

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037798.D
 Acq On : 18 Apr 2020 02:19
 Operator : JC/MD
 Sample : L2319-10
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 05:24:47 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	273974	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	260041	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	118351	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76159	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	1.93	69	72619	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.59	63	106498	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.66	46	303684	53.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.68%
24) Chloroform-d	5.11	84	155178	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.74	65	93344	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.76	84	313996	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.72	67	109457	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.92	98	281553	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.20	79	42875	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.65	63	254477	48.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.80%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	86225	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	99382	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

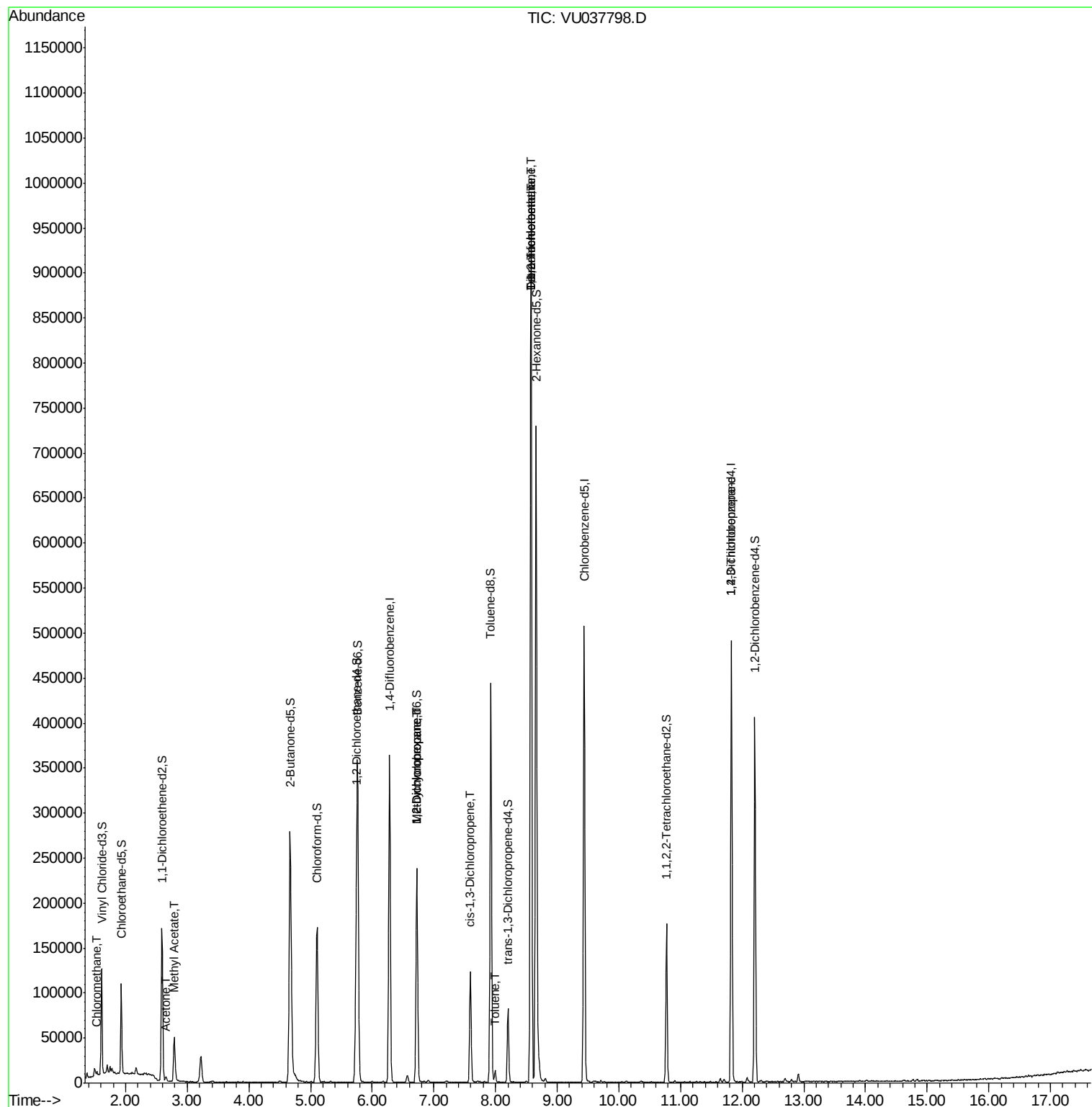
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.54	50	2659	0.090	ug/L	100
13) Acetone	2.66	43	6149	1.638	ug/L	96
15) Methyl Acetate	2.79	43	11859	1.136	ug/L #	54
35) Methylcyclohexane	6.72	83	23944	0.647	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12342	0.542	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2788	0.078	ug/L #	56
42) Toluene	7.99	91	8304	0.092	ug/L	97
45) 1,1,2-Trichloroethane	8.57	97	1945	0.127	ug/L #	1
47) Tetrachloroethene	8.57	164	208870	13.766	ug/L	99
49) Dibromochloromethane	8.57	129	196873	11.219	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	16261	1.090	ug/L	93

