

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071620\
 Data File : VU039533.D
 Acq On : 16 Jul 2020 18:46
 Operator : SY/MD
 Sample : L3292-16 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 17 01:12:12 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	92937	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89661	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40544	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18787	3.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.80%
7) Chloroethane-d5	1.92	69	27010	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.58	63	32690	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.65	46	100508	40.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.56%
24) Chloroform-d	5.08	84	48340	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.72	65	32248	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.75	84	94159	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.71	67	32359	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.91	98	80800	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.19	79	12063	3.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.00%
46) 2-Hexanone-d5	8.64	63	71740	36.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.22%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	29659	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	33033	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

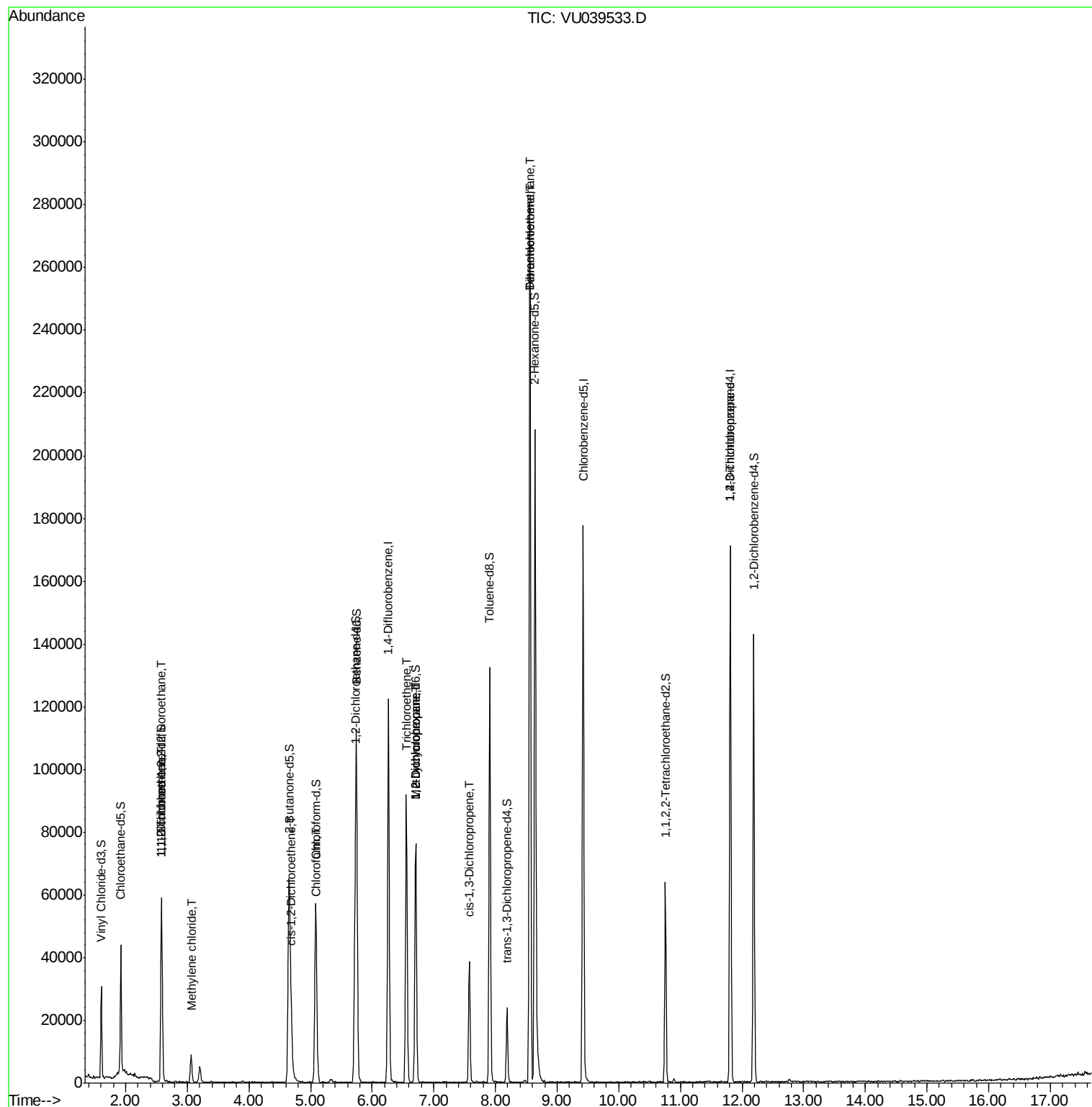
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	984	0.182	ug/L	98
12) 1,1-Dichloroethene	2.59	96	2714	0.491	ug/L #	1
16) Methylene chloride	3.07	84	3913	0.563	ug/L	90
22) cis-1,2-Dichloroethene	4.69	96	3627	0.529	ug/L	91
25) Chloroform	5.11	83	4003	0.331	ug/L	95
34) Trichloroethene	6.56	95	29282	4.225	ug/L	97
35) Methylcyclohexane	6.71	83	6793	0.612	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	3955	0.541	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1020	0.092	ug/L #	34
47) Tetrachloroethene	8.56	164	52526	10.896	ug/L	98
49) Dibromochloromethane	8.56	129	51771	8.143	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6537	1.214	ug/L #	88

