

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035117.D
 Acq On : 12 Oct 2019 03:16
 Operator : JC/SP
 Sample : K5309-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:18:48 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	168191	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	179236	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	68273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51571	5.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	1.68	69	48568	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.26	63	75416	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.17	46	149525	51.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.14%
24) Chloroform-d	4.62	84	90483	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.29	65	58125	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.32	84	190398	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.31	67	65968	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.55	98	165690	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.84	79	19302	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.30	63	111058	46.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.36%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56982	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	58132	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.31	43	19645	8.192	ug/L	90
14) Carbon disulfide	2.47	76	7444	0.207	ug/L #	92
15) Methyl Acetate	2.61	43	1076	0.169	ug/L #	82
16) Methylene chloride	2.68	84	1862	0.139	ug/L	90
18) trans-1,2-Dichloroethene	2.97	96	797	0.069	ug/L	94
21) 2-Butanone	4.38	43	20180	5.909	ug/L #	48
22) cis-1,2-Dichloroethene	4.20	96	1939	0.150	ug/L	96
25) Chloroform	4.65	83	10120	0.392	ug/L	88
34) Trichloroethene	6.17	95	5273	0.379	ug/L	95
35) Methylcyclohexane	6.31	83	14991	0.665	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7920	0.544	ug/L #	88
42) Toluene	7.62	91	27044	0.480	ug/L	100
45) 1,1,2-Trichloroethane	8.20	97	1340	0.139	ug/L #	1
47) Tetrachloroethene	8.21	164	151183	13.414	ug/L	96
48) 2-Hexanone	8.35	43	6816	1.085	ug/L #	51
49) Dibromochloromethane	8.21	129	145467	13.015	ug/L #	13
59) 1,2,3-Trichloropropane	11.47	75	9223	0.978	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 01:16:14 2019
Response via : Initial Calibration

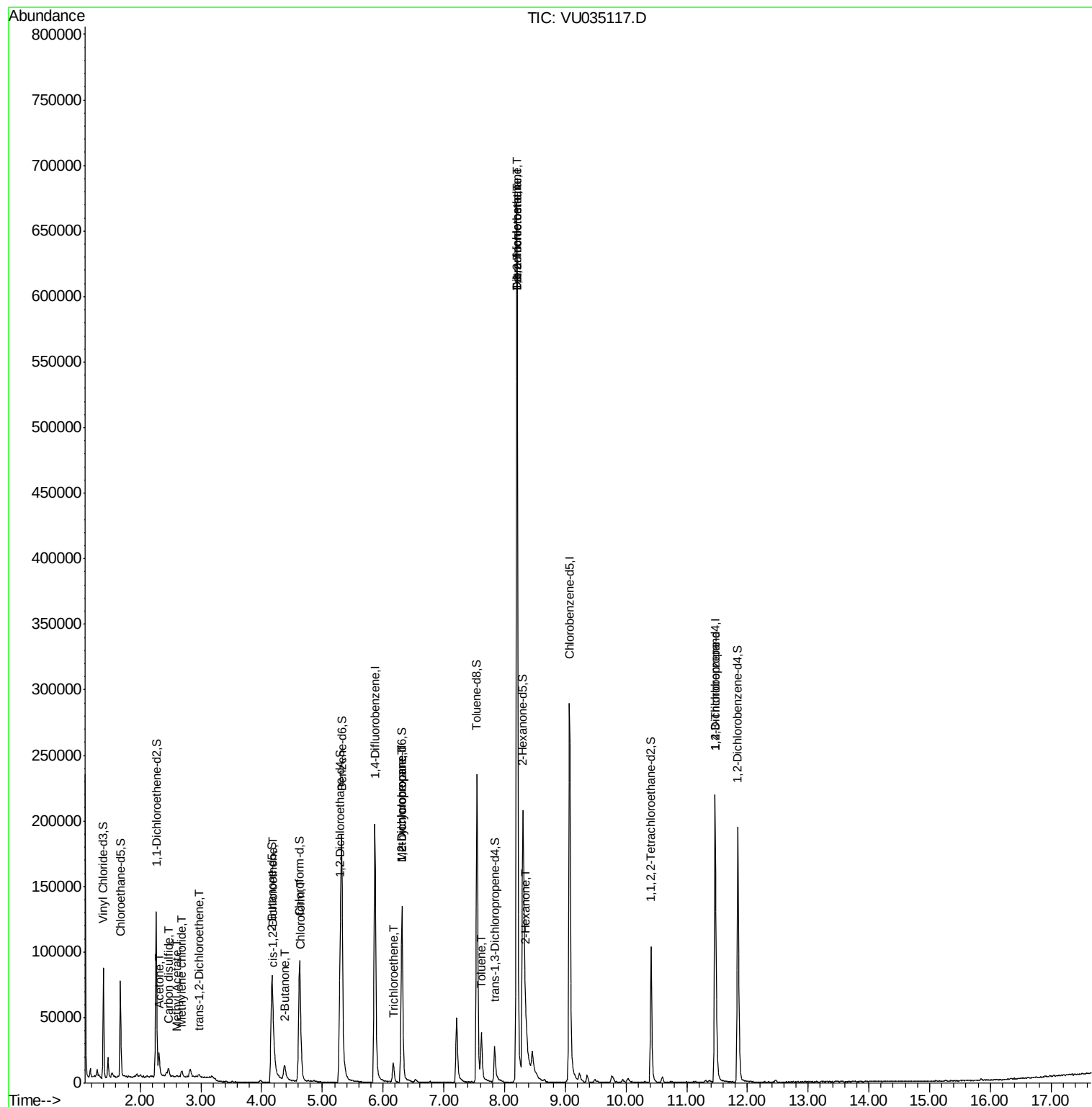
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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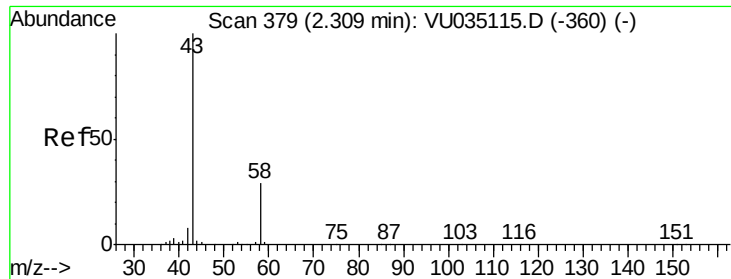
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101219\
Data File : VU035117.D
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QLast Update : Mon Oct 14 01:16:14 2019
Response via : Initial Calibration





