

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028283.D
 Acq On : 20 Nov 2018 17:22
 Operator : MD/SY
 Sample : J5995-05DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:10:47 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	127958	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	122176	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52255	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39748	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.68	69	37488	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.28	63	55823	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.20	46	174359	54.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.22%
24) Chloroform-d	4.65	84	82537	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.31	65	48449	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.34	84	158088	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.33	67	61306	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.57	98	126433	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	7.85	79	17467	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.31	63	123196	50.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46730	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	47896	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	14714	1.133	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	396	0.048	ug/L # 21
12) 1,1-Dichloroethene	2.27	96	734	0.093	ug/L # 1
13) Acetone	2.33	43	1756	0.792	ug/L 100
17) Methyl tert-butyl Ether	3.01	73	16270	0.688	ug/L 95
18) trans-1,2-Dichloroethene	2.99	96	5529	0.659	ug/L 91
19) 1,1-Dichloroethane	3.44	63	999	0.051	ug/L # 85
22) cis-1,2-Dichloroethene	4.23	96	104451	10.531	ug/L 95
25) Chloroform	4.67	83	4327	0.205	ug/L 99
34) Trichloroethene	6.19	95	23469	2.378	ug/L 97
35) Methylcyclohexane	6.33	83	12215	0.786	ug/L # 14
37) 1,2-Dichloropropane	6.33	63	6818	0.593	ug/L # 92
39) cis-1,3-Dichloropropene	7.23	75	1341	0.092	ug/L # 66
47) Tetrachloroethene	8.23	164	635	0.093	ug/L # 45
48) 2-Hexanone	8.37	43	3568	0.609	ug/L # 81
49) Dibromochloromethane	8.23	129	386	0.055	ug/L # 10
59) 1,2,3-Trichloropropane	11.48	75	7567	1.138	ug/L 96

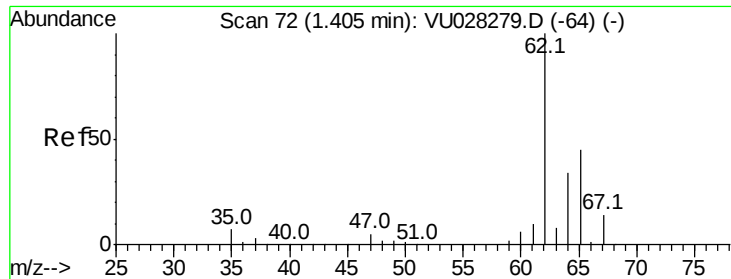
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112018\
Data File : VU028283.D
Acq On : 20 Nov 2018 17:22
Operator : MD/SY
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 1.133 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

Instrument :

MSVOA_U

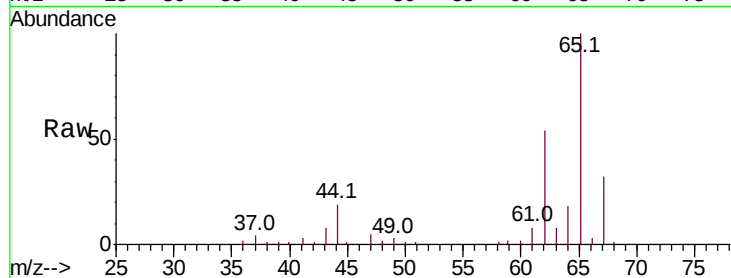
ClientSampleId :

Tot Ion: 62 Resp: 14714

Ion Ratio Lower Upper

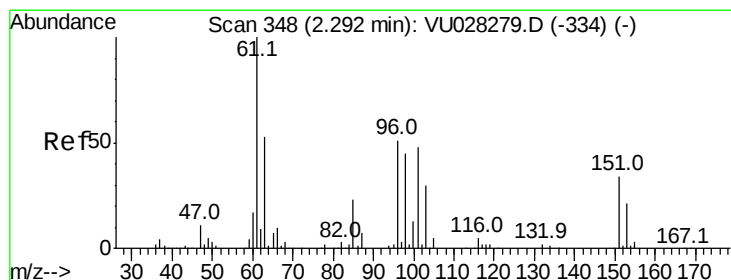
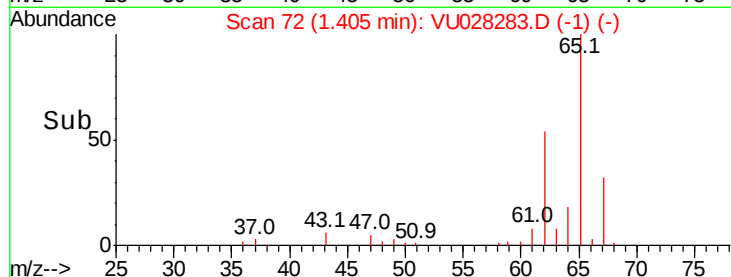
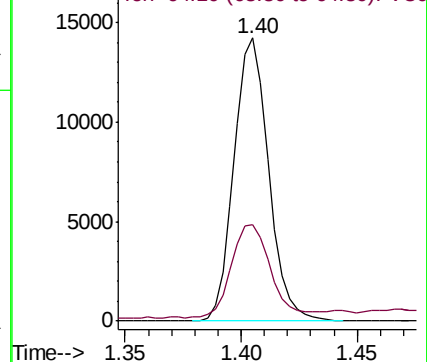
62 100