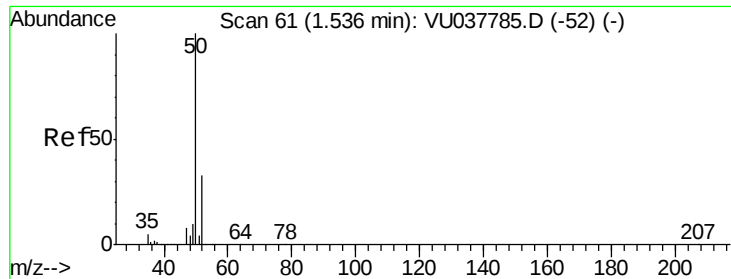
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
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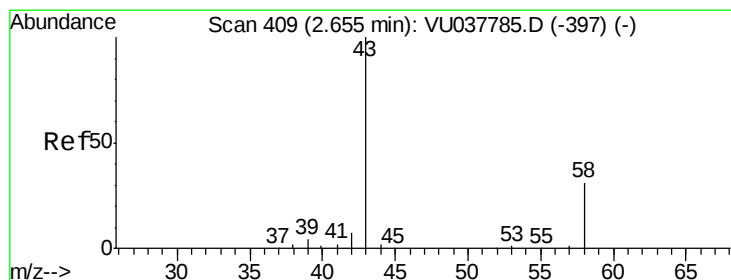
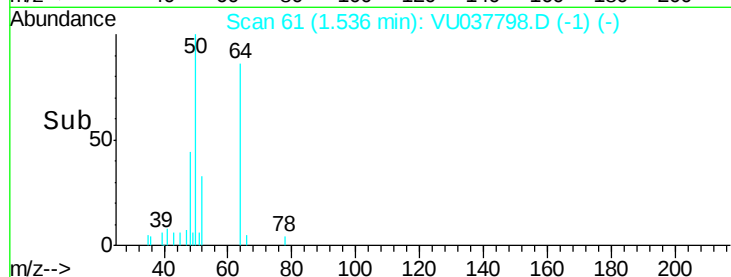
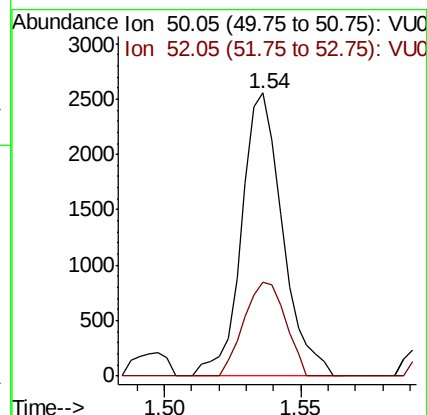
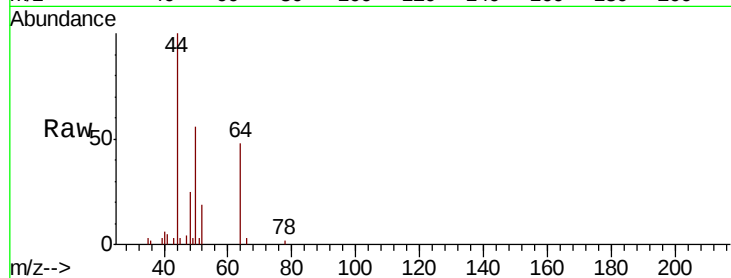




#3
Chloromethane
Concen: 0.090 ug/L
RT: 1.54 min Scan# 61
Delta R.T. -0.00 min
Lab File: VU037798.D
Acq: 18 Apr 2020 02:19

