

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037796.D
 Acq On : 18 Apr 2020 01:30
 Operator : JC/MD
 Sample : L2319-08
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 05:24:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 05:19:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	273665	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	265742	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	128138	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	75417	3.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.80%
7) Chloroethane-d5	1.93	69	72936	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	2.60	63	205649	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.80%
20) 2-Butanone-d5	4.66	46	311582	54.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.58%
24) Chloroform-d	5.11	84	154328	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.74	65	93680	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.76	84	321836	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.72	67	110536	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.92	98	289165	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.20	79	44801	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.65	63	263284	49.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.00%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	89023	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	110144	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	6068	0.210	ug/L #	1
12) 1,1-Dichloroethene	2.60	96	164184	8.694	ug/L	88
13) Acetone	2.66	43	7925	2.113	ug/L	100
17) Methyl tert-butyl Ether	3.40	73	12123	0.222	ug/L #	92
18) trans-1,2-Dichloroethene	3.39	96	7148	0.349	ug/L	98
19) 1,1-Dichloroethane	3.91	63	41872	1.057	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	261899	11.839	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	12714	0.394	ug/L	95
34) Trichloroethene	6.57	95	383072	17.753	ug/L	97
35) Methylcyclohexane	6.72	83	24948	0.660	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12311	0.529	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2732	0.075	ug/L #	50
45) 1,1,2-Trichloroethane	8.42	97	1996	0.127	ug/L	89
47) Tetrachloroethene	8.57	164	468321	30.204	ug/L	99
49) Dibromochloromethane	8.57	129	445492	24.842	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	17375	1.140	ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 18 05:19:30 2020
Response via : Initial Calibration

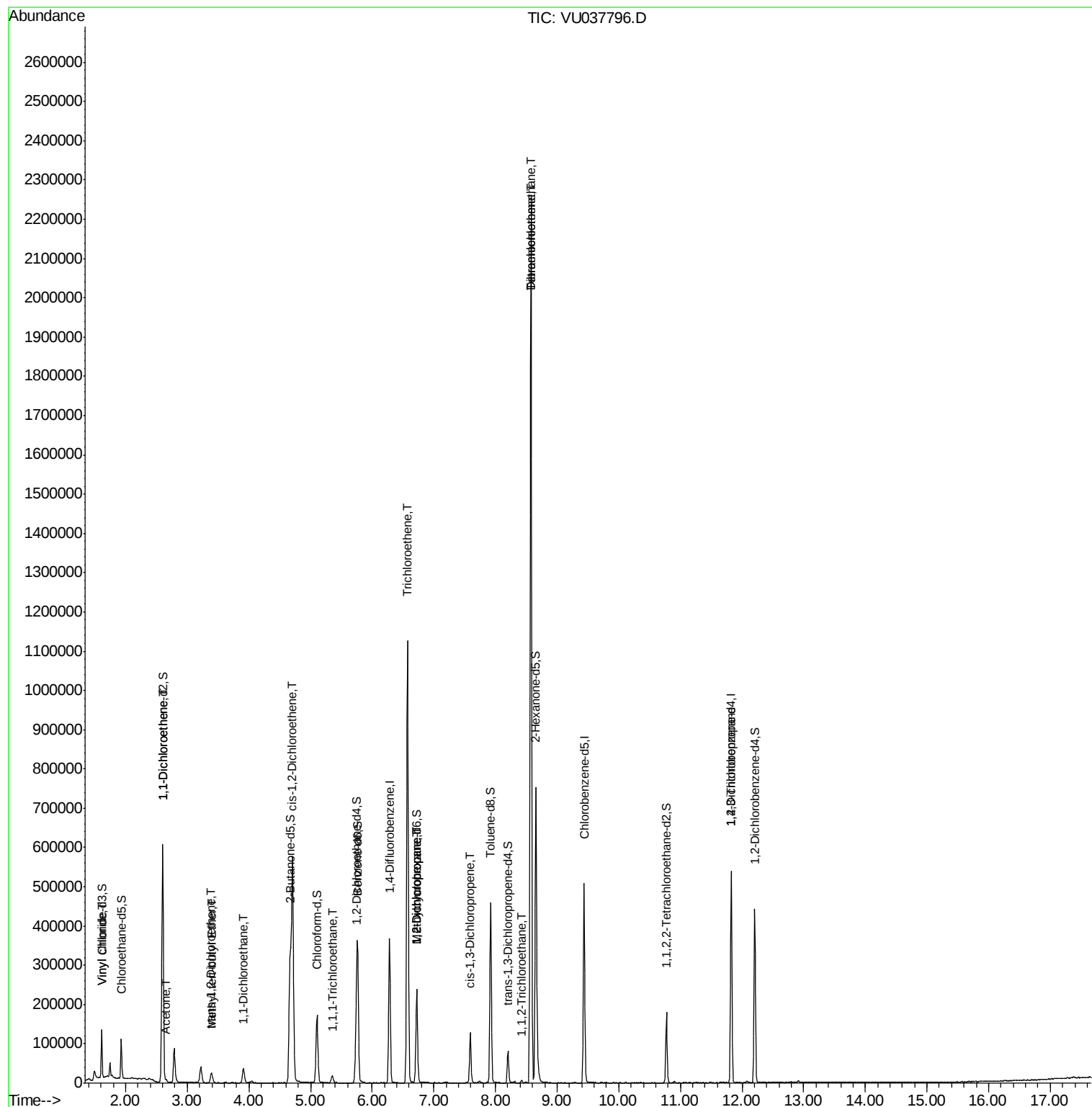
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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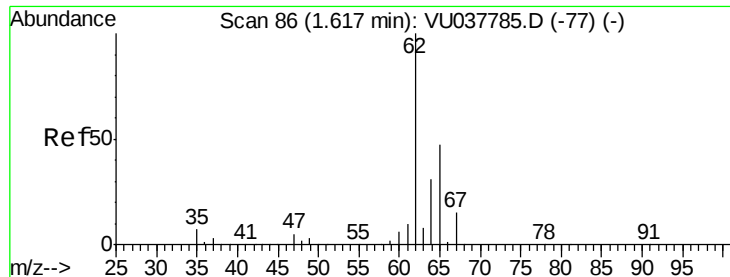
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041720\
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.210 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

