

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101519\
 Data File : VU035188.D
 Acq On : 15 Oct 2019 13:34
 Operator : JC/SP
 Sample : K5317-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 15 15:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 15 15:10:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	147396	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	154364	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	54384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	39810	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.68	69	39466	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.26	63	59353	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.18	46	142272	55.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.90%
24) Chloroform-d	4.62	84	85697	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.29	65	49664	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.32	84	158123	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.31	67	59214	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.55	98	131130	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
43) trans-1,3-Dichloropropene-	7.84	79	18045	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.30	63	98262	47.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	51781	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	45813	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

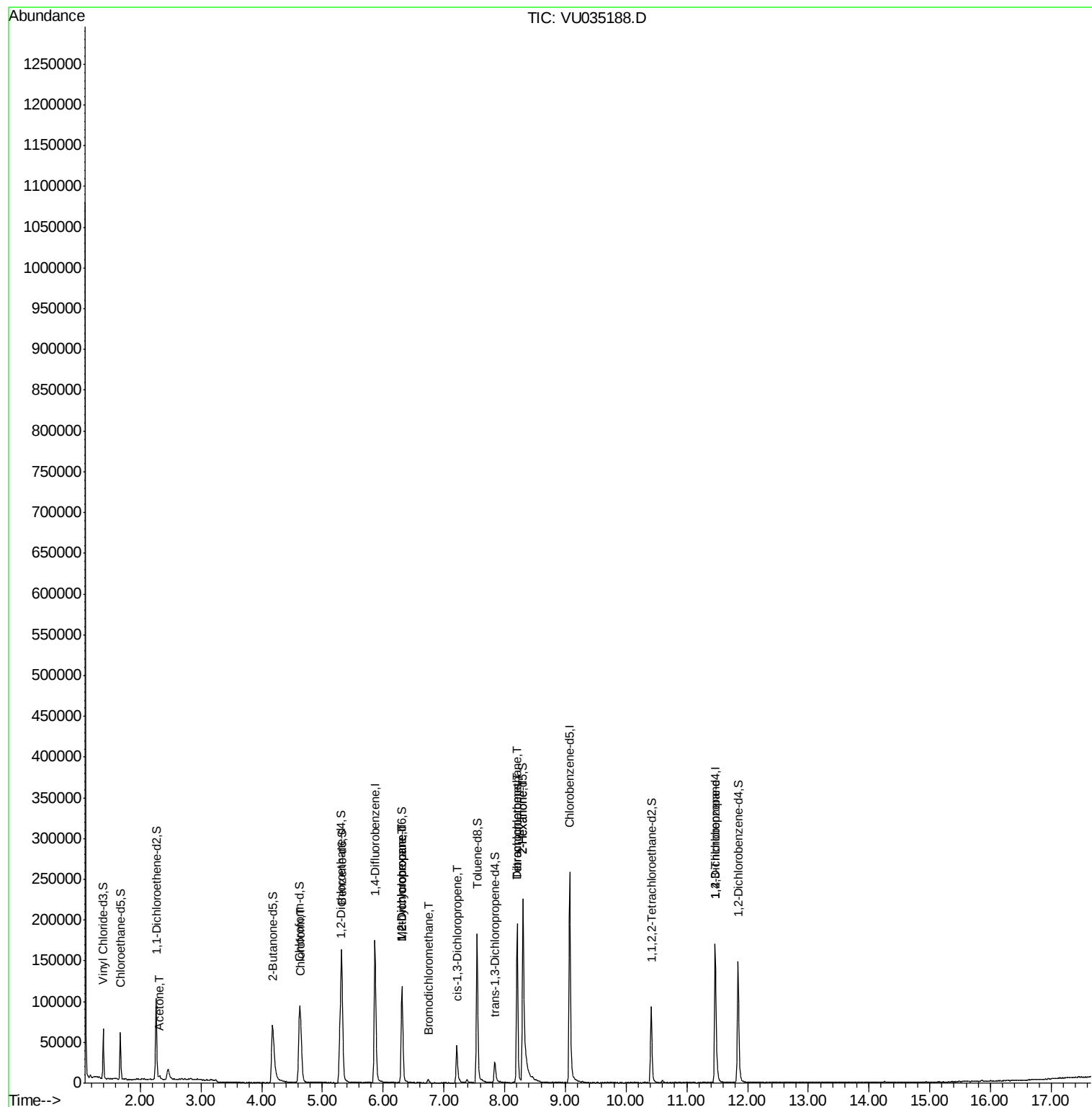
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	5620	2.674	ug/L	87
25) Chloroform	4.65	83	35820	1.582	ug/L	97
35) Methylcyclohexane	6.31	83	13106	0.675	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6501	0.518	ug/L #	89
38) Bromodichloromethane	6.74	83	2936	0.200	ug/L #	95
39) cis-1,3-Dichloropropene	7.22	75	1460	0.086	ug/L	85
47) Tetrachloroethene	8.21	164	42546	4.383	ug/L	97
48) 2-Hexanone	8.31	43	10790	1.994	ug/L #	63
49) Dibromochloromethane	8.21	129	41510	4.312	ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7522	0.926	ug/L	98

