

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052019\
 Data File : VU032179.D
 Acq On : 21 May 2019 01:17
 Operator : JC/SP
 Sample : K2888-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 08:46:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 21 08:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	344162	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	359717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	144021	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90872	3.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.60%
7) Chloroethane-d5	1.67	69	88995	3.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.80%
11) 1,1-Dichloroethene-d2	2.27	63	132206	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.19	46	229158	40.26	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.52%
24) Chloroform-d	4.64	84	199571	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.31	65	104123	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
32) Benzene-d6	5.33	84	392897	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.60%
36) 1,2-Dichloropropane-d6	6.33	67	117954	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.60%
41) Toluene-d8	7.56	98	317943	3.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.80%#
43) trans-1,3-Dichloropropene-	7.85	79	35760	3.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.00%
46) 2-Hexanone-d5	8.31	63	210967	40.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106477	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	128037	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

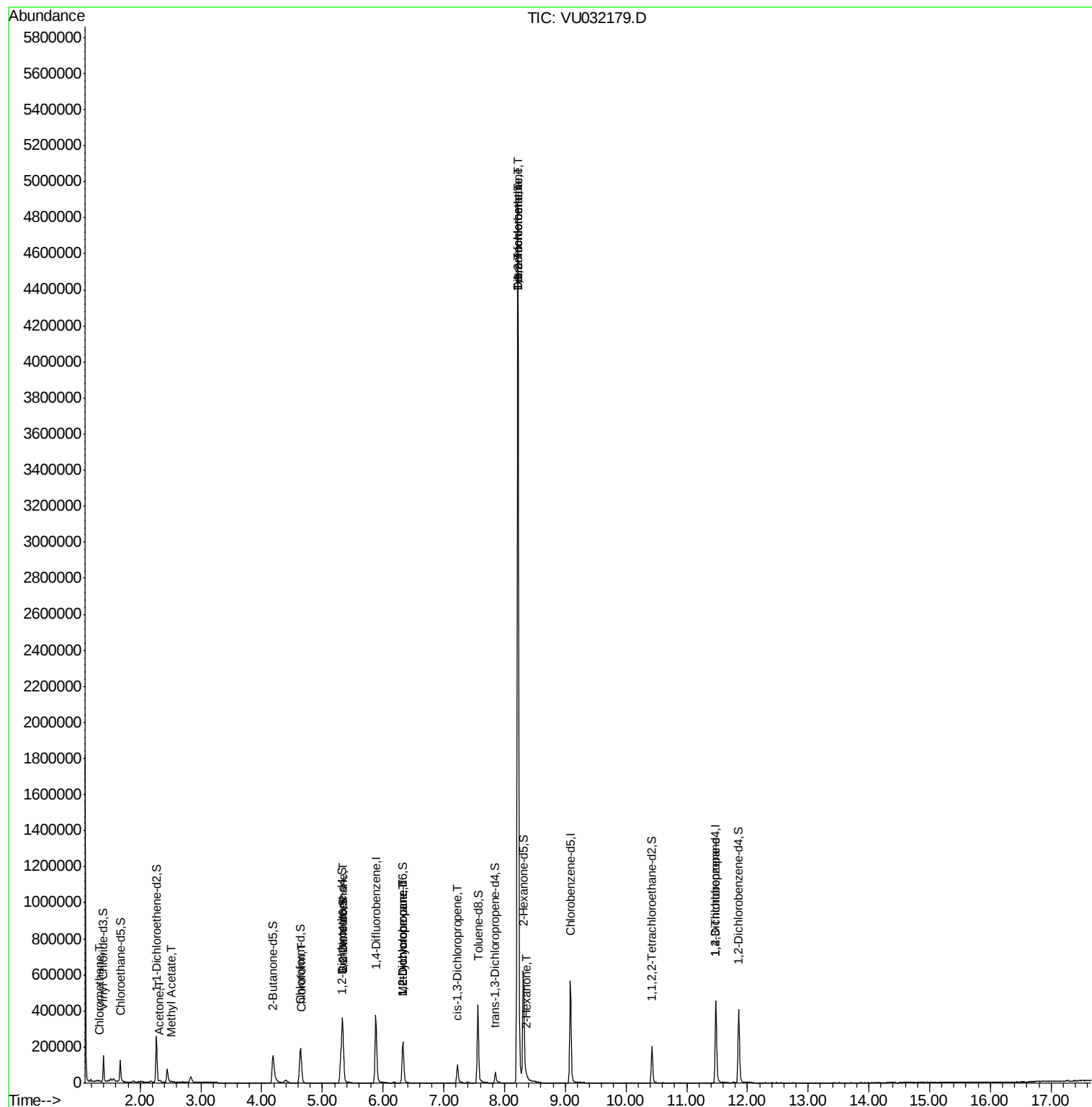
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.33	50	4782	0.289	ug/L	88
13) Acetone	2.32	43	7523	4.026	ug/L	92
15) Methyl Acetate	2.52	43	1049	0.196	ug/L #	42
25) Chloroform	4.66	83	3695	0.147	ug/L	97
27) 1,2-Dichloroethane	5.32	62	1980	0.137	ug/L #	73
35) Methylcyclohexane	6.33	83	28315	1.312	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	11789	0.873	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	2638	0.141	ug/L	95
45) 1,1,2-Trichloroethane	8.22	97	8296	0.832	ug/L #	1
47) Tetrachloroethene	8.22	164	1193874	106.593	ug/L	94
48) 2-Hexanone	8.37	43	8657	1.783	ug/L #	45
49) Dibromochloromethane	8.22	129	1071669	93.210	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	14012	1.633	ug/L	98