#13

Acetone

Concen: 8.192 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

Instrument :

MSVOA_U

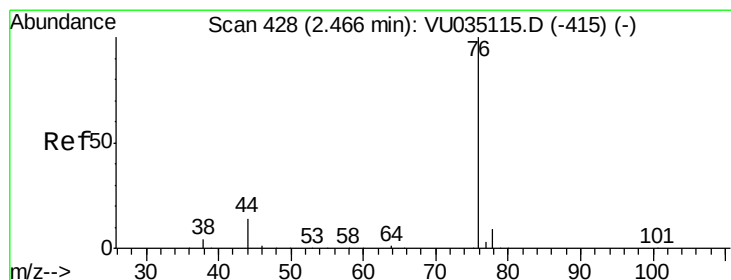
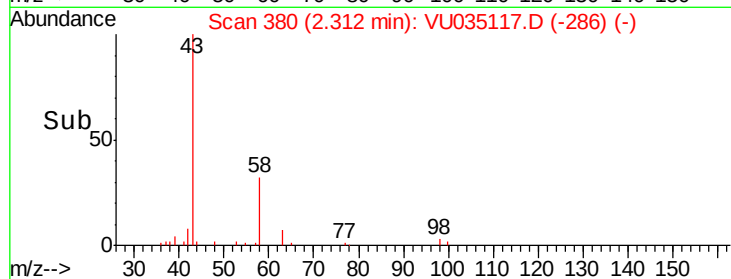
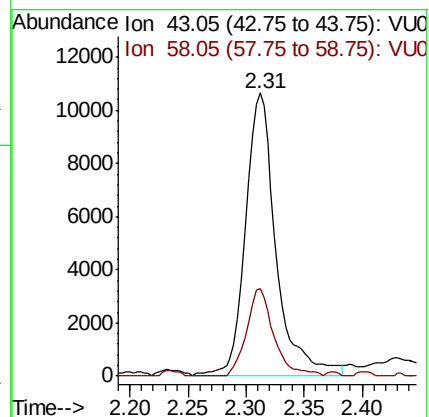
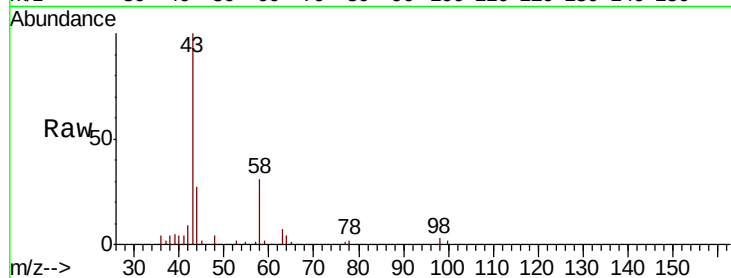
ClientSampleId :

Tot Ion: 43 Resp: 19645

Ion Ratio Lower Upper

43 100

58 27.5 0.0 66.6



#14

Carbon disulfide

Concen: 0.207 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035117.D

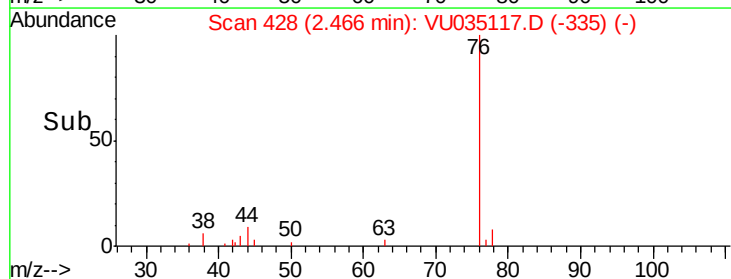
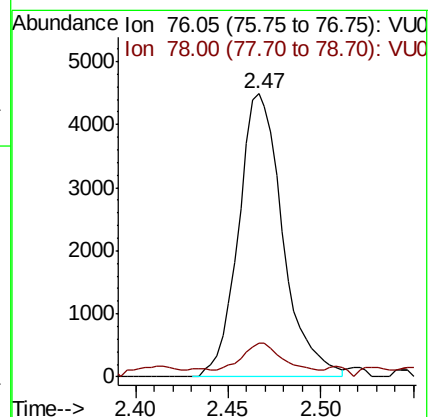
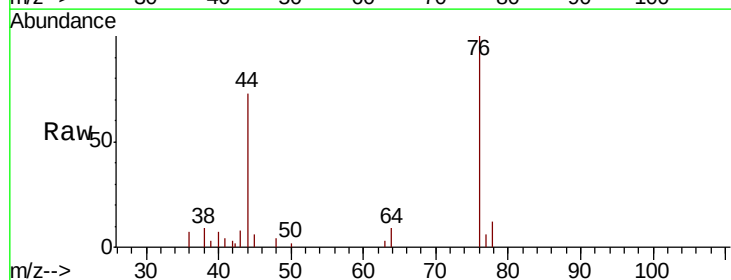
Acq: 12 Oct 2019 03:16

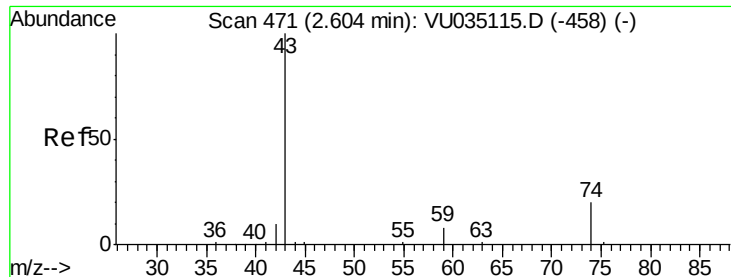
Tgt Ion: 76 Resp: 7444

Ion Ratio Lower Upper

76 100

78 11.9 7.1 10.7#





#15

Methyl Acetate

Concen: 0.169 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

Instrument :

MSVOA_U

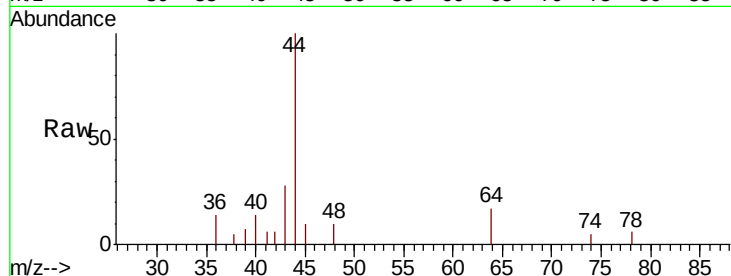
ClientSampled :