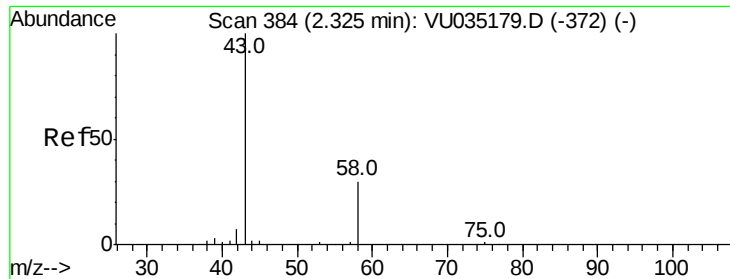
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 15 15:10:16 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.674 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU035188.D

Acq: 15 Oct 2019 13:34

Instrument :

MSVOA_U

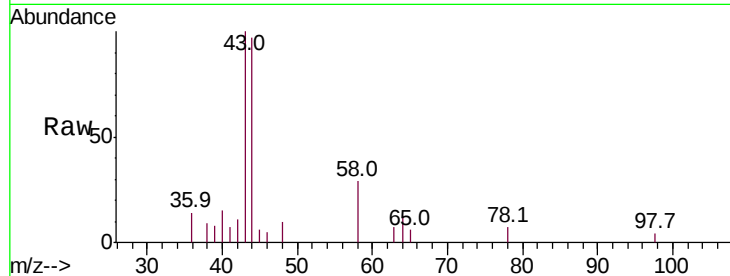
ClientSampleId :

Tot Ion: 43 Resp: 5620

Ion Ratio Lower Upper

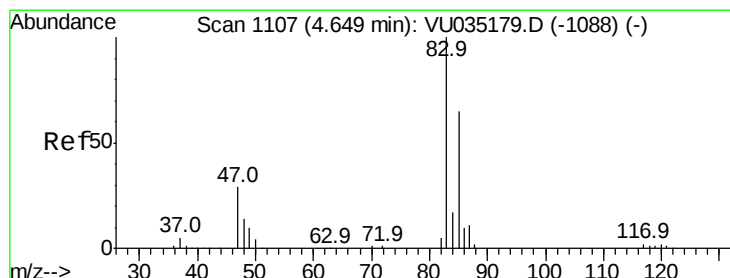
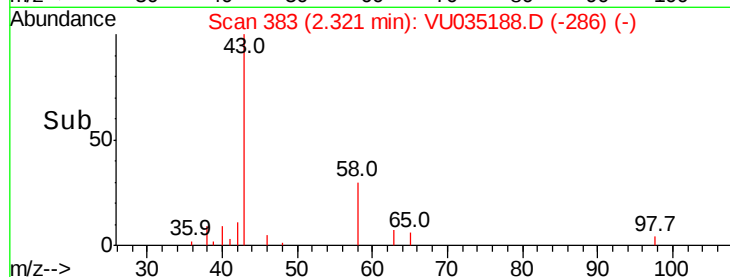
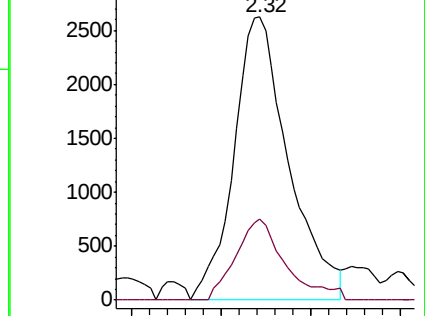
43 100

58 25.9 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035179.D (-372) (-)

