

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038235.D
 Acq On : 19 May 2020 15:22
 Operator : JC/MD
 Sample : L2657-07DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 20 01:27:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	356772	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	344808	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	169355	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121871	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.93	69	121216	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.58	63	156183	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	4.67	46	495985	61.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.20%
24) Chloroform-d	5.10	84	229289	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.74	65	143994	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.76	84	467940	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.72	67	163728	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.92	98	395190	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	8.20	79	59801	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.66	63	397385	63.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.00%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	145642	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	161925	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	3893	0.119 ug/L	92
9) Trichlorofluoromethane	2.15	101	31992	0.812 ug/L	98
12) 1,1-Dichloroethene	2.60	96	10001	0.404 ug/L #	1
16) Methylene chloride	3.07	84	2439	0.085 ug/L	91
22) cis-1,2-Dichloroethene	4.70	96	22097	0.759 ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	2797	0.071 ug/L	98
34) Trichloroethene	6.57	95	227635	8.243 ug/L	97
35) Methylcyclohexane	6.72	83	35972	0.804 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16912	0.564 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3932	0.092 ug/L #	69
45) 1,1,2-Trichloroethane	8.57	97	2348	0.113 ug/L #	1
47) Tetrachloroethene	8.57	164	261152	13.519 ug/L	98
48) 2-Hexanone	8.72	43	17926	1.178 ug/L #	95
49) Dibromochloromethane	8.57	129	255126	11.803 ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	23045	1.145 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 20 01:25:15 2020
Response via : Initial Calibration

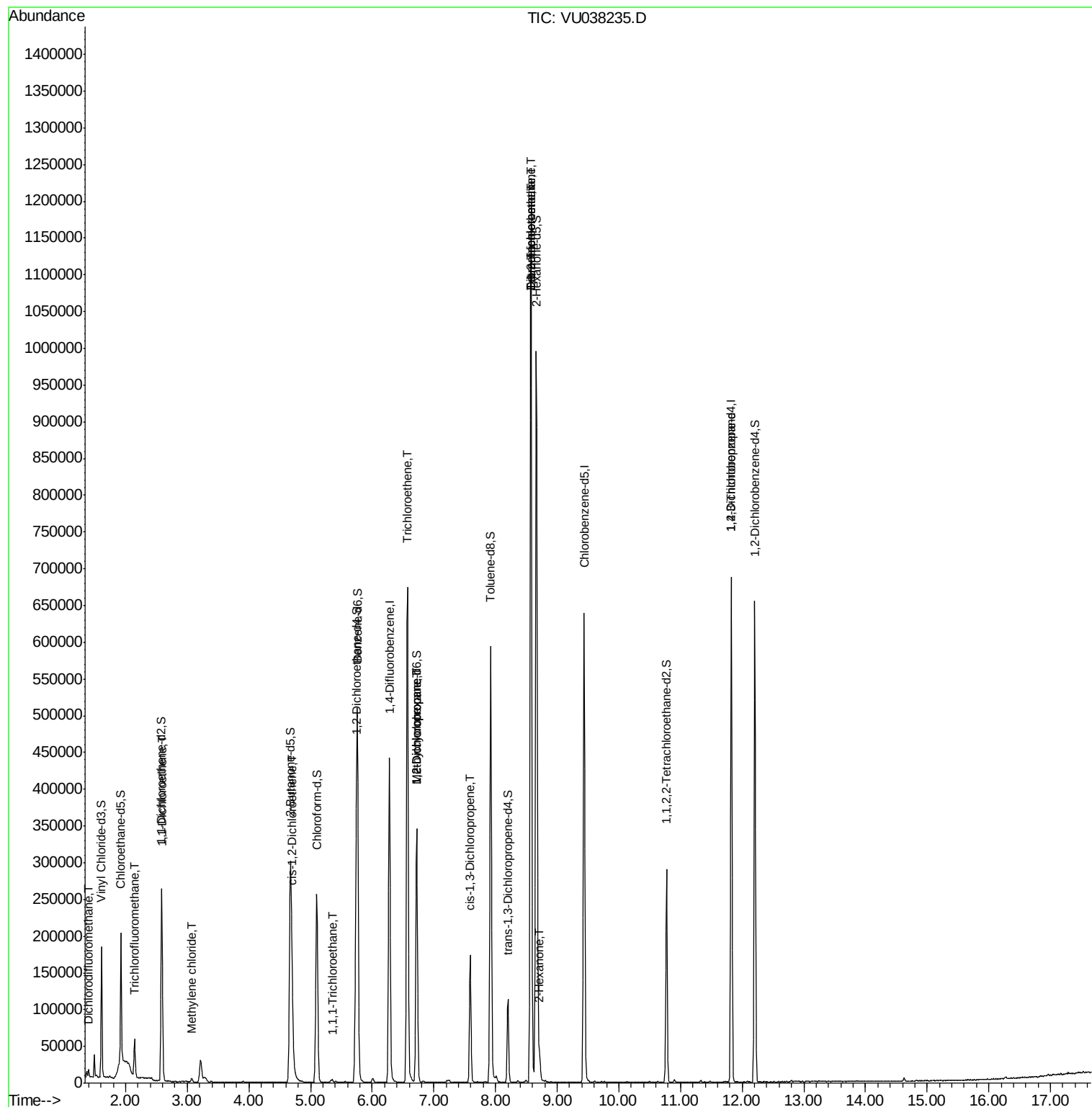
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