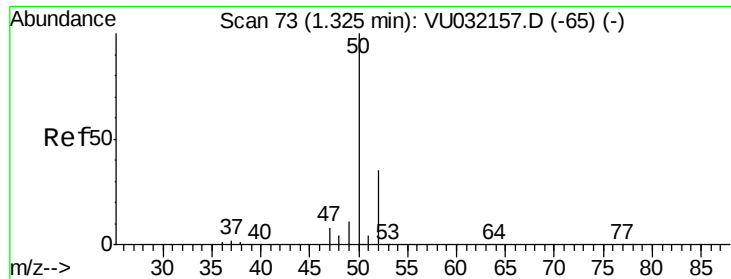
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.289 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032179.D

Acq: 21 May 2019 01:17

Instrument :

MSVOA_U

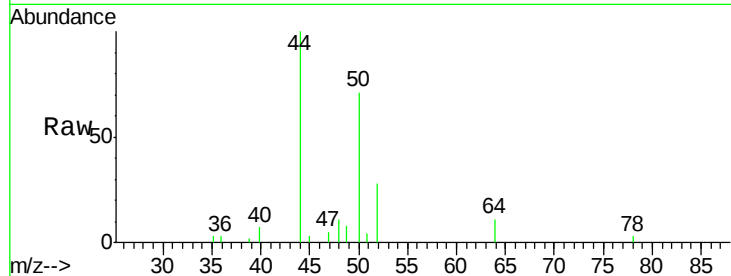
ClientSampleId :

Tot Ion: 50 Resp: 4782

Ion Ratio Lower Upper

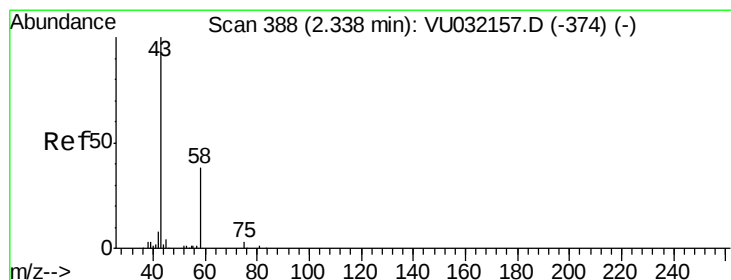
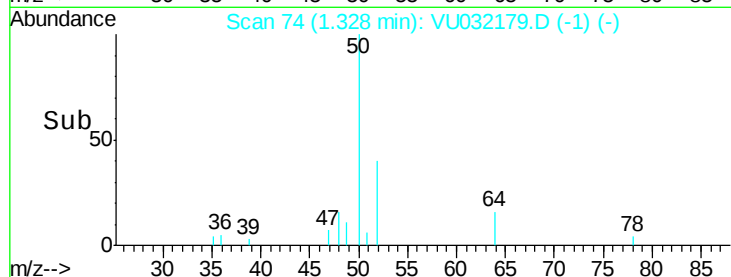
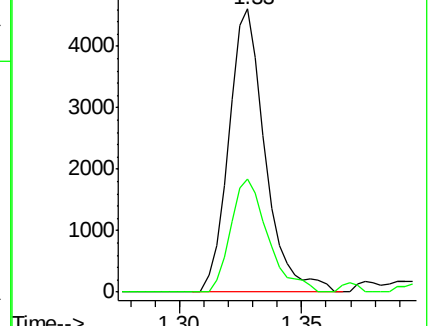
50 100

