

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071620\
 Data File : VU039529.D
 Acq On : 16 Jul 2020 17:14
 Operator : SY/MD
 Sample : L3292-10 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 17 01:11:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 17 01:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	92820	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	86927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40021	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18923	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.93	69	23737	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.58	63	32062	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.66	46	104031	42.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.52%
24) Chloroform-d	5.08	84	49085	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.72	65	32436	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.75	84	95912	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.71	67	33527	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.91	98	82996	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	12375	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.64	63	72141	37.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.92%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29580	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	32085	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

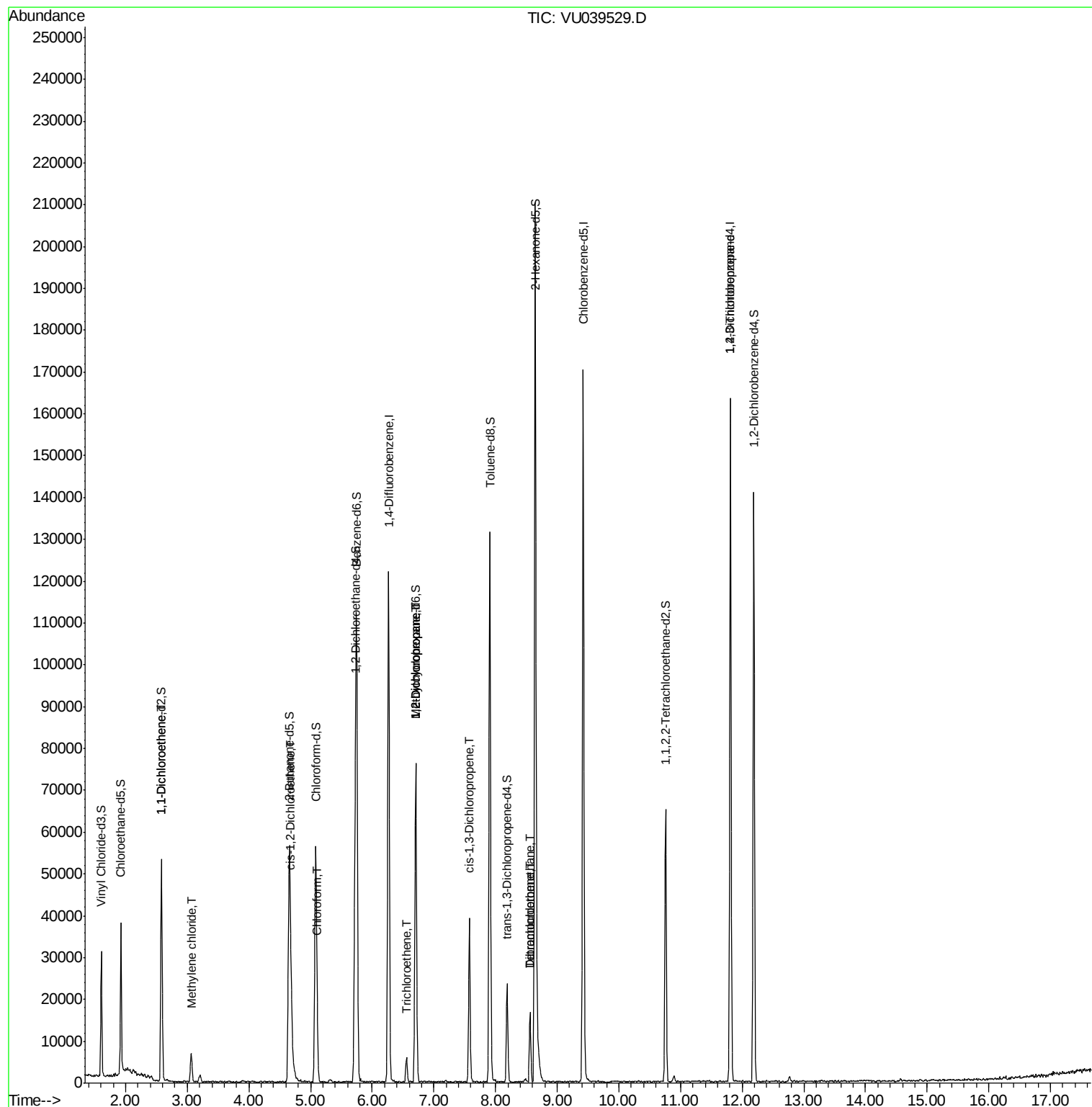
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	461	0.084	ug/L #	1
16) Methylene chloride	3.07	84	3183	0.458	ug/L	89
22) cis-1,2-Dichloroethene	4.68	96	748	0.109	ug/L	79
25) Chloroform	5.11	83	3908	0.324	ug/L	95
34) Trichloroethene	6.56	95	1790	0.266	ug/L	89
35) Methylcyclohexane	6.71	83	6939	0.645	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	4325	0.610	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1136	0.106	ug/L	83
47) Tetrachloroethene	8.56	164	3132	0.670	ug/L	95
49) Dibromochloromethane	8.56	129	3424	0.556	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6421	1.230	ug/L	99