Tot Ion: 43 Resp: 1076

Ion Ratio Lower Upper

43 100

74 13.8 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU035117.D (-458) (-)

Ion 74.05 (73.75 to 74.75): VU035117.D (-458) (-)

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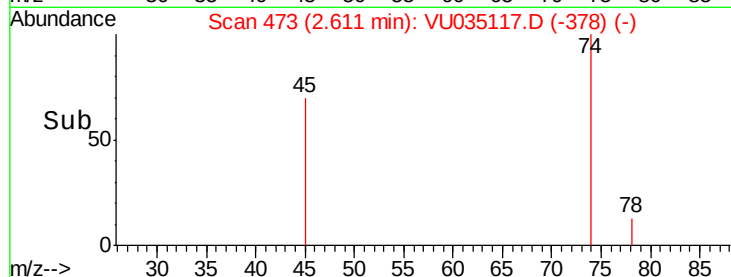
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#16

Methylene chloride

Concen: 0.139 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

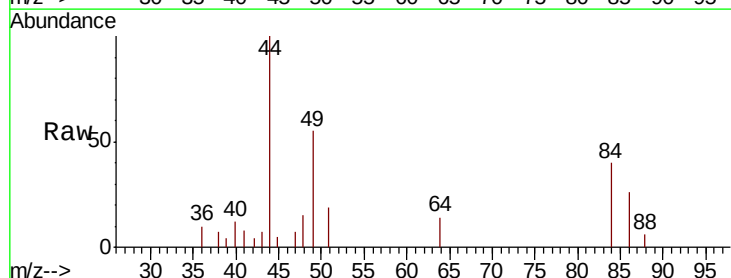
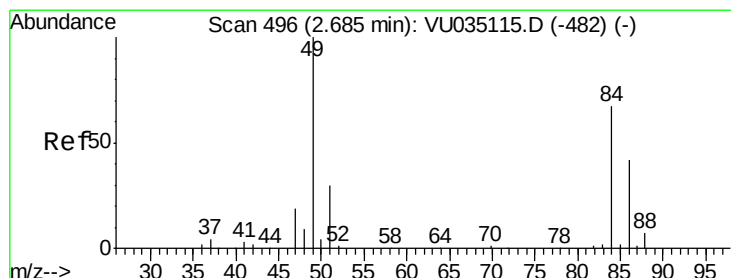
Tgt Ion: 84 Resp: 1862

Ion Ratio Lower Upper

84 100

86 64.1 42.5 78.9

49 137.7 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU035117.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU035117.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU035117.D (-482) (-)

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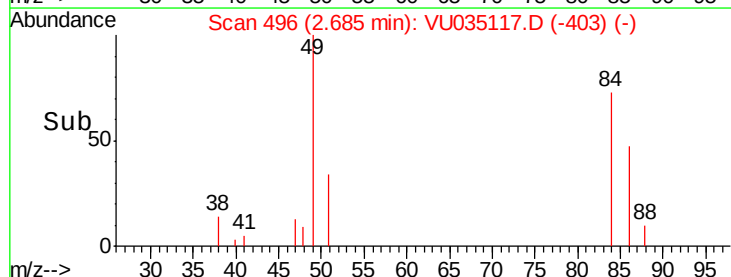
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#16

Methylene chloride

Concen: 0.139 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

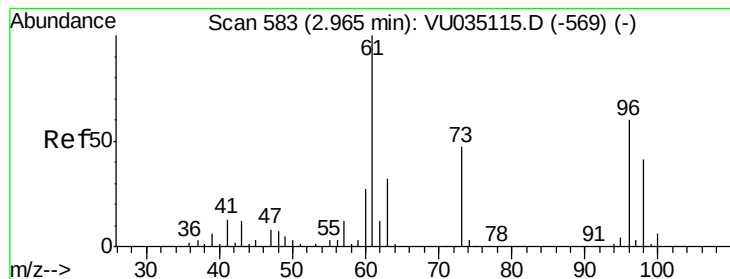
Tgt Ion: 84 Resp: 1862

Ion Ratio Lower Upper

84 100

86 64.1 42.5 78.9

49 137.7 86.9 161.3



#18

trans-1,2-Dichloroethene

Concen: 0.069 ug/L

RT: 2.97 min Scan# 585

Delta R.T. 0.01 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

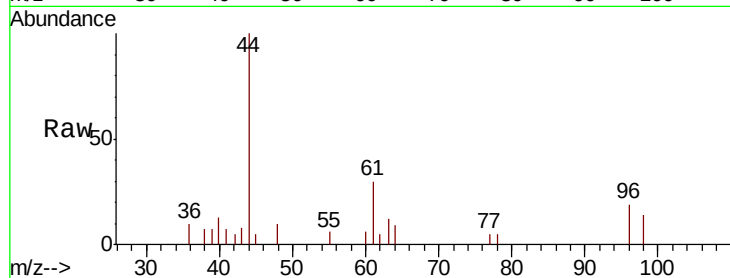
Tot Ion: 96 Resp: 797

Ion Ratio Lower Upper

96 100

61 159.1 107.1 198.9

98 72.6 45.4 84.4

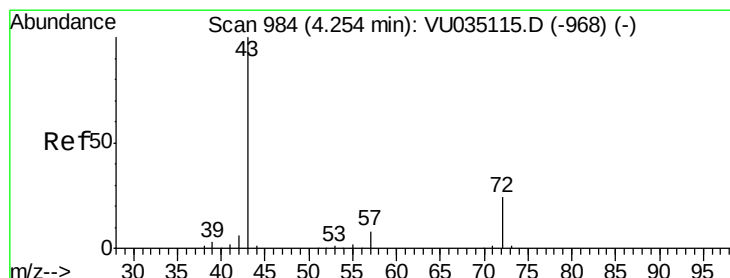
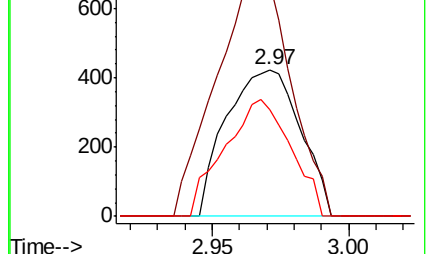
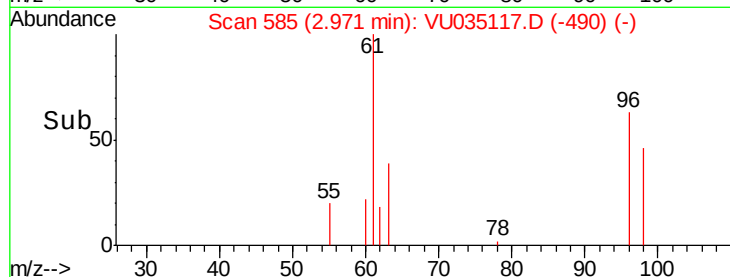