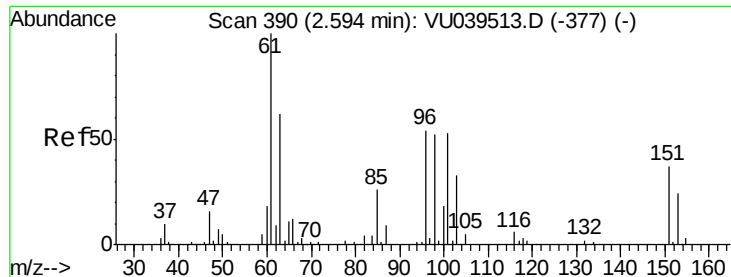
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.182 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039533.D

Acq: 16 Jul 2020 18:46

Instrument :

MSVOA_U

ClientSampleId :

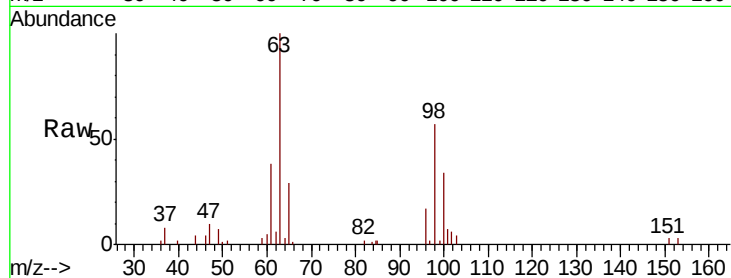
Tot Ion:101 Resp: 984

Ion Ratio Lower Upper

101 100

85 45.4 38.9 58.3

151 70.4 57.0 85.4



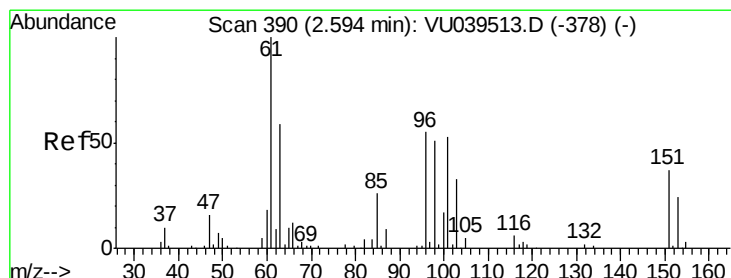
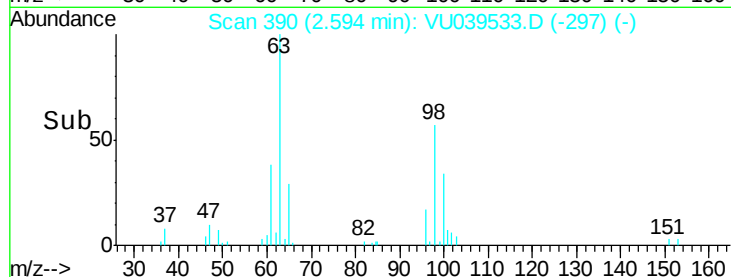
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

Time-->

2.56 2.58 2.60 2.62



#12

1,1-Dichloroethene

Concen: 0.491 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039533.D

Acq: 16 Jul 2020 18:46

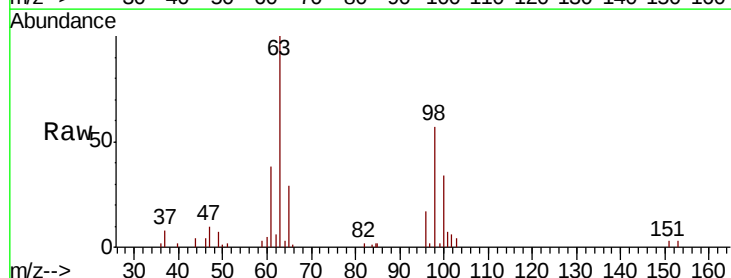
Tgt Ion: 96 Resp: 2714

Ion Ratio Lower Upper

96 100

61 218.0 125.4 232.8

63 574.3 92.7 172.3#



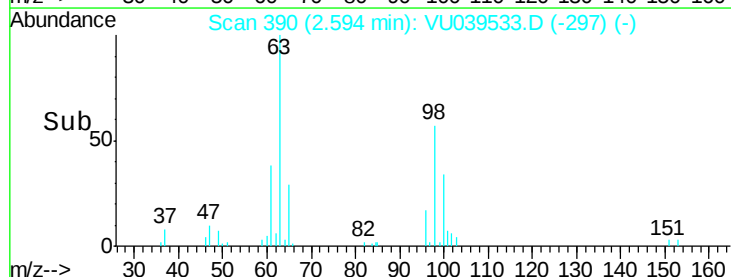
Abundance Ion 96.00 (95.70 to 96.70): VU0

