

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112018\
 Data File : VU028287.D
 Acq On : 20 Nov 2018 18:57
 Operator : MD/SY
 Sample : J5995-17DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:11:25 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	127511	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	120152	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	51526	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38102	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.68	69	37495	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.28	63	58193	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.20	46	175595	54.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.38%
24) Chloroform-d	4.65	84	84206	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.31	65	49435	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.34	84	158912	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.33	67	62812	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.57	98	128277	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.85	79	18228	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.31	63	126391	52.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	48168	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	50862	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.41	62	1634	0.126	ug/L #	33
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	405	0.049	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	690	0.088	ug/L #	1
13) Acetone	2.33	43	1228	0.556	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	1734	0.207	ug/L	80
19) 1,1-Dichloroethane	3.45	63	837	0.043	ug/L #	63
22) cis-1,2-Dichloroethene	4.23	96	35982	3.640	ug/L	93
25) Chloroform	4.68	83	4141	0.197	ug/L	100
34) Trichloroethene	6.19	95	76619	7.894	ug/L	97
35) Methylcyclohexane	6.34	83	13336	0.872	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	6379	0.564	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1274	0.089	ug/L #	68
47) Tetrachloroethene	8.23	164	3397	0.504	ug/L	95
48) 2-Hexanone	8.37	43	4211	0.730	ug/L #	46
49) Dibromochloromethane	8.23	129	3584	0.518	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7622	1.166	ug/L	97

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Response via : Initial Calibration

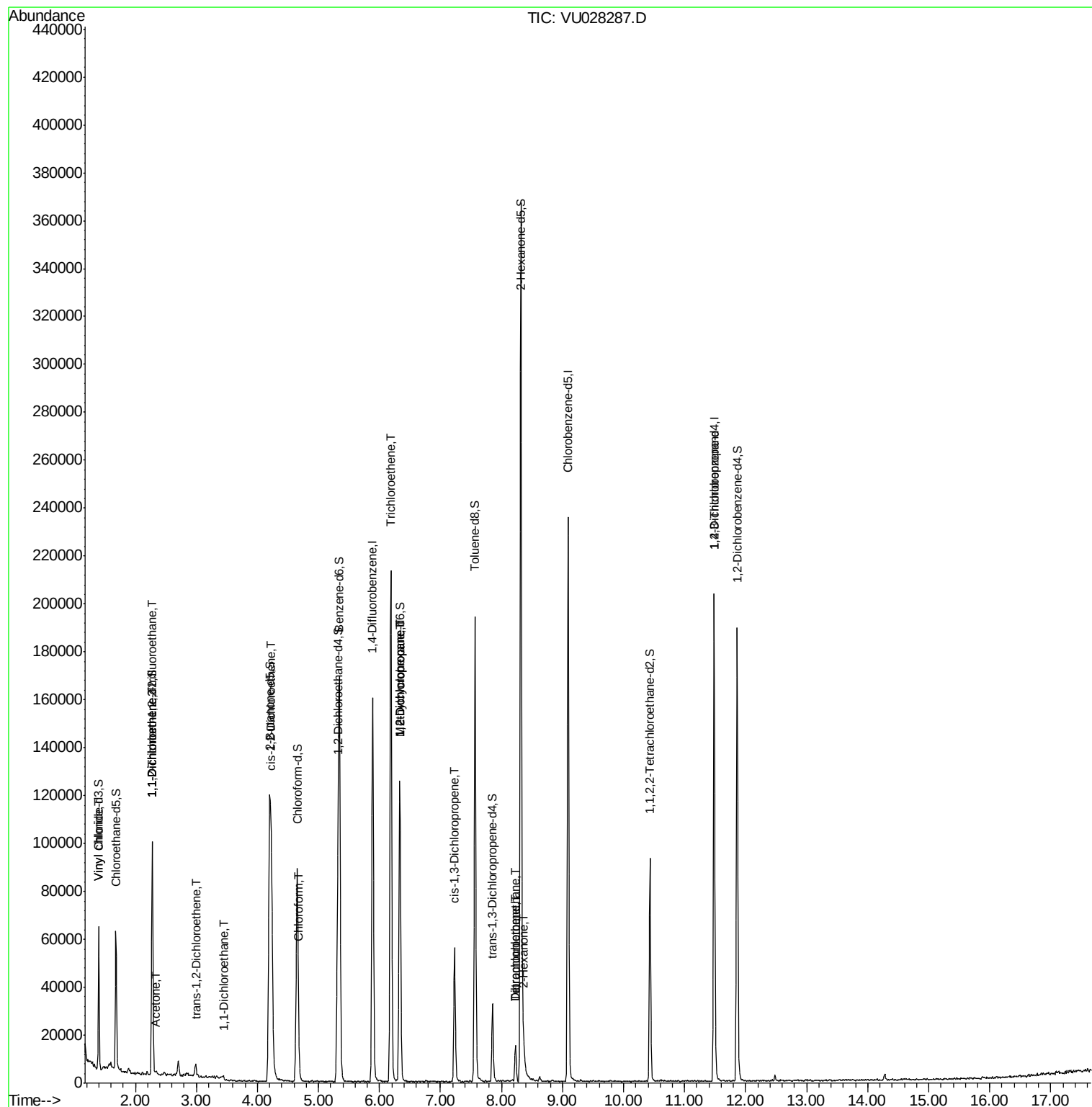
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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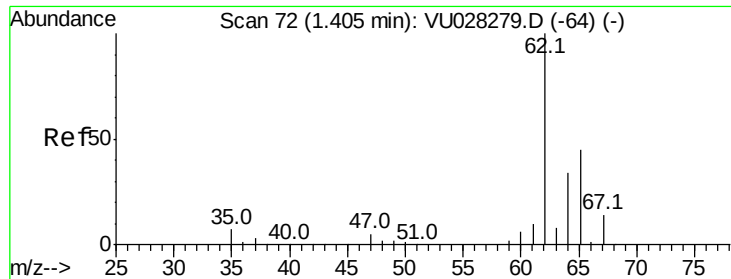
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 0.126 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

