

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062620\
 Data File : VU039166.D
 Acq On : 26 Jun 2020 15:49
 Operator : SY/MD
 Sample : L3121-12RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F43

Quant Time: Jun 26 23:55:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 23:52:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	224073	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	227902	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	99309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	64579	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.93	69	63632	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.59	63	104263	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.67	46	314125	53.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.10%
24) Chloroform-d	5.10	84	164367	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.74	65	99356	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.76	84	285764	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.72	67	98689	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.92	98	217501	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.20	79	38412	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.66	63	241124	50.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	85910	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	91400	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

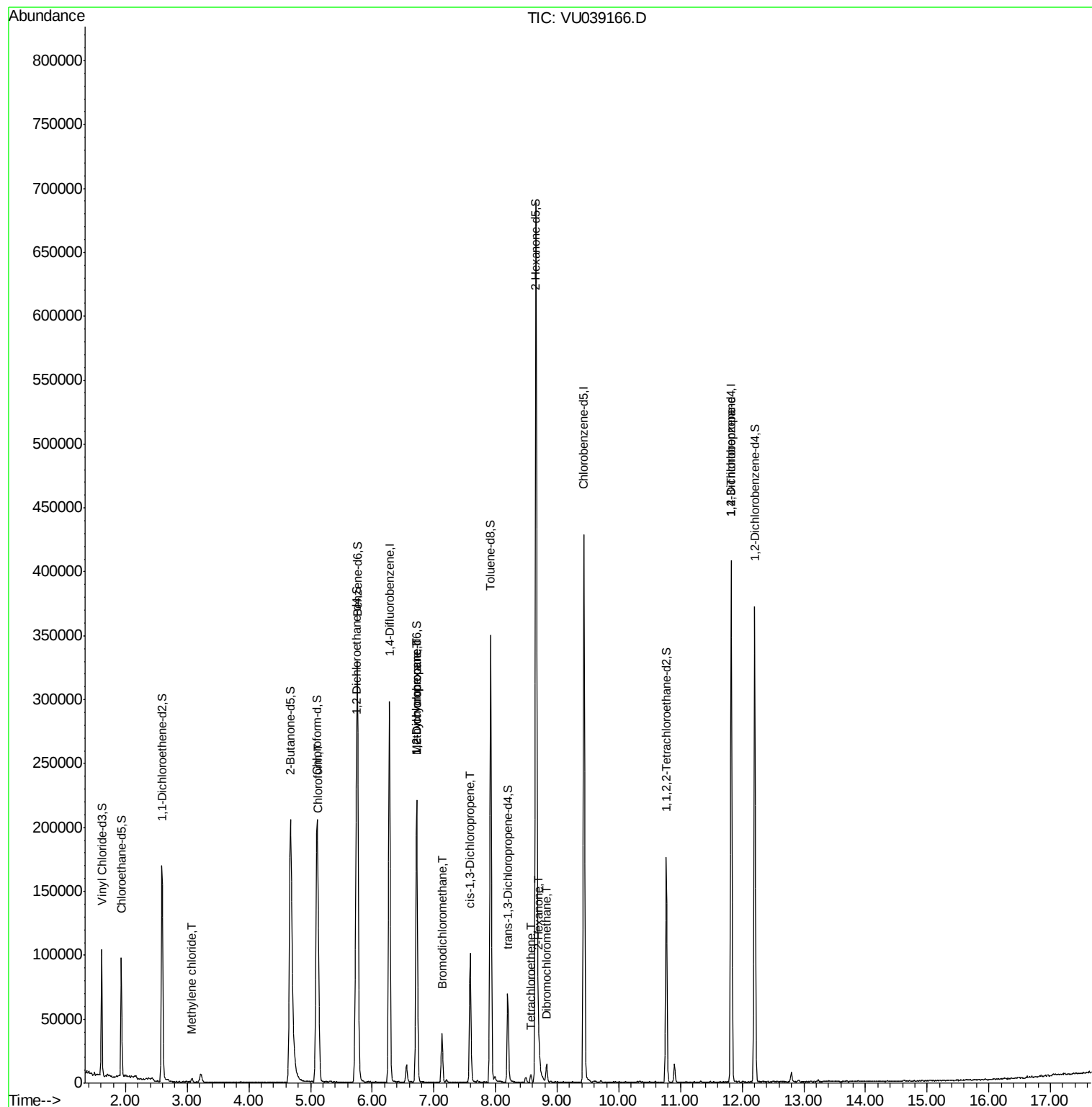
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	3.08	84	1235	0.065	ug/L	88
25) Chloroform	5.12	83	79346	2.393	ug/L	99
35) Methylcyclohexane	6.72	83	24290	0.945	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	11906	0.614	ug/L #	87
38) Bromodichloromethane	7.13	83	24803	1.026	ug/L	99
39) cis-1,3-Dichloropropene	7.59	75	2887	0.107	ug/L #	75
47) Tetrachloroethene	8.57	164	1456	0.117	ug/L	87
48) 2-Hexanone	8.70	43	10411	0.981	ug/L #	82
49) Dibromochloromethane	8.83	129	6862	0.438	ug/L	94
59) 1,2,3-Trichloropropane	11.82	75	13517	0.924	ug/L #	88

