

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038232.D
 Acq On : 19 May 2020 14:09
 Operator : JC/MD
 Sample : L2657-06DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 20 01:27:30 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	366476	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	360065	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	173973	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	115830	3.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.20%
7) Chloroethane-d5	1.93	69	114518	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.58	63	143079	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	4.67	46	482239	58.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.62%
24) Chloroform-d	5.10	84	219303	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	5.74	65	137254	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.76	84	447658	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.72	67	155325	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.92	98	378878	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.20	79	59269	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.66	63	381274	57.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	139509	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	152428	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

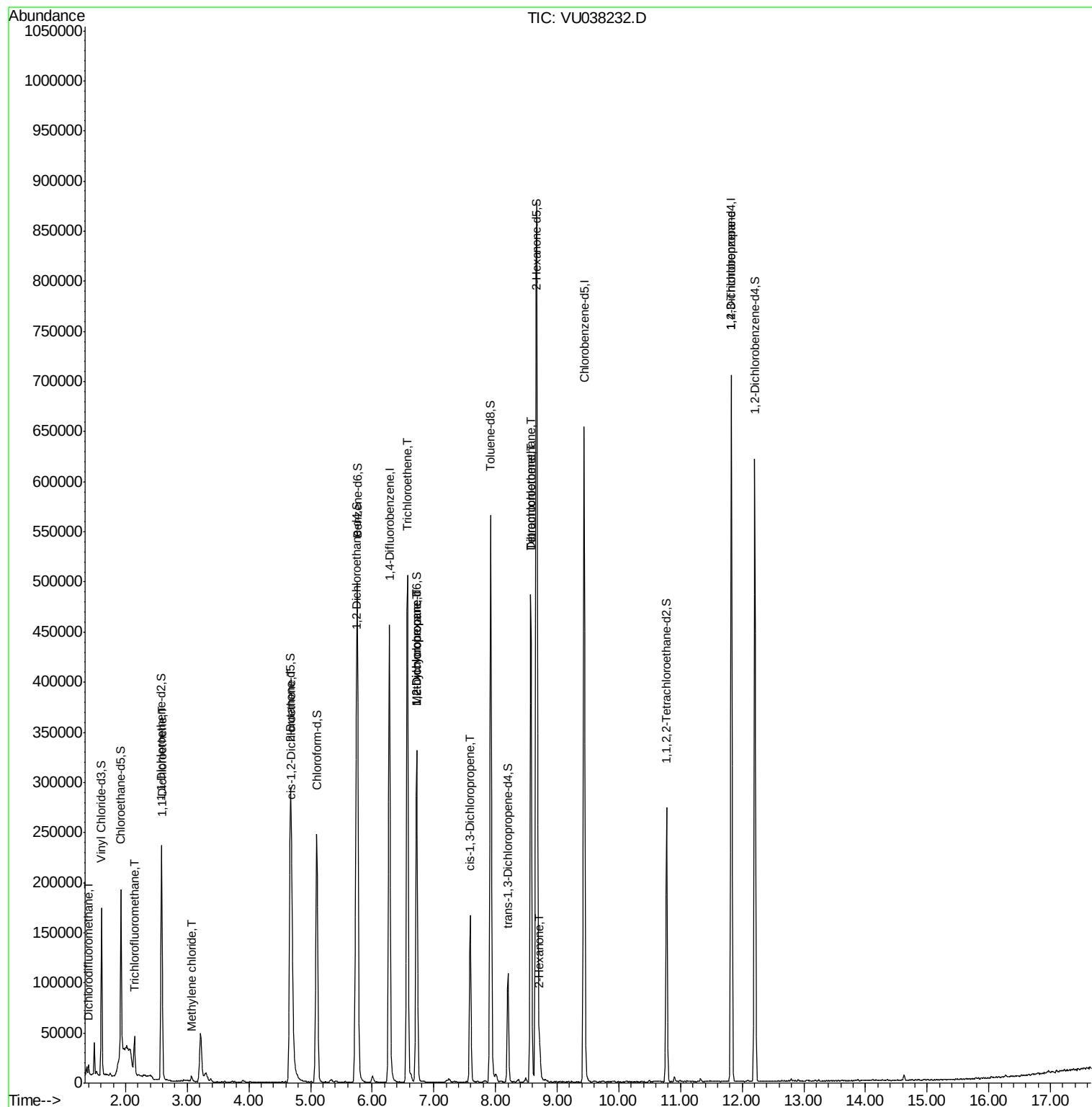
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	4848	0.145	ug/L	95
9) Trichlorofluoromethane	2.14	101	22697	0.561	ug/L	99
12) 1,1-Dichloroethene	2.60	96	2920	0.115	ug/L #	1
16) Methylene chloride	3.07	84	2101	0.071	ug/L	87
22) cis-1,2-Dichloroethene	4.70	96	23143	0.773	ug/L	86
34) Trichloroethene	6.57	95	168004	5.826	ug/L	96
35) Methylcyclohexane	6.72	83	34398	0.736	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16088	0.514	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	4035	0.090	ug/L #	67
47) Tetrachloroethene	8.57	164	106601	5.285	ug/L	97
48) 2-Hexanone	8.72	43	17801	1.120	ug/L	96
49) Dibromochloromethane	8.57	129	103765	4.597	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	23187	1.103	ug/L	89