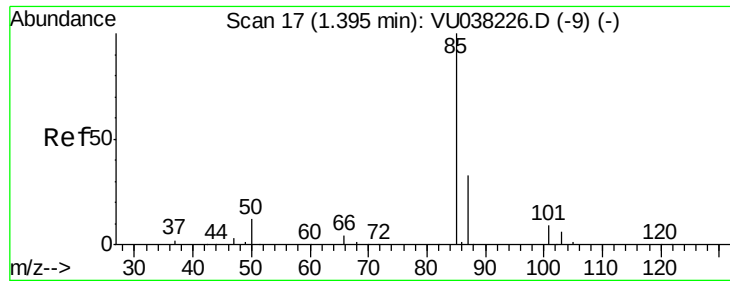
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#2

Dichlorodifluoromethane

Concen: 0.119 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

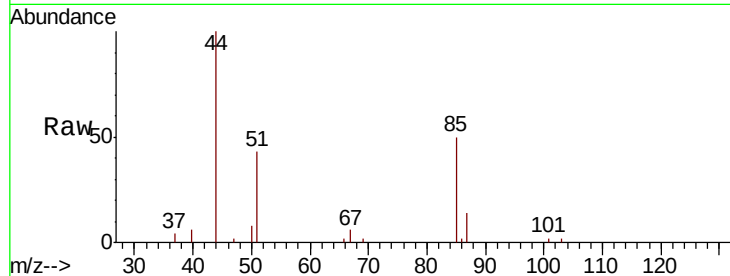
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 3893

Ion Ratio Lower Upper

85 100

87 28.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038226.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038226.D (-9) (-)

1.39

4000

3000

2000

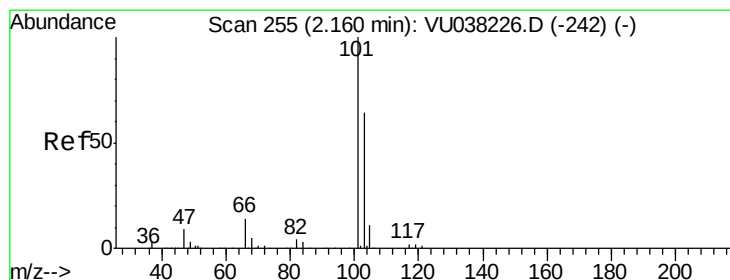
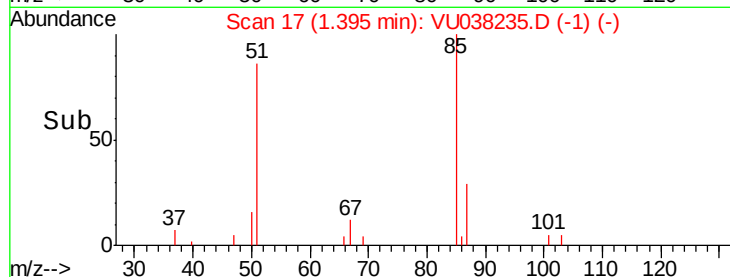
1000

0

1.35

1.40

Time-->



#9

Trichlorofluoromethane

Concen: 0.812 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.01 min

Lab File: VU038235.D

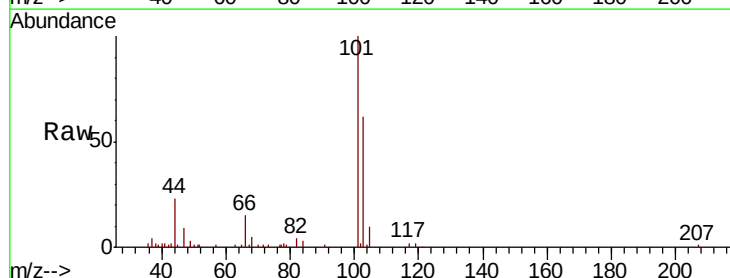
Acq: 19 May 2020 15:22

Tgt Ion: 101 Resp: 31992

Ion Ratio Lower Upper

101 100

103 65.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038226.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038226.D (-242) (-)

