

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112018\
 Data File : VU028280.D
 Acq On : 20 Nov 2018 16:04
 Operator : MD/SY
 Sample : VU1120WBL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:10:22 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	126799	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	117364	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49736	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.67	69	52389	6.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.20%
11) 1,1-Dichloroethene-d2	2.27	63	73111	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.20	46	132296	41.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.86%
24) Chloroform-d	4.65	84	87494	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	48966	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.34	84	175204	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.33	67	64600	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.57	98	148979	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.85	79	16456	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.31	63	108064	45.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44642	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	47555	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

					Ovalue
3) Chloromethane	1.33	50	4317	0.319 ug/L	95
6) Bromomethane	1.63	94	578	0.100 ug/L #	56
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	491	0.060 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	775	0.099 ug/L #	1
13) Acetone	2.33	43	1647	0.750 ug/L	79
15) Methyl Acetate	2.62	43	1213	0.208 ug/L #	59
16) Methylene chloride	2.70	84	2142	0.218 ug/L #	89
25) Chloroform	4.67	83	5136	0.246 ug/L	93
35) Methylcyclohexane	6.33	83	12872	0.862 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	6606	0.598 ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1181	0.084 ug/L #	80
48) 2-Hexanone	8.38	43	4618	0.820 ug/L #	88
49) Dibromochloromethane	8.23	129	311	0.046 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7005	1.097 ug/L	94
69) Naphthalene	13.76	128	1773	0.105 ug/L #	80
70) 1,2,3-Trichlorobenzene	14.00	180	646	0.072 ug/L #	86

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Response via : Initial Calibration

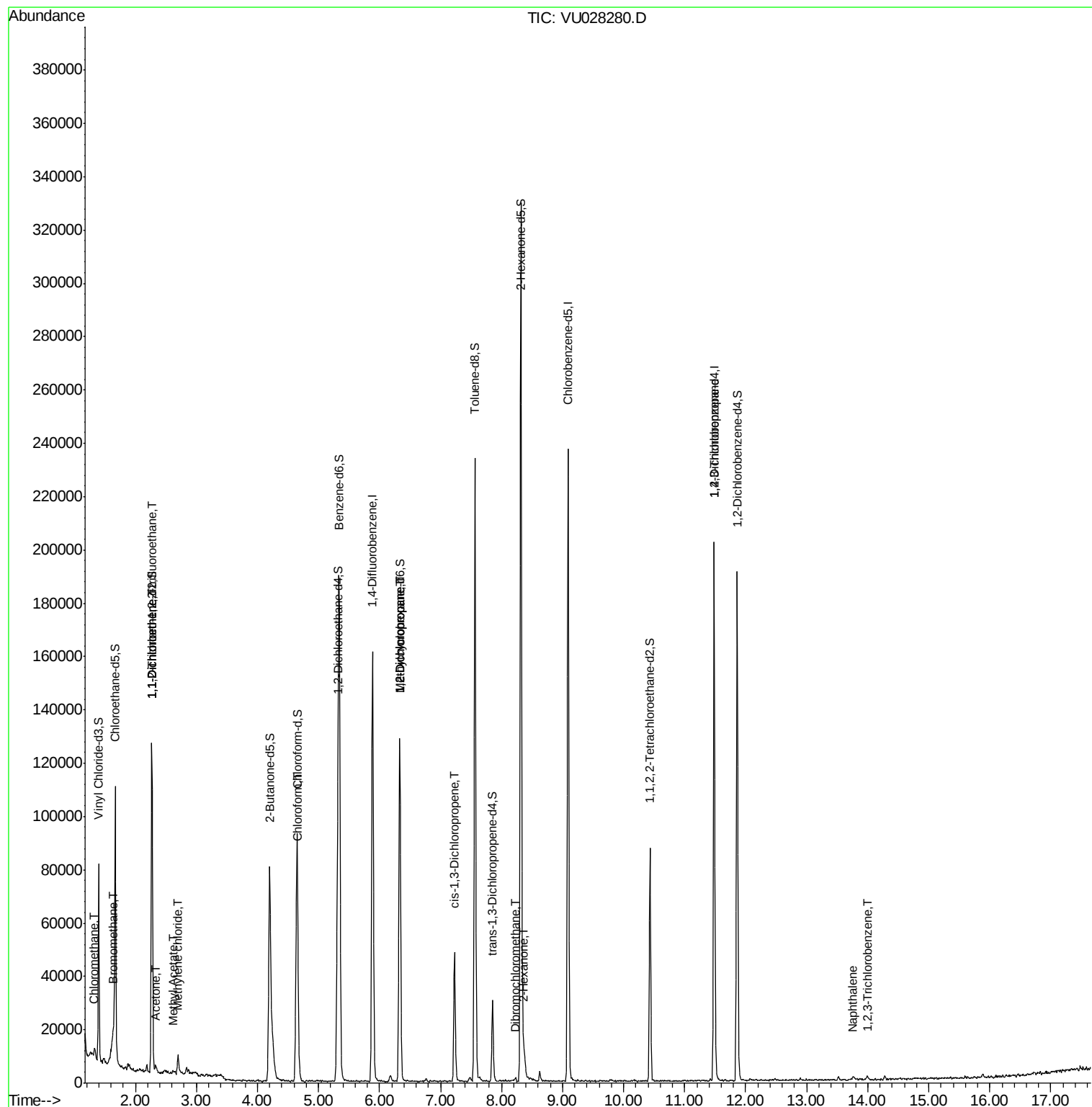
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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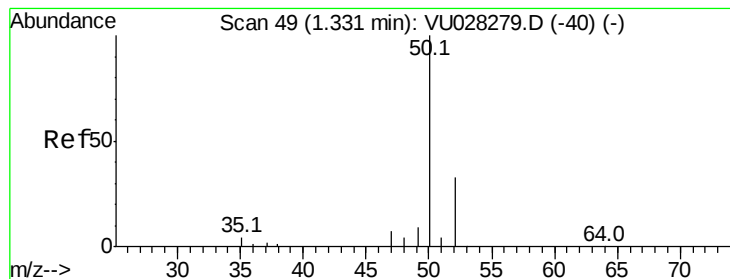
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.319 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

