

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120419\
 Data File : VU035971.D
 Acq On : 04 Dec 2019 14:55
 Operator : JC/SP
 Sample : K6105-04DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE24DL

Quant Time: Dec 05 04:53:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 05 03:54:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	297601	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	320402	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	104768	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	146191	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.93	69	122324	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	170156	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.70	46	282051	46.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.90%
24) Chloroform-d	5.11	84	220138	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.75	65	115850	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.77	84	423321	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.73	67	137533	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.93	98	348275	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.21	79	51872	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.68	63	211537	43.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.68%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	115214	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	110829	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

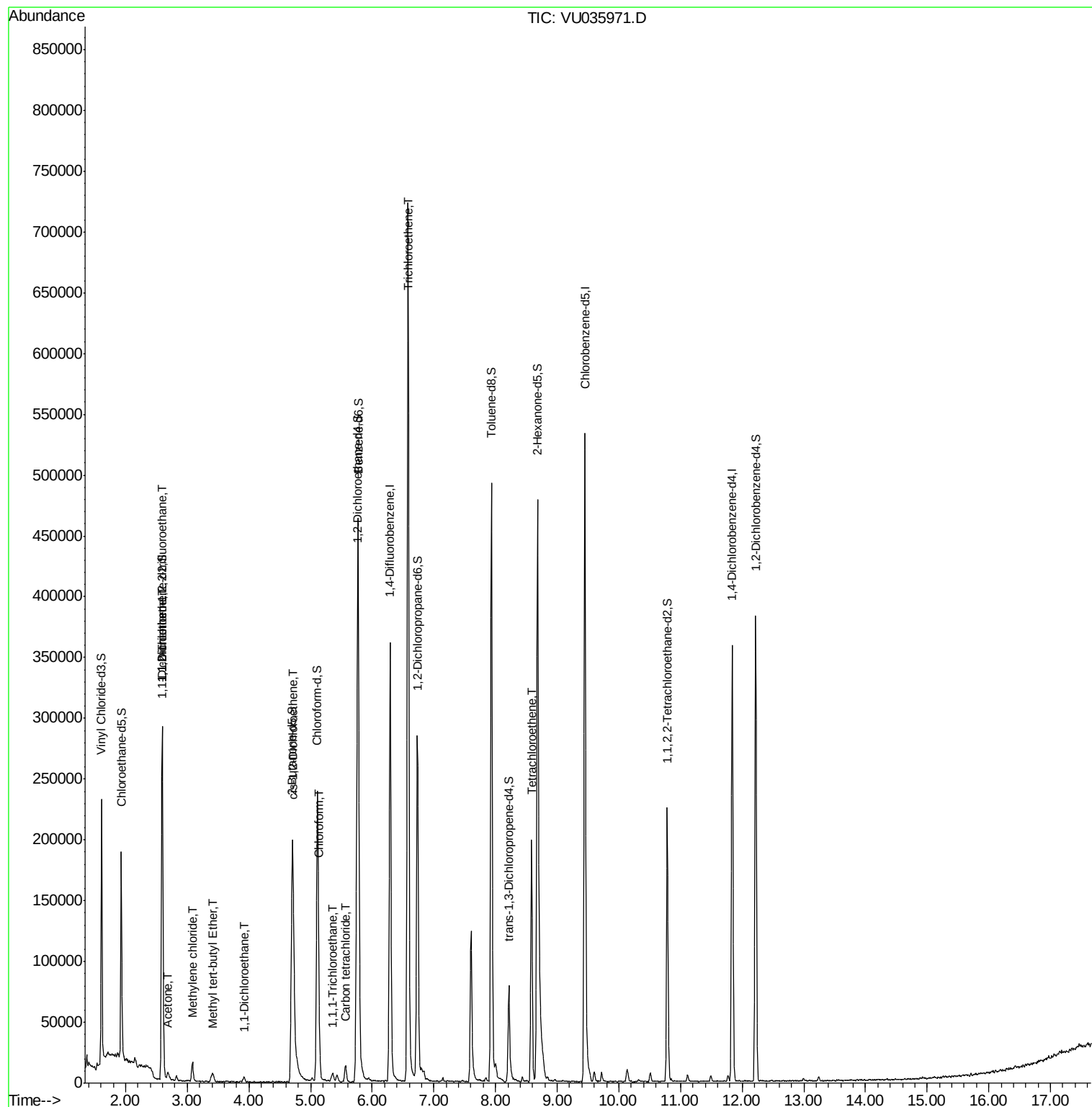
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4094	0.179	ug/L #	66
12) 1,1-Dichloroethene	2.61	96	13232	0.620	ug/L #	1
13) Acetone	2.68	43	9808	1.806	ug/L	99
16) Methylene chloride	3.08	84	7723	0.234	ug/L	96
17) Methyl tert-butyl Ether	3.41	73	5625	0.113	ug/L	92
19) 1,1-Dichloroethane	3.92	63	4990	0.113	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	40529	1.699	ug/L	94
25) Chloroform	5.14	83	21212	0.476	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	4718	0.122	ug/L	94
31) Carbon tetrachloride	5.57	117	9301	0.271	ug/L	94
34) Trichloroethene	6.58	95	252160	9.896	ug/L	97
47) Tetrachloroethene	8.58	164	46780	2.259	ug/L	98