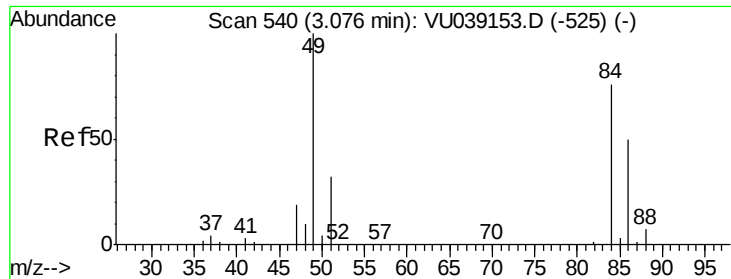
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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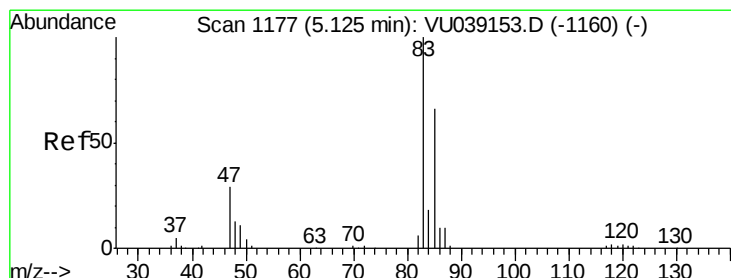
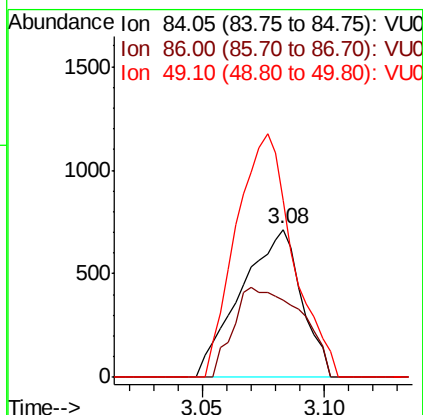
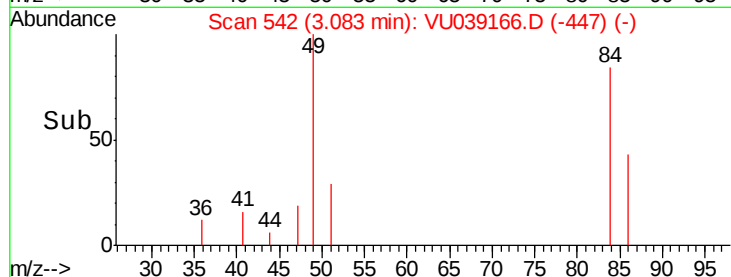
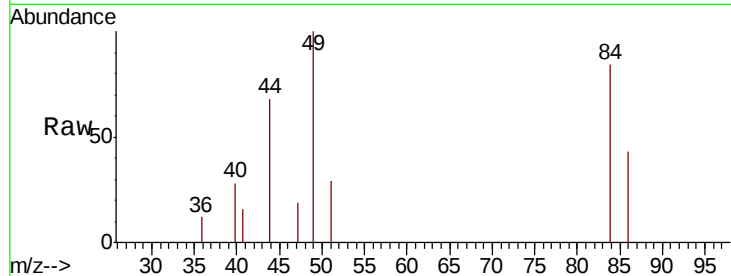




