

Data File : VU029290.D
Acq On : 25 Jan 2019 15:13
Operator : JC/SP
Sample : K1246-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0JJ3

Quant Time: Jan 28 02:25:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR012519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 02:17:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	58537	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	61779	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	28654	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28089	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.68	69	21282	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.27	63	38594	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.20	46	63976	55.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.94%
24) Chloroform-d	4.65	84	48461	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.31	65	27254	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.34	84	88452	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.33	67	28248	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.56	98	78314	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	11795	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.31	63	58398	54.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25054	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	31281	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

						Qvalue
8) Chloroethane	1.70	64	938	0.236	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	262	0.055	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	479	0.108	ug/L #	1
15) Methyl Acetate	2.33	43	235	0.115	ug/L #	51
19) 1,1-Dichloroethane	3.44	63	402	0.047	ug/L #	81
22) cis-1,2-Dichloroethene	4.22	96	3101	0.642	ug/L	94
25) Chloroform	4.67	83	1659	0.185	ug/L	83
31) Carbon tetrachloride	5.13	117	1446	0.202	ug/L	96
34) Trichloroethene	6.18	95	7033	1.378	ug/L	92
35) Methylcyclohexane	6.33	83	6949	0.852	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	3353	0.659	ug/L #	85
39) cis-1,3-Dichloropropene	7.23	75	752	0.103	ug/L #	58
47) Tetrachloroethene	8.22	164	2129	0.475	ug/L	95
48) 2-Hexanone	8.31	43	8001	3.577	ug/L #	67
49) Dibromochloromethane	8.23	129	1843	0.406	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	3550	1.013	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jan 28 02:17:15 2019
Response via : Initial Calibration

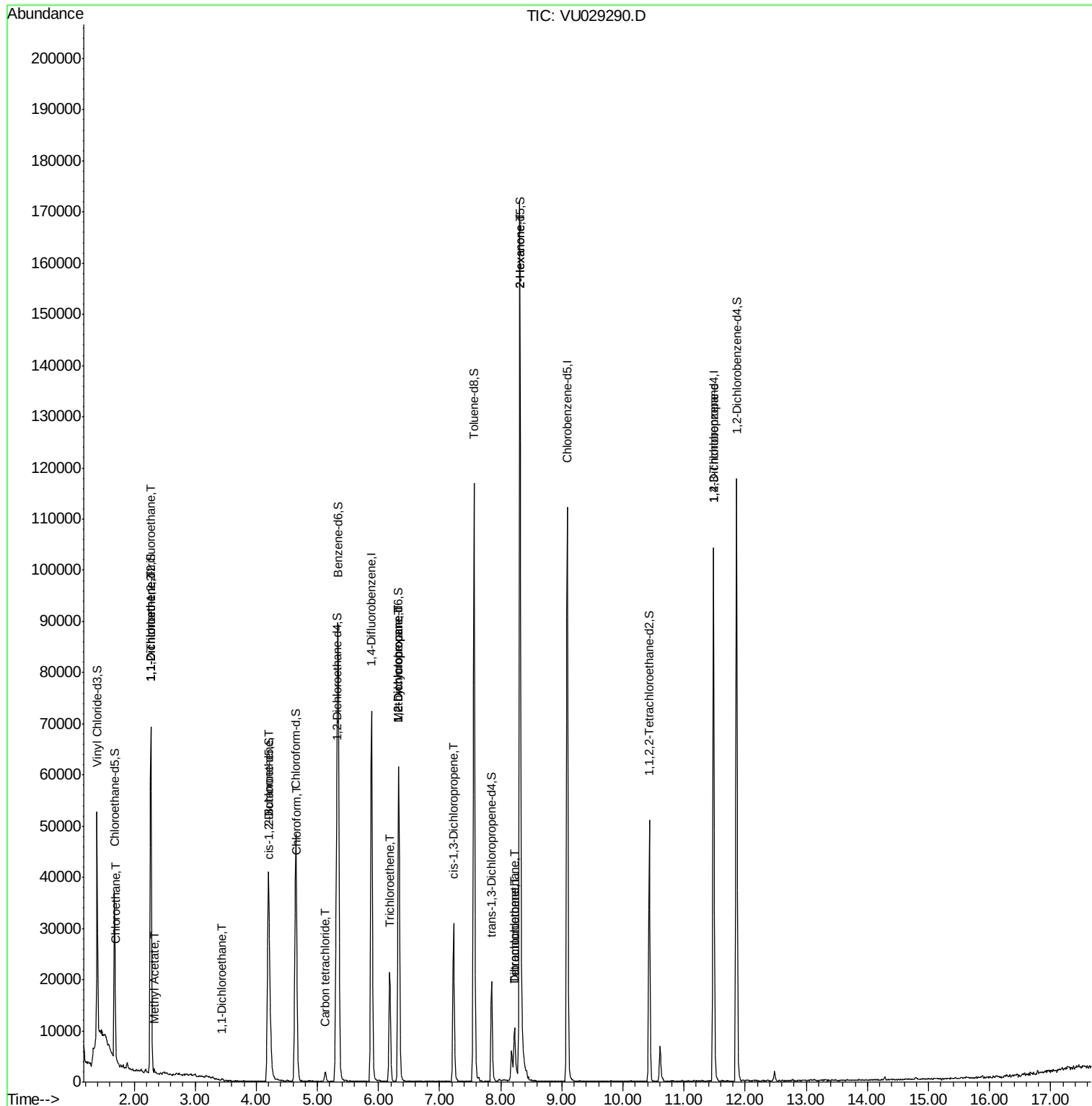
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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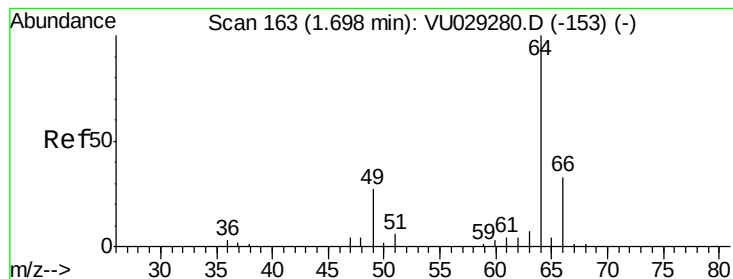
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.236 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU029290.D