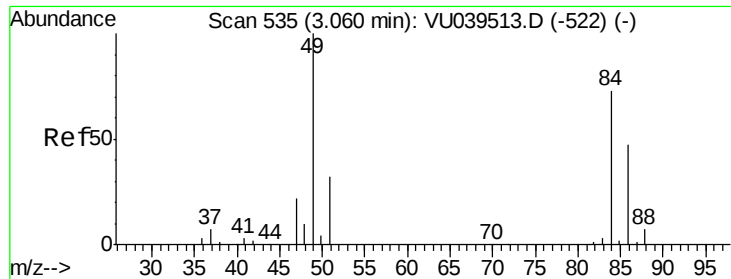
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

Time-->

2.55 2.60

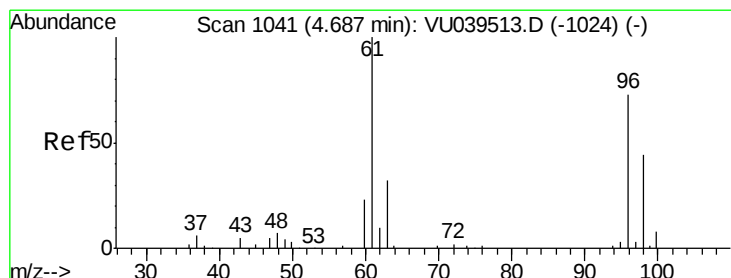
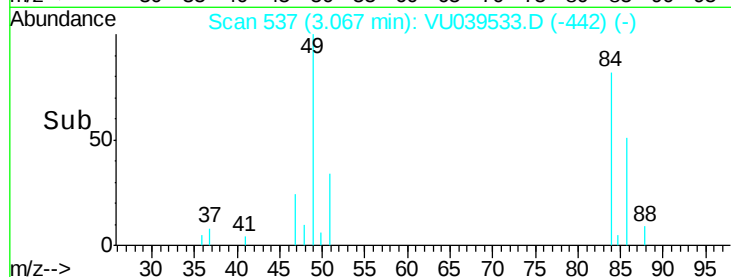
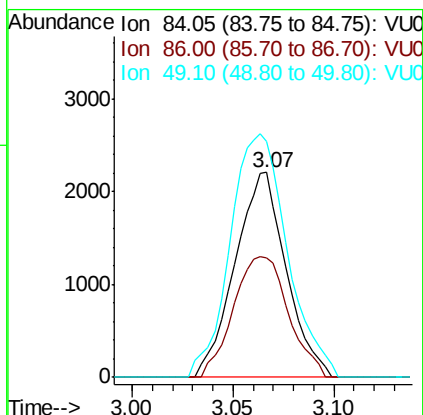
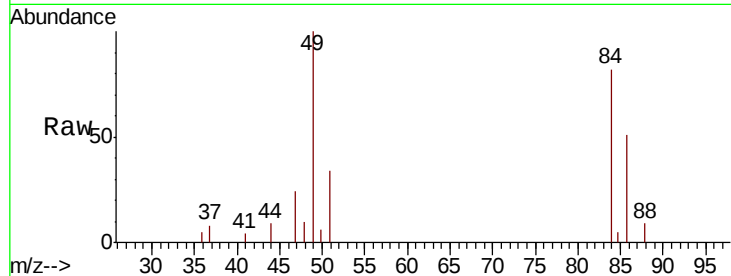




#16
Methylene chloride
Concen: 0.563 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.01 min
Lab File: VU039533.D
Acq: 16 Jul 2020 18:46

