

Data File : VU036231.D
Acq On : 16 Dec 2019 14:05
Operator : JC/MD
Sample : K6234-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE64

Quant Time: Dec 17 01:23:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 01:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	218598	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	250122	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	82000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85019	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.93	69	82235	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.59	63	90563	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.68	46	180430	50.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.06%
24) Chloroform-d	5.11	84	152950	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.75	65	81707	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.77	84	273539	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.73	67	92325	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.93	98	224669	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	8.21	79	35488	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.68	63	156159	50.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.20%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	84281	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	76480	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

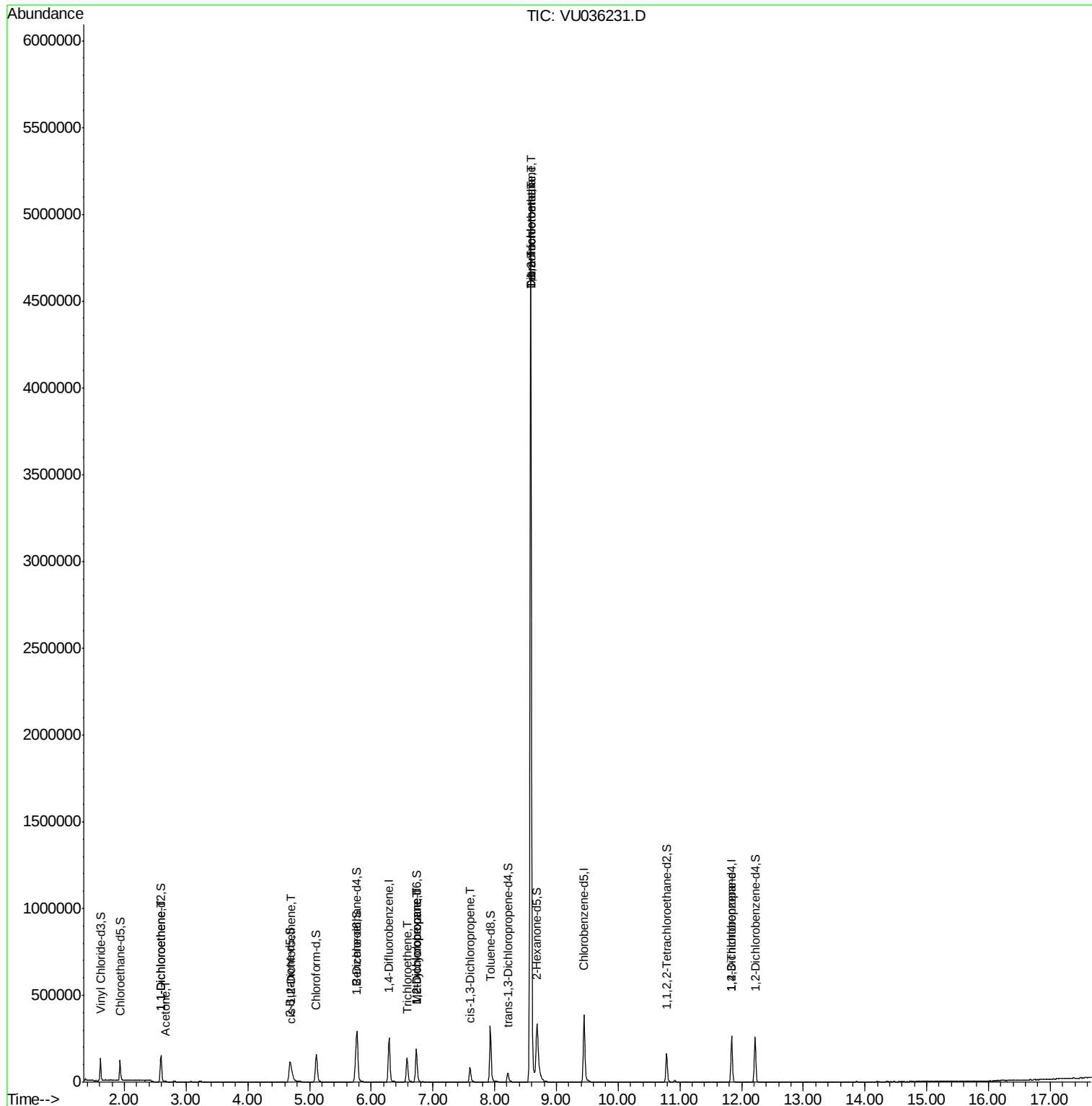
					Qvalue
12) 1,1-Dichloroethene	2.59	96	1003	0.062 ug/L #	1
13) Acetone	2.66	43	6293	2.002 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	19054	1.046 ug/L	98
34) Trichloroethene	6.58	95	49183	2.482 ug/L	96
35) Methylcyclohexane	6.73	83	22447	0.797 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	10322	0.526 ug/L #	85
39) cis-1,3-Dichloropropene	7.60	75	2518	0.094 ug/L #	47
45) 1,1,2-Trichloroethane	8.58	97	9274	0.631 ug/L #	1
47) Tetrachloroethene	8.58	164	1241009	69.337 ug/L	95
49) Dibromochloromethane	8.58	129	1079611	59.442 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8350	0.641 ug/L	92