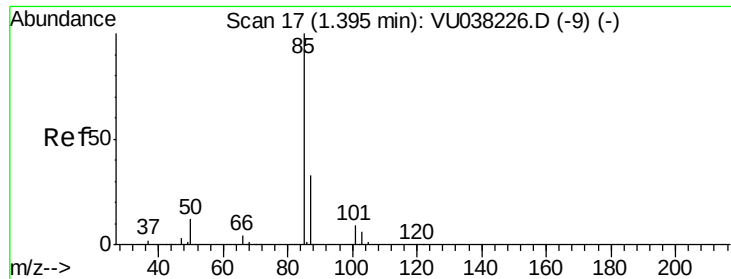
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.145 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038232.D

Acq: 19 May 2020 14:09

Instrument :

MSVOA_U

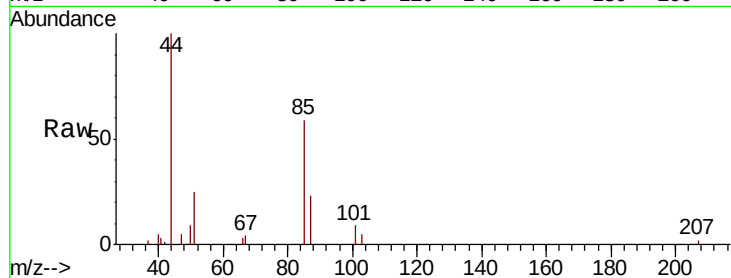
ClientSampleId :

Tot Ion: 85 Resp: 4848

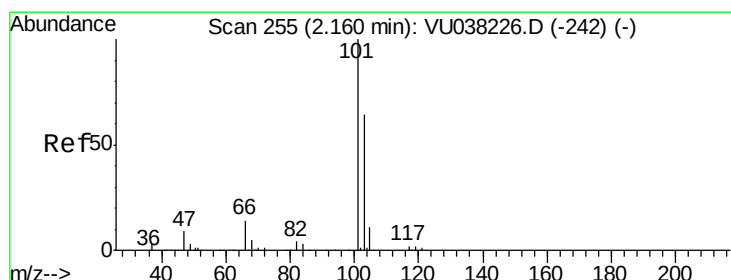
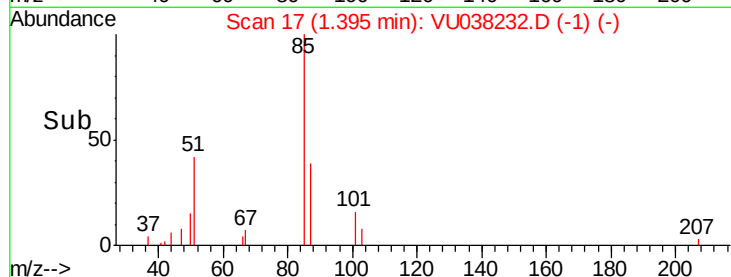
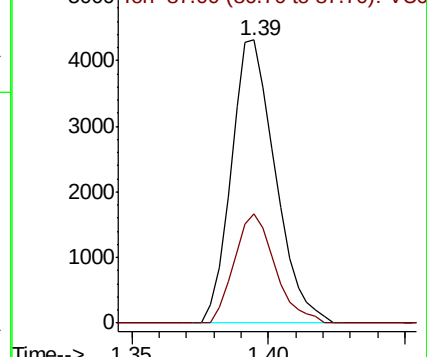
Ion Ratio Lower Upper

85 100

87 35.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038232.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.561 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.02 min