Abundance Ion 96.00 (95.70 to 96.70): VU035117.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU035117.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU035117.D (-490) (-)

Time-->



#21

2-Butanone

Concen: 5.909 ug/L

RT: 4.38 min Scan# 1022

Delta R.T. 0.12 min

Lab File: VU035117.D

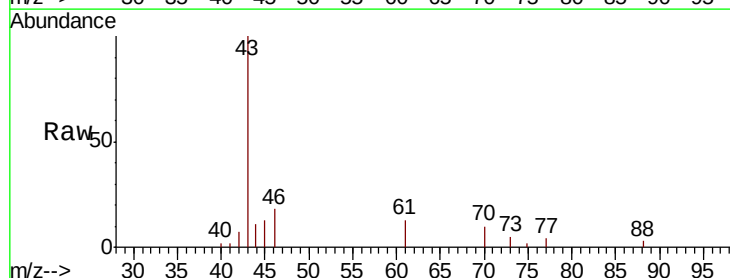
Acq: 12 Oct 2019 03:16

Tgt Ion: 43 Resp: 20180

Ion Ratio Lower Upper

43 100

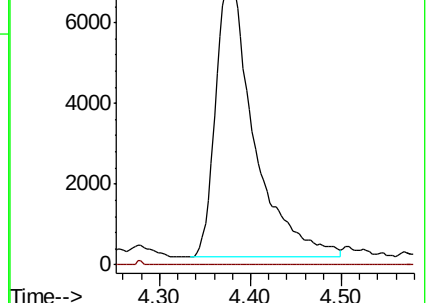
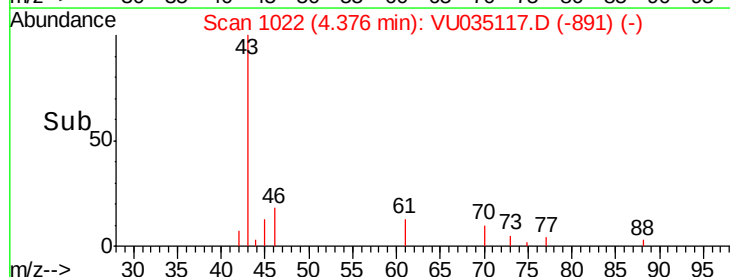
72 0.2 13.5 40.4#

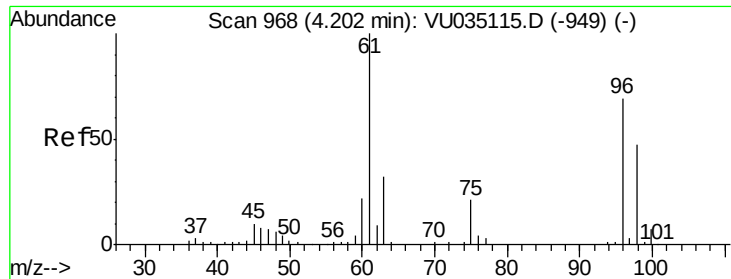


Abundance Ion 43.05 (42.75 to 43.75): VU035117.D (-891) (-)

Ion 72.10 (71.80 to 72.80): VU035117.D (-891) (-)

Time-->



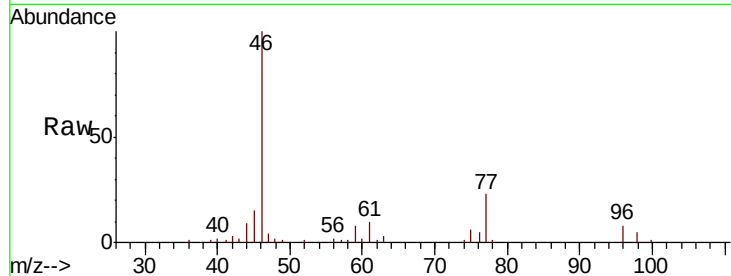


#22

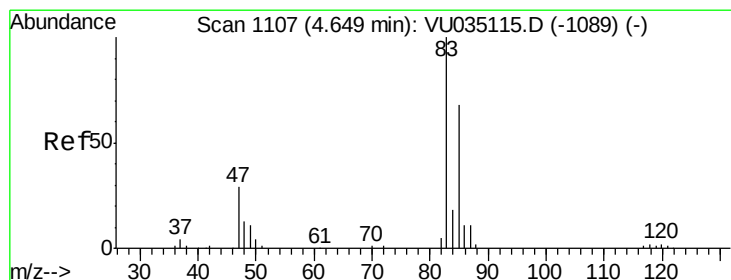
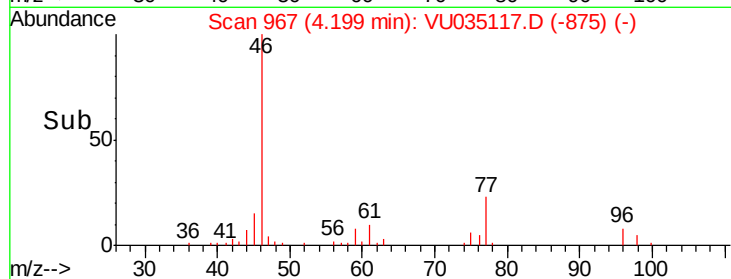
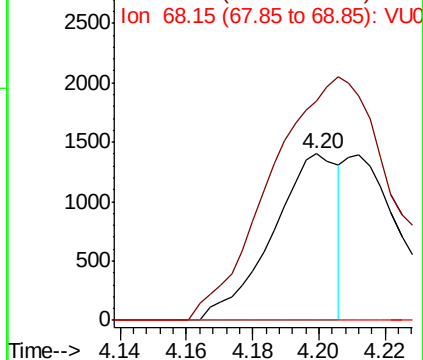
cis-1,2-Dichloroethene
 Concen: 0.150 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU035117.D
 Acq: 12 Oct 2019 03:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 1939
 Ion Ratio Lower Upper
 96 100
 61 131.5 89.2 165.6
 68 0.0 0.0 0.0