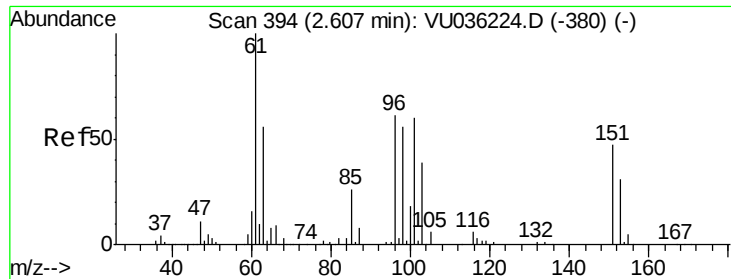
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036231.D

Acq: 16 Dec 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

BF64

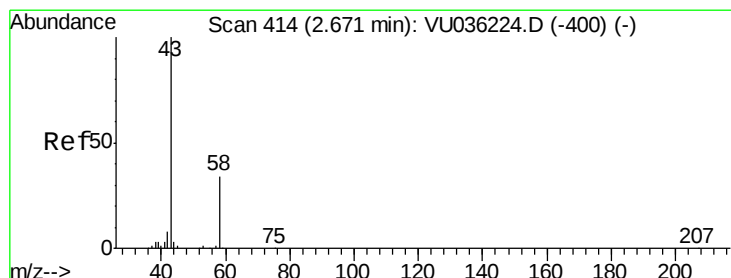
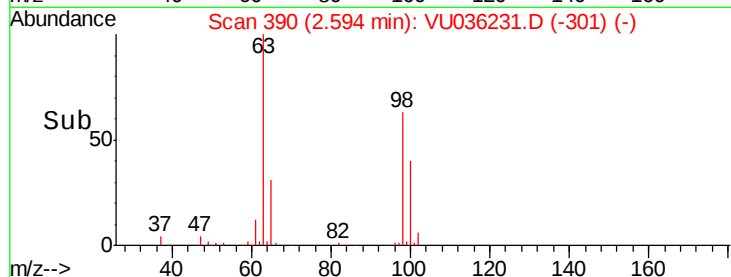
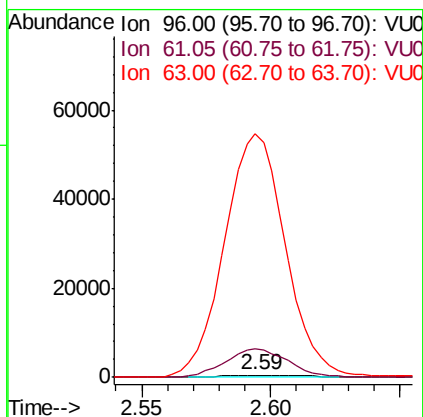
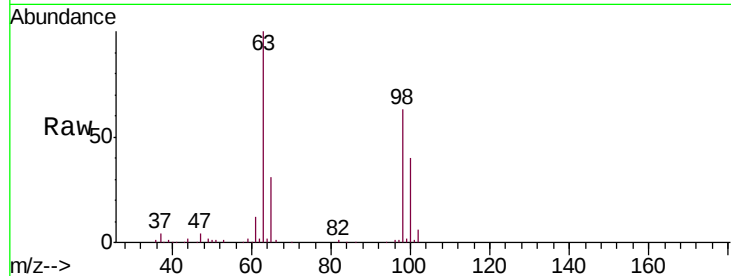
Tgt Ion: 96 Resp: 1003