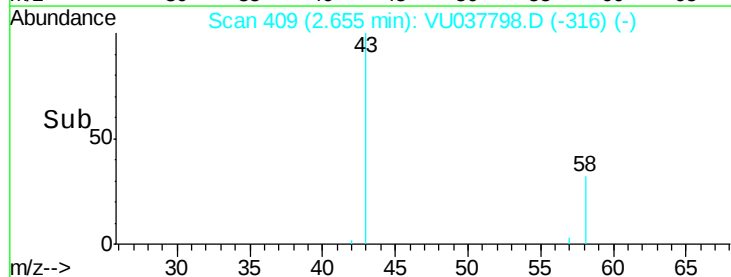
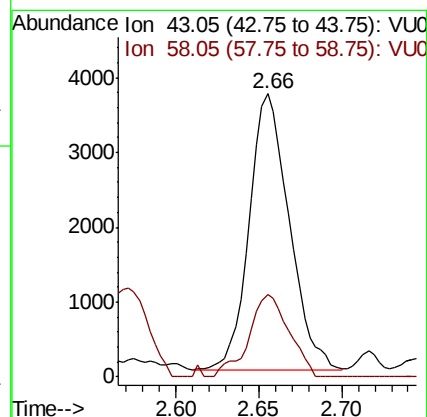
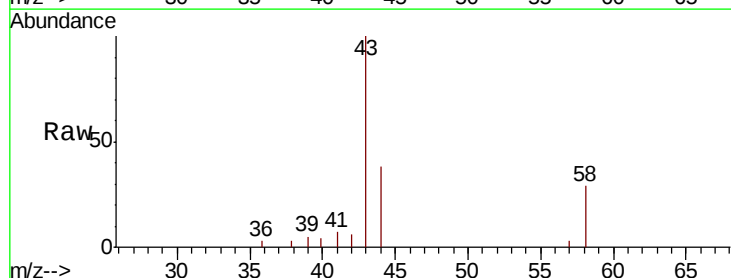
Instrument :
MSVOA_U
ClientSampleId :

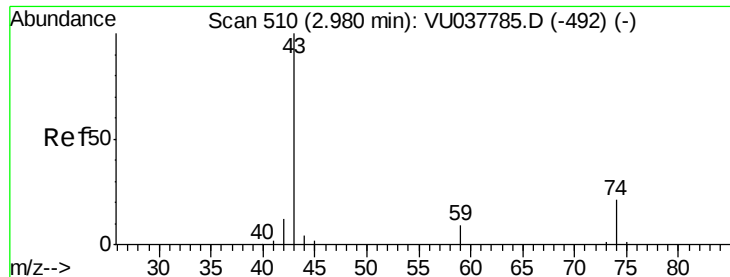
Tot Ion: 50 Resp: 2659
Ion Ratio Lower Upper
50 100
52 33.1 23.0 42.6



#13
Acetone
Concen: 1.638 ug/L
RT: 2.66 min Scan# 409
Delta R.T. -0.00 min
Lab File: VU037798.D
Acq: 18 Apr 2020 02:19

Tgt Ion: 43 Resp: 6149
Ion Ratio Lower Upper
43 100
58 30.1 0.0 64.8





#15

Methvl Acetate

Concen: 1.136 ug/L

RT: 2.79 min Scan# 450

Delta R.T. -0.19 min

Lab File: VU037798.D

Acq: 18 Apr 2020 02:19

Instrument :

MSVOA_U

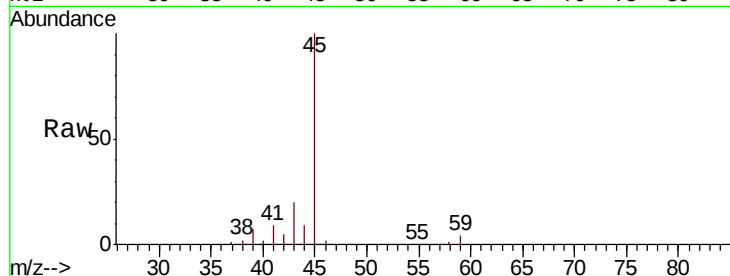
ClientSampleId :