52 39.9 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#13

Acetone

Concen: 4.026 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032179.D

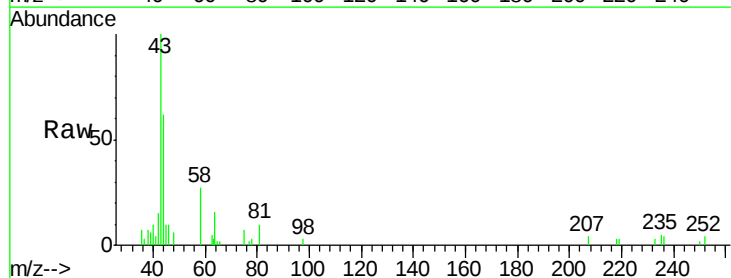
Acq: 21 May 2019 01:17

Tgt Ion: 43 Resp: 7523

Ion Ratio Lower Upper

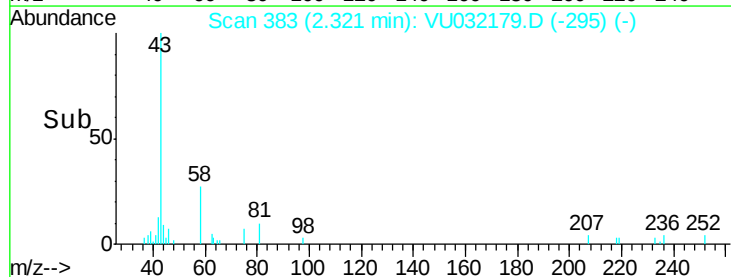
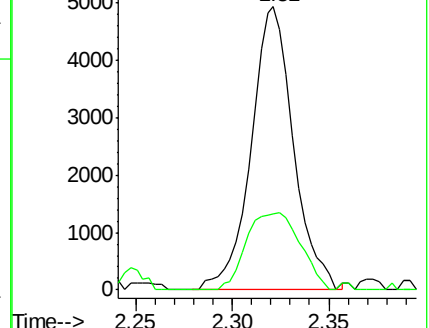
43 100

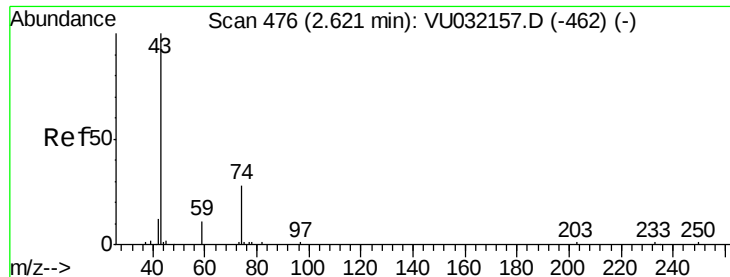
58 34.4 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

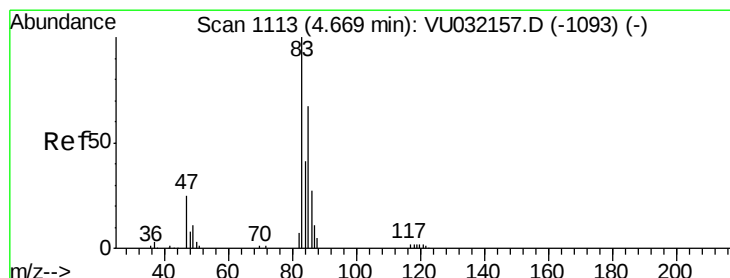
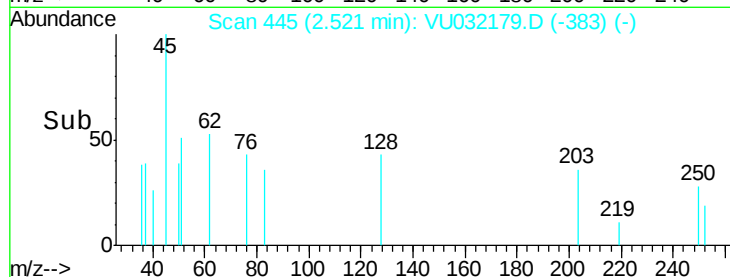
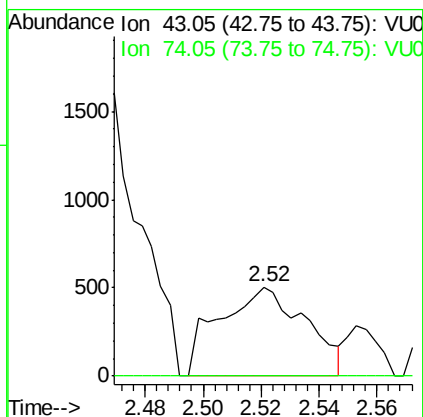
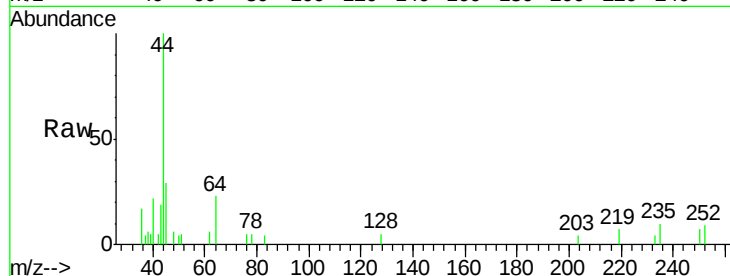




#15
Methvl Acetate
Concen: 0.196 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.10 min
Lab File: VU032179.D
Acq: 21 May 2019 01:17