Instrument :

MSVOA_U

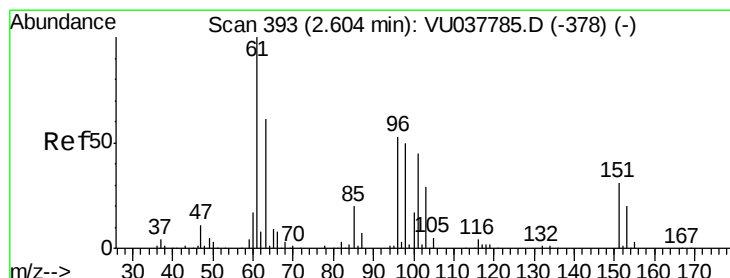
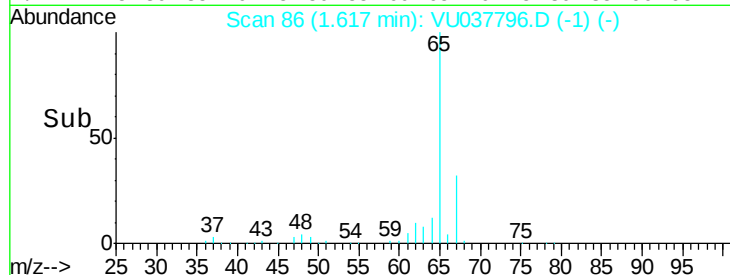
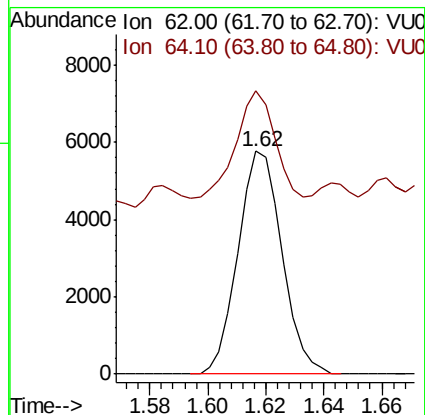
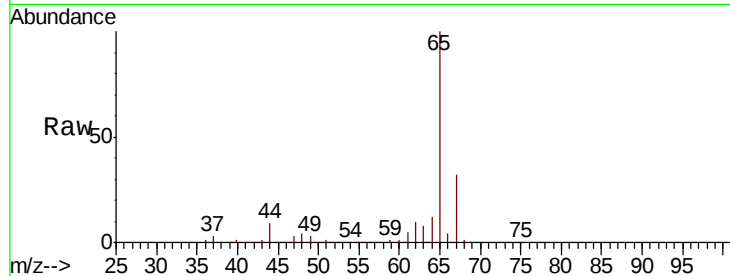
ClientSampleId :

Tot Ion: 62 Resp: 6068

Ion Ratio Lower Upper

62 100

64 127.0 22.1 41.1#



#12

1,1-Dichloroethene

Concen: 8.694 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

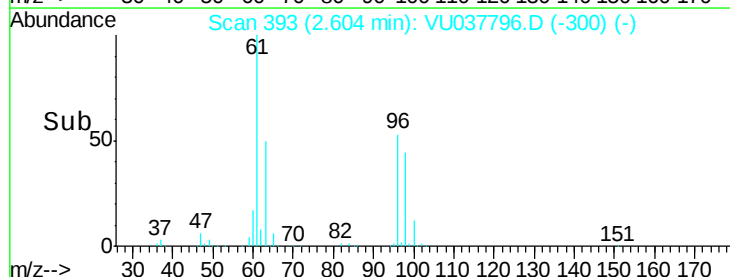
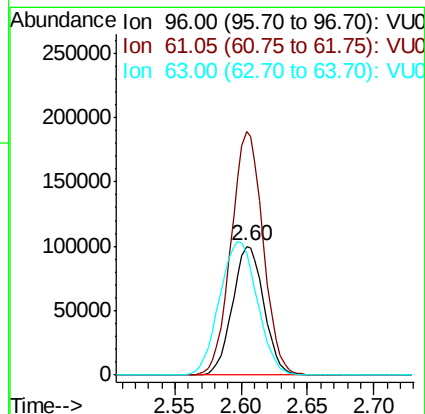
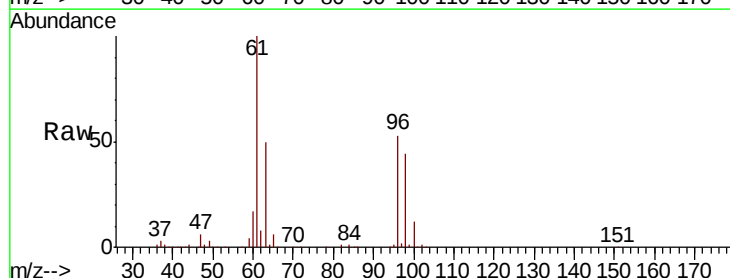
Tgt Ion: 96 Resp: 164184

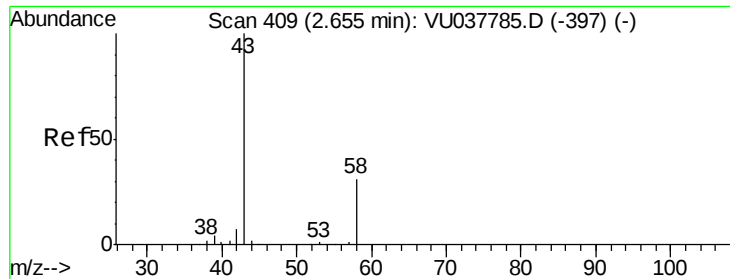
Ion Ratio Lower Upper

96 100

61 189.6 127.7 237.3

63 95.2 85.0 157.8





#13

Acetone

Concen: 2.113 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

Instrument :