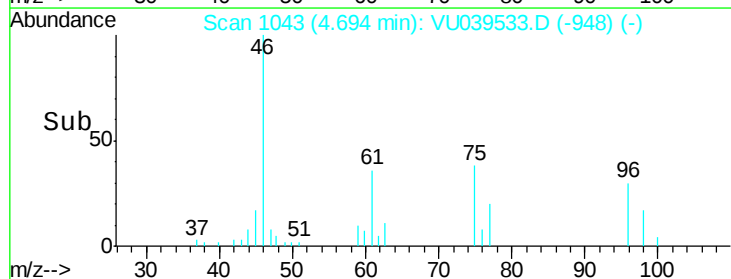
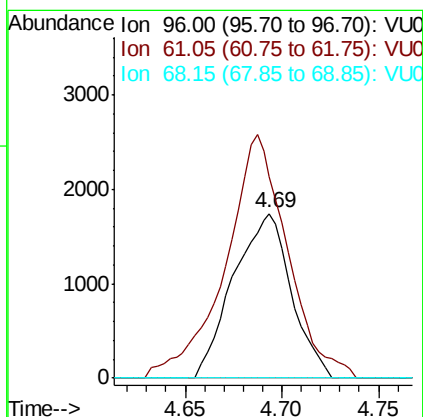
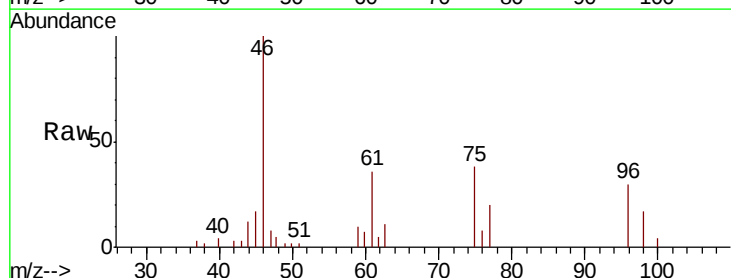
Instrument :
MSVOA_U
ClientSampled :

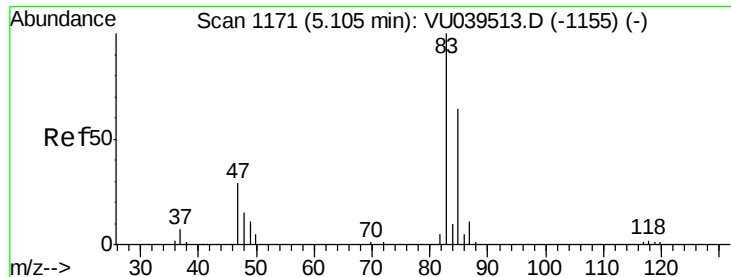
Tot Ion: 84 Resp: 3913
Ion Ratio Lower Upper
84 100
86 58.4 43.5 80.9
49 114.8 91.1 169.1



#22
cis-1,2-Dichloroethene
Concen: 0.529 ug/L
RT: 4.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VU039533.D
Acq: 16 Jul 2020 18:46

Tgt Ion: 96 Resp: 3627
Ion Ratio Lower Upper
96 100
61 122.3 92.8 172.4
68 0.0 0.0 0.0

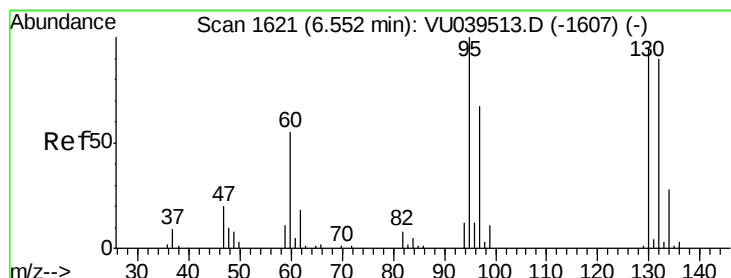
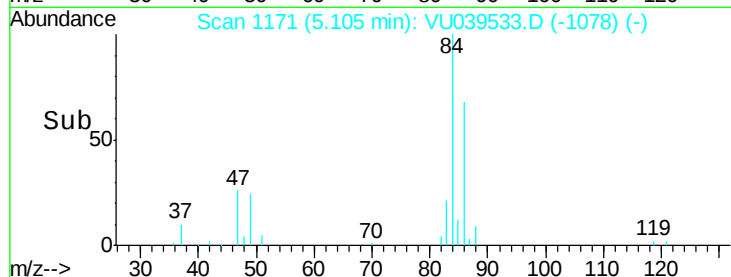
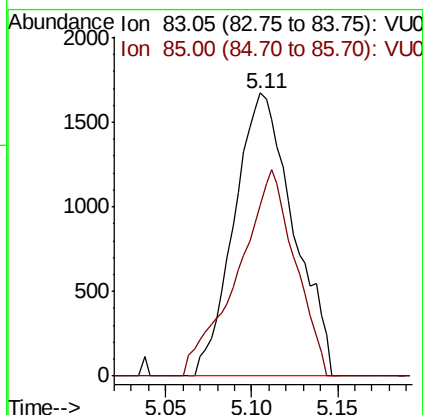
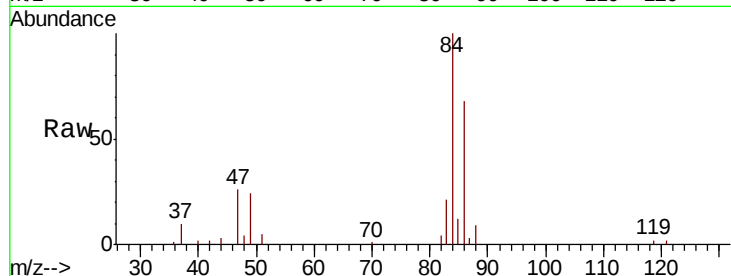