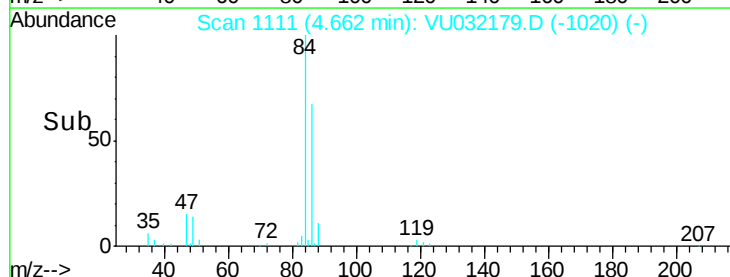
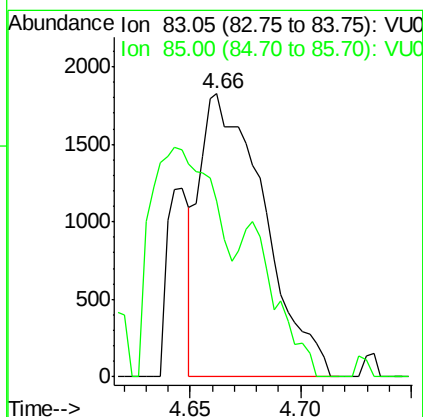
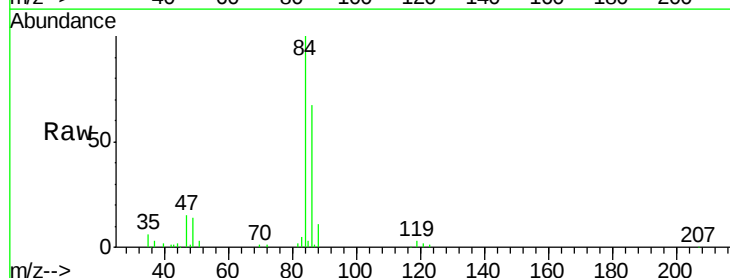
Instrument :
MSVOA_U
ClientSampleId :

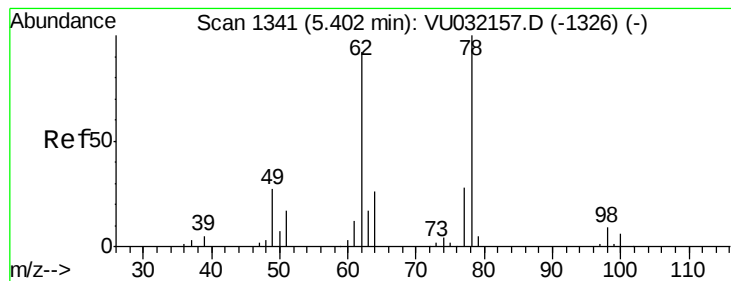
Tot Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#25
Chloroform
Concen: 0.147 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VU032179.D
Acq: 21 May 2019 01:17

Tgt Ion: 83 Resp: 3695
Ion Ratio Lower Upper
83 100
85 62.0 44.9 83.3





#27

1,2-Dichloroethane

Concen: 0.137 ug/L

RT: 5.32 min Scan# 1317

Delta R.T. -0.08 min

Lab File: VU032179.D

Acq: 21 May 2019 01:17

Instrument :

MSVOA_U

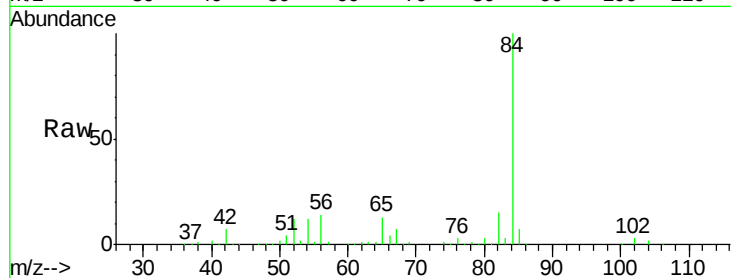
ClientSampleId :

Tot Ion: 62 Resp: 1980

Ion Ratio Lower Upper

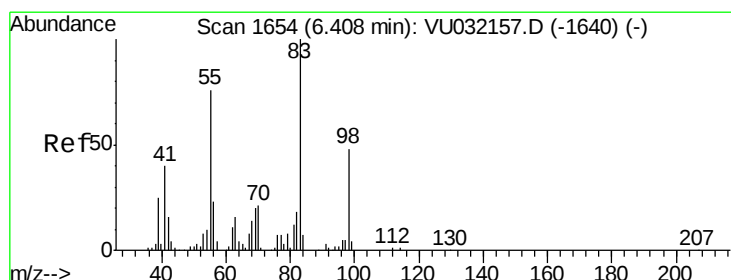
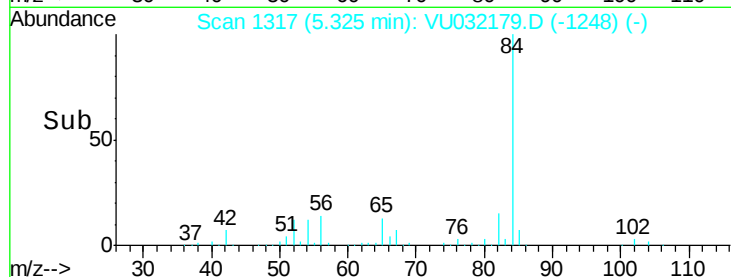
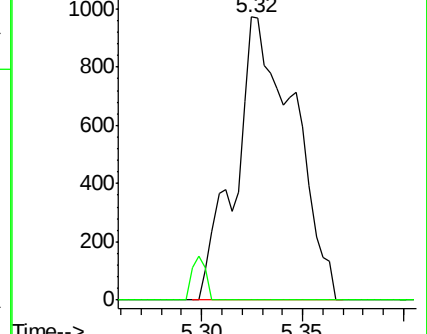
62 100