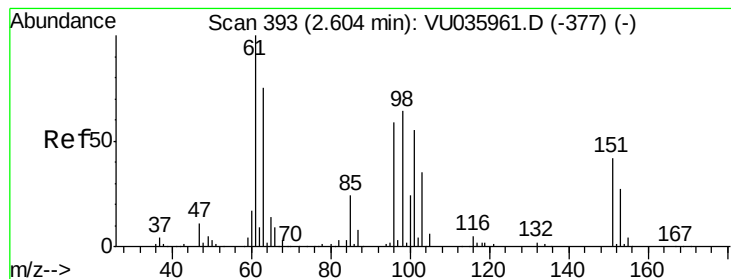
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 05 03:54:31 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.179 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035971.D

Acq: 04 Dec 2019 14:55

Instrument :

MSVOA_U

ClientSampleId :

BFE24DL

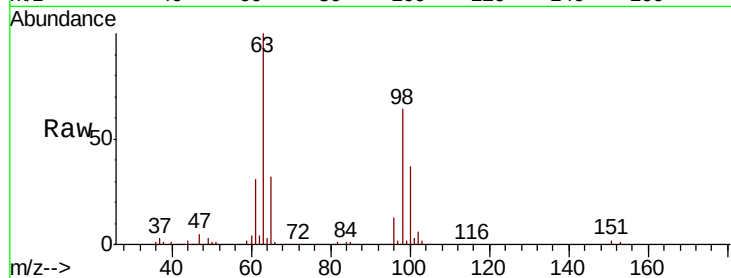
Tot Ion:101 Resp: 4094

Ion Ratio Lower Upper

101 100

85 13.9 35.5 53.3#

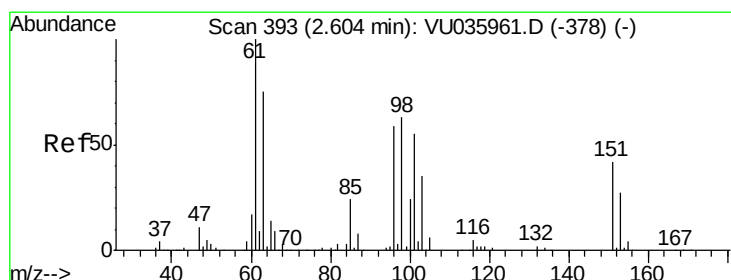
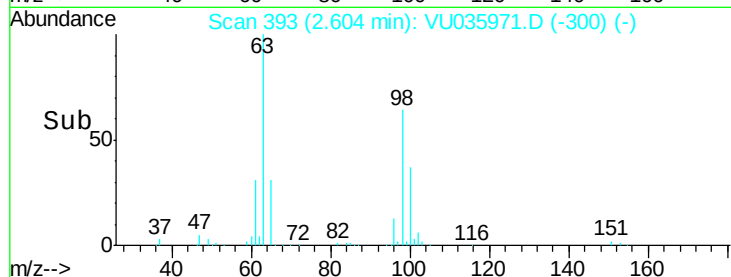
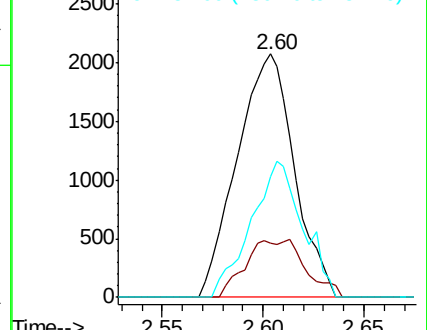
151 50.7 57.5 86.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.620 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035971.D