#25
Chloroform
Concen: 0.331 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039533.D
Acq: 16 Jul 2020 18:46

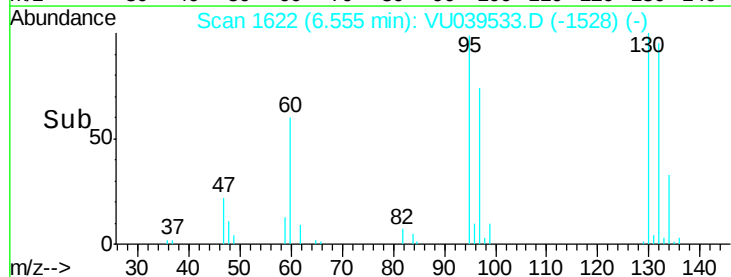
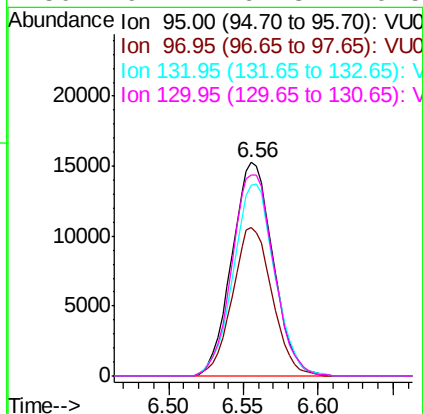
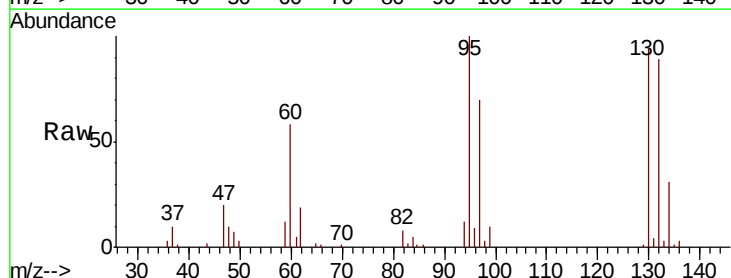
Instrument :
MSVOA_U
ClientSampleId :

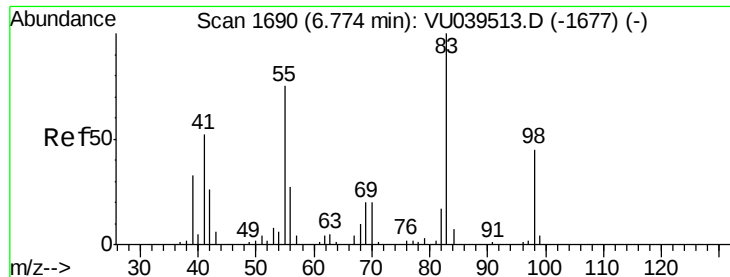
Tot Ion: 83 Resp: 4003
Ion Ratio Lower Upper
83 100
85 60.3 44.9 83.5



#34
Trichloroethene
Concen: 4.225 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039533.D
Acq: 16 Jul 2020 18:46

Tgt Ion: 95 Resp: 29282
Ion Ratio Lower Upper
95 100
97 69.5 46.3 85.9
132 89.3 64.0 118.8
130 94.2 64.3 119.5