2.15

25000

20000

15000

10000

5000

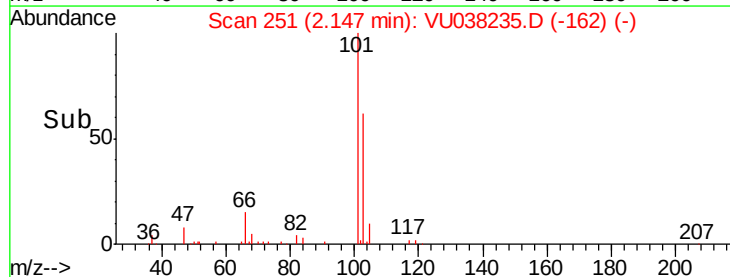
0

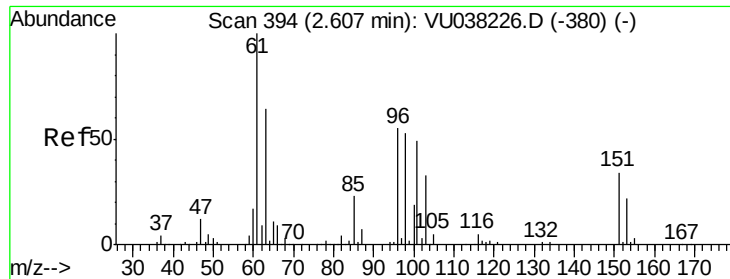
2.10

2.15

2.20

Time-->





#12

1,1-Dichloroethene

Concen: 0.404 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

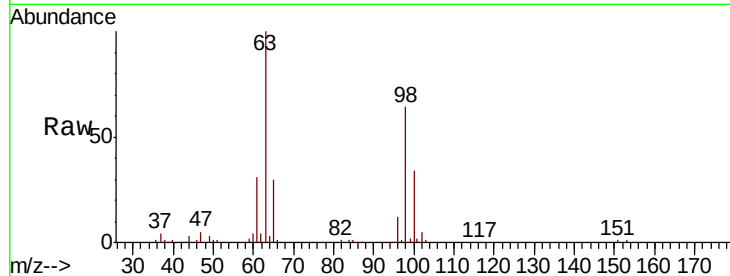
Tot Ion: 96 Resp: 10001

Ion Ratio Lower Upper

96 100

61 258.9 126.2 234.4#

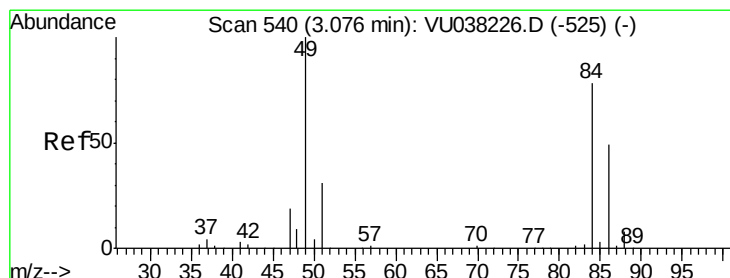
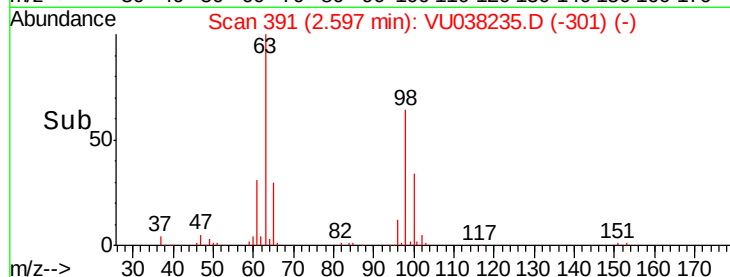
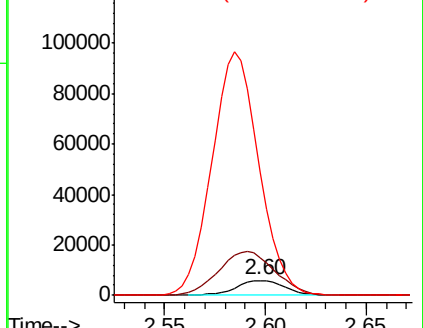
63 840.5 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038226.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU038226.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU038226.D (-380) (-)



#16

Methylene chloride

Concen: 0.085 ug/L

RT: 3.07 min Scan# 538

Delta R.T. -0.01 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

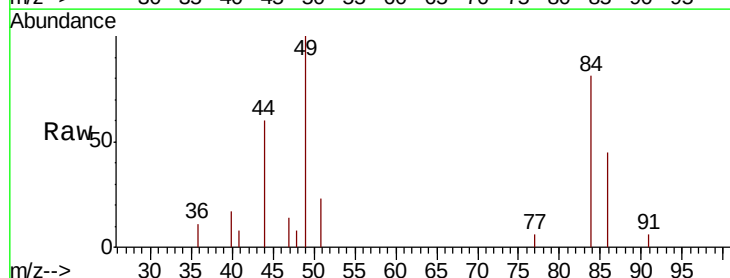
Tgt Ion: 84 Resp: 2439

Ion Ratio Lower Upper

84 100

86 55.1 44.9 83.3

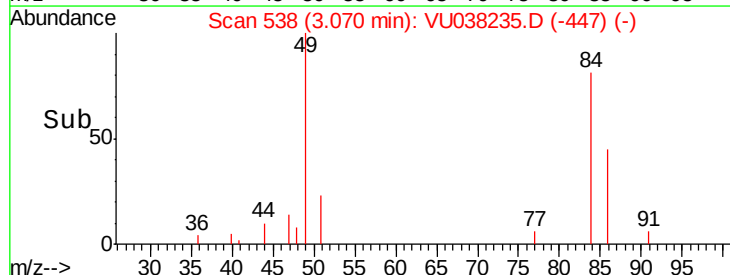
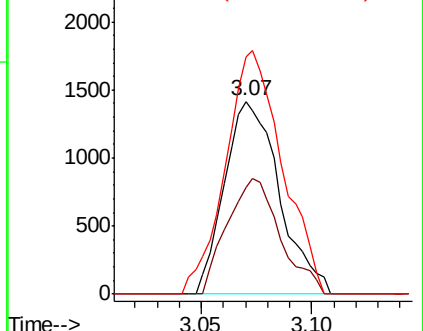
49 123.1 92.0 170.9

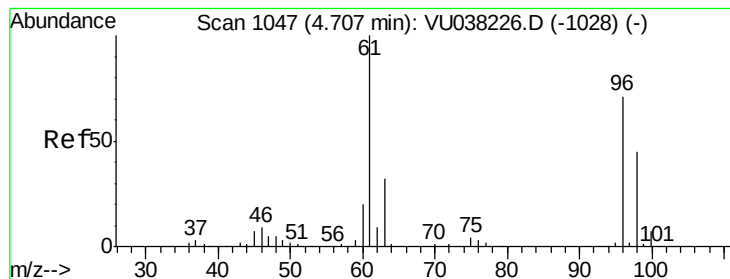


Abundance Ion 84.05 (83.75 to 84.75): VU038226.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038226.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038226.D (-525) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.759 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

Instrument :
MSVOA_U
ClientSampleId :