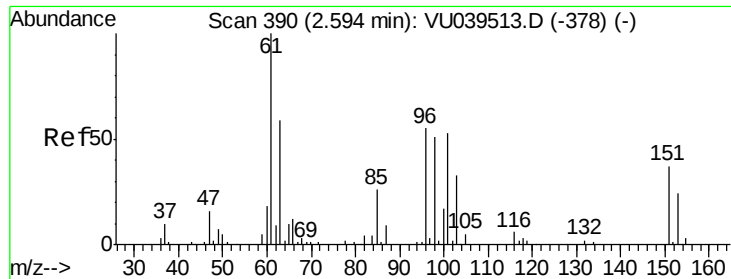
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039529.D

Acq: 16 Jul 2020 17:14

Instrument :

MSVOA_U

ClientSampled :

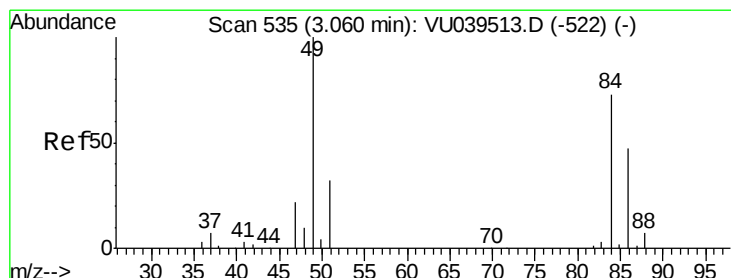
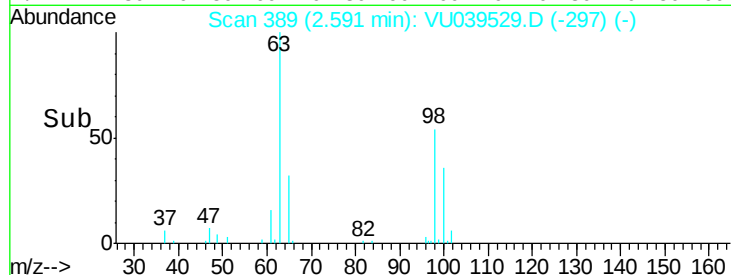
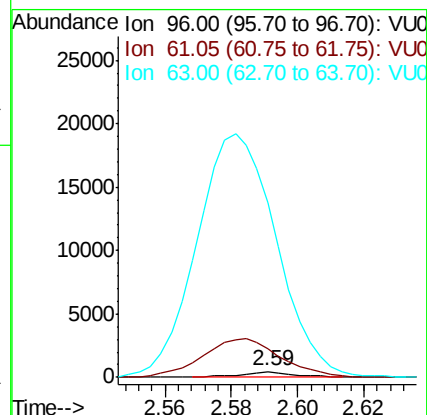
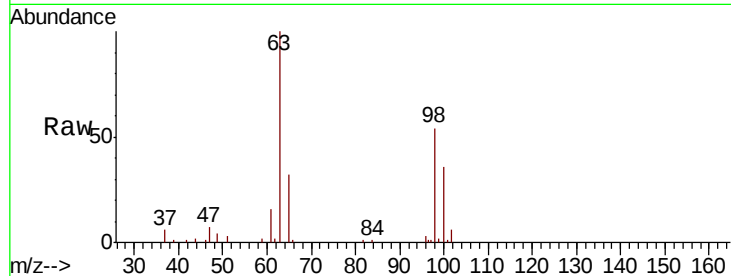
Tot Ion: 96 Resp: 461