MSVOA_U

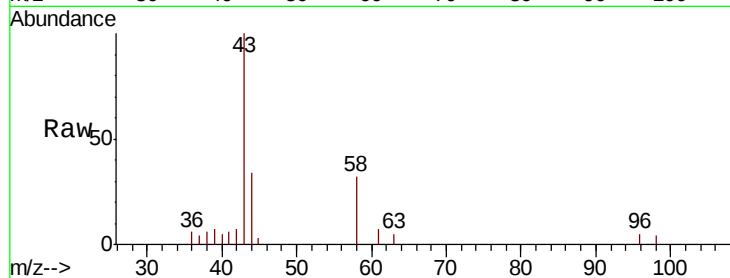
ClientSampled :

Tot Ion: 43 Resp: 7925

Ion Ratio Lower Upper

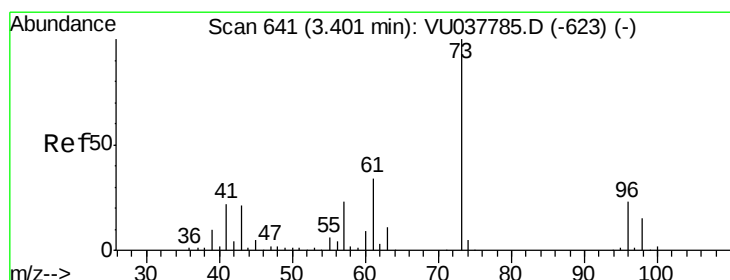
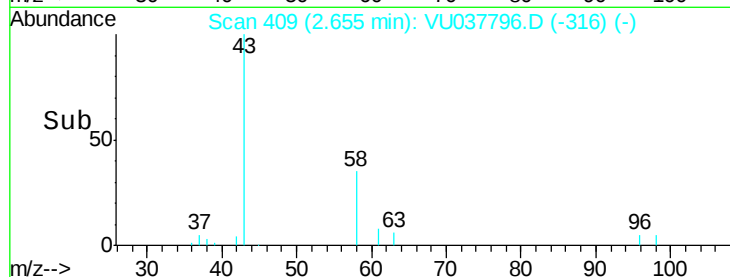
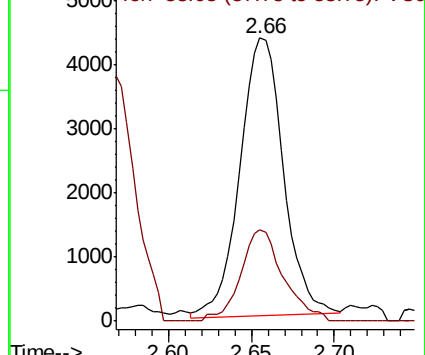
43 100

58 32.4 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037796.D (-548) (-)

Ion 58.05 (57.75 to 58.75): VU037796.D (-548) (-)



#17

Methyl tert-butyl Ether

Concen: 0.222 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

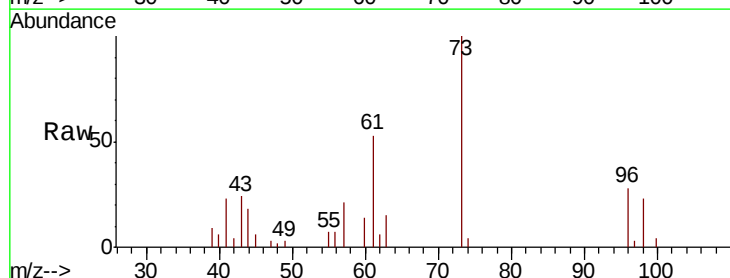
Tgt Ion: 73 Resp: 12123

Ion Ratio Lower Upper

73 100

43 26.0 16.4 24.6#

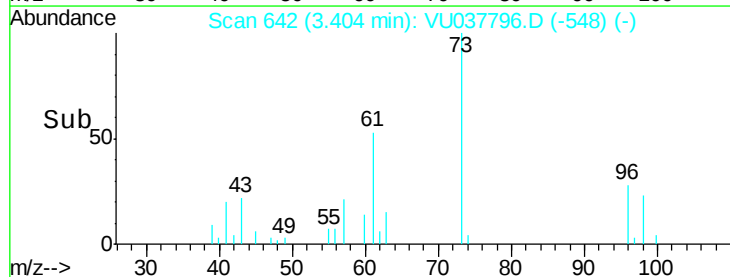
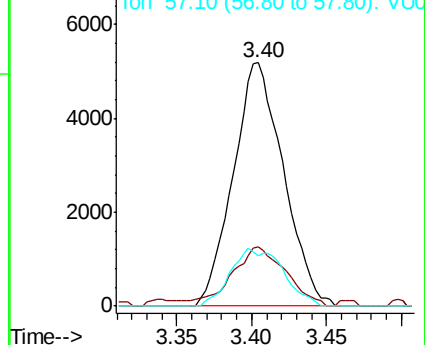
57 24.8 18.4 27.6

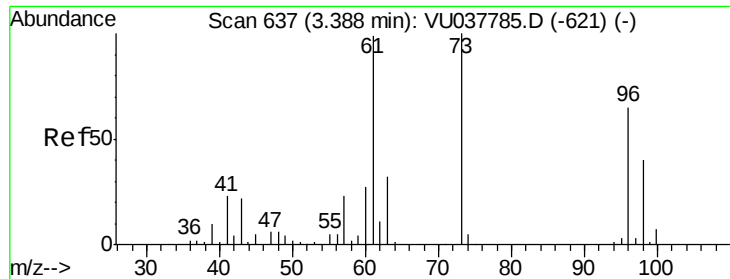


Abundance Ion 73.10 (72.80 to 73.80): VU037796.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU037796.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU037796.D (-548) (-)

