

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041919\
 Data File : VU031336.D
 Acq On : 19 Apr 2019 04:49
 Operator : JC/SP
 Sample : K2478-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 19 07:52:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 19 07:47:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	234036	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	232928	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	85243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	94009	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.68	69	75205	3.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.60%
11) 1,1-Dichloroethene-d2	2.27	63	136167	2.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.60%#
20) 2-Butanone-d5	4.20	46	300732	59.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.24%
24) Chloroform-d	4.64	84	173218	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.31	65	99872	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
32) Benzene-d6	5.34	84	326404	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.33	67	113881	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.56	98	262697	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.85	79	37934	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.31	63	196545	52.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	92880	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	91056	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

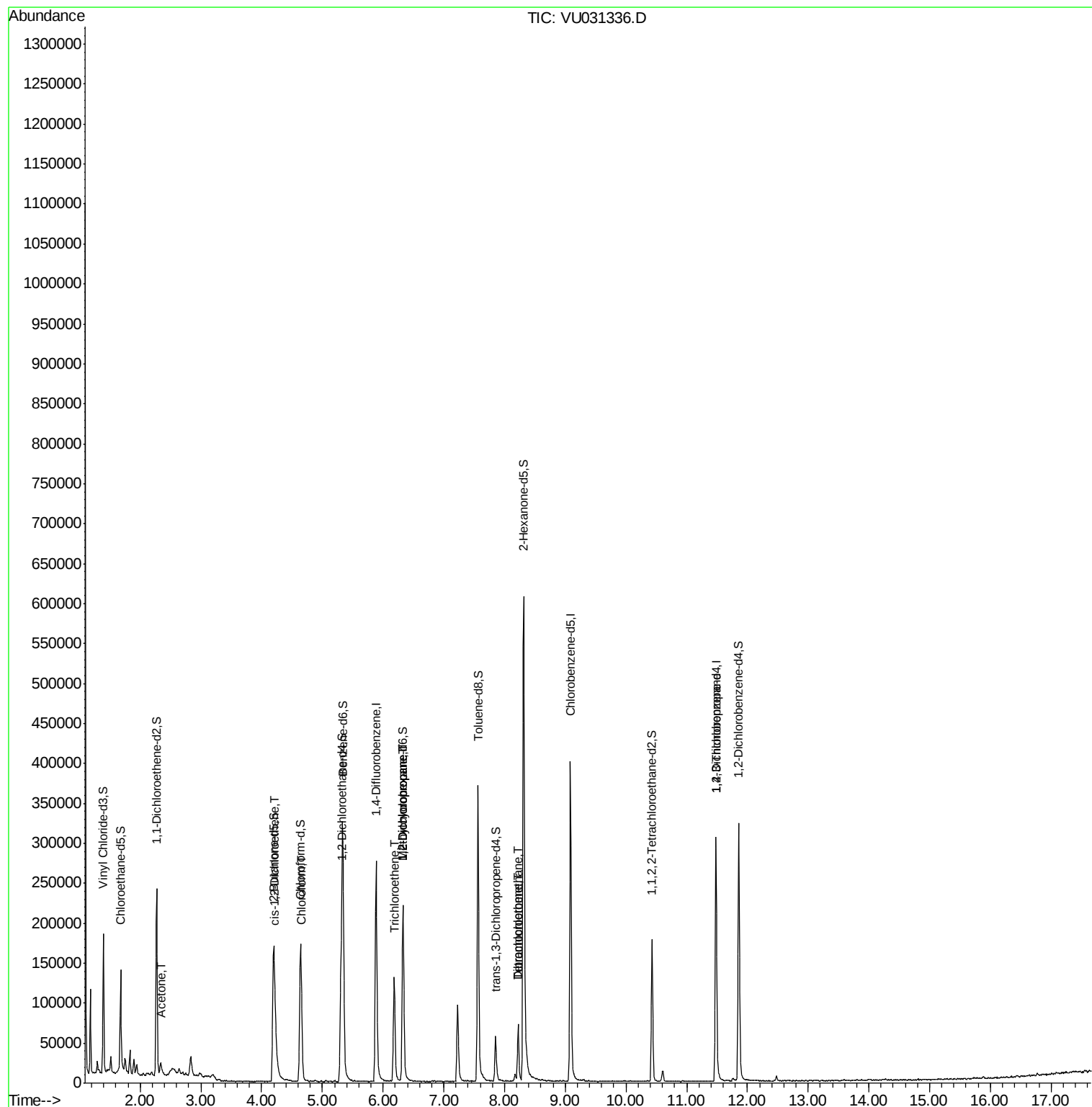
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.34	43	12546	2.236	ug/L	90
22) cis-1,2-Dichloroethene	4.22	96	9063	0.442	ug/L	81
25) Chloroform	4.66	83	5086	0.140	ug/L	85
34) Trichloroethene	6.18	95	49872	2.334	ug/L	95
35) Methylcyclohexane	6.33	83	25727	0.874	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	12302	0.590	ug/L #	88
47) Tetrachloroethene	8.22	164	16907	1.062	ug/L	98
49) Dibromochloromethane	8.22	129	15945	0.897	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9886	0.727	ug/L	90