Tot Ion: 43 Resp: 11859

Ion Ratio Lower Upper

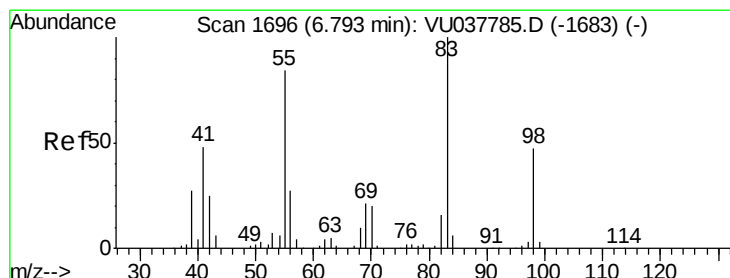
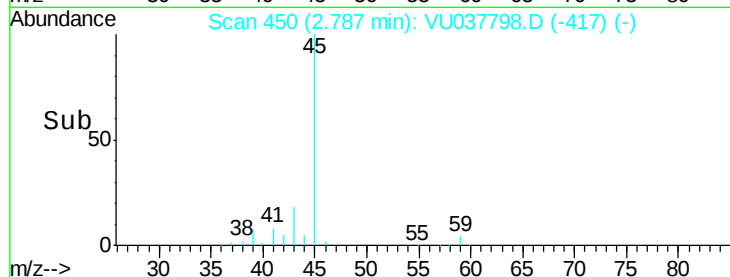
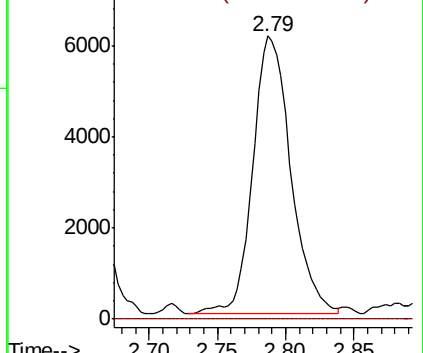
43 100

74 0.0 17.2 25.8#



Abundance Ion 43.05 (42.75 to 43.75): VU037798.D (-417) (-)

Ion 74.05 (73.75 to 74.75): VU037798.D (-417) (-)



#35

Methylcyclohexane

Concen: 0.647 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037798.D

Acq: 18 Apr 2020 02:19

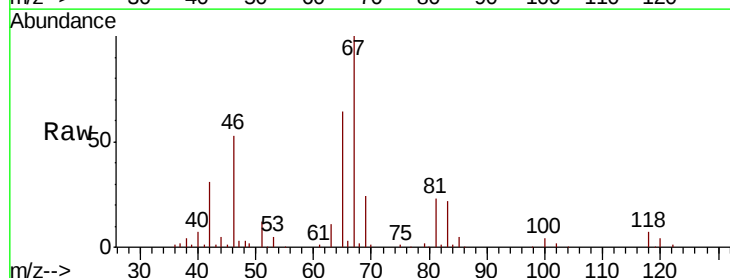
Tgt Ion: 83 Resp: 23944

Ion Ratio Lower Upper

83 100

55 0.6 65.5 98.3#

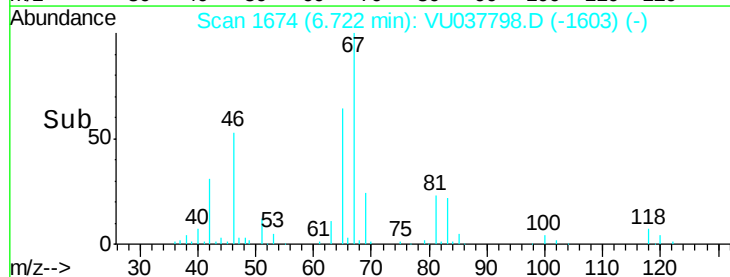
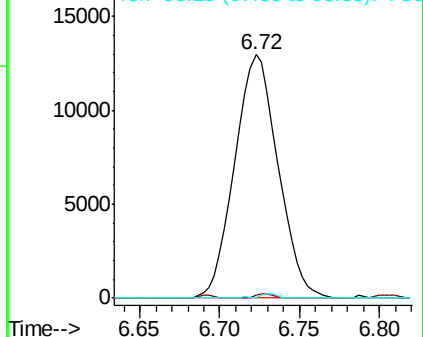
98 0.6 38.2 57.4#