Ion Ratio Lower Upper

96 100

61 477.9 125.4 232.8#

63 2942.0 92.7 172.3#



#16

Methylene chloride

Concen: 0.458 ug/L

RT: 3.07 min Scan# 537

Delta R.T. 0.01 min

Lab File: VU039529.D

Acq: 16 Jul 2020 17:14

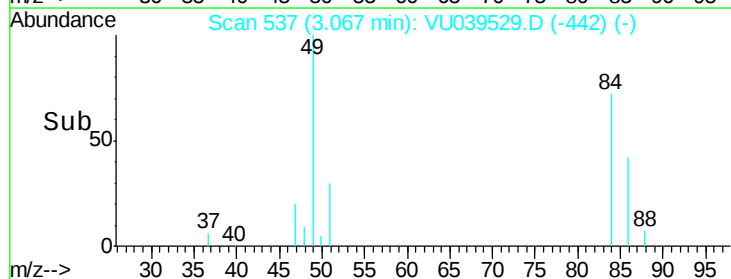
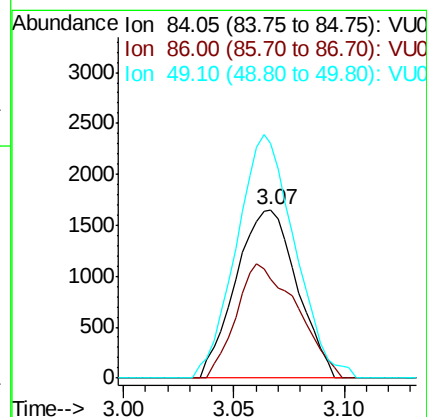
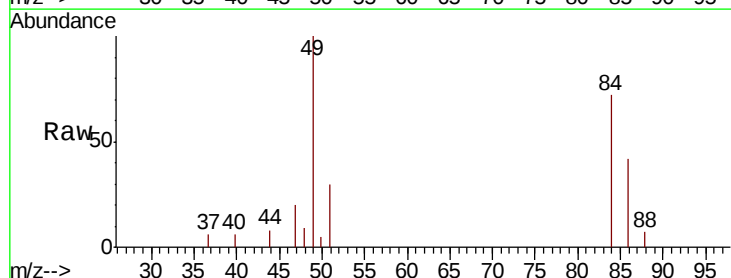
Tgt Ion: 84 Resp: 3183

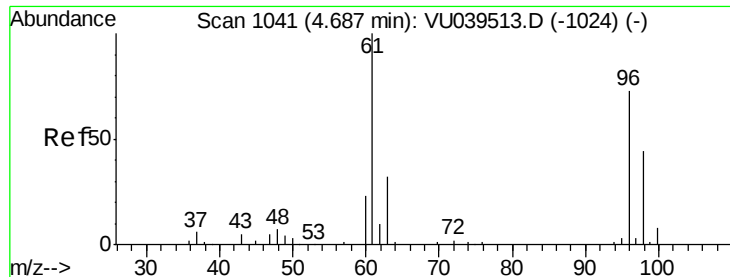
Ion Ratio Lower Upper

84 100

86 58.7 43.5 80.9

49 145.8 91.1 169.1

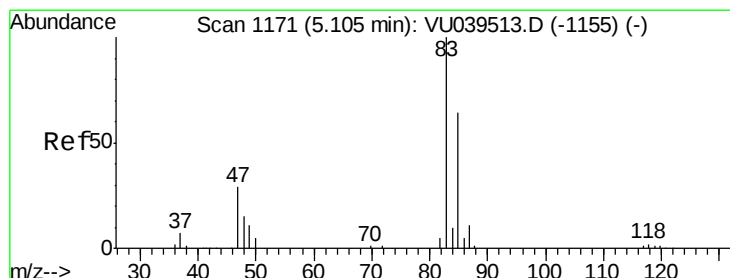
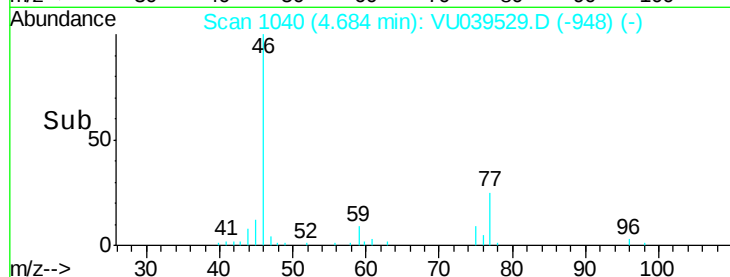
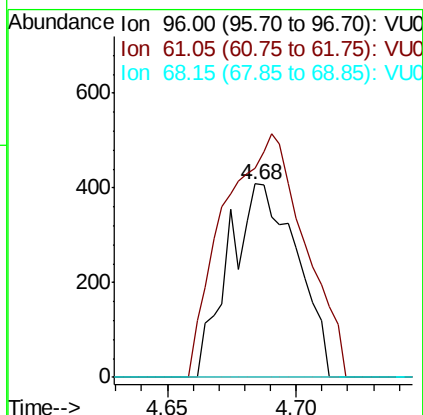
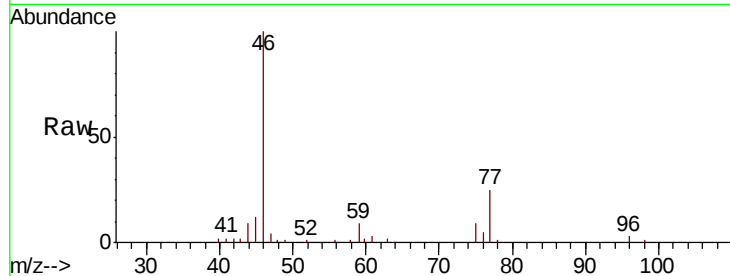