Ion 58.05 (57.75 to 58.75): VU035179.D (-372) (-)



#25

Chloroform

Concen: 1.582 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035188.D

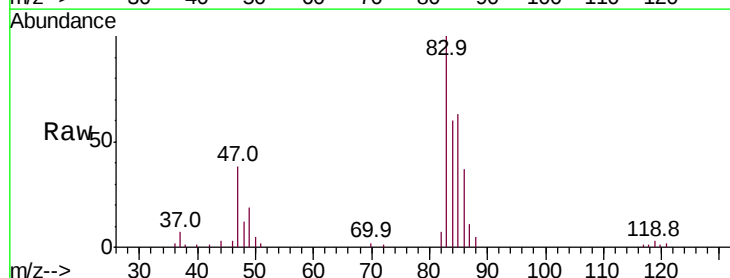
Acq: 15 Oct 2019 13:34

Tgt Ion: 83 Resp: 35820

Ion Ratio Lower Upper

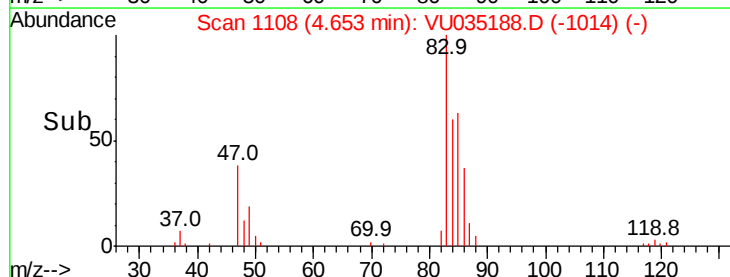
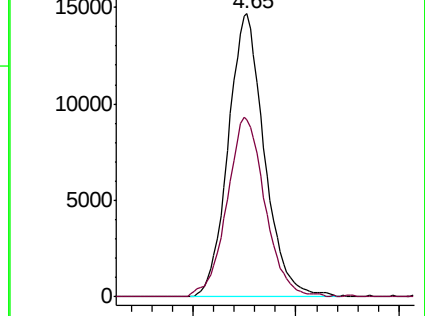
83 100

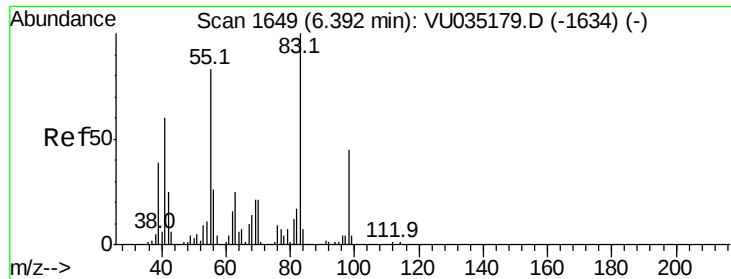
85 62.7 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035179.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035179.D (-1088) (-)