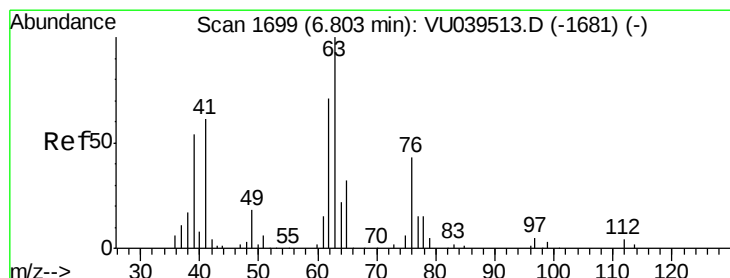
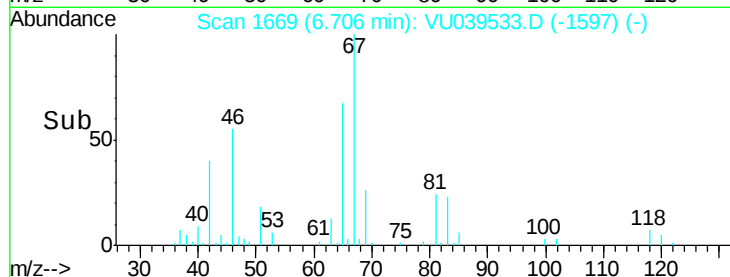
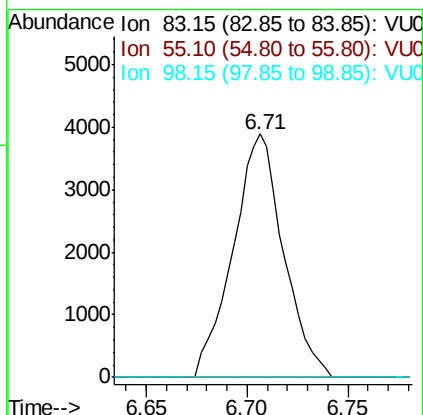
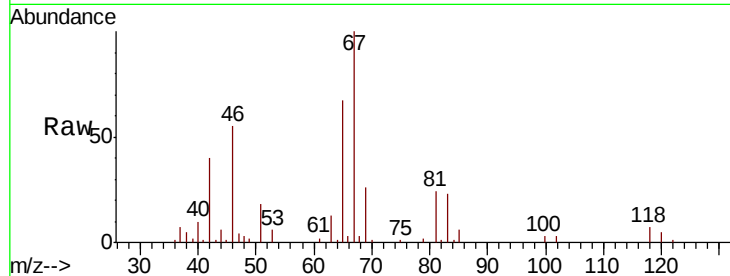




#35
Methvlcvclohexane
Concen: 0.612 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039533.D
Acq: 16 Jul 2020 18:46

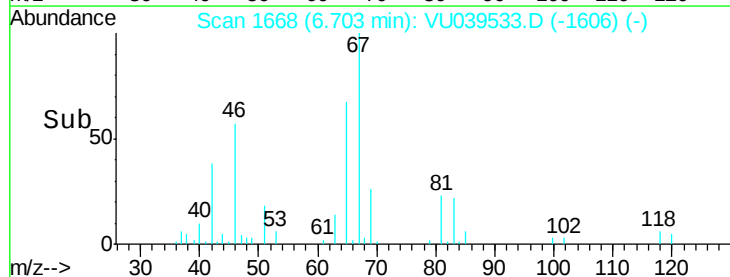
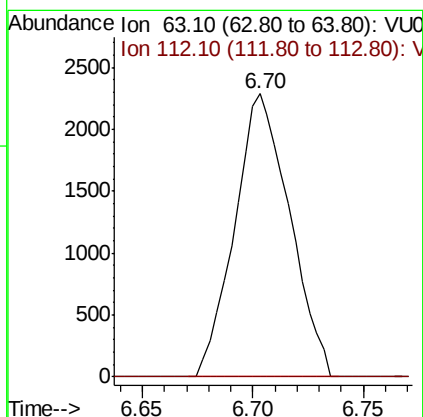
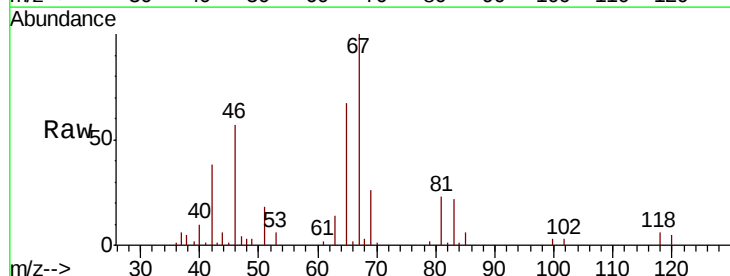
Instrument :
MSVOA_U
ClientSampleId :

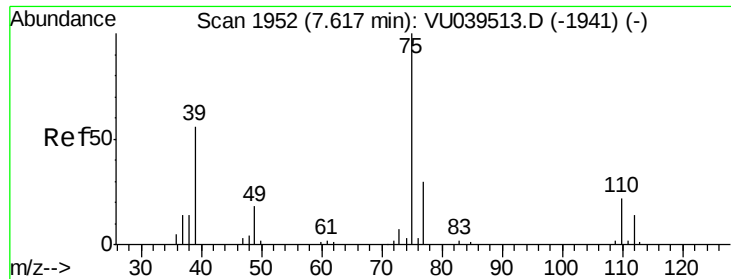
Tot Ion: 83 Resp: 6793
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.541 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039533.D
Acq: 16 Jul 2020 18:46