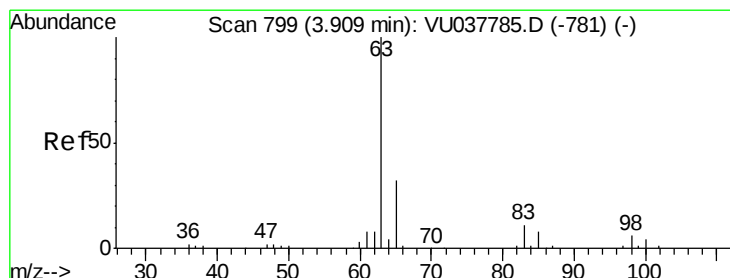
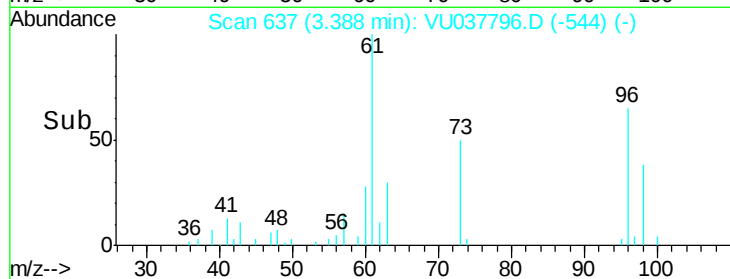
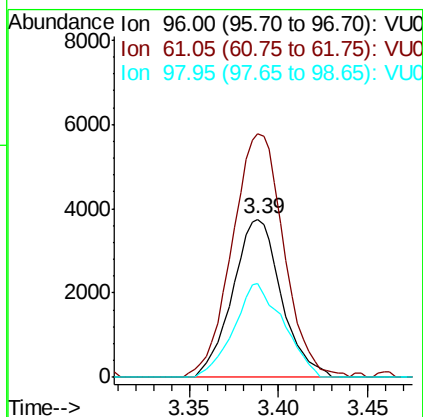
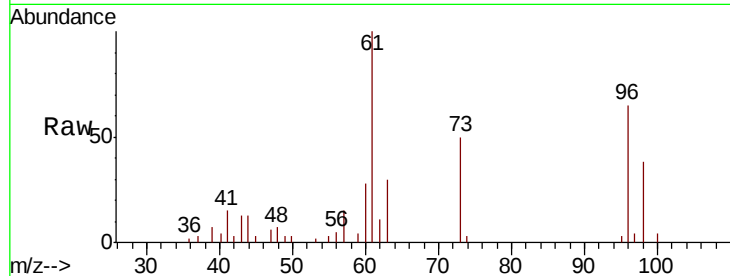




#18
 trans-1,2-Dichloroethene
 Concen: 0.349 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU037796.D
 Acq: 18 Apr 2020 01:30

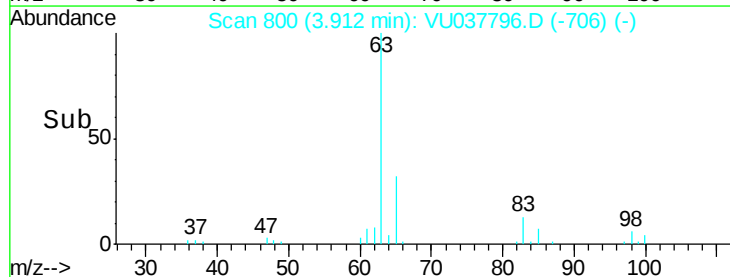
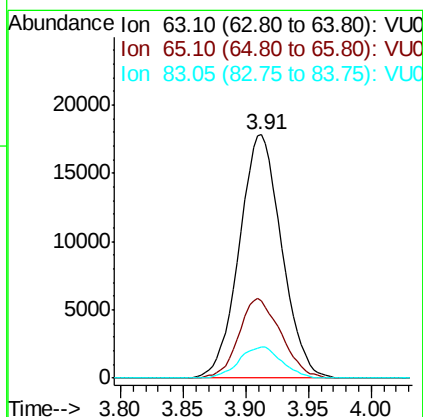
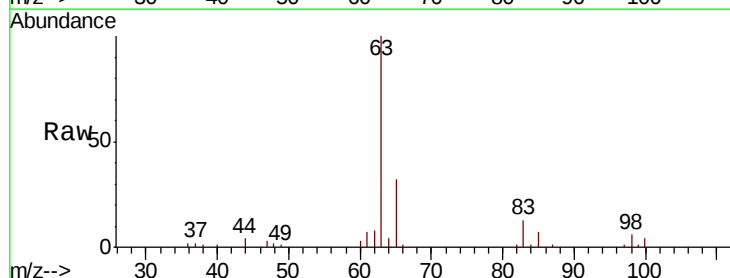
Instrument :
 MSVOA_U
 ClientSampled :

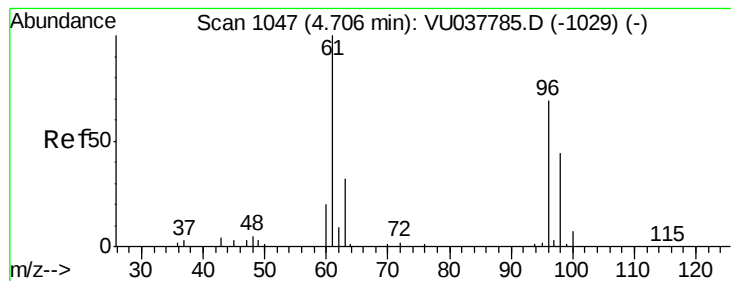
Tot Ion: 96 Resp: 7148
 Ion Ratio Lower Upper
 96 100
 61 154.1 106.7 198.3
 98 59.2 44.3 82.3



#19
 1,1-Dichloroethane
 Concen: 1.057 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037796.D
 Acq: 18 Apr 2020 01:30

Tgt Ion: 63 Resp: 41872
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.6 40.2
 83 12.8 8.6 16.0





#22

cis-1,2-Dichloroethene

Concen: 11.839 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

Instrument :

MSVOA_U

ClientSampled :

