

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\
 Data File : VU039526.D
 Acq On : 16 Jul 2020 16:05
 Operator : SY/MD
 Sample : L3292-07 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 17 01:10:47 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	95757	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	93447	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43246	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20051	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.93	69	25172	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.58	63	34879	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	4.66	46	106884	42.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.18%
24) Chloroform-d	5.09	84	50282	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.72	65	32212	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.75	84	94532	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.71	67	34318	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.91	98	84440	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.19	79	12713	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	8.64	63	76796	37.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.18%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	30198	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	32862	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

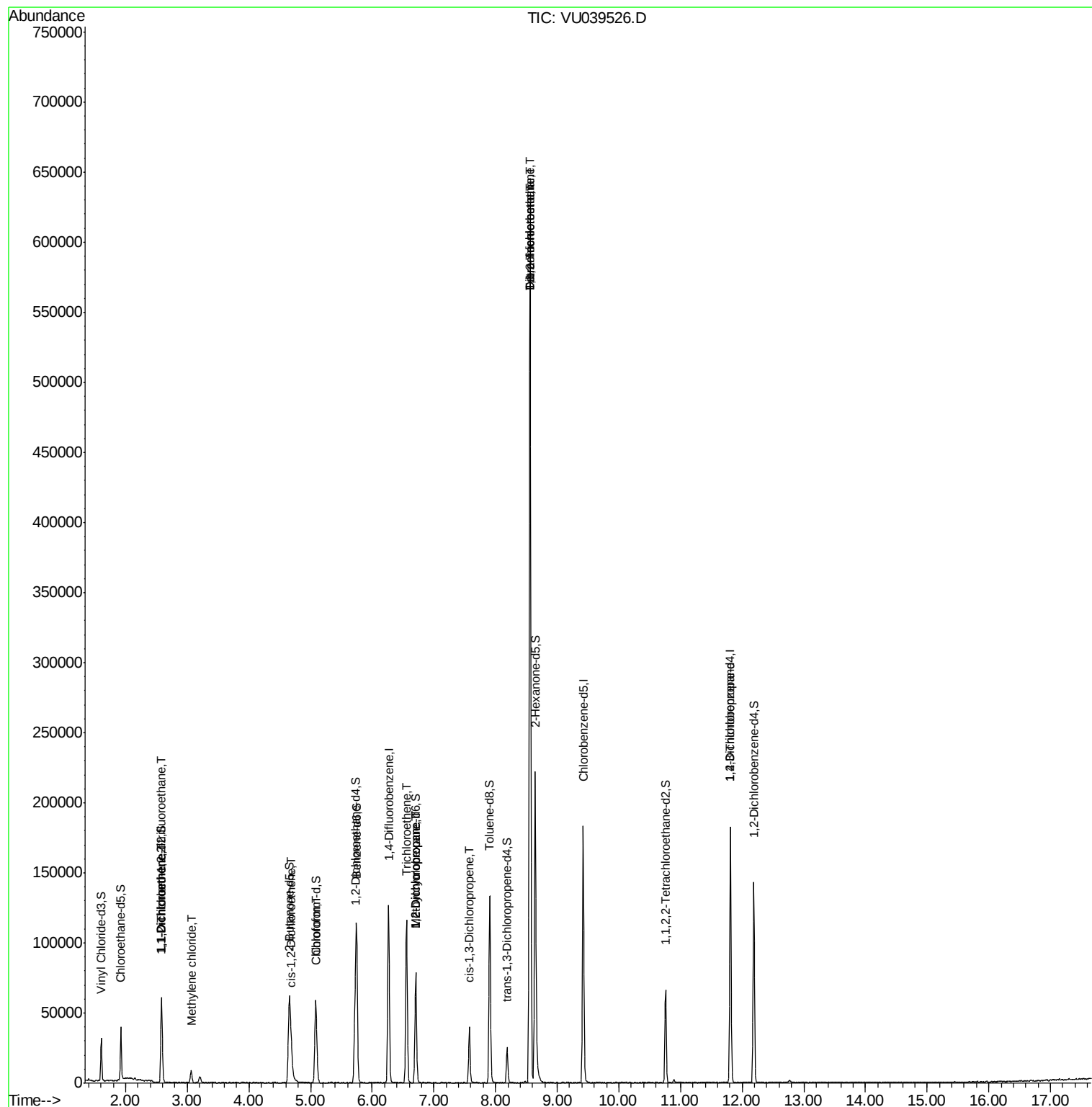
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1662	0.299	ug/L	89
12) 1,1-Dichloroethene	2.59	96	2490	0.437	ug/L #	1
16) Methylene chloride	3.06	84	3898	0.544	ug/L	91
22) cis-1,2-Dichloroethene	4.69	96	2780	0.393	ug/L	82
25) Chloroform	5.10	83	3619	0.291	ug/L	99
34) Trichloroethene	6.56	95	36169	5.008	ug/L	98
35) Methylcyclohexane	6.70	83	7558	0.653	ug/L #	31
37) 1,2-Dichloropropane	6.71	63	4111	0.540	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1292	0.112	ug/L	86
45) 1,1,2-Trichloroethane	8.56	97	1227	0.224	ug/L #	19
47) Tetrachloroethene	8.56	164	118479	23.582	ug/L	99
49) Dibromochloromethane	8.56	129	115269	17.396	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6873	1.224	ug/L	97

