

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038219.D
 Acq On : 18 May 2020 14:48
 Operator : JC/MD
 Sample : L2657-08DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 18 22:26:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 22:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	362191	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	348472	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	165927	5.00	ug/L	0.00

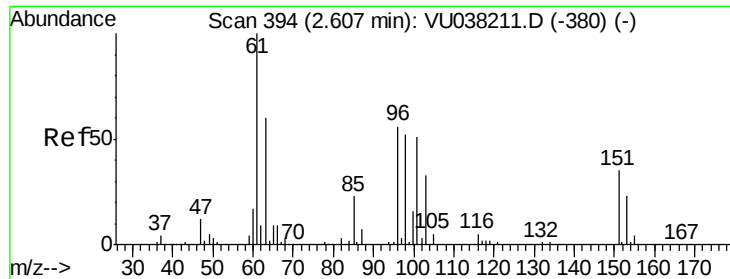
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123842	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.92	69	108842	3.80	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.00%
11) 1,1-Dichloroethene-d2	2.58	63	147687	2.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.40%#
20) 2-Butanone-d5	4.67	46	433661	53.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.10%
24) Chloroform-d	5.10	84	216846	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.74	65	135428	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.76	84	444745	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.72	67	151228	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.92	98	379583	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.20	79	56581	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.66	63	344003	53.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.92%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	130141	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	153148	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1800	0.072	ug/L #	1
16) Methylene chloride	3.07	84	2619	0.089	ug/L	95
22) cis-1,2-Dichloroethene	4.70	96	27014	0.914	ug/L	91
34) Trichloroethene	6.57	95	193403	6.930	ug/L	98
35) Methylcyclohexane	6.72	83	34307	0.759	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16050	0.530	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3728	0.086	ug/L #	74
47) Tetrachloroethene	8.57	164	92345	4.730	ug/L	97
48) 2-Hexanone	8.72	43	17556	1.141	ug/L	96
49) Dibromochloromethane	8.57	129	88926	4.071	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	22576	1.110	ug/L	89

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



#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038219.D

Acq: 18 May 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

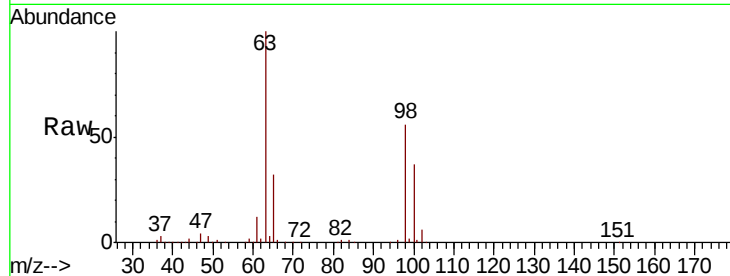
Tot Ion: 96 Resp: 1800

Ion Ratio Lower Upper

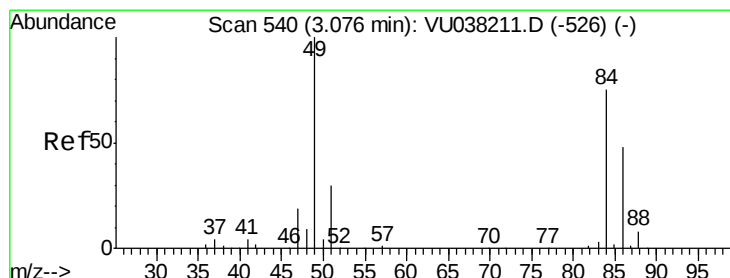
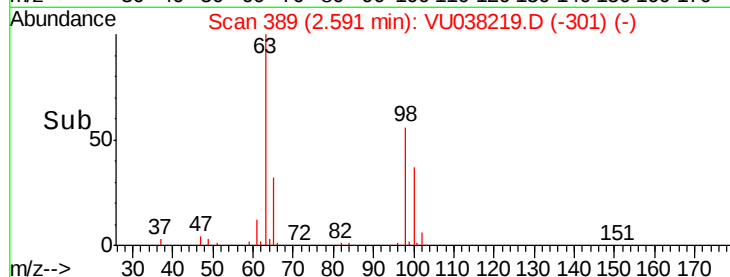
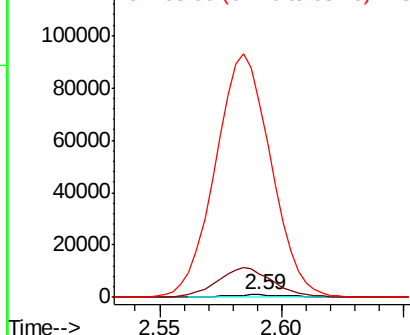
96 100