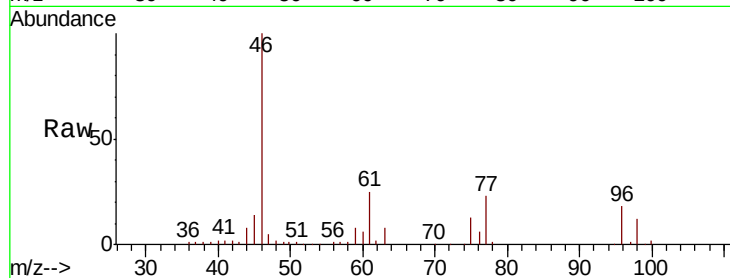
Tot Ion: 96 Resp: 22097

Ion Ratio Lower Upper

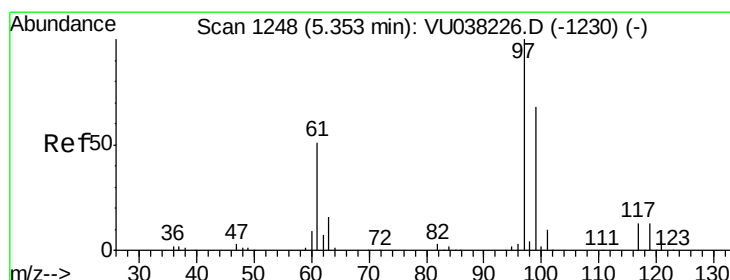
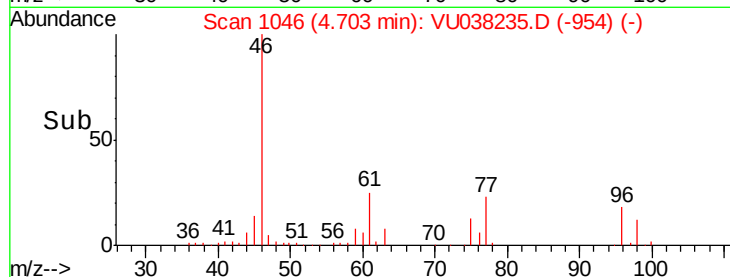
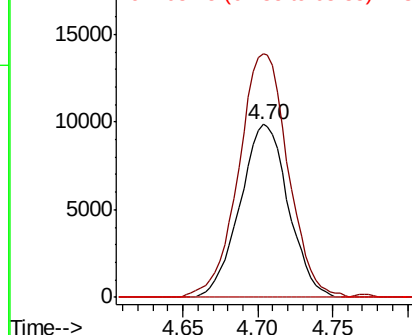
96 100

61 140.8 95.3 176.9

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



#29

1,1,1-Trichloroethane

Concen: 0.071 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

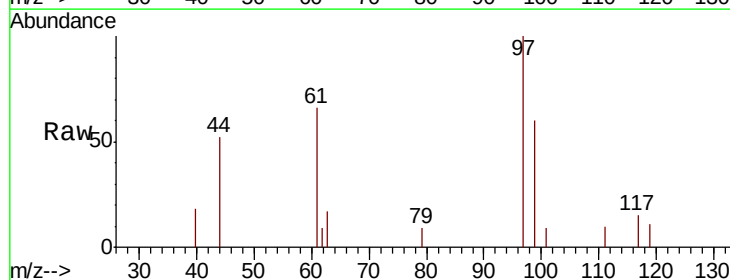
Tgt Ion: 97 Resp: 2797

Ion Ratio Lower Upper

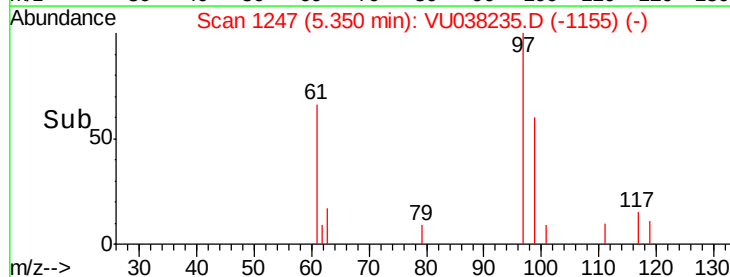
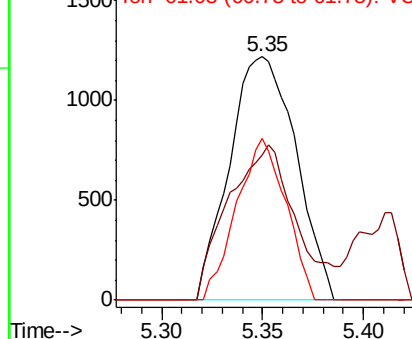
97 100