Ion Ratio Lower Upper

96 100

61 1291.6 114.0 211.8#

63 10932.8 63.6 118.0#



#13

Acetone

Concen: 2.002 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036231.D

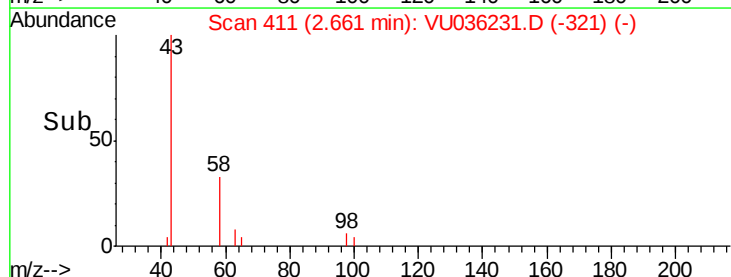
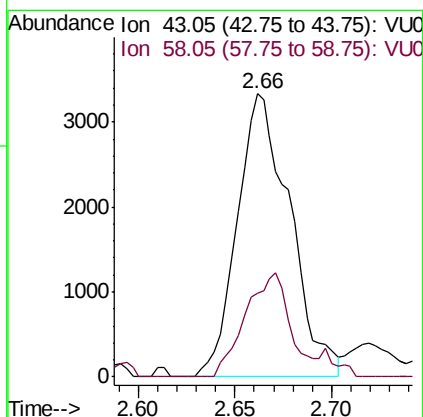
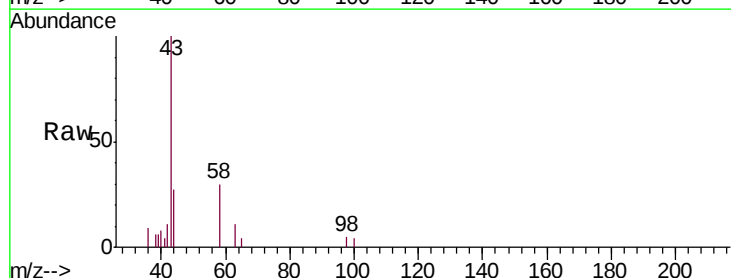
Acq: 16 Dec 2019 14:05