Acq: 04 Dec 2019 14:55

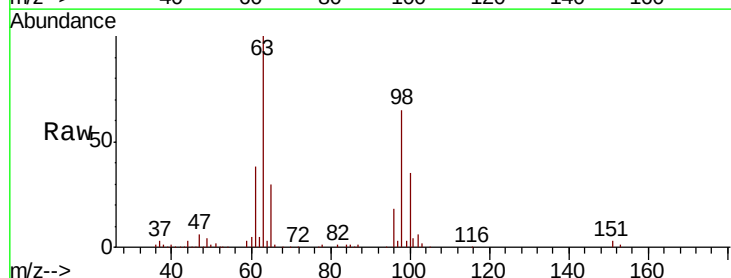
Tgt Ion: 96 Resp: 13232

Ion Ratio Lower Upper

96 100

61 208.6 127.1 236.1

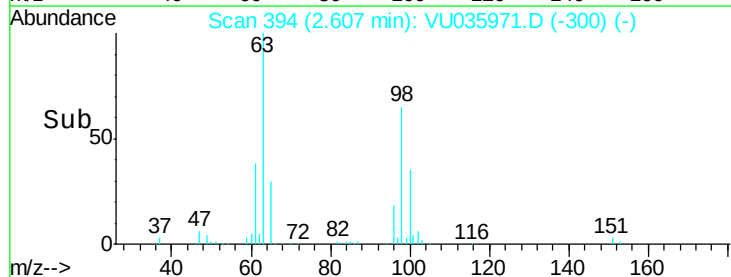
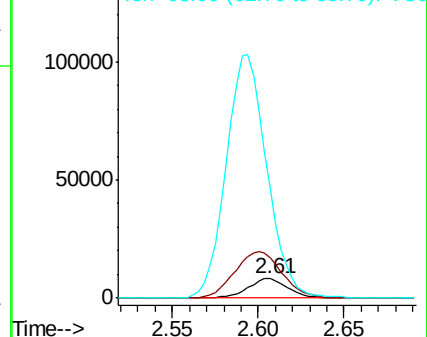
63 552.4 86.0 159.8#

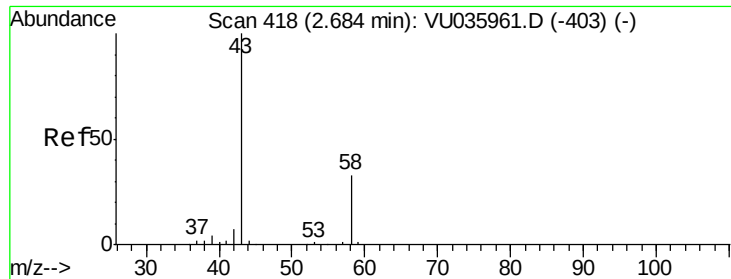


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.806 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.00 min

Lab File: VU035971.D

Acq: 04 Dec 2019 14:55

Instrument :

MSVOA_U

ClientSampleId :

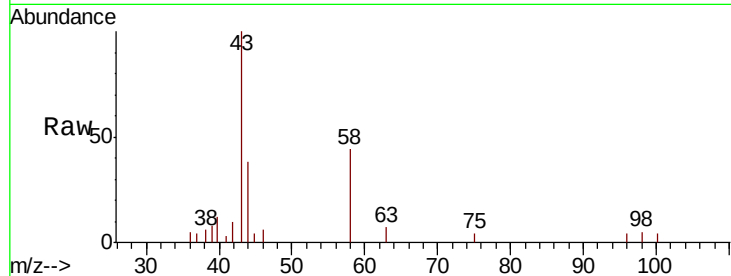
BFE24DL

Tot Ion: 43 Resp: 9808

Ion Ratio Lower Upper

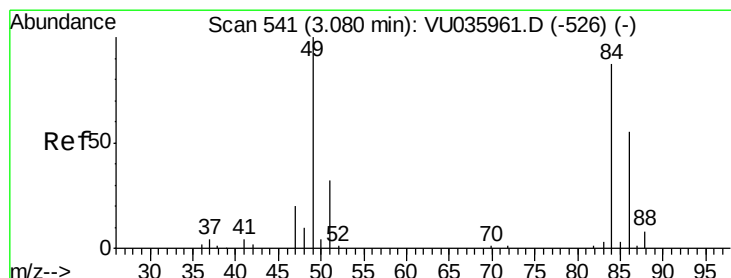
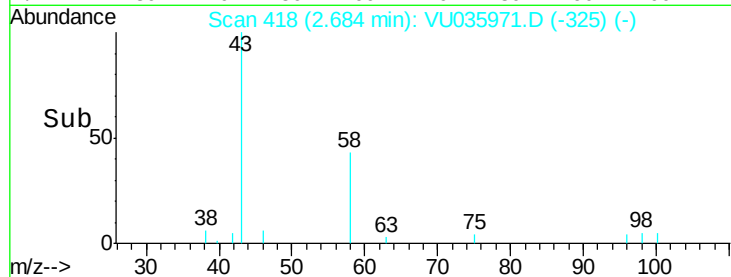
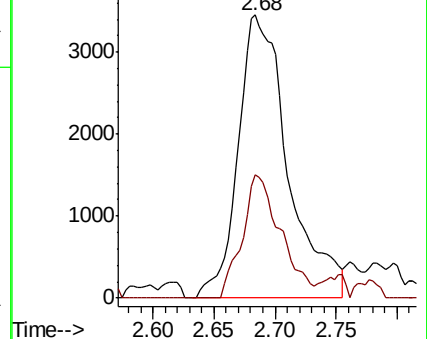
43 100

58 33.5 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035971.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035971.D (-403) (-)