98 0.0 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#35

Methylcyclohexane

Concen: 1.312 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032179.D

Acq: 21 May 2019 01:17

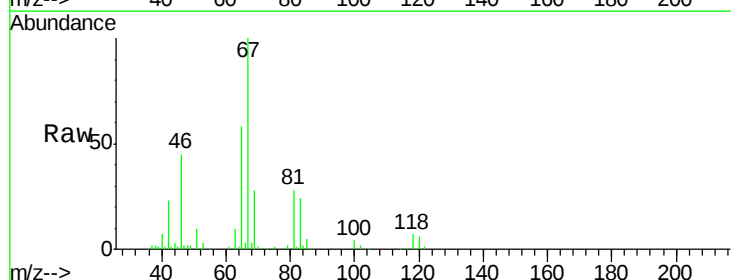
Tgt Ion: 83 Resp: 28315

Ion Ratio Lower Upper

83 100

55 0.8 59.7 89.5#

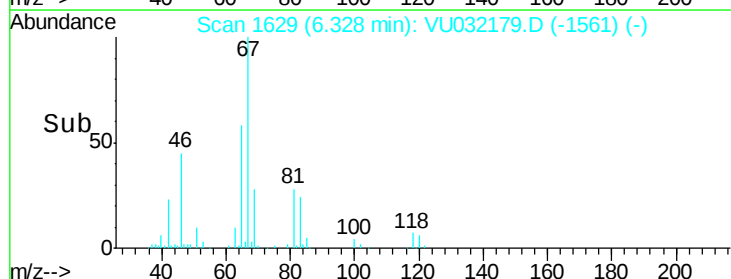
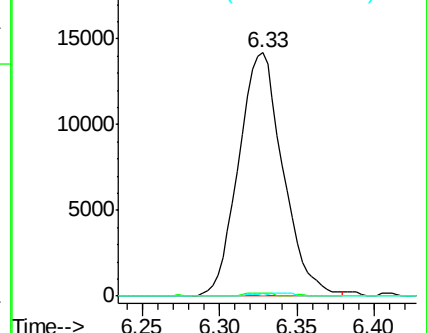
98 0.2 36.8 55.2#

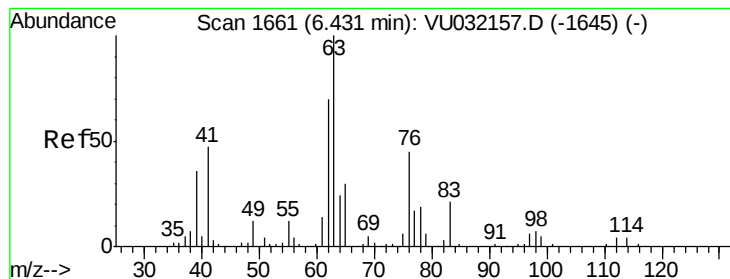


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.873 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032179.D

Acq: 21 May 2019 01:17

Instrument :

MSVOA_U

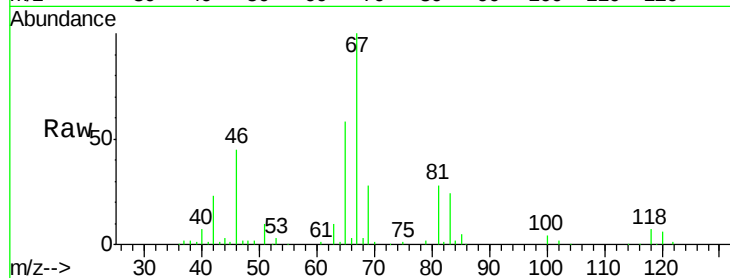
ClientSampleId :

Tot Ion: 63 Resp: 11789

Ion Ratio Lower Upper

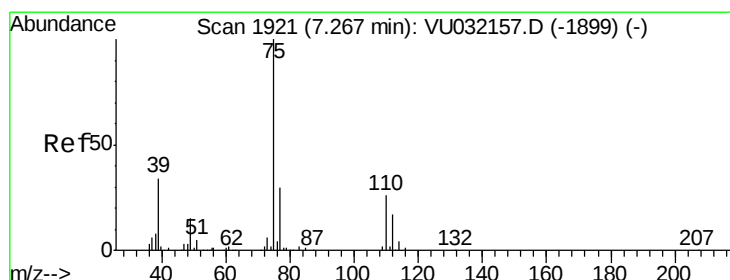
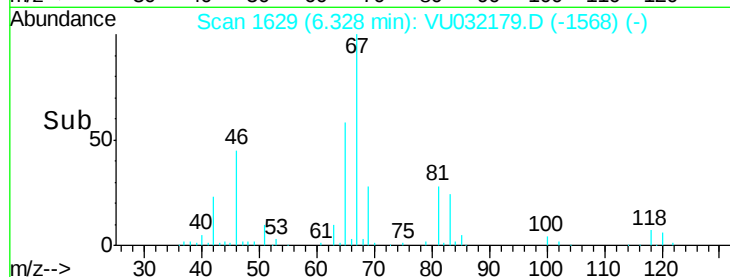
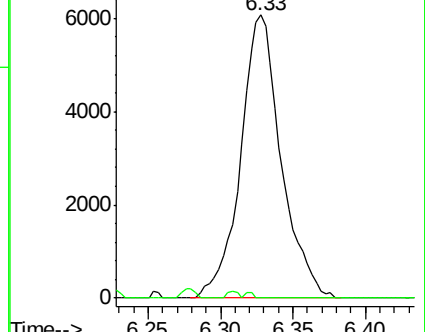
63 100