Lab File: VU038232.D

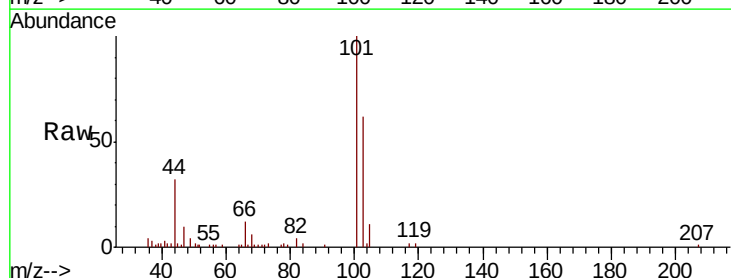
Acq: 19 May 2020 14:09

Tgt Ion: 101 Resp: 22697

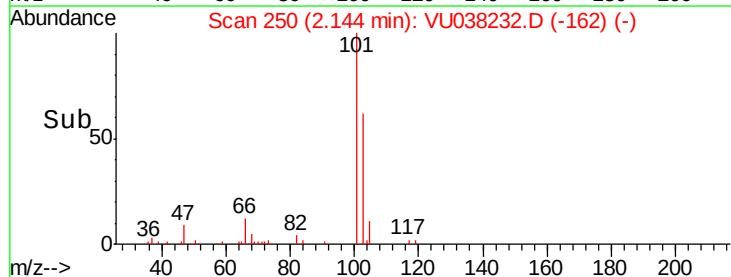
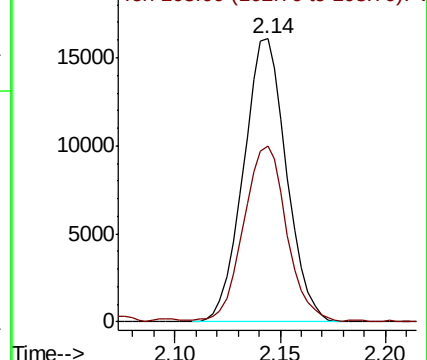
Ion Ratio Lower Upper

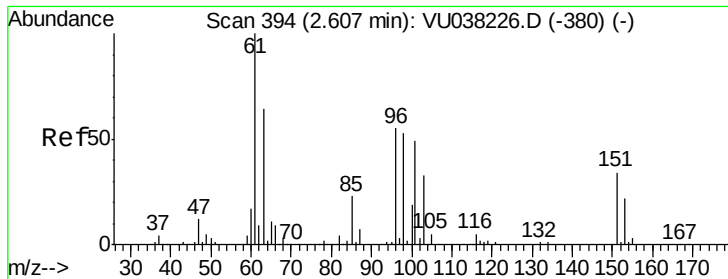
101 100

103 62.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038232.D (-162) (-)





#12

1,1-Dichloroethene

Concen: 0.115 ug/L

RT: 2.60 min Scan# 391

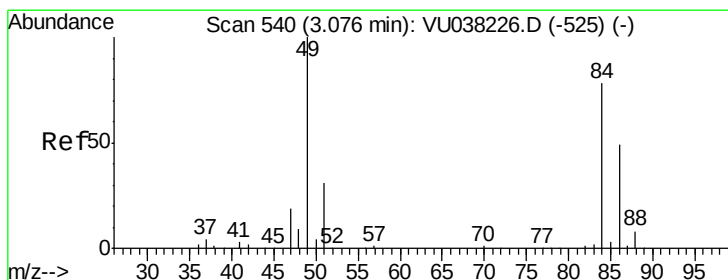
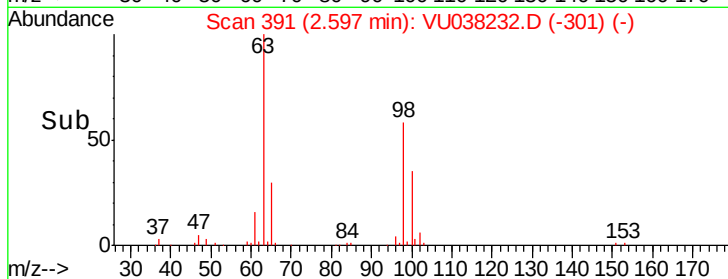
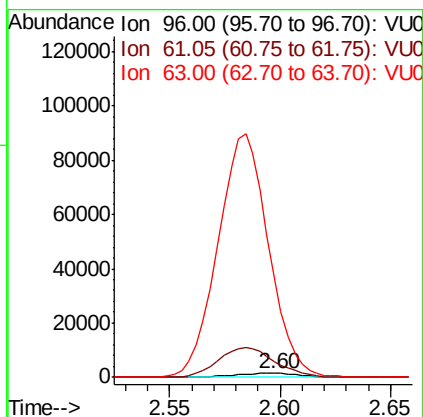
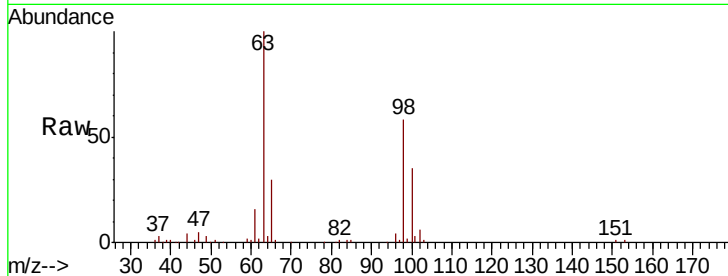
Delta R.T. -0.01 min

Lab File: VU038232.D

Acq: 19 May 2020 14:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 2920
Ion Ratio Lower Upper
96 100
61 378.1 126.2 234.4#
63 2388.6 96.9 179.9#