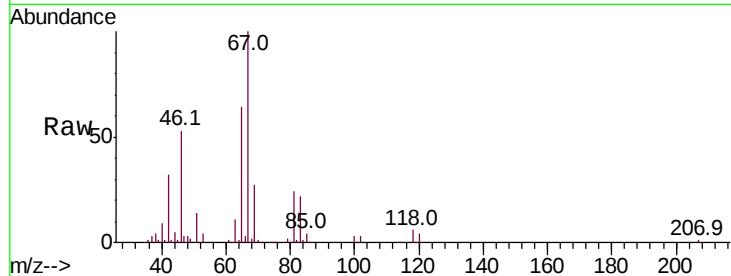




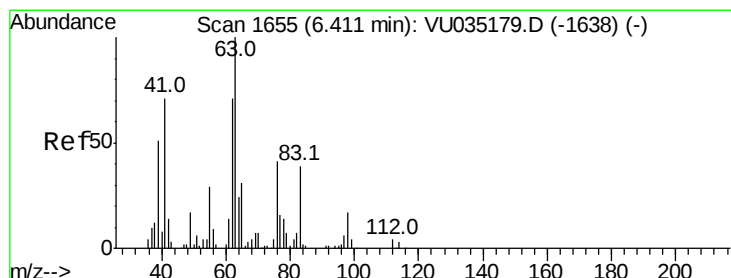
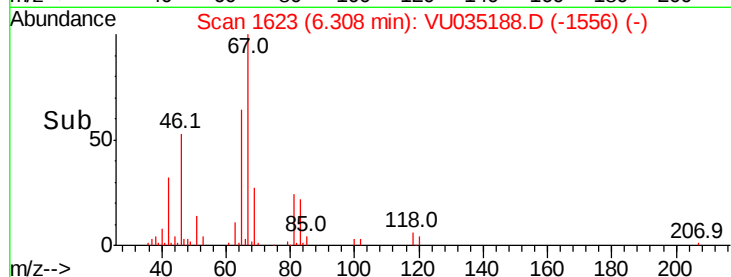
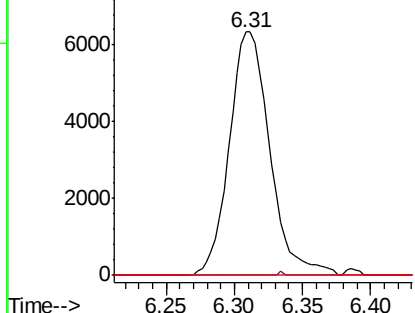
#35
Methvlcvclohexane
Concen: 0.675 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU035188.D
Acq: 15 Oct 2019 13:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 13106
Ion Ratio Lower Upper
83 100
55 0.2 62.6 94.0#
98 0.0 36.2 54.2#

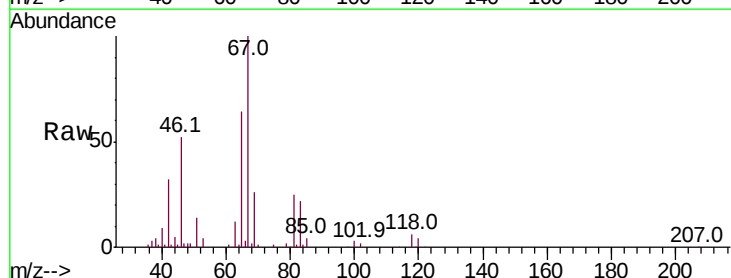


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

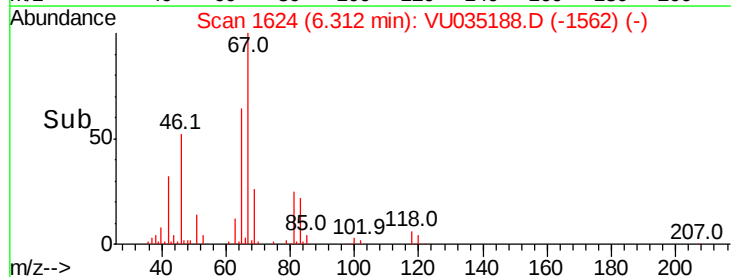
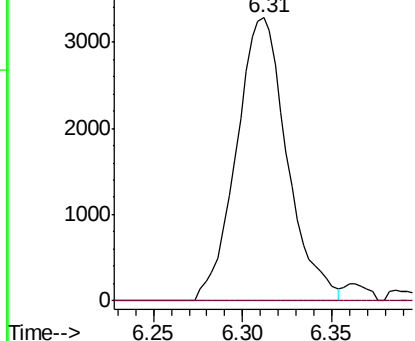


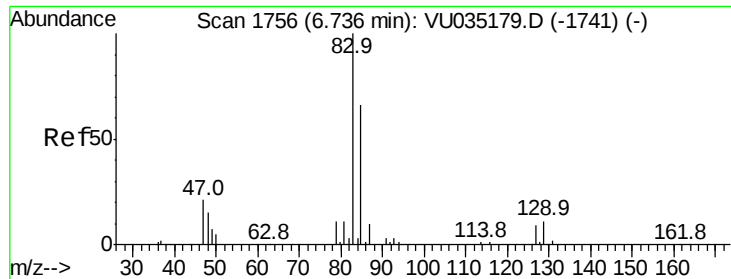
#37
1,2-Dichloropropane
Concen: 0.518 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU035188.D
Acq: 15 Oct 2019 13:34

Tgt Ion: 63 Resp: 6501
Ion Ratio Lower Upper
63 100
112 0.3 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.200 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU035188.D

Acq: 15 Oct 2019 13:34

Instrument :

MSVOA_U

ClientSampleId :