Instrument :

MSVOA_U

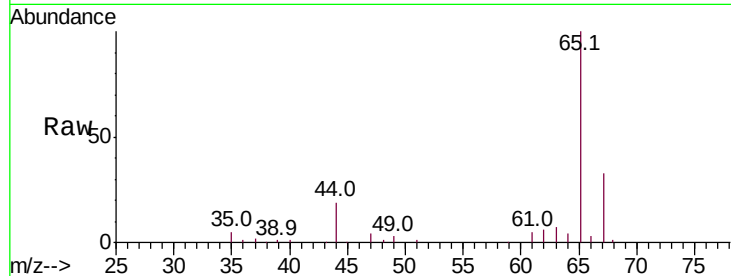
ClientSampleId :

Tot Ion: 62 Resp: 1634

Ion Ratio Lower Upper

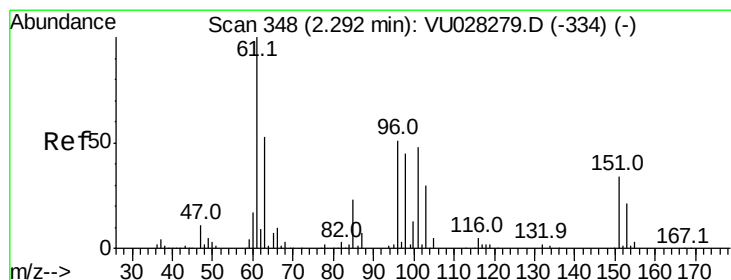
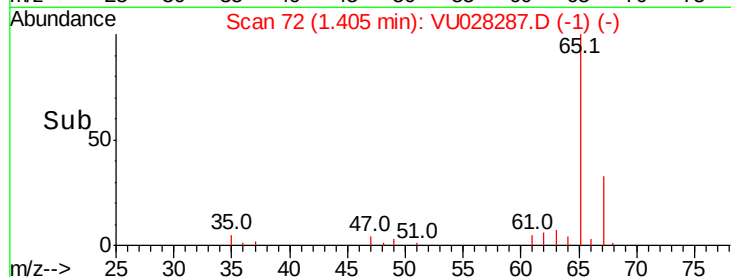
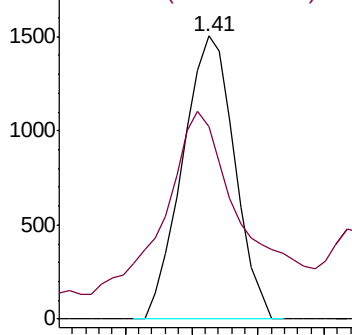
62 100

64 67.9 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: 0.049 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

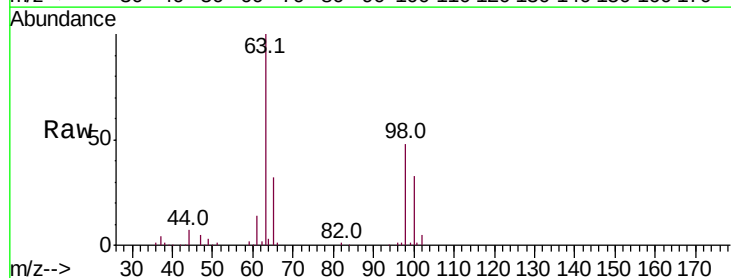
Tgt Ion: 101 Resp: 405

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

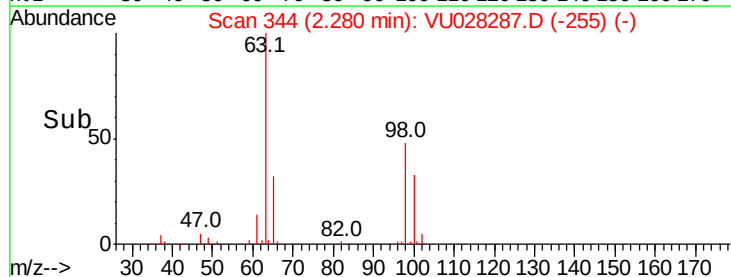
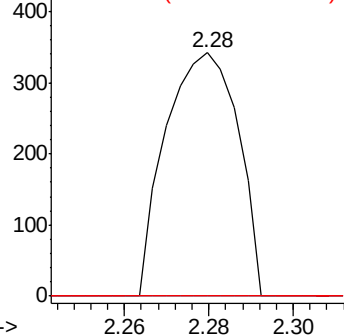
151 0.0 55.0 82.4#

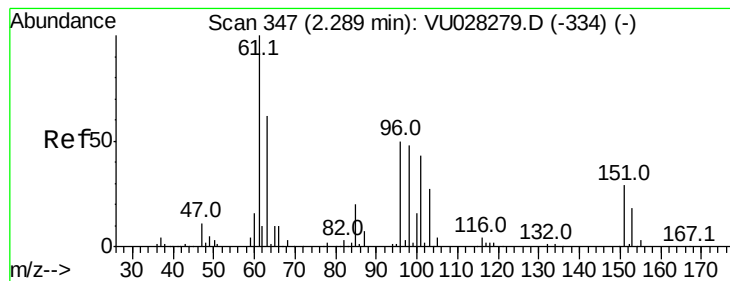


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.088 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

Instrument :

MSVOA_U

ClientSampled :