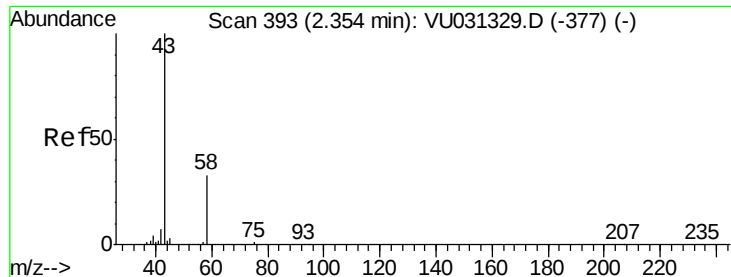
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.236 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.02 min

Lab File: VU031336.D

Acq: 19 Apr 2019 04:49

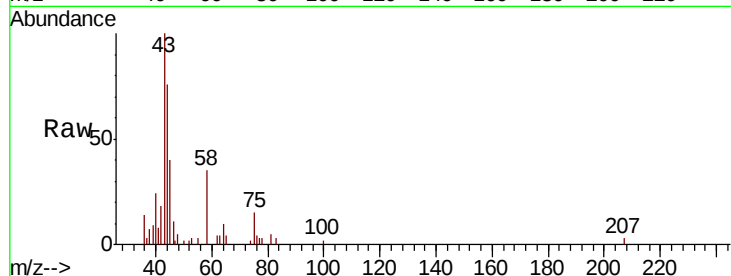
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 12546

Ion Ratio Lower Upper

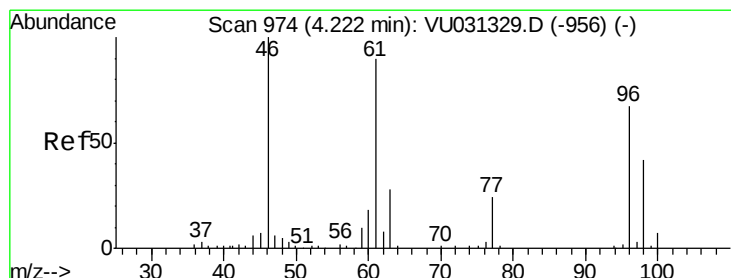
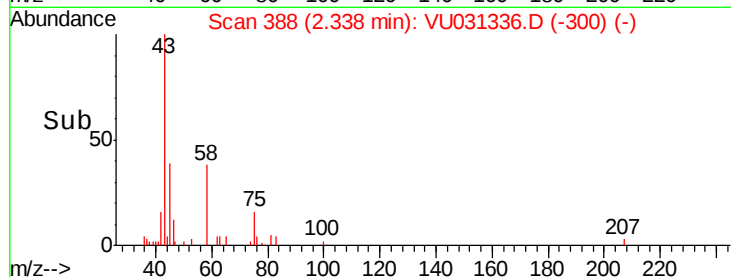
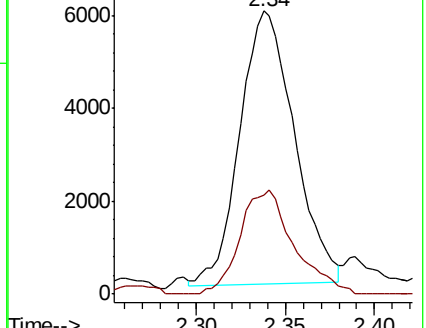
43 100