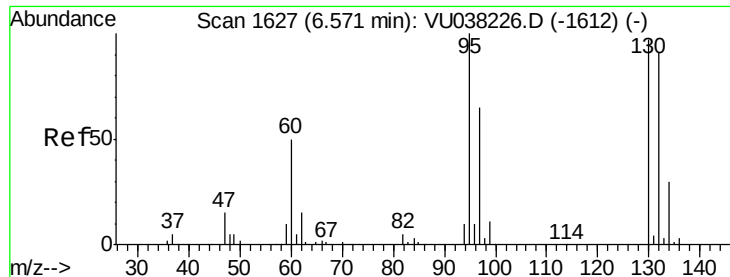
99 65.0 51.0 76.4

61 49.5 38.2 57.4



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





#34

Trichloroethene

Concen: 8.243 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 227635

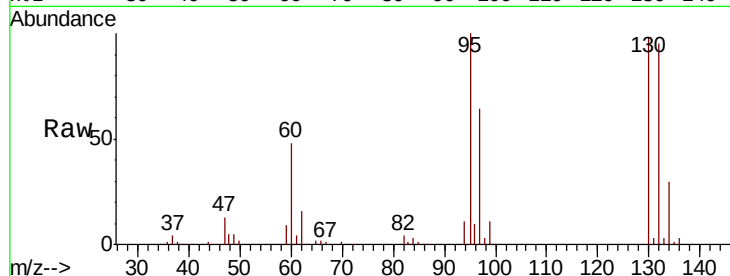
Ion Ratio Lower Upper

95 100

97 63.8 44.9 83.3

132 95.0 63.3 117.5

130 98.0 65.7 122.1

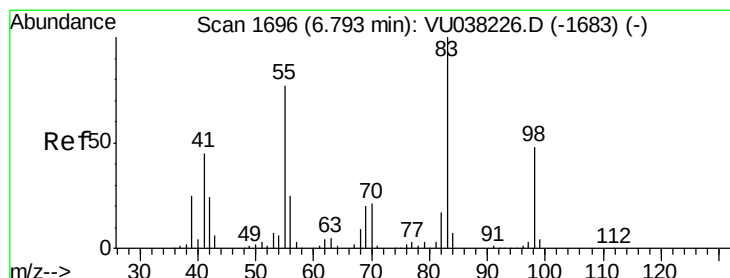
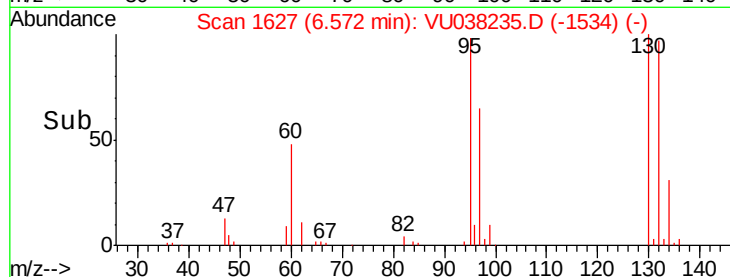
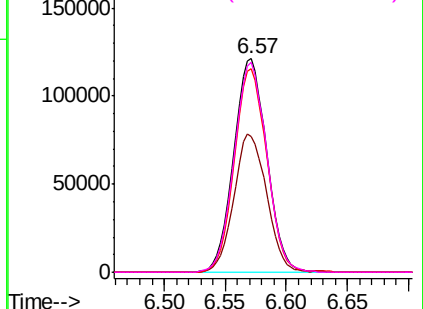


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.804 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

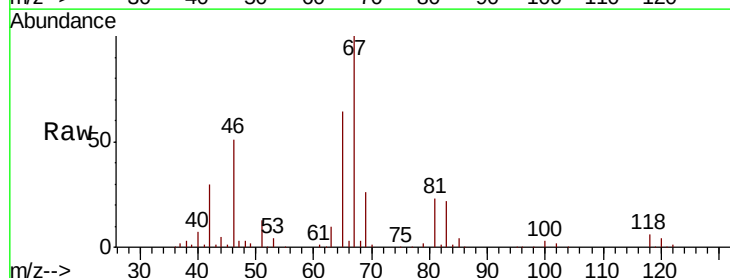
Tgt Ion: 83 Resp: 35972

Ion Ratio Lower Upper

83 100

55 1.0 66.7 100.1#

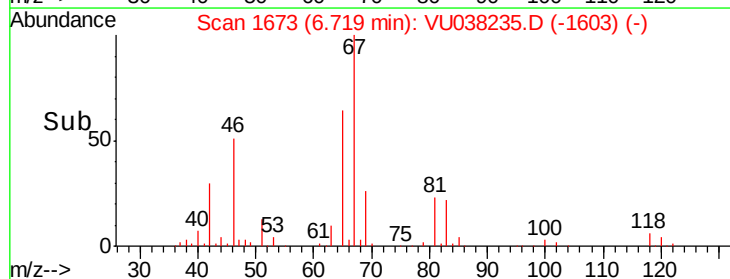
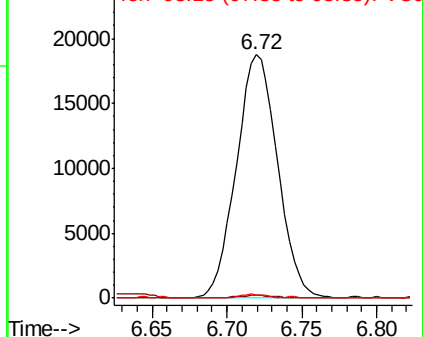
98 0.9 39.4 59.2#