#16

Methylene chloride

Concen: 0.234 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035971.D

Acq: 04 Dec 2019 14:55

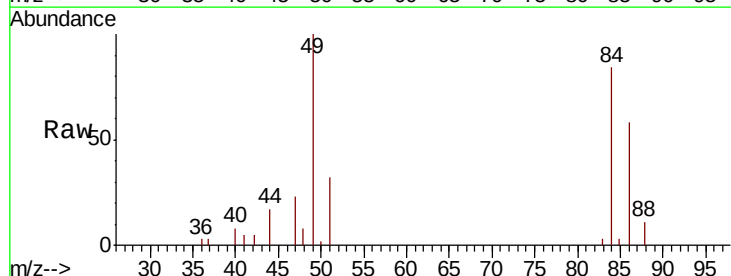
Tgt Ion: 84 Resp: 7723

Ion Ratio Lower Upper

84 100

86 68.5 44.7 82.9

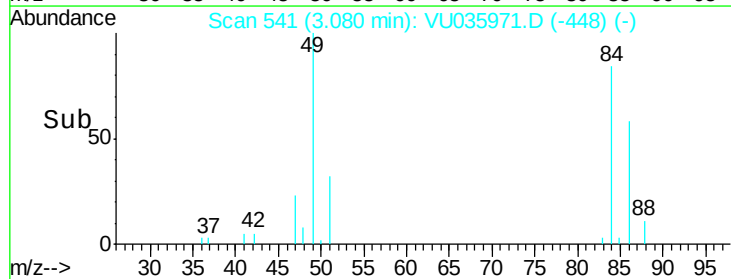
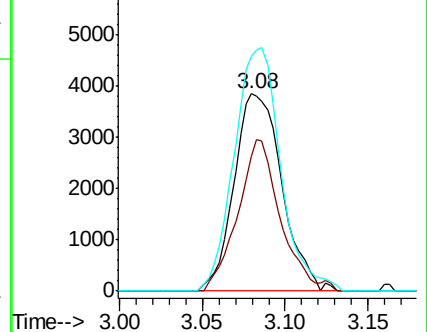
49 119.0 86.2 160.2

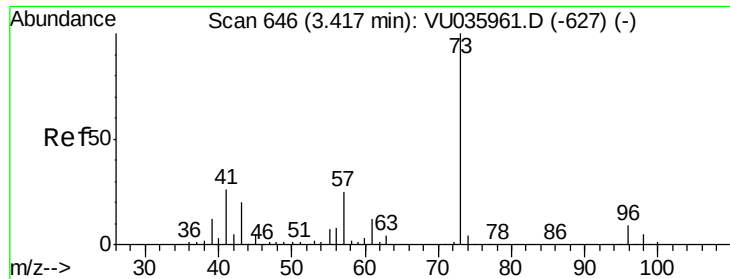


Abundance Ion 84.05 (83.75 to 84.75): VU035971.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035971.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035971.D (-526) (-)

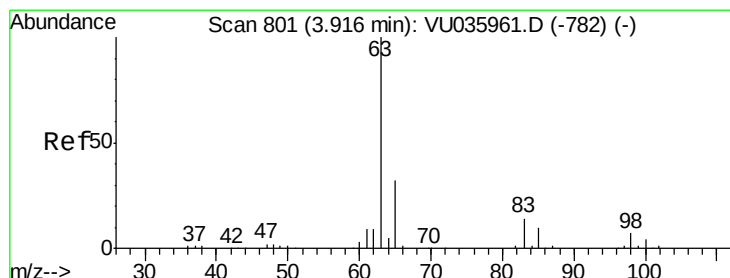
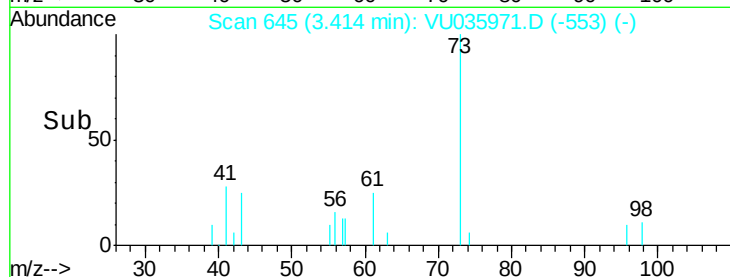
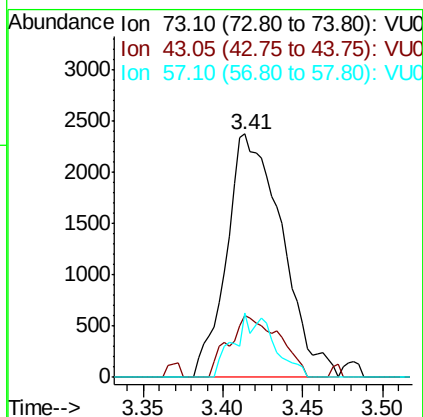
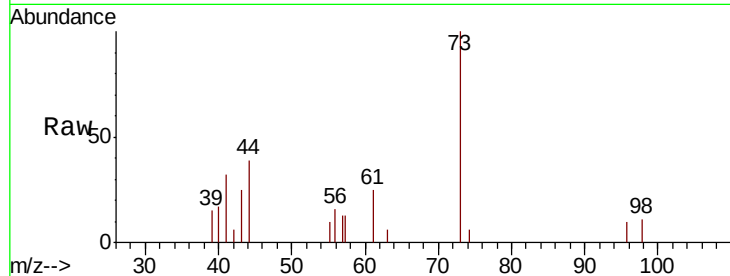