#16
Methvlene chloride
Concen: 0.065 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.01 min
Lab File: VU039166.D
Acq: 26 Jun 2020 15:49

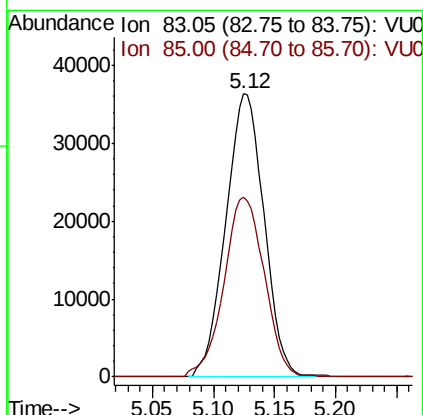
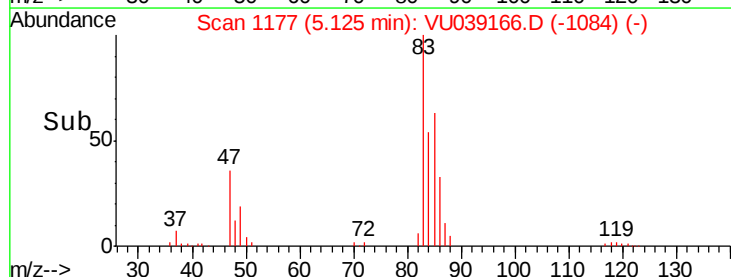
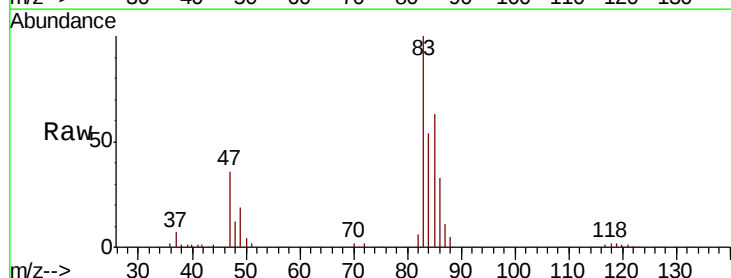
Instrument :
MSVOA_U
ClientSampleId :
F9F43

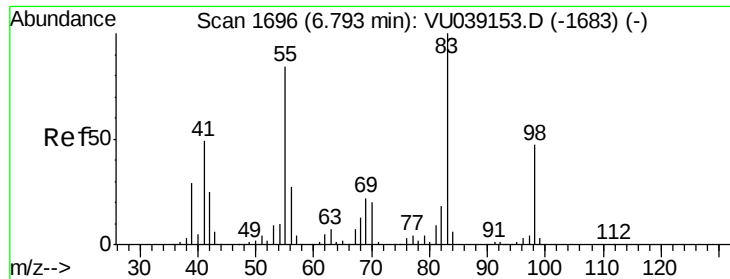
Tot Ion: 84 Resp: 1235
Ion Ratio Lower Upper
84 100
86 51.7 44.1 81.9
49 119.4 93.1 172.9



#25
Chloroform
Concen: 2.393 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039166.D
Acq: 26 Jun 2020 15:49