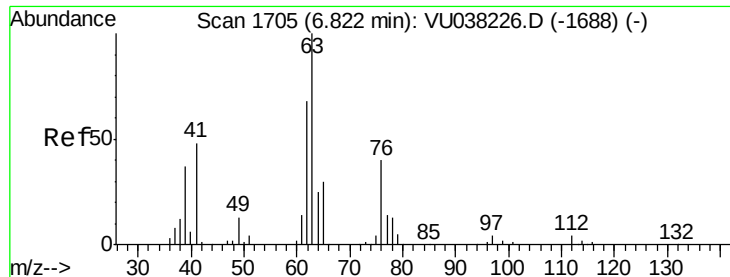


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

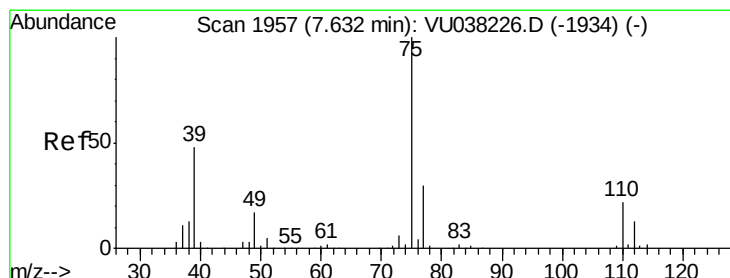
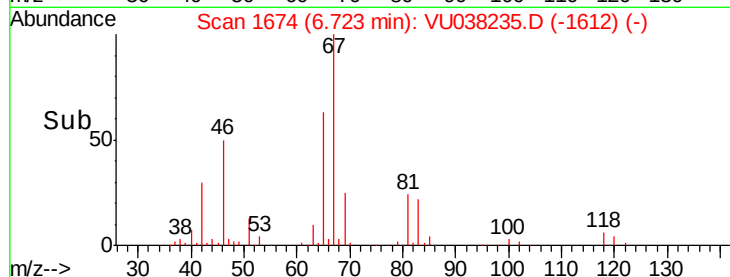
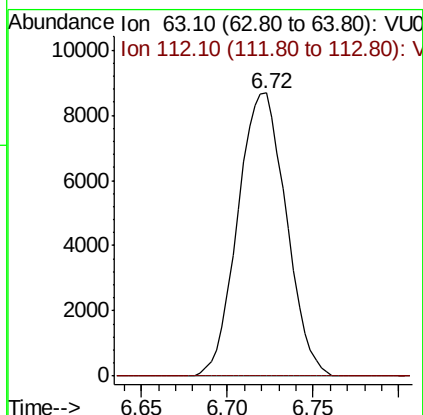
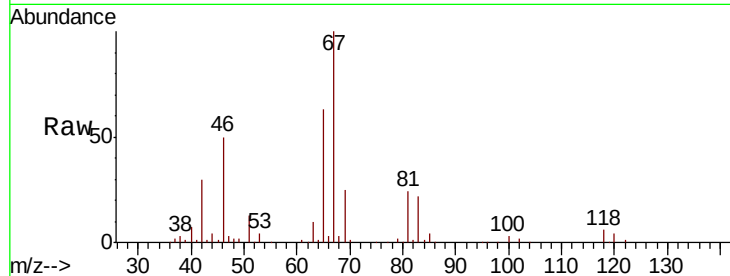




#37
 1,2-Dichloropropane
 Concen: 0.564 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU038235.D
 Acq: 19 May 2020 15:22

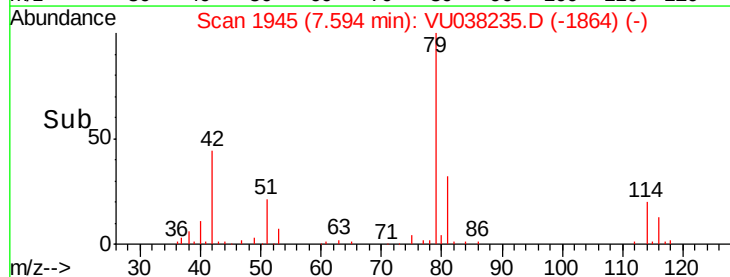
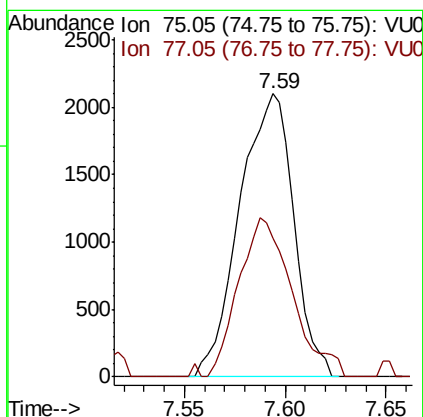
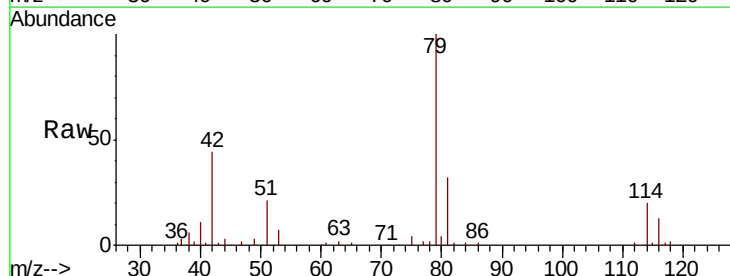
Instrument :
 MSVOA_U
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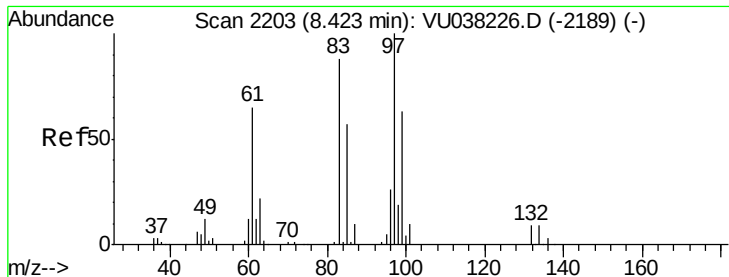
Tot Ion: 63 Resp: 16912
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038235.D
 Acq: 19 May 2020 15:22