#22
 cis-1,2-Dichloroethene
 Concen: 0.109 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039529.D
 Acq: 16 Jul 2020 17:14

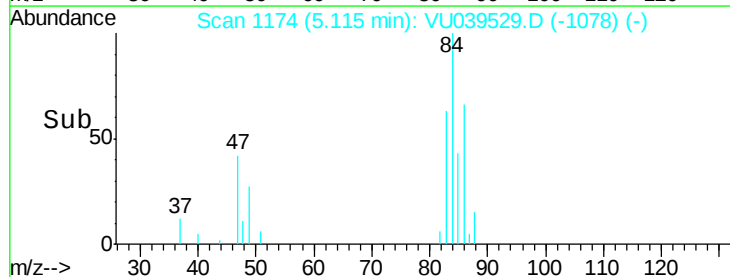
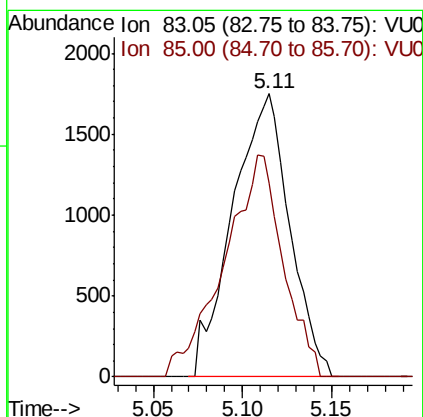
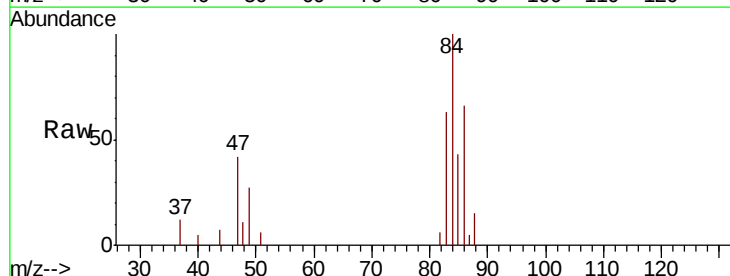
Instrument :
 MSVOA_U
 ClientSampleId :

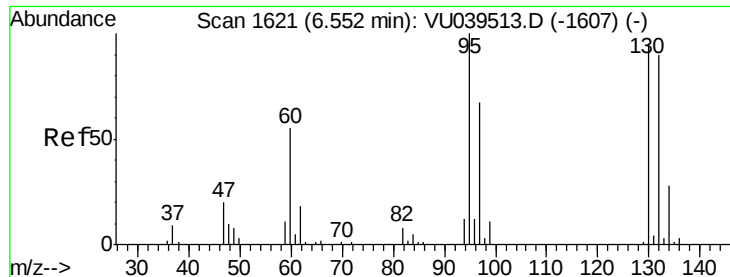
Tot Ion: 96 Resp: 748
 Ion Ratio Lower Upper
 96 100
 61 108.1 92.8 172.4
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.324 ug/L
 RT: 5.11 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VU039529.D
 Acq: 16 Jul 2020 17:14