64 34.0 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#10

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

Concen: 0.048 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

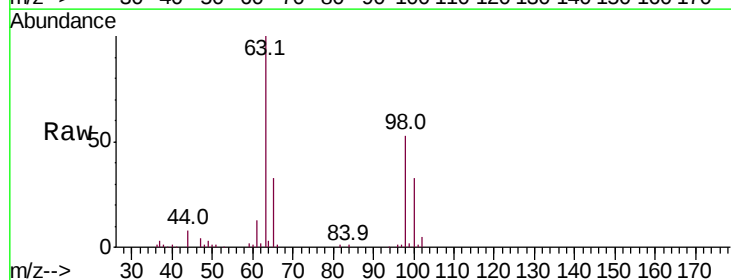
Tgt Ion: 101 Resp: 396

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

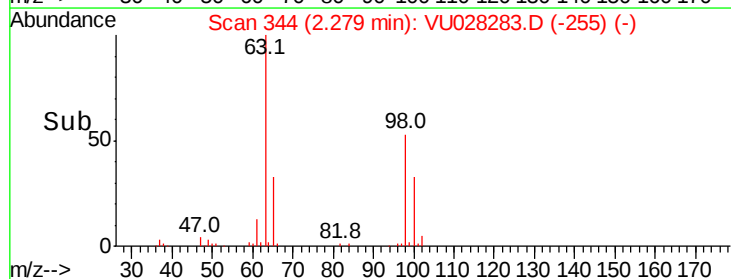
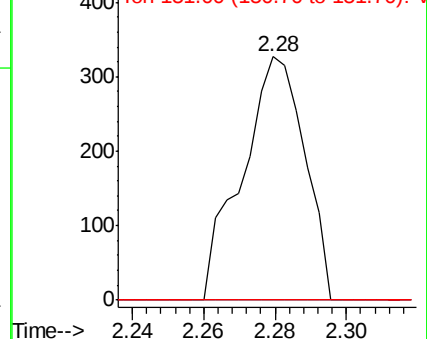
151 0.0 55.0 82.4#

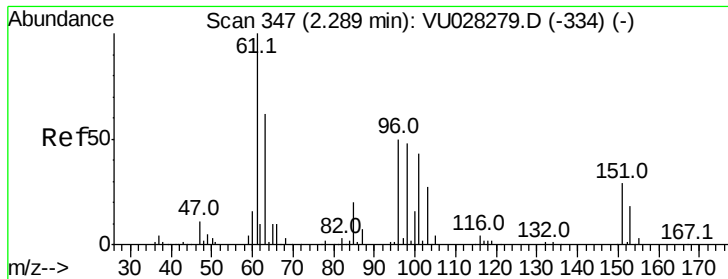


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.093 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

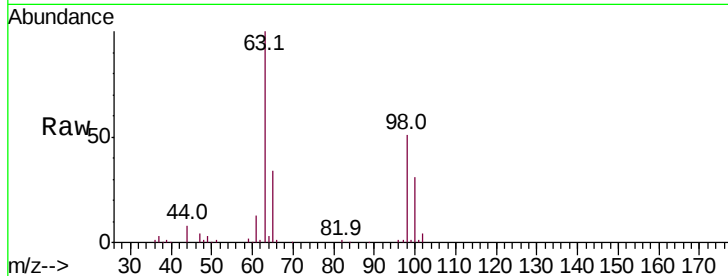
Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 734

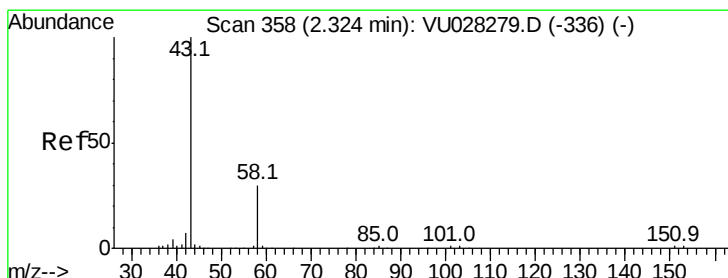
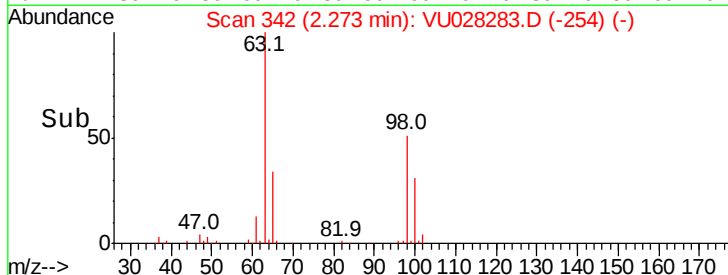
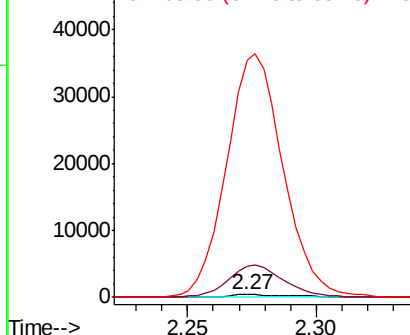
Ion	Ratio	Lower	Upper
96	100		
61	1229.0	145.5	270.1#
63	9234.5	98.6	183.2#



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



#13

Acetone

Concen: 0.792 ug/L

RT: 2.33 min Scan# 360

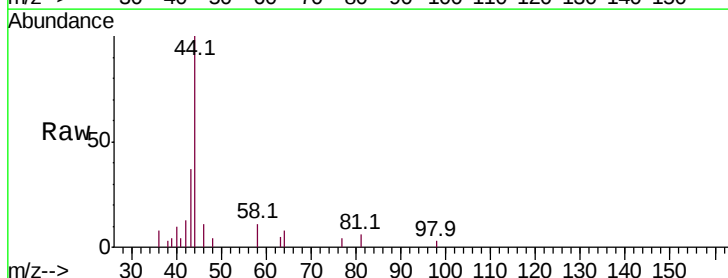
Delta R.T. 0.01 min

Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

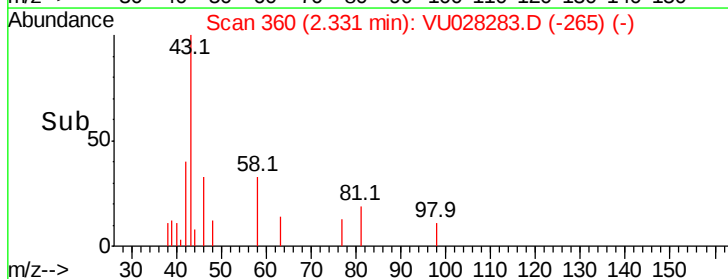
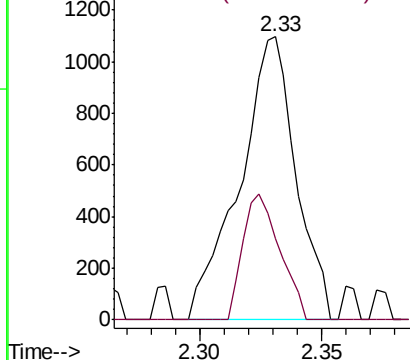
Tgt Ion: 43 Resp: 1756

