

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035130.D
 Acq On : 12 Oct 2019 08:32
 Operator : JC/SP
 Sample : VIBLK41
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 01:16:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	142977	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	150268	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	58902	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42752	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.68	69	42082	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.26	63	66306	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	4.17	46	135436	54.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.84%
24) Chloroform-d	4.62	84	83741	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.29	65	47891	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.32	84	166567	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.31	67	58856	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.55	98	140949	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.84	79	16899	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.30	63	95088	47.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.32%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	50555	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	49973	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

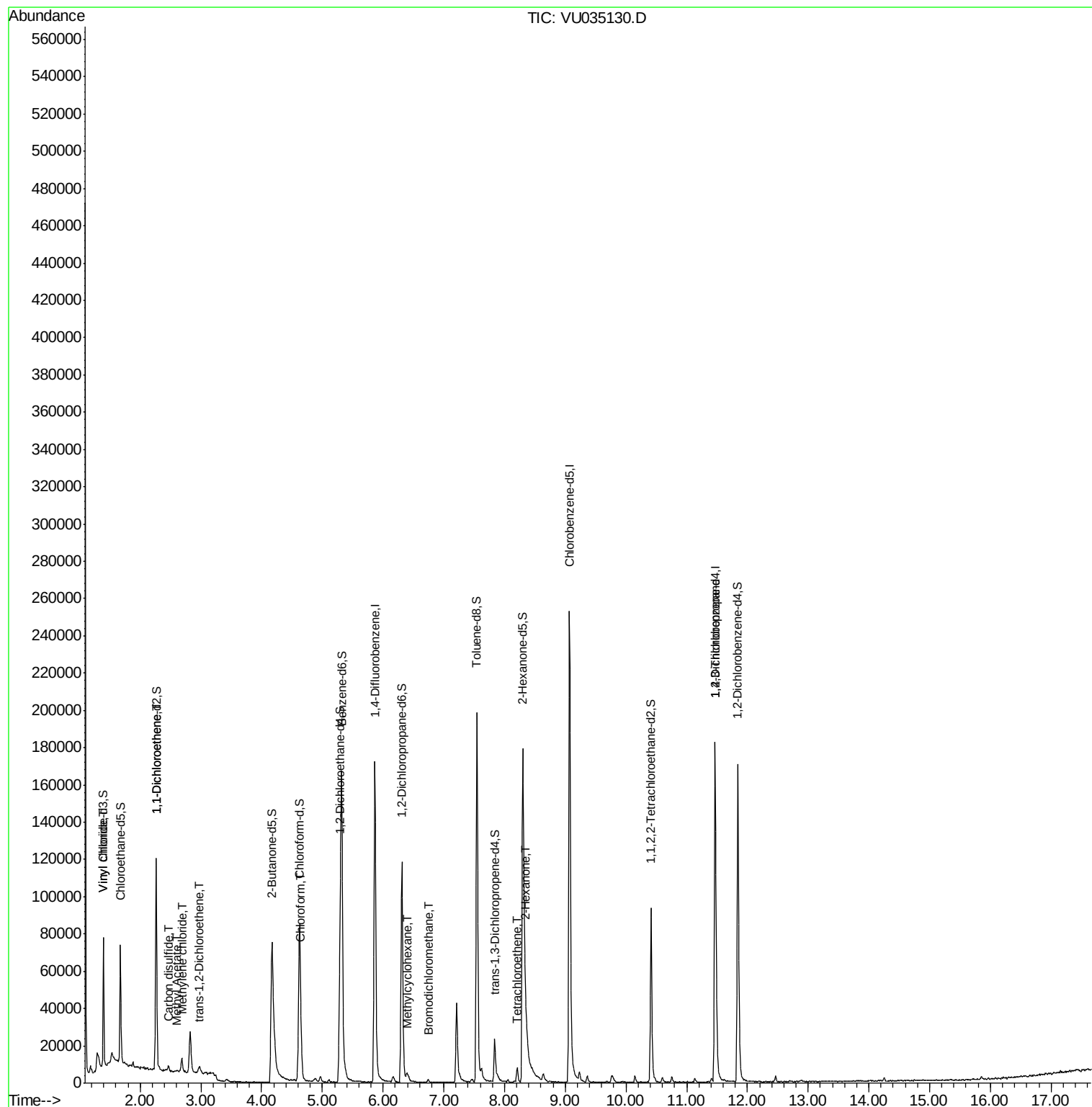
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	1404	0.100	ug/L #	1
12) 1,1-Dichloroethene	2.27	96	1062	0.116	ug/L #	1
14) Carbon disulfide	2.47	76	3169	0.104	ug/L #	71
15) Methyl Acetate	2.60	43	1005	0.185	ug/L #	53
16) Methylene chloride	2.69	84	2792	0.246	ug/L	87
18) trans-1,2-Dichloroethene	2.97	96	832	0.085	ug/L	82
25) Chloroform	4.65	83	9644	0.439	ug/L	95
35) Methylcyclohexane	6.39	83	1604	0.085	ug/L #	79
38) Bromodichloromethane	6.74	83	1167	0.082	ug/L #	94
47) Tetrachloroethene	8.21	164	1912	0.202	ug/L	91
48) 2-Hexanone	8.35	43	5269	1.000	ug/L #	45
59) 1,2,3-Trichloropropane	11.47	75	8137	1.030	ug/L	98