Tgt Ion: 83 Resp: 3908
 Ion Ratio Lower Upper
 83 100
 85 68.5 44.9 83.5

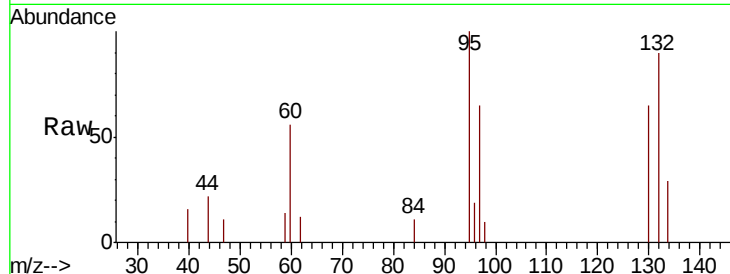




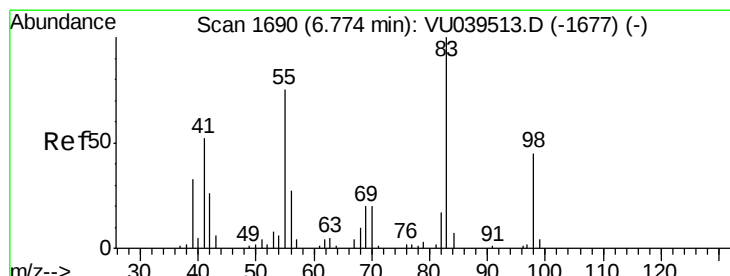
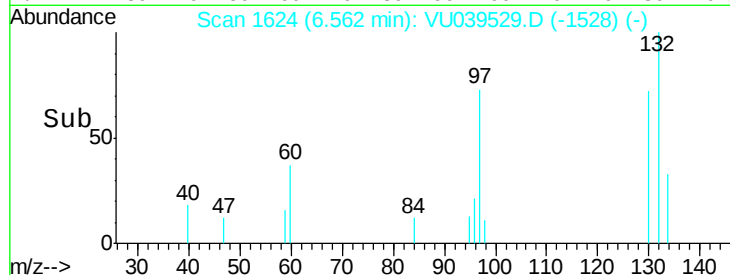
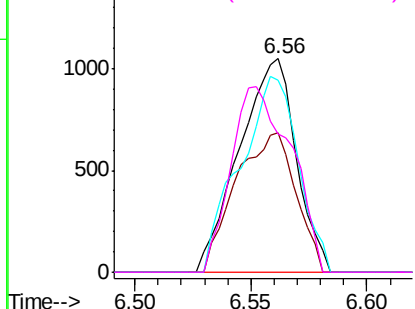
#34
 Trichloroethene
 Concen: 0.266 ug/L
 RT: 6.56 min Scan# 1624
 Delta R.T. 0.01 min
 Lab File: VU039529.D
 Acq: 16 Jul 2020 17:14

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 1790
 Ion Ratio Lower Upper
 95 100
 97 65.1 46.3 85.9
 132 89.7 64.0 118.8
 130 64.9 64.3 119.5

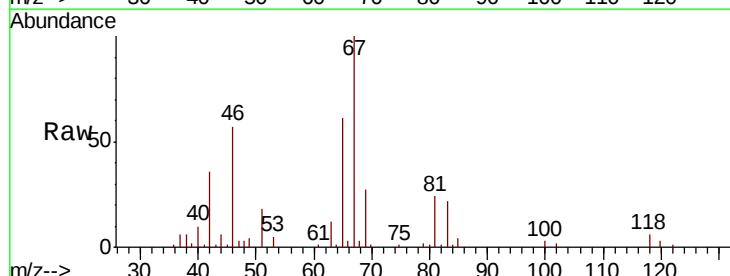


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

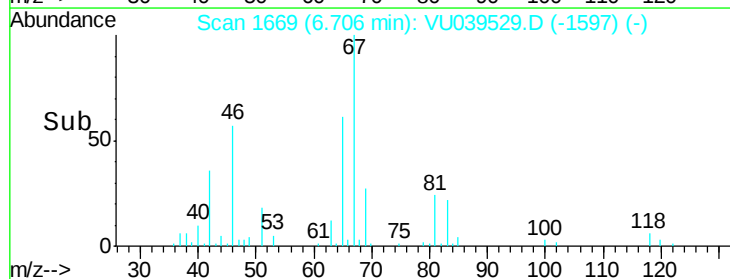
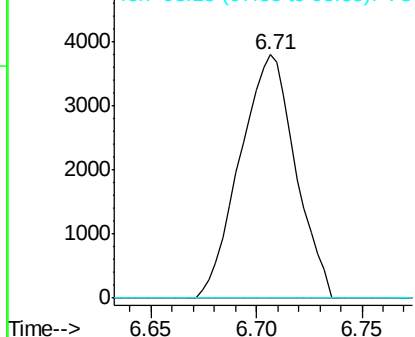