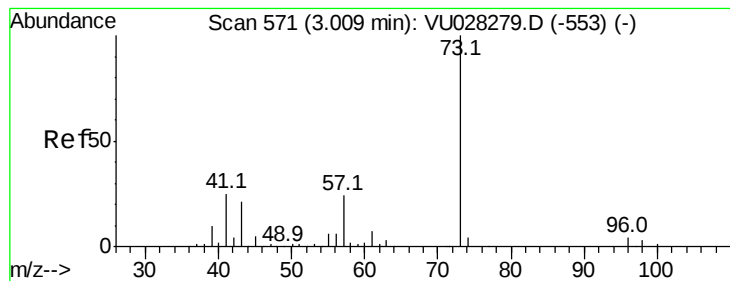
Ion	Ratio	Lower	Upper
43	100		
58	29.0	0.0	58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



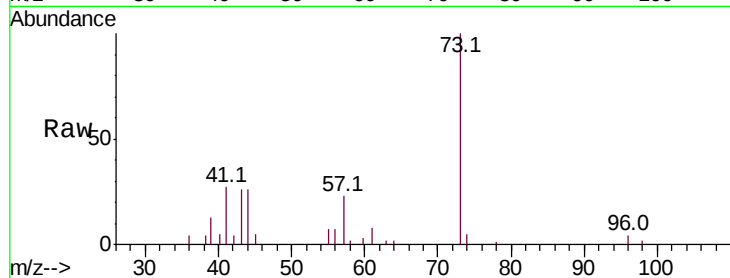


#17

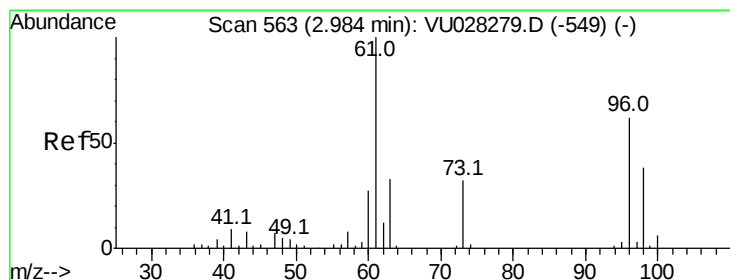
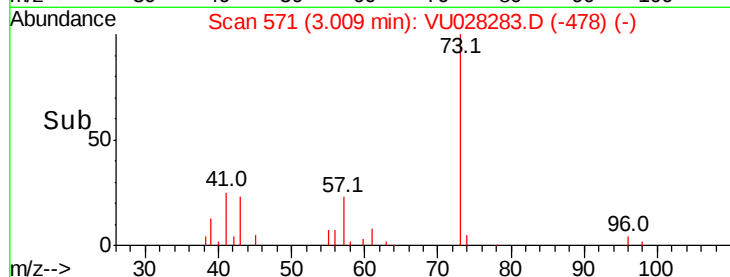
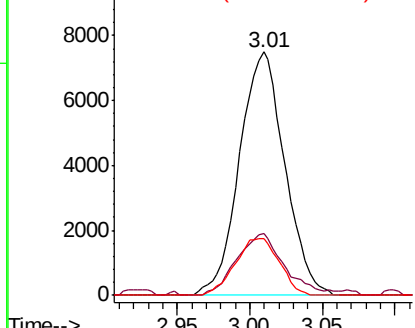
Methvl tert-butvl Ether
 Concen: 0.688 ug/L
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU028283.D
 Acq: 20 Nov 2018 17:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 16270
 Ion Ratio Lower Upper
 73 100
 43 26.9 18.8 28.2
 57 22.9 19.2 28.8



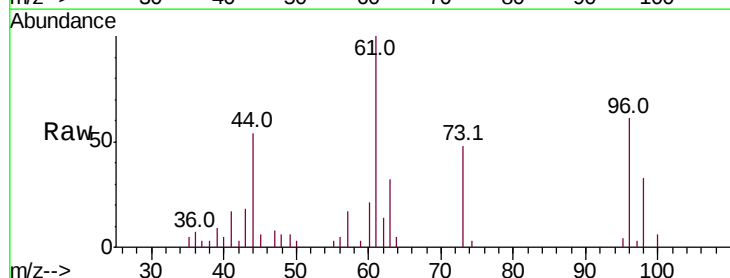
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



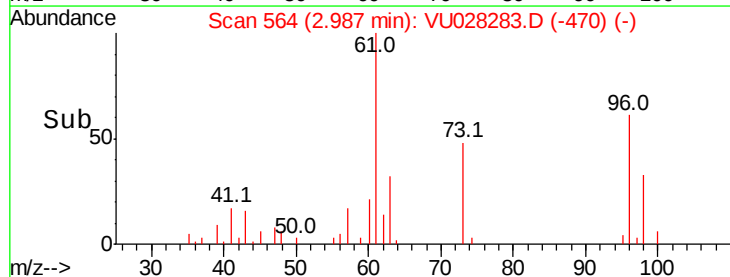
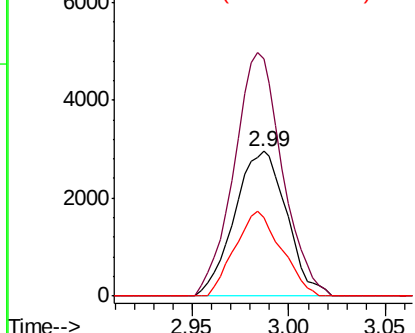
#18