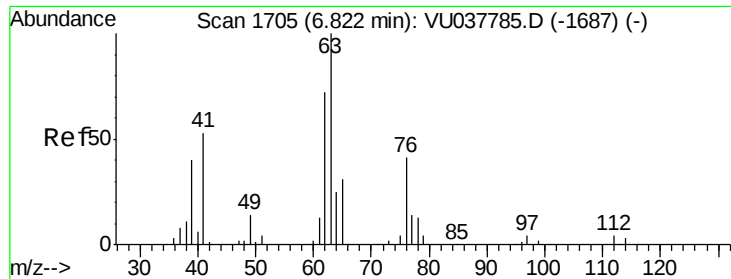


Abundance Ion 83.15 (82.85 to 83.85): VU037798.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU037798.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU037798.D (-1603) (-)

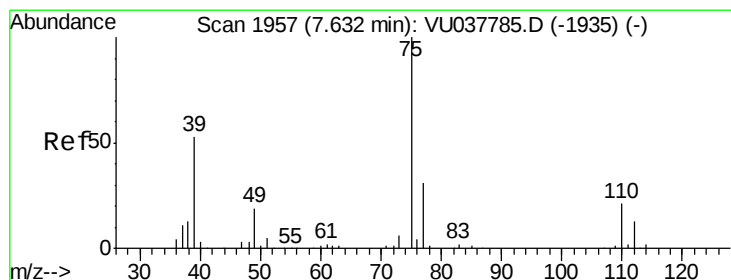
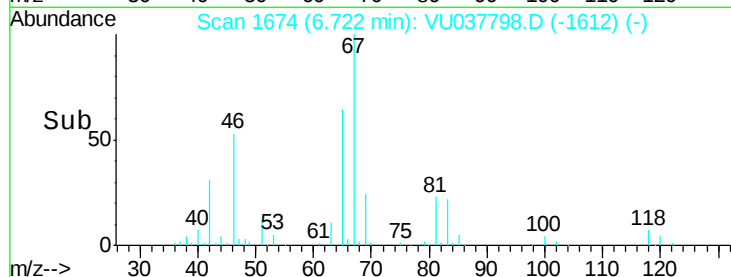
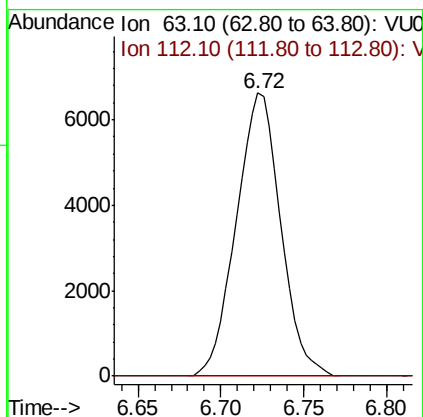
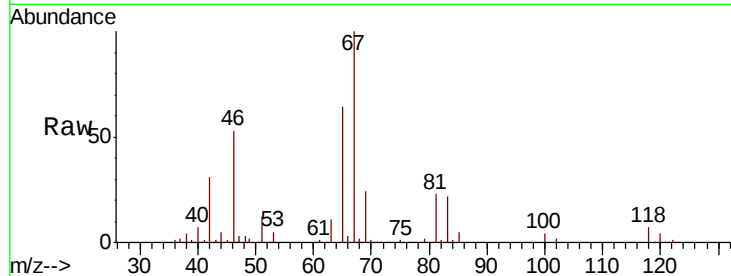




#37
 1,2-Dichloropropane
 Concen: 0.542 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037798.D
 Acq: 18 Apr 2020 02:19

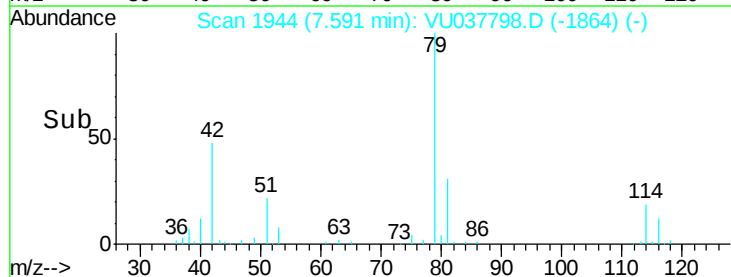
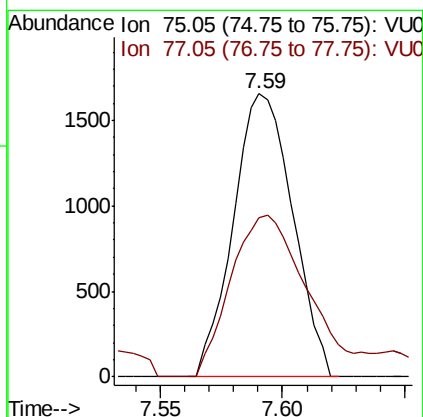
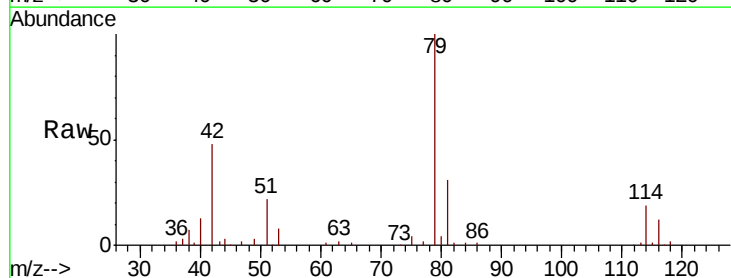
Instrument :
 MSVOA_U
 ClientSampleId :