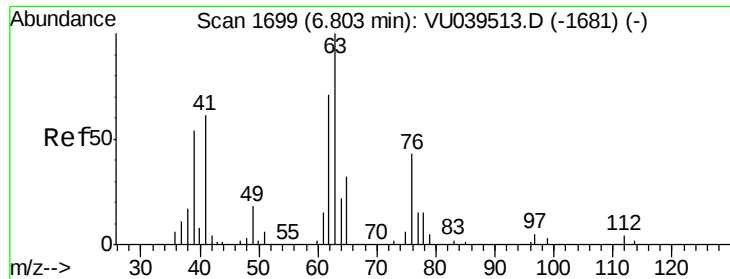
#35
 Methylcyclohexane
 Concen: 0.645 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU039529.D
 Acq: 16 Jul 2020 17:14

Tgt Ion: 83 Resp: 6939
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.1 93.1#
 98 1.0 35.9 53.9#



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

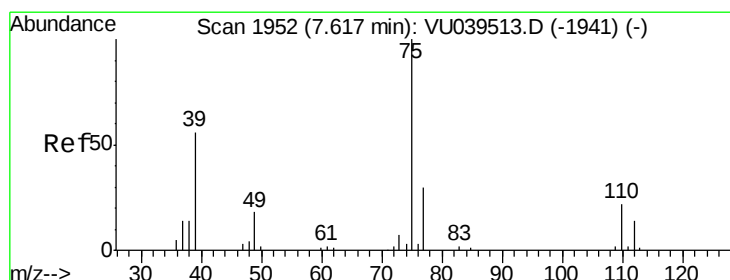
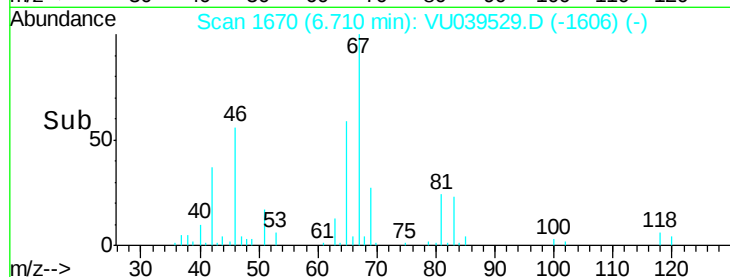
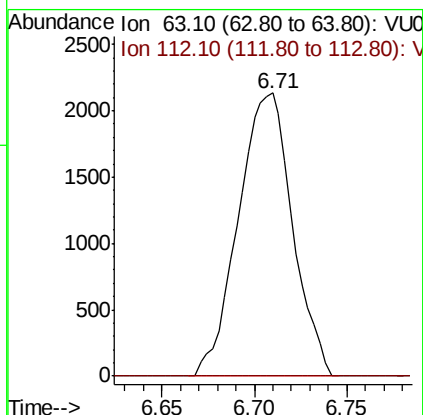
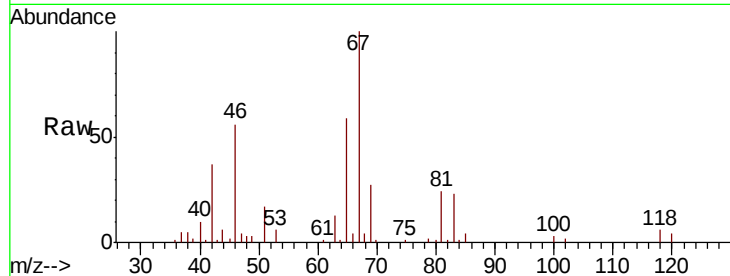




#37
 1,2-Dichloropropane
 Concen: 0.610 ug/L
 RT: 6.71 min Scan# 1670
 Delta R.T. -0.09 min
 Lab File: VU039529.D
 Acq: 16 Jul 2020 17:14