Tgt Ion: 75 Resp: 3932
 Ion Ratio Lower Upper
 75 100
 77 49.0 22.4 41.6#

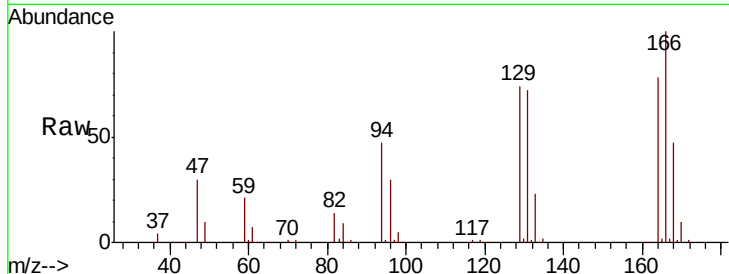




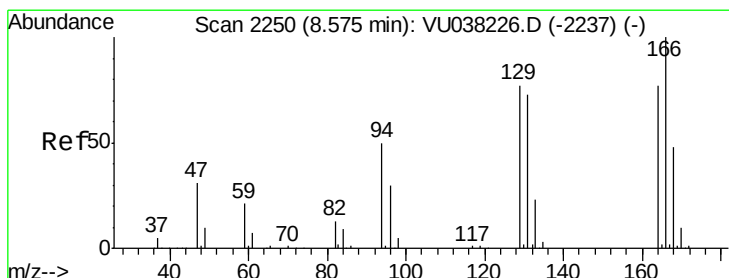
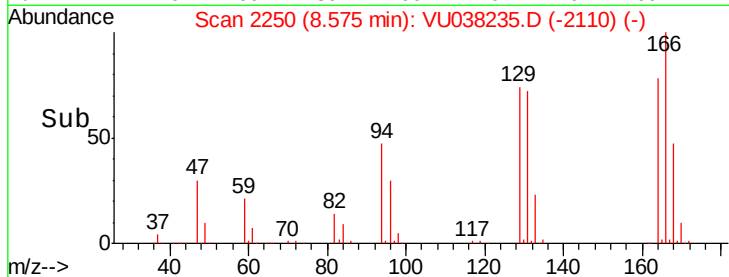
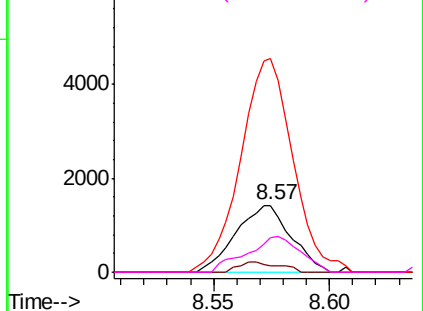
#45
 1,1,2-Trichloroethane
 Concen: 0.113 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.15 min
 Lab File: VU038235.D
 Acq: 19 May 2020 15:22

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	2348
Ion	Ratio	Lower	Upper
97	100		
99	9.1	44.0	81.6#
83	319.8	59.6	110.8#
85	51.9	41.3	76.7

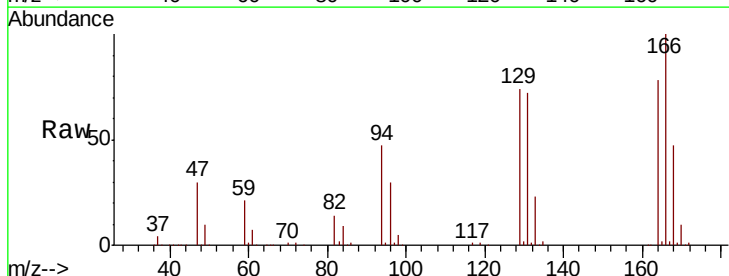


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

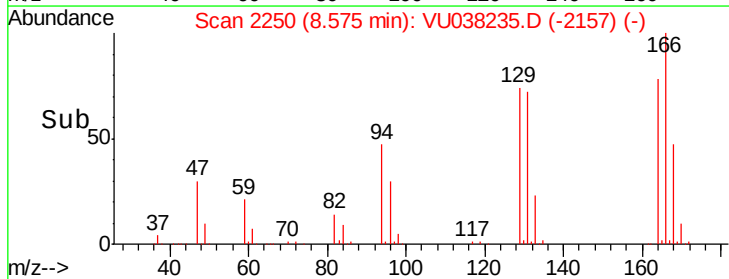
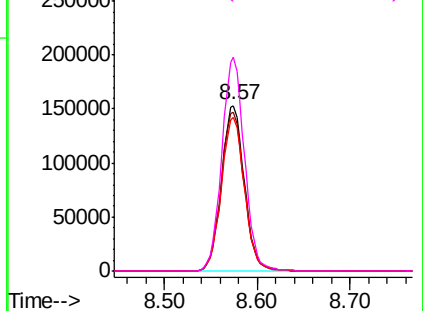


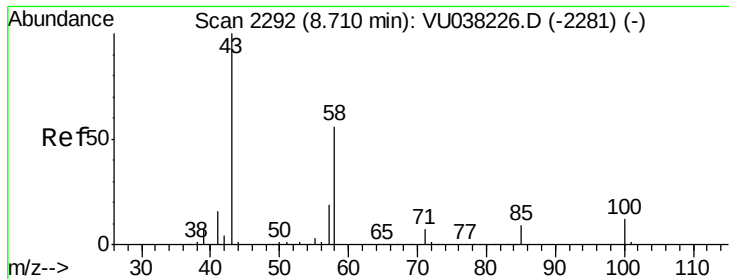
#47
 Tetrachloroethene
 Concen: 13.519 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038235.D
 Acq: 19 May 2020 15:22

Tgt Ion:	164	Resp:	261152
Ion	Ratio	Lower	Upper
164	100		
129	95.8	68.8	127.8
131	92.4	66.8	124.2
166	129.0	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