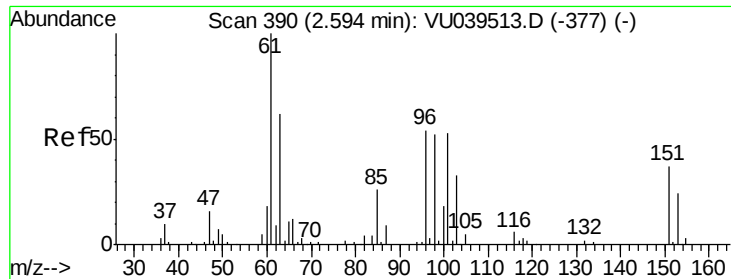
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.299 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039526.D

Acq: 16 Jul 2020 16:05

Instrument :

MSVOA_U

ClientSampleId :

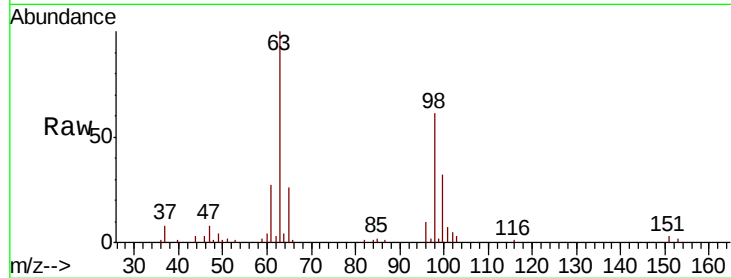
Tot Ion:101 Resp: 1662

Ion Ratio Lower Upper

101 100

85 41.5 38.9 58.3

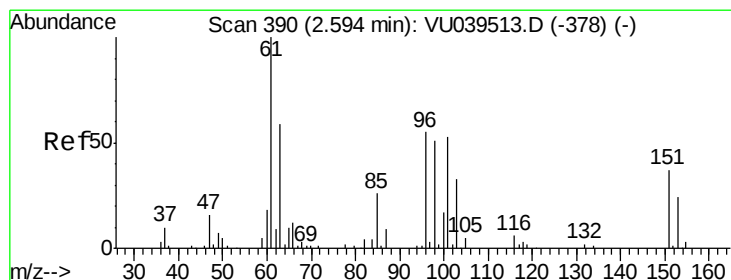
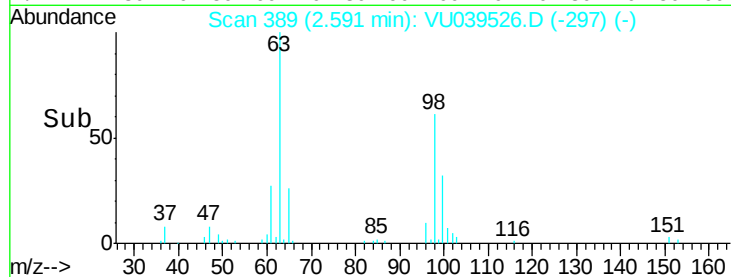
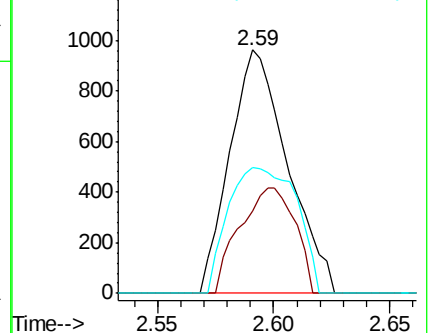
151 61.3 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.437 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039526.D