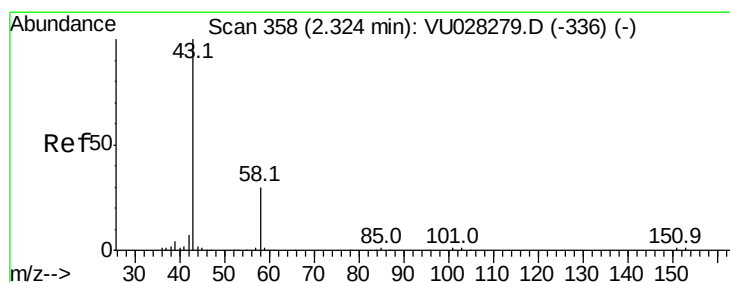
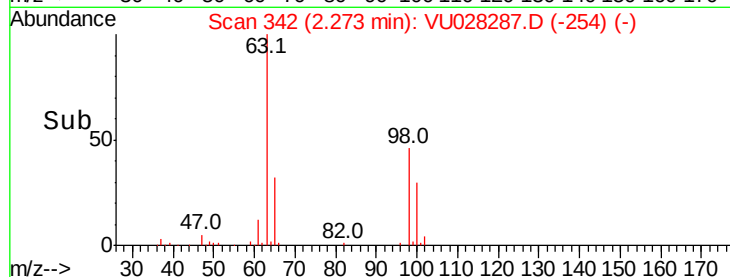
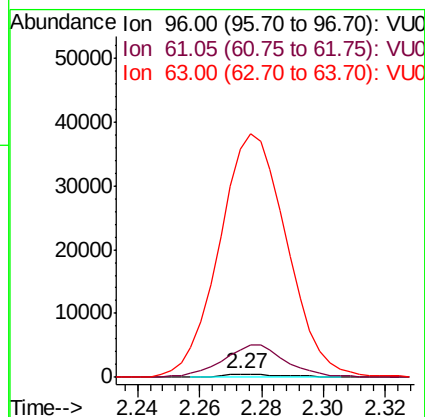
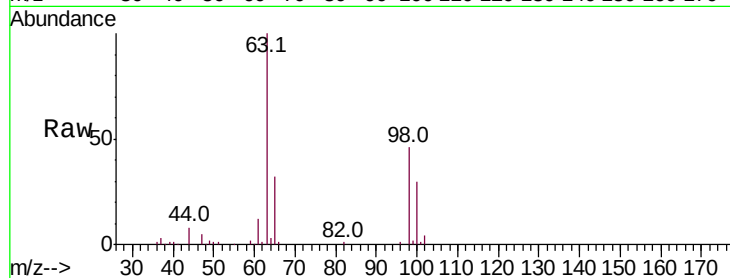
Tot Ion: 96 Resp: 690

Ion Ratio Lower Upper

96 100

61 819.4 145.5 270.1#

63 6732.1 98.6 183.2#



#13

Acetone

Concen: 0.556 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU028287.D

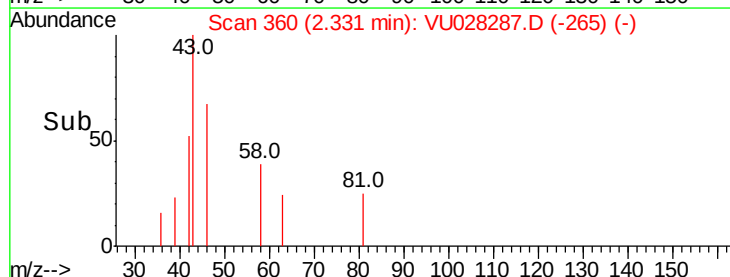
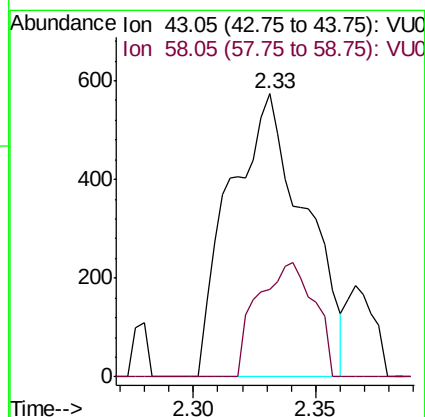
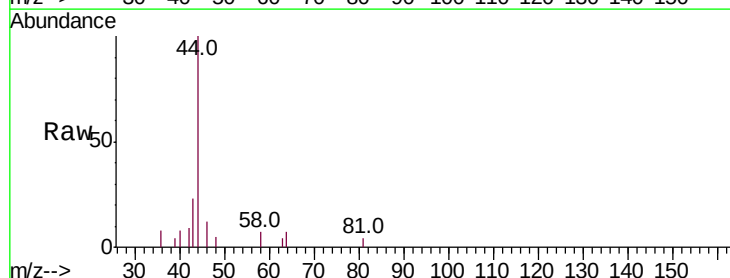
Acq: 20 Nov 2018 18:57