Instrument :

MSVOA_U

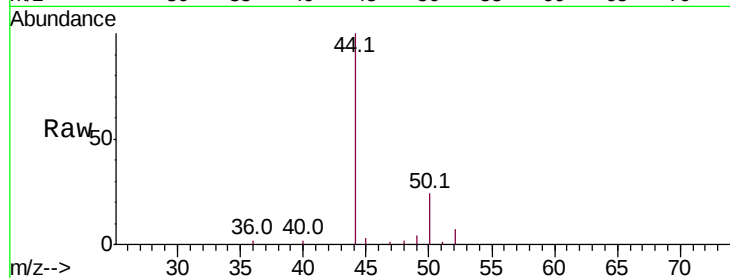
ClientSampled :

Tot Ion: 50 Resp: 4317

Ion Ratio Lower Upper

50 100

52 29.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU028279.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU028280.D (-49) (-)

1.33

2000

1500

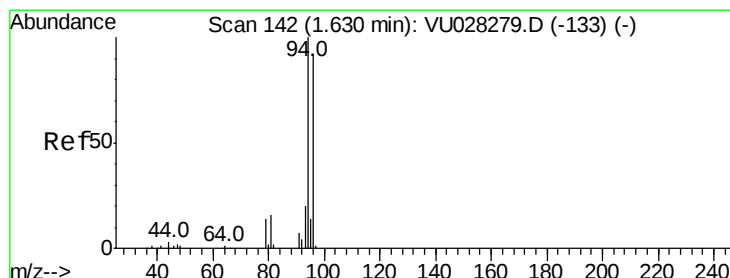
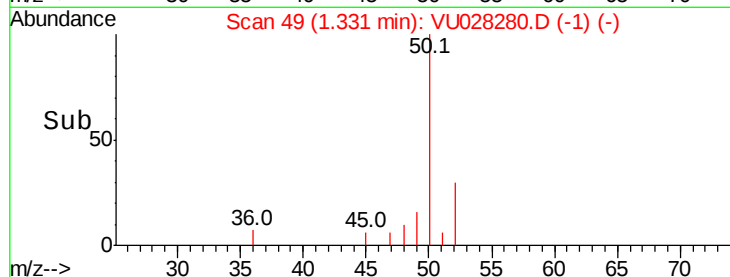
1000

500

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 0.100 ug/L

RT: 1.63 min Scan# 141

Delta R.T. -0.00 min

Lab File: VU028280.D

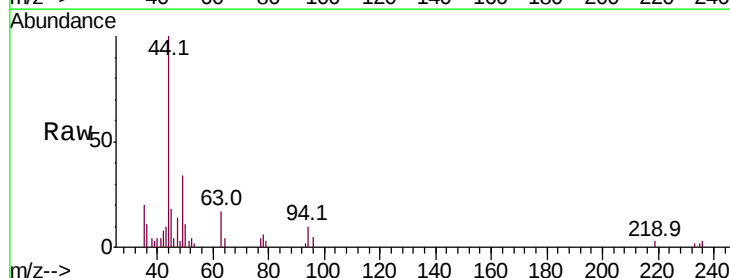
Acq: 20 Nov 2018 16:04

Tgt Ion: 94 Resp: 578

Ion Ratio Lower Upper

94 100

96 49.0 63.6 118.0#



Abundance Ion 94.00 (93.70 to 94.70): VU028279.D (-133) (-)

Ion 96.00 (95.70 to 96.70): VU028280.D (-141) (-)