Acq: 16 Jul 2020 16:05

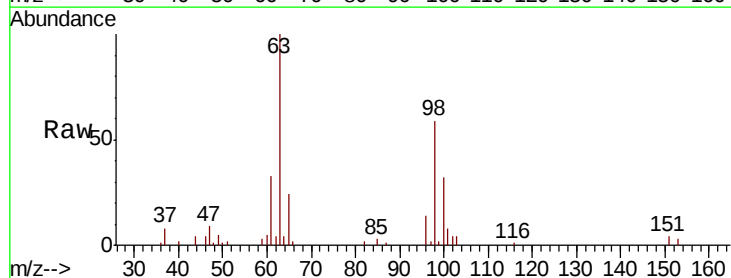
Tgt Ion: 96 Resp: 2490

Ion Ratio Lower Upper

96 100

61 236.0 125.4 232.8#

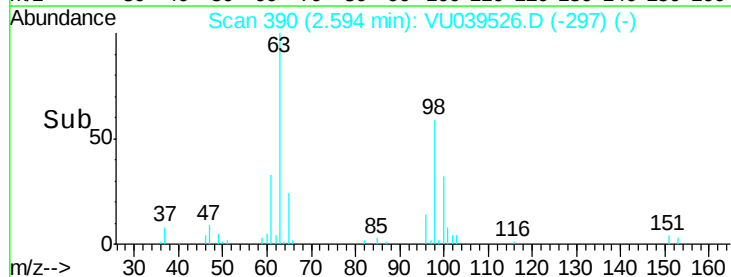
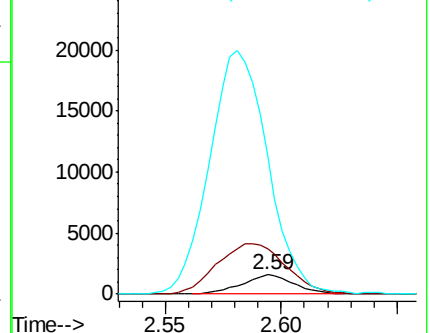
63 711.1 92.7 172.3#

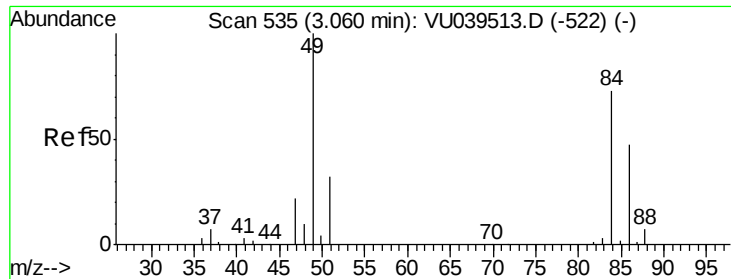


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

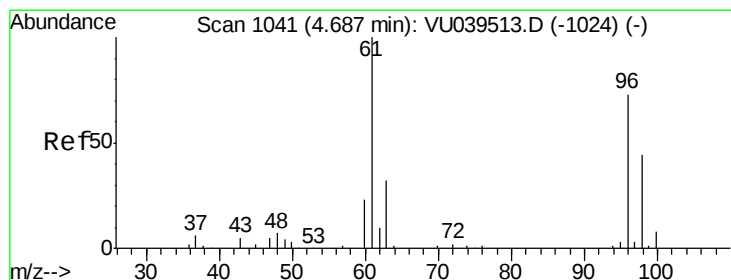
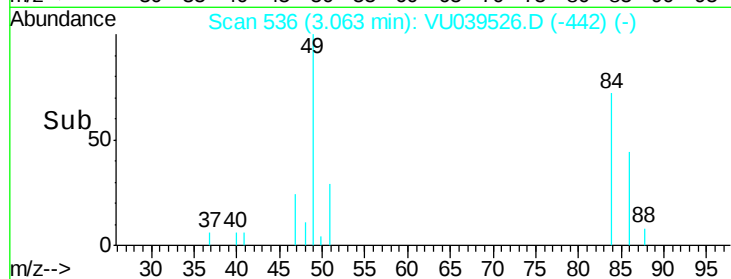
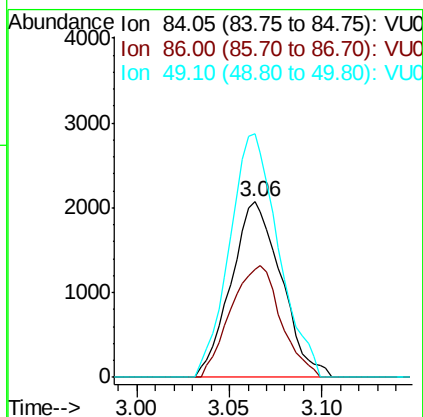
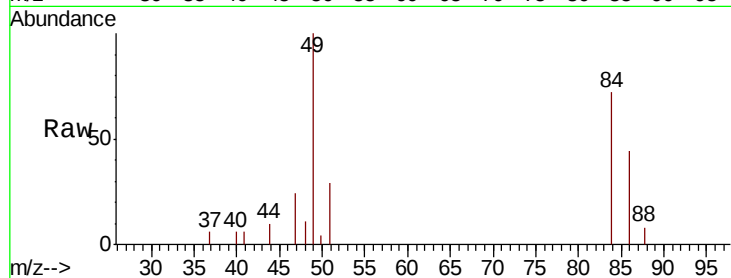




#16
Methvlene chloride
Concen: 0.544 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