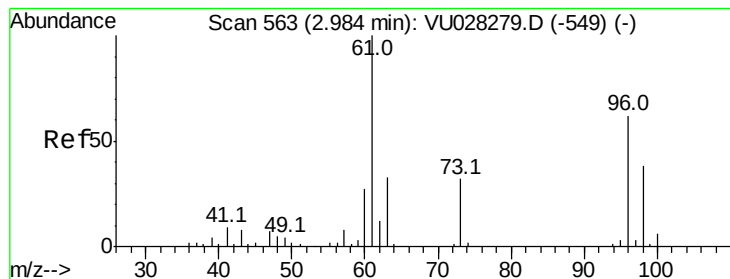
Tgt Ion: 43 Resp: 1228

Ion Ratio Lower Upper

43 100

58 30.2 0.0 58.6





#18

trans-1,2-Dichloroethene

Concen: 0.207 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

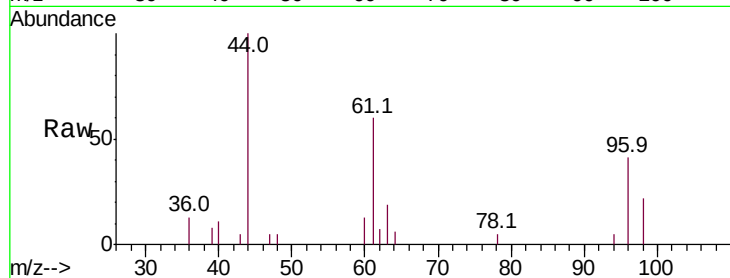
Tot Ion: 96 Resp: 1734

Ion Ratio Lower Upper

96 100

61 144.2 122.2 227.0

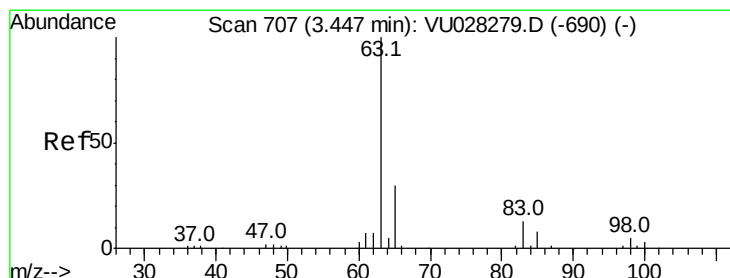
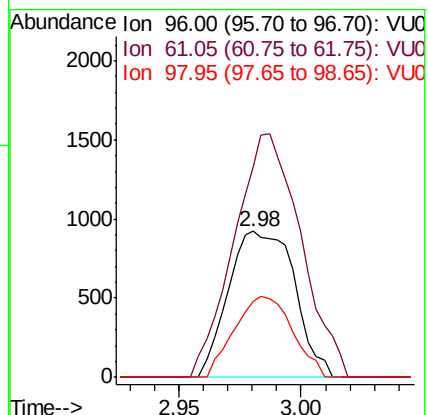
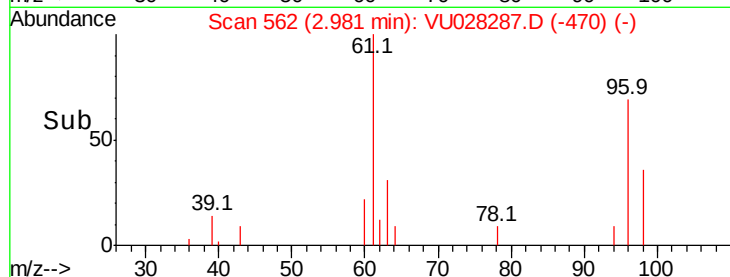
98 52.1 44.9 83.5



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: 0.043 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

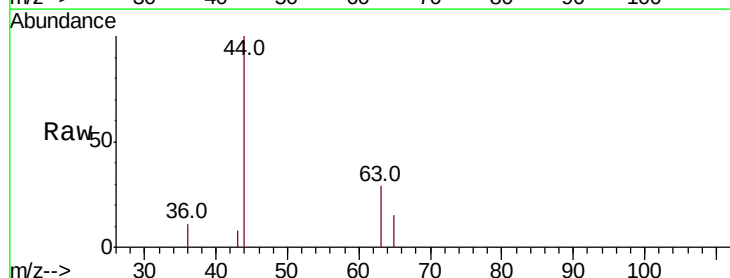
Tgt Ion: 63 Resp: 837

Ion Ratio Lower Upper

63 100

65 51.3 21.2 39.4#

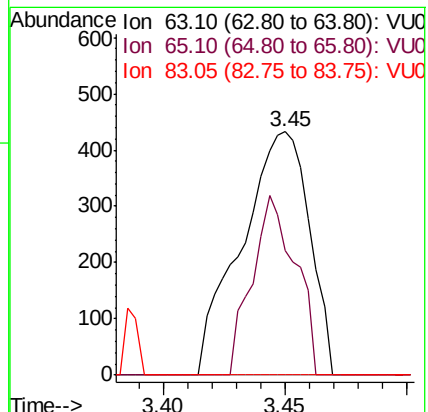
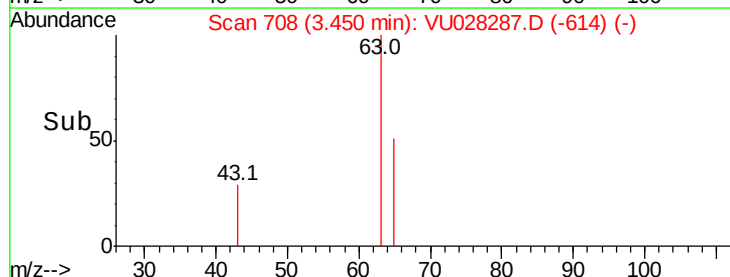
83 0.0 8.8 16.4#