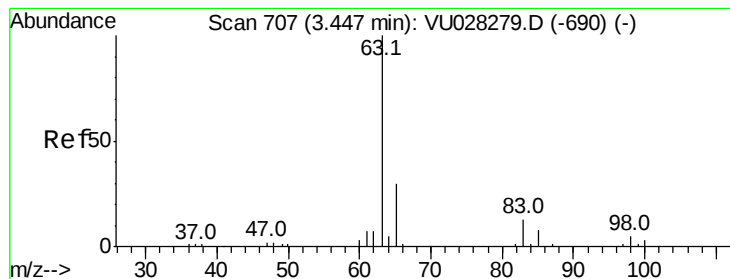
trans-1,2-Dichloroethene
 Concen: 0.659 ug/L
 RT: 2.99 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VU028283.D
 Acq: 20 Nov 2018 17:22

Tgt Ion: 96 Resp: 5529
 Ion Ratio Lower Upper
 96 100
 61 163.6 122.2 227.0
 98 54.2 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: 0.051 ug/L

RT: 3.44 min Scan# 705

Delta R.T. -0.01 min

Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

Instrument :

MSVOA_U

ClientSampleId :

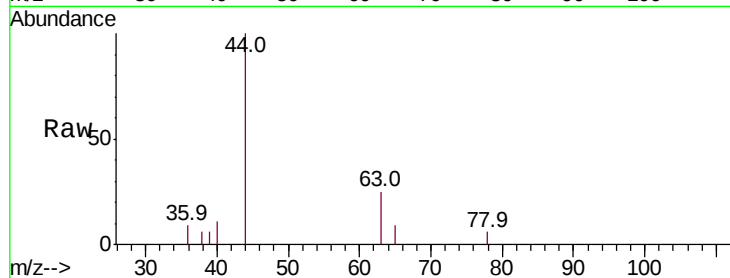
Tot Ion: 63 Resp: 999

Ion Ratio Lower Upper

63 100

65 34.5 21.2 39.4

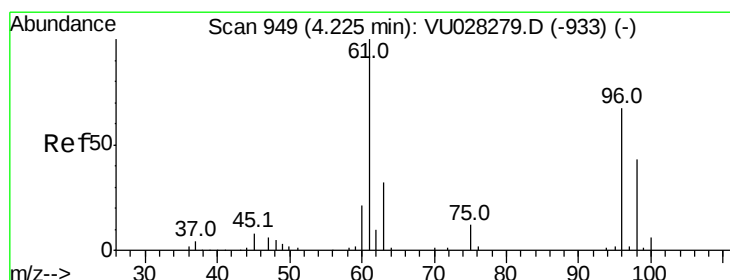
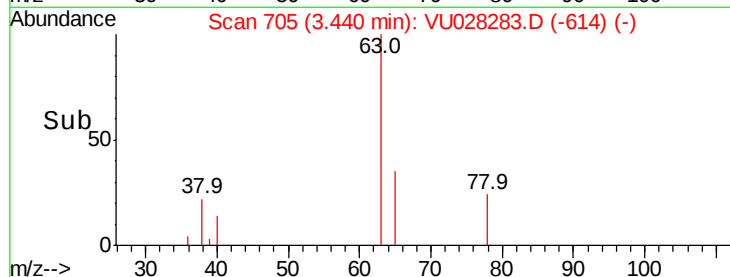
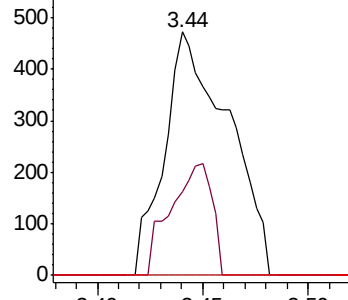
83 0.0 8.8 16.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 10.531 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

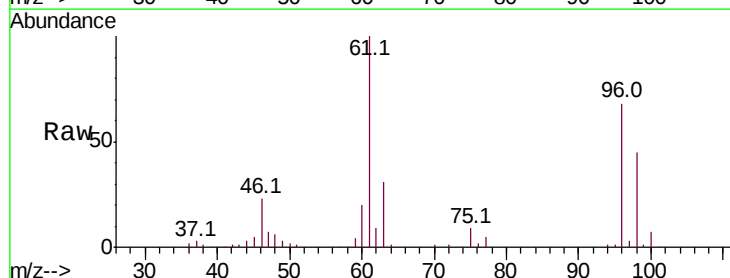
Tgt Ion: 96 Resp: 104451

Ion Ratio Lower Upper

96 100

61 147.4 108.0 200.6

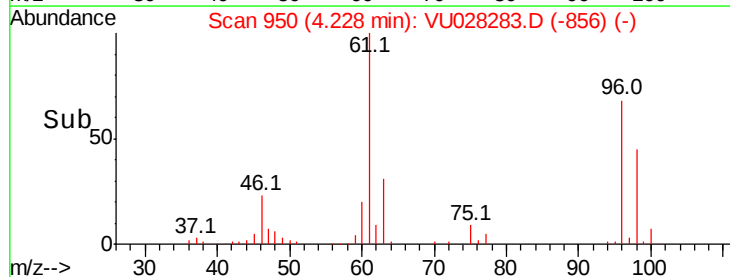
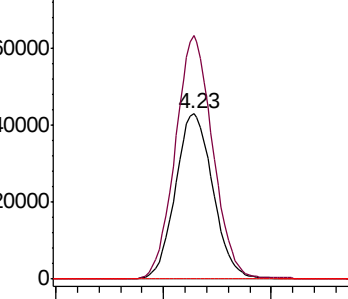
68 0.0 0.0 0.0