Acq: 25 Jan 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

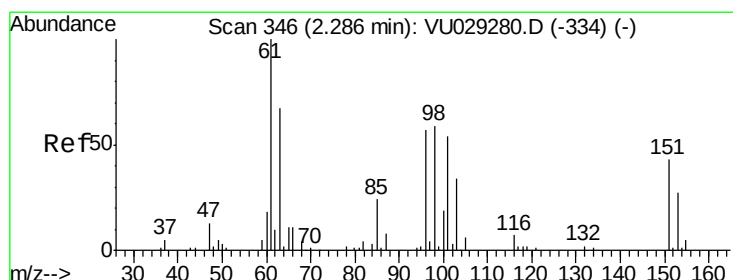
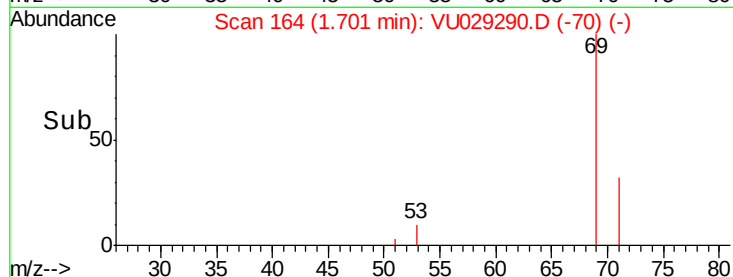
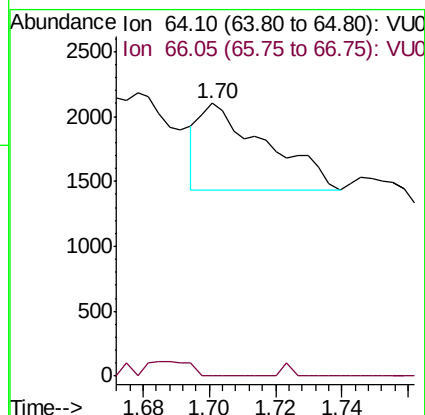
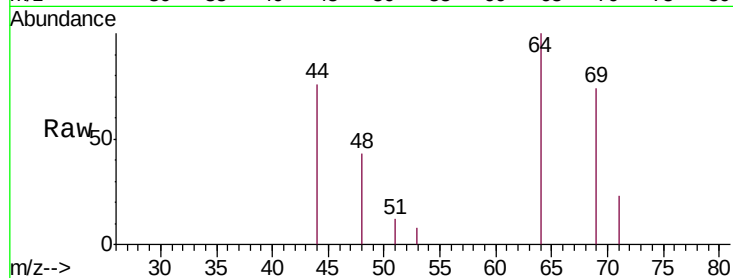
C0JJ3

Tgt Ion: 64 Resp: 938

Ion Ratio Lower Upper

64 100

66 0.0 22.7 42.1#



#10

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

Concen: 0.055 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU029290.D

Acq: 25 Jan 2019 15:13

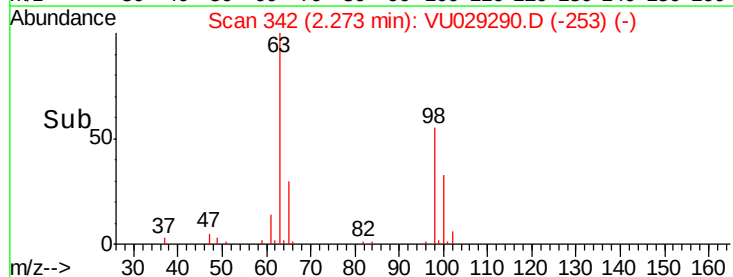
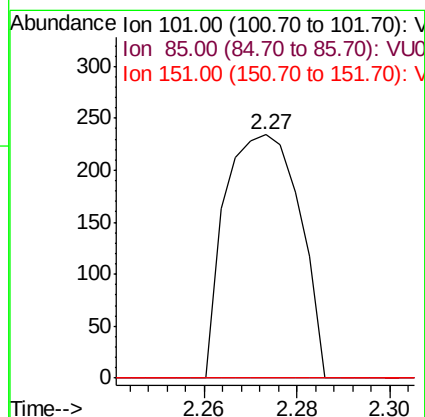
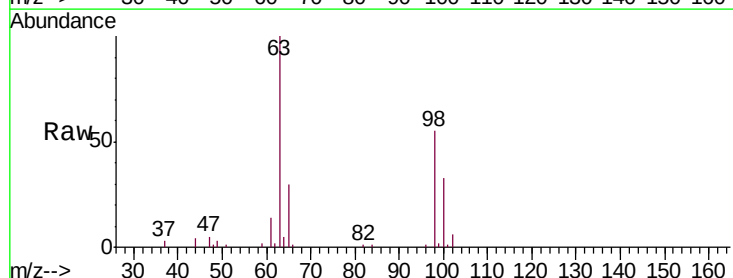
Tgt Ion: 101 Resp: 262

