

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080620\
 Data File : VU039769.D
 Acq On : 06 Aug 2020 20:14
 Operator : SY/MD
 Sample : L3578-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 07 04:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 07 04:28:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	91681	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	86906	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	40655	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33863	6.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.80%#
7) Chloroethane-d5	1.92	69	23709	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.58	63	38369	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.68	46	132924	61.05	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.10%
24) Chloroform-d	5.08	84	56112	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	33246	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.74	84	101296	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.70	67	34620	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.91	98	80093	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	12419	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	73416	49.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	30090	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	35408	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	2428	0.312	ug/L 86
5) Vinyl chloride	1.61	62	1061040	142.340	ug/L 97
8) Chloroethane	1.97	64	2206	0.404	ug/L # 50
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	18413	2.927	ug/L 95
12) 1,1-Dichloroethene	2.59	96	7781	1.423	ug/L # 61
14) Carbon disulfide	2.81	76	5512	0.322	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	201121	33.032	ug/L 95
22) cis-1,2-Dichloroethene	4.69	96	11371957	1717.199	ug/L # 75
33) Benzene	5.79	78	2052	0.087	ug/L 100
34) Trichloroethene	6.56	95	13605	2.212	ug/L 96
35) Methylcyclohexane	6.71	83	8219	0.837	ug/L # 19
37) 1,2-Dichloropropane	6.70	63	4287	0.682	ug/L # 86
39) cis-1,3-Dichloropropene	7.57	75	1162	0.135	ug/L # 82
42) Toluene	7.98	91	5890	0.237	ug/L 89
48) 2-Hexanone	8.64	43	9570	2.820	ug/L # 70
52) Ethylbenzene	9.57	91	7546	0.271	ug/L 89
53) m,p-Xylene	9.70	106	2187	0.206	ug/L 80

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 07 04:28:48 2020
Response via : Initial Calibration

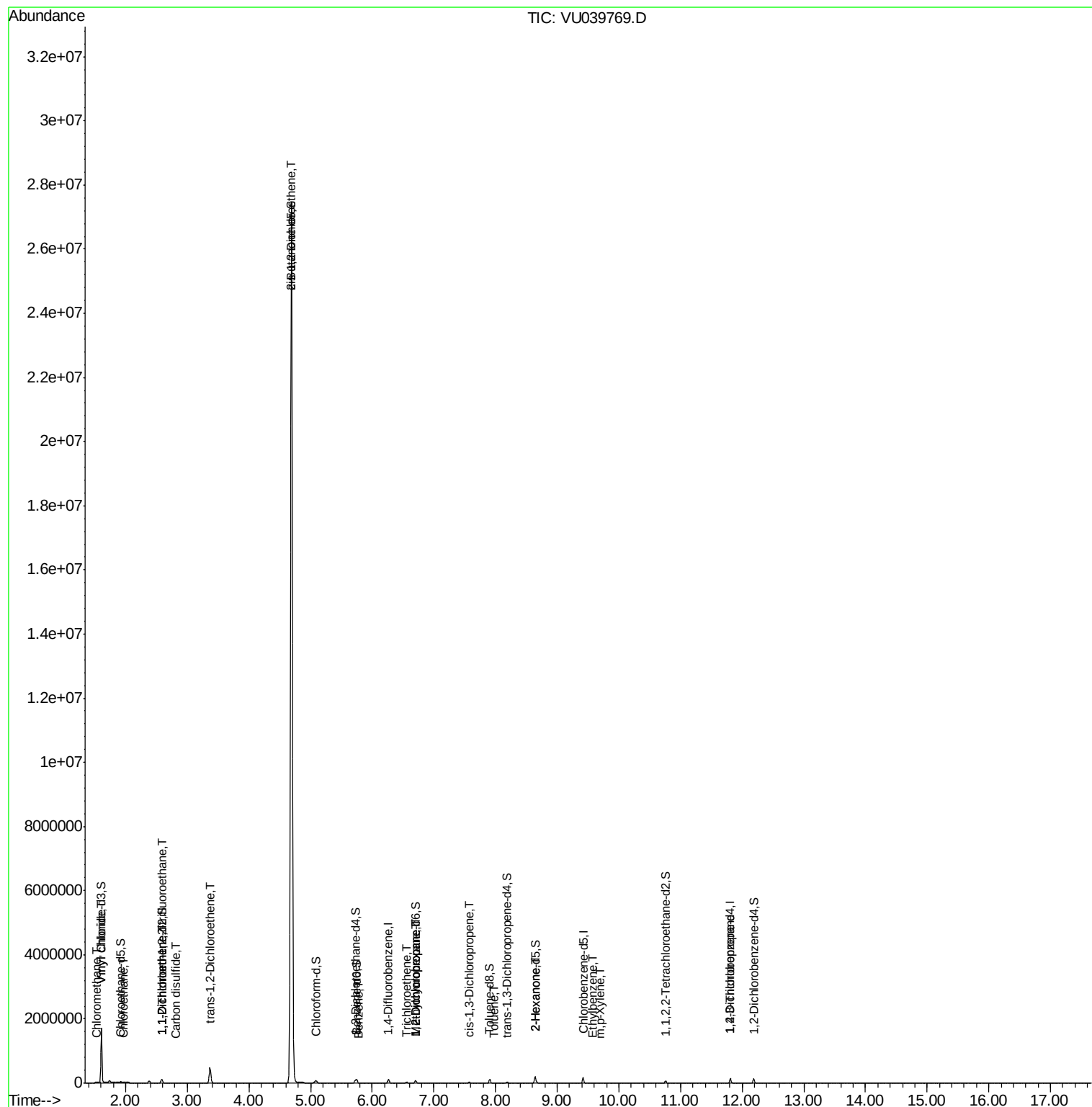
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
59) 1,2,3-Trichloropropane	11.81	75	5210	1.148	ug/L #	84
-----	-----	-----	-----	-----	-----	-----