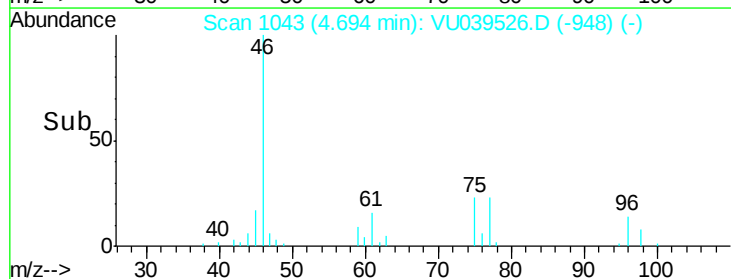
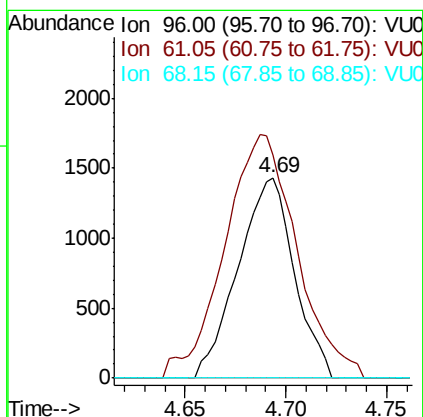
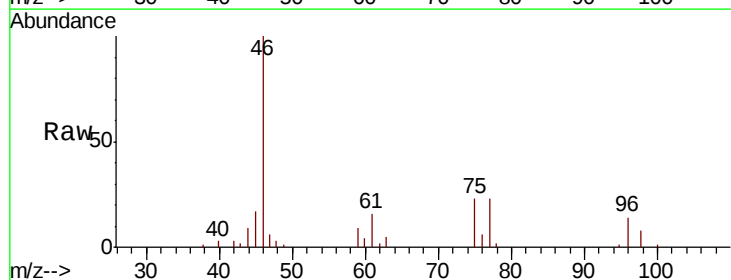
Instrument :
MSVOA_U
ClientSampleId :

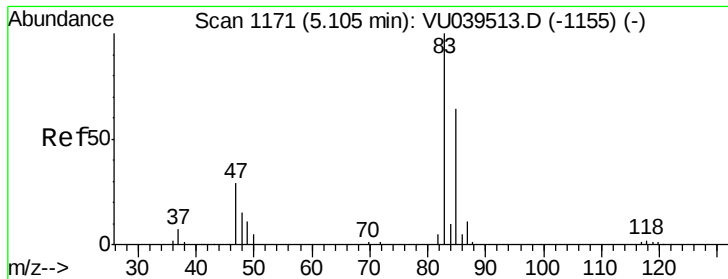
Tot Ion: 84 Resp: 3898
Ion Ratio Lower Upper
84 100
86 61.4 43.5 80.9
49 144.3 91.1 169.1



#22
cis-1,2-Dichloroethene
Concen: 0.393 ug/L
RT: 4.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

Tgt Ion: 96 Resp: 2780
Ion Ratio Lower Upper
96 100
61 111.6 92.8 172.4
68 0.0 0.0 0.0

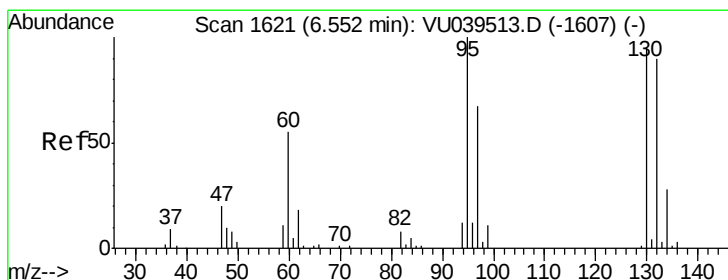
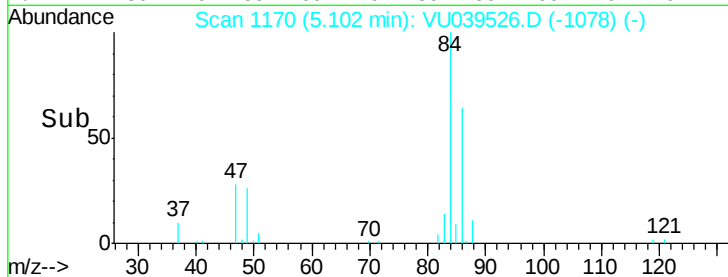
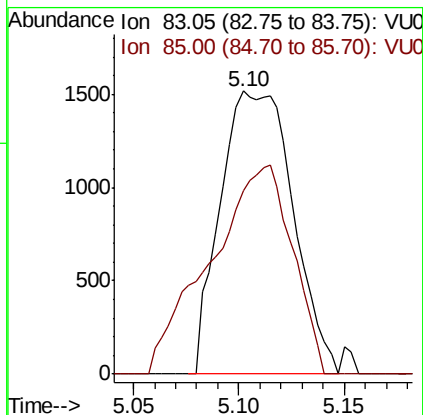
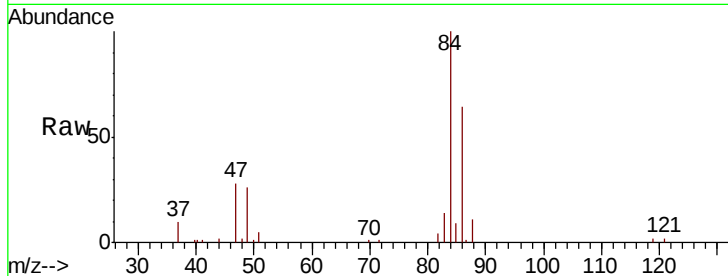