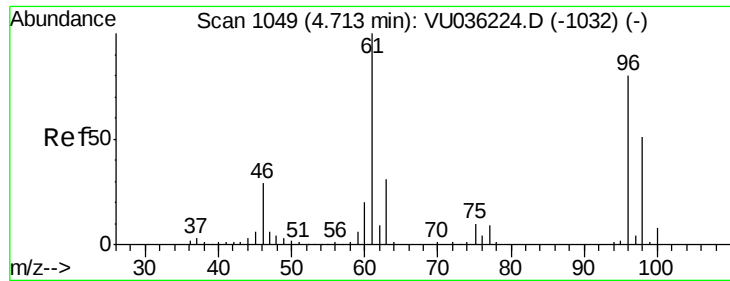
Tgt Ion: 43 Resp: 6293

Ion Ratio Lower Upper

43 100

58 31.0 0.0 67.6

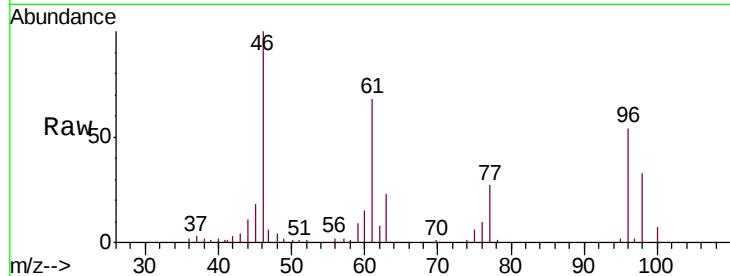




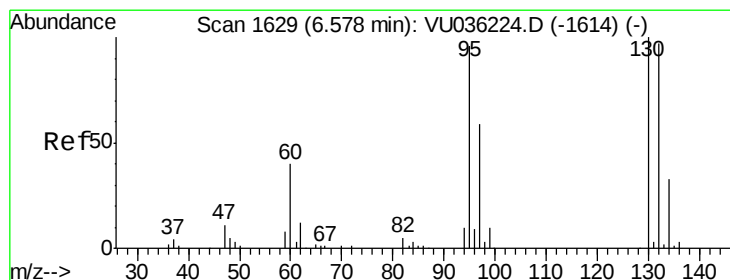
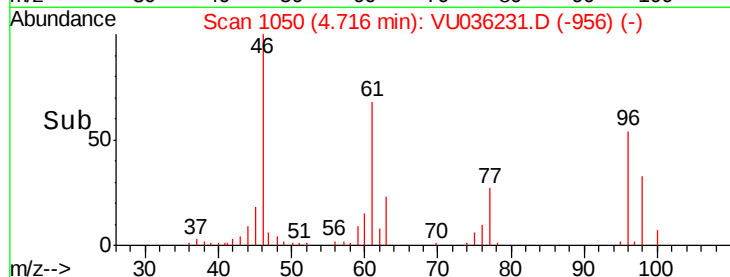
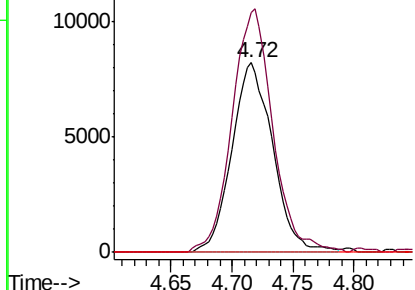
#22
 cis-1,2-Dichloroethene
 Concen: 1.046 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036231.D
 Acq: 16 Dec 2019 14:05

Instrument :
 MSVOA_U
 ClientSampled :
 BFE64

Tgt Ion: 96 Resp: 19054
 Ion Ratio Lower Upper
 96 100
 61 126.4 86.7 161.1
 68 0.0 0.0 0.0

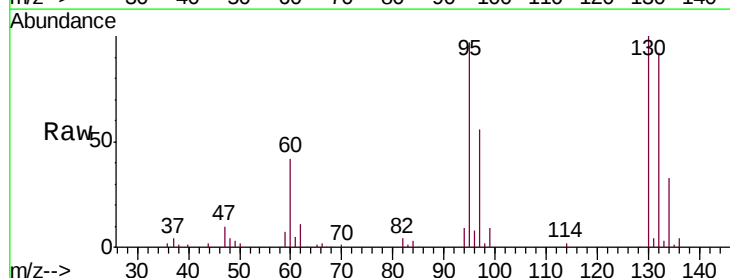


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

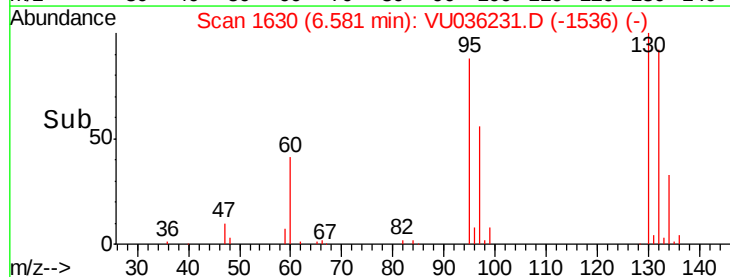
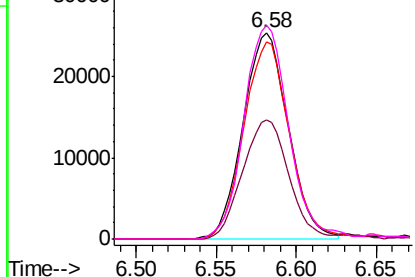


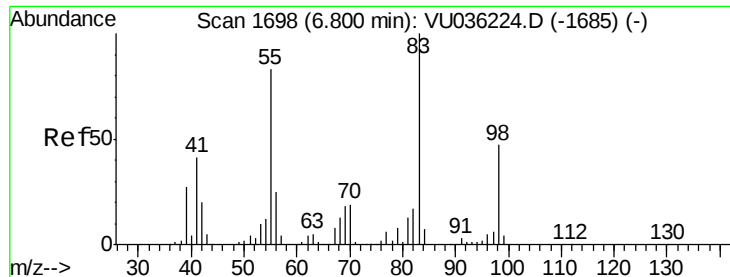
#34
 Trichloroethene
 Concen: 2.482 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036231.D
 Acq: 16 Dec 2019 14:05

Tgt Ion: 95 Resp: 49183
 Ion Ratio Lower Upper
 95 100
 97 57.9 43.6 81.0
 132 95.7 69.6 129.2
 130 103.5 70.3 130.7



Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.797 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036231.D