#17
Methyl tert-butyl Ether
Concen: 0.113 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU035971.D
Acq: 04 Dec 2019 14:55

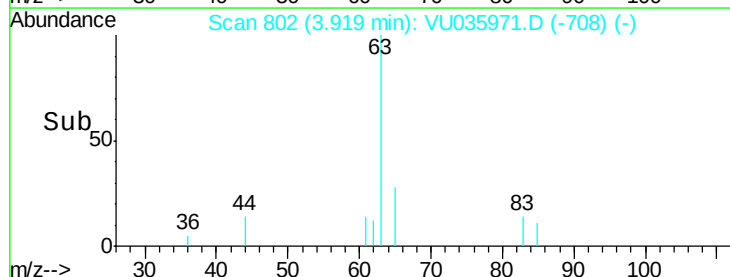
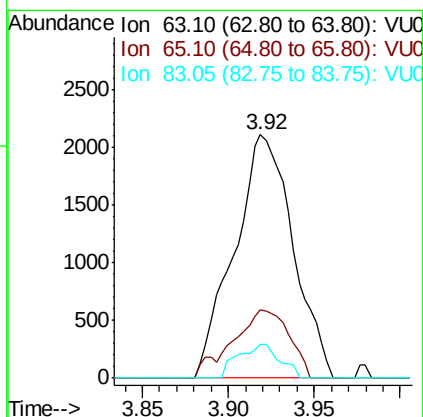
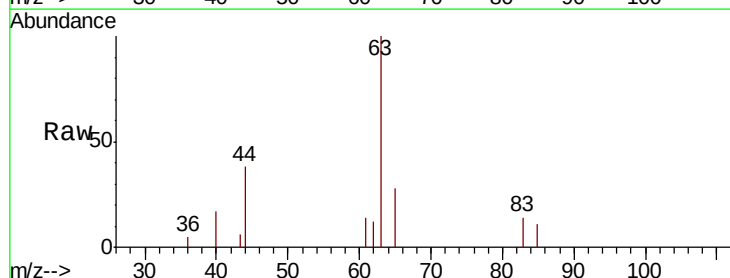
Instrument :
MSVOA_U
ClientSampleId :
BFE24DL

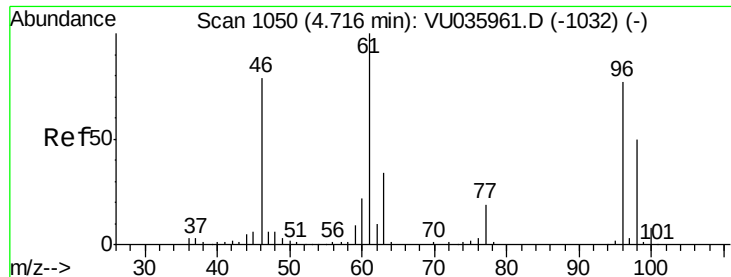
Tot Ion: 73 Resp: 5625
Ion Ratio Lower Upper
73 100
43 23.1 15.9 23.9
57 18.8 18.8 28.2



#19
1,1-Dichloroethane
Concen: 0.113 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU035971.D
Acq: 04 Dec 2019 14:55

Tgt Ion: 63 Resp: 4990
Ion Ratio Lower Upper
63 100
65 27.8 22.4 41.6
83 13.9 9.8 18.2