Tgt Ion: 83 Resp: 79346
Ion Ratio Lower Upper
83 100
85 63.5 43.8 81.4

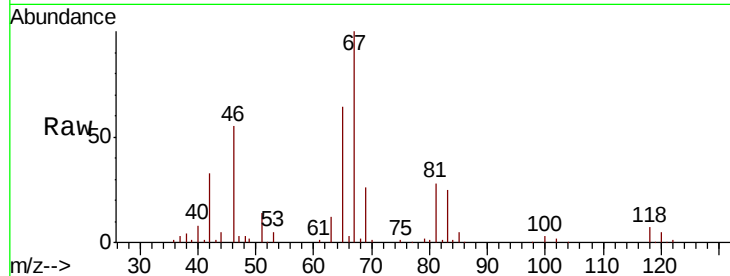




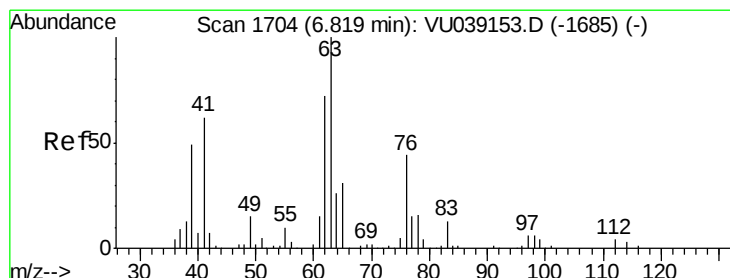
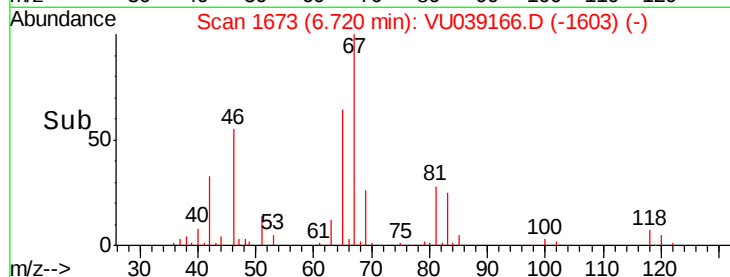
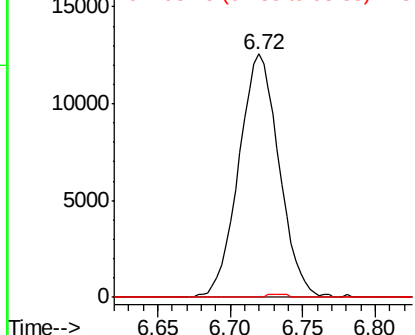
#35
Methvlcvclohexane
Concen: 0.945 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU039166.D
Acq: 26 Jun 2020 15:49

Instrument :
MSVOA_U
ClientSampleId :
F9F43

Tot Ion: 83 Resp: 24290
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 0.5 36.5 54.7#

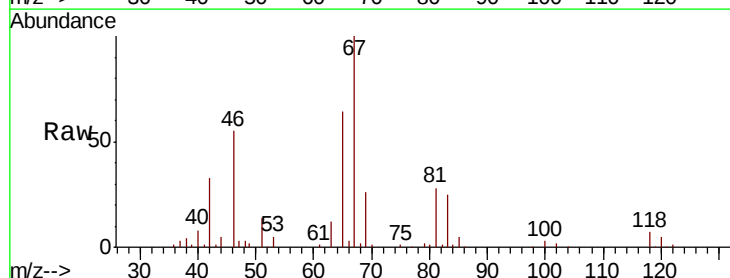


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

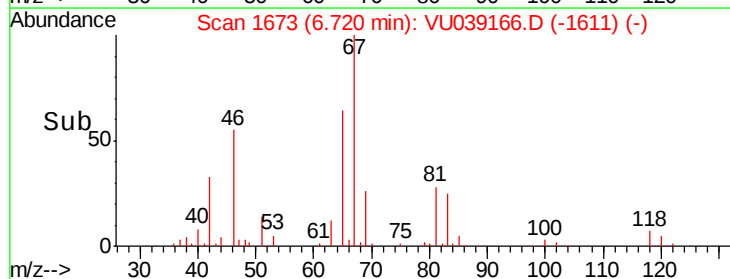
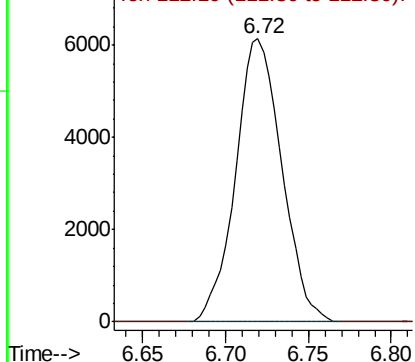