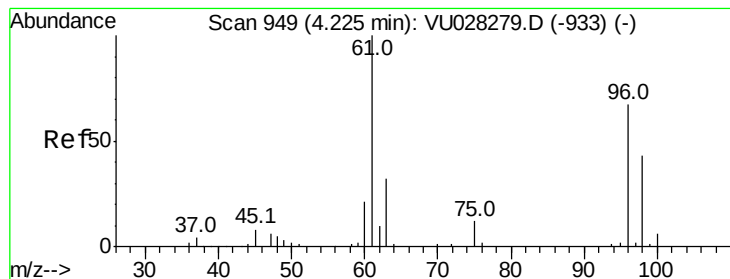


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



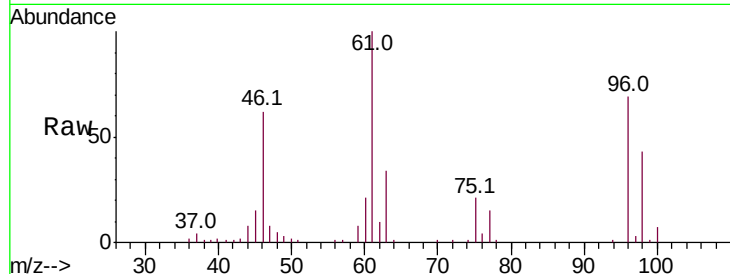


#22

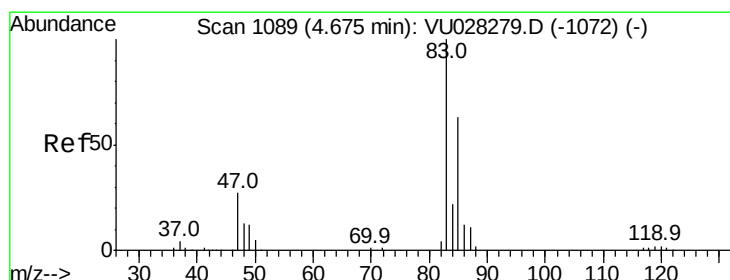
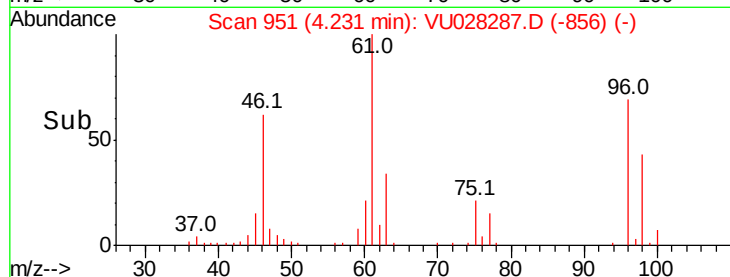
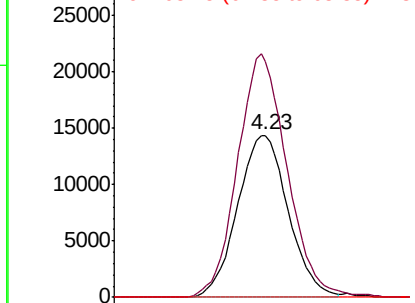
cis-1,2-Dichloroethene
Concen: 3.640 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.01 min
Lab File: VU028287.D
Acq: 20 Nov 2018 18:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 35982
Ion Ratio Lower Upper
96 100
61 145.1 108.0 200.6
68 0.0 0.0 0.0



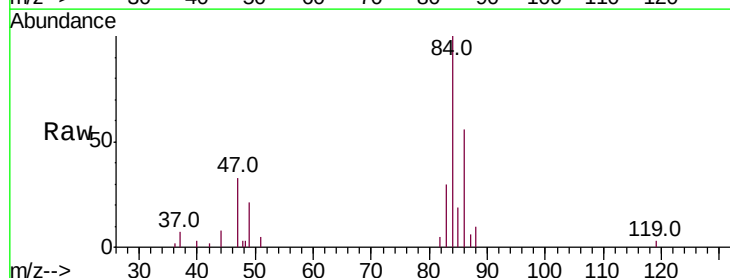
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



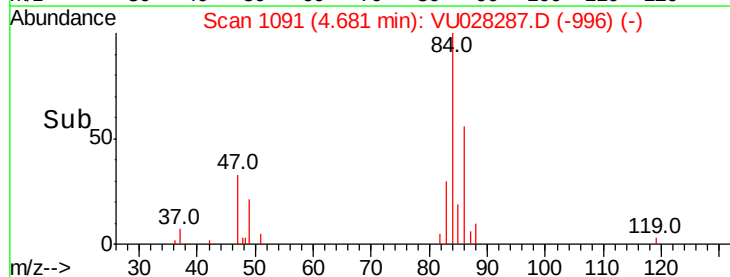
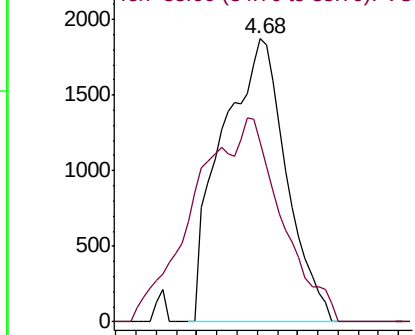
#25

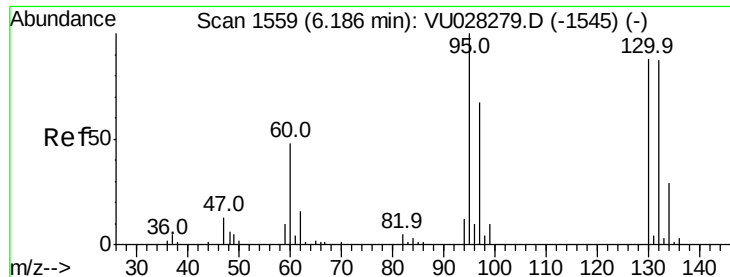
Chloroform
Concen: 0.197 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU028287.D
Acq: 20 Nov 2018 18:57

Tgt Ion: 83 Resp: 4141
Ion Ratio Lower Upper
83 100
85 63.4 44.6 82.8



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





#34

Trichloroethene

Concen: 7.894 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 76619

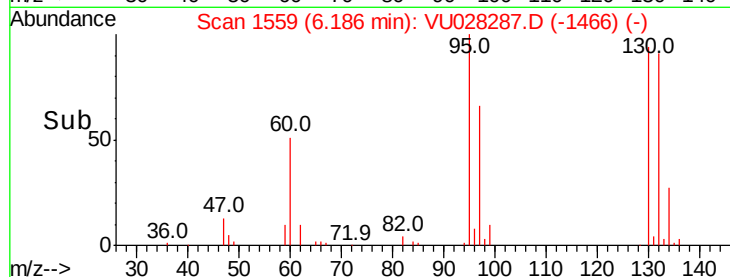
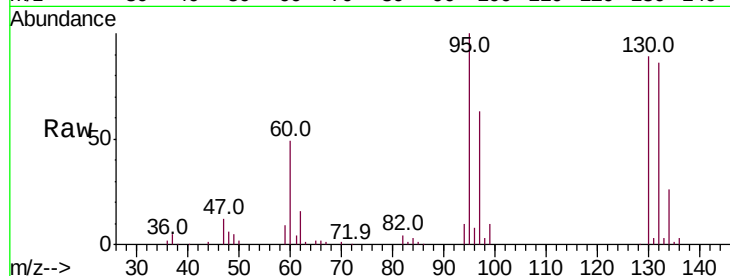
Ion Ratio Lower Upper