1.63

600

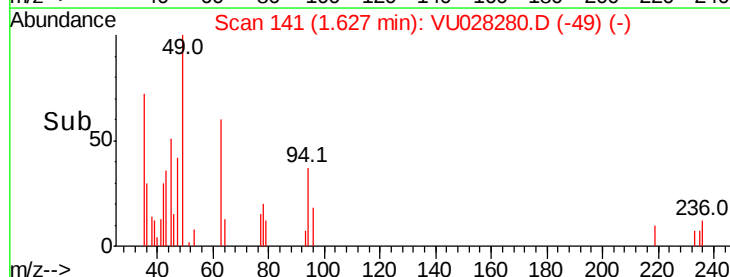
400

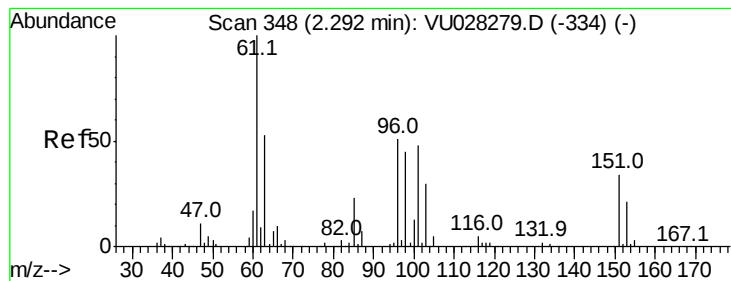
200

0

Time-->

1.60 1.62 1.64





#10

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

Concen: 0.060 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

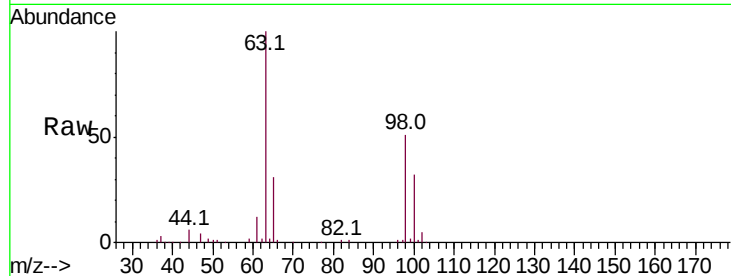
Tot Ion:101 Resp: 491

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

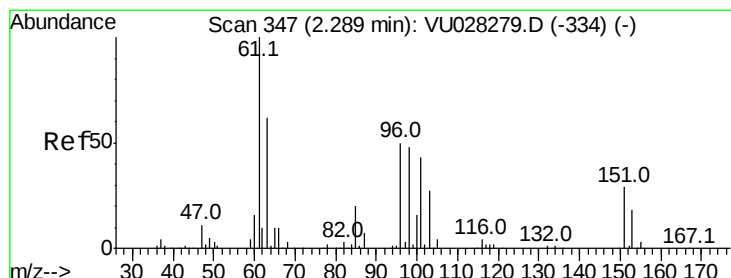
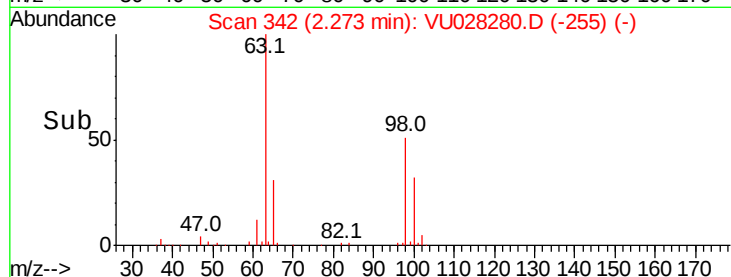
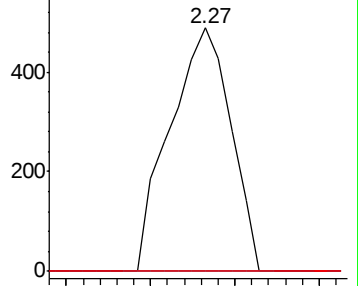
151 0.0 55.0 82.4#



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: 0.099 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

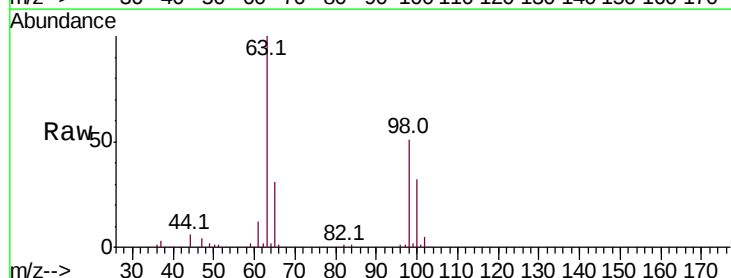
Tgt Ion: 96 Resp: 775

Ion Ratio Lower Upper

96 100

61 1008.0 145.5 270.1#

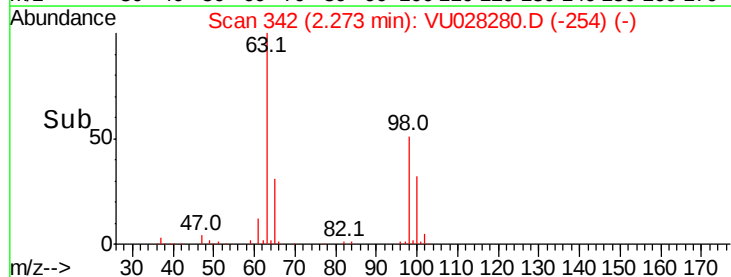
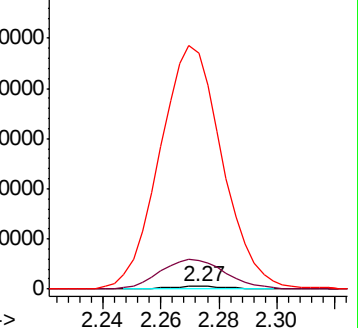
63 8176.7 98.6 183.2#

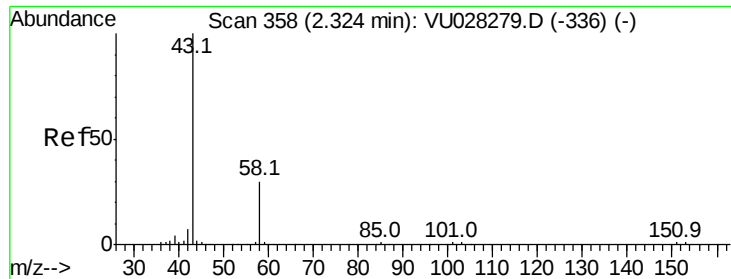


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.750 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

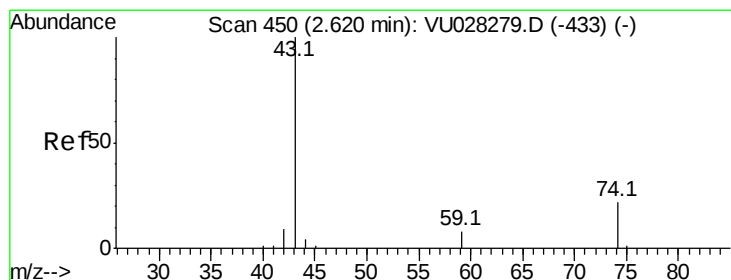
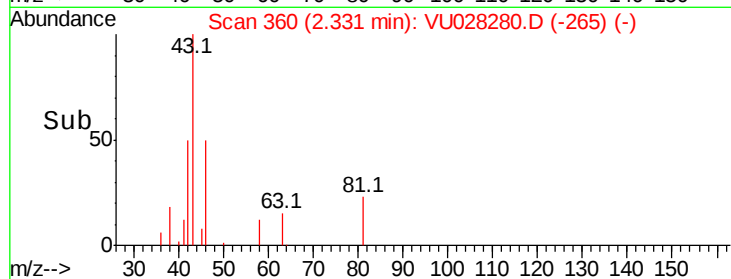
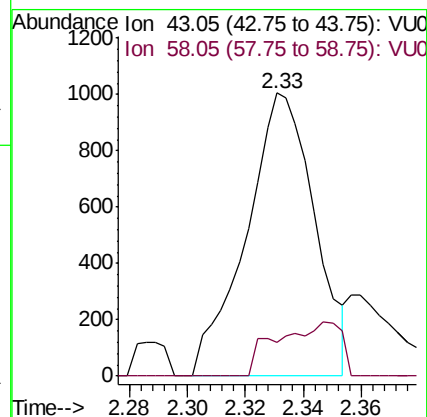
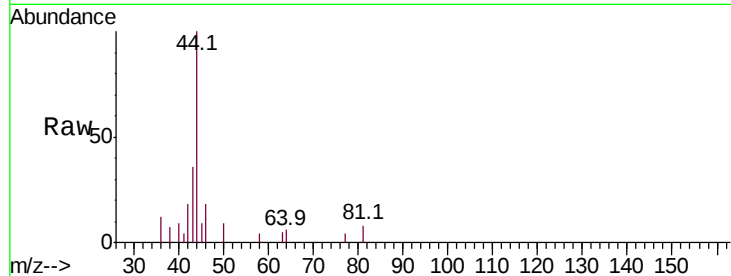
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1647