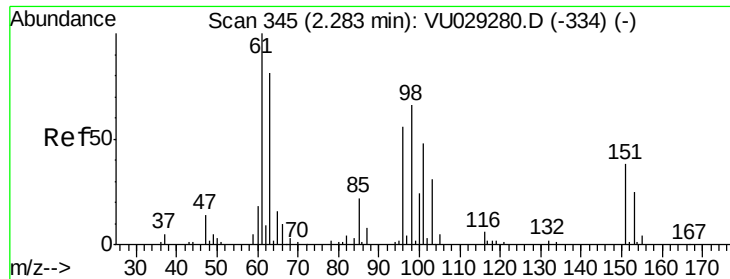
Ion Ratio Lower Upper

101 100

85 0.0 36.2 54.2#

151 0.0 64.5 96.7#





#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU029290.D

Acq: 25 Jan 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

C0JJ3

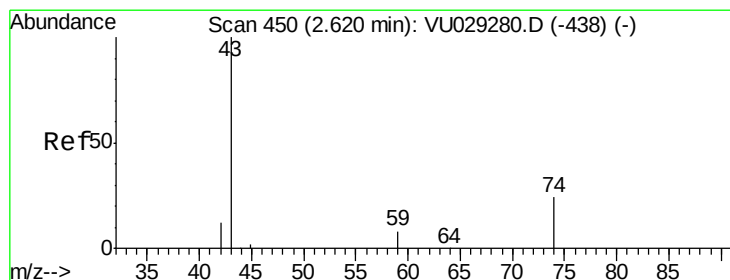
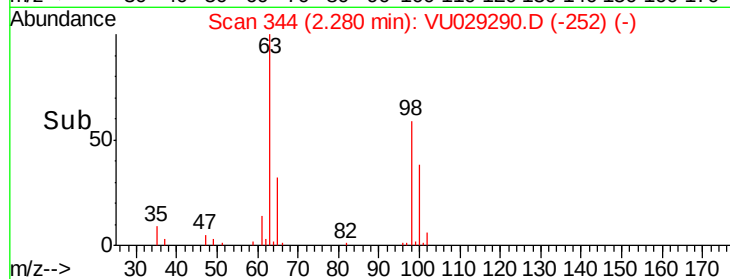
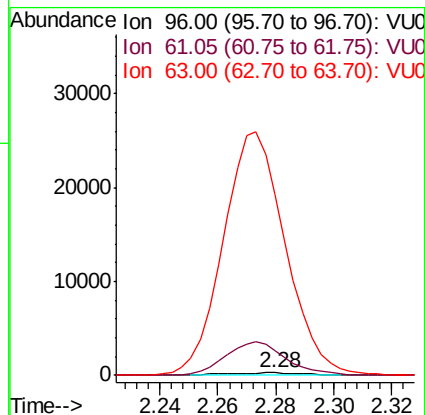
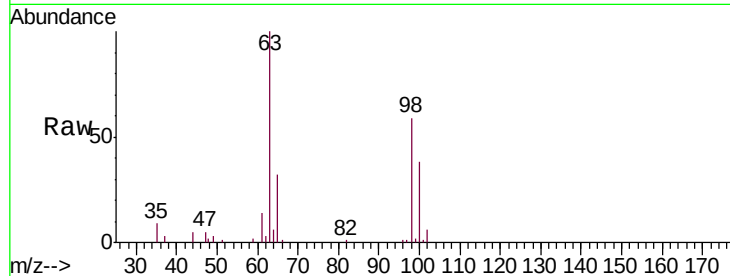
Tgt Ion: 96 Resp: 479

Ion Ratio Lower Upper

96 100

61 986.1 125.4 233.0#

63 7233.0 105.8 196.4#



#15

Methyl Acetate

Concen: 0.115 ug/L

RT: 2.33 min Scan# 361

Delta R.T. -0.29 min

Lab File: VU029290.D

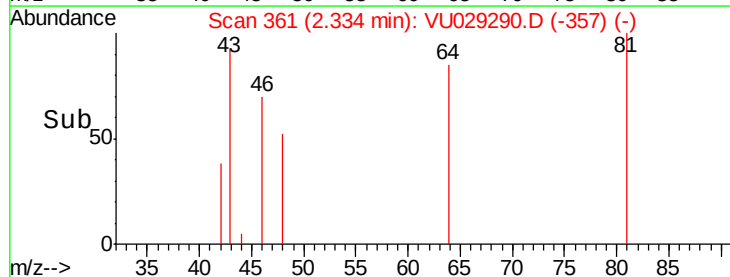
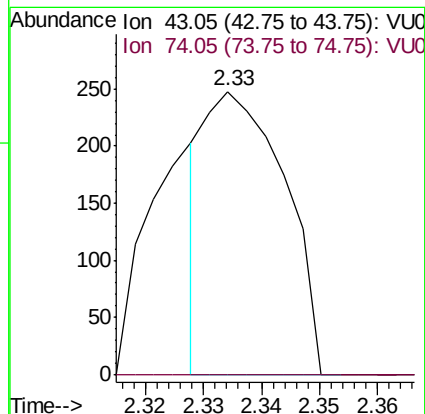
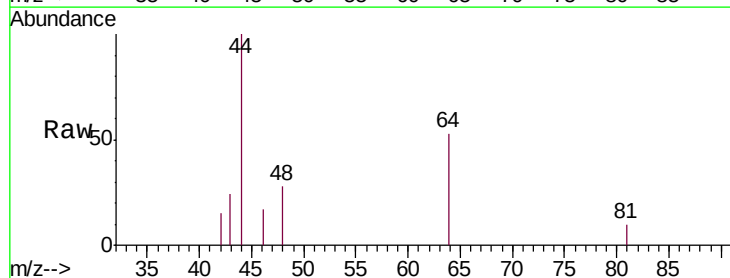
Acq: 25 Jan 2019 15:13