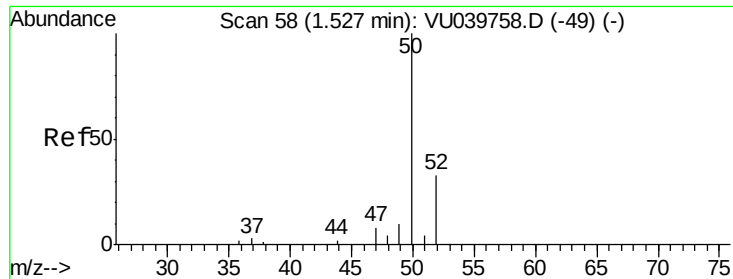
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.312 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU039769.D

Acq: 06 Aug 2020 20:14

Instrument :

MSVOA_U

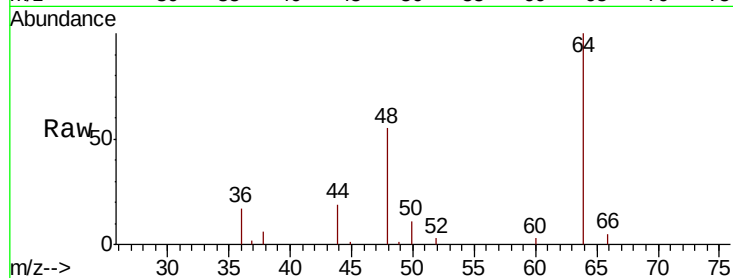
ClientSampleId :

Tot Ion: 50 Resp: 2428

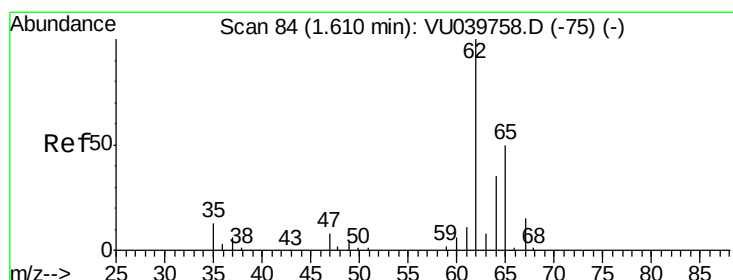
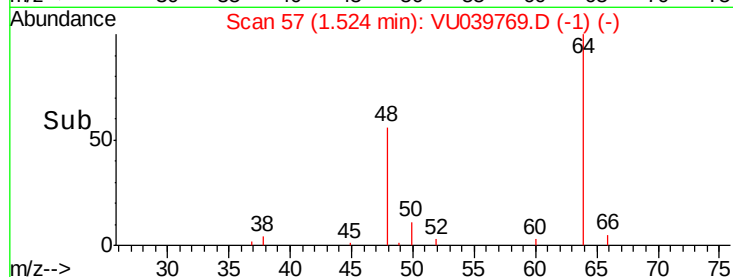
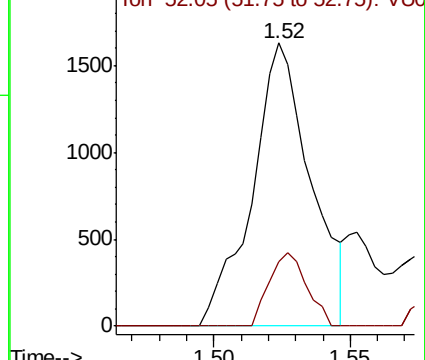
Ion Ratio Lower Upper

50 100

52 22.9 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU039769.D (-1) (-)