Ion Ratio Lower Upper

43 100

58 17.9 0.0 58.6



#15

Methyl Acetate

Concen: 0.208 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU028280.D

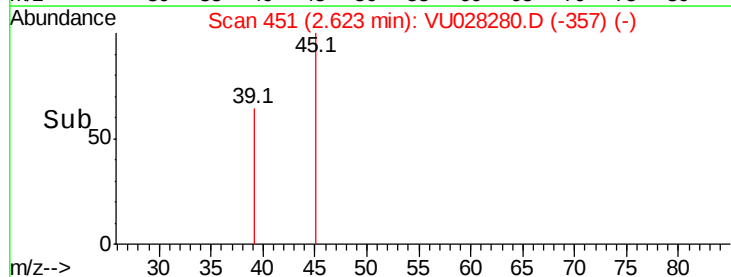
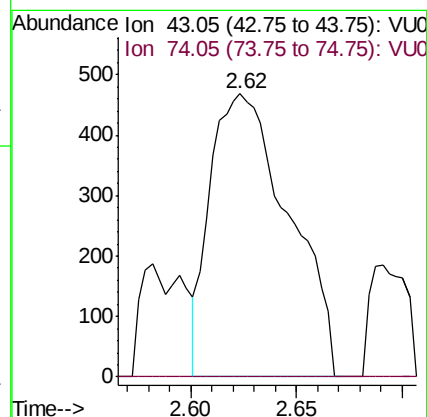
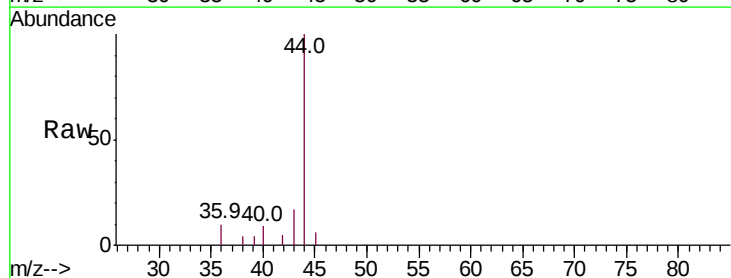
Acq: 20 Nov 2018 16:04

