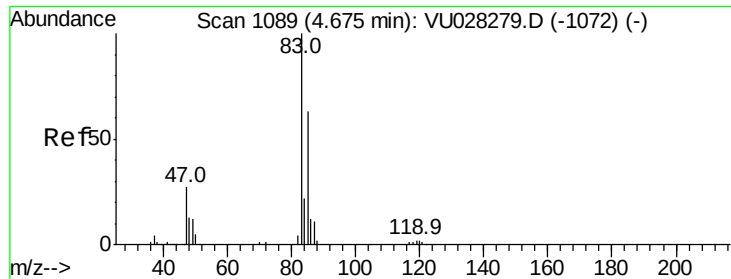
Tot Ion: 63 Resp: 2142
 Ion Ratio Lower Upper
 63 100
 65 34.4 21.2 39.4
 83 0.0 8.8 16.4#



#22
 cis-1,2-Dichloroethene
 Concen: 6.066 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028289.D
 Acq: 20 Nov 2018 19:45

Tgt Ion: 96 Resp: 57511
 Ion Ratio Lower Upper
 96 100
 61 145.3 108.0 200.6
 68 0.0 0.0 0.0

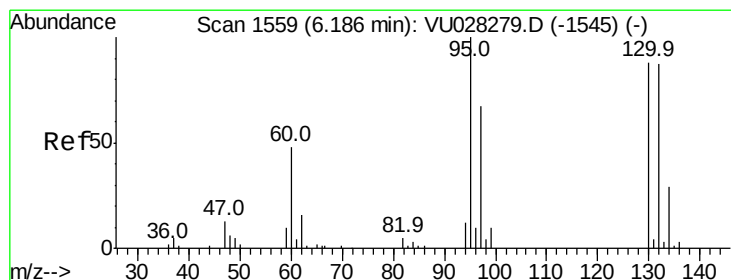
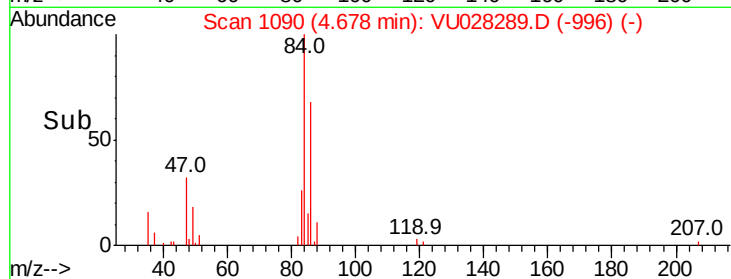
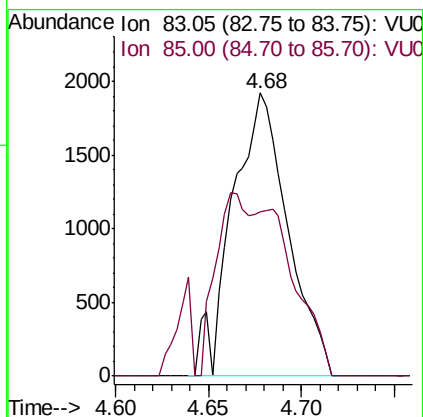
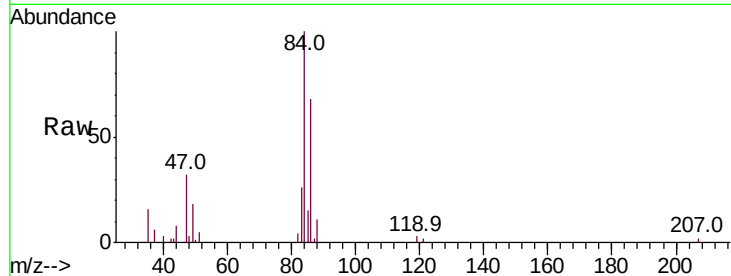




#25
Chloroform
Concen: 0.199 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028289.D
Acq: 20 Nov 2018 19:45