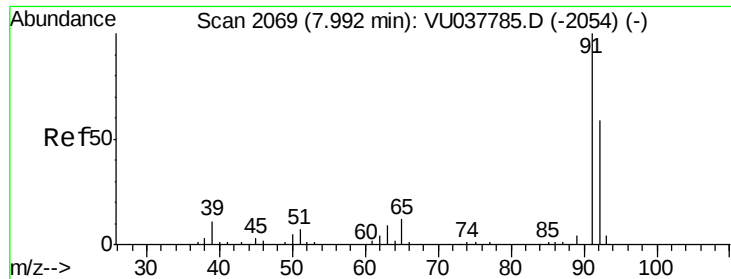
Tot Ion: 63 Resp: 12342
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037798.D
 Acq: 18 Apr 2020 02:19

Tgt Ion: 75 Resp: 2788
 Ion Ratio Lower Upper
 75 100
 77 56.2 22.2 41.2#





#42

Toluene

Concen: 0.092 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037798.D

Acq: 18 Apr 2020 02:19

Instrument :

MSVOA_U

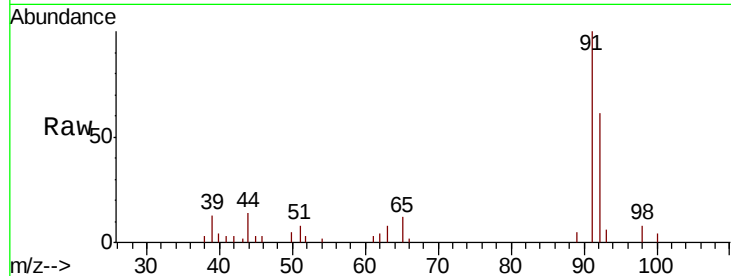
ClientSampled :

Tot Ion: 91 Resp: 8304

Ion Ratio Lower Upper

91 100

92 60.9 41.1 76.3

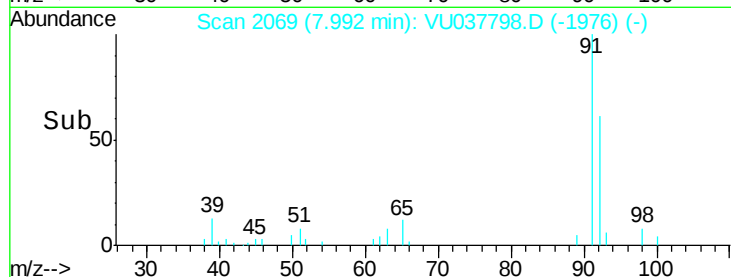


Abundance Ion 91.15 (90.85 to 91.85): VU037785.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU037785.D (-2054) (-)

7.99

Time-->



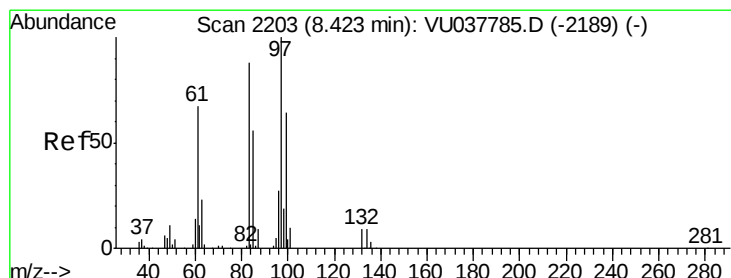
Abundance

Ion 91.15 (90.85 to 91.85): VU037798.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU037798.D (-1976) (-)