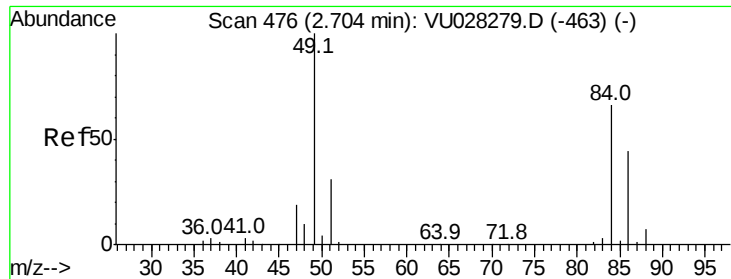
Tgt Ion: 43 Resp: 1213

Ion Ratio Lower Upper

43 100

74 0.0 14.7 22.1#

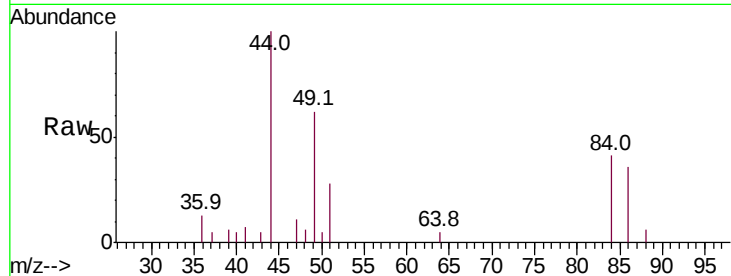




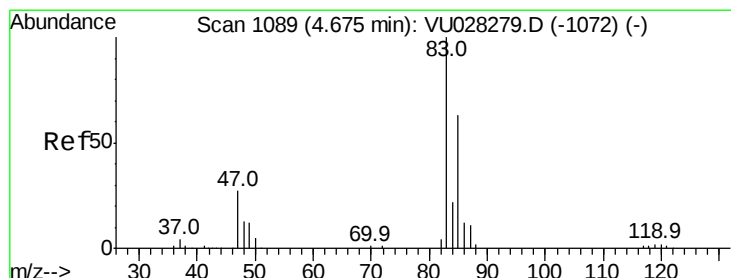
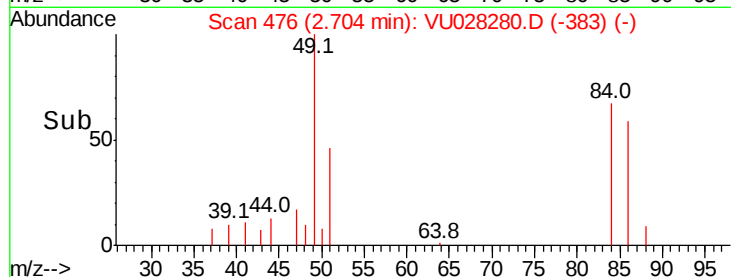
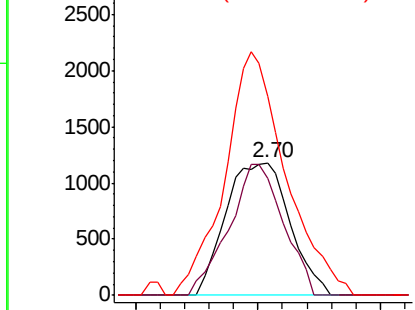
#16
Methvlene chloride
Concen: 0.218 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU028280.D
Acq: 20 Nov 2018 16:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 2142
Ion Ratio Lower Upper
84 100
86 87.9 45.3 84.1#
49 149.9 107.9 200.5

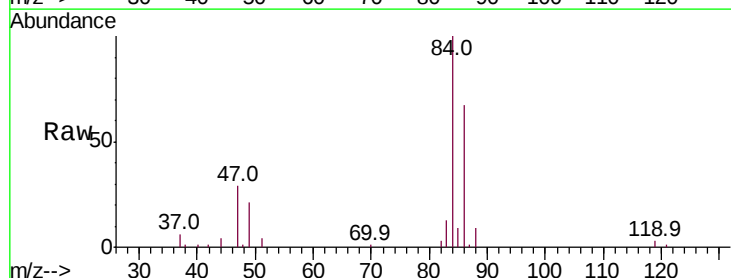


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

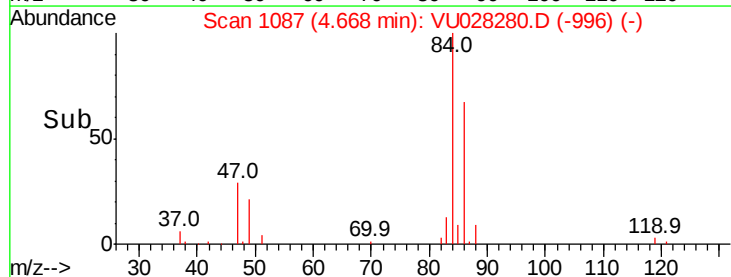
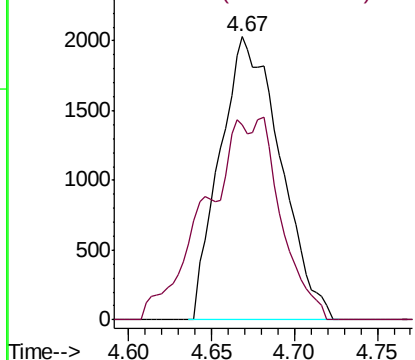


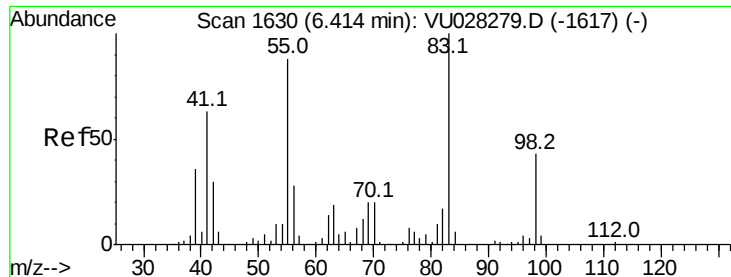
#25
Chloroform
Concen: 0.246 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VU028280.D
Acq: 20 Nov 2018 16:04

Tgt Ion: 83 Resp: 5136
Ion Ratio Lower Upper
83 100
85 69.0 44.6 82.8



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





#35

Methylcyclohexane

Concen: 0.862 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

Instrument :

MSVOA_U

ClientSampleId :

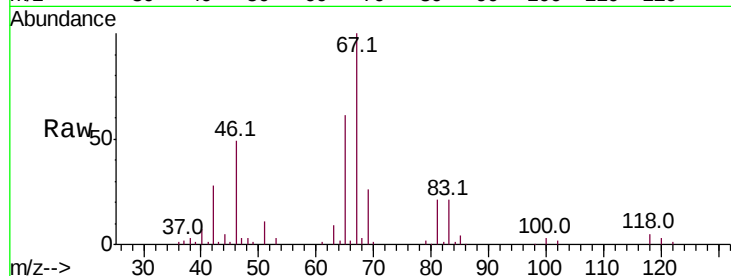
Tot Ion: 83 Resp: 12872

Ion Ratio Lower Upper

83 100

55 0.2 73.2 109.8#

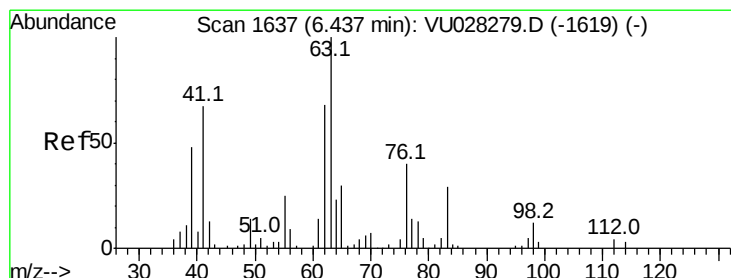
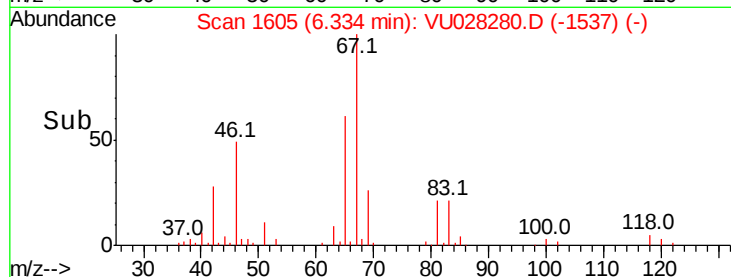
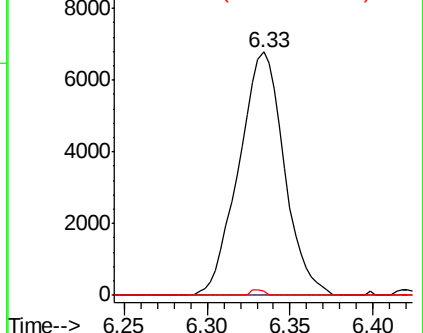
98 0.6 33.4 50.2#