Acq: 16 Dec 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

BF64

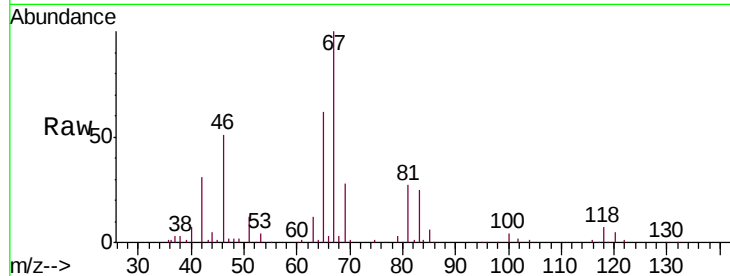
Tgt Ion: 83 Resp: 22447

Ion Ratio Lower Upper

83 100

55 0.2 62.6 94.0#

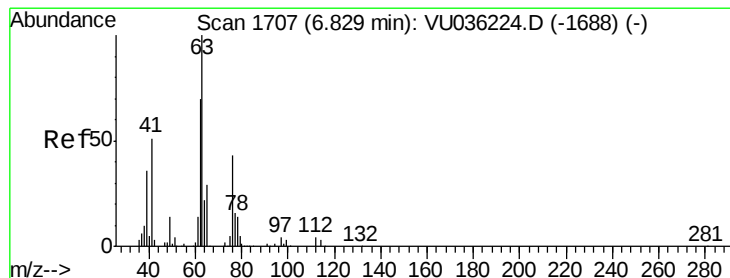
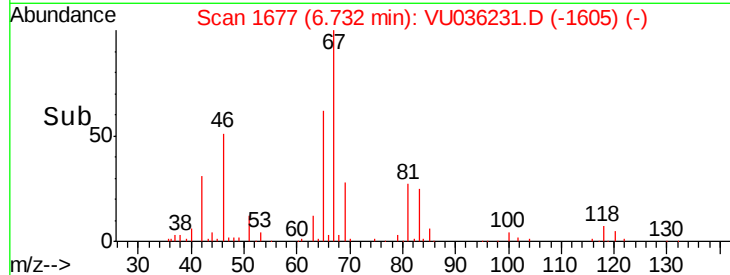
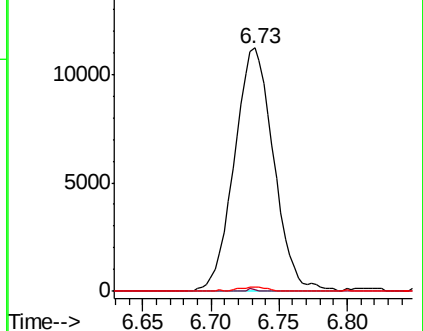
98 1.2 36.2 54.2#



Abundance Ion 83.15 (82.85 to 83.85): VU036231.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036231.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036231.D (-1605) (-)



#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036231.D

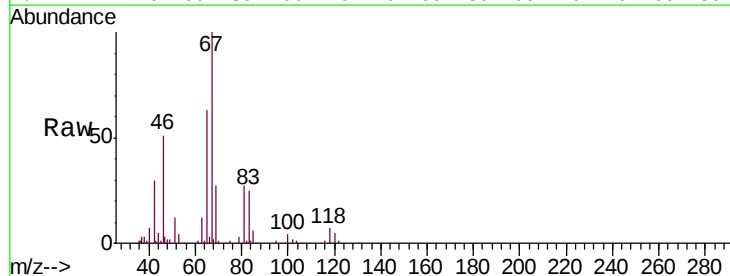
Acq: 16 Dec 2019 14:05

Tgt Ion: 63 Resp: 10322

Ion Ratio Lower Upper

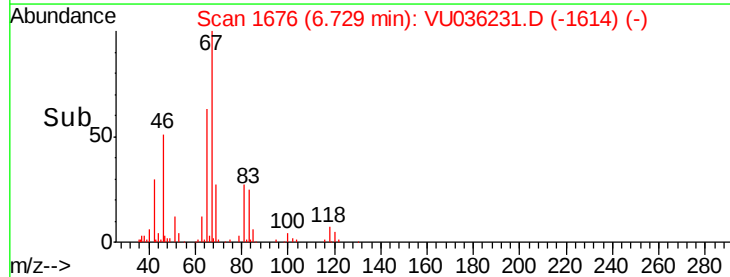
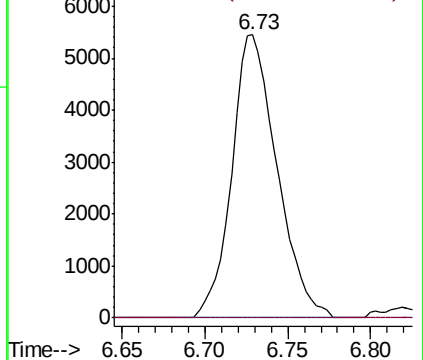
63 100