#16

Methylene chloride

Concen: 0.071 ug/L

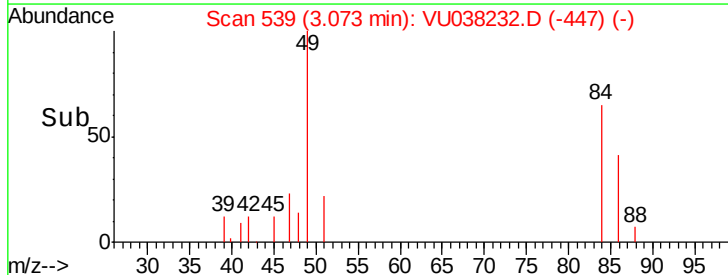
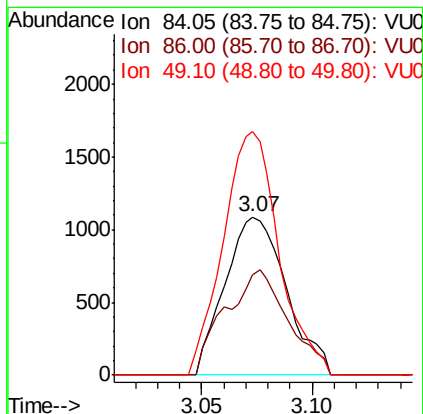
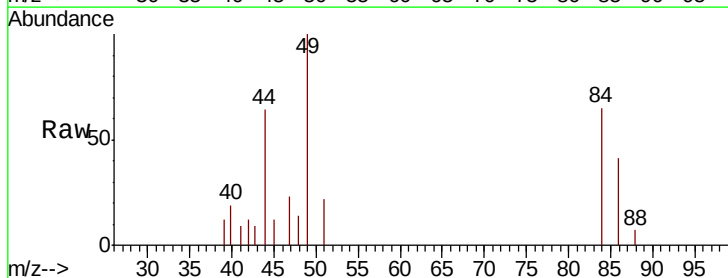
RT: 3.07 min Scan# 539

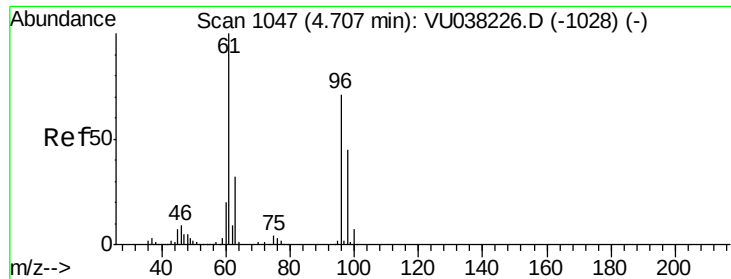
Delta R.T. -0.00 min

Lab File: VU038232.D

Acq: 19 May 2020 14:09

Tgt Ion: 84 Resp: 2101
Ion Ratio Lower Upper
84 100
86 63.6 44.9 83.3
49 153.7 92.0 170.9





#22

cis-1,2-Dichloroethene

Concen: 0.773 ug/L

RT: 4.70 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VU038232.D

Acq: 19 May 2020 14:09

Instrument :
MSVOA_U
ClientSampleId :

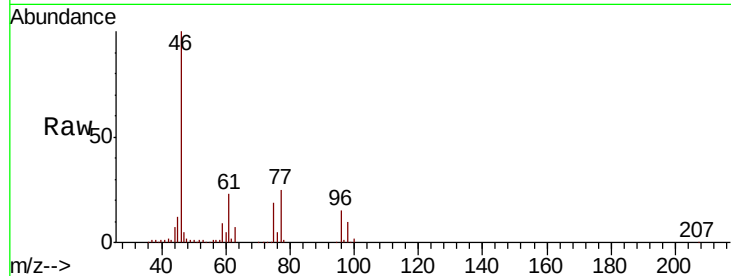
Tot Ion: 96 Resp: 23143

Ion Ratio Lower Upper

96 100

61 152.5 95.3 176.9

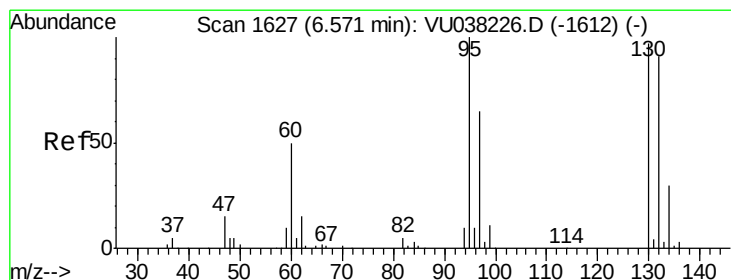
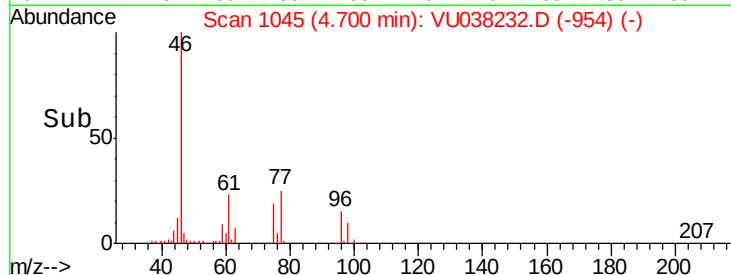
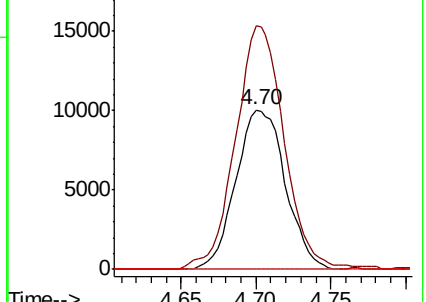
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038232.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU038232.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU038232.D (-1534) (-)