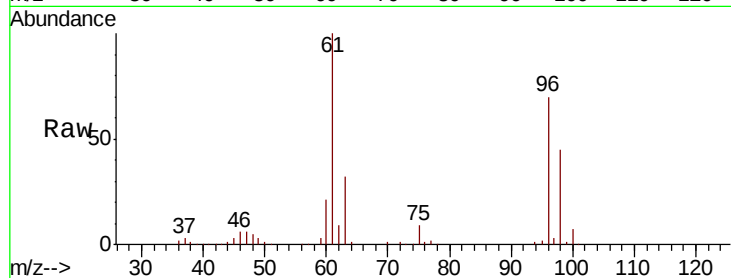
Tot Ion: 96 Resp: 261899

Ion Ratio Lower Upper

96 100

61 142.8 97.0 180.2

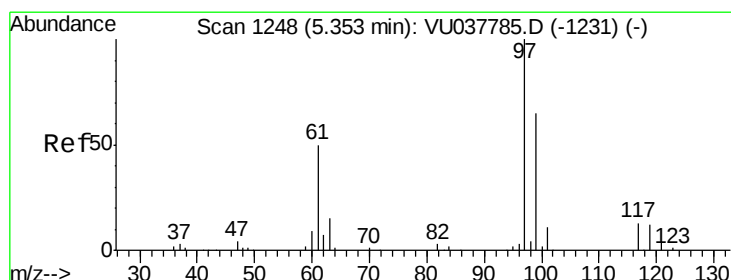
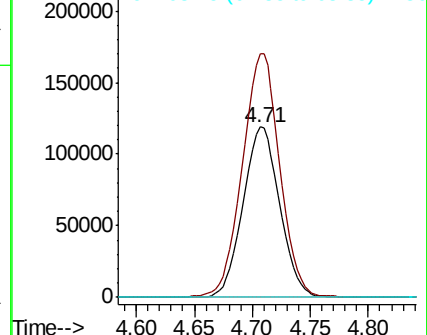
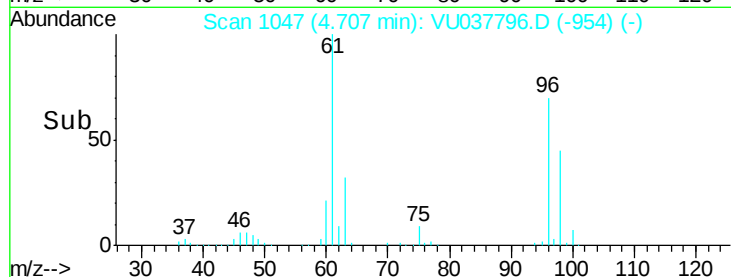
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037796.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037796.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037796.D (-954) (-)



#29

1,1,1-Trichloroethane

Concen: 0.394 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

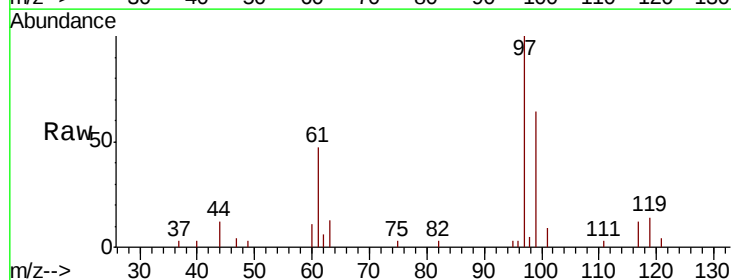
Tgt Ion: 97 Resp: 12714

Ion Ratio Lower Upper

97 100

99 69.8 52.0 78.0

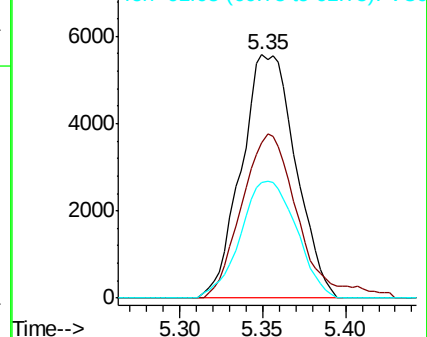
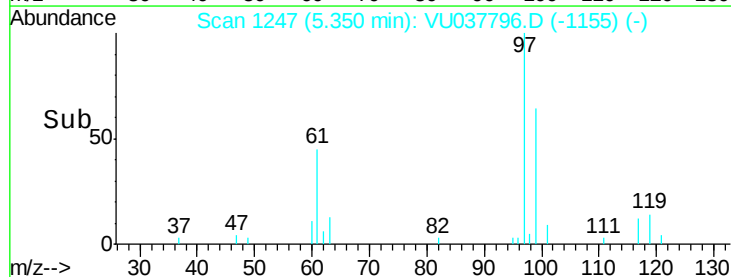
61 49.2 37.8 56.8

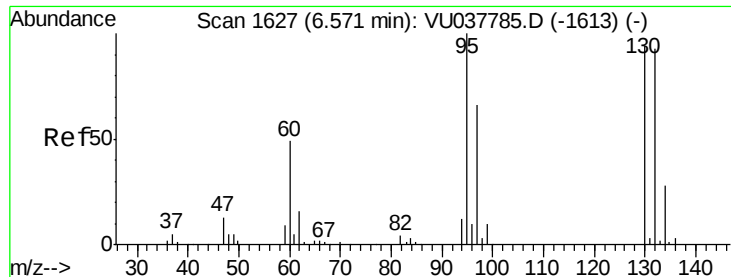


Abundance Ion 96.95 (96.65 to 97.65): VU037796.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU037796.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU037796.D (-1155) (-)