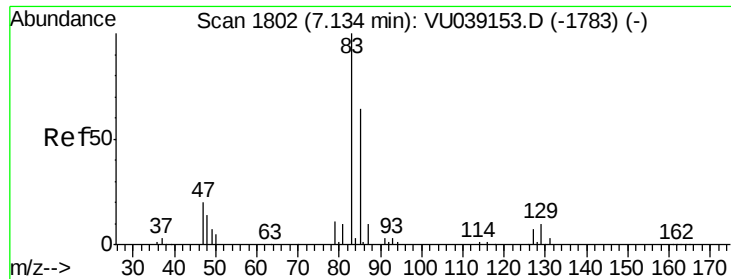
#37
1,2-Dichloropropane
Concen: 0.614 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU039166.D
Acq: 26 Jun 2020 15:49

Tgt Ion: 63 Resp: 11906
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



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





#38

Bromodichloromethane

Concen: 1.026 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039166.D

Acq: 26 Jun 2020 15:49

Instrument :

MSVOA_U

ClientSampleId :

F9F43

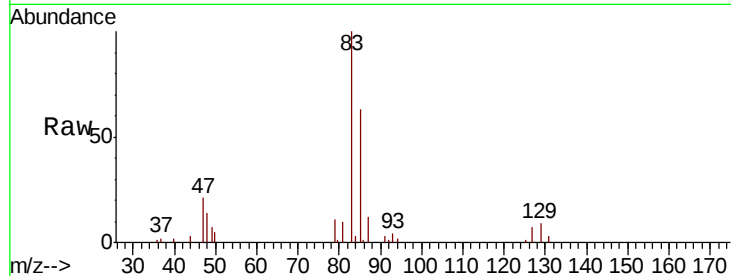
Tot Ion: 83 Resp: 24803

Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.3

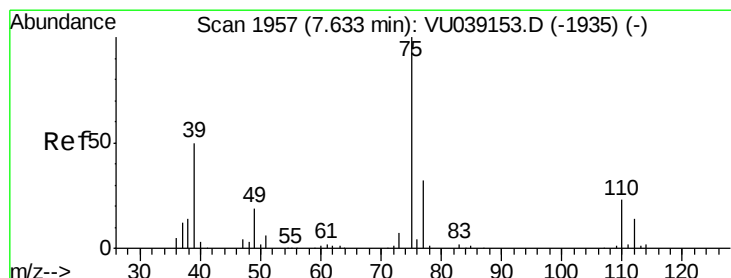
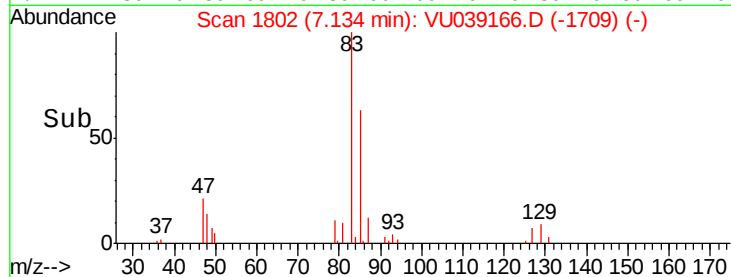
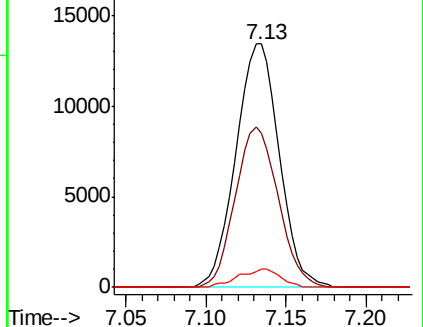
127 7.3 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU039166.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU039166.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU039166.D (-1709) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU039166.D