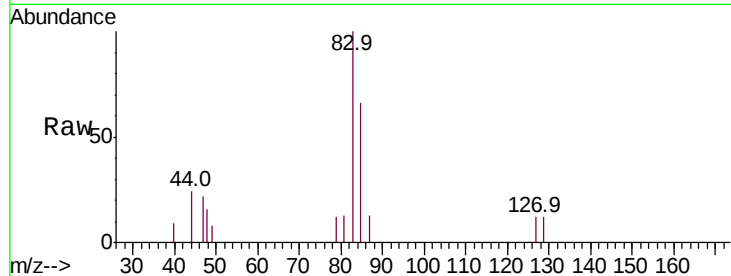
Tot Ion: 83 Resp: 2936

Ion Ratio Lower Upper

83 100

85 66.4 44.0 81.8

127 11.9 7.0 10.4#



Abundance Ion 82.95 (82.65 to 83.65): VU035179.D (-1741) (-)

Ion 85.00 (84.70 to 85.70): VU035179.D (-1741) (-)

Ion 126.90 (126.60 to 127.60): VU035179.D (-1741) (-)

6.74

1500

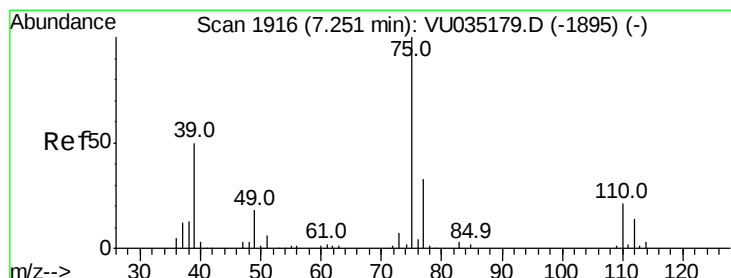
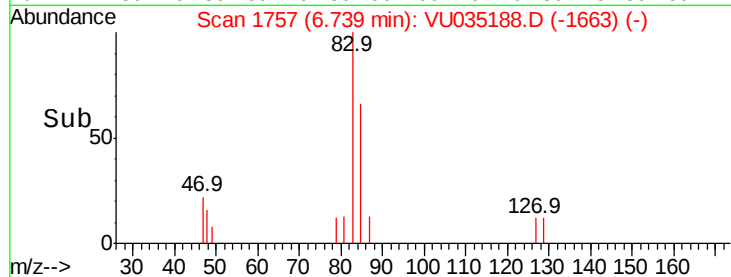
1000

500

0

6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.22 min Scan# 1905

Delta R.T. -0.04 min

Lab File: VU035188.D

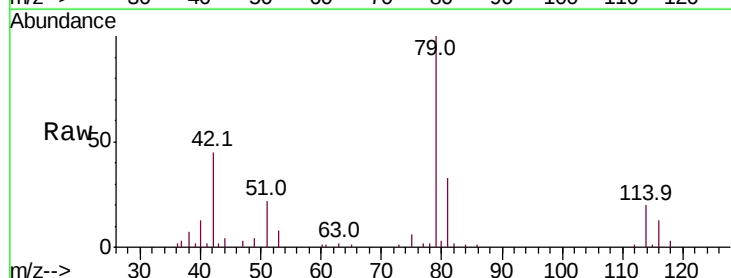
Acq: 15 Oct 2019 13:34

Tgt Ion: 75 Resp: 1460

Ion Ratio Lower Upper

75 100

77 40.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU035179.D (-1895) (-)

Ion 77.05 (76.75 to 77.75): VU035179.D (-1895) (-)