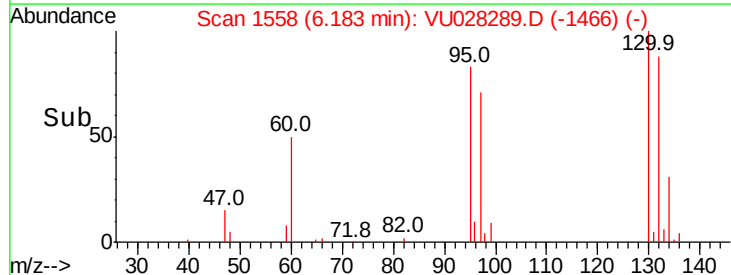
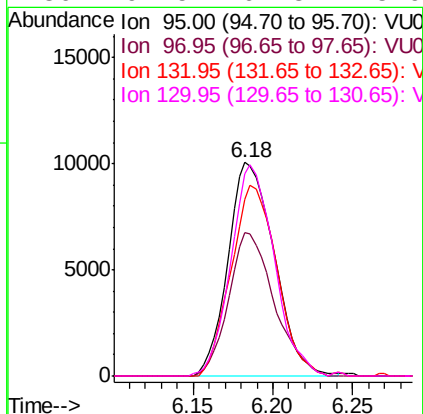
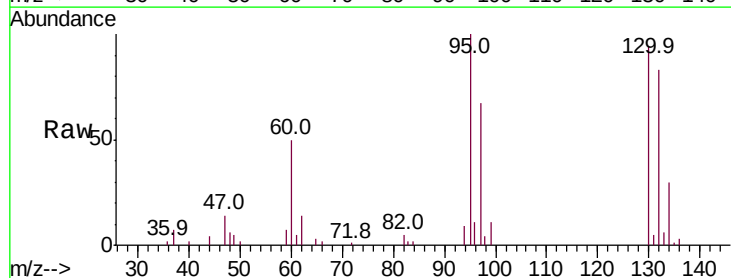
Instrument :
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ClientSampleId :

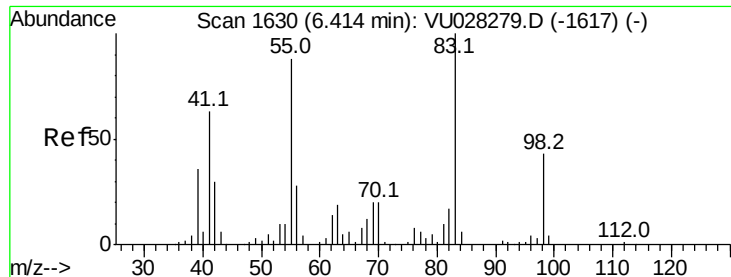
Tot Ion: 83 Resp: 4010
Ion Ratio Lower Upper
83 100
85 57.9 44.6 82.8



#34
Trichloroethene
Concen: 2.089 ug/L
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028289.D
Acq: 20 Nov 2018 19:45

Tgt Ion: 95 Resp: 19807
Ion Ratio Lower Upper
95 100
97 67.4 46.5 86.3
132 82.7 58.9 109.3
130 94.5 61.3 113.9

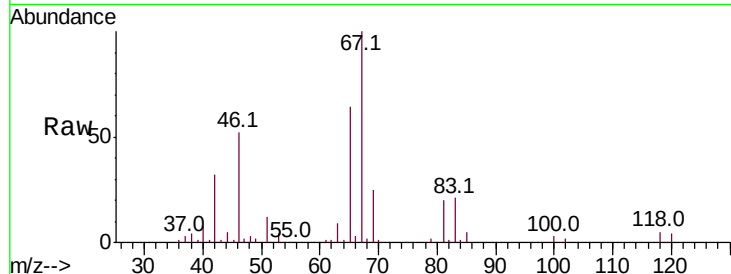




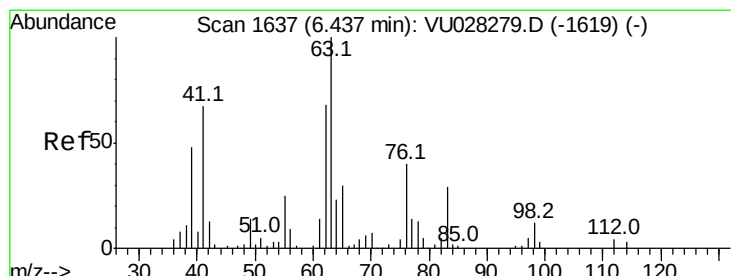
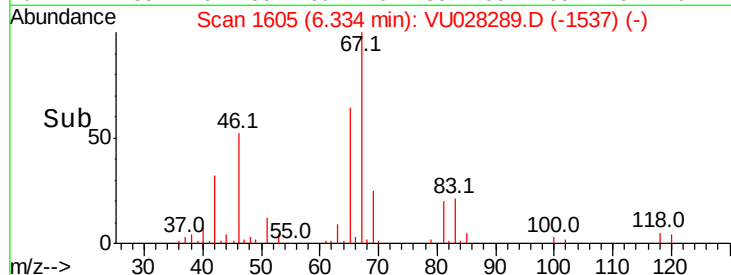
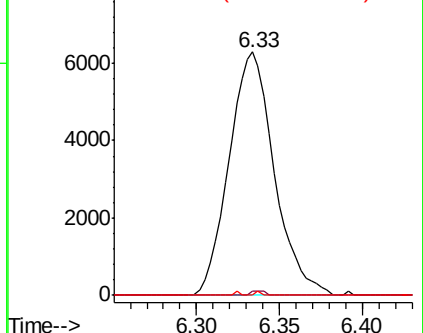
#35
Methylvlcyclohexane
Concen: 0.797 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028289.D
Acq: 20 Nov 2018 19:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 11912
Ion Ratio Lower Upper
83 100
55 0.6 73.2 109.8#
98 7.8 33.4 50.2#