58 37.7 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU031329.D (-377) (-)

Ion 58.05 (57.75 to 58.75): VU031329.D (-377) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.442 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031336.D

Acq: 19 Apr 2019 04:49

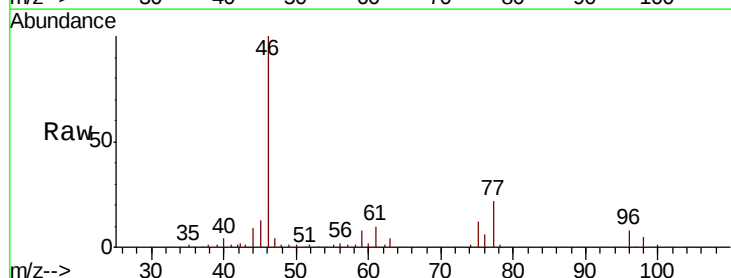
Tgt Ion: 96 Resp: 9063

Ion Ratio Lower Upper

96 100

61 124.3 103.5 192.1

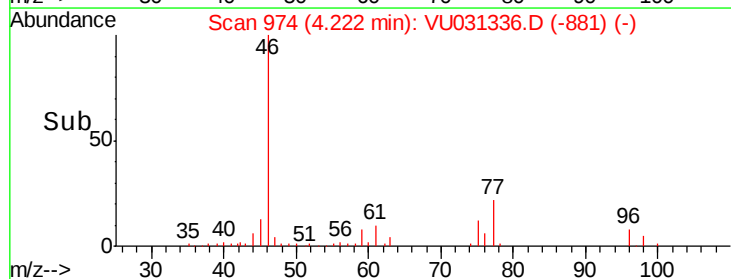
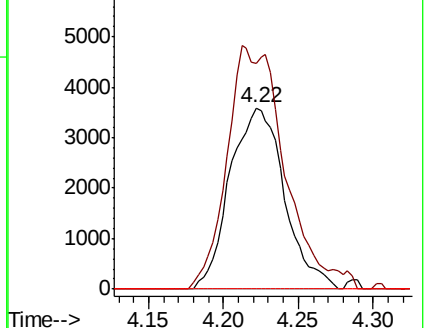
68 0.0 0.0 0.0

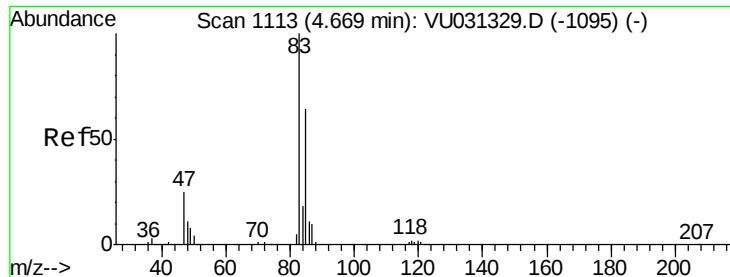


Abundance Ion 96.00 (95.70 to 96.70): VU031329.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU031329.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU031329.D (-956) (-)





#25

Chloroform

Concen: 0.140 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VU031336.D

Acq: 19 Apr 2019 04:49

Instrument :