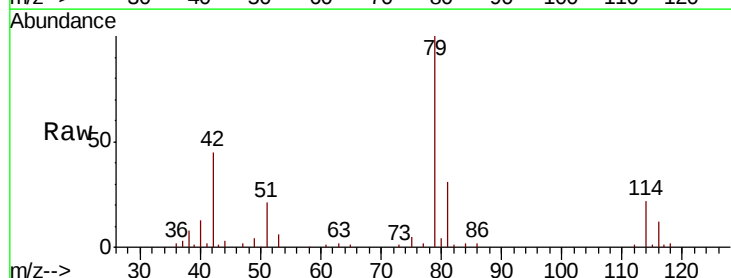
Acq: 26 Jun 2020 15:49

Tgt Ion: 75 Resp: 2887

Ion Ratio Lower Upper

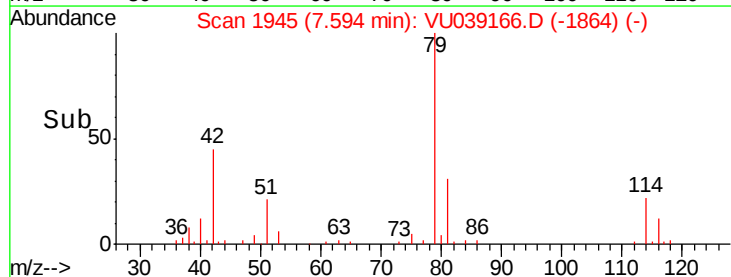
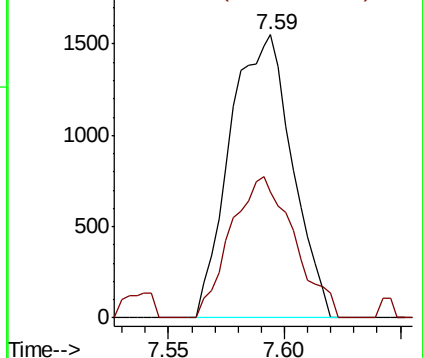
75 100

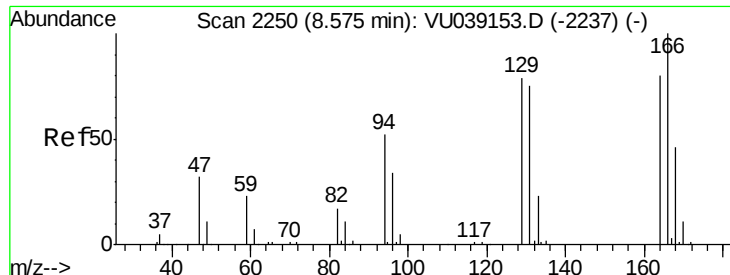
77 44.6 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039166.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU039166.D (-1864) (-)





#47

Tetrachloroethene

Concen: 0.117 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU039166.D

Acq: 26 Jun 2020 15:49

Instrument :

MSVOA_U

ClientSampled :