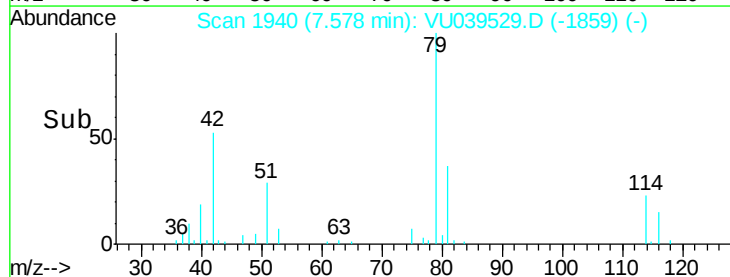
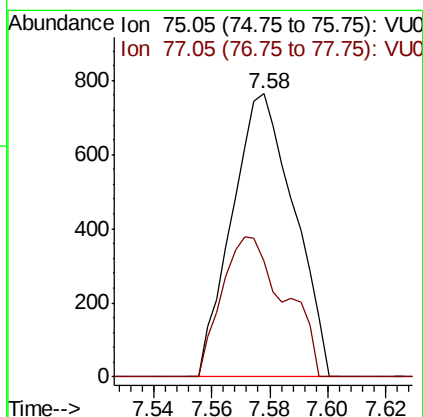
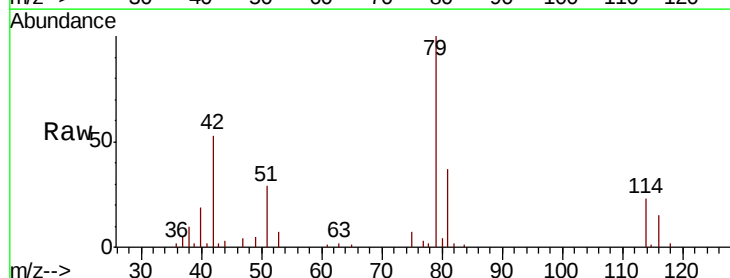
Instrument :
 MSVOA_U
 ClientSampleId :

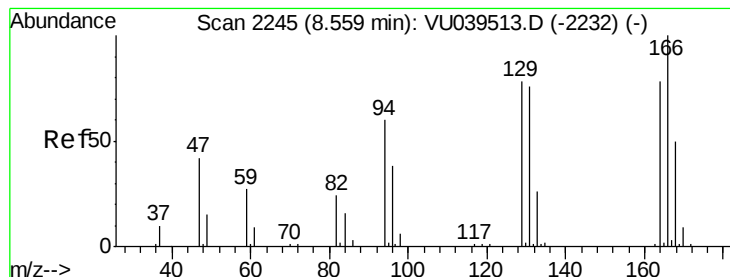
Tot Ion: 63 Resp: 4325
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.5 3.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039529.D
 Acq: 16 Jul 2020 17:14