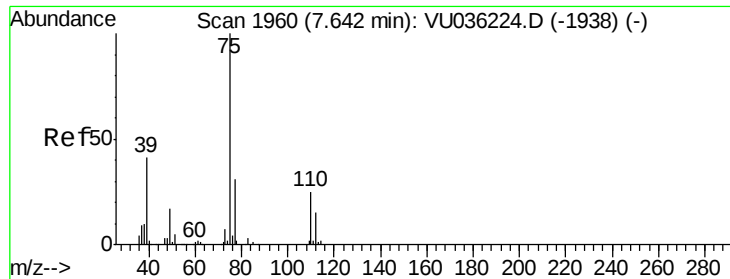
112 0.0 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036231.D (-1614) (-)

Ion 112.10 (111.80 to 112.80): VU036231.D (-1614) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036231.D

Acq: 16 Dec 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

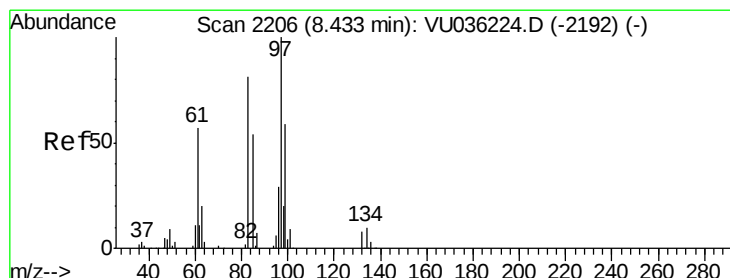
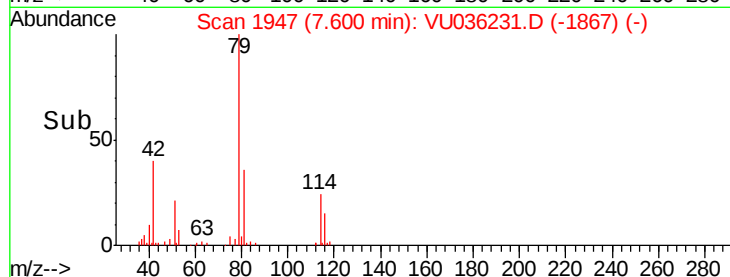
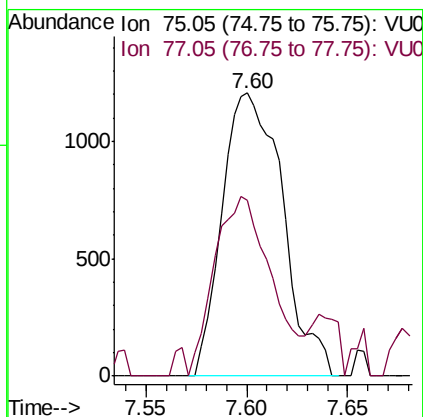
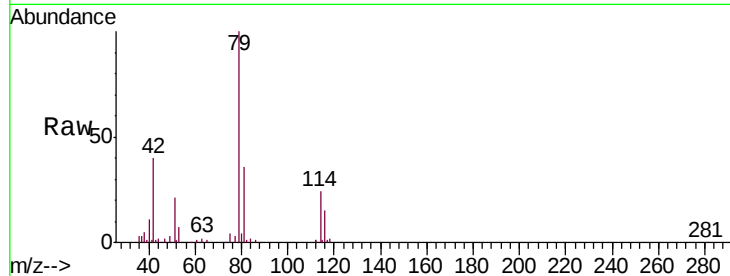
BF64