7.99

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.127 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.15 min

Lab File: VU037798.D

Acq: 18 Apr 2020 02:19

Tgt Ion: 97 Resp: 1945

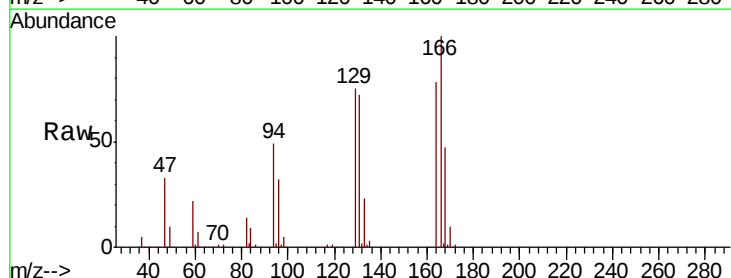
Ion Ratio Lower Upper

97 100

99 19.0 43.1 80.1#

83 283.9 62.4 116.0#

85 33.7 39.6 73.6#



Abundance Ion 96.95 (96.65 to 97.65): VU037785.D (-2189) (-)

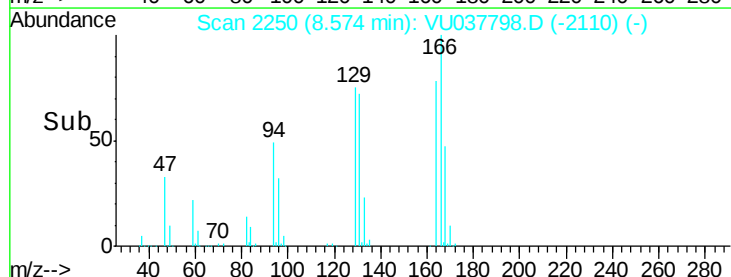
Ion 99.05 (98.75 to 99.75): VU037785.D (-2189) (-)

Ion 82.95 (82.65 to 83.65): VU037785.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU037785.D (-2189) (-)

8.57

Time-->



Abundance

Ion 96.95 (96.65 to 97.65): VU037798.D (-2110) (-)

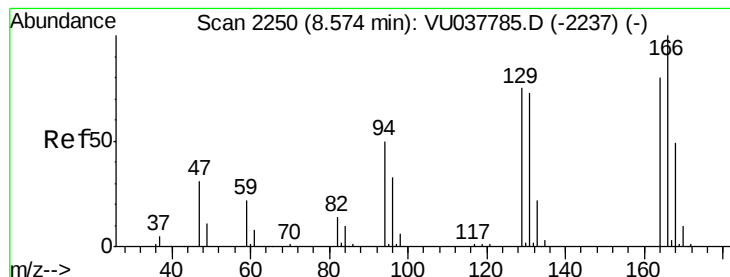
Ion 99.05 (98.75 to 99.75): VU037798.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU037798.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU037798.D (-2110) (-)