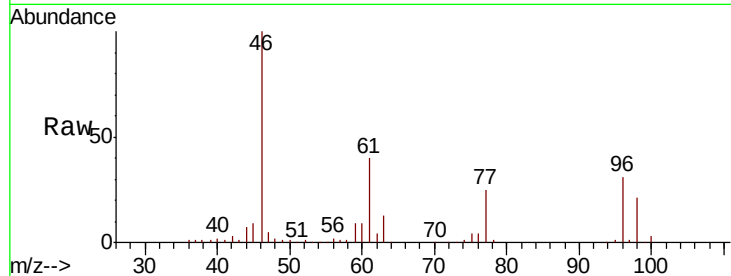




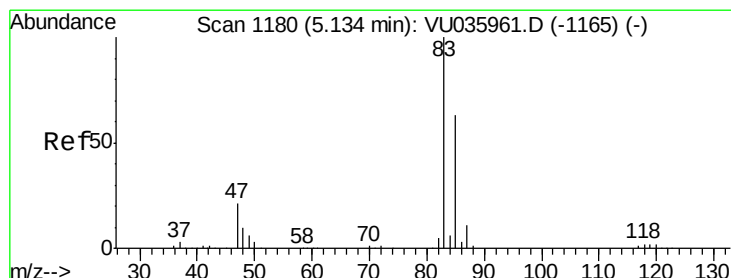
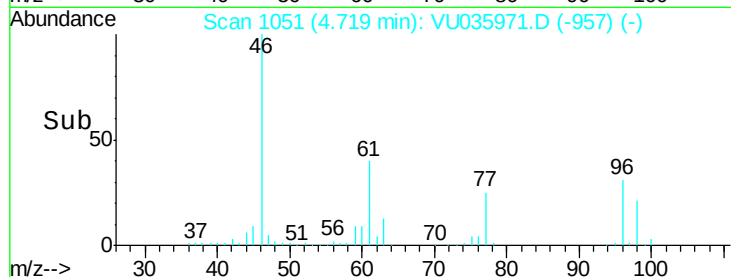
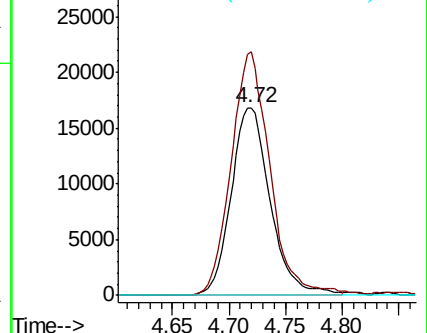
#22
 cis-1,2-Dichloroethene
 Concen: 1.699 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035971.D
 Acq: 04 Dec 2019 14:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE24DL

Tot Ion: 96 Resp: 40529
 Ion Ratio Lower Upper
 96 100
 61 129.6 95.7 177.7
 68 0.0 0.0 0.0

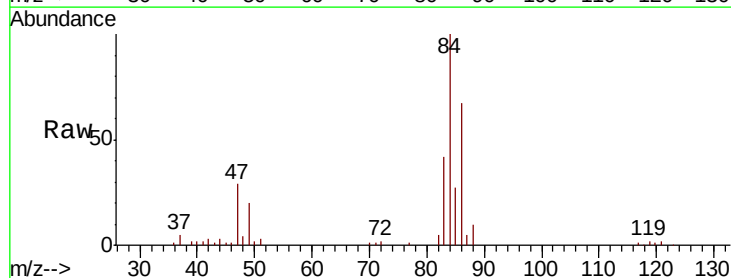


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

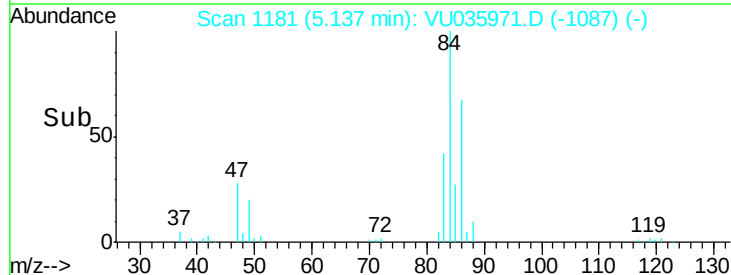
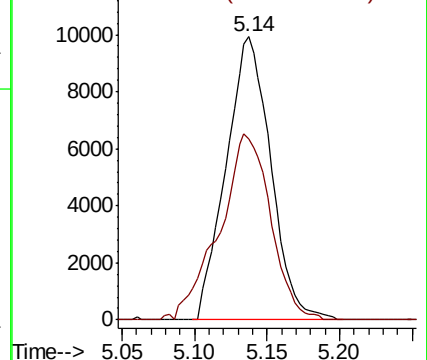


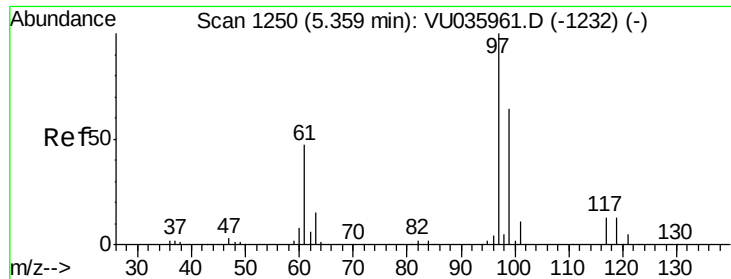
#25
 Chloroform
 Concen: 0.476 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU035971.D
 Acq: 04 Dec 2019 14:55

Tgt Ion: 83 Resp: 21212
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.4 84.2