Tgt Ion: 75 Resp: 2518

Ion Ratio Lower Upper

75 100

77 62.4 22.7 42.1#



#45

1,1,2-Trichloroethane

Concen: 0.631 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.15 min

Lab File: VU036231.D

Acq: 16 Dec 2019 14:05

Tgt Ion: 97 Resp: 9274

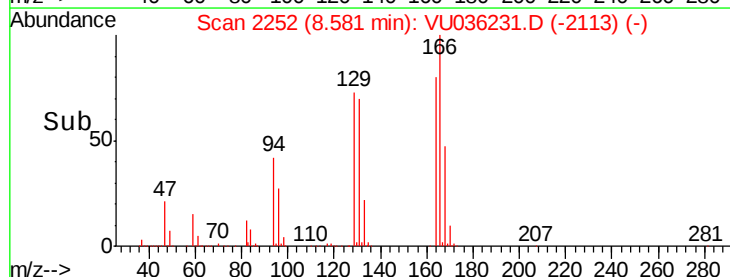
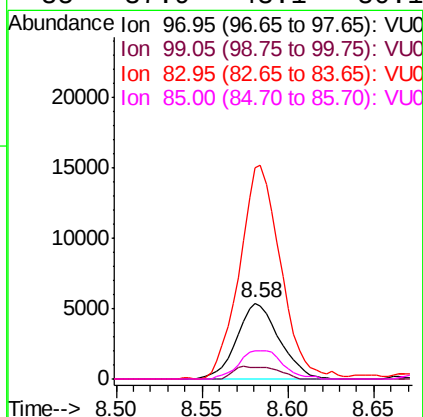
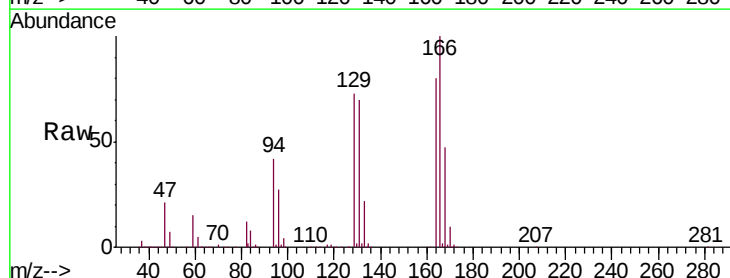
Ion Ratio Lower Upper