61 866.7 126.2 234.4#

63 7126.2 96.9 179.9#



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



#16

Methylene chloride

Concen: 0.089 ug/L

RT: 3.07 min Scan# 538

Delta R.T. -0.01 min

Lab File: VU038219.D

Acq: 18 May 2020 14:48

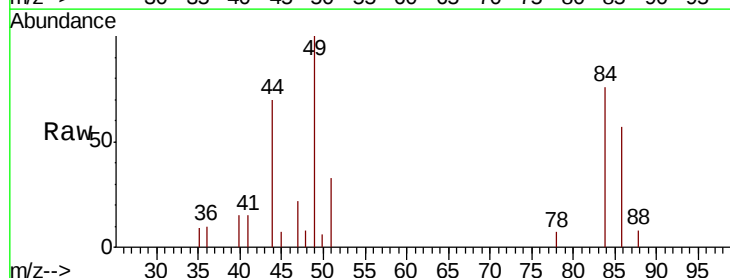
Tgt Ion: 84 Resp: 2619

Ion Ratio Lower Upper

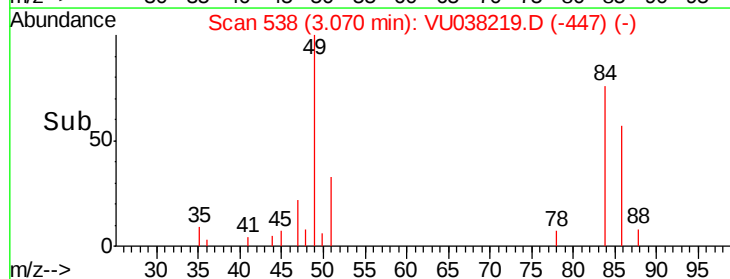
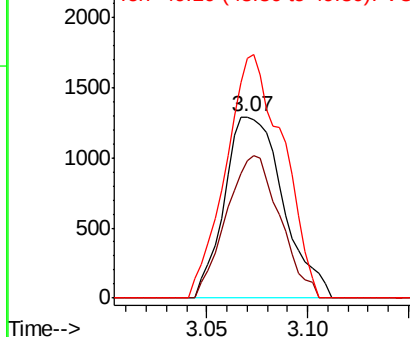
84 100

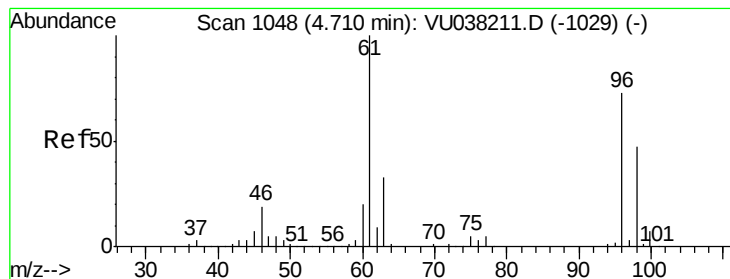
86 75.7 44.9 83.3

49 131.8 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.914 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.01 min