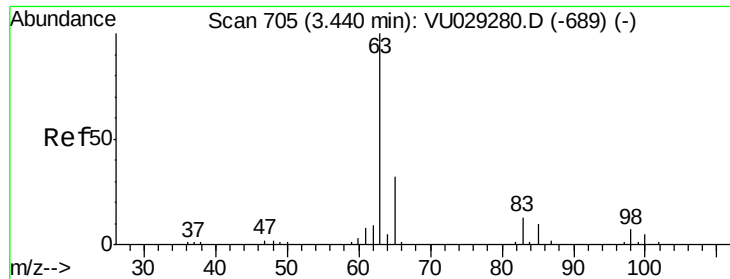
Tgt Ion: 43 Resp: 235

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#

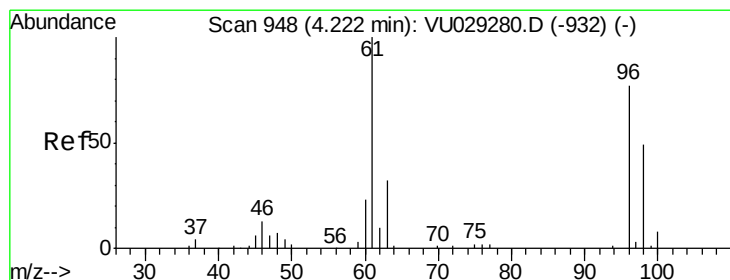
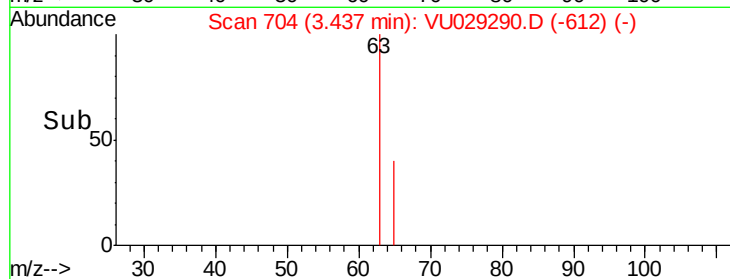
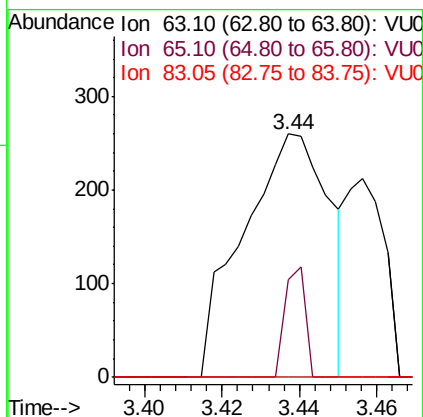
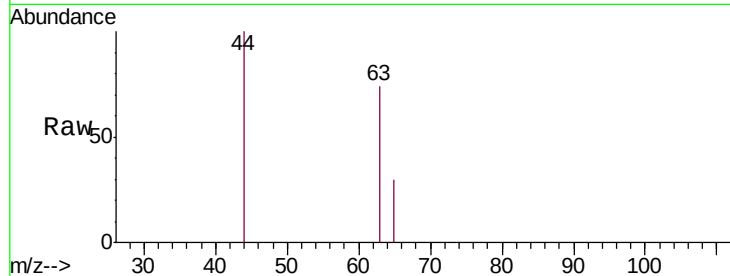




#19
 1,1-Dichloroethane
 Concen: 0.047 ug/L
 RT: 3.44 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VU029290.D
 Acq: 25 Jan 2019 15:13

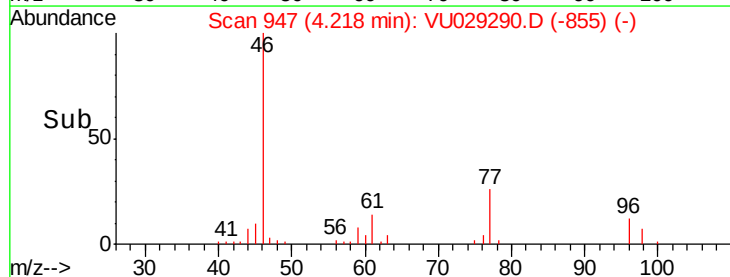
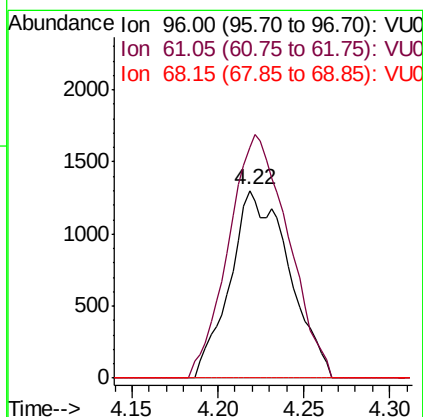
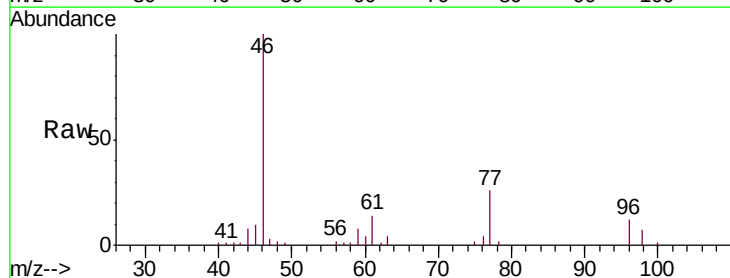
Instrument :
 MSVOA_U
 ClientSampleId :
 C0JJ3

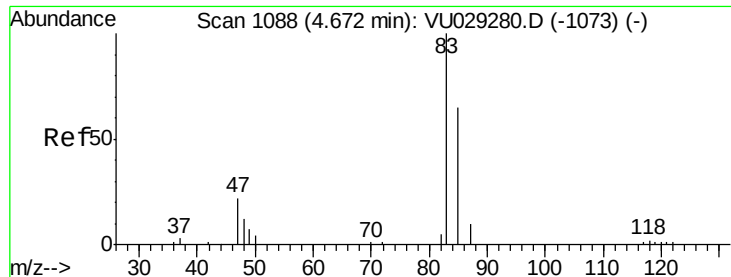
Tgt Ion: 63 Resp: 402
 Ion Ratio Lower Upper
 63 100
 65 40.0 22.7 42.1
 83 0.0 9.4 17.6#



#22
 cis-1,2-Dichloroethene
 Concen: 0.642 ug/L
 RT: 4.22 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VU029290.D
 Acq: 25 Jan 2019 15:13

Tgt Ion: 96 Resp: 3101
 Ion Ratio Lower Upper
 96 100
 61 123.0 90.7 168.5
 68 0.0 0.0 0.0