Tgt Ion: 63 Resp: 3955
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#

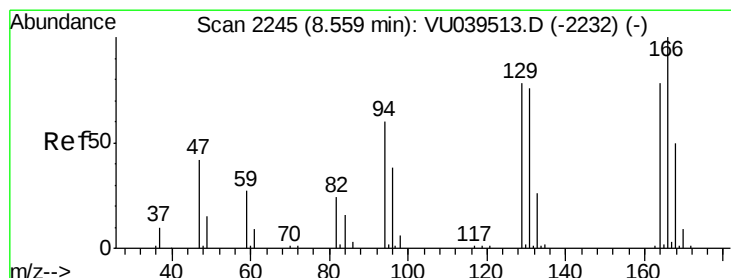
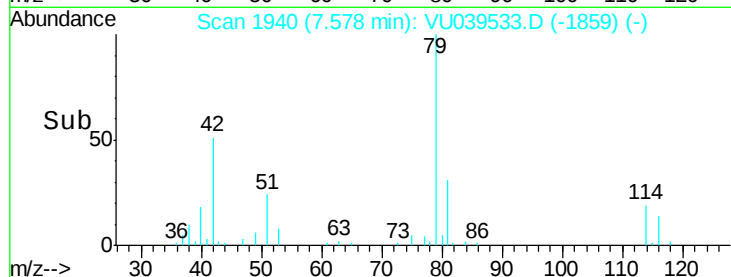
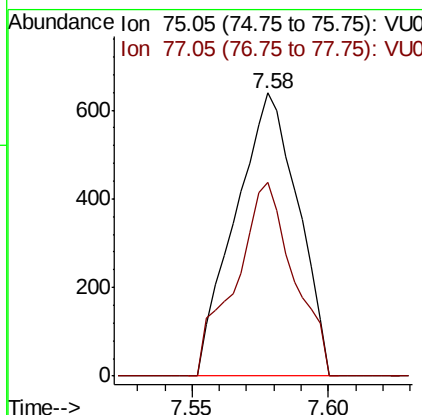
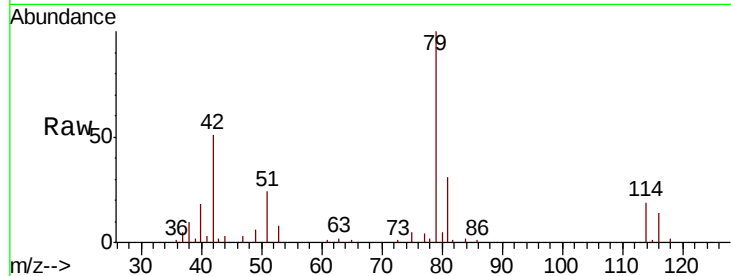




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039533.D
 Acq: 16 Jul 2020 18:46

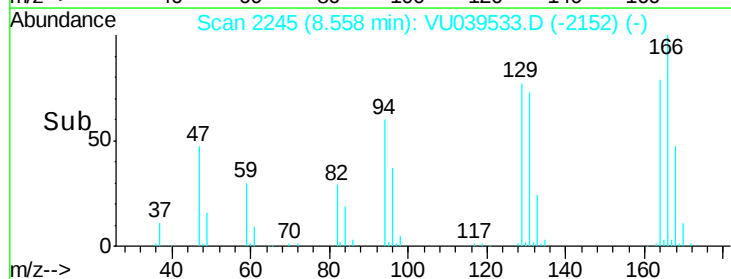
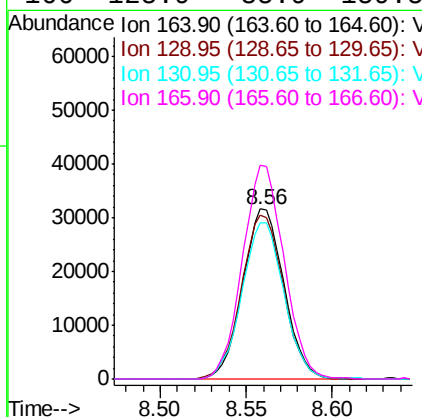
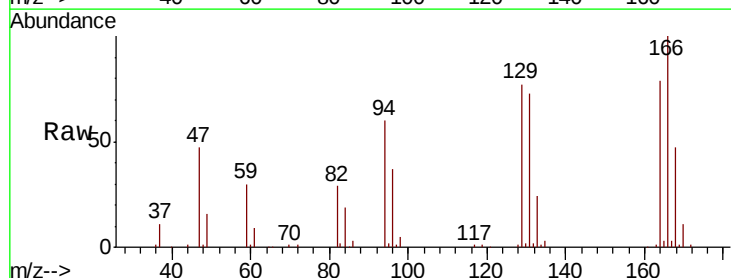
Instrument :
 MSVOA_U
 ClientSampleId :