Lab File: VU038219.D

Acq: 18 May 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

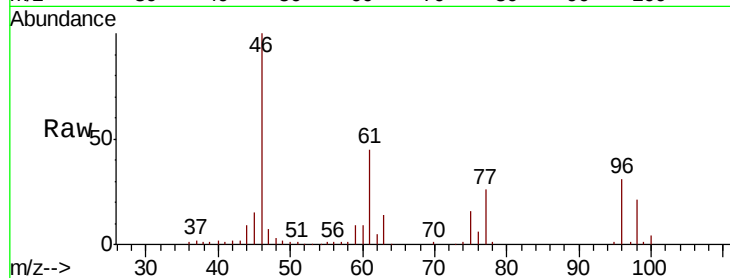
Tot Ion: 96 Resp: 27014

Ion Ratio Lower Upper

96 100

61 147.0 95.3 176.9

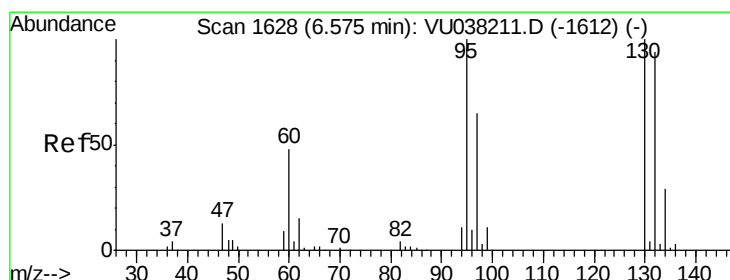
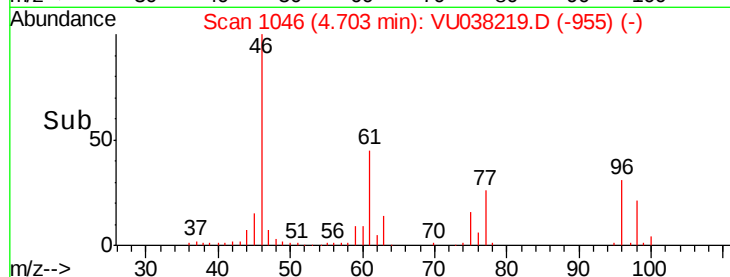
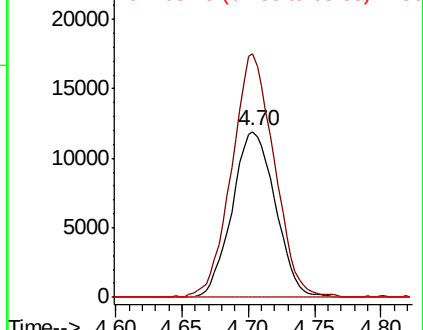
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038219.D (-1535) (-)

Ion 61.05 (60.75 to 61.75): VU038219.D (-1535) (-)

Ion 68.15 (67.85 to 68.85): VU038219.D (-1535) (-)