#5

Vinyl chloride

Concen: 142.340 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039769.D

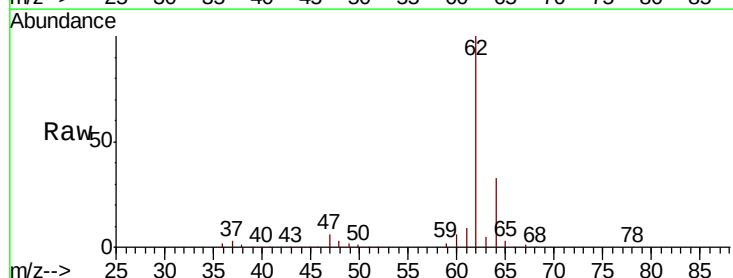
Acq: 06 Aug 2020 20:14

Tgt Ion: 62 Resp: 1061040

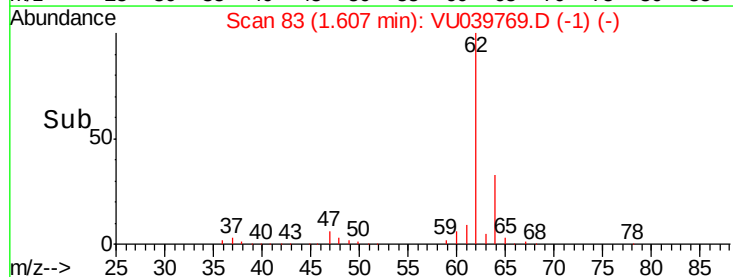
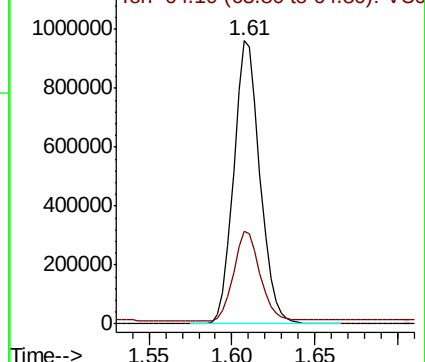
Ion Ratio Lower Upper

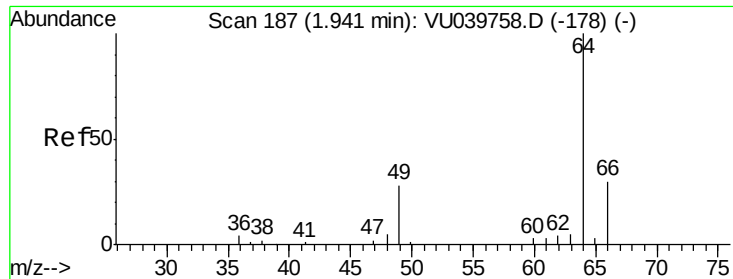
62 100

64 32.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU039769.D (-1) (-)

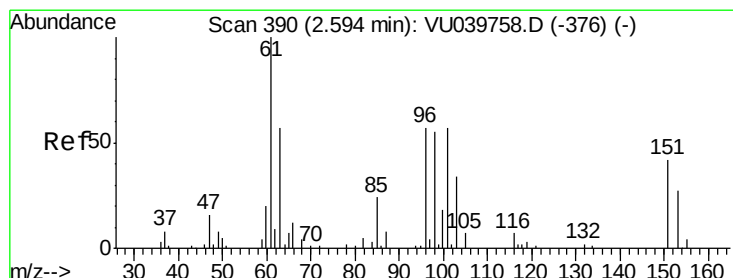
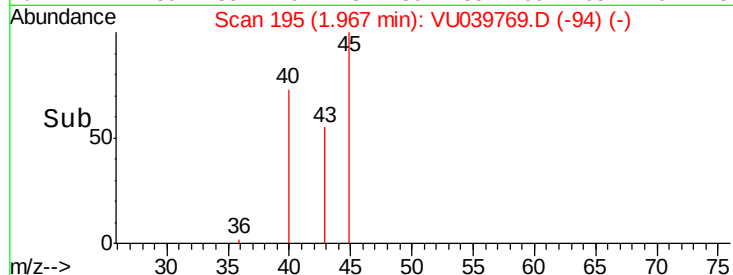
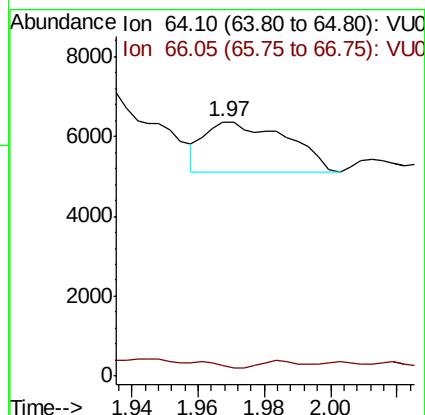
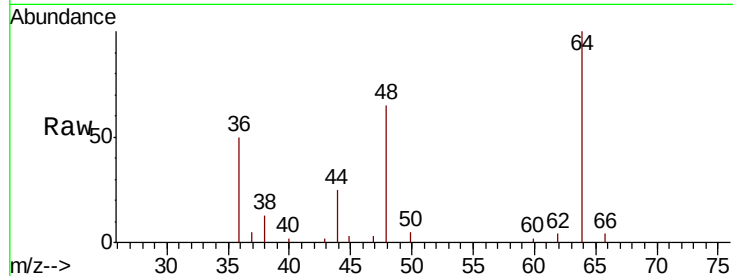