7.22

1000

800

600

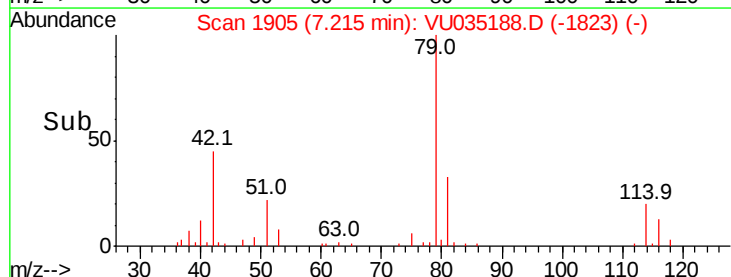
400

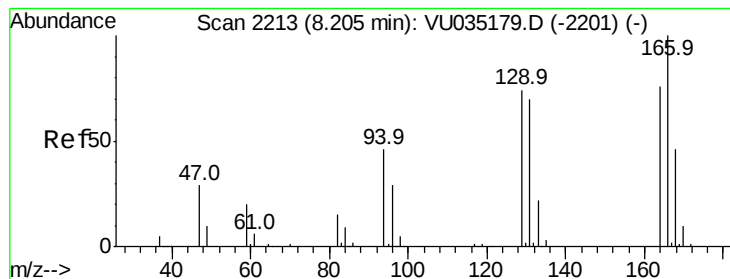
200

0

7.20 7.25

Time-->





#47

Tetrachloroethene

Concen: 4.383 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035188.D

Acq: 15 Oct 2019 13:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 42546

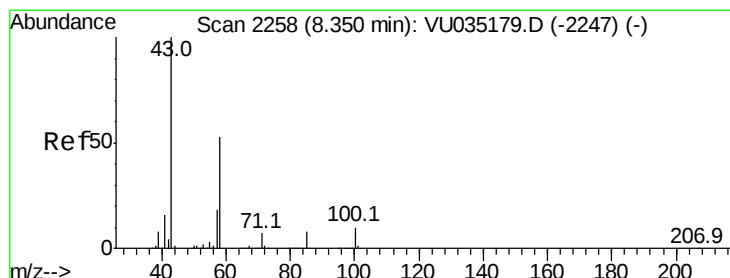
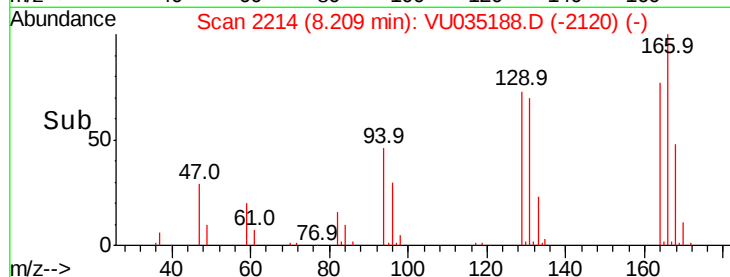
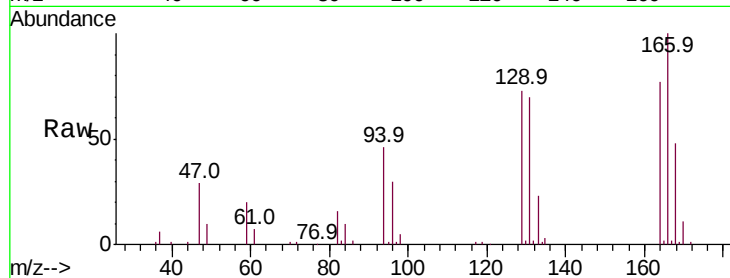
Ion Ratio Lower Upper

164 100

129 95.0 68.5 127.1

131 91.1 67.3 124.9

166 129.9 93.1 172.9



#48

2-Hexanone

Concen: 1.994 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.04 min

Lab File: VU035188.D

Acq: 15 Oct 2019 13:34

Tgt Ion: 43 Resp: 10790

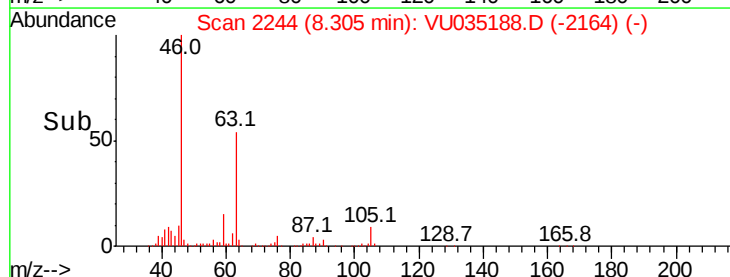
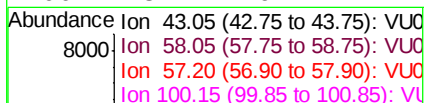
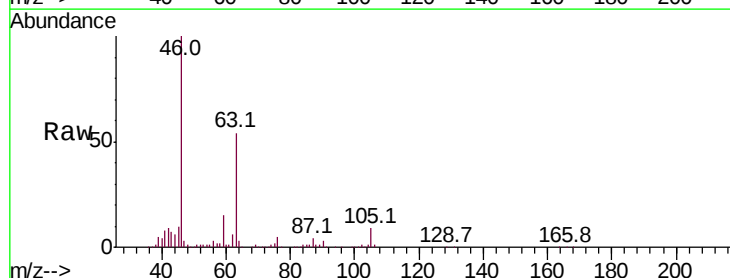
Ion Ratio Lower Upper