95 100

97 62.8 46.5 86.3

132 86.4 58.9 109.3

130 88.8 61.3 113.9

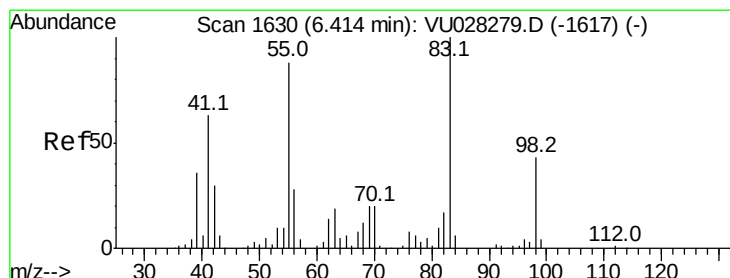
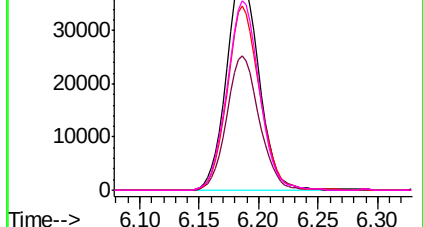


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.872 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.08 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

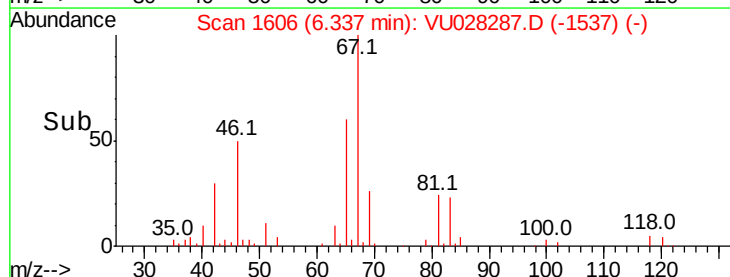
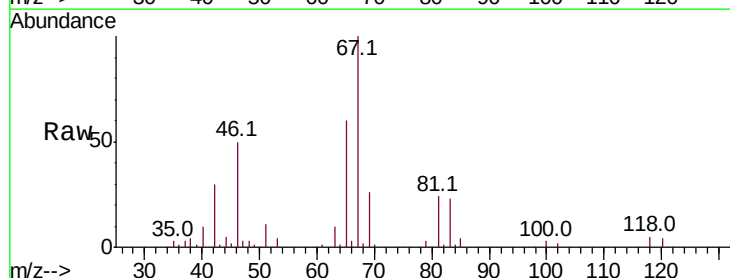
Tgt Ion: 83 Resp: 13336

Ion Ratio Lower Upper

83 100

55 0.2 73.2 109.8#

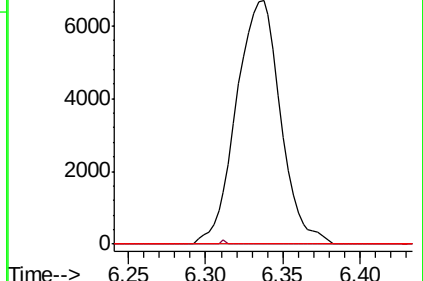
98 0.0 33.4 50.2#

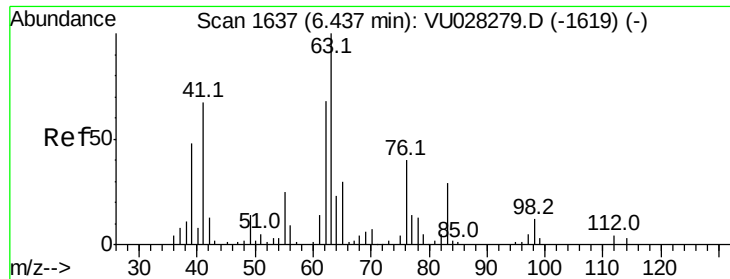


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

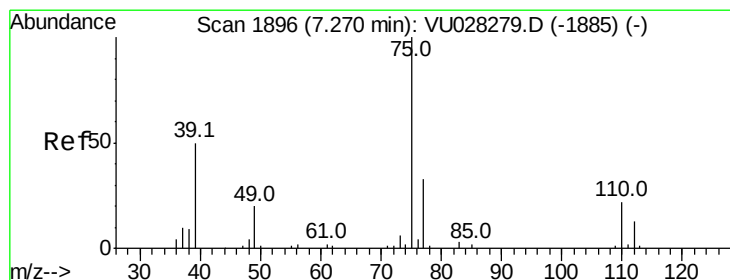
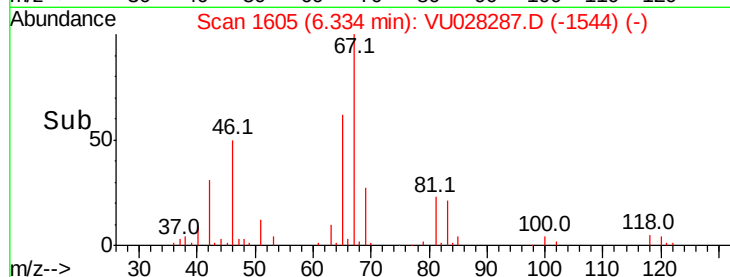
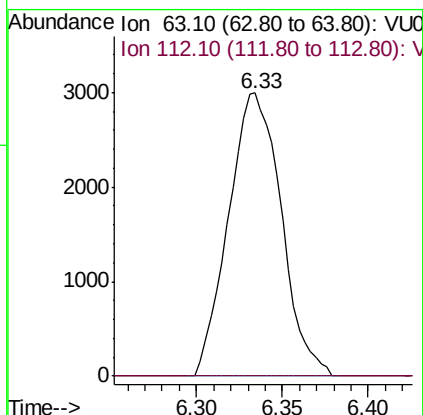
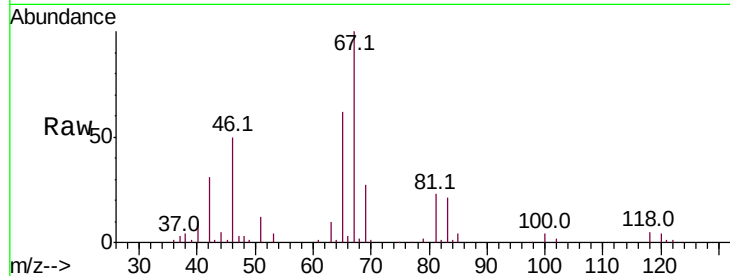