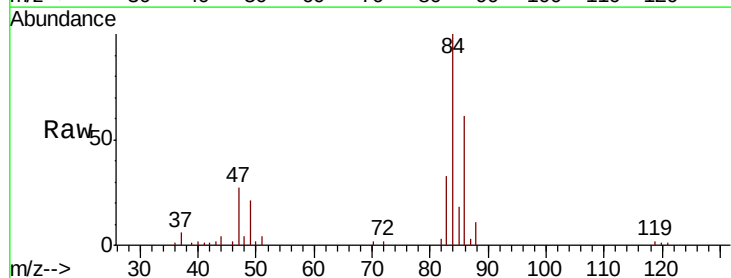
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



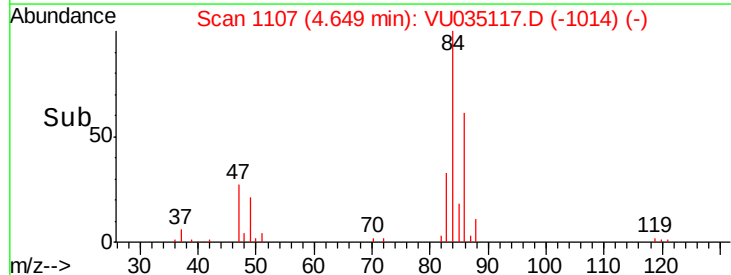
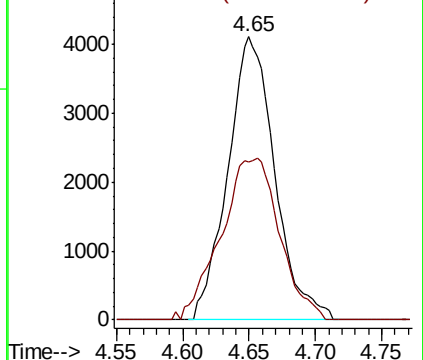
#25

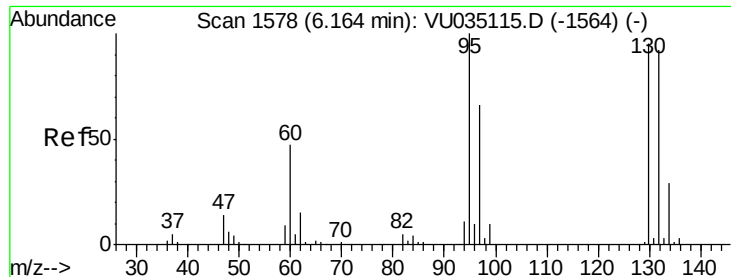
Chloroform
 Concen: 0.392 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU035117.D
 Acq: 12 Oct 2019 03:16

Tgt Ion: 83 Resp: 10120
 Ion Ratio Lower Upper
 83 100
 85 55.6 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 0.379 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 5273

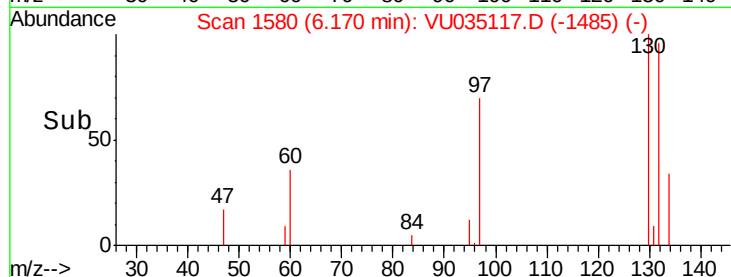
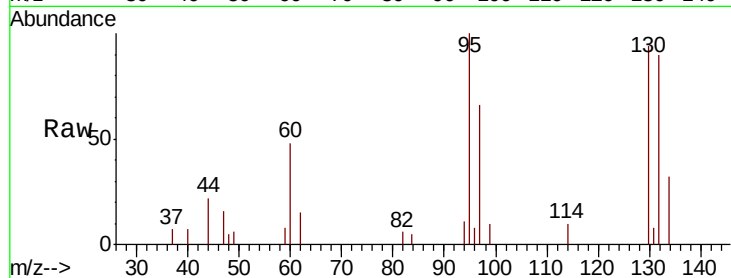
Ion Ratio Lower Upper

95 100

97 65.8 44.5 82.7

132 89.8 66.6 123.8

130 93.8 68.9 127.9



Abundance Ion 95.00 (94.70 to 95.70): VU035117.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU035117.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU035117.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU035117.D (-1485) (-)

Time-->

6.10 6.15 6.20 6.25

6.17

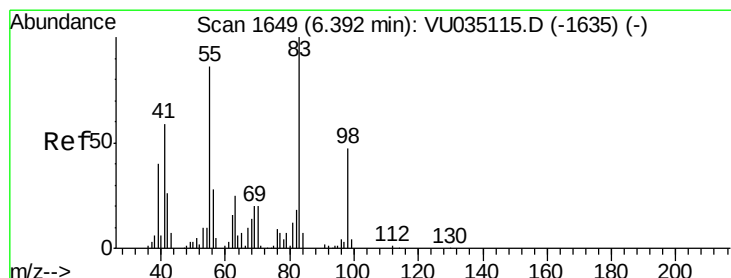
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#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

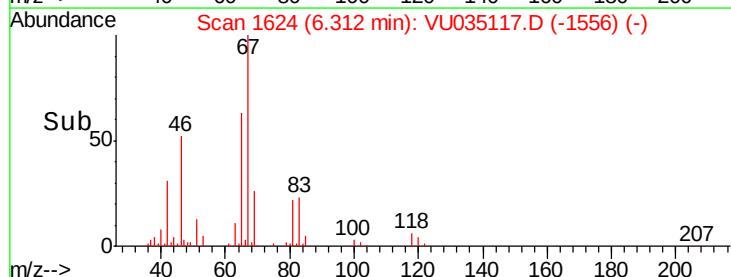
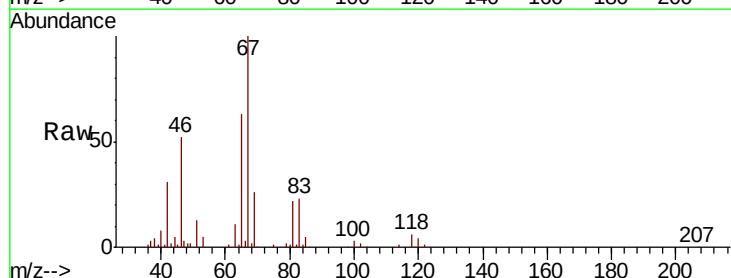
Tgt Ion: 83 Resp: 14991