#25
Chloroform
Concen: 0.291 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

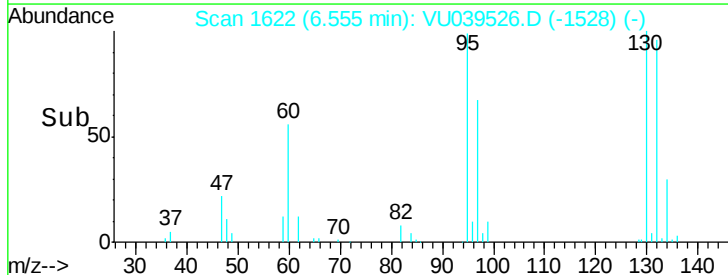
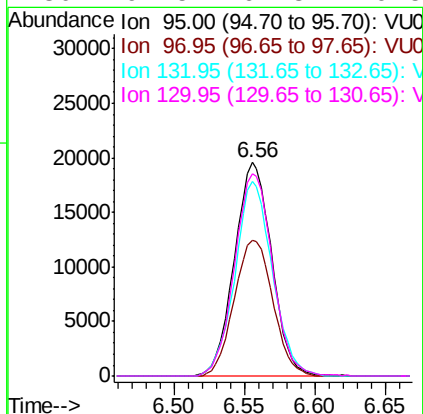
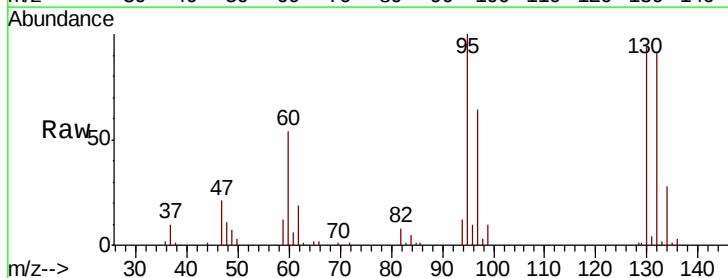
Instrument :
MSVOA_U
ClientSampleId :

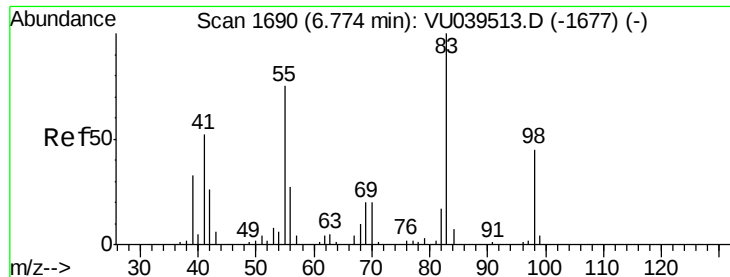
Tot Ion: 83 Resp: 3619
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.5



#34
Trichloroethene
Concen: 5.008 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

Tgt Ion: 95 Resp: 36169
Ion Ratio Lower Upper
95 100
97 63.6 46.3 85.9
132 90.8 64.0 118.8
130 94.5 64.3 119.5

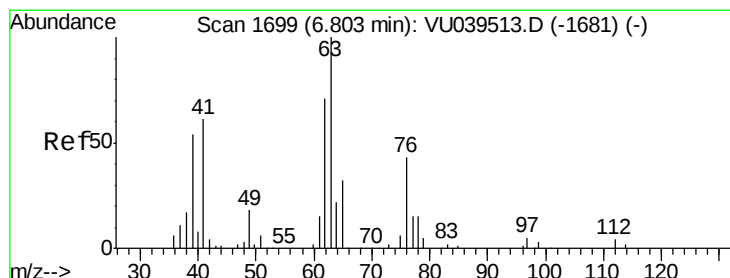
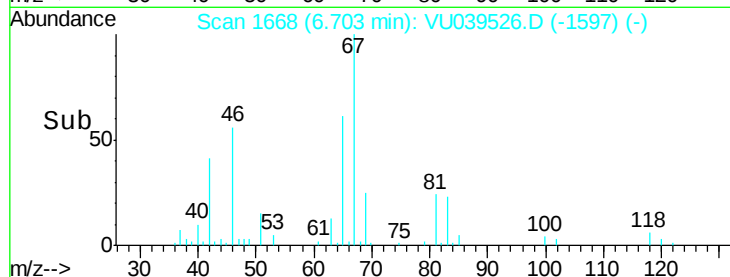
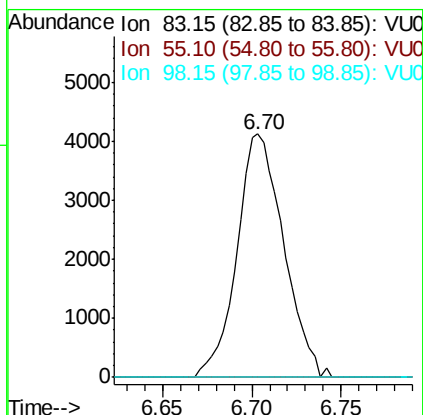
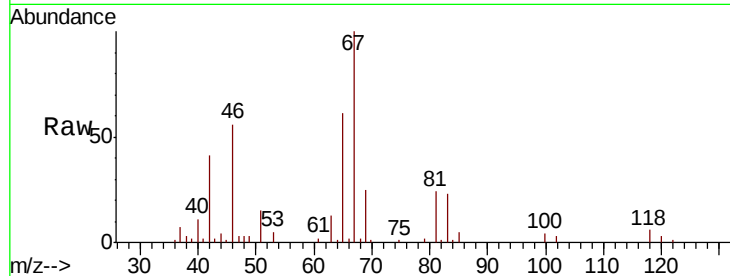