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: 0.598 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.11 min

Lab File: VU028280.D

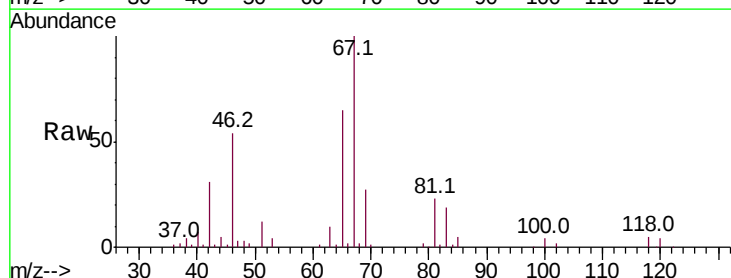
Acq: 20 Nov 2018 16:04

Tgt Ion: 63 Resp: 6606

Ion Ratio Lower Upper

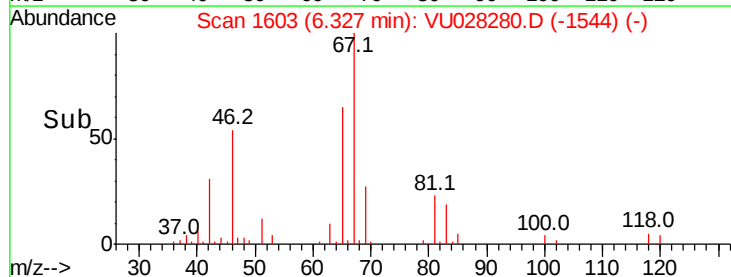
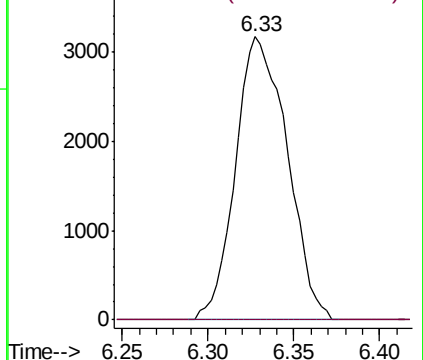
63 100

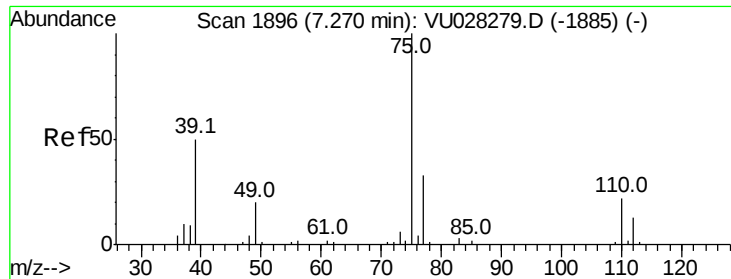
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



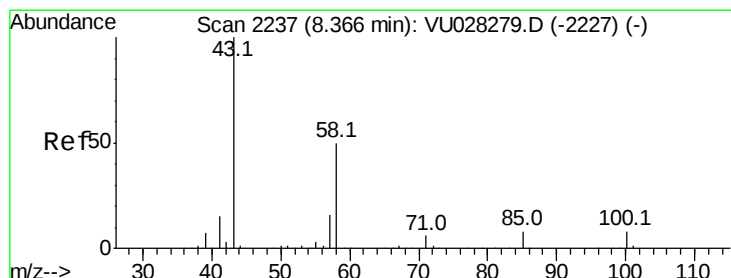
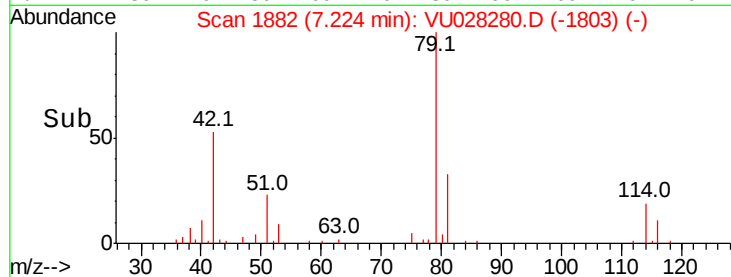
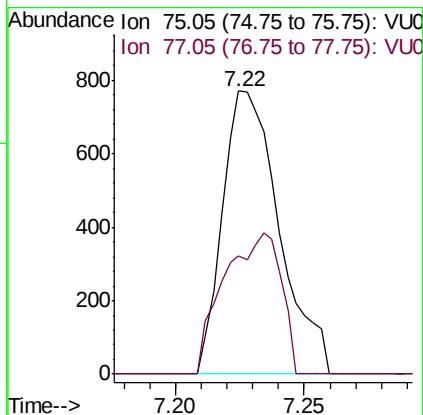
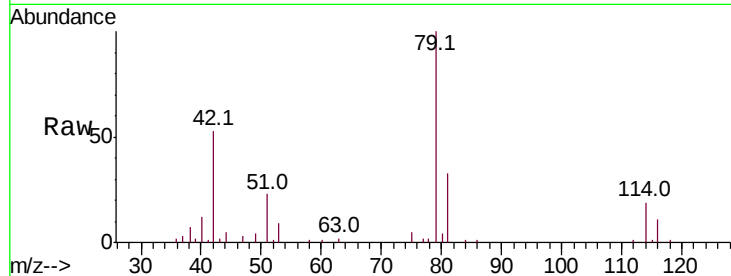