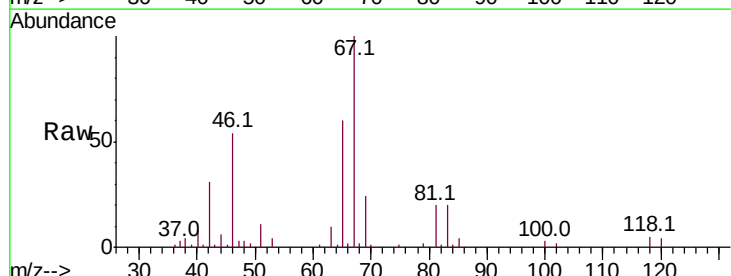


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

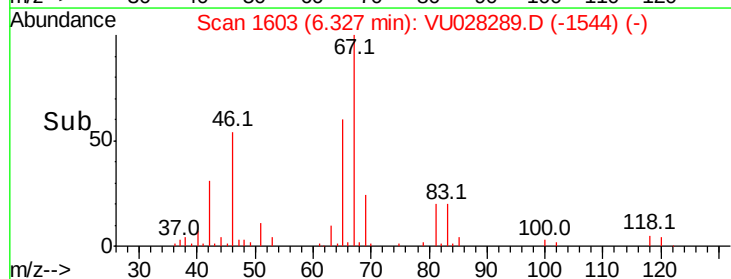
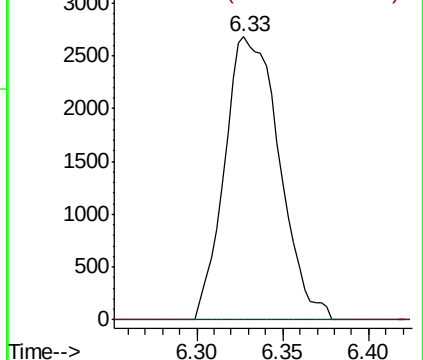


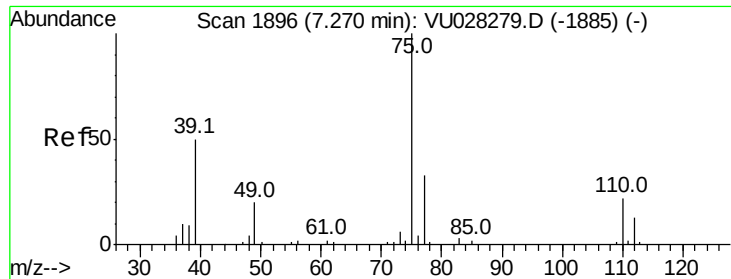
#37
1,2-Dichloropropane
Concen: 0.538 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.11 min
Lab File: VU028289.D
Acq: 20 Nov 2018 19:45

Tgt Ion: 63 Resp: 5946
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

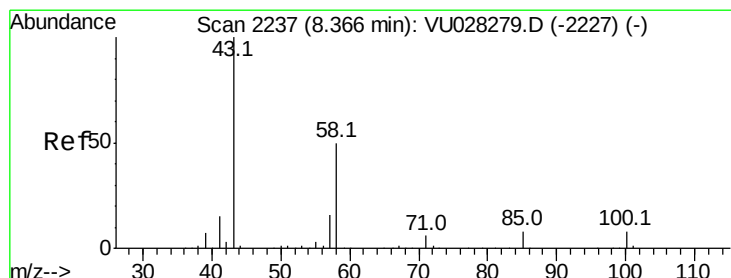
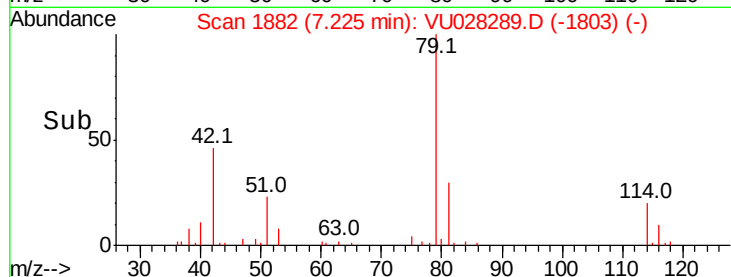
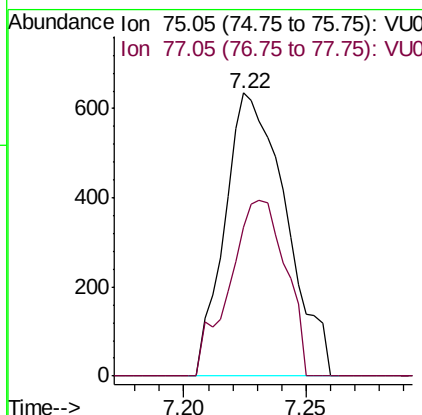
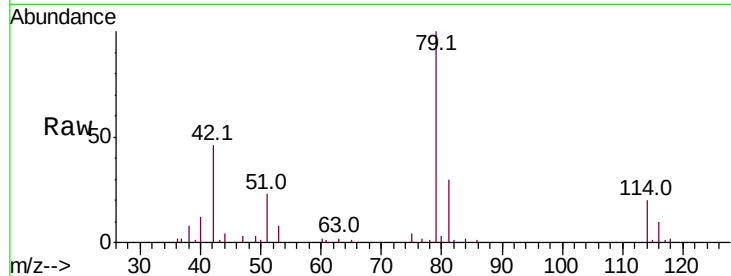