#34

Trichloroethene

Concen: 6.930 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038219.D

Acq: 18 May 2020 14:48

Tgt Ion: 95 Resp: 193403

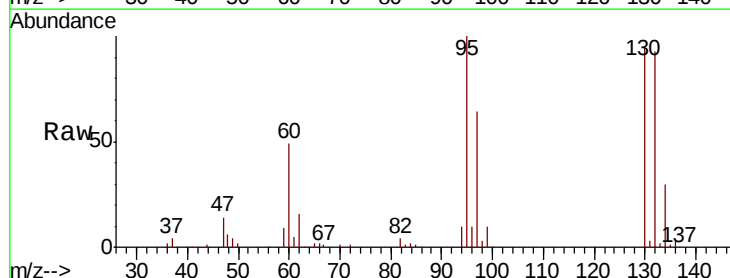
Ion Ratio Lower Upper

95 100

97 63.9 44.9 83.3

132 93.3 63.3 117.5

130 95.5 65.7 122.1

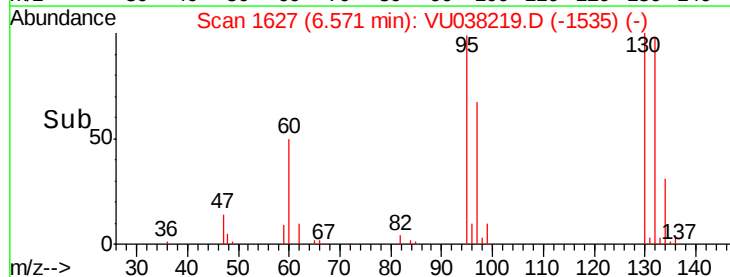
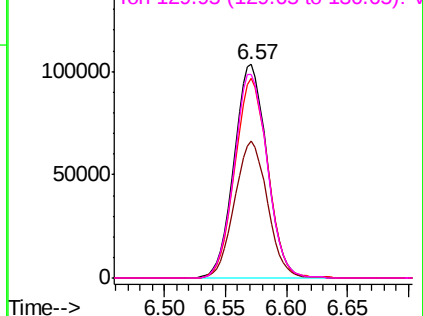


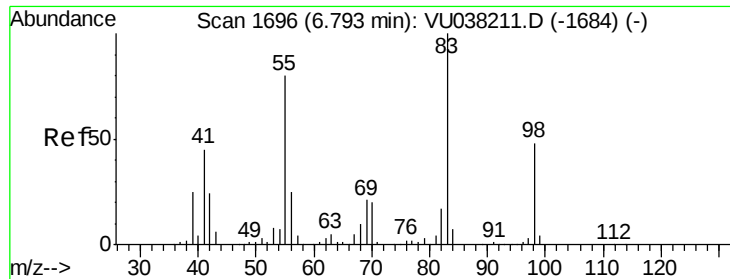
Abundance Ion 95.00 (94.70 to 95.70): VU038219.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU038219.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU038219.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU038219.D (-1535) (-)

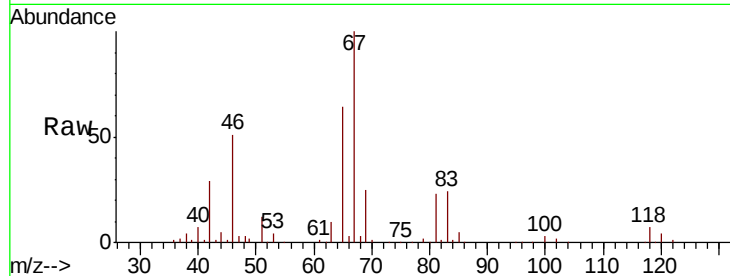




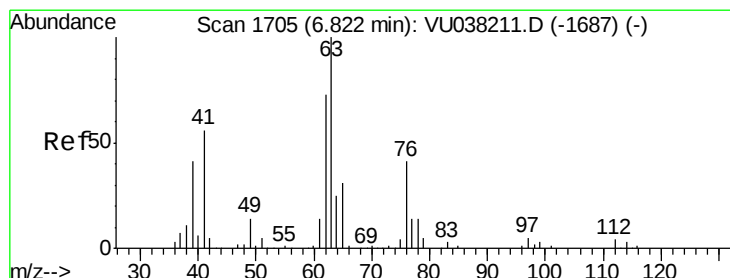
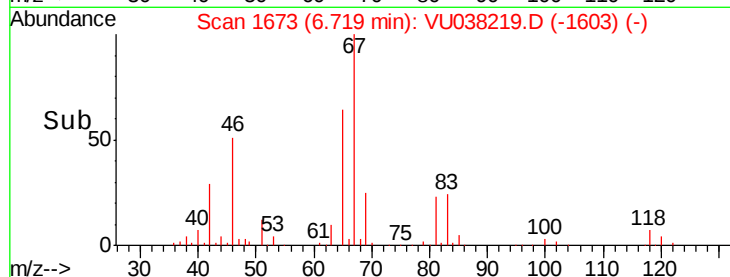
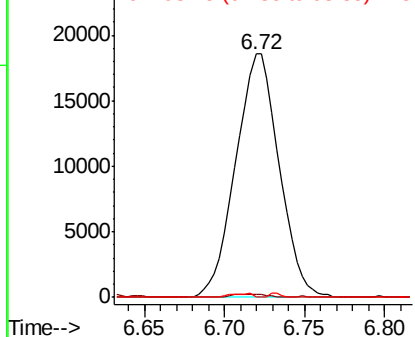
#35
Methvlcvclohexane
Concen: 0.759 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038219.D
Acq: 18 May 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 34307
Ion Ratio Lower Upper
83 100
55 0.9 66.7 100.1#
98 0.7 39.4 59.2#