Ion Ratio Lower Upper

83 100

55 0.1 62.6 94.0#

98 1.0 36.2 54.2#



Abundance Ion 83.15 (82.85 to 83.85): VU035117.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU035117.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU035117.D (-1556) (-)

Time-->

6.25 6.30 6.35 6.40

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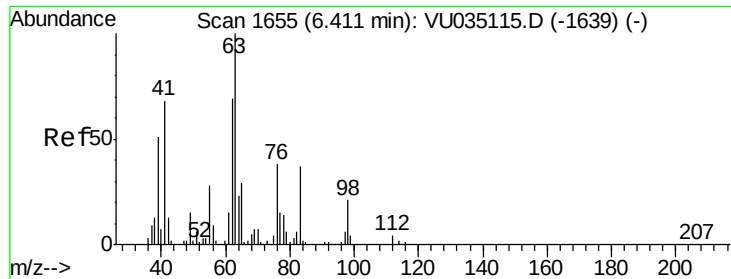
6.31

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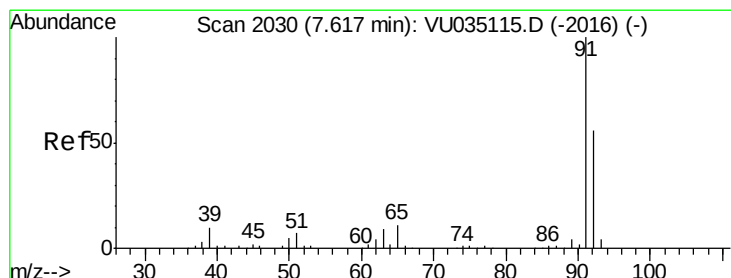
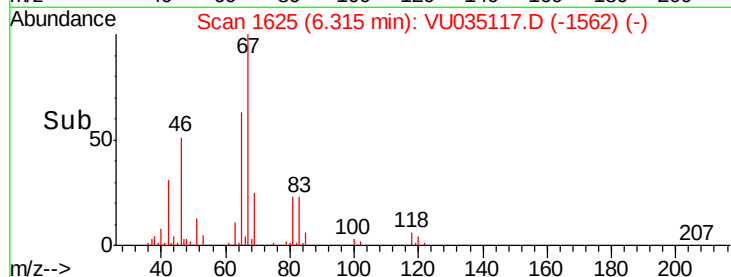
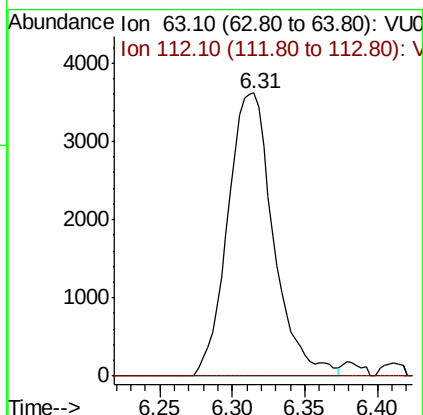
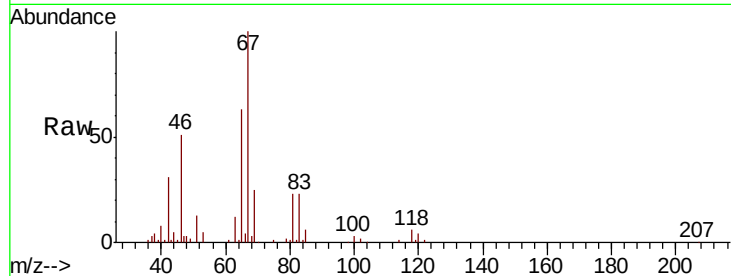
6.31



#37
 1,2-Dichloropropane
 Concen: 0.544 ug/L
 RT: 6.31 min Scan# 1625
 Delta R.T. -0.10 min
 Lab File: VU035117.D
 Acq: 12 Oct 2019 03:16

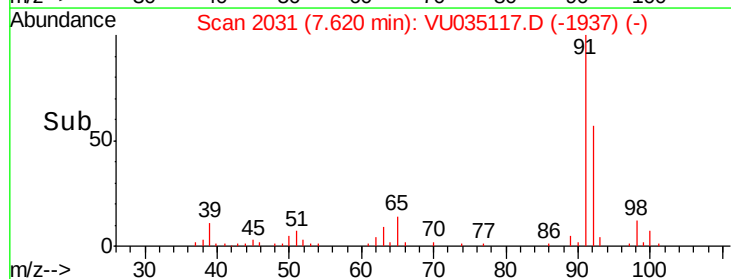
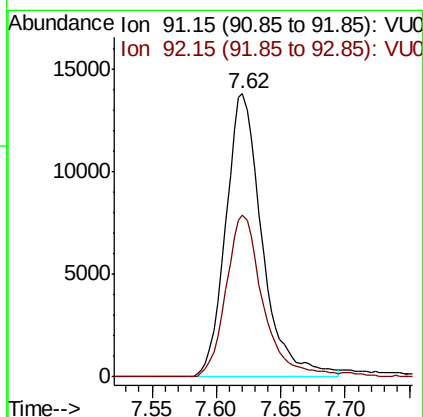
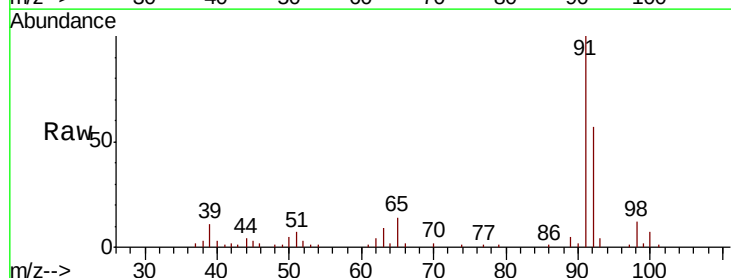
Instrument :
 MSVOA_U
 ClientSampleId :

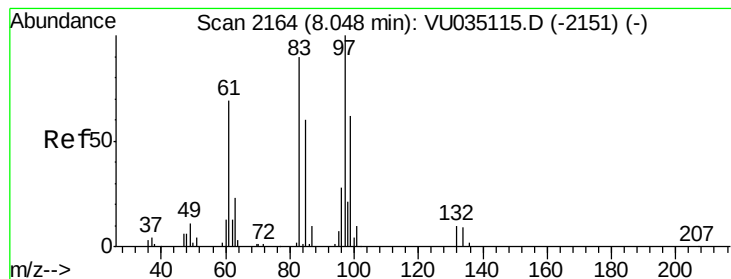
Tot Ion: 63 Resp: 7920
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 0.480 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VU035117.D
 Acq: 12 Oct 2019 03:16