#34

Trichloroethene

Concen: 5.826 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038232.D

Acq: 19 May 2020 14:09

Tgt Ion: 95 Resp: 168004

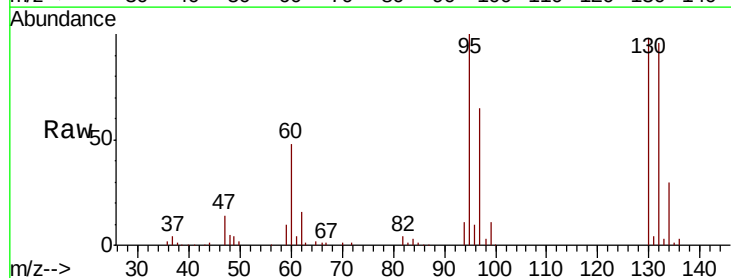
Ion Ratio Lower Upper

95 100

97 65.1 44.9 83.3

132 96.0 63.3 117.5

130 97.6 65.7 122.1

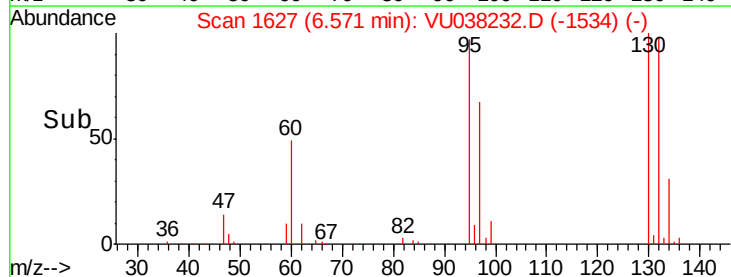
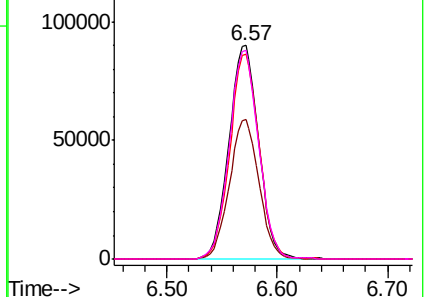


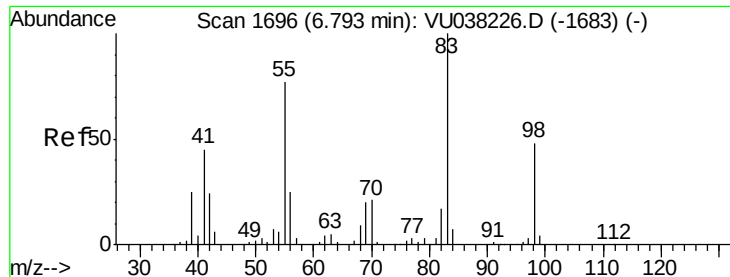
Abundance Ion 95.00 (94.70 to 95.70): VU038232.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038232.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038232.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038232.D (-1534) (-)

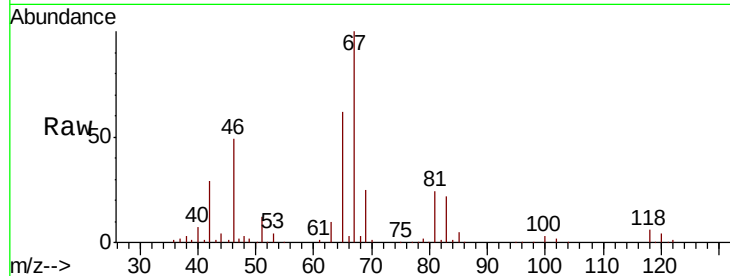




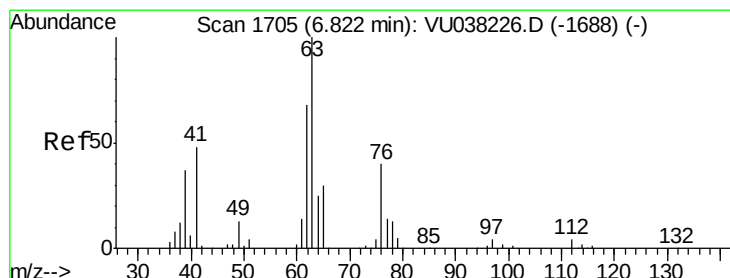
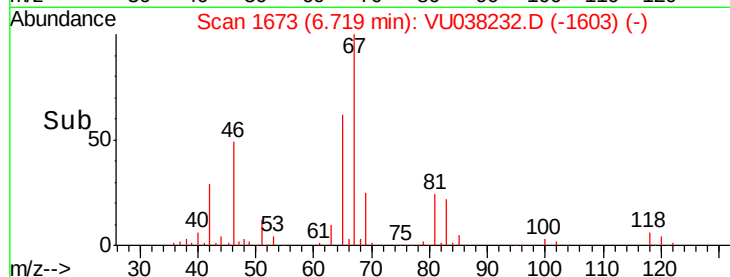
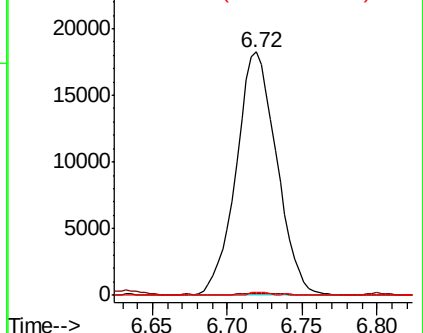
#35
Methylvlcyclohexane
Concen: 0.736 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038232.D
Acq: 19 May 2020 14:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 34398
Ion Ratio Lower Upper
83 100
55 0.5 66.7 100.1#
98 0.6 39.4 59.2#