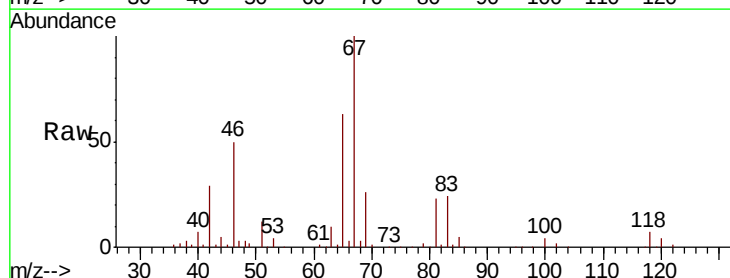


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

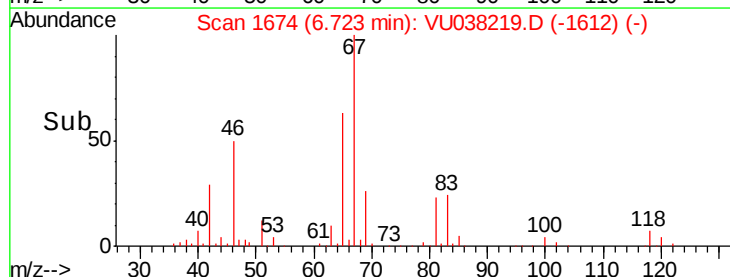
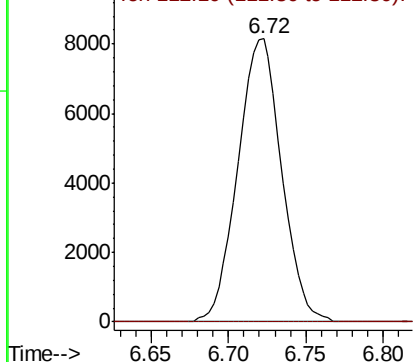


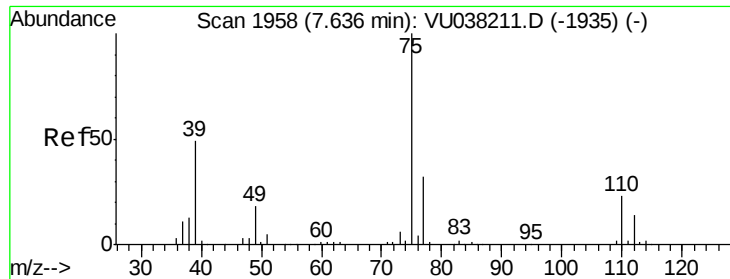
#37
1,2-Dichloropropane
Concen: 0.530 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038219.D
Acq: 18 May 2020 14:48