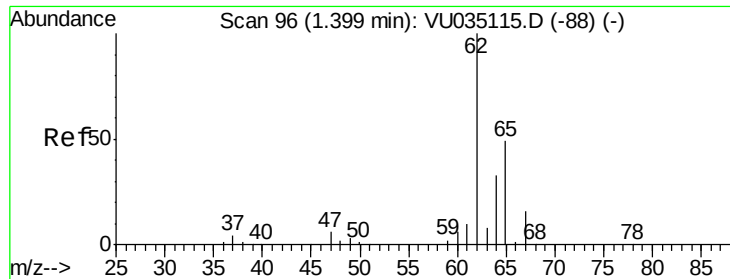
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 14 01:16:14 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.100 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035130.D

Acq: 12 Oct 2019 08:32

Instrument :

MSVOA_U

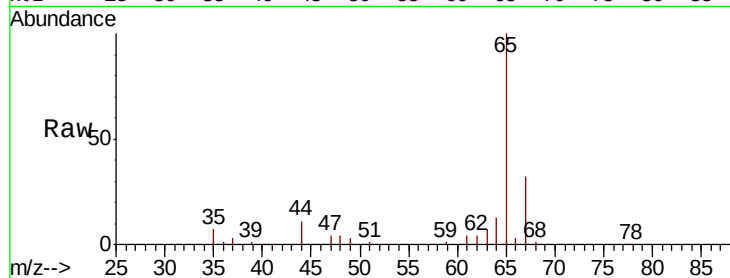
ClientSampled :

Tot Ion: 62 Resp: 1404

Ion Ratio Lower Upper

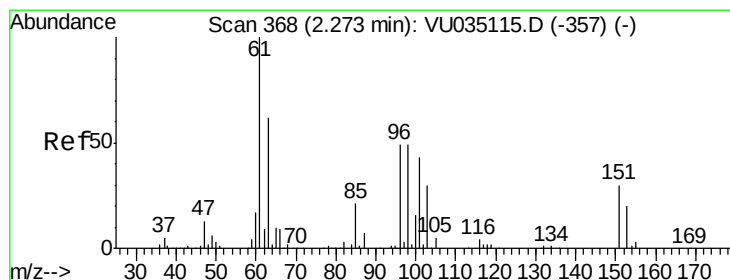
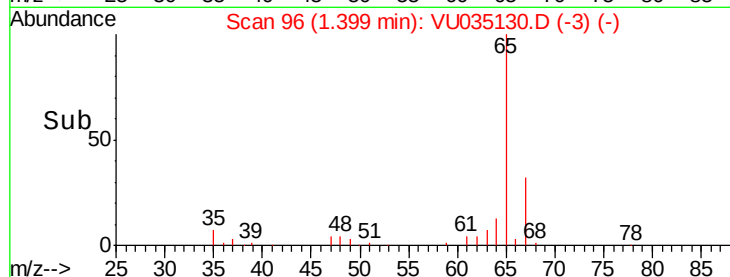
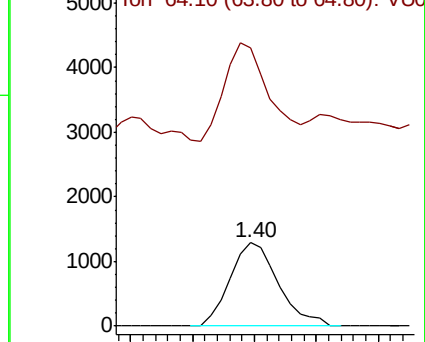
62 100

64 333.0 22.8 42.4#



Abundance Ion 62.00 (61.70 to 62.70): VU035115.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU035115.D (-88) (-)