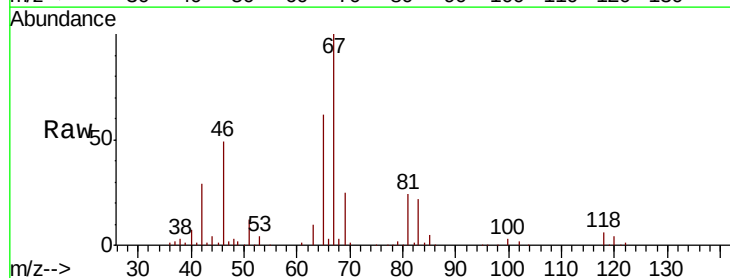


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

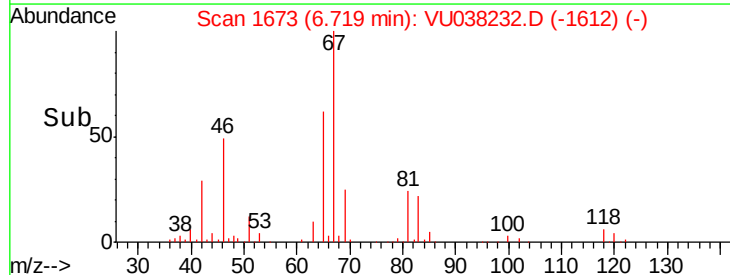
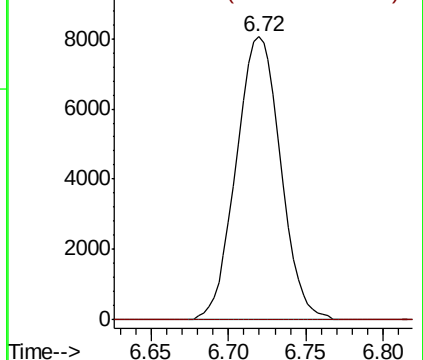


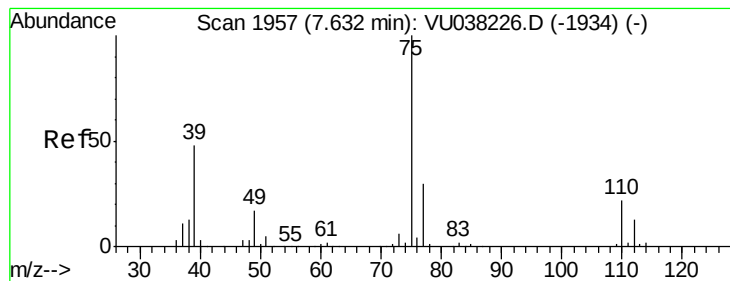
#37
1,2-Dichloropropane
Concen: 0.514 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038232.D
Acq: 19 May 2020 14:09