MSVOA_U

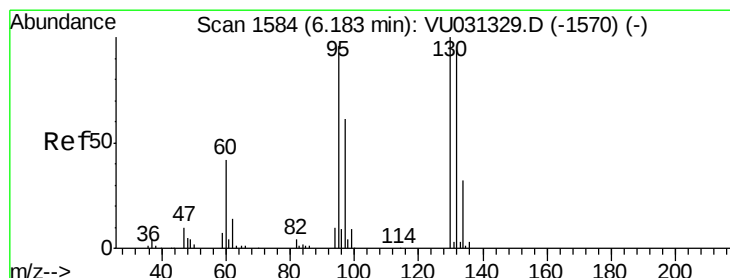
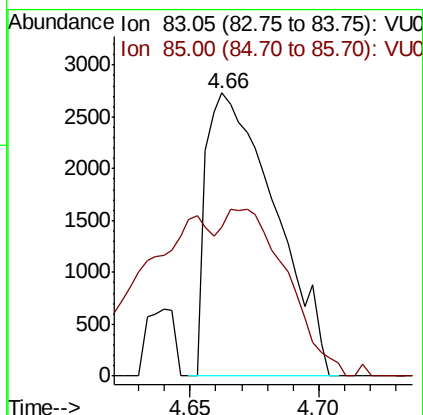
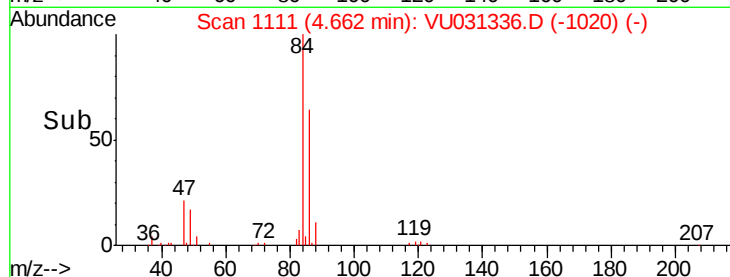
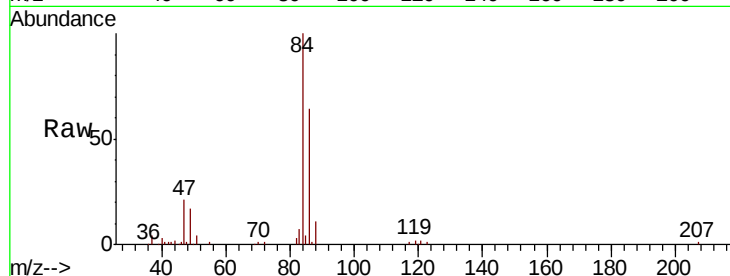
ClientSampleId :

Tot Ion: 83 Resp: 5086

Ion Ratio Lower Upper

83 100

85 52.8 45.4 84.4



#34

Trichloroethene

Concen: 2.334 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031336.D

Acq: 19 Apr 2019 04:49

Tgt Ion: 95 Resp: 49872

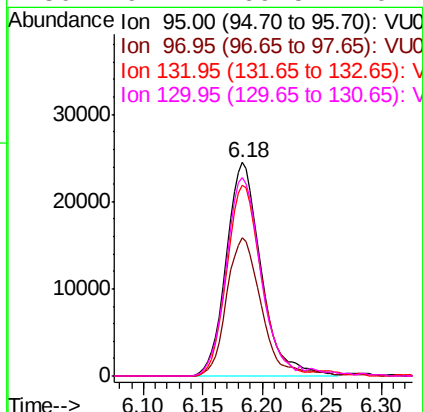
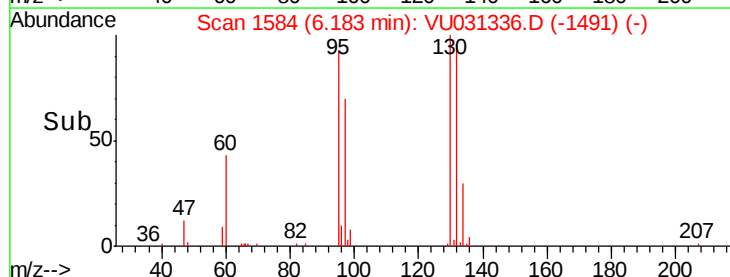
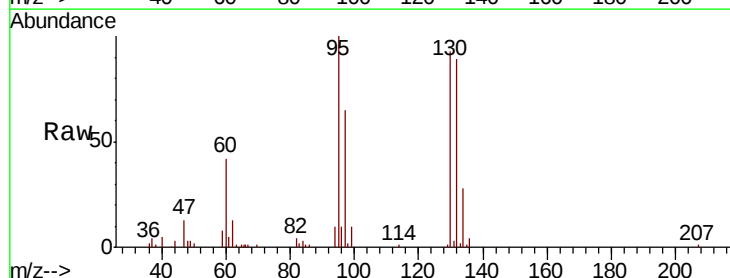
Ion Ratio Lower Upper