112 0.4 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU032179.D (-1629) (-)

Ion 112.10 (111.80 to 112.80): VU032179.D (-1629) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.141 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032179.D

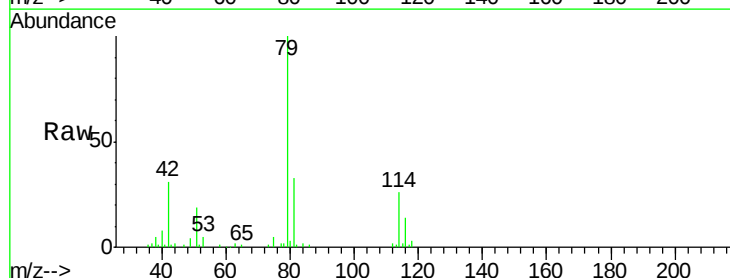
Acq: 21 May 2019 01:17

Tgt Ion: 75 Resp: 2638

Ion Ratio Lower Upper

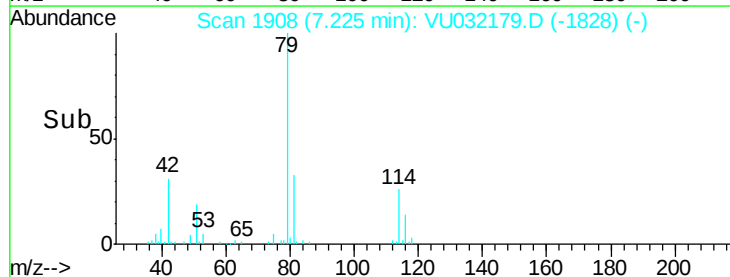
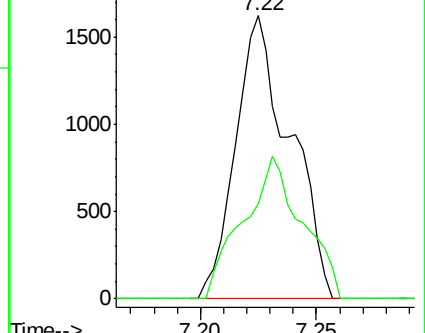
75 100

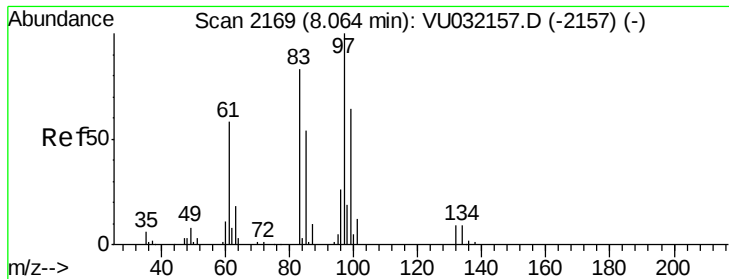
77 33.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU032179.D (-1898) (-)

Ion 77.05 (76.75 to 77.75): VU032179.D (-1898) (-)