F9F43

Tot Ion:164 Resp: 1456

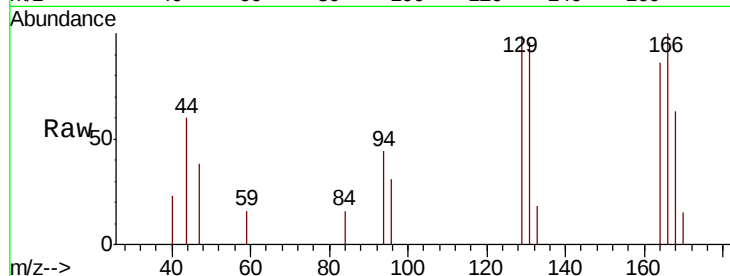
Ion Ratio Lower Upper

164 100

129 115.6 71.3 132.5

131 111.9 68.3 126.8

166 116.9 90.8 168.6

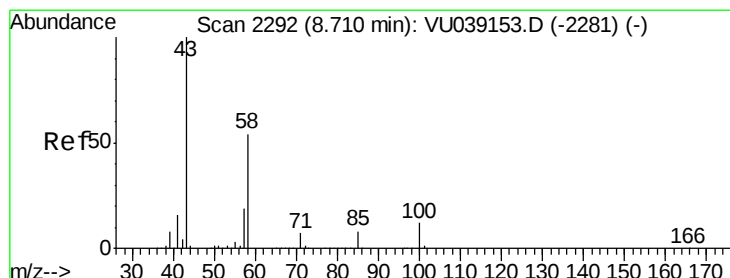
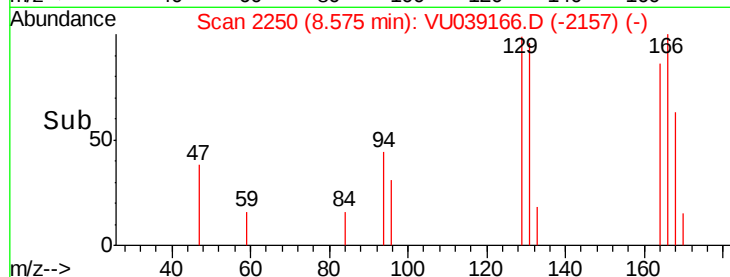
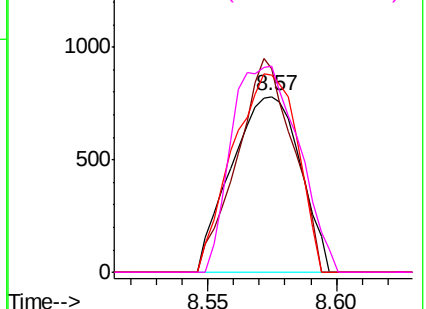


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.981 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. -0.01 min

Lab File: VU039166.D

Acq: 26 Jun 2020 15:49

Tgt Ion: 43 Resp: 10411

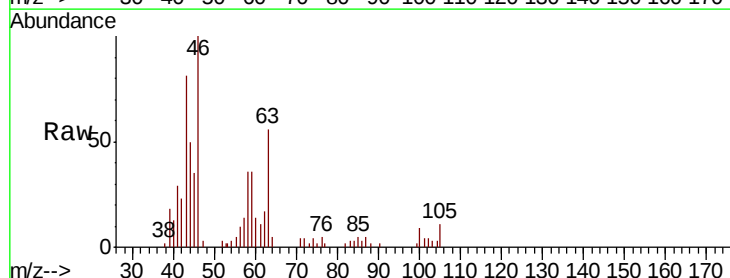
Ion Ratio Lower Upper

43 100

58 48.0 44.0 66.0

57 0.0 15.0 22.6#

100 5.4 9.4 14.2#

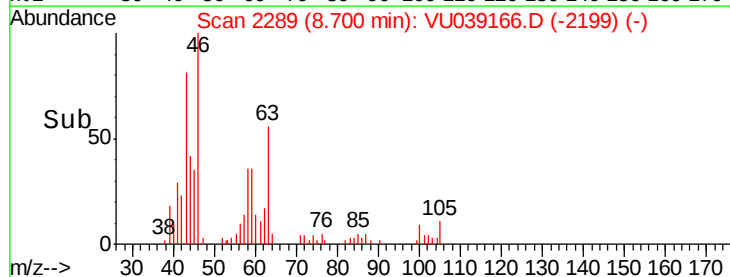
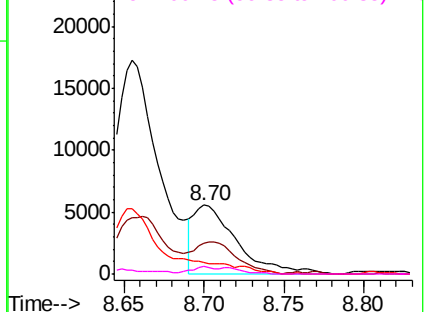


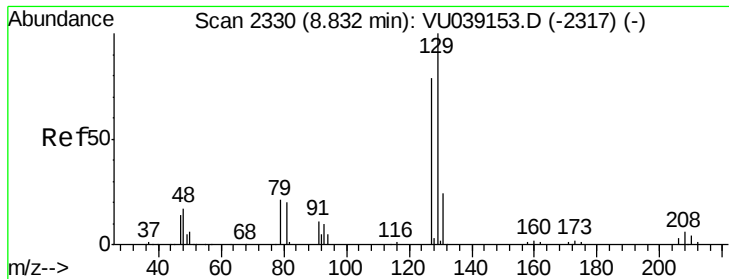
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.438 ug/L