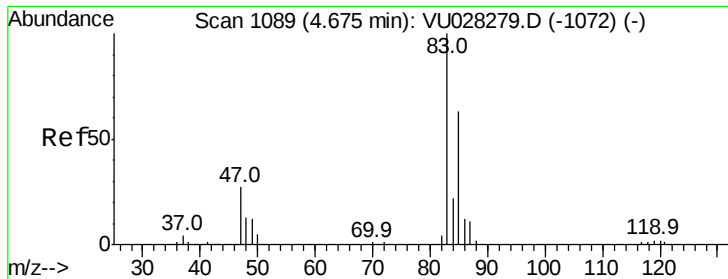


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

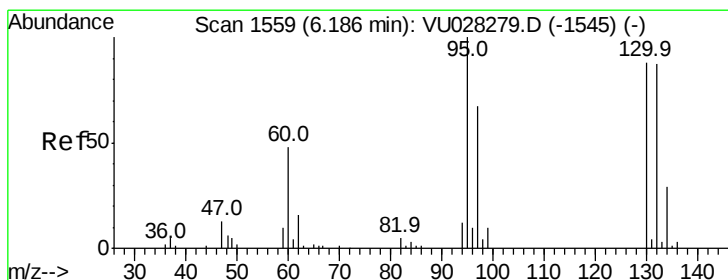
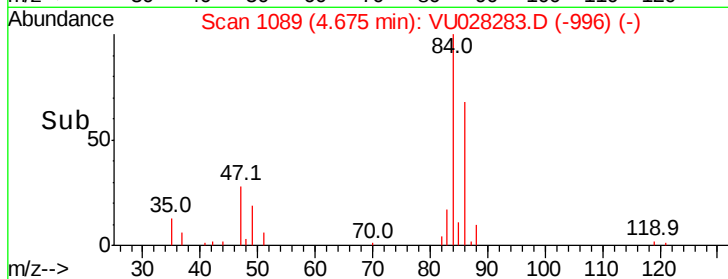
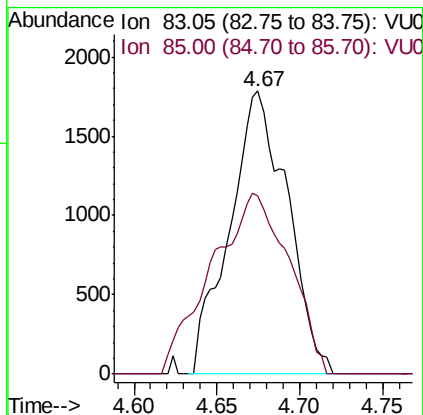
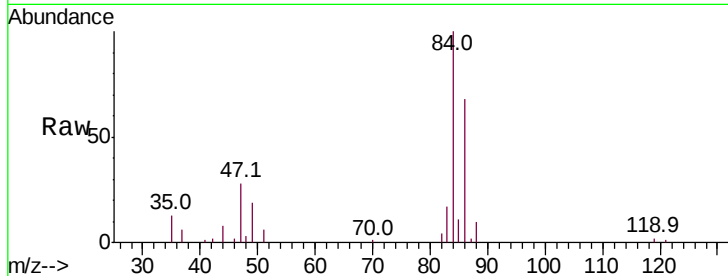




#25
Chloroform
Concen: 0.205 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028283.D
Acq: 20 Nov 2018 17:22

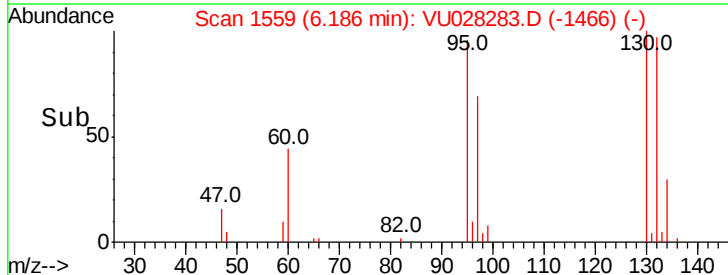
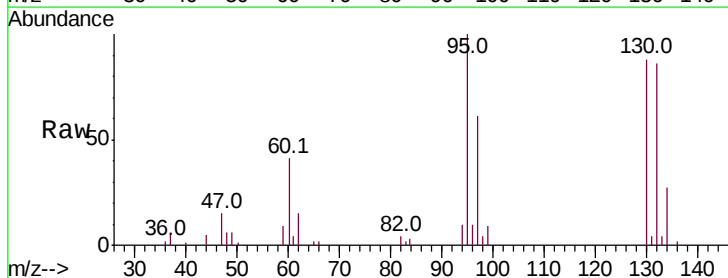
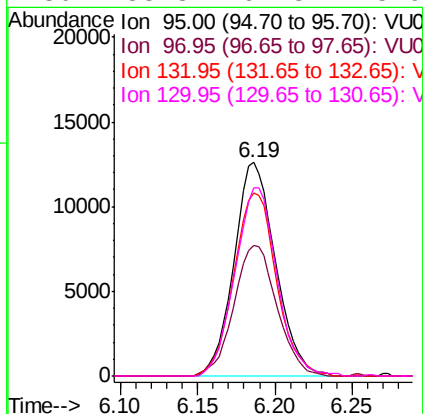
Instrument :
MSVOA_U
ClientSampleId :

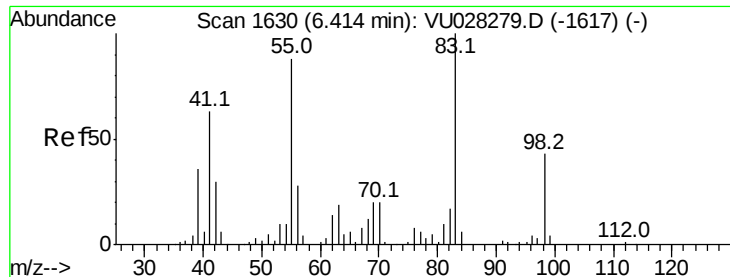
Tot Ion: 83 Resp: 4327
Ion Ratio Lower Upper
83 100
85 63.2 44.6 82.8