#35
Methvlcvclohexane
Concen: 0.653 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

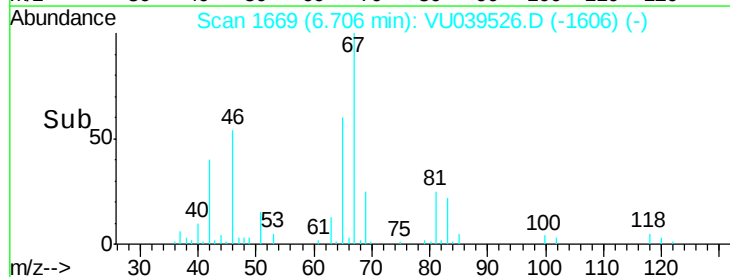
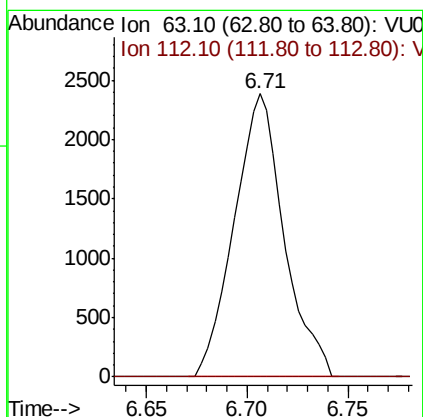
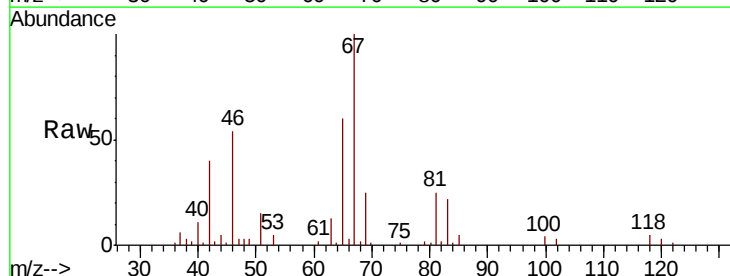
Instrument :
MSVOA_U
ClientSampled :

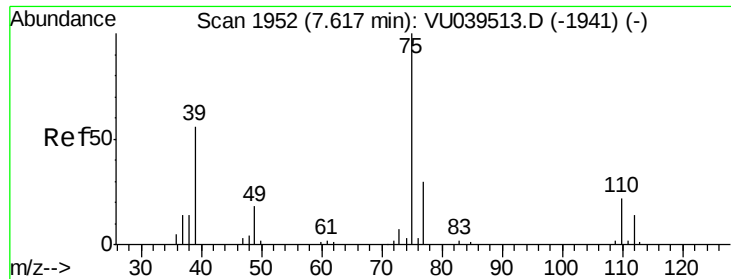
Tot Ion: 83 Resp: 7558
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 22.0 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.540 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

Tgt Ion: 63 Resp: 4111
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#

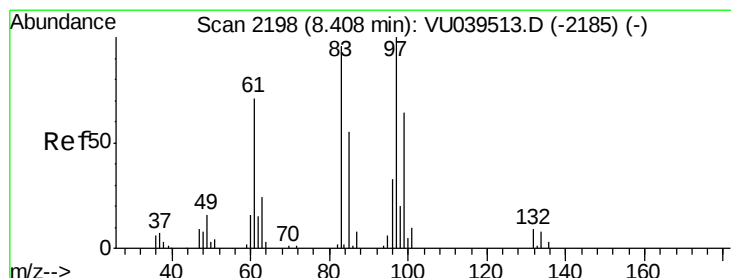
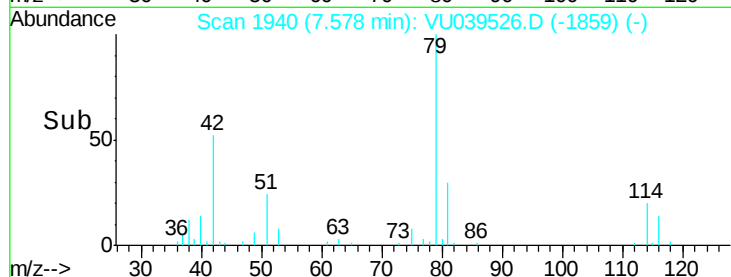
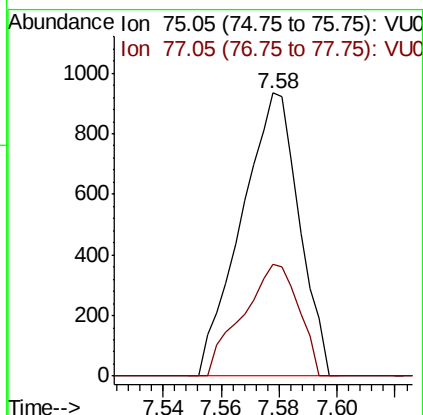
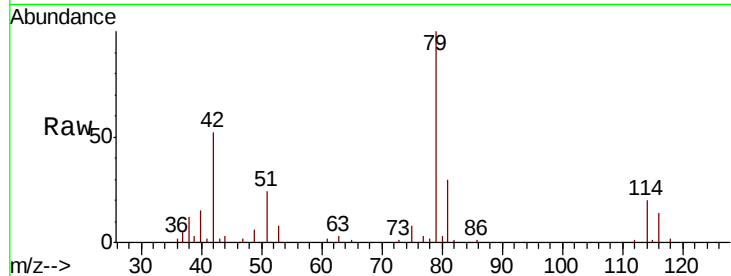