#45

1,1,2-Trichloroethane

Concen: 0.832 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.16 min

Lab File: VU032179.D

Acq: 21 May 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 8296

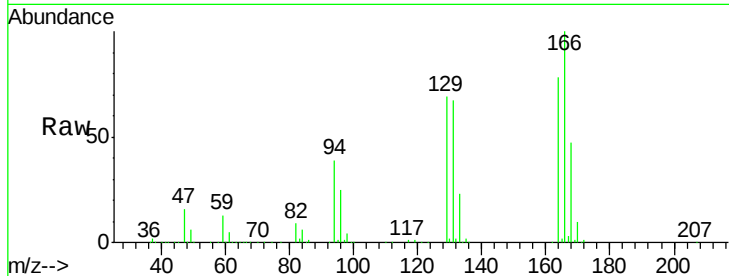
Ion Ratio Lower Upper

97 100

99 8.6 40.7 75.7#

83 282.1 59.6 110.8#

85 31.7 37.3 69.3#



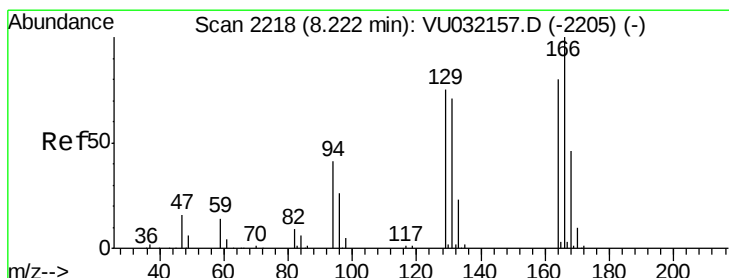
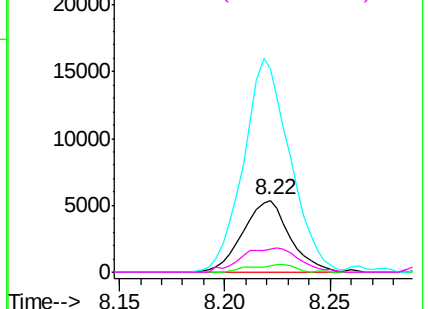
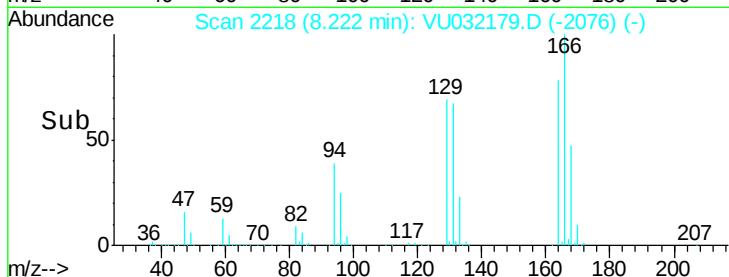
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 106.593 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032179.D

Acq: 21 May 2019 01:17

Tgt Ion:164 Resp: 1193874

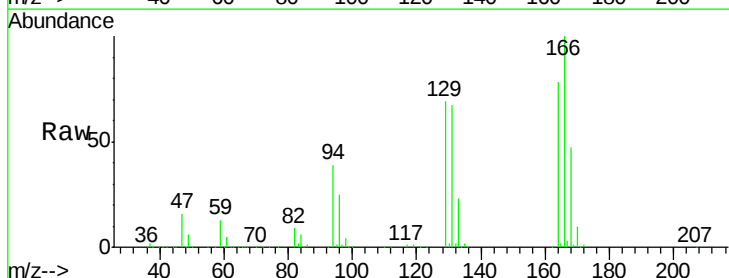
Ion Ratio Lower Upper

164 100

129 89.4 70.3 130.5

131 86.6 64.5 119.9

166 128.6 92.3 171.5



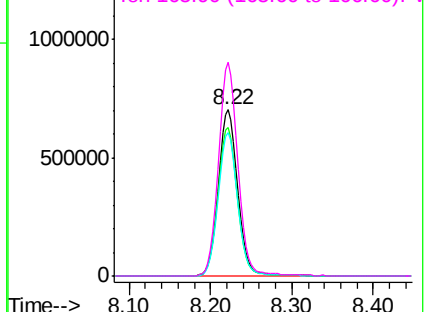
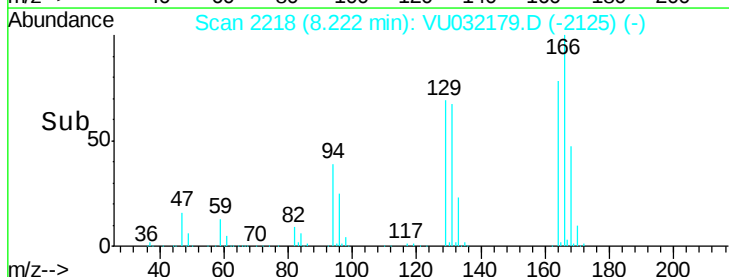
Abundance