Tgt Ion: 63 Resp: 16050
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

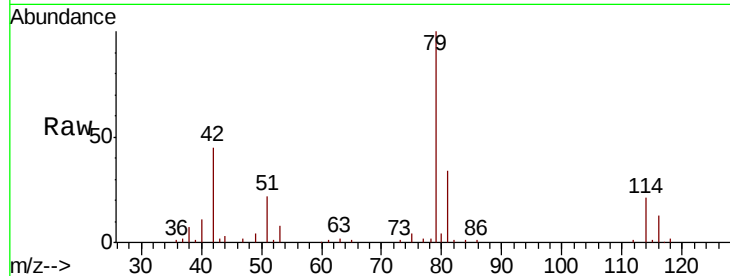




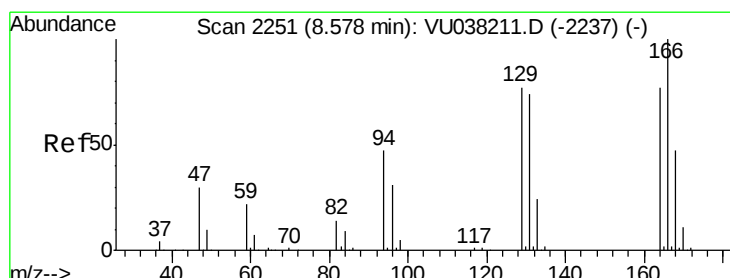
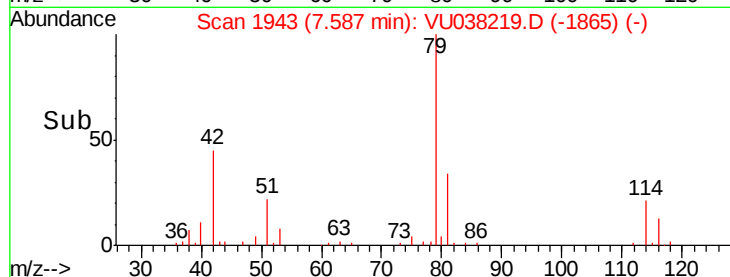
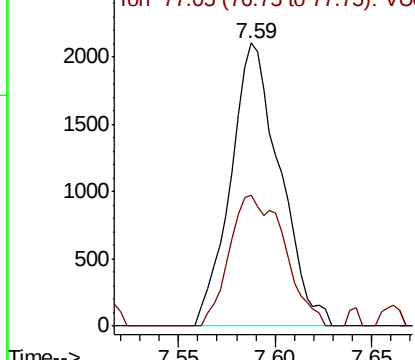
#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038219.D
 Acq: 18 May 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 3728
 Ion Ratio Lower Upper
 75 100
 77 46.5 22.4 41.6#

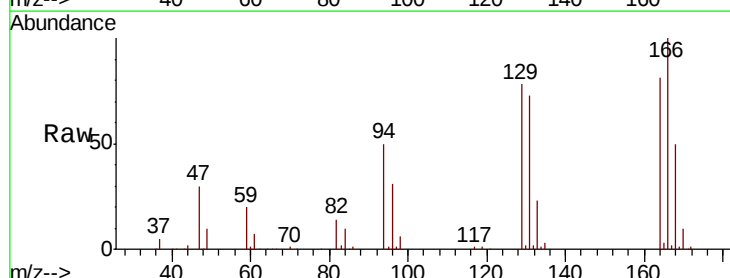


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

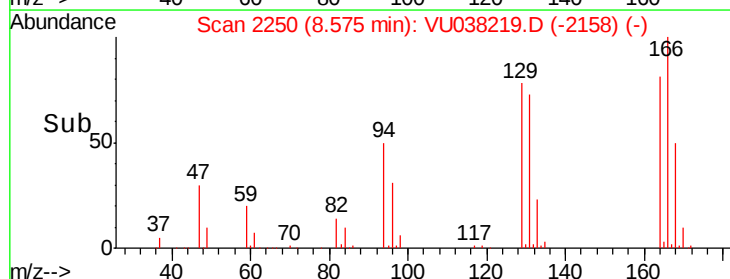
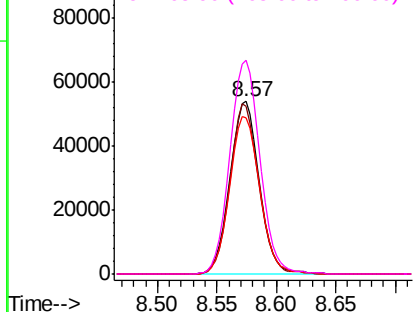