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039526.D
 Acq: 16 Jul 2020 16:05

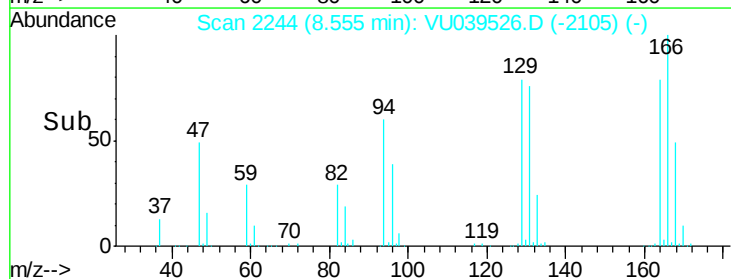
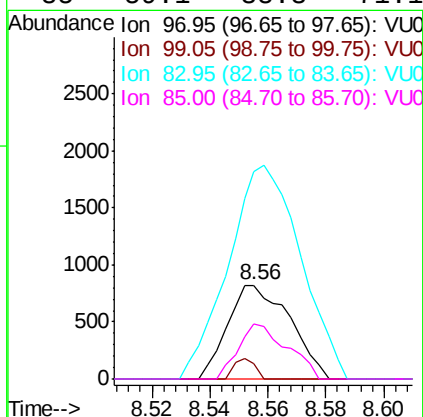
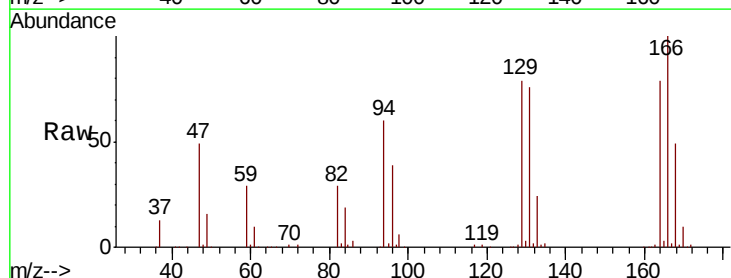
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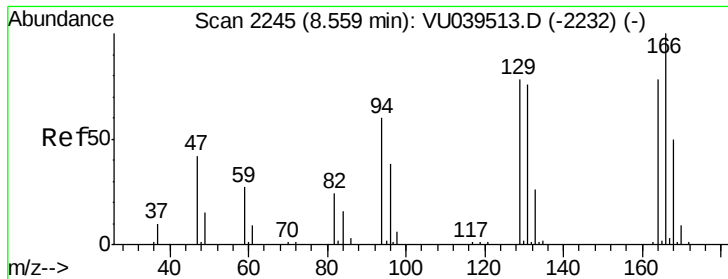
Tot Ion: 75 Resp: 1292
 Ion Ratio Lower Upper
 75 100
 77 39.7 22.3 41.3



#45
 1,1,2-Trichloroethane
 Concen: 0.224 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.15 min
 Lab File: VU039526.D
 Acq: 16 Jul 2020 16:05

Tgt Ion: 97 Resp: 1227
 Ion Ratio Lower Upper
 97 100
 99 16.3 40.7 75.7#
 83 220.7 60.6 112.6#
 85 59.1 38.3 71.1