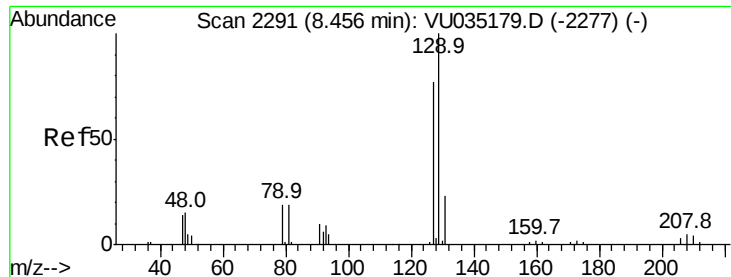
43 100

58 31.1 44.1 66.1#

57 45.4 15.8 23.8#

100 3.1 9.4 14.2#

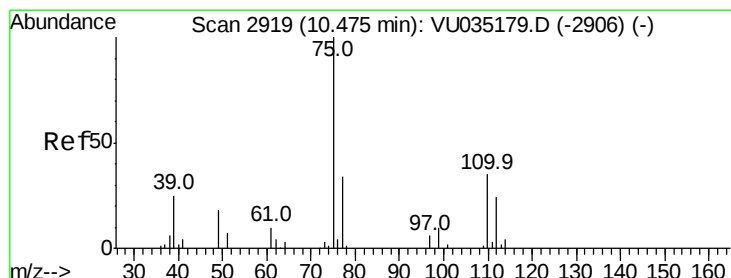
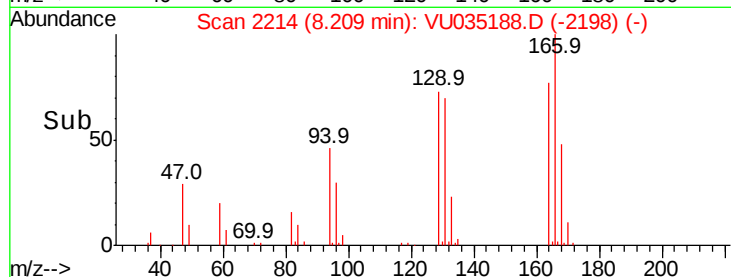
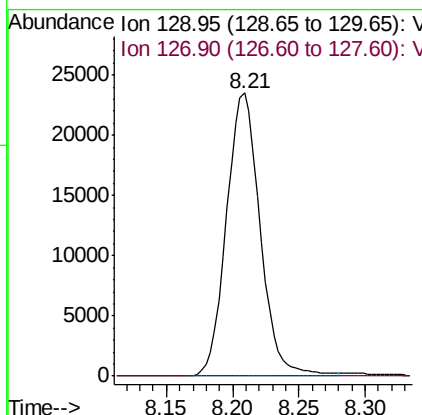
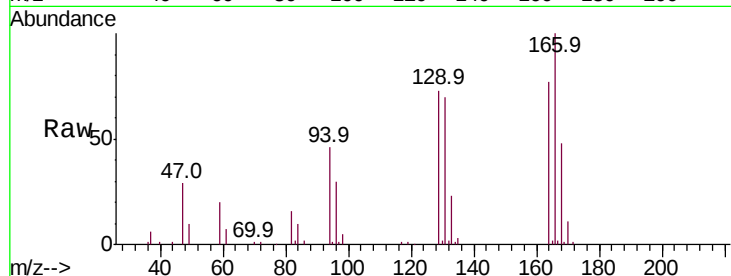




#49
 Dibromochloromethane
 Concen: 4.312 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.25 min
 Lab File: VU035188.D
 Acq: 15 Oct 2019 13:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:129 Resp: 41510
 Ion Ratio Lower Upper
 129 100
 127 0.0 51.9 96.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.926 ug/L
 RT: 11.47 min Scan# 3228
 Delta R.T. 0.99 min
 Lab File: VU035188.D
 Acq: 15 Oct 2019 13:34

Tgt Ion: 75 Resp: 7522
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.5 39.7