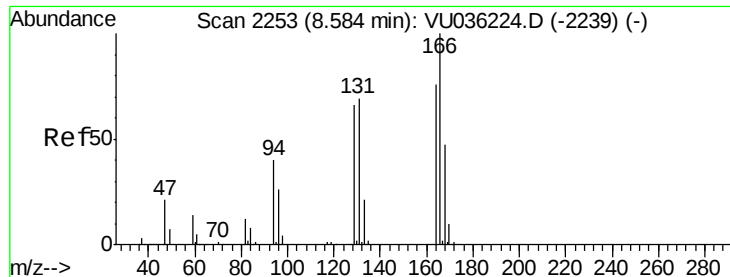
97 100

99 14.7 46.1 85.5#

83 278.8 65.9 122.3#

85 37.9 43.1 80.1#

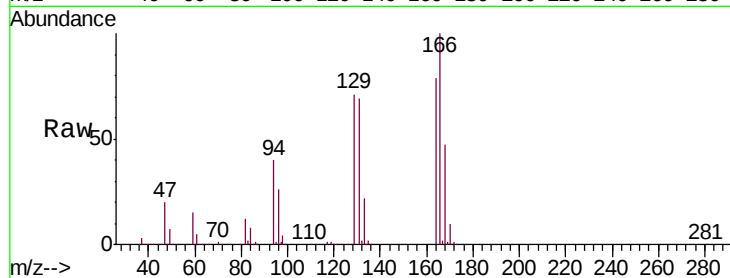




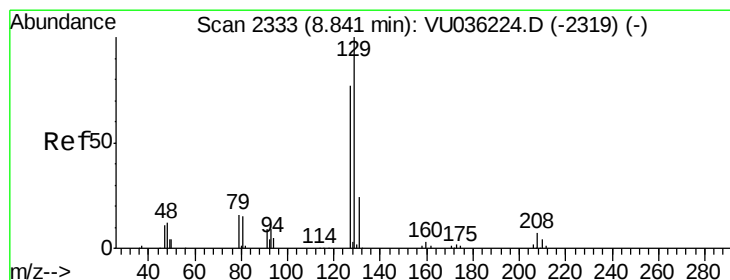
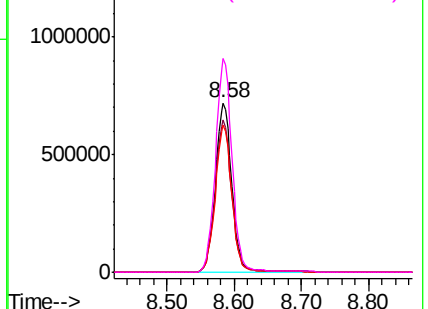
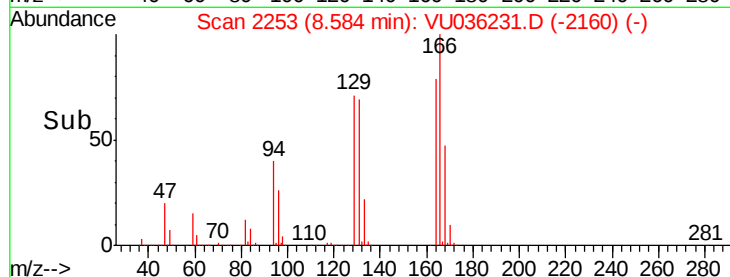
#47
Tetrachloroethene
Concen: 69.337 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036231.D
Acq: 16 Dec 2019 14:05

Instrument :
MSVOA_U
ClientSampleId :
BFE64

Tgt Ion:164 Resp: 1241009
Ion Ratio Lower Upper
164 100
129 89.8 64.2 119.2
131 87.2 66.6 123.8
166 126.2 93.1 172.9

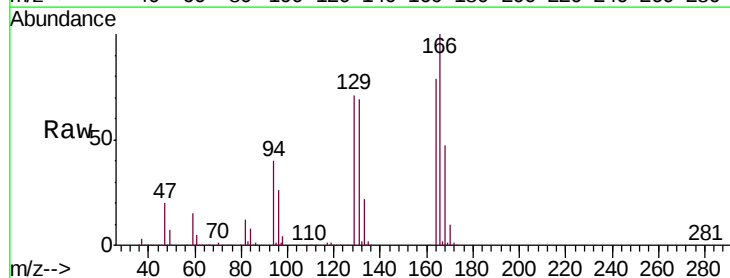


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

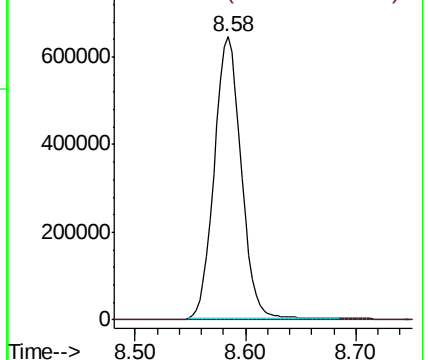
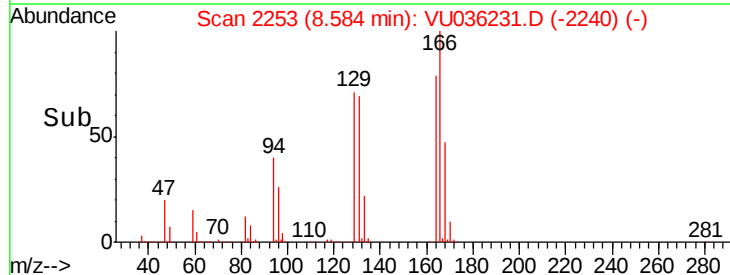


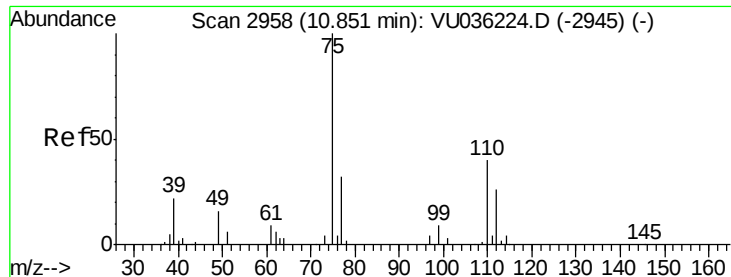
#49
Dibromochloromethane
Concen: 59.442 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU036231.D
Acq: 16 Dec 2019 14:05

Tgt Ion:129 Resp: 1079611
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.6#



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: 0.641 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036231.D

Acq: 16 Dec 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

BF64

Tgt Ion: 75 Resp: 8350

Ion Ratio Lower Upper

75 100

77 38.7 27.2 40.8