#12

1,1-Dichloroethene

Concen: 0.116 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035130.D

Acq: 12 Oct 2019 08:32

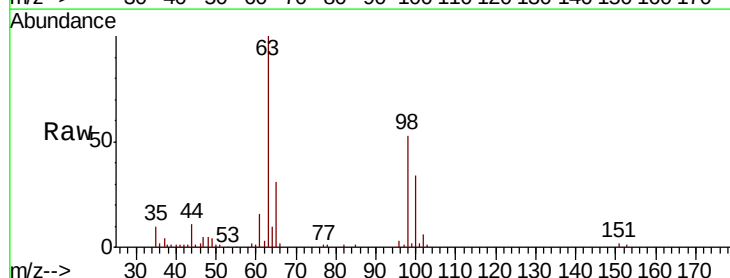
Tgt Ion: 96 Resp: 1062

Ion Ratio Lower Upper

96 100

61 567.2 129.3 240.1#

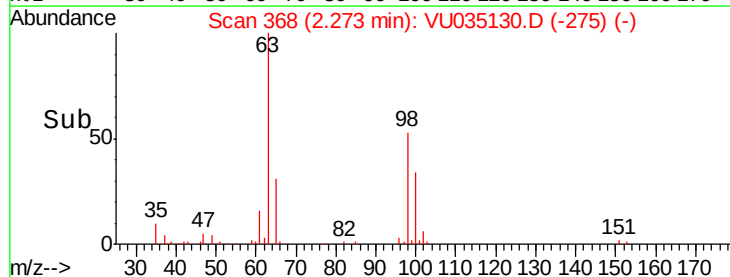
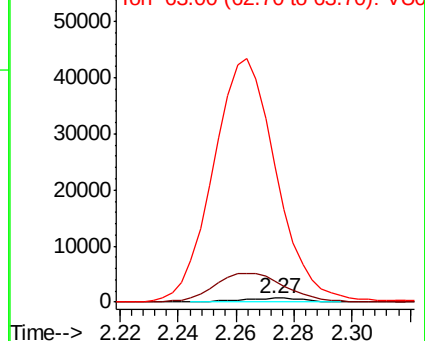
63 3573.4 108.9 202.3#

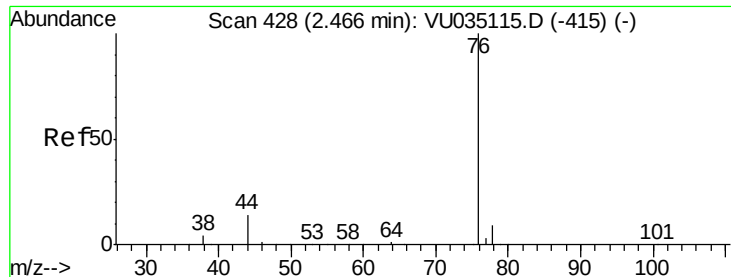


Abundance Ion 96.00 (95.70 to 96.70): VU035115.D (-357) (-)

Ion 61.05 (60.75 to 61.75): VU035115.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU035115.D (-357) (-)





#14

Carbon disulfide

Concen: 0.104 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035130.D

Acq: 12 Oct 2019 08:32

Instrument :

MSVOA_U

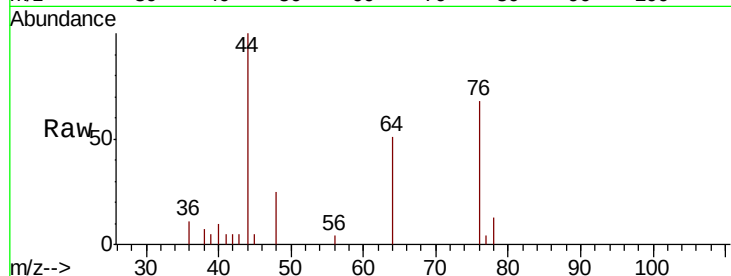
ClientSampleId :

Tot Ion: 76 Resp: 3169

Ion Ratio Lower Upper

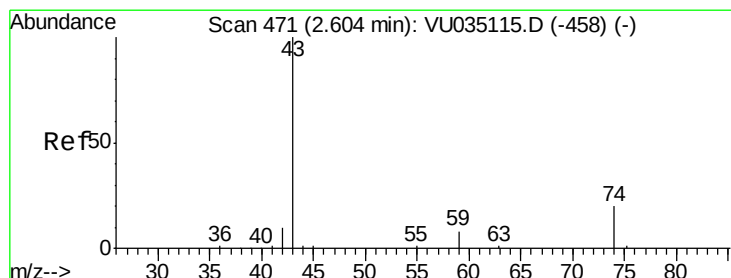
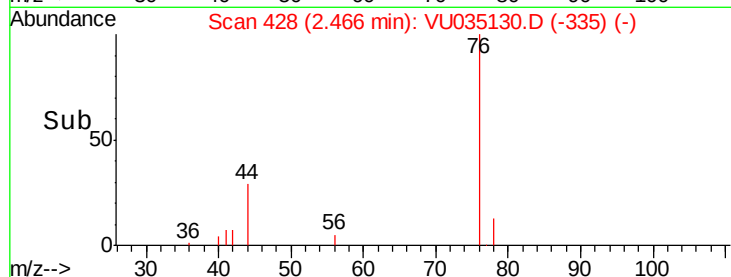
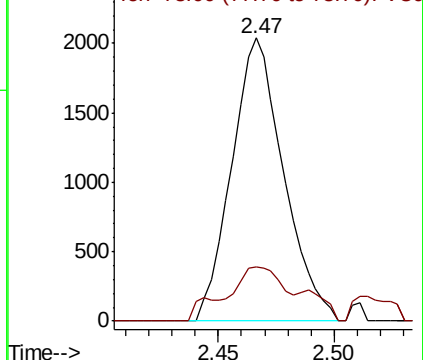
76 100