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

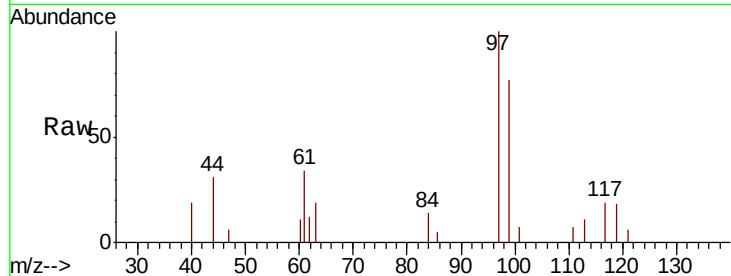




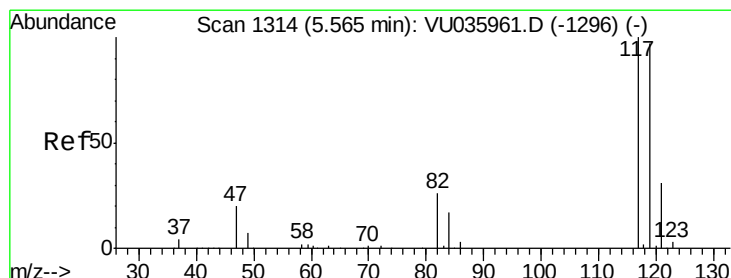
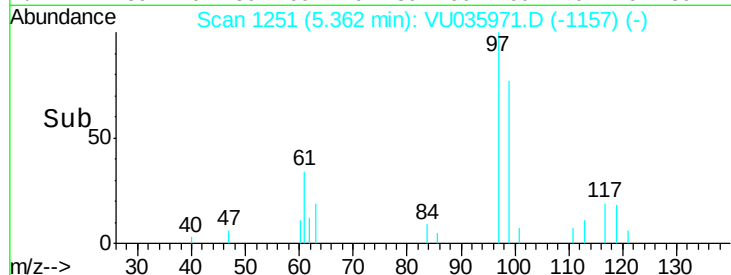
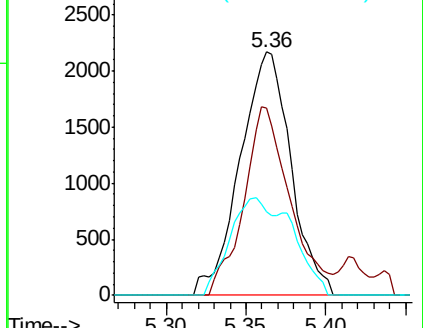
#29
 1,1,1-Trichloroethane
 Concen: 0.122 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035971.D
 Acq: 04 Dec 2019 14:55

Instrument :
 MSVOA_U
 ClientSampleID :
 BFE24DL

Tot Ion: 97 Resp: 4718
 Ion Ratio Lower Upper
 97 100
 99 70.9 51.8 77.8
 61 49.4 37.6 56.4

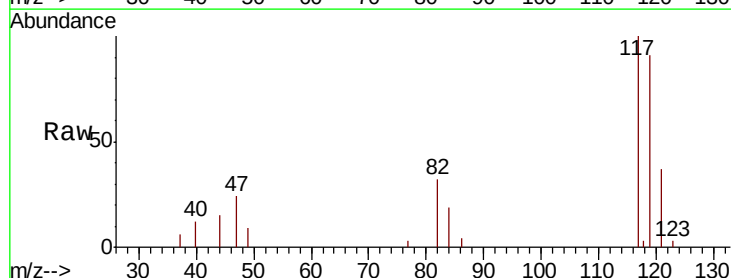


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

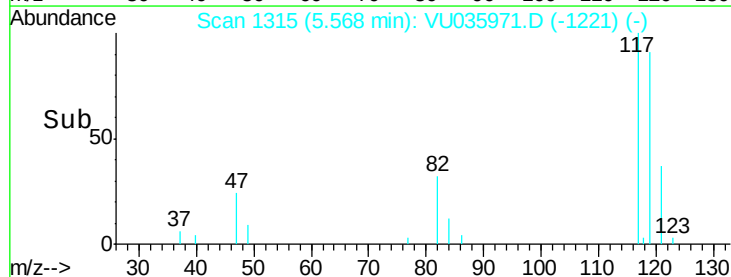
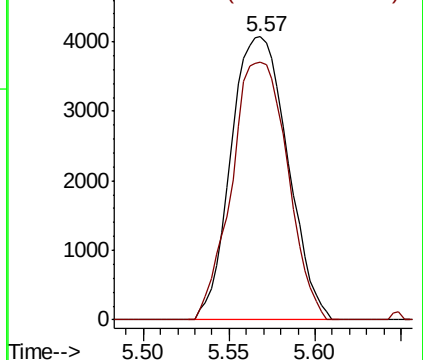


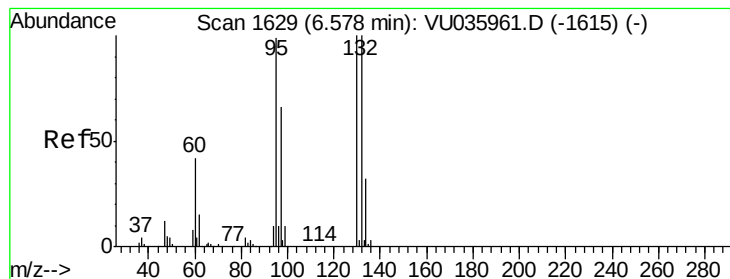
#31
 Carbon tetrachloride
 Concen: 0.271 ug/L
 RT: 5.57 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VU035971.D
 Acq: 04 Dec 2019 14:55