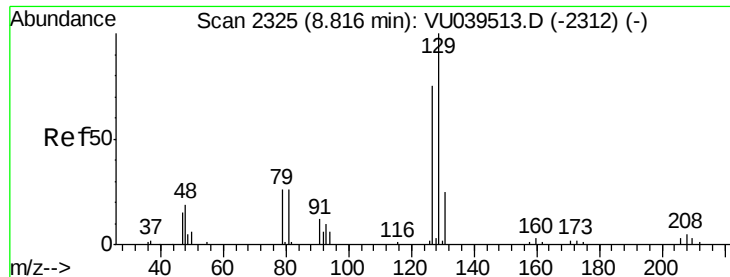
Tot Ion: 75 Resp: 1020
 Ion Ratio Lower Upper
 75 100
 77 68.5 22.3 41.3#



#47
 Tetrachloroethene
 Concen: 10.896 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039533.D
 Acq: 16 Jul 2020 18:46

Tgt Ion: 164 Resp: 52526
 Ion Ratio Lower Upper
 164 100
 129 96.8 68.6 127.4
 131 92.0 66.4 123.4
 166 125.9 85.9 159.5





#49

Dibromochloromethane

Concen: 8.143 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039533.D

Acq: 16 Jul 2020 18:46

Instrument :

MSVOA_U

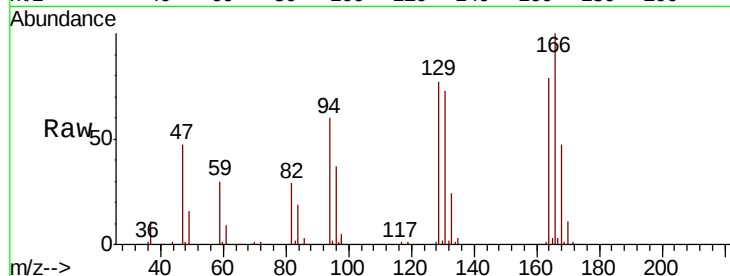
ClientSampleId :

Tot Ion:129 Resp: 51771

Ion Ratio Lower Upper

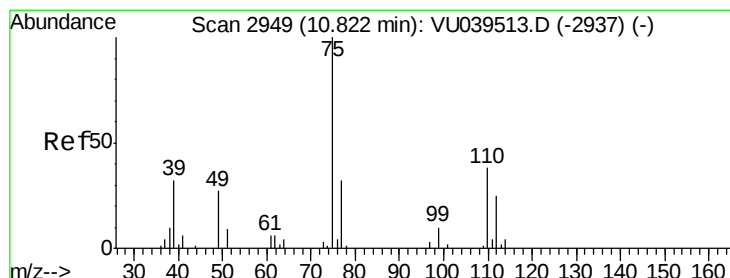
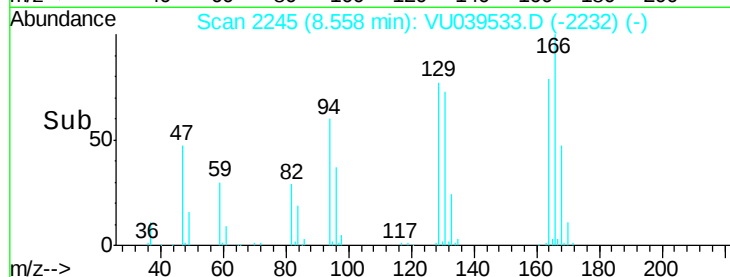
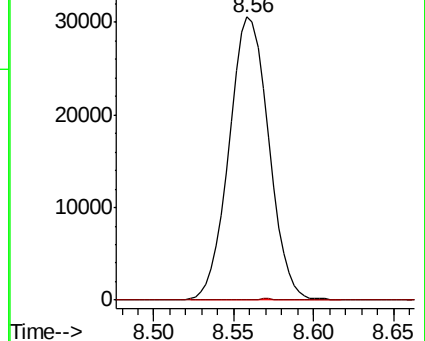
129 100

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: 1.214 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039533.D

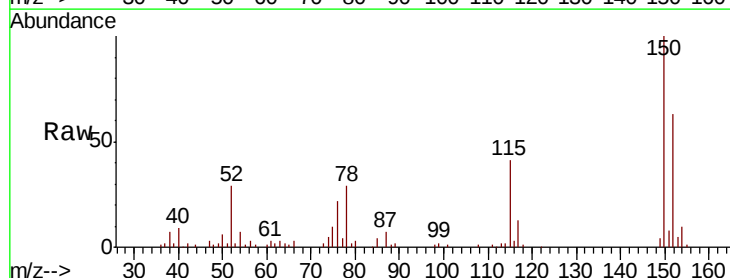
Acq: 16 Jul 2020 18:46

Tgt Ion: 75 Resp: 6537

Ion Ratio Lower Upper

75 100

77 40.4 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