78 19.4 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU035115.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU035115.D (-415) (-)



#15

Methyl Acetate

Concen: 0.185 ug/L

RT: 2.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU035130.D

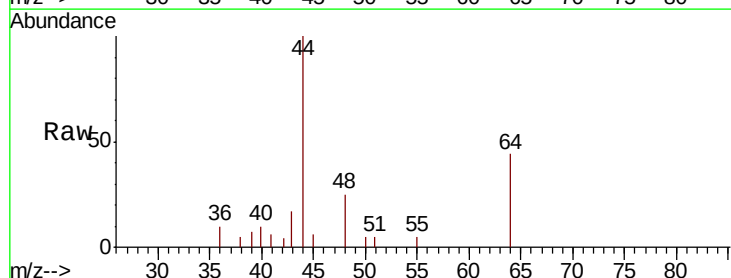
Acq: 12 Oct 2019 08:32

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

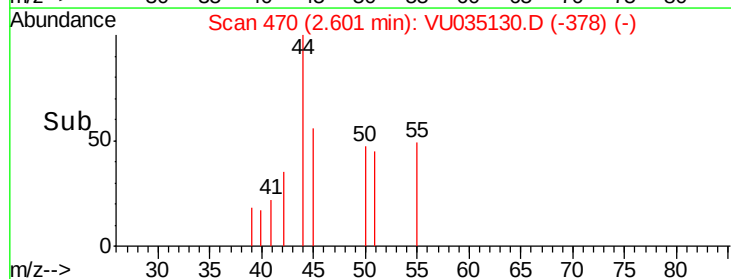
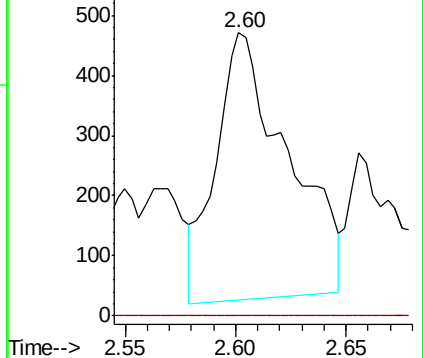
43 100

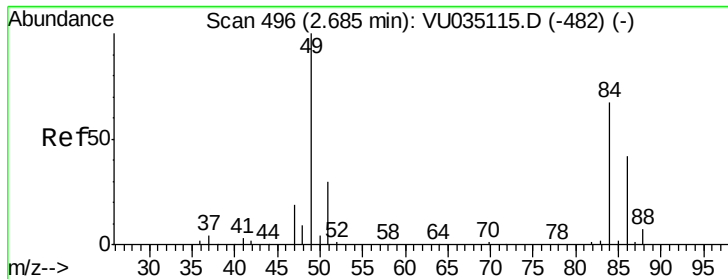
74 0.0 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU035115.D (-458) (-)

Ion 74.05 (73.75 to 74.75): VU035115.D (-458) (-)