#8
Chloroethane
Concen: 0.404 ug/L
RT: 1.97 min Scan# 195
Delta R.T. 0.03 min
Lab File: VU039769.D
Acq: 06 Aug 2020 20:14

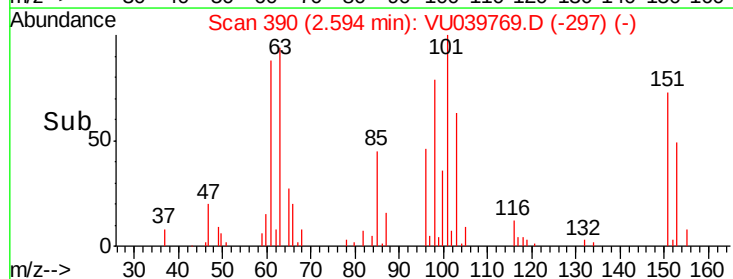
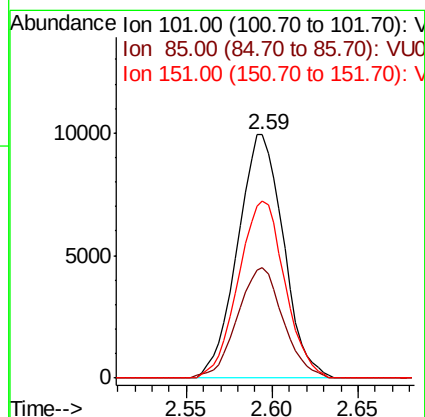
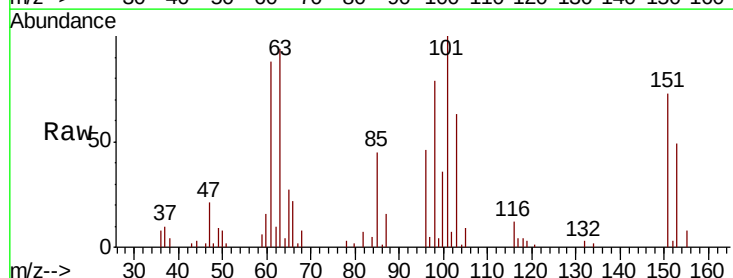
Instrument :
MSVOA_U
ClientSampleId :

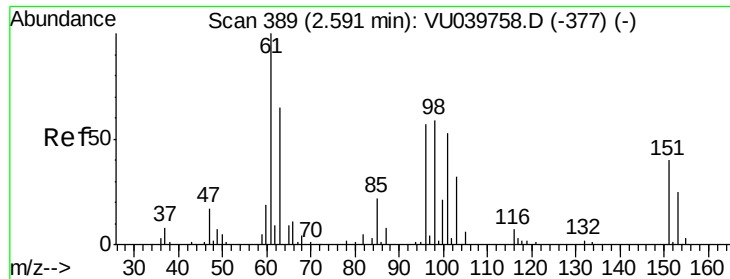
Tot Ion: 64 Resp: 2206
Ion Ratio Lower Upper
64 100
66 4.0 22.3 41.3#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.927 ug/L
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU039769.D
Acq: 06 Aug 2020 20:14

Tgt Ion:101 Resp: 18413
Ion Ratio Lower Upper
101 100
85 45.1 37.9 56.9
151 73.7 54.7 82.1