Tgt Ion: 75 Resp: 1136
 Ion Ratio Lower Upper
 75 100
 77 41.1 22.3 41.3





#47

Tetrachloroethene

Concen: 0.670 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039529.D

Acq: 16 Jul 2020 17:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3132

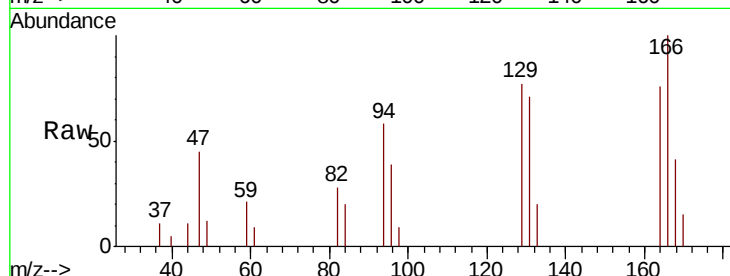
Ion Ratio Lower Upper

164 100

129 101.5 68.6 127.4

131 92.7 66.4 123.4

166 131.3 85.9 159.5

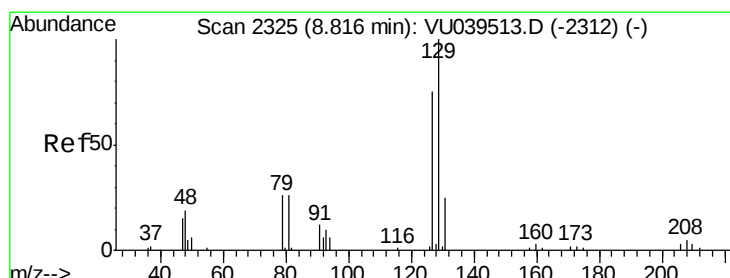
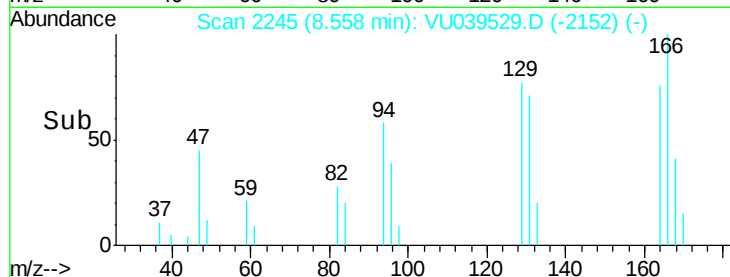
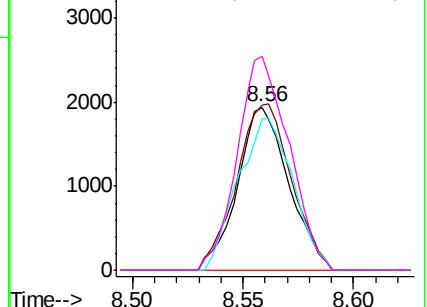


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.556 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU039529.D

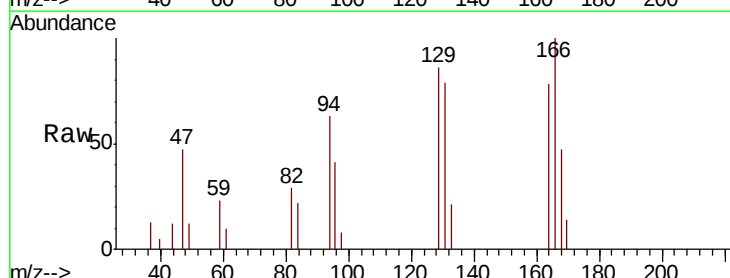
Acq: 16 Jul 2020 17:14

Tgt Ion:129 Resp: 3424

Ion Ratio Lower Upper

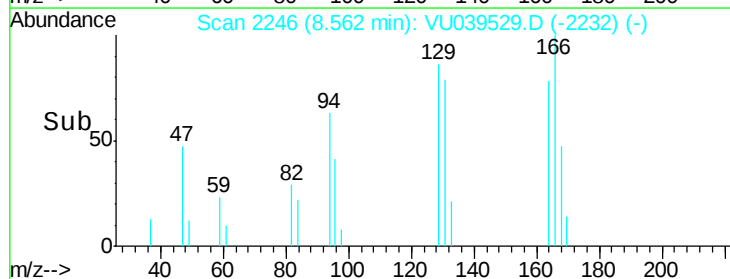
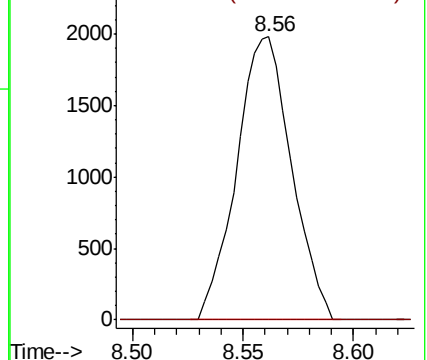
129 100

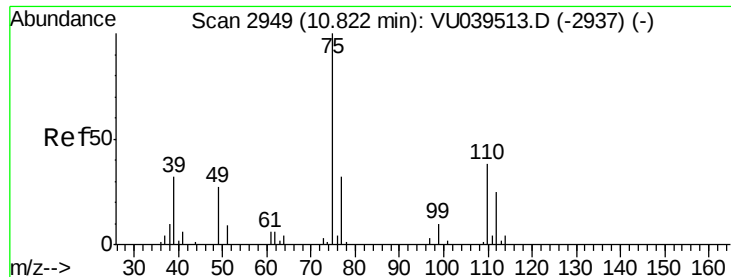
127 0.0 55.4 102.8#



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: 1.230 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039529.D

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Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6421

Ion Ratio Lower Upper

75 100

77 34.2 26.8 40.2