#34
Trichloroethene
Concen: 2.378 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028283.D
Acq: 20 Nov 2018 17:22

Tgt Ion: 95 Resp: 23469
Ion Ratio Lower Upper
95 100
97 61.2 46.5 86.3
132 85.7 58.9 109.3
130 88.3 61.3 113.9





#35

Methylcyclohexane

Concen: 0.786 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

Instrument :
MSVOA_U
ClientSampleId :

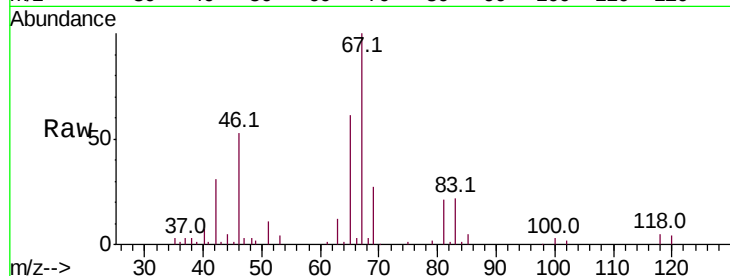
Tot Ion: 83 Resp: 12215

Ion Ratio Lower Upper

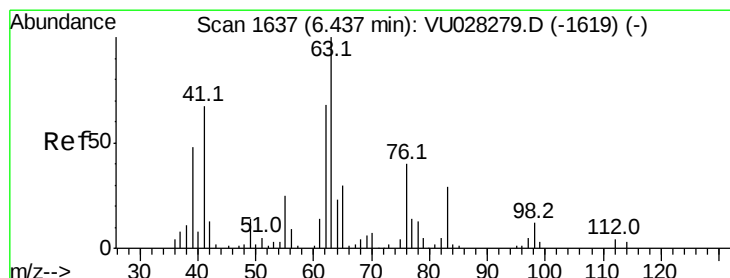
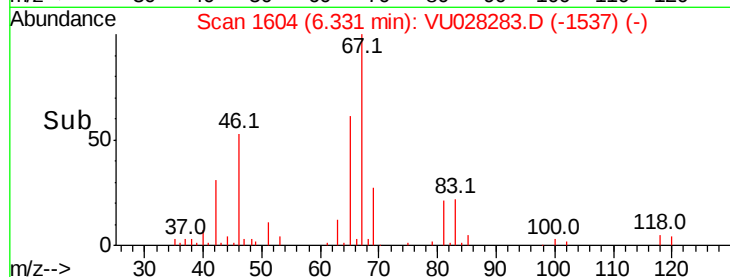
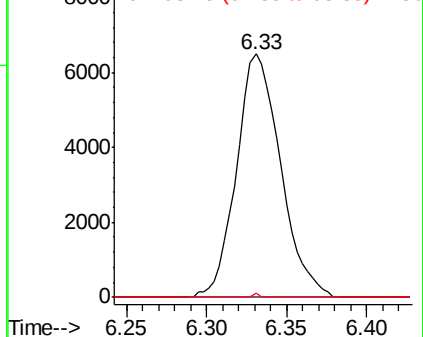
83 100

55 0.0 73.2 109.8#

98 1.6 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: 0.593 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028283.D

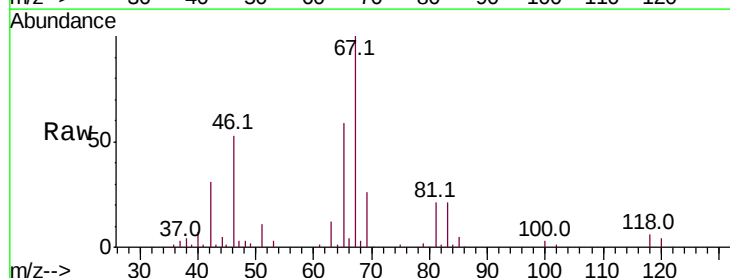
Acq: 20 Nov 2018 17:22

Tgt Ion: 63 Resp: 6818

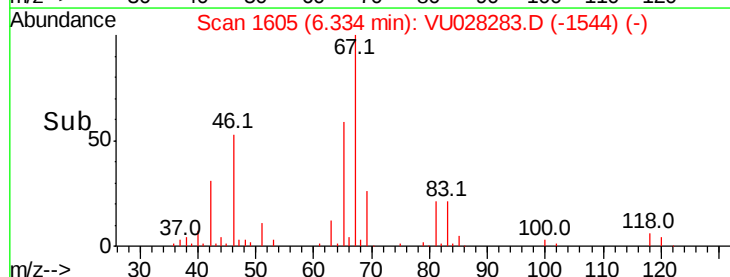
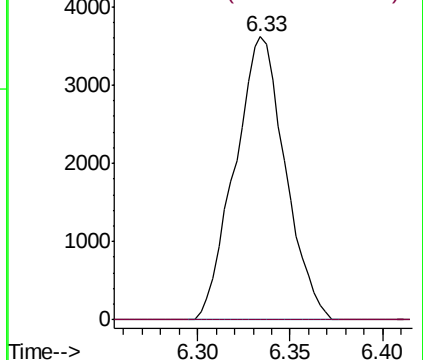
Ion Ratio Lower Upper