Tgt Ion: 63 Resp: 16088
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



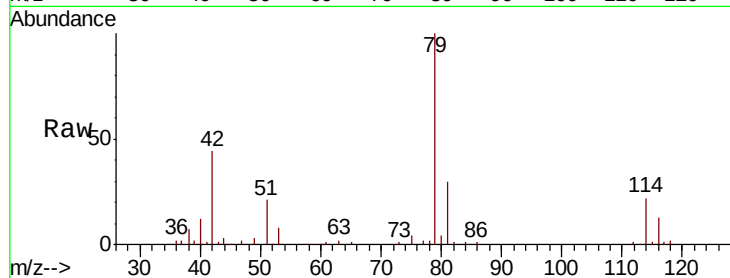


#39

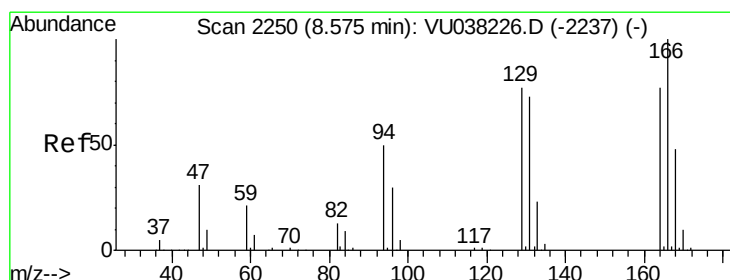
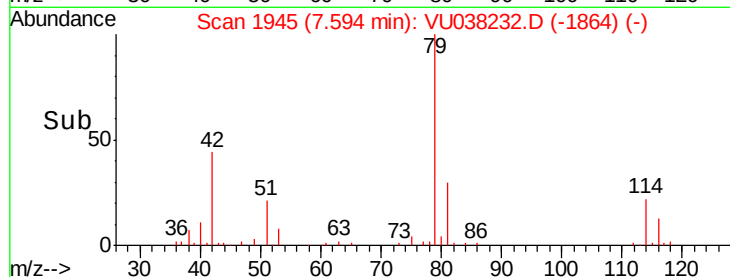
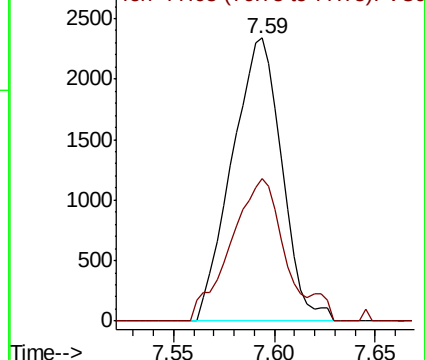
cis-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU038232.D
Acq: 19 May 2020 14:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 4035
Ion Ratio Lower Upper
75 100
77 50.3 22.4 41.6#



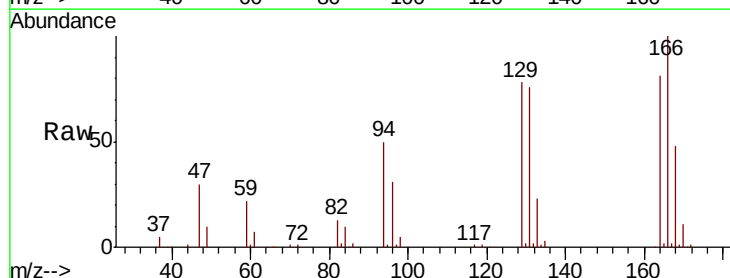
Abundance Ion 75.05 (74.75 to 75.75): VU038232.D (-1864) (-)
Ion 77.05 (76.75 to 77.75): VU038232.D (-1864) (-)



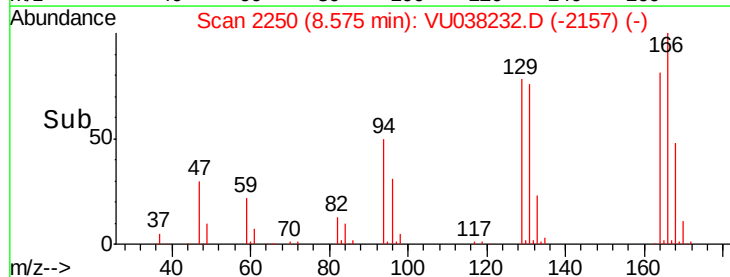
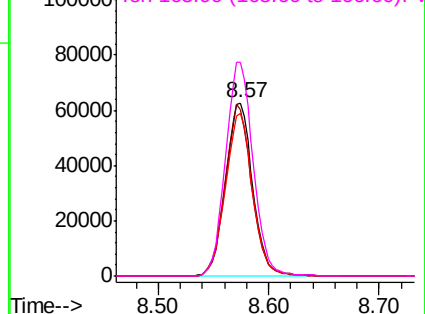
#47

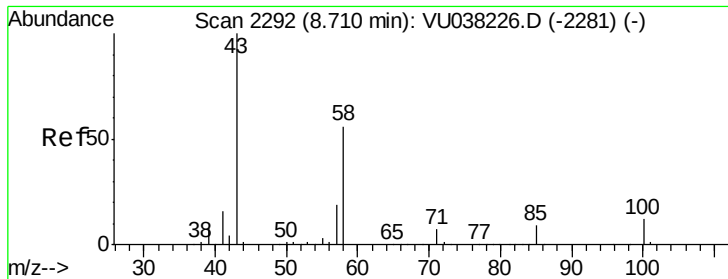
Tetrachloroethene
Concen: 5.285 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038232.D
Acq: 19 May 2020 14:09

Tgt Ion: 164 Resp: 106601
Ion Ratio Lower Upper
164 100
129 96.1 68.8 127.8
131 93.7 66.8 124.2
166 123.3 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): VU038232.D (-2157) (-)
Ion 128.95 (128.65 to 129.65): VU038232.D (-2157) (-)
Ion 130.95 (130.65 to 131.65): VU038232.D (-2157) (-)
Ion 165.90 (165.60 to 166.60): VU038232.D (-2157) (-)