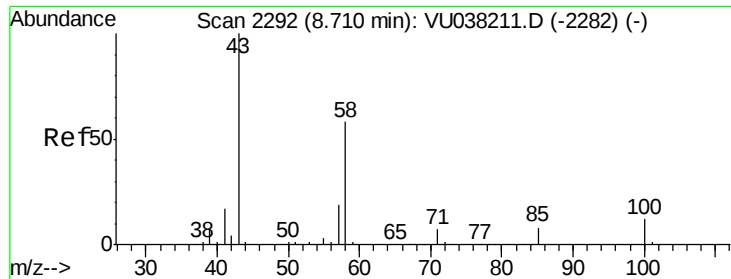
#47
 Tetrachloroethene
 Concen: 4.730 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038219.D
 Acq: 18 May 2020 14:48

Tgt Ion: 164 Resp: 92345
 Ion Ratio Lower Upper
 164 100
 129 96.9 68.8 127.8
 131 90.8 66.8 124.2
 166 123.6 88.9 165.1



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

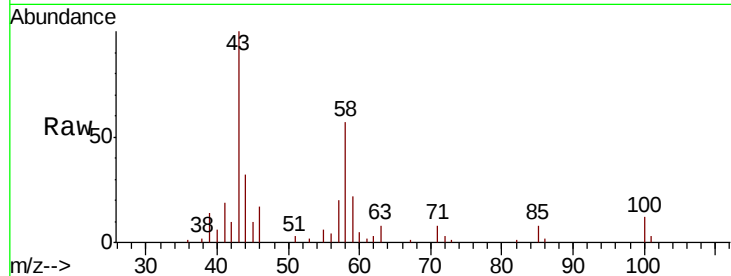




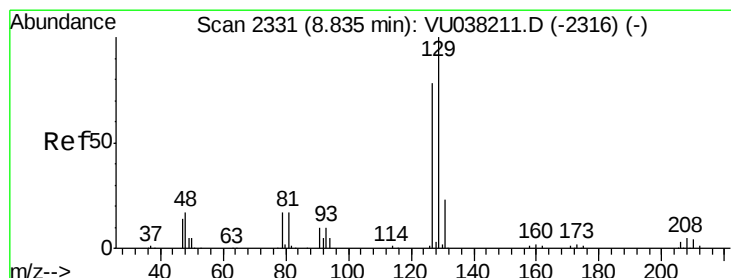
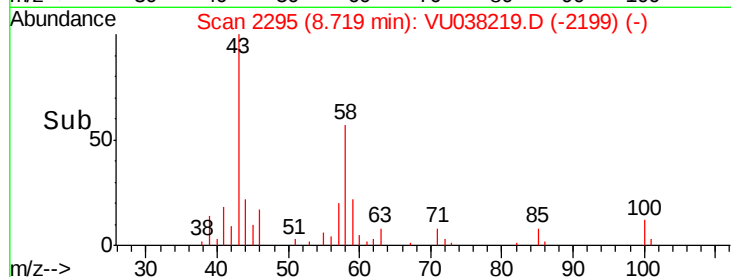
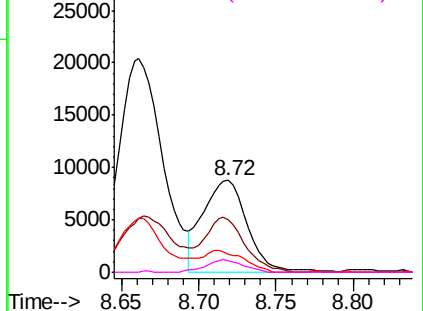
#48
2-Hexanone
Concen: 1.141 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VU038219.D
Acq: 18 May 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	17556
Ion	Ratio	Lower	Upper
43	100		
58	52.9	45.2	67.8
57	20.2	15.5	23.3
100	11.3	9.5	14.3