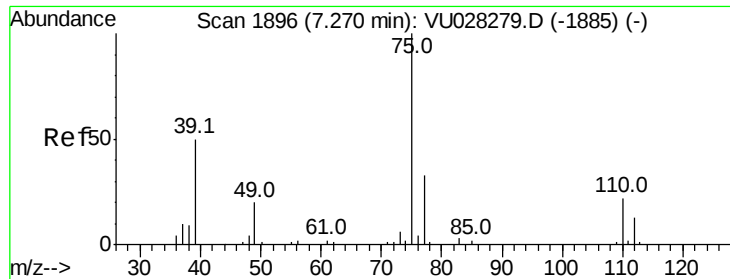
63 100

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

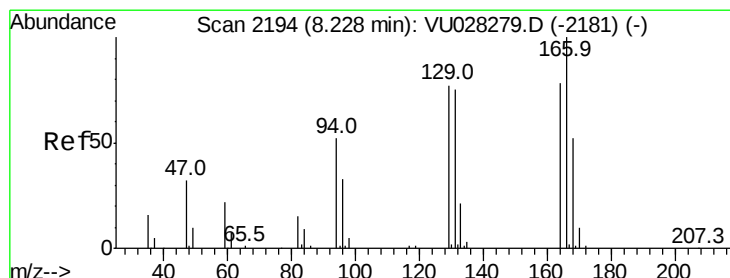
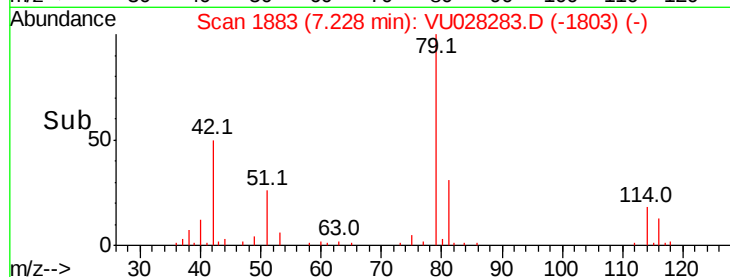
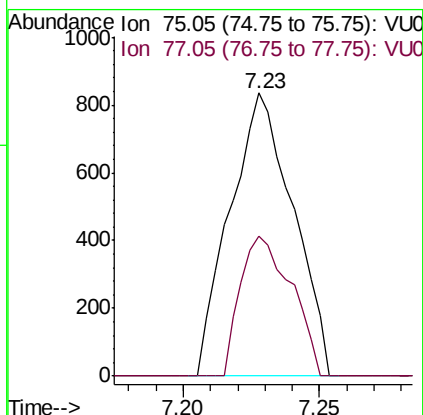
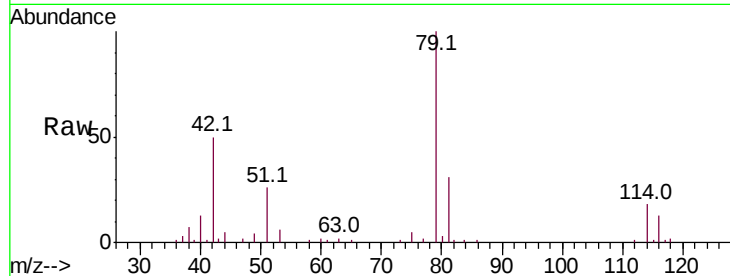




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028283.D
 Acq: 20 Nov 2018 17:22

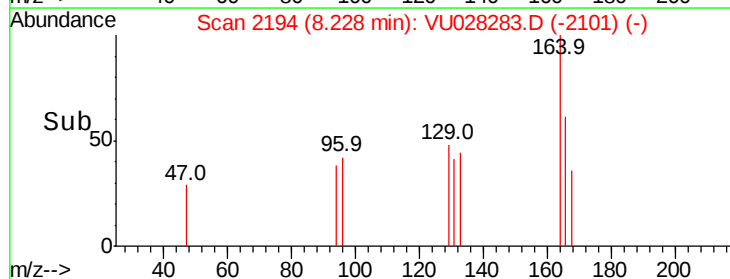
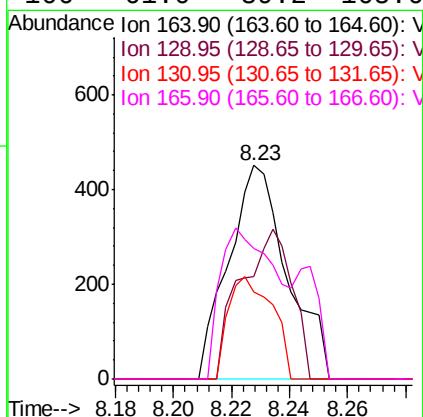
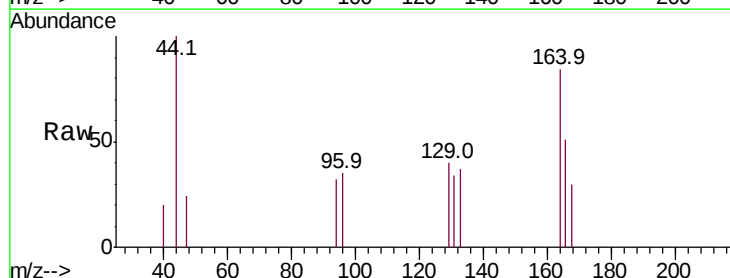
Instrument :
 MSVOA_U
 ClientSampled :

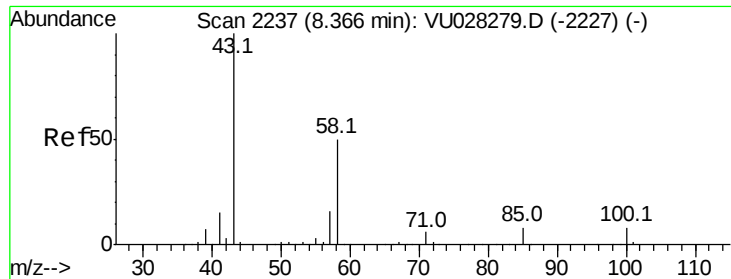
Tot Ion: 75 Resp: 1341
 Ion Ratio Lower Upper
 75 100
 77 49.5 21.7 40.3#



#47
 Tetrachloroethene
 Concen: 0.093 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU028283.D
 Acq: 20 Nov 2018 17:22