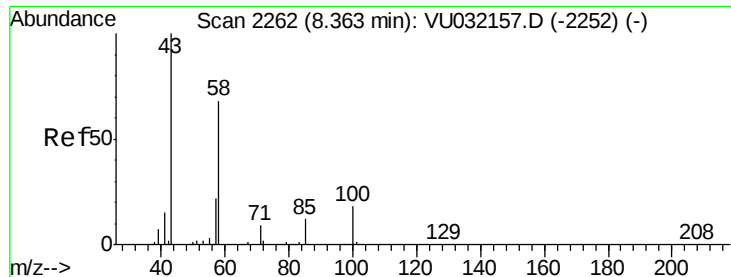
Ion 163.90 (163.60 to 164.60): V

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

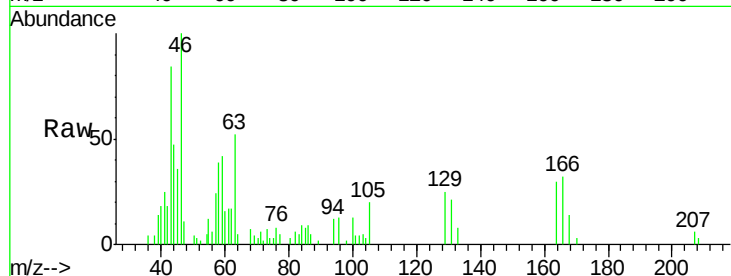




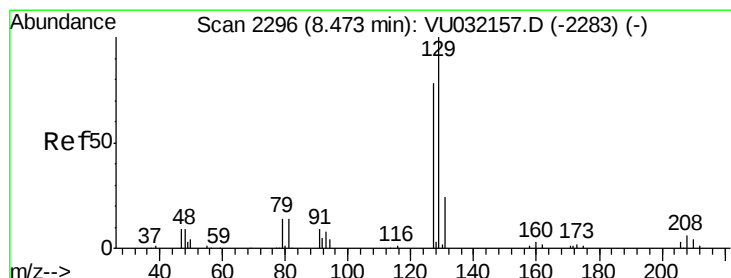
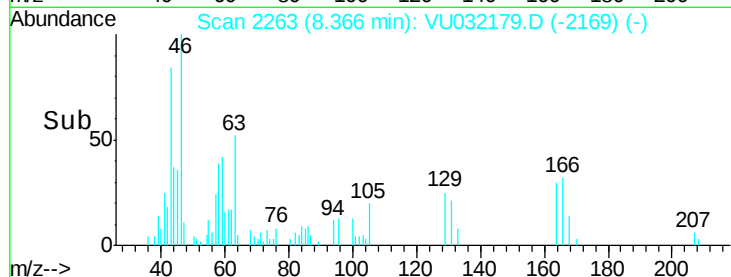
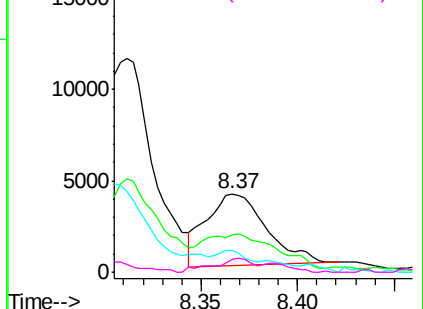
#48
2-Hexanone
Concen: 1.783 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU032179.D
Acq: 21 May 2019 01:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8657
Ion Ratio Lower Upper
43 100
58 6.2 51.6 77.4#
57 7.9 18.4 27.6#
100 12.0 12.2 18.4#

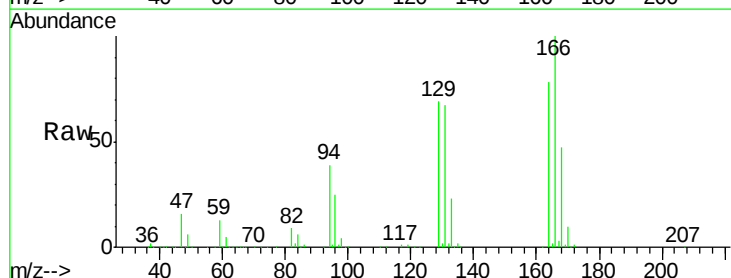


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

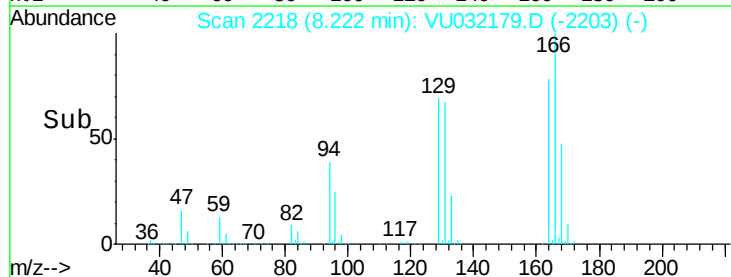
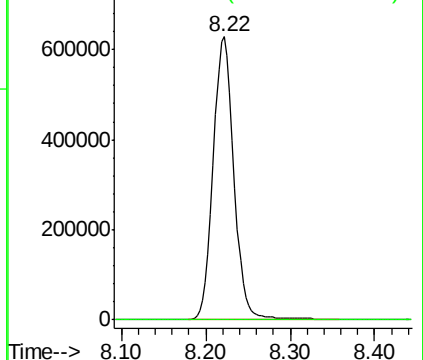


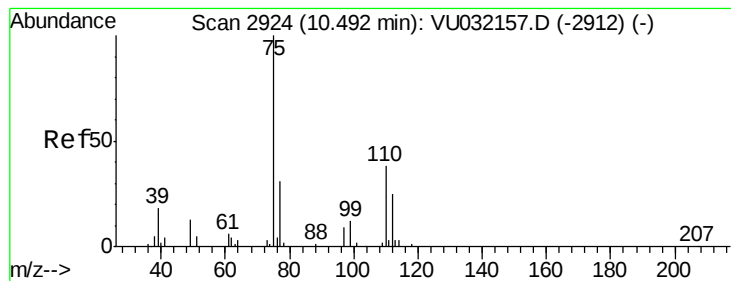
#49
Dibromochloromethane
Concen: 93.210 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032179.D
Acq: 21 May 2019 01:17

Tgt Ion: 129 Resp: 1071669
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#



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: 1.633 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032179.D

Acq: 21 May 2019 01:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 14012

Ion Ratio Lower Upper

75 100

77 34.0 26.2 39.2