#37
 1,2-Dichloropropane
 Concen: 0.564 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028287.D
 Acq: 20 Nov 2018 18:57

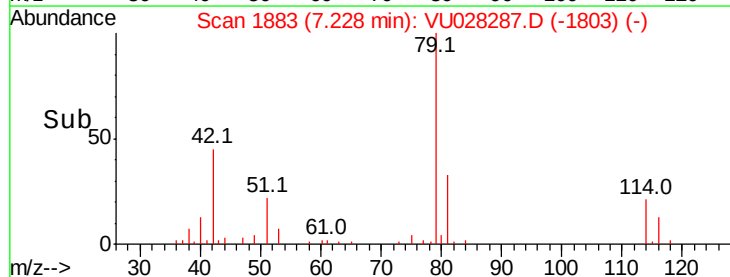
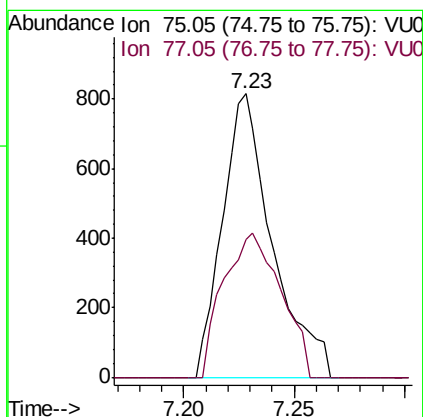
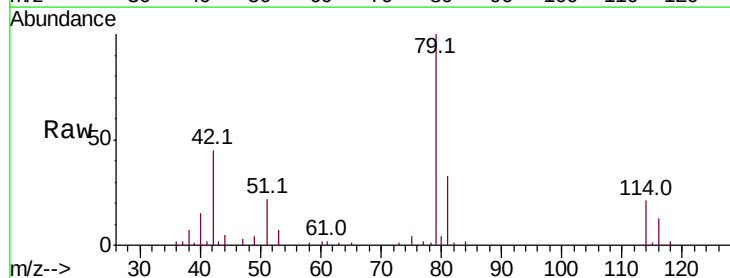
Instrument :
 MSVOA_U
 ClientSampled :

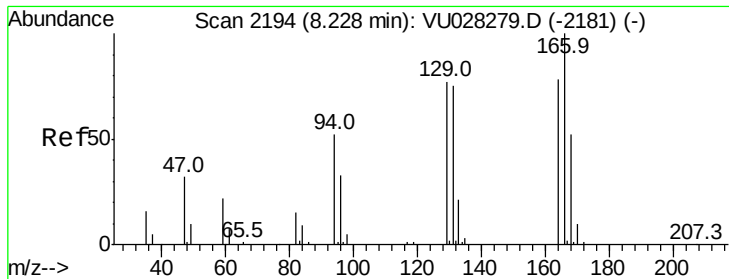
Tot Ion: 63 Resp: 6379
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028287.D
 Acq: 20 Nov 2018 18:57

Tgt Ion: 75 Resp: 1274
 Ion Ratio Lower Upper
 75 100
 77 48.7 21.7 40.3#

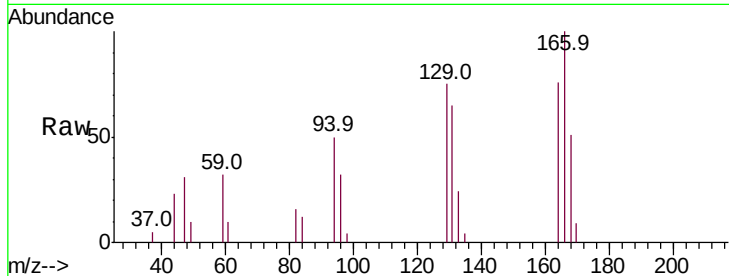




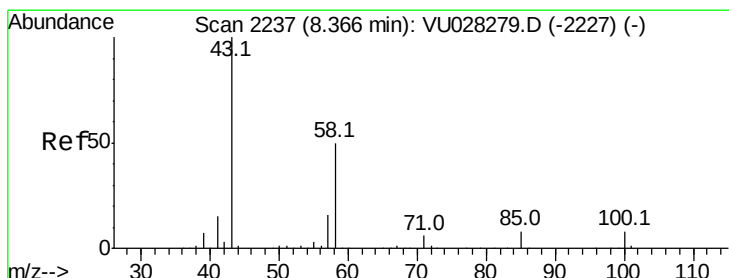
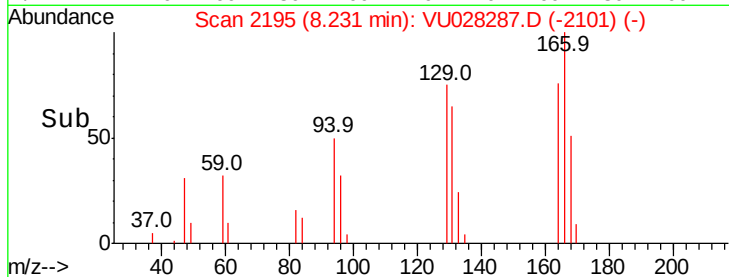
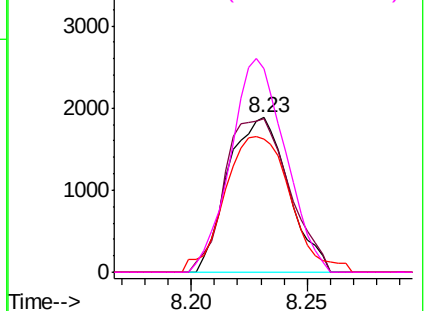
#47
Tetrachloroethene
Concen: 0.504 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028287.D
Acq: 20 Nov 2018 18:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 3397
Ion Ratio Lower Upper
164 100
129 99.6 67.6 125.6
131 86.0 66.3 123.1
166 131.9 89.2 165.6