Tgt Ion: 91 Resp: 27044
 Ion Ratio Lower Upper
 91 100
 92 57.1 40.0 74.2





#45

1,1,2-Trichloroethane

Concen: 0.139 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. 0.15 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 1340

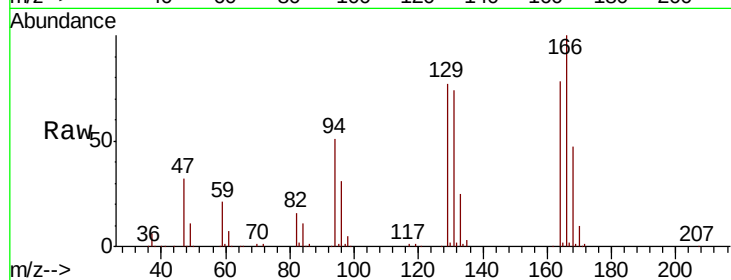
Ion Ratio Lower Upper

97 100

99 12.6 42.3 78.5#

83 266.1 58.0 107.6#

85 33.4 37.8 70.2#

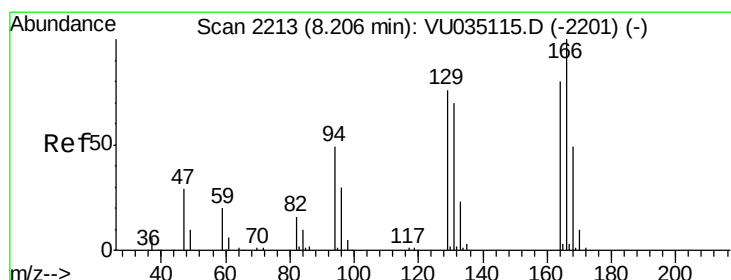
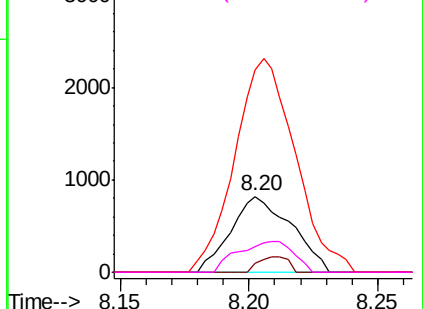
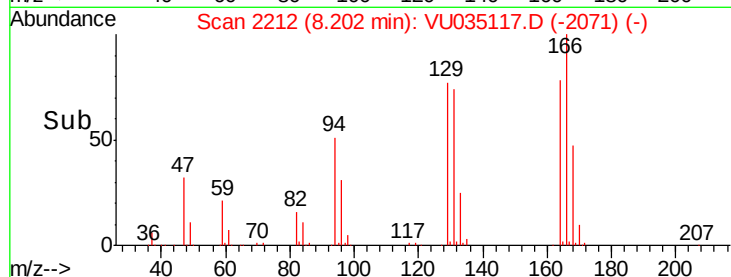


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 13.414 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

Tgt Ion:164 Resp: 151183

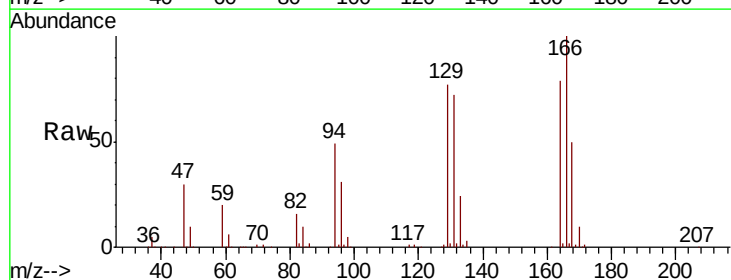
Ion Ratio Lower Upper

164 100

129 97.6 68.5 127.1

131 90.2 67.3 124.9

166 126.1 93.1 172.9

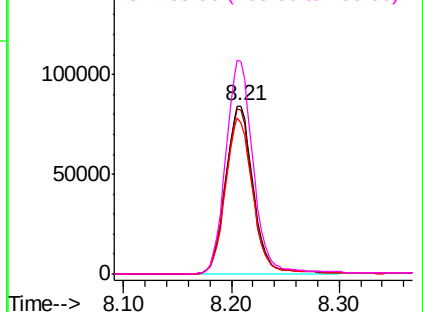
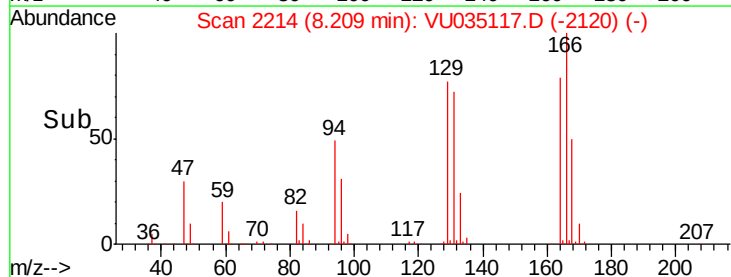


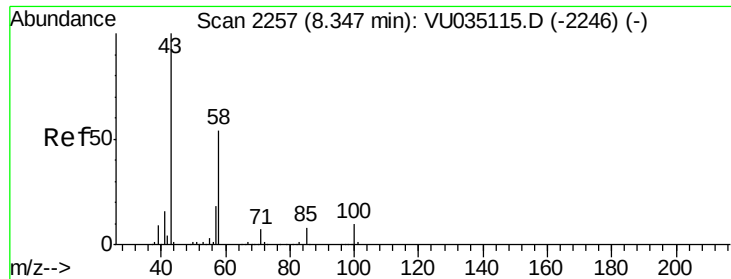
Abundance Ion 163.90 (163.60 to 164.60): V