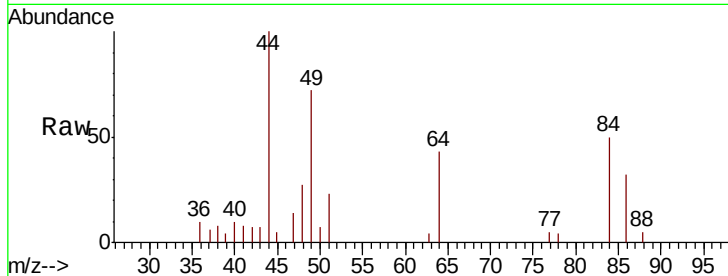




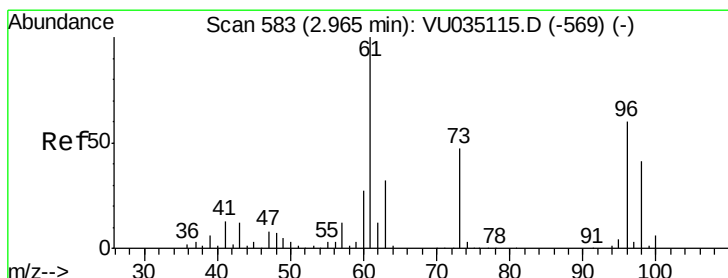
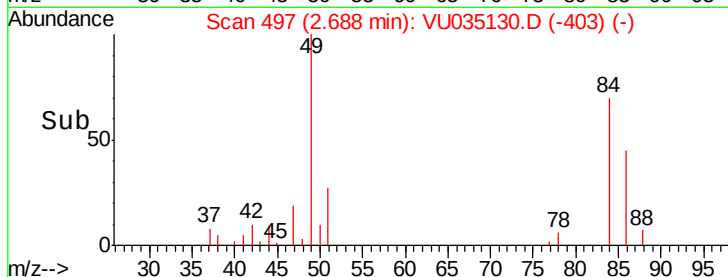
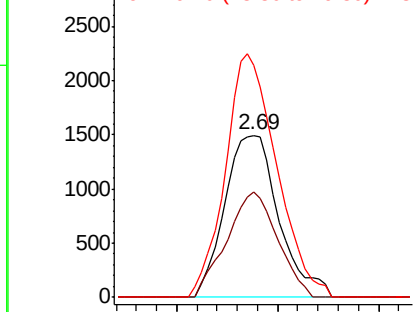
#16
Methvlene chloride
Concen: 0.246 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU035130.D
Acq: 12 Oct 2019 08:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 2792
Ion Ratio Lower Upper
84 100
86 64.7 42.5 78.9
49 143.7 86.9 161.3

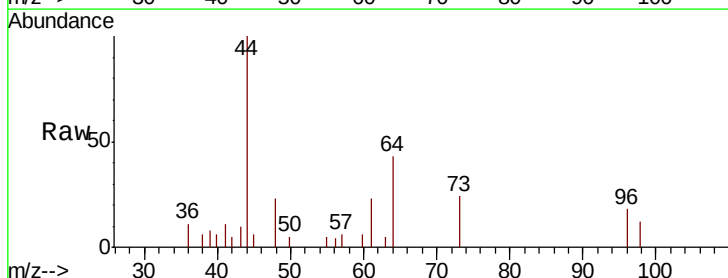


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

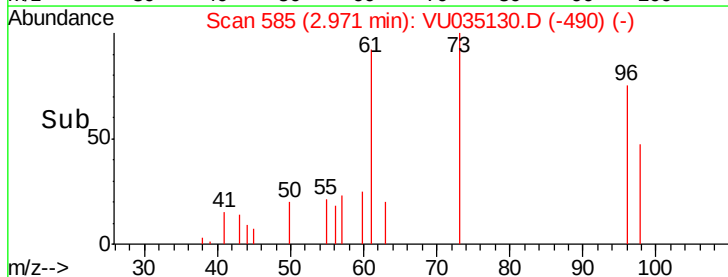
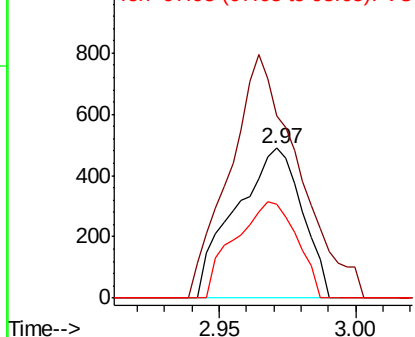


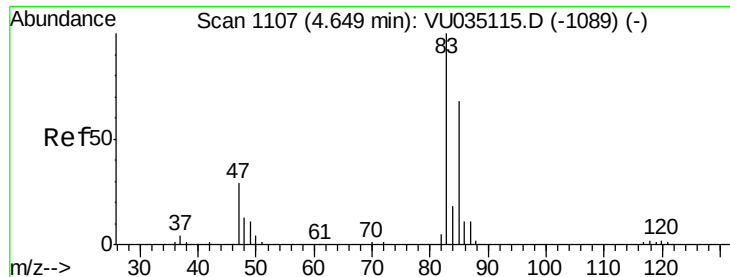
#18
trans-1,2-Dichloroethene
Concen: 0.085 ug/L
RT: 2.97 min Scan# 585
Delta R.T. 0.01 min
Lab File: VU035130.D
Acq: 12 Oct 2019 08:32

Tgt Ion: 96 Resp: 832
Ion Ratio Lower Upper
96 100
61 121.9 107.1 198.9
98 62.4 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