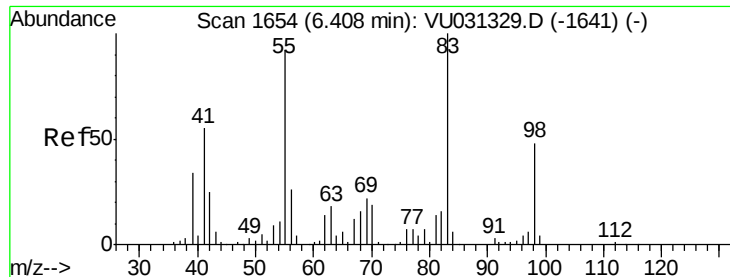
95 100

97 64.8 46.8 86.8

132 89.1 65.8 122.2

130 92.7 69.5 129.1

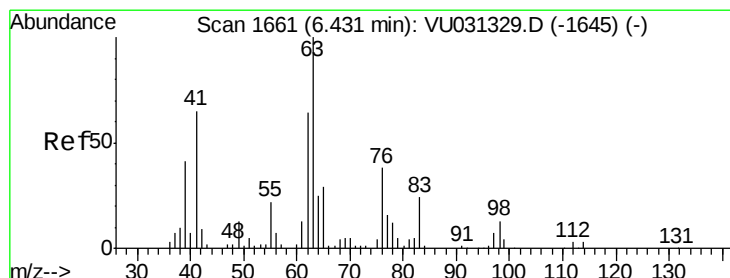
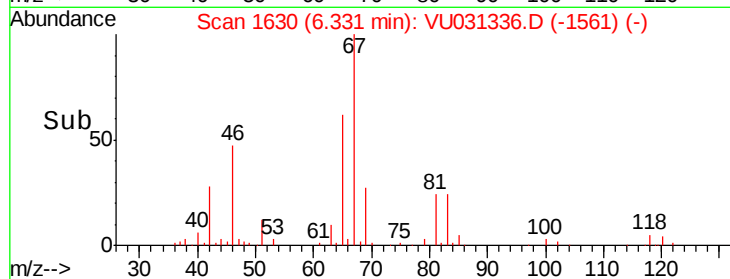
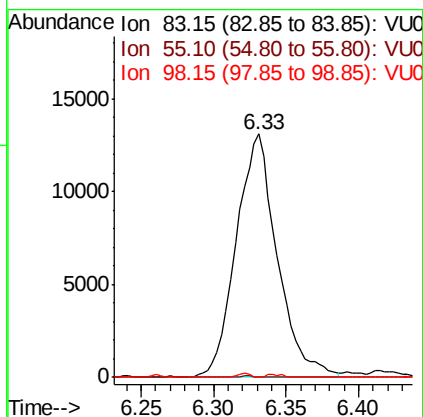
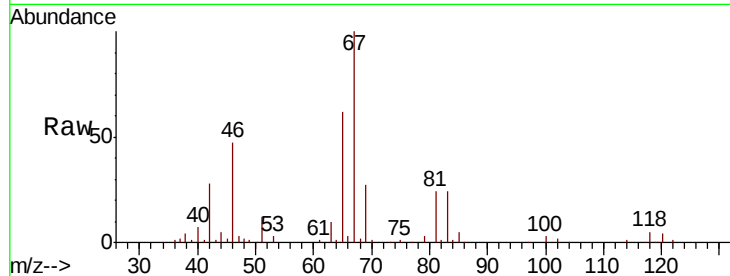




#35
Methvlcvclohexane
Concen: 0.874 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.08 min
Lab File: VU031336.D
Acq: 19 Apr 2019 04:49