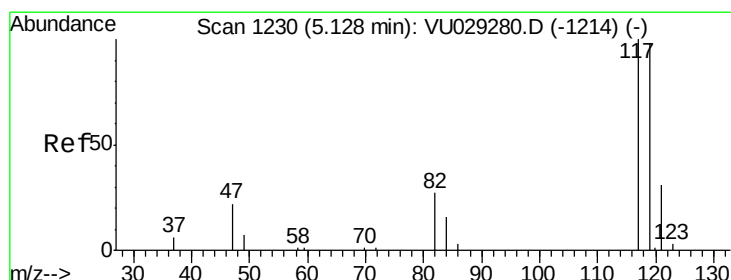
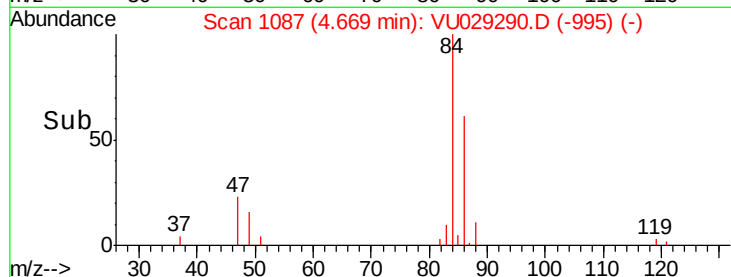
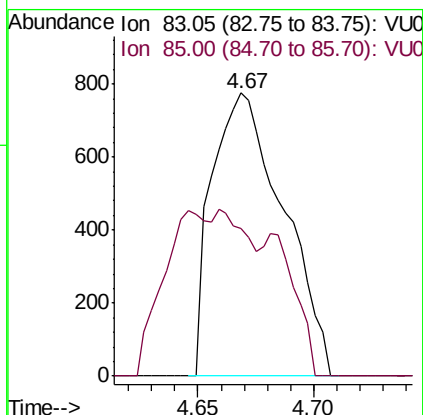
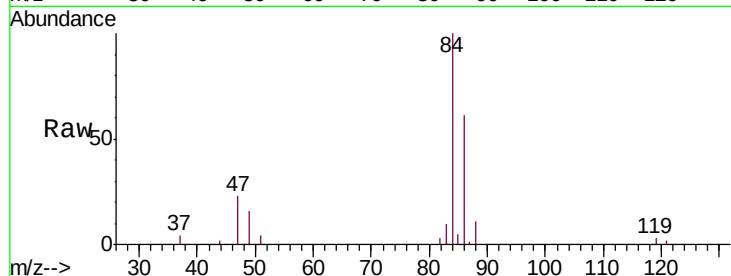




#25
Chloroform
Concen: 0.185 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029290.D
Acq: 25 Jan 2019 15:13

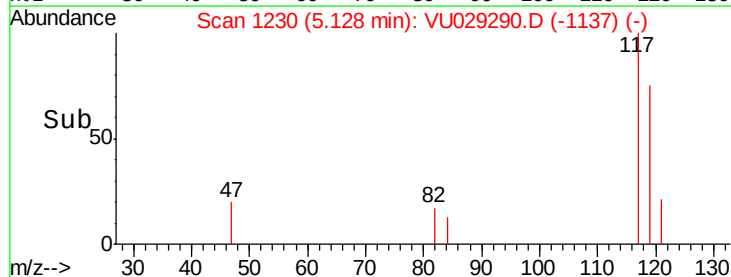
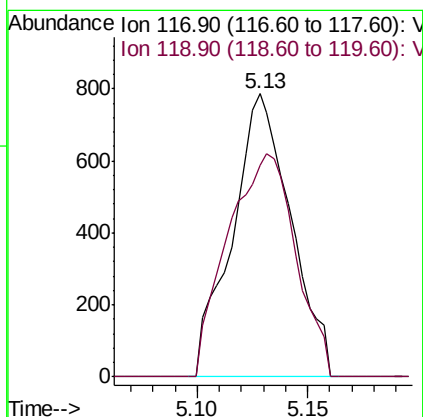
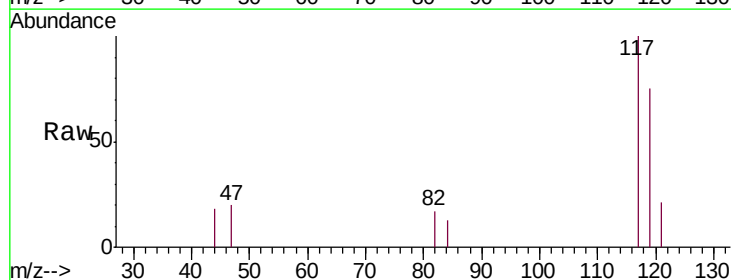
Instrument :
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ClientSampleId :
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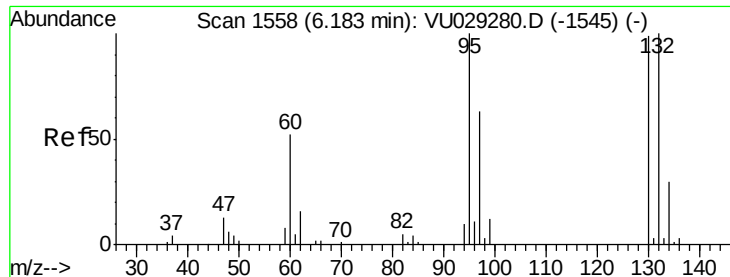
Tgt Ion: 83 Resp: 1659
Ion Ratio Lower Upper
83 100
85 52.4 46.1 85.7



#31
Carbon tetrachloride
Concen: 0.202 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU029290.D
Acq: 25 Jan 2019 15:13

Tgt Ion: 117 Resp: 1446
Ion Ratio Lower Upper
117 100
119 91.4 76.1 114.1





#34

Trichloroethene

Concen: 1.378 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029290.D

Acq: 25 Jan 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

C0JJ3

Tgt Ion: 95 Resp: 7033

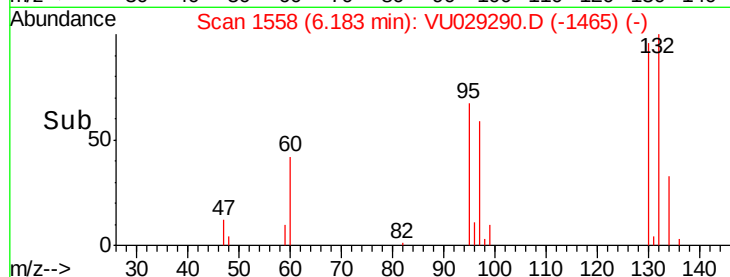
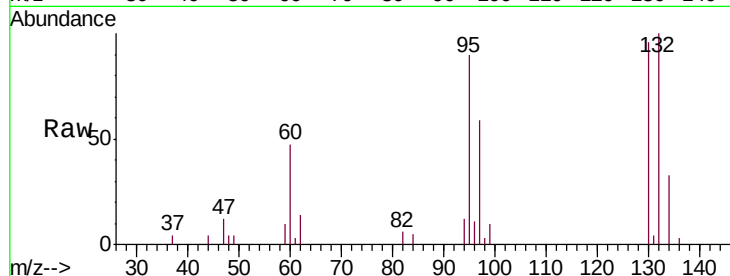
Ion Ratio Lower Upper