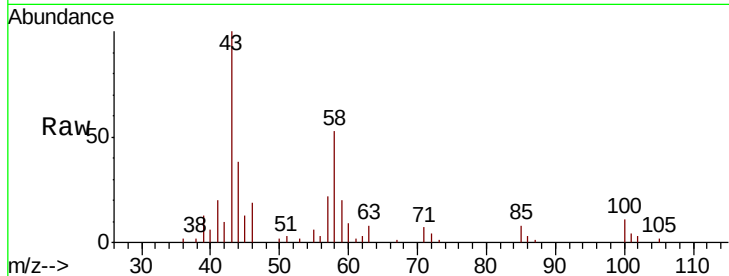




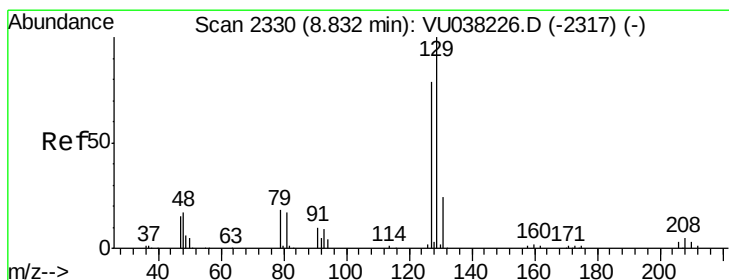
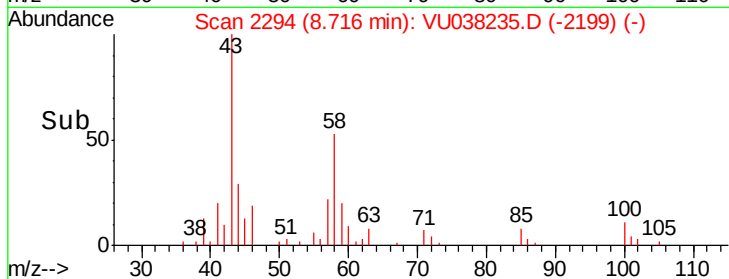
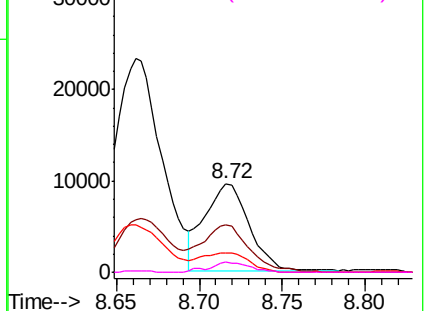
#48
2-Hexanone
Concen: 1.178 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VU038235.D
Acq: 19 May 2020 15:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 17926
Ion Ratio Lower Upper
43 100
58 58.9 45.2 67.8
57 24.1 15.5 23.3#
100 10.2 9.5 14.3

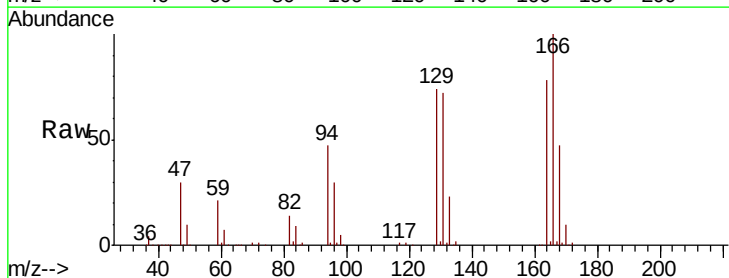


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

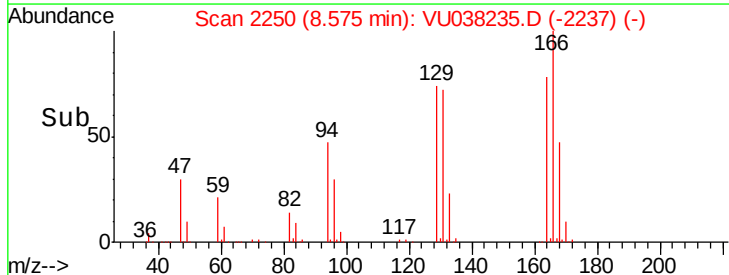
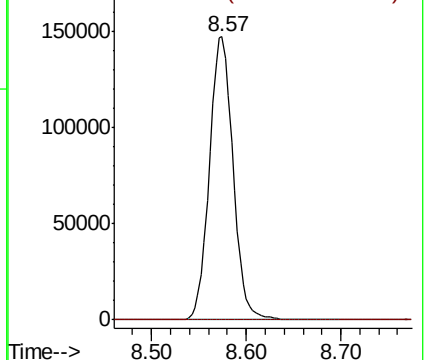


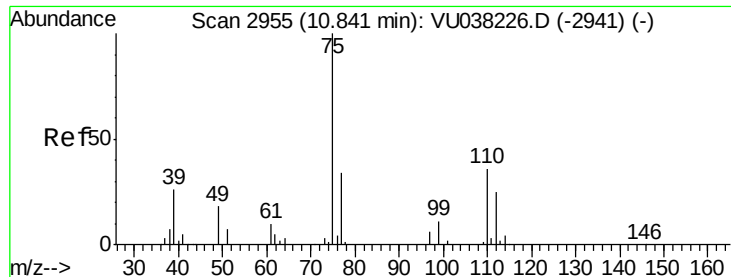
#49
Dibromochloromethane
Concen: 11.803 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038235.D
Acq: 19 May 2020 15:22

Tgt Ion: 129 Resp: 255126
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#



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: 1.145 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038235.D

Acq: 19 May 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 23045

Ion Ratio Lower Upper

75 100

77 34.2 25.4 38.0