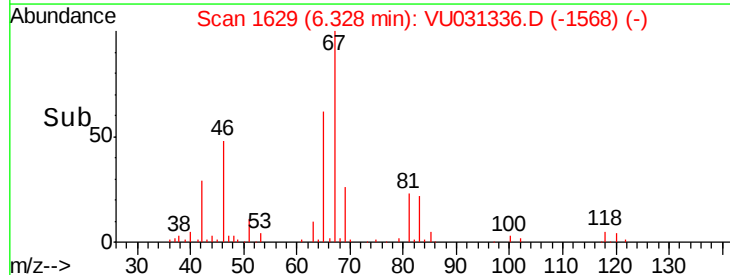
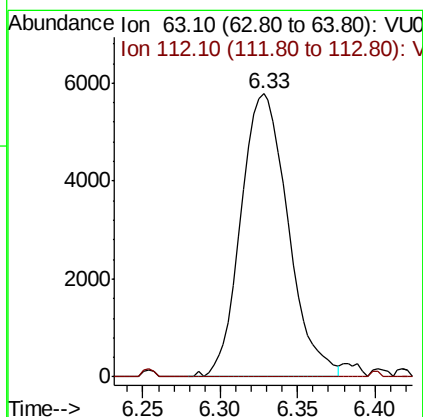
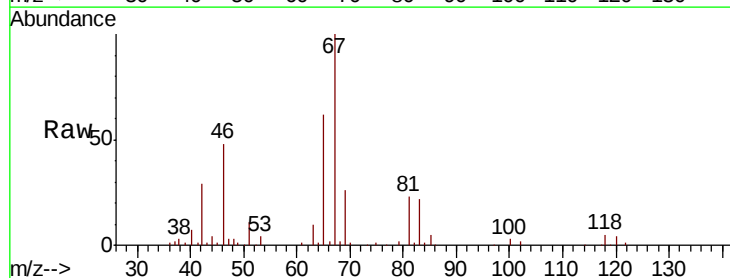
Instrument :
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ClientSampleId :

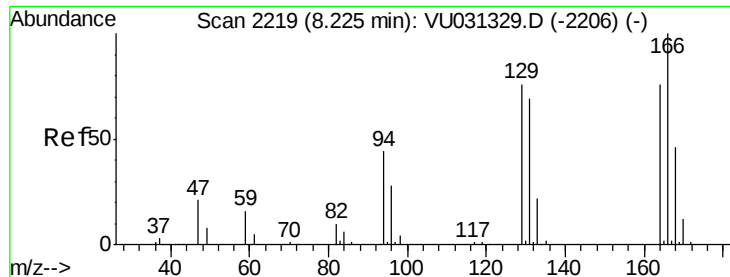
Tot Ion: 83 Resp: 25727
Ion Ratio Lower Upper
83 100
55 0.2 70.6 105.8#
98 0.5 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU031336.D
Acq: 19 Apr 2019 04:49