RT: 8.83 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VU039166.D

Acq: 26 Jun 2020 15:49

Instrument :

MSVOA_U

ClientSampleId :

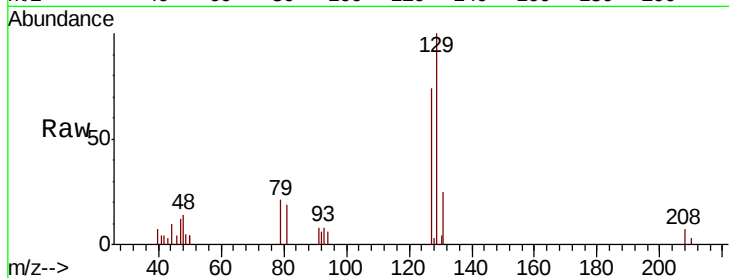
F9F43

Tot Ion:129 Resp: 6862

Ion Ratio Lower Upper

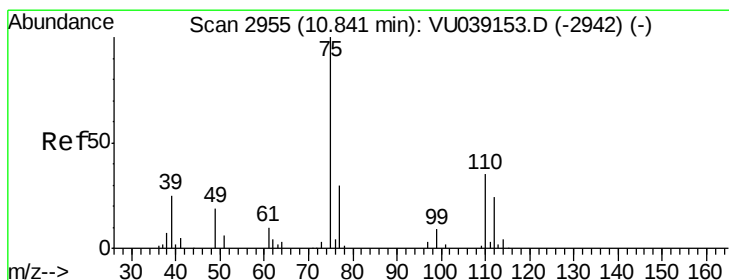
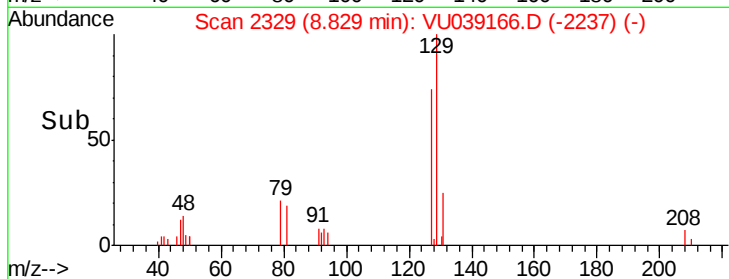
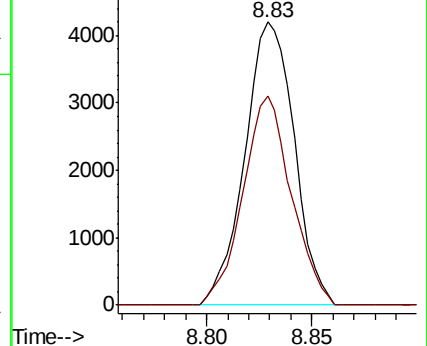
129 100

127 74.0 55.4 103.0



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: 0.924 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039166.D

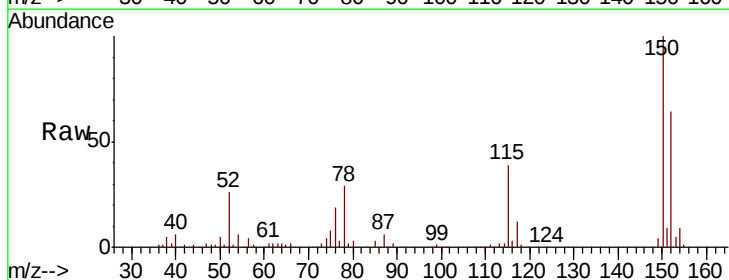
Acq: 26 Jun 2020 15:49

Tgt Ion: 75 Resp: 13517

Ion Ratio Lower Upper

75 100

77 39.4 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