95 100

97 65.8 44.3 82.3

132 110.8 69.9 129.9

130 106.4 69.2 128.4

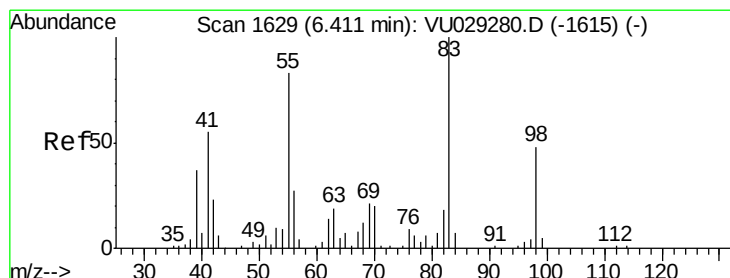
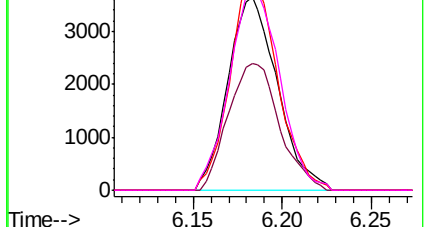


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.852 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.08 min

Lab File: VU029290.D

Acq: 25 Jan 2019 15:13

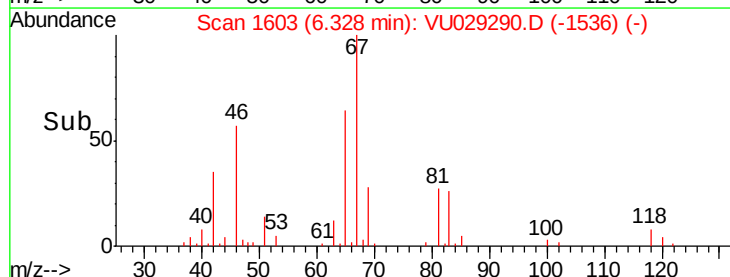
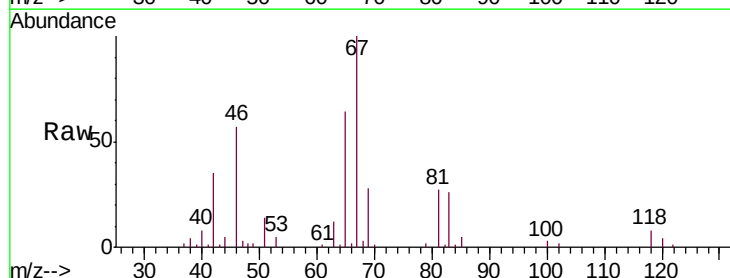
Tgt Ion: 83 Resp: 6949

Ion Ratio Lower Upper

83 100

55 0.0 66.3 99.5#

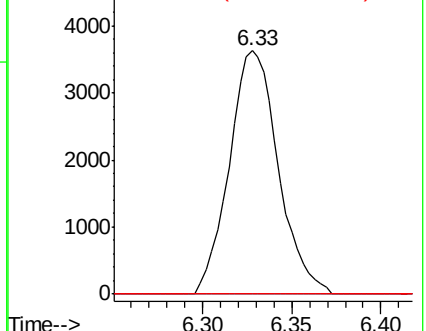
98 1.2 37.9 56.9#

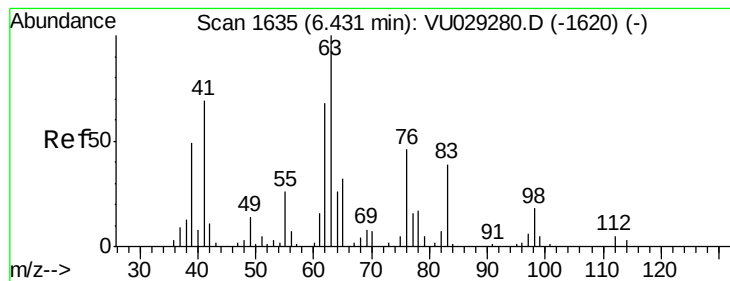


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.659 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU029290.D

Acq: 25 Jan 2019 15:13

Instrument :

MSVOA_U

ClientSampled :

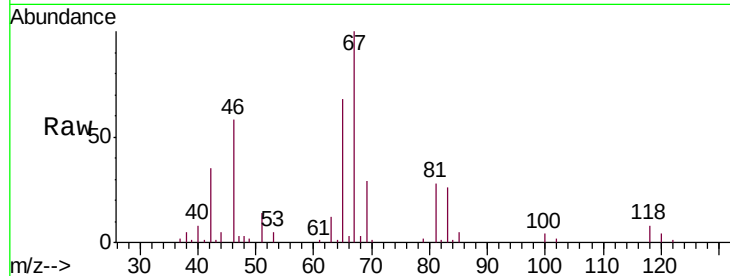
C0JJ3

Tgt Ion: 63 Resp: 3353

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



Abundance Ion 63.10 (62.80 to 63.80): VU029280.D (-1620) (-)

Ion 112.10 (111.80 to 112.80): VU029280.D (-1620) (-)

6.33

1500

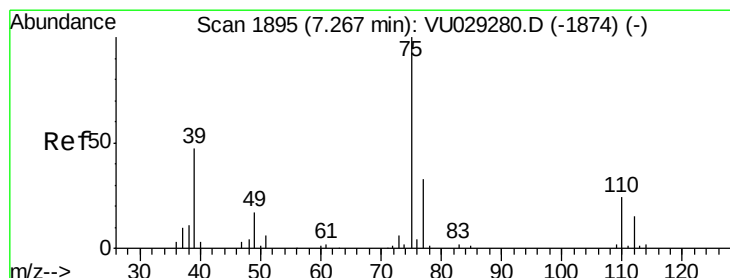
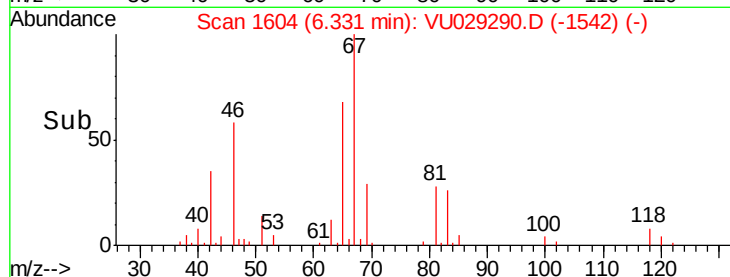
1000