#39
 cis-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.05 min
 Lab File: VU028289.D
 Acq: 20 Nov 2018 19:45

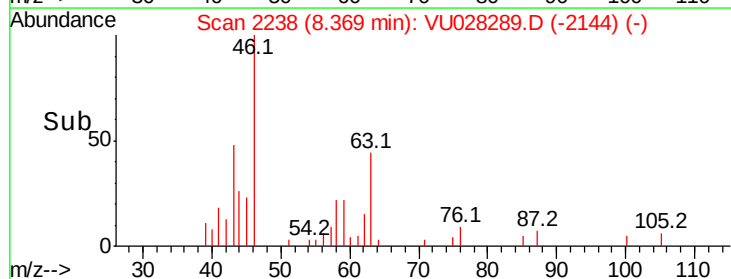
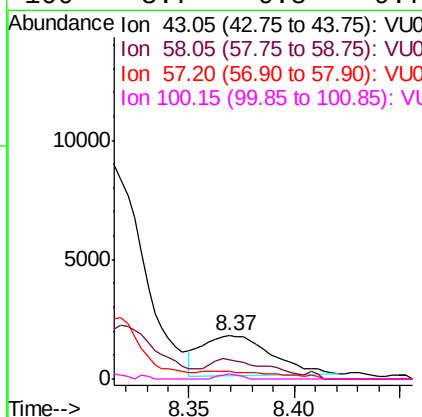
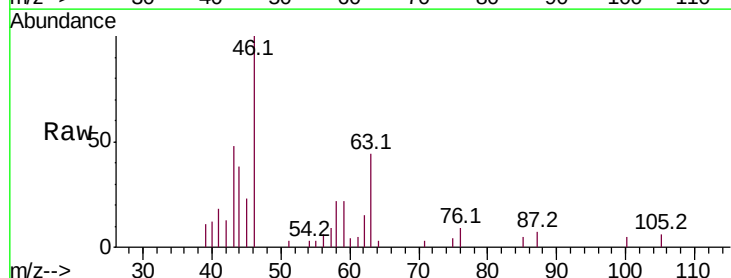
Instrument :
 MSVOA_U
 ClientSampleId :

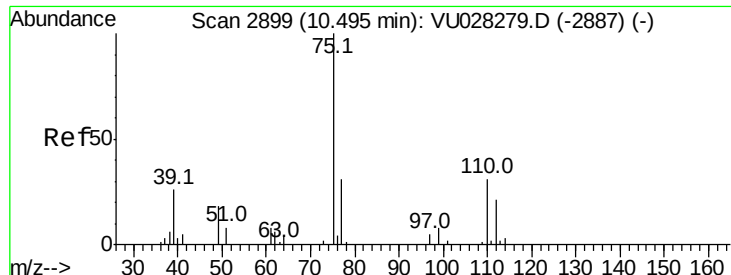
Tot Ion: 75 Resp: 1103
 Ion Ratio Lower Upper
 75 100
 77 52.8 21.7 40.3#



#48
 2-Hexanone
 Concen: 0.684 ug/L
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU028289.D
 Acq: 20 Nov 2018 19:45

Tgt Ion: 43 Resp: 3854
 Ion Ratio Lower Upper
 43 100
 58 43.7 41.1 61.7
 57 20.7 13.8 20.8
 100 3.7 6.5 9.7#





#59

1,2,3-Trichloropropane

Concen: 1.200 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028289.D

Acq: 20 Nov 2018 19:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7663

Ion Ratio Lower Upper

75 100

77 34.9 25.7 38.5