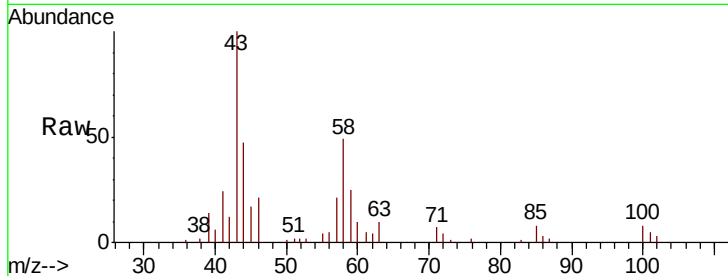




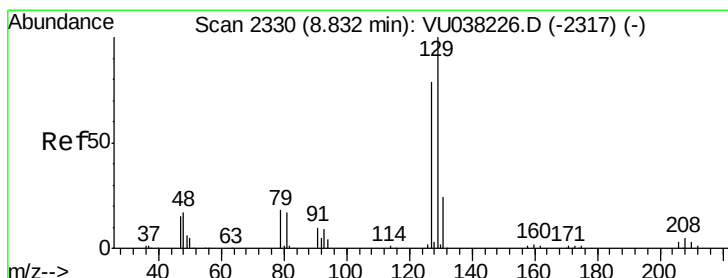
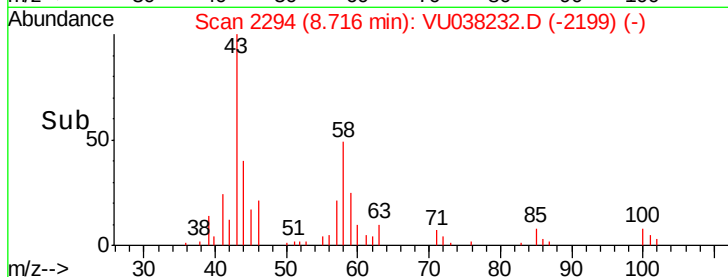
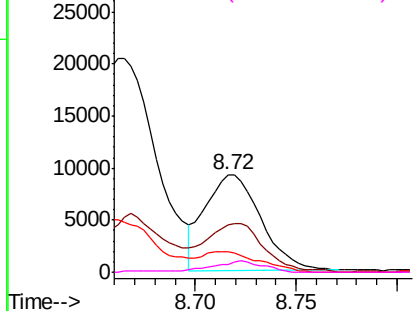
#48
2-Hexanone
Concen: 1.120 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VU038232.D
Acq: 19 May 2020 14:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 17801
Ion Ratio Lower Upper
43 100
58 53.0 45.2 67.8
57 21.2 15.5 23.3
100 10.9 9.5 14.3

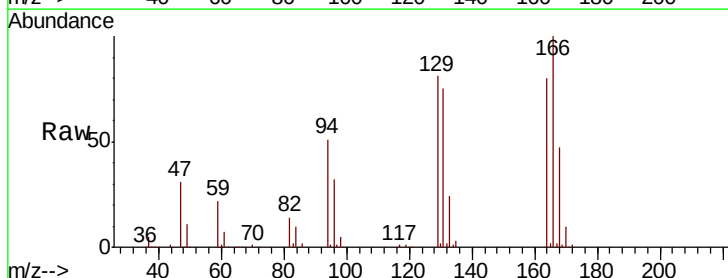


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

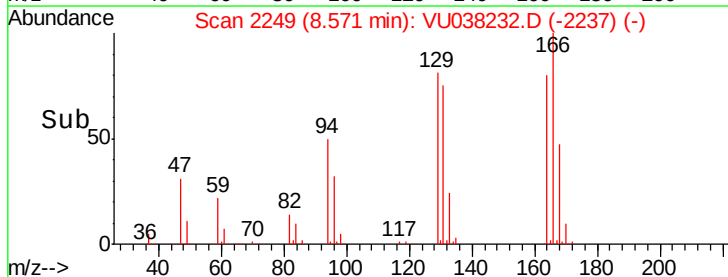
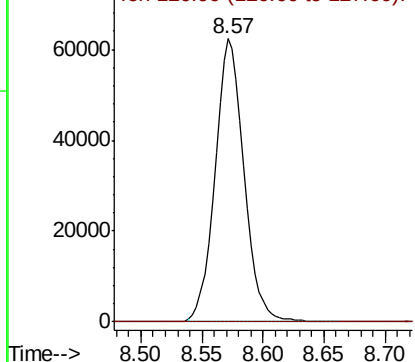


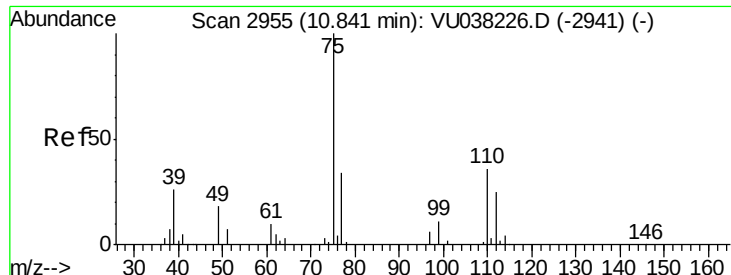
#49
Dibromochloromethane
Concen: 4.597 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU038232.D
Acq: 19 May 2020 14:09

Tgt Ion: 129 Resp: 103765
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: 1.103 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038232.D

Acq: 19 May 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 23187

Ion Ratio Lower Upper

75 100

77 37.7 25.4 38.0