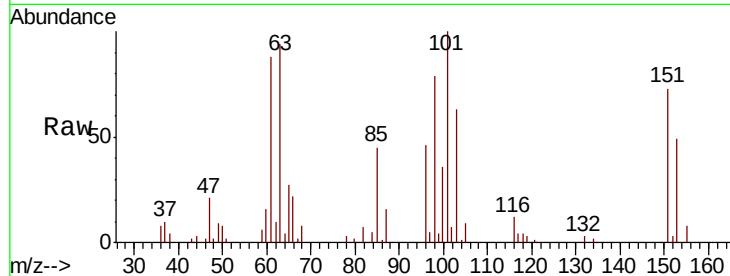




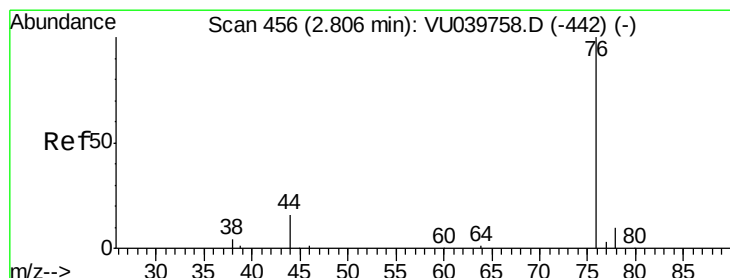
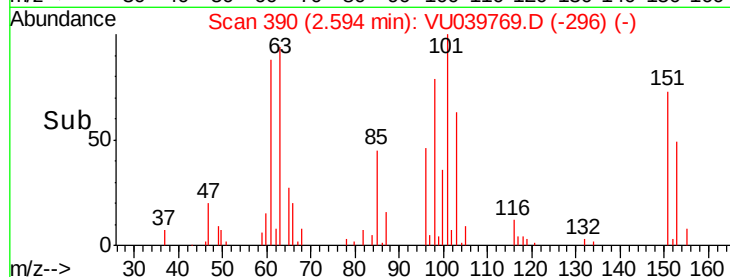
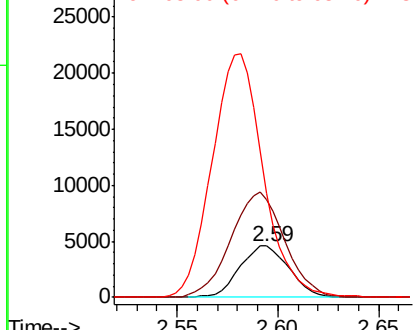
#12
 1,1-Dichloroethene
 Concen: 1.423 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU039769.D
 Acq: 06 Aug 2020 20:14

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 7781
 Ion Ratio Lower Upper
 96 100
 61 190.4 121.7 225.9
 63 202.8 82.1 152.5#

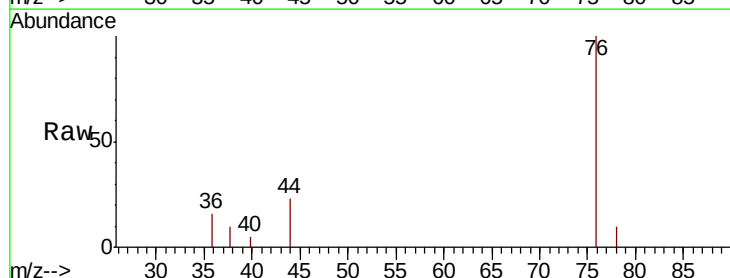


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

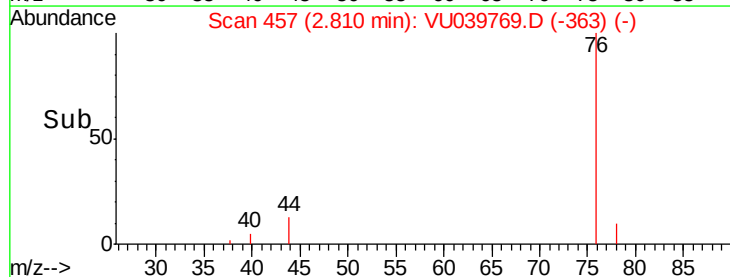
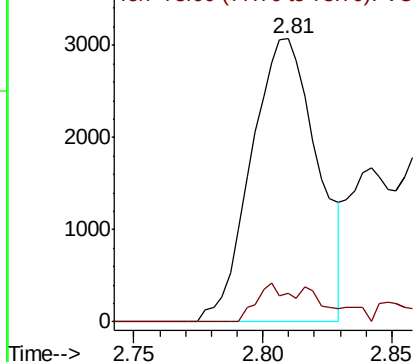


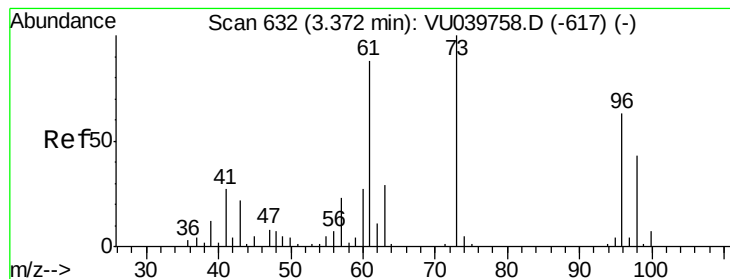
#14
 Carbon disulfide
 Concen: 0.322 ug/L
 RT: 2.81 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VU039769.D
 Acq: 06 Aug 2020 20:14

Tgt Ion: 76 Resp: 5512
 Ion Ratio Lower Upper
 76 100
 78 10.1 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU0
 Ion 78.00 (77.70 to 78.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 33.032 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU039769.D

Acq: 06 Aug 2020 20:14

Instrument :