Tgt Ion: 117 Resp: 9301
 Ion Ratio Lower Upper
 117 100
 119 89.8 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 9.896 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035971.D

Acq: 04 Dec 2019 14:55

Instrument :

MSVOA_U

ClientSampleId :

BFE24DL

Tot Ion: 95 Resp: 252160

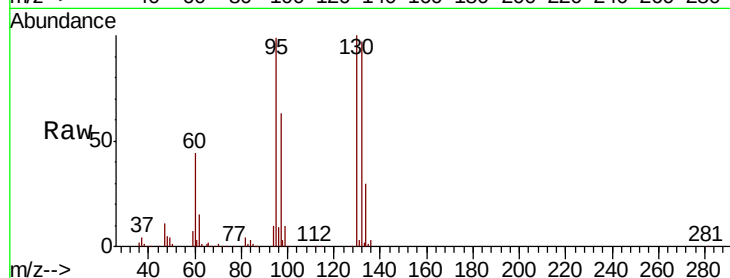
Ion Ratio Lower Upper

95 100

97 63.9 46.3 85.9

132 97.5 65.7 122.1

130 100.9 69.2 128.6



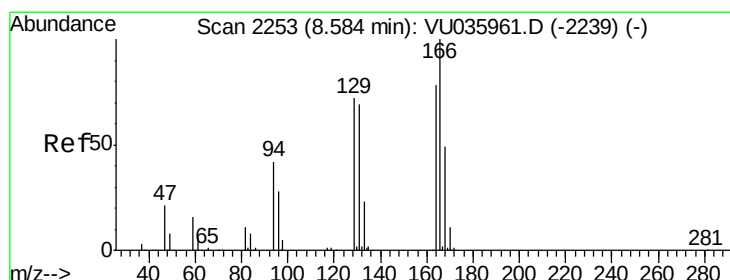
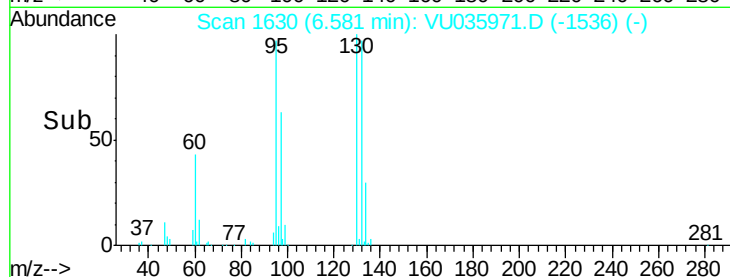
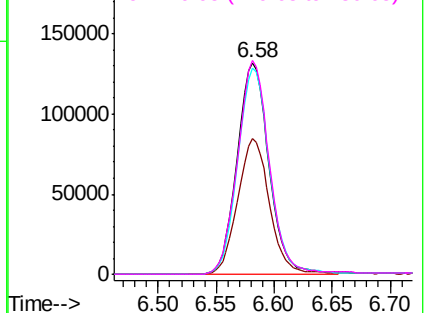
Abundance

Ion 95.00 (94.70 to 95.70): VU035971.D (-1630) (-)

Ion 96.95 (96.65 to 97.65): VU035971.D (-1630) (-)

Ion 131.95 (131.65 to 132.65): VU035971.D (-1630) (-)

Ion 129.95 (129.65 to 130.65): VU035971.D (-1630) (-)



#47

Tetrachloroethene

Concen: 2.259 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035971.D

Acq: 04 Dec 2019 14:55

Tgt Ion: 164 Resp: 46780

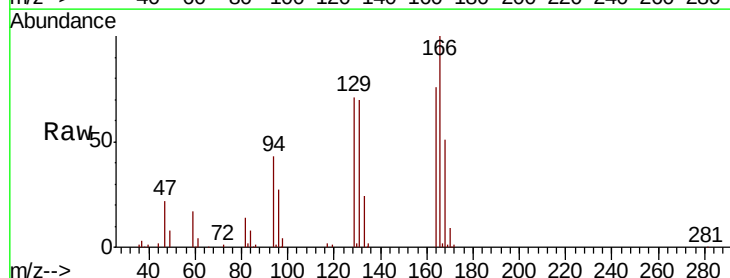
Ion Ratio Lower Upper

164 100

129 93.1 67.9 126.1

131 91.5 64.1 119.1

166 131.0 92.6 172.0



Abundance

Ion 163.90 (163.60 to 164.60): VU035971.D (-2253) (-)

Ion 128.95 (128.65 to 129.65): VU035971.D (-2253) (-)

Ion 130.95 (130.65 to 131.65): VU035971.D (-2253) (-)

Ion 165.90 (165.60 to 166.60): VU035971.D (-2253) (-)