#39

cis-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.05 min
Lab File: VU028280.D
Acq: 20 Nov 2018 16:04

Instrument :
MSVOA_U
ClientSampled :

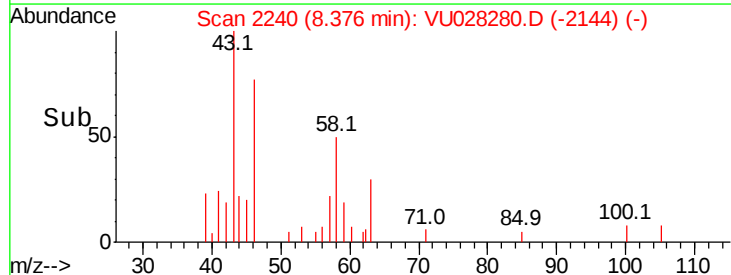
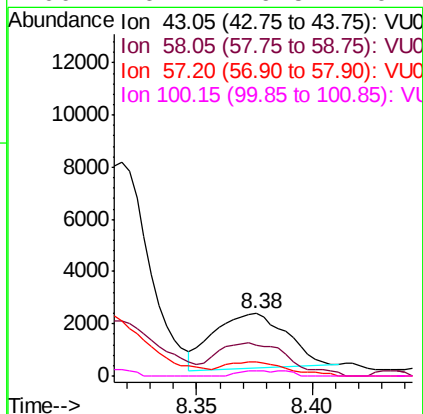
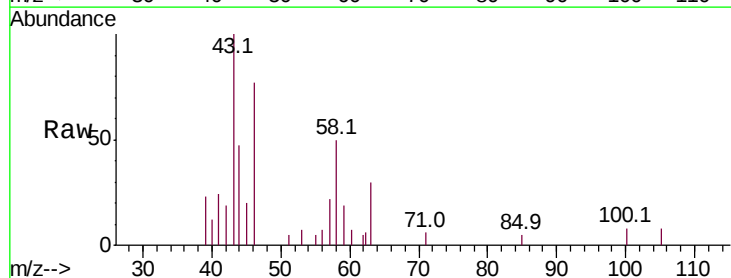
Tot Ion: 75 Resp: 1181
Ion Ratio Lower Upper
75 100
77 41.8 21.7 40.3#

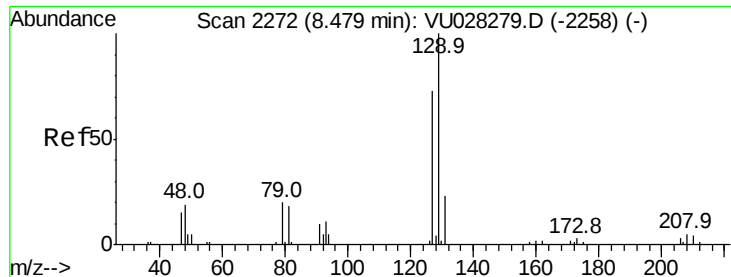


#48

2-Hexanone
Concen: 0.820 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VU028280.D
Acq: 20 Nov 2018 16:04

Tgt Ion: 43 Resp: 4618
Ion Ratio Lower Upper
43 100
58 60.4 41.1 61.7
57 22.1 13.8 20.8#
100 6.2 6.5 9.7#





#49

Dibromochloromethane

Concen: 0.046 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

Instrument :

MSVOA_U

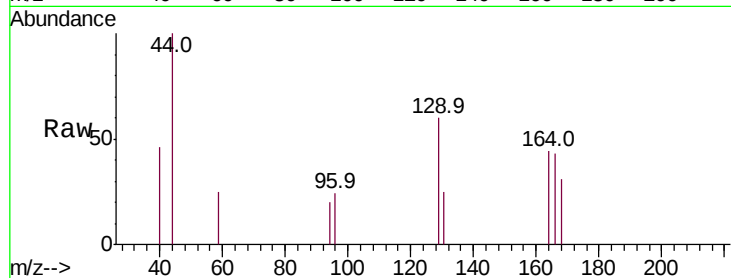
ClientSampleId :

Tot Ion:129 Resp: 311

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

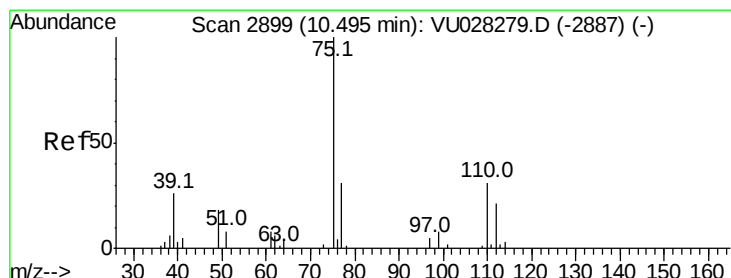
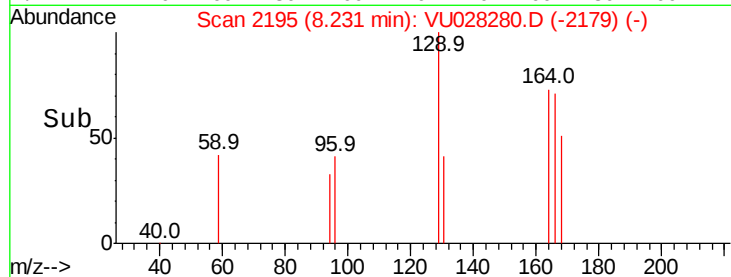
300

200

100

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.097 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028280.D