MSVOA_U

ClientSampleId :

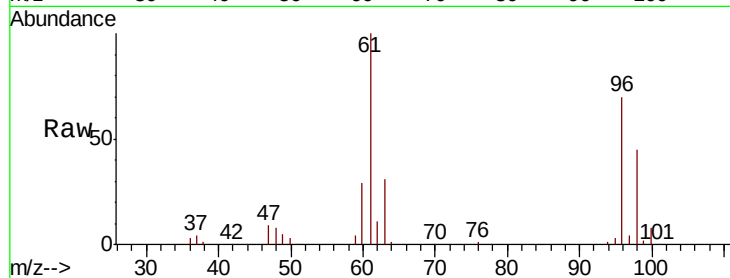
Tot Ion: 96 Resp: 201121

Ion Ratio Lower Upper

96 100

61 142.2 96.5 179.1

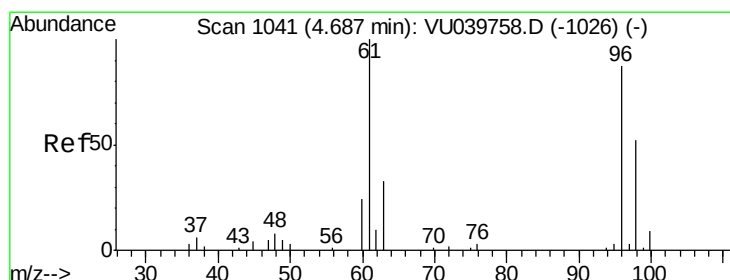
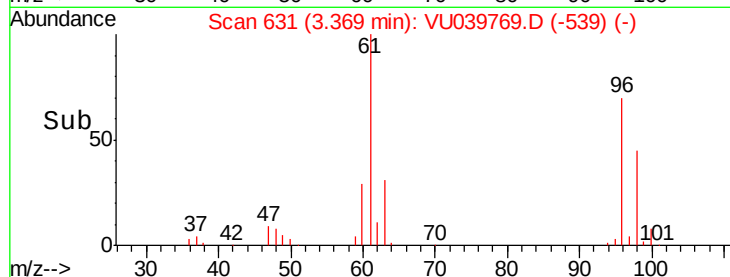
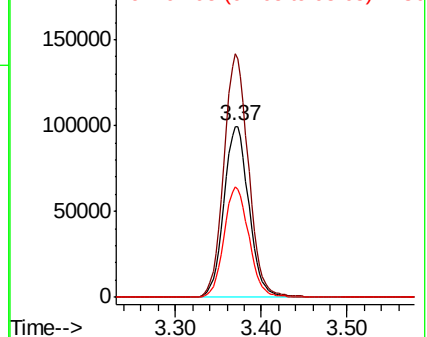
98 64.4 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039758.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU039758.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU039758.D (-617) (-)



#22

cis-1,2-Dichloroethene

Concen: 1717.199 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039769.D

Acq: 06 Aug 2020 20:14

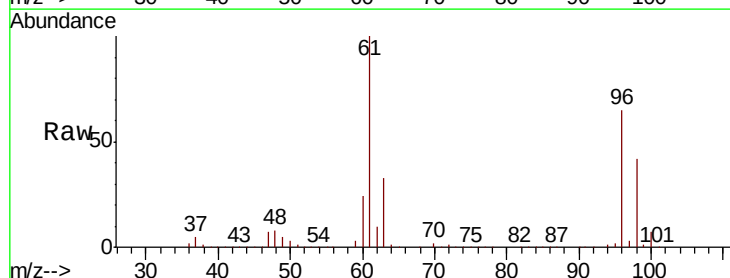
Tgt Ion: 96 Resp: 11371957

Ion Ratio Lower Upper

96 100

61 153.6 87.4 162.2

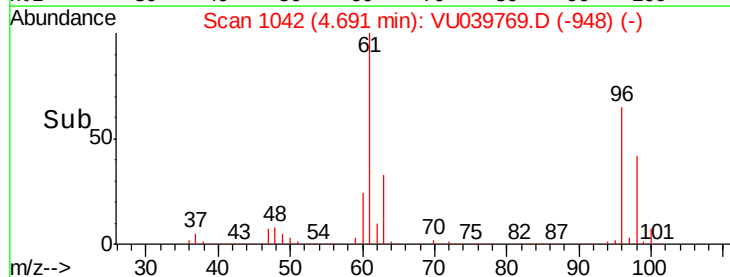
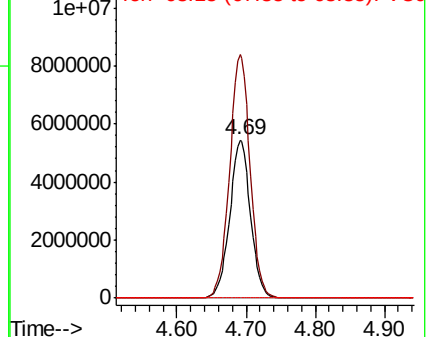
68 0.0 0.0 0.0#