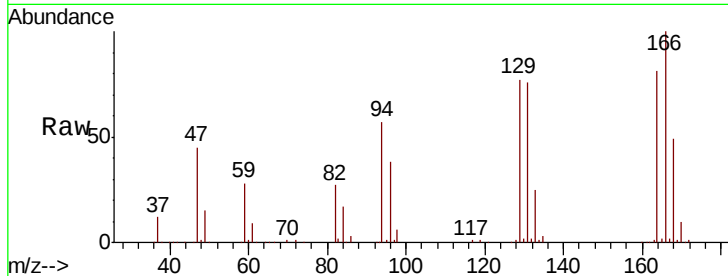




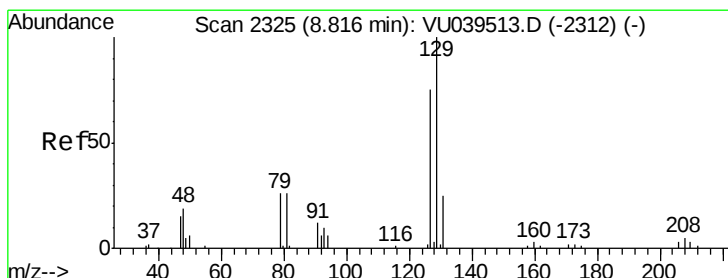
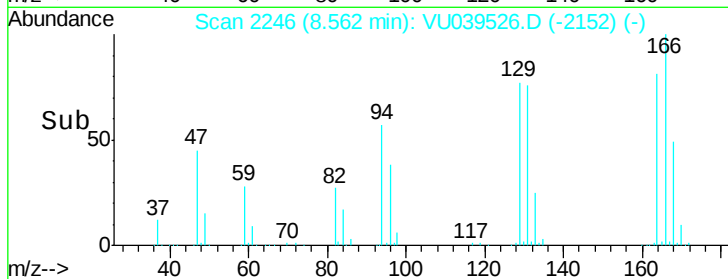
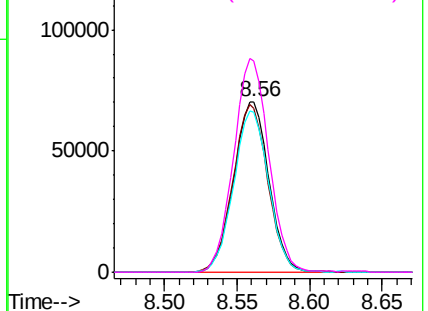
#47
Tetrachloroethene
Concen: 23.582 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
129	95.8	68.6	127.4
131	93.5	66.4	123.4
166	123.7	85.9	159.5

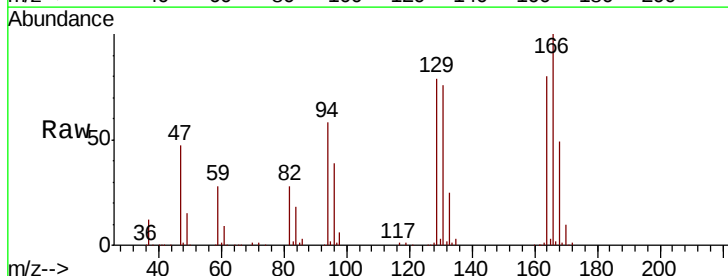


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

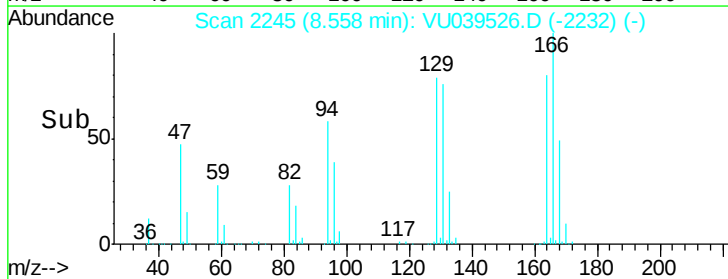
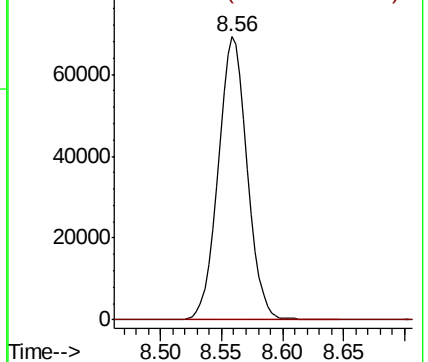


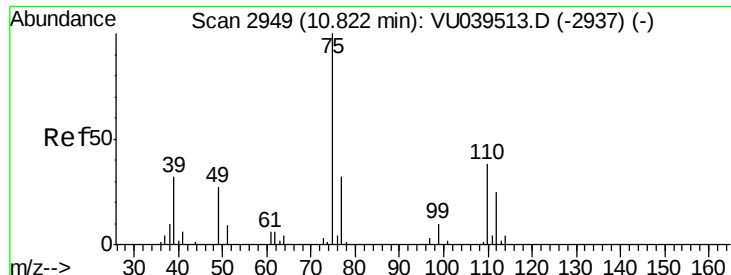
#49
Dibromochloromethane
Concen: 17.396 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU039526.D
Acq: 16 Jul 2020 16:05

Tgt 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: 1.224 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039526.D

Acq: 16 Jul 2020 16:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6873

Ion Ratio Lower Upper

75 100

77 35.2 26.8 40.2