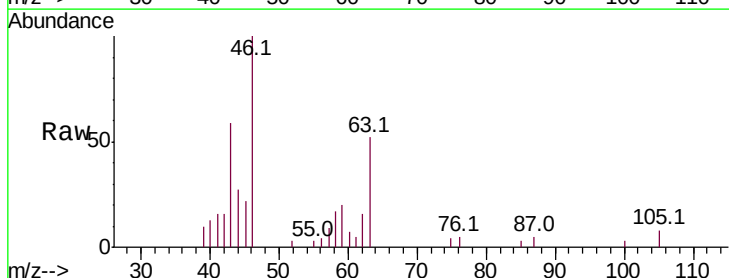


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

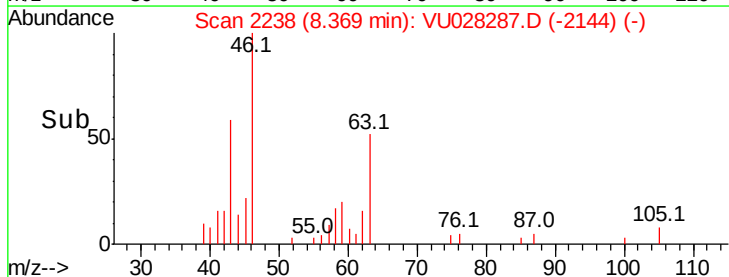
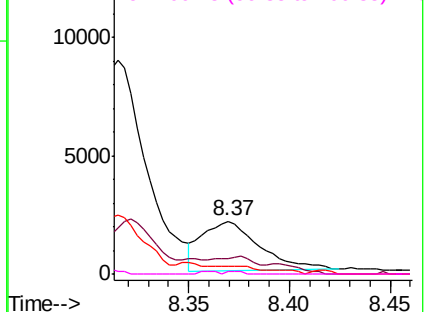


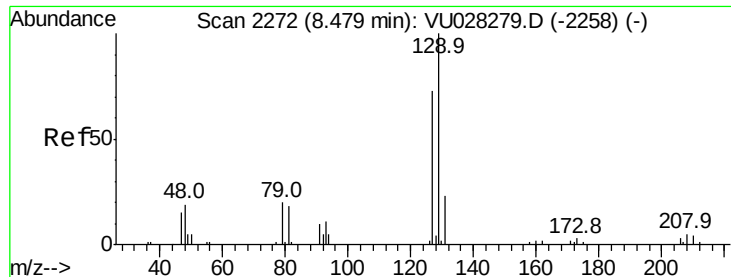
#48
2-Hexanone
Concen: 0.730 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU028287.D
Acq: 20 Nov 2018 18:57

Tgt Ion: 43 Resp: 4211
Ion Ratio Lower Upper
43 100
58 6.5 41.1 61.7#
57 0.0 13.8 20.8#
100 1.6 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: 0.518 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028287.D

Acq: 20 Nov 2018 18:57

Instrument :

MSVOA_U

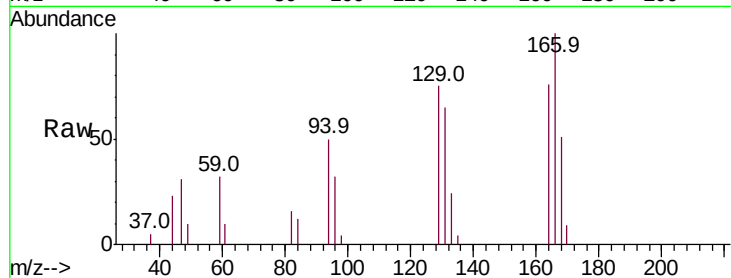
ClientSampled :

Tot Ion:129 Resp: 3584

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

8.23

2000

1500

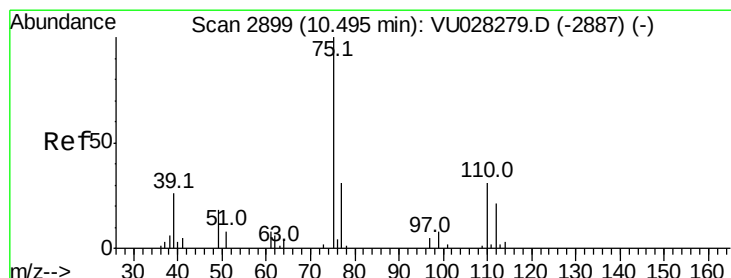
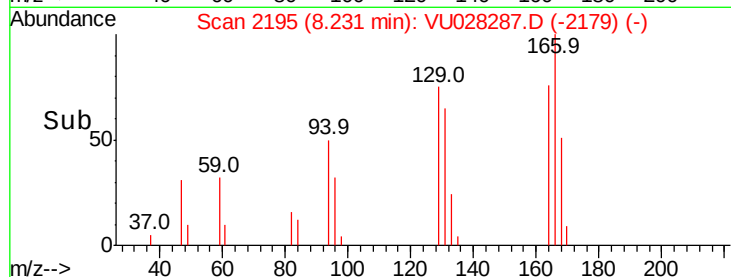
1000

500

0

8.20 8.25

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.166 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028287.D

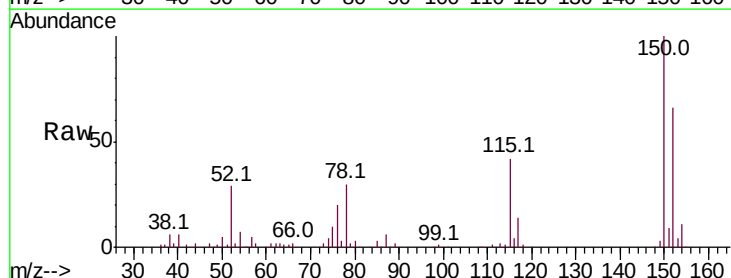
Acq: 20 Nov 2018 18:57

Tgt Ion: 75 Resp: 7622

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

5000

4000

3000

2000

1000

0

11.45 11.50

Time-->