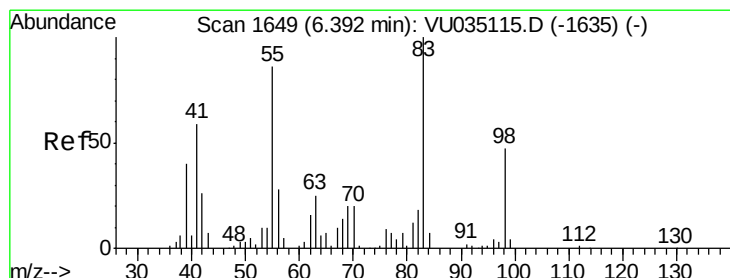
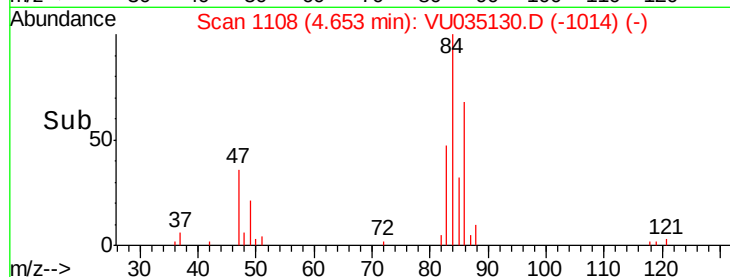
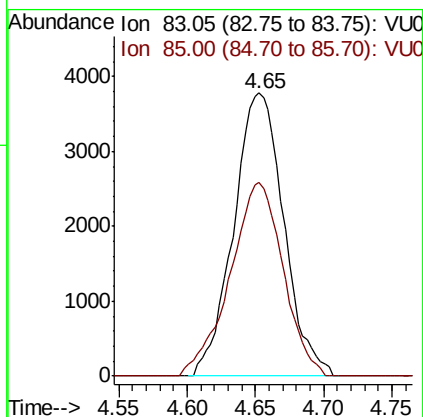
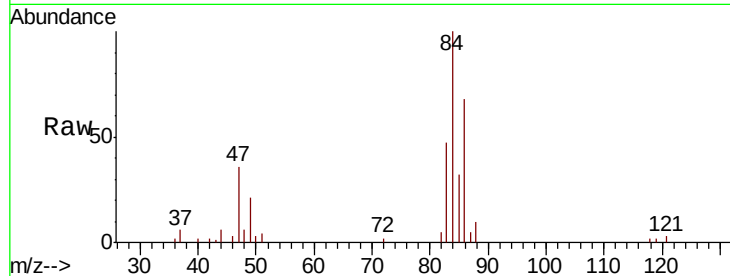




#25
Chloroform
Concen: 0.439 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU035130.D
Acq: 12 Oct 2019 08:32

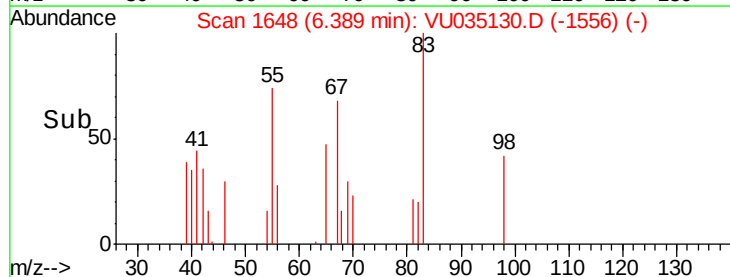
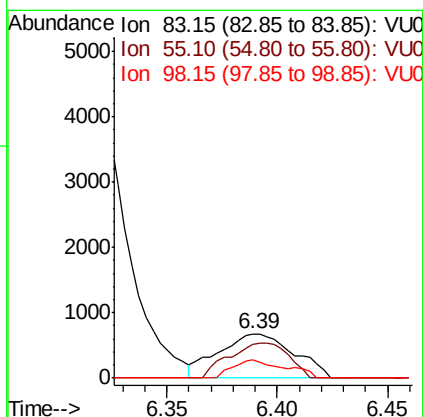
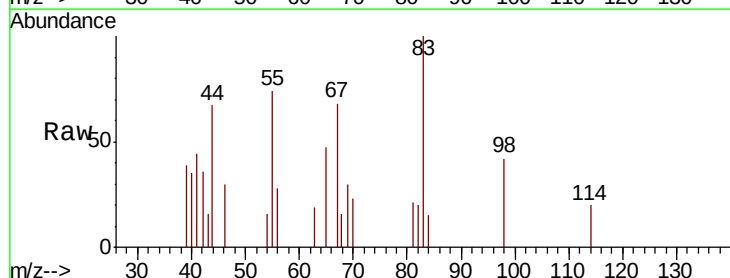
Instrument :
MSVOA_U
ClientSampleId :