Tgt Ion: 63 Resp: 12302
Ion Ratio Lower Upper
63 100
112 0.4 3.5 5.3#





#47

Tetrachloroethene

Concen: 1.062 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031336.D

Acq: 19 Apr 2019 04:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 16907

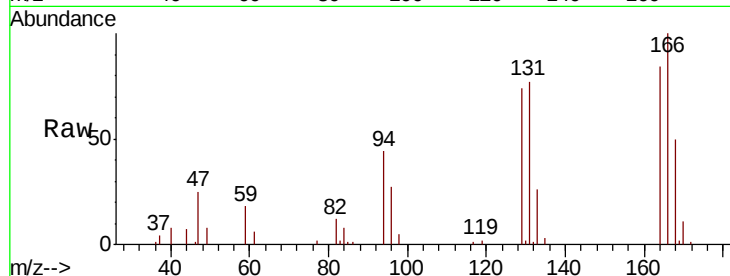
Ion Ratio Lower Upper

164 100

129 88.6 61.9 114.9

131 91.7 61.5 114.3

166 119.0 84.6 157.0

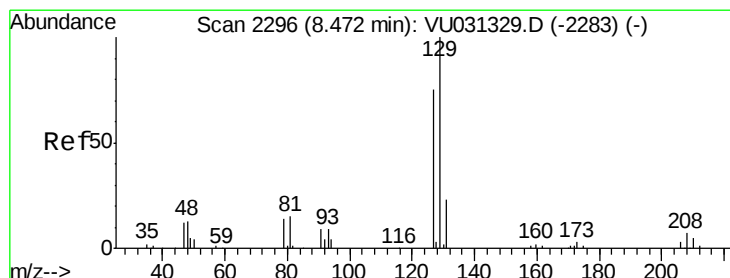
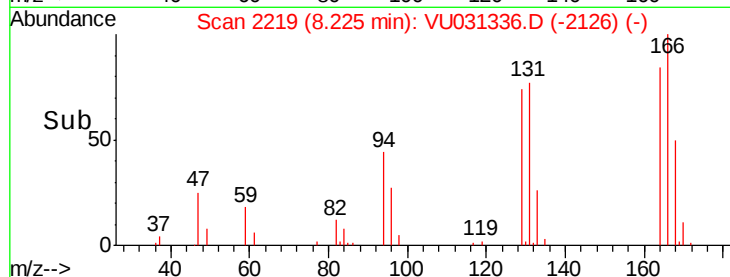
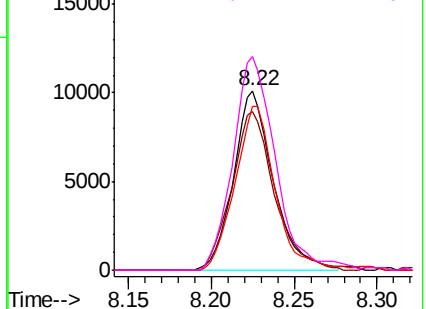


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.897 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU031336.D

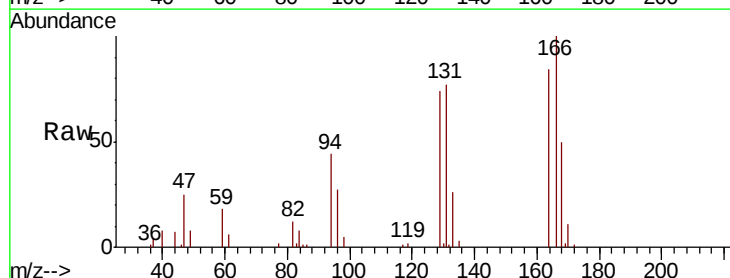
Acq: 19 Apr 2019 04:49

Tgt Ion:129 Resp: 15945

Ion Ratio Lower Upper

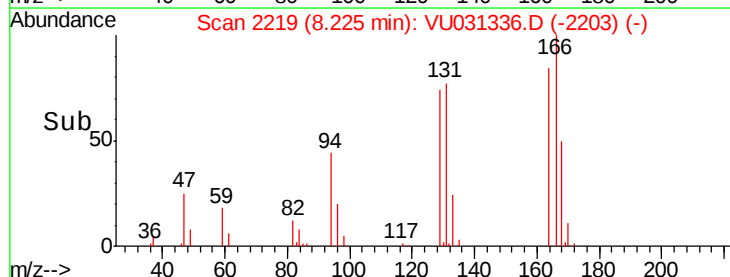
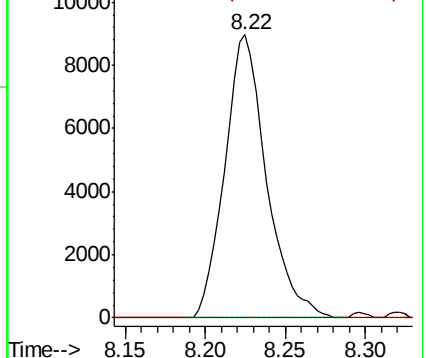
129 100

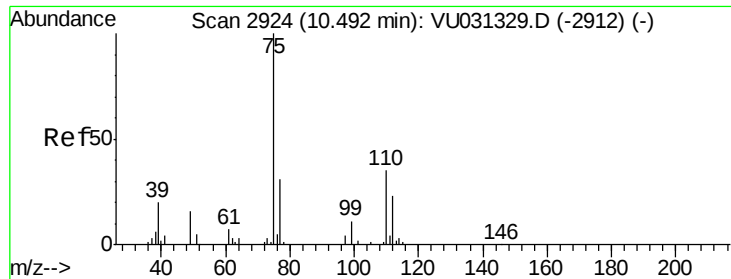
127 0.0 53.3 99.1#



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: 0.727 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031336.D

Acq: 19 Apr 2019 04:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 9886

Ion Ratio Lower Upper

75 100

77 39.5 27.0 40.6