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

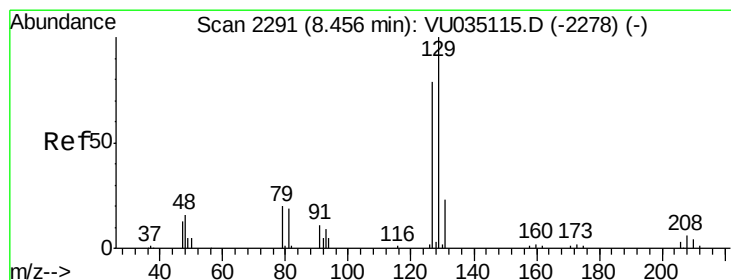
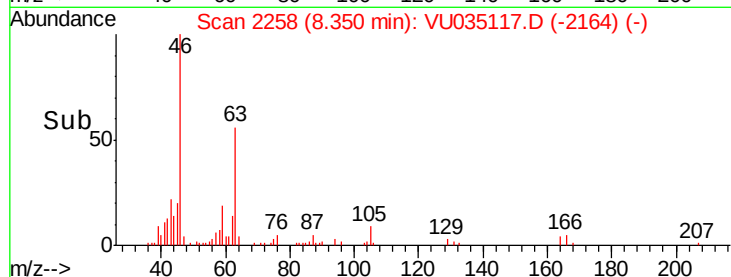
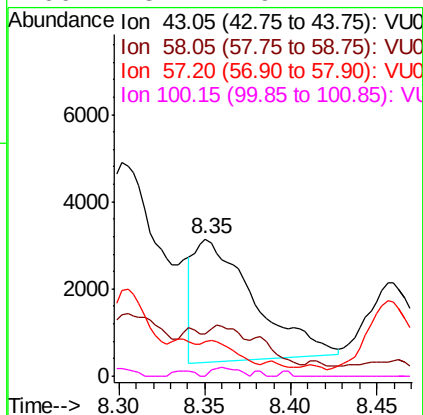
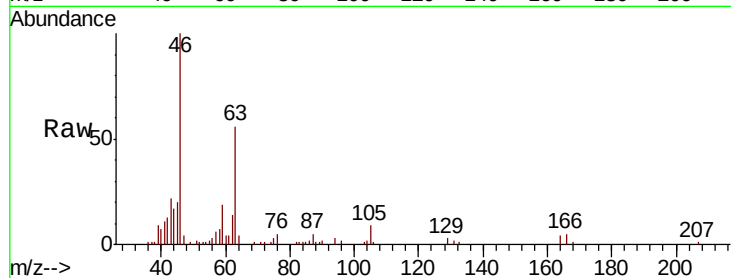




#48
2-Hexanone
Concen: 1.085 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.00 min
Lab File: VU035117.D
Acq: 12 Oct 2019 03:16

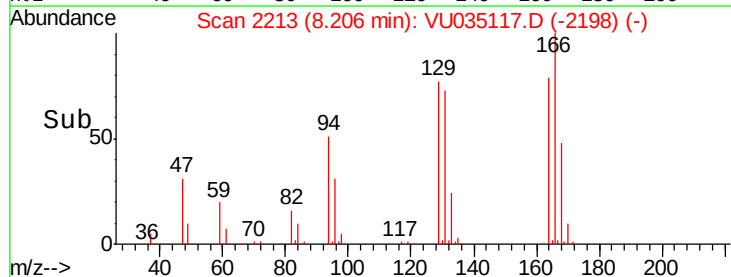
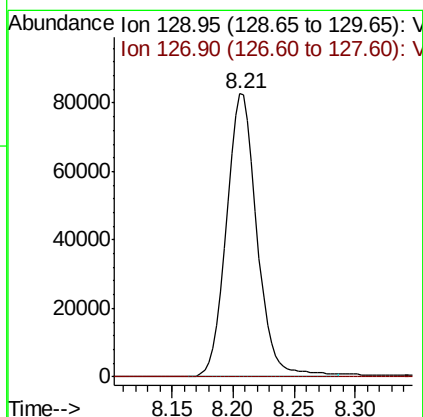
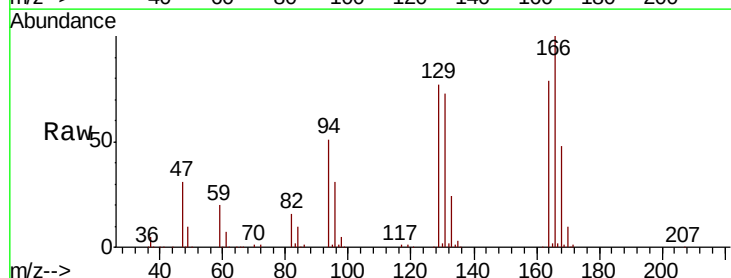
Instrument :
MSVOA_U
ClientSampleId :

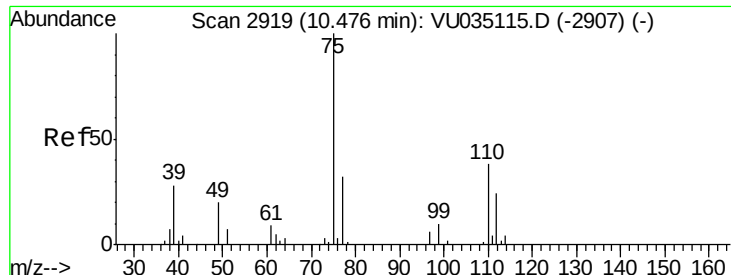
Tot Ion: 43 Resp: 6816
Ion Ratio Lower Upper
43 100
58 6.9 44.1 66.1#
57 13.4 15.8 23.8#
100 3.1 9.4 14.2#



#49
Dibromochloromethane
Concen: 13.015 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU035117.D
Acq: 12 Oct 2019 03:16

Tgt Ion: 129 Resp: 145467
Ion Ratio Lower Upper
129 100
127 0.2 51.9 96.5#





#59

1,2,3-Trichloropropane

Concen: 0.978 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU035117.D

Acq: 12 Oct 2019 03:16

Instrument :

MSVOA_U

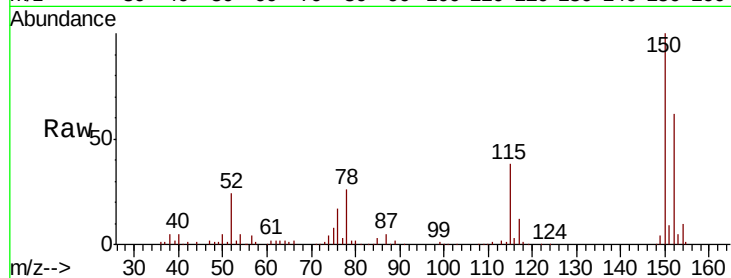
ClientSampleId :

Tot Ion: 75 Resp: 9223

Ion Ratio Lower Upper

75 100

77 34.9 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