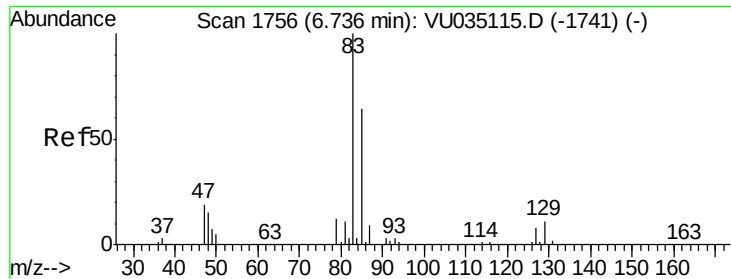
Tot Ion: 83 Resp: 9644
Ion Ratio Lower Upper
83 100
85 68.6 45.4 84.4



#35
Methylcyclohexane
Concen: 0.085 ug/L
RT: 6.39 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU035130.D
Acq: 12 Oct 2019 08:32

Tgt Ion: 83 Resp: 1604
Ion Ratio Lower Upper
83 100
55 62.2 62.6 94.0#
98 28.7 36.2 54.2#





#38

Bromodichloromethane

Concen: 0.082 ug/L

RT: 6.74 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VU035130.D

Acq: 12 Oct 2019 08:32

Instrument :

MSVOA_U

ClientSampleId :

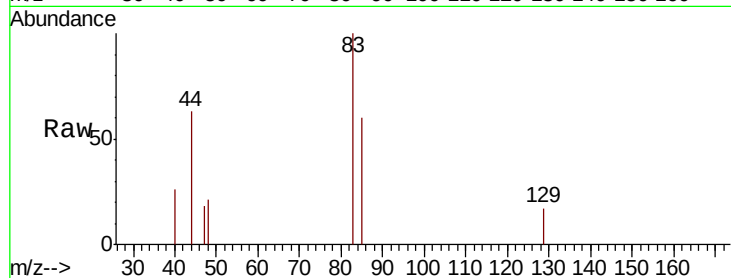
Tot Ion: 83 Resp: 1167

Ion Ratio Lower Upper

83 100

85 60.3 44.0 81.8

127 0.0 7.0 10.4#



Abundance Ion 82.95 (82.65 to 83.65): VU035115.D (-1741) (-)

Ion 85.00 (84.70 to 85.70): VU035115.D (-1741) (-)

Ion 126.90 (126.60 to 127.60): VU035115.D (-1741) (-)

6.74

800

600

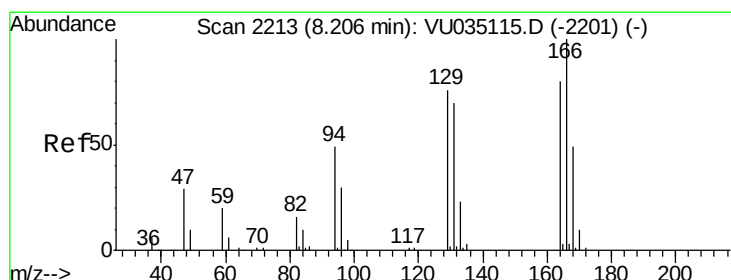
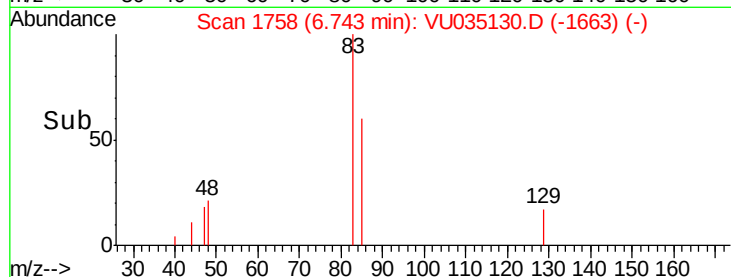
400

200

0

6.70 6.75

Time-->



#47

Tetrachloroethene

Concen: 0.202 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VU035130.D

Acq: 12 Oct 2019 08:32

Tgt Ion:164 Resp: 1912

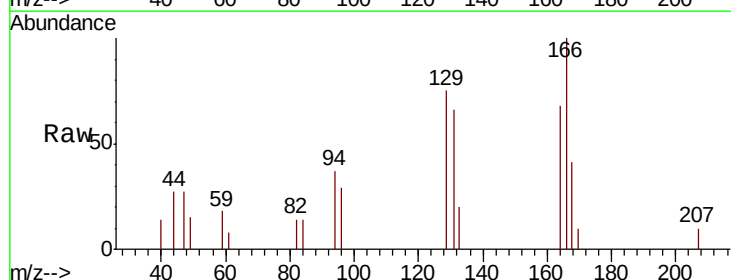
Ion Ratio Lower Upper

164 100

129 110.2 68.5 127.1

131 96.9 67.3 124.9

166 146.4 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035115.D (-2201) (-)

Ion 128.95 (128.65 to 129.65): VU035115.D (-2201) (-)

Ion 130.95 (130.65 to 131.65): VU035115.D (-2201) (-)

Ion 165.90 (165.60 to 166.60): VU035115.D (-2201) (-)