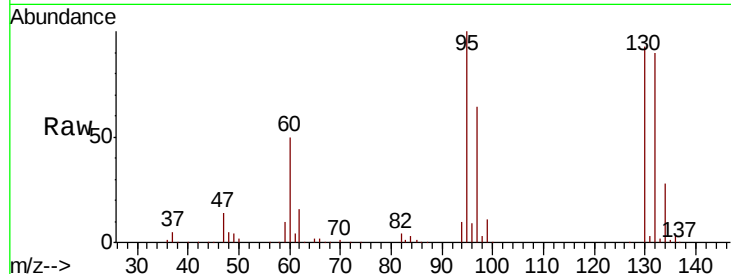




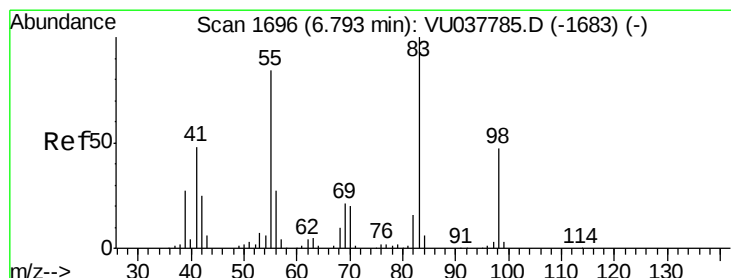
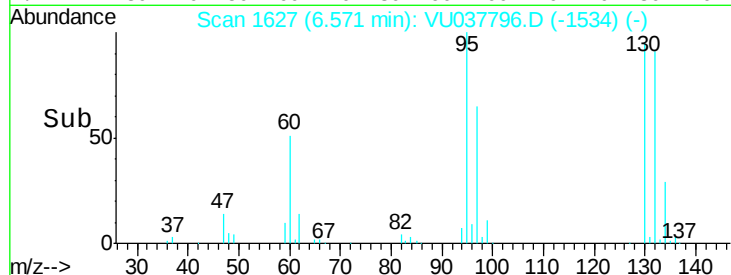
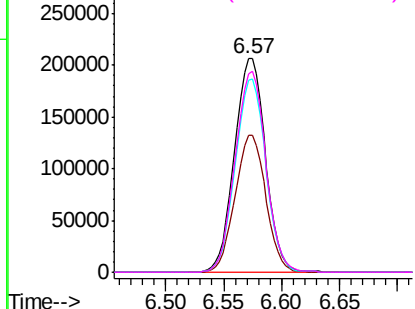
#34
 Trichloroethene
 Concen: 17.753 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037796.D
 Acq: 18 Apr 2020 01:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 383072
 Ion Ratio Lower Upper
 95 100
 97 63.9 45.4 84.2
 132 89.9 63.7 118.3
 130 93.1 68.7 127.5

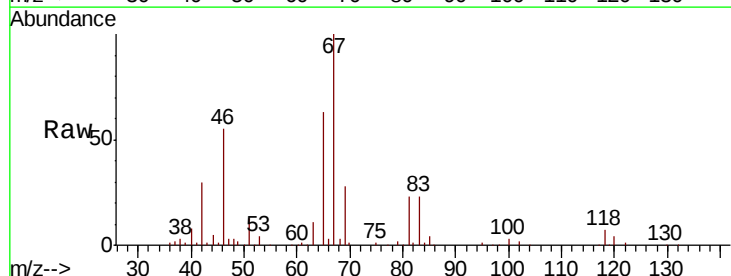


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

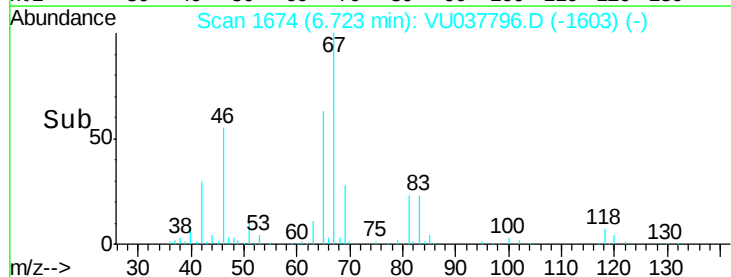
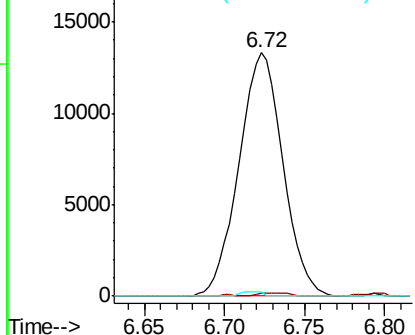


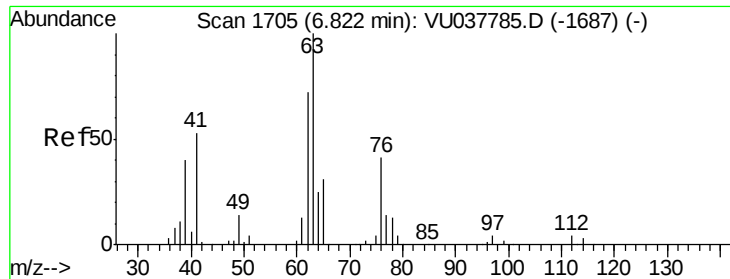
#35
 Methylcyclohexane
 Concen: 0.660 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU037796.D
 Acq: 18 Apr 2020 01:30

Tgt Ion: 83 Resp: 24948
 Ion Ratio Lower Upper
 83 100
 55 0.8 65.5 98.3#
 98 0.0 38.2 57.4#



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

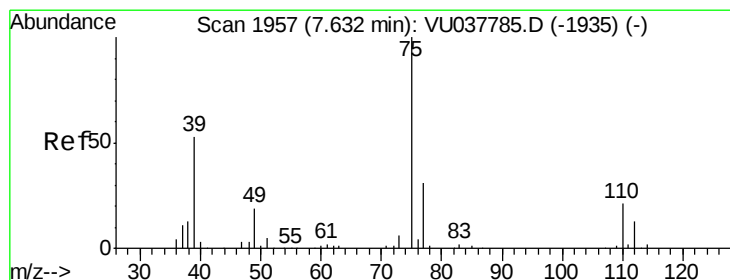
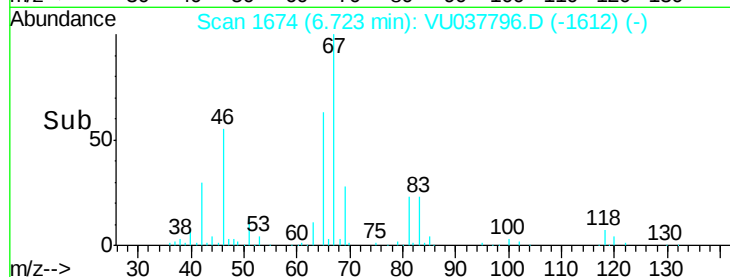
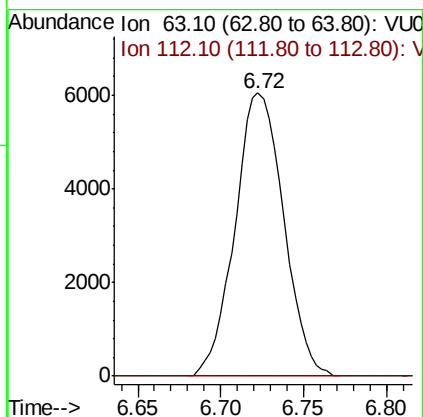
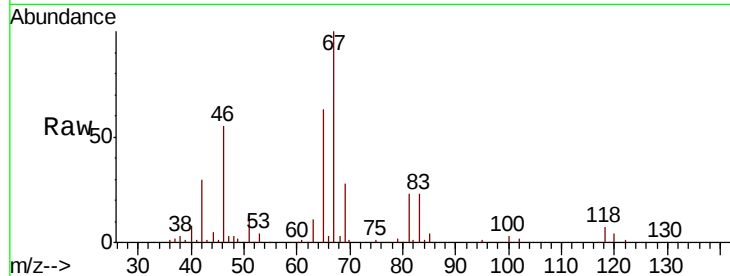