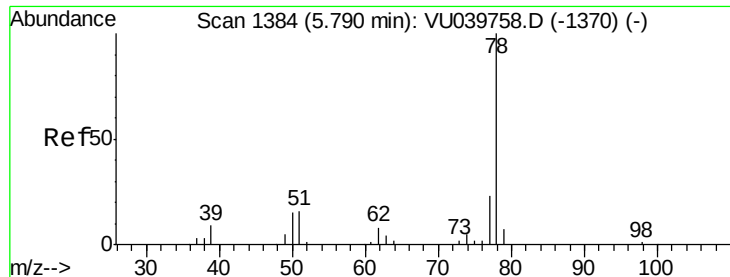


Abundance Ion 96.00 (95.70 to 96.70): VU039758.D (-1026) (-)

Ion 61.05 (60.75 to 61.75): VU039758.D (-1026) (-)

Ion 68.15 (67.85 to 68.85): VU039758.D (-1026) (-)





#33

Benzene

Concen: 0.087 ug/L

RT: 5.79 min Scan# 1384

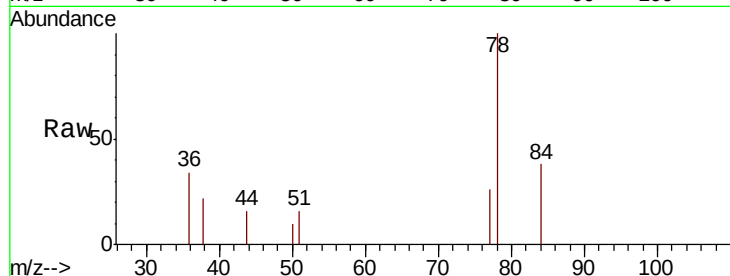
Delta R.T. 0.00 min

Lab File: VU039769.D

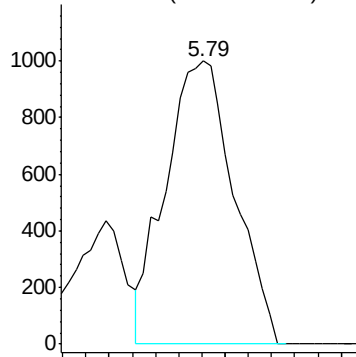
Acq: 06 Aug 2020 20:14

Instrument :
MSVOA_U
ClientSampled :

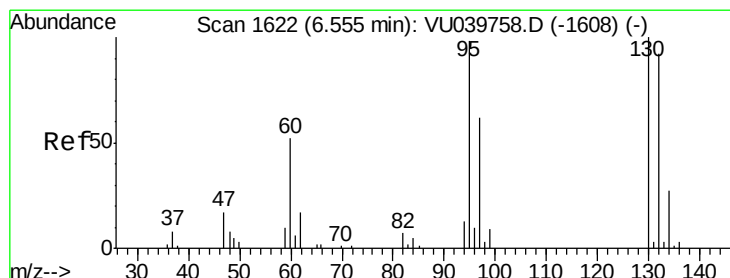
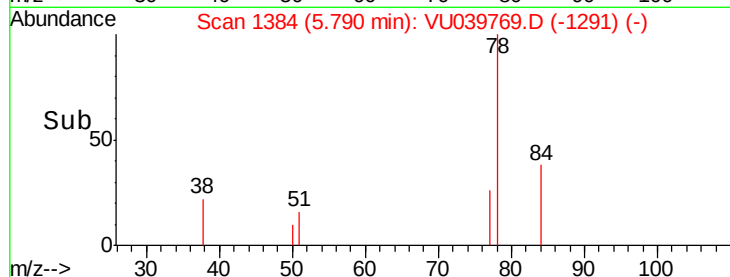
Tgt Ion: 78 Resp: 2052



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 2.212 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039769.D