Tgt Ion: 164 Resp: 635
 Ion Ratio Lower Upper
 164 100
 129 48.1 67.6 125.6#
 131 40.6 66.3 123.1#
 166 61.0 89.2 165.6#

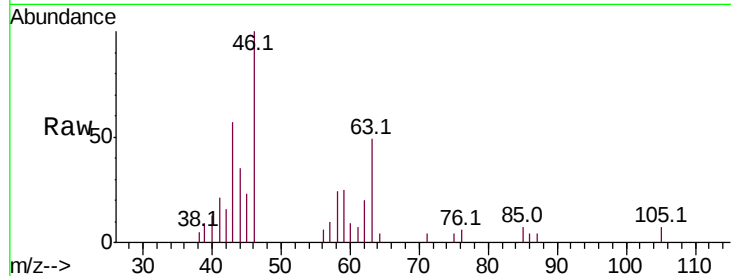




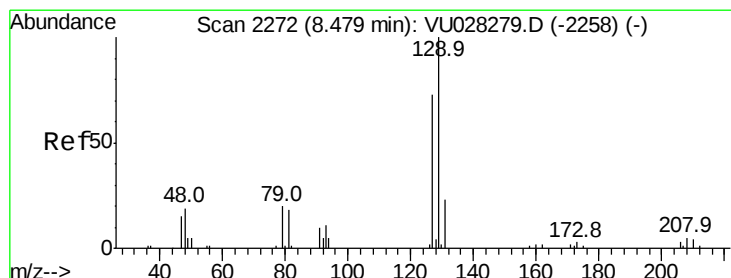
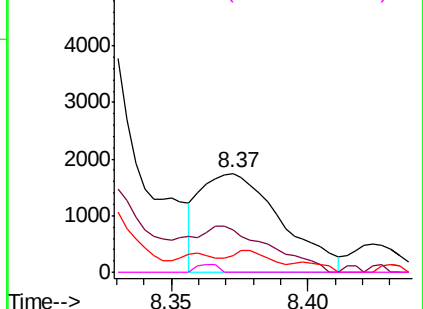
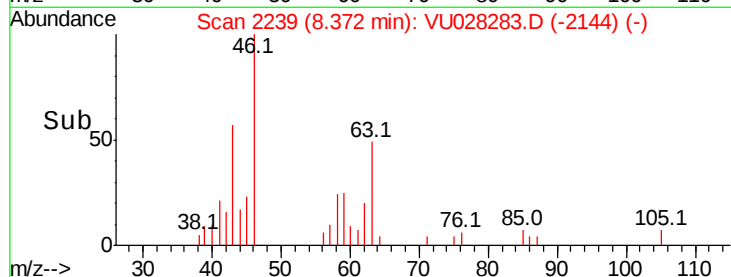
#48
2-Hexanone
Concen: 0.609 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028283.D
Acq: 20 Nov 2018 17:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3568
Ion Ratio Lower Upper
43 100
58 37.6 41.1 61.7#
57 10.5 13.8 20.8#
100 0.0 6.5 9.7#

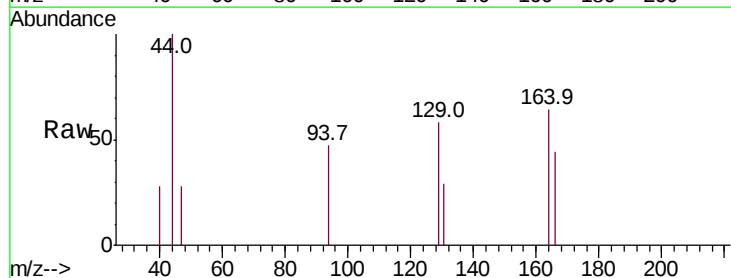


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

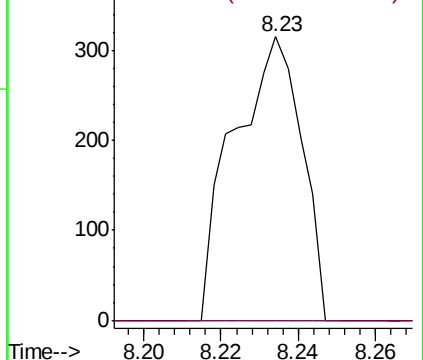
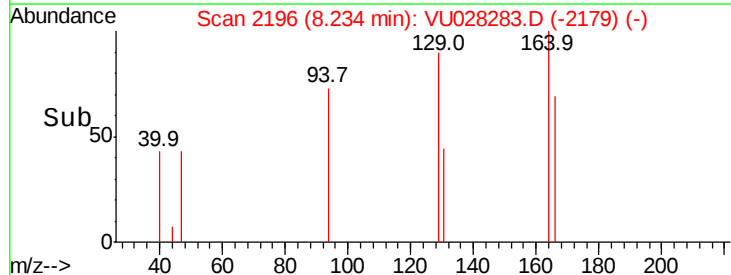


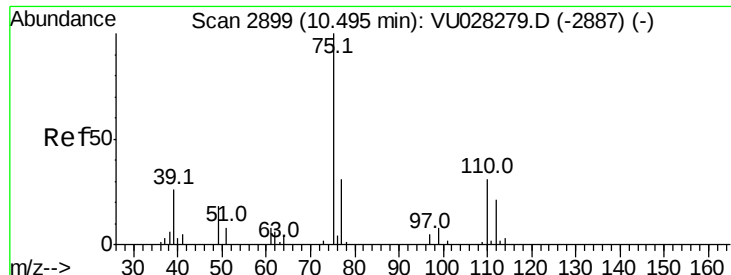
#49
Dibromochloromethane
Concen: 0.055 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VU028283.D
Acq: 20 Nov 2018 17:22

Tgt Ion: 129 Resp: 386
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.138 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028283.D

Acq: 20 Nov 2018 17:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7567

Ion Ratio Lower Upper

75 100

77 34.2 25.7 38.5