#37
 1,2-Dichloropropane
 Concen: 0.529 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037796.D
 Acq: 18 Apr 2020 01:30

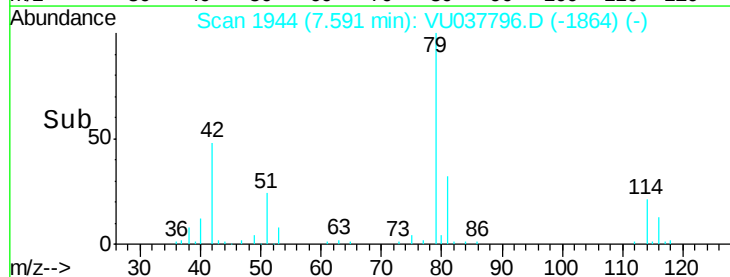
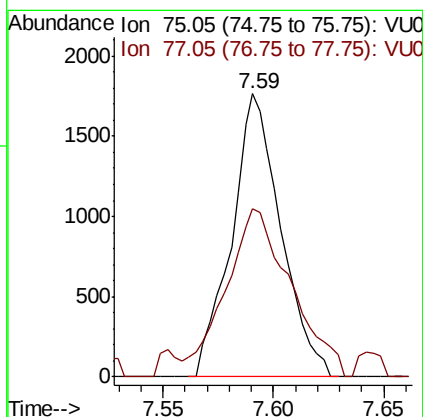
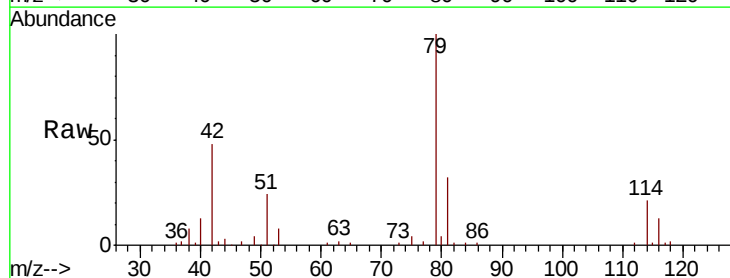
Instrument :
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 ClientSampleId :

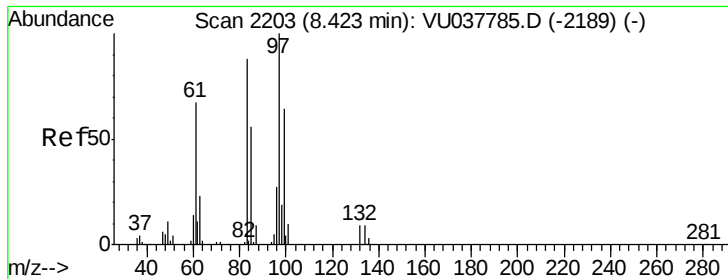
Tot Ion: 63 Resp: 12311
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037796.D
 Acq: 18 Apr 2020 01:30

Tgt Ion: 75 Resp: 2732
 Ion Ratio Lower Upper
 75 100
 77 59.4 22.2 41.2#





#45

1,1,2-Trichloroethane

Concen: 0.127 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 1996

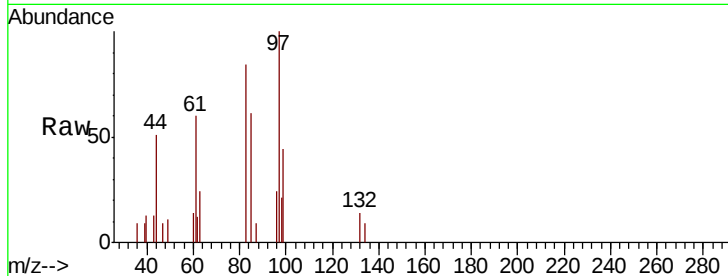
Ion Ratio Lower Upper

97 100

99 43.6 43.1 80.1

83 84.3 62.4 116.0

85 60.9 39.6 73.6



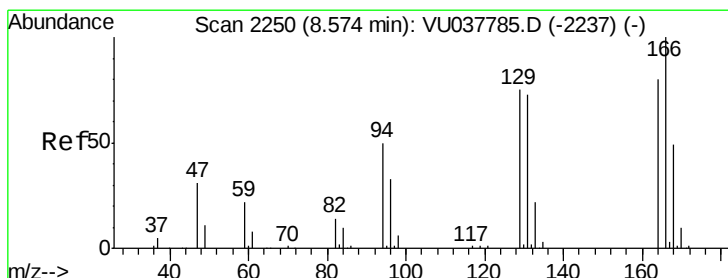
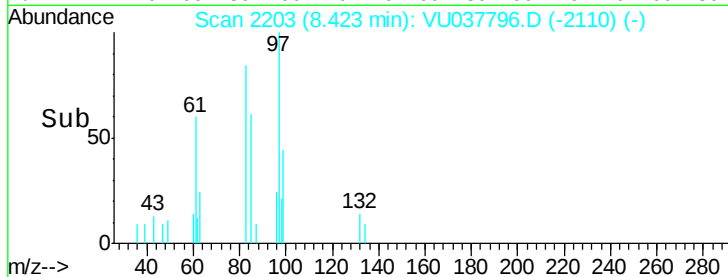
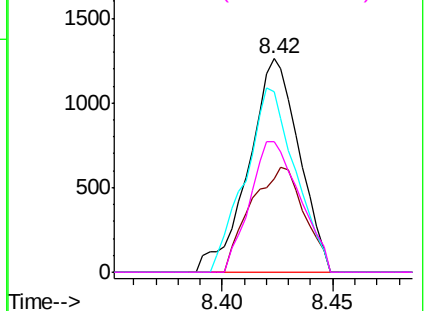
Abundance