500

0

6.30 6.35

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU029290.D

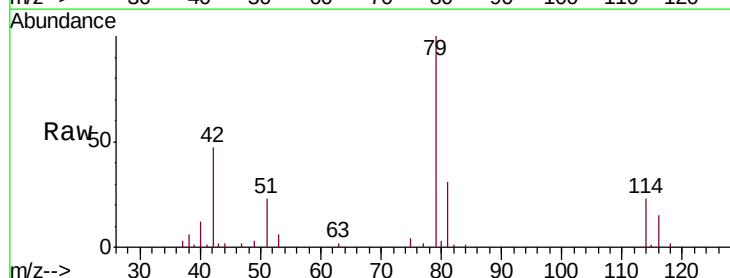
Acq: 25 Jan 2019 15:13

Tgt Ion: 75 Resp: 752

Ion Ratio Lower Upper

75 100

77 56.6 23.2 43.0#



Abundance Ion 75.05 (74.75 to 75.75): VU029280.D (-1874) (-)

Ion 77.05 (76.75 to 77.75): VU029280.D (-1874) (-)

7.23

500

400

300

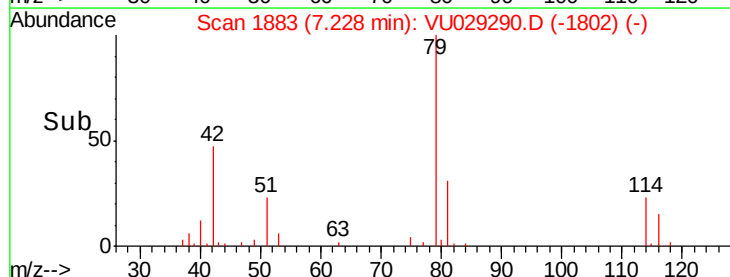
200

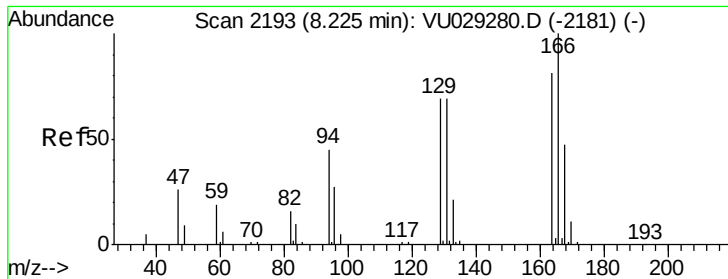
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0

7.18 7.20 7.22 7.24 7.26

Time-->

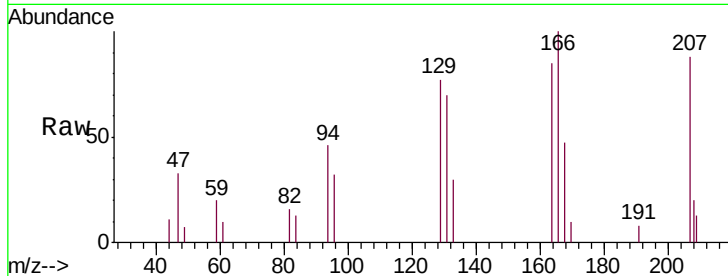




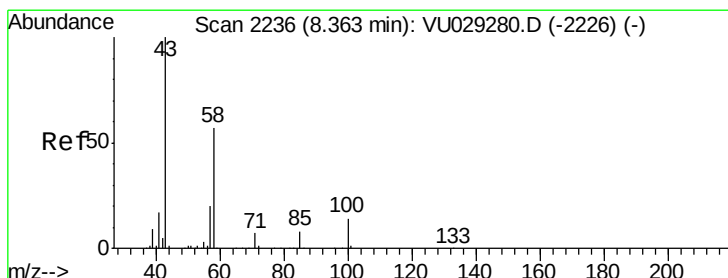
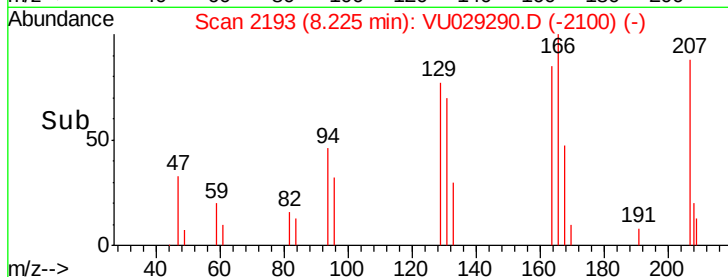
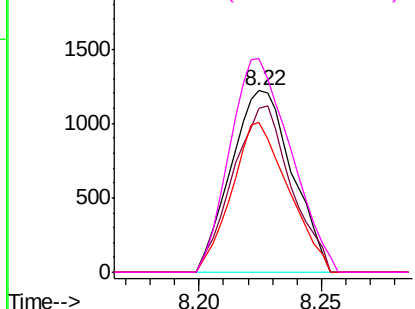
#47
Tetrachloroethene
Concen: 0.475 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029290.D
Acq: 25 Jan 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :
C0JJ3

Tgt Ion:164 Resp: 2129
Ion Ratio Lower Upper
164 100
129 90.0 60.1 111.7
131 82.7 59.9 111.3
166 117.6 86.9 161.3