8.21

2000

1500

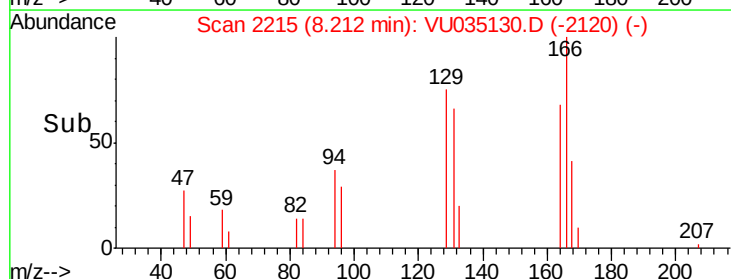
1000

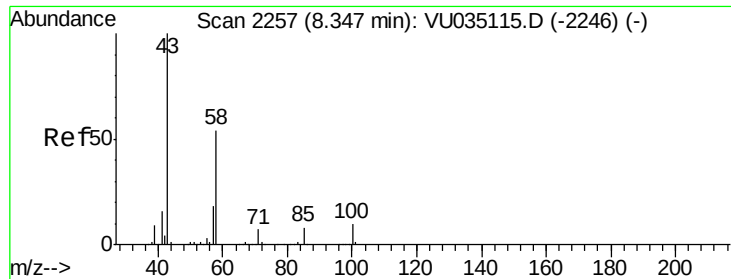
500

0

8.15 8.20 8.25

Time-->

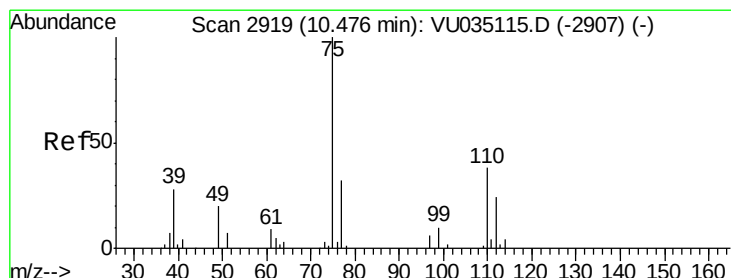
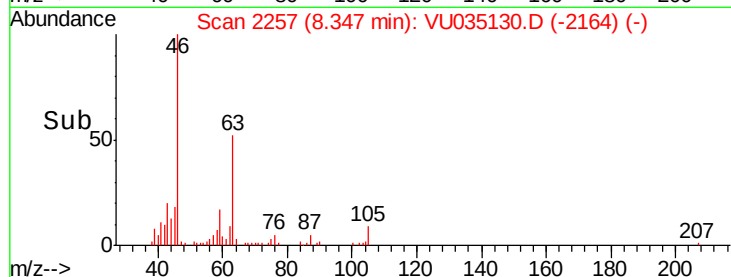
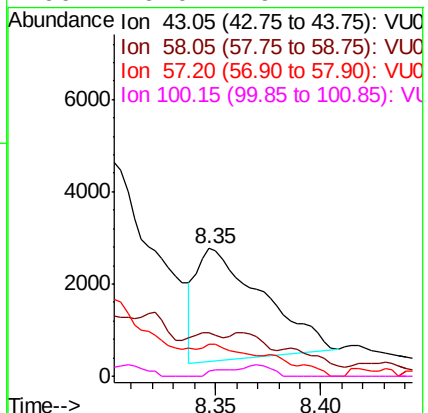
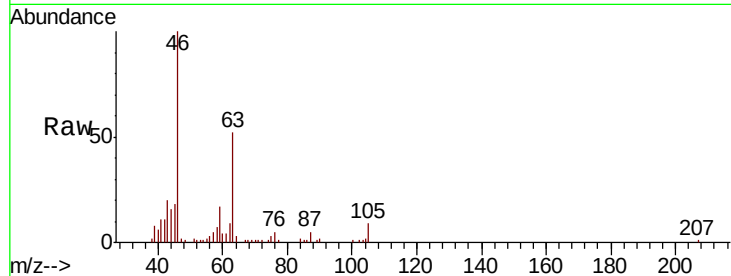




#48
2-Hexanone
Concen: 1.000 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU035130.D
Acq: 12 Oct 2019 08:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 5269
Ion Ratio Lower Upper
43 100
58 3.3 44.1 66.1#
57 29.8 15.8 23.8#
100 0.0 9.4 14.2#



#59
1,2,3-Trichloropropane
Concen: 1.030 ug/L
RT: 11.47 min Scan# 3228
Delta R.T. 0.99 min
Lab File: VU035130.D
Acq: 12 Oct 2019 08:32

Tgt Ion: 75 Resp: 8137
Ion Ratio Lower Upper
75 100
77 32.0 26.5 39.7