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: 30.204 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

Tgt Ion: 164 Resp: 468321

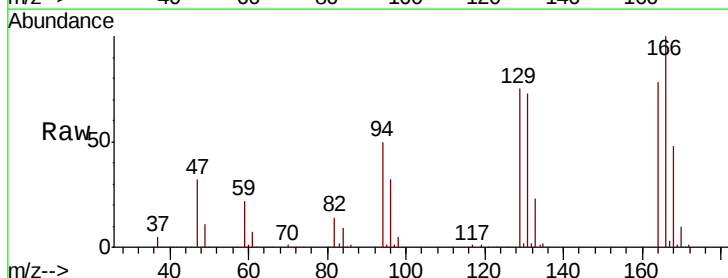
Ion Ratio Lower Upper

164 100

129 96.1 68.1 126.5

131 93.7 65.9 122.5

166 128.4 89.7 166.7



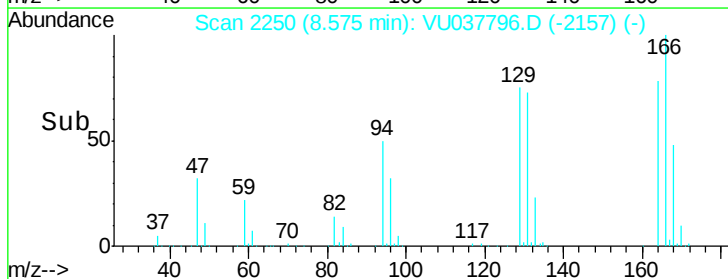
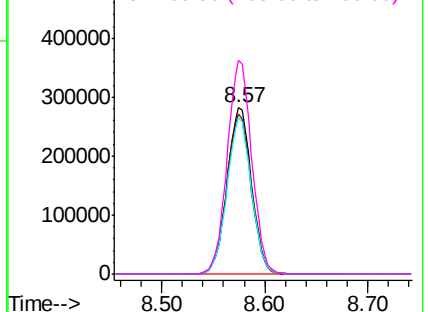
Abundance

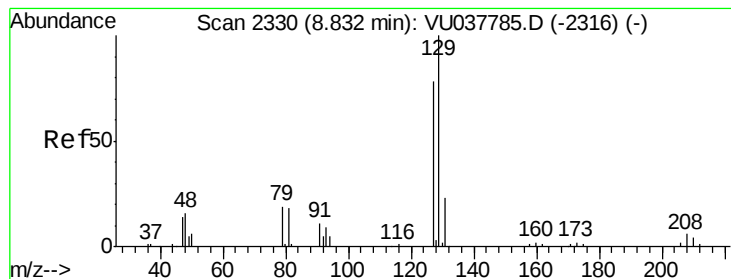
Ion 163.90 (163.60 to 164.60): V

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: 24.842 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037796.D

Acq: 18 Apr 2020 01:30

Instrument :

MSVOA_U

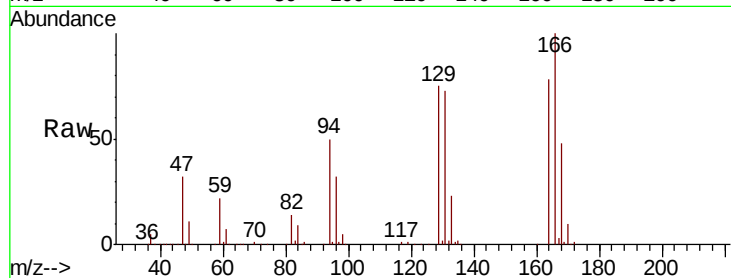
ClientSampleId :

Tot Ion:129 Resp: 445492

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

250000

200000

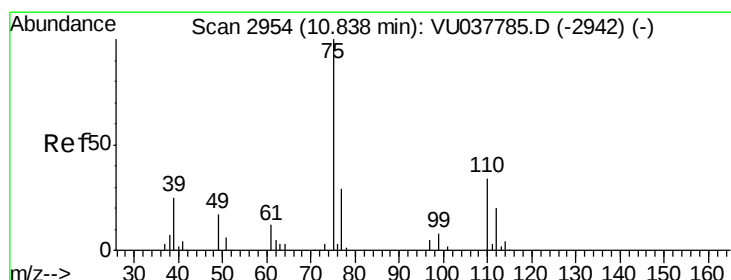
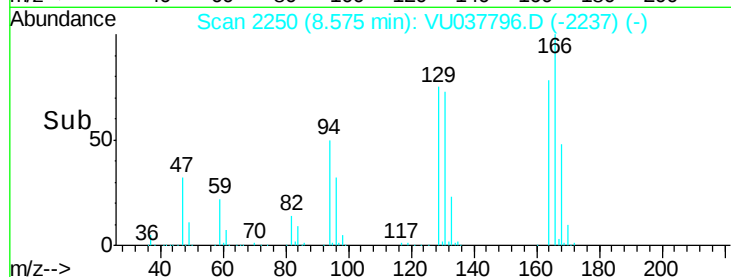
150000

100000

50000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 1.140 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037796.D

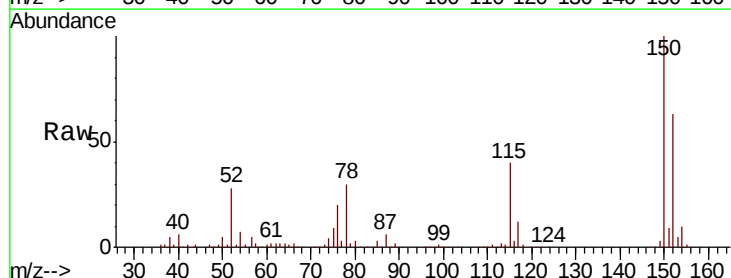
Acq: 18 Apr 2020 01:30

Tgt Ion: 75 Resp: 17375

Ion Ratio Lower Upper

75 100

77 37.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

12000

10000

8000

6000

4000

2000

0

Time--> 11.75 11.80 11.85