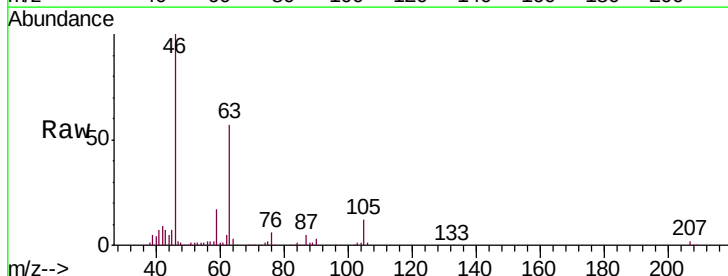


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

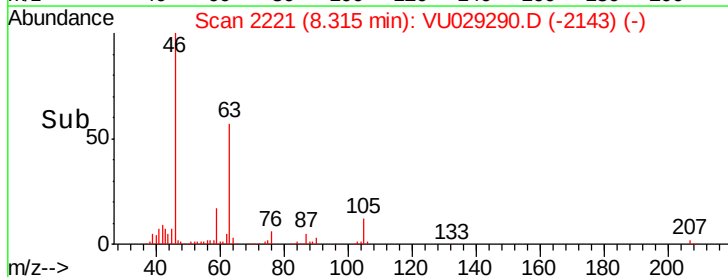
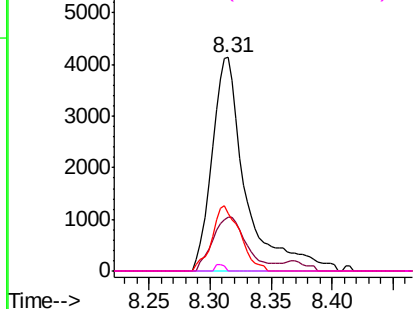


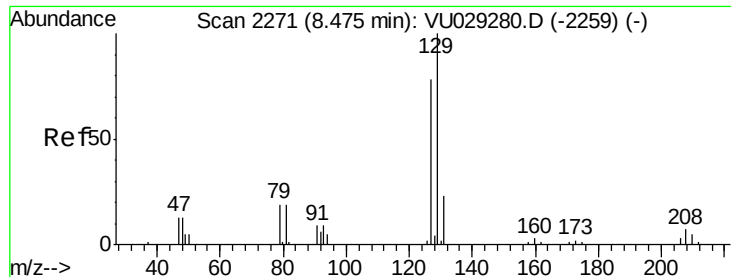
#48
2-Hexanone
Concen: 3.577 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU029290.D
Acq: 25 Jan 2019 15:13

Tgt Ion: 43 Resp: 8001
Ion Ratio Lower Upper
43 100
58 25.6 44.2 66.2#
57 25.4 15.4 23.2#
100 0.9 10.0 15.0#



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

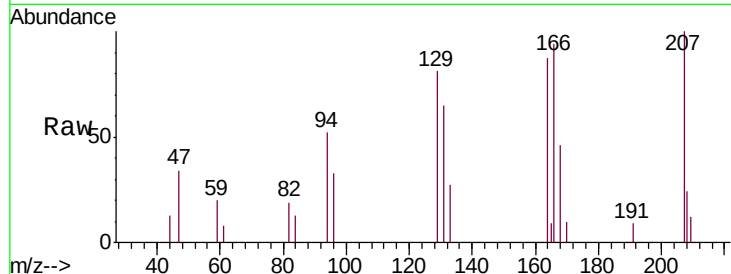




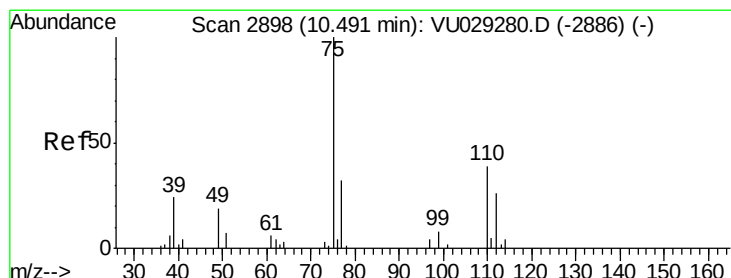
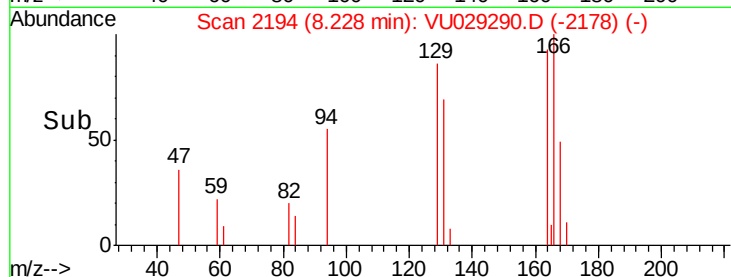
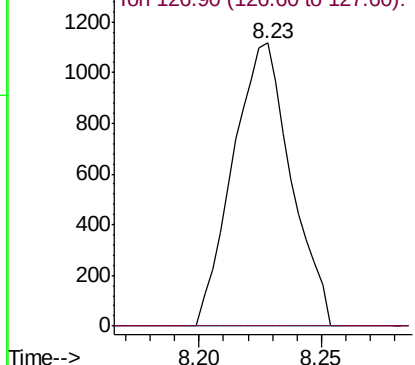
#49
 Dibromochloromethane
 Concen: 0.406 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU029290.D
 Acq: 25 Jan 2019 15:13

Instrument :
 MSVOA_U
 ClientSampled :
 C0JJ3

Tgt Ion:129 Resp: 1843
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.7 101.7#

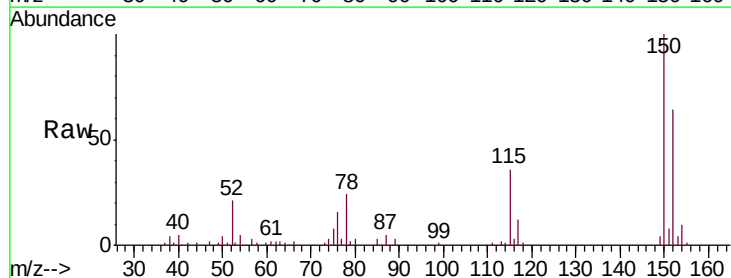


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.013 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU029290.D
 Acq: 25 Jan 2019 15:13

Tgt Ion: 75 Resp: 3550
 Ion Ratio Lower Upper
 75 100
 77 35.8 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