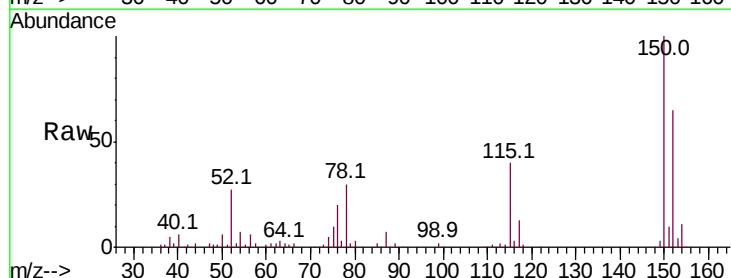
Acq: 20 Nov 2018 16:04

Tgt Ion: 75 Resp: 7005

Ion Ratio Lower Upper

75 100

77 35.6 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

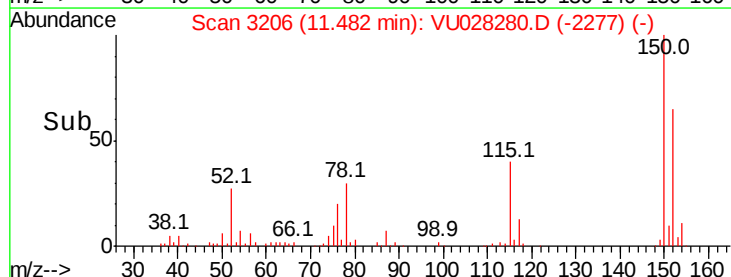
3000

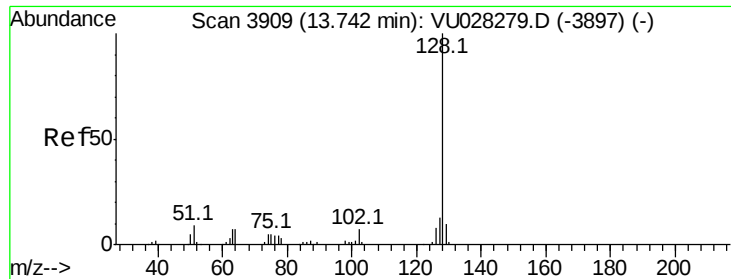
2000

1000

0

Time-->





#69

Naphthalene

Concen: 0.105 ug/L

RT: 13.76 min Scan# 3916

Delta R.T. 0.02 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

Instrument :

MSVOA_U

ClientSampled :

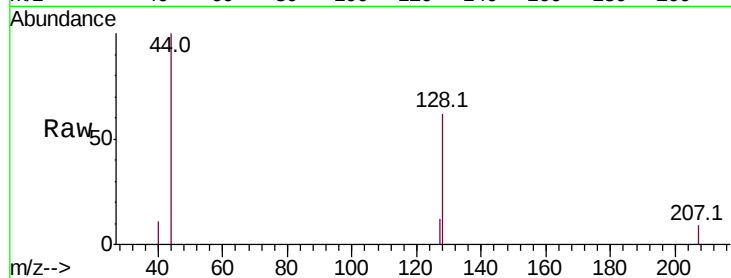
Tot Ion:128 Resp: 1773

Ion Ratio Lower Upper

128 100

129 5.8 8.6 12.8#

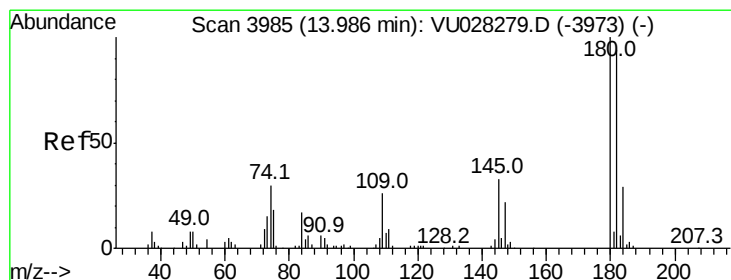
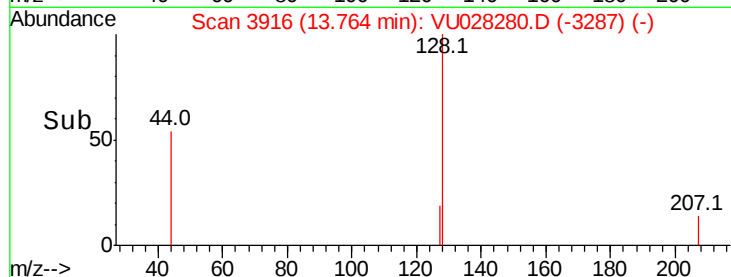
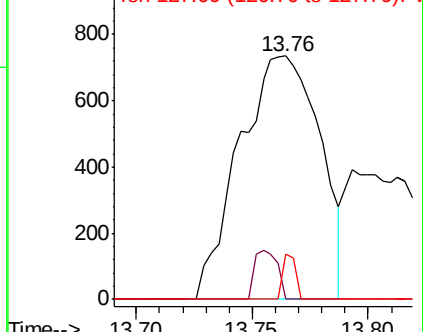
127 2.9 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.072 ug/L

RT: 14.00 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VU028280.D

Acq: 20 Nov 2018 16:04

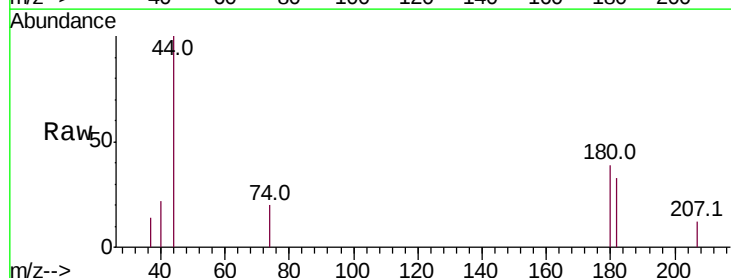
Tgt Ion:180 Resp: 646

Ion Ratio Lower Upper

180 100

182 90.2 77.0 115.4

145 10.5 25.7 38.5#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