8.57

Time-->



#47

Tetrachloroethene

Concen: 13.766 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037798.D

Acq: 18 Apr 2020 02:19

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:164 Resp: 208870

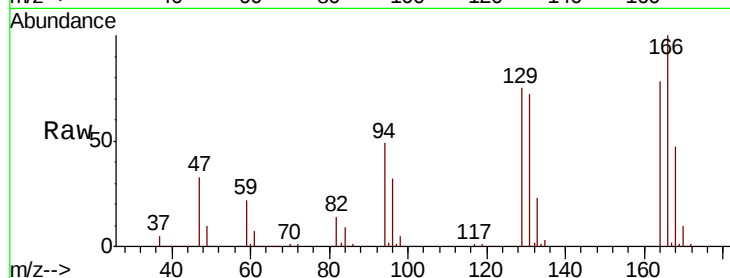
Ion Ratio Lower Upper

164 100

129 95.4 68.1 126.5

131 92.6 65.9 122.5

166 127.8 89.7 166.7

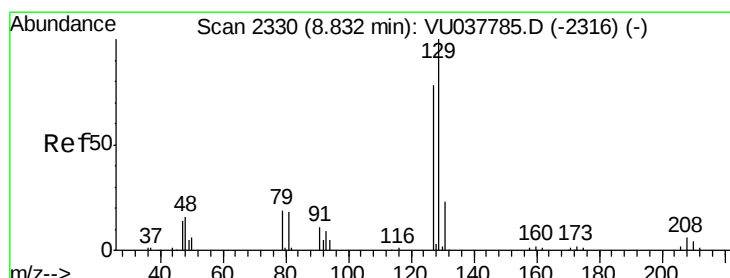
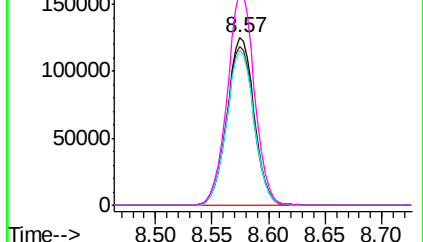
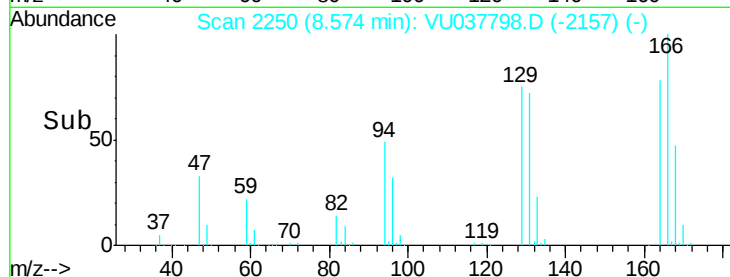


Abundance Ion 163.90 (163.60 to 164.60): V

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: 11.219 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037798.D

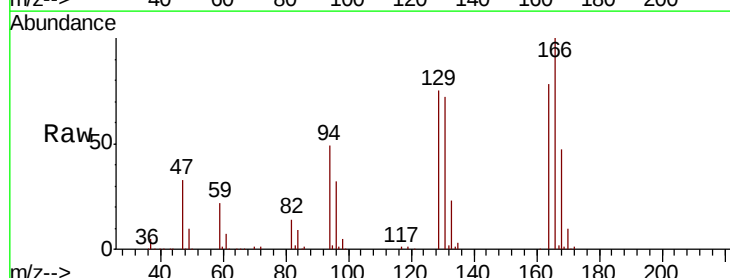
Acq: 18 Apr 2020 02:19

Tgt Ion:129 Resp: 196873

Ion Ratio Lower Upper

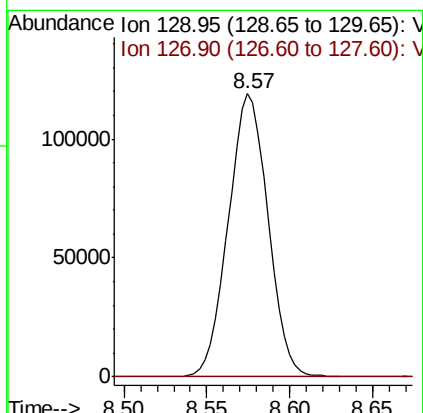
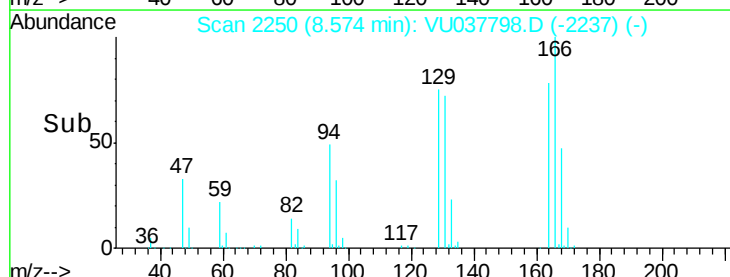
129 100

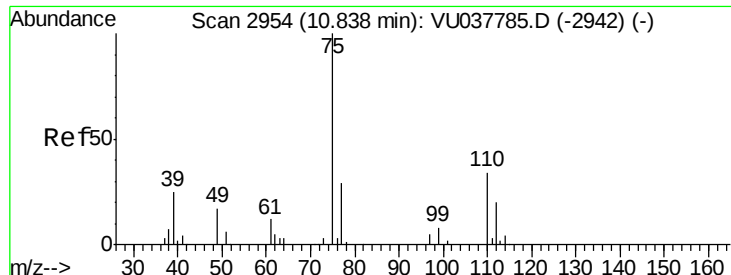
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.090 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037798.D

Acq: 18 Apr 2020 02:19

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 16261

Ion Ratio Lower Upper

75 100

77 35.9 25.4 38.2