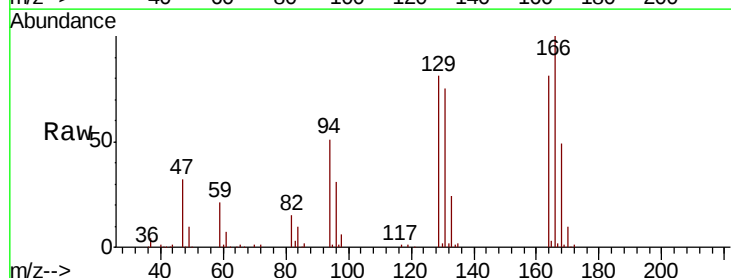


Abundance Ion 43.05 (42.75 to 43.75): VU038219.D (-2292) (-)
Ion 58.05 (57.75 to 58.75): VU038219.D (-2292) (-)
Ion 57.20 (56.90 to 57.90): VU038219.D (-2292) (-)
Ion 100.15 (99.85 to 100.85): VU038219.D (-2292) (-)

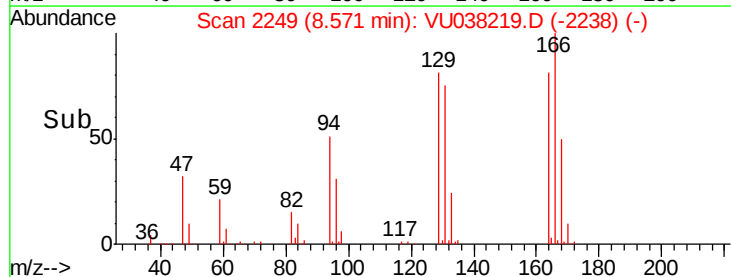
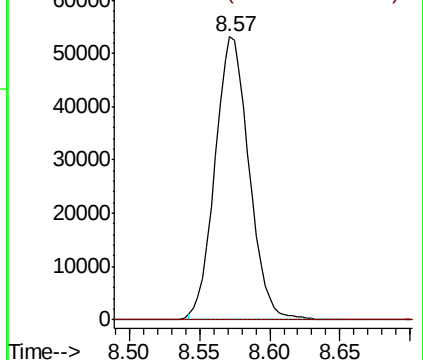


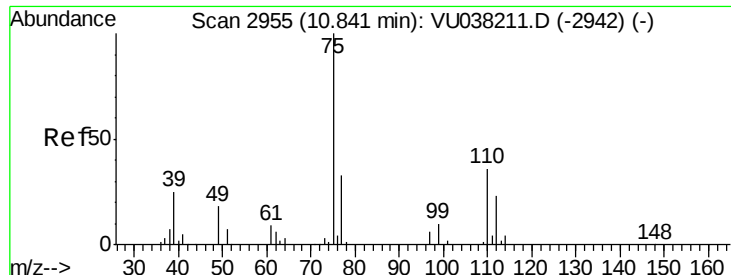
#49
Dibromochloromethane
Concen: 4.071 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU038219.D
Acq: 18 May 2020 14:48

Tgt Ion:	129	Resp:	88926
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#



Abundance Ion 128.95 (128.65 to 129.65): VU038219.D (-2249) (-)
Ion 126.90 (126.60 to 127.60): VU038219.D (-2249) (-)





#59

1,2,3-Trichloropropane

Concen: 1.110 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038219.D

Acq: 18 May 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 22576

Ion Ratio Lower Upper

75 100

77 37.8 25.4 38.0