Acq: 06 Aug 2020 20:14

Tgt Ion: 95 Resp: 13605

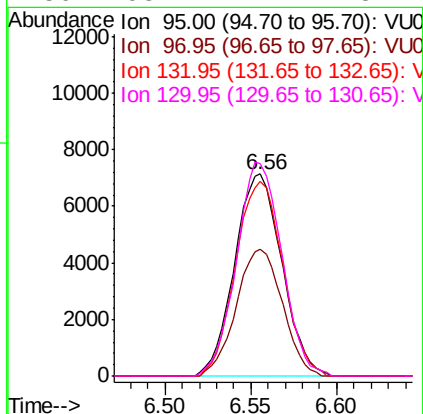
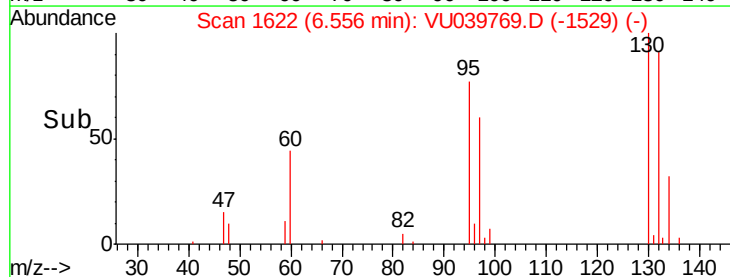
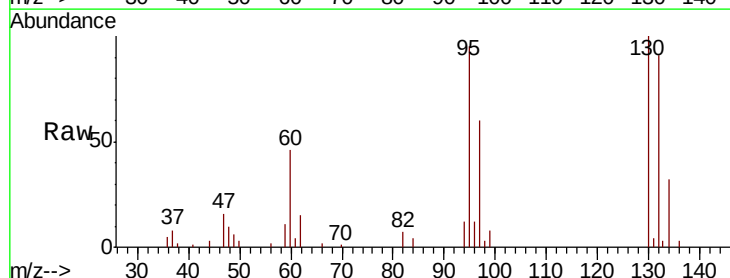
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.0	81.8
132	96.1	71.7	133.3
130	105.4	71.1	132.1

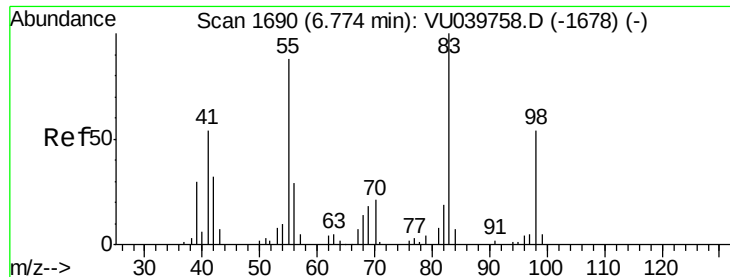
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

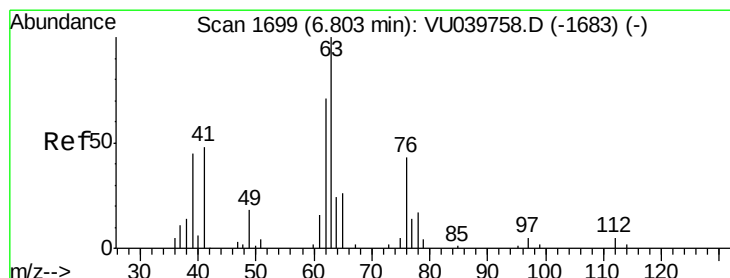
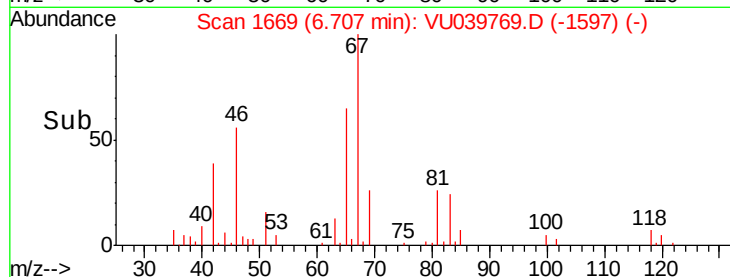
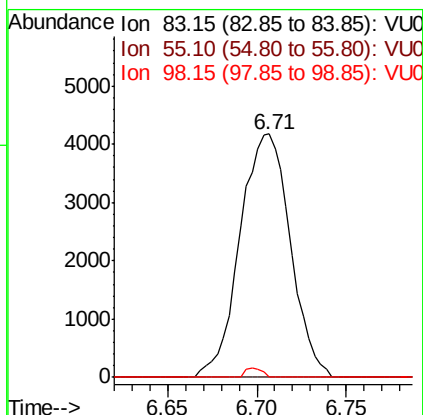
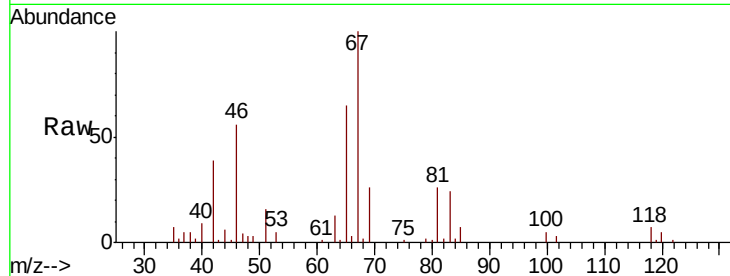




#35
Methylvlcyclohexane
Concen: 0.837 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039769.D
Acq: 06 Aug 2020 20:14

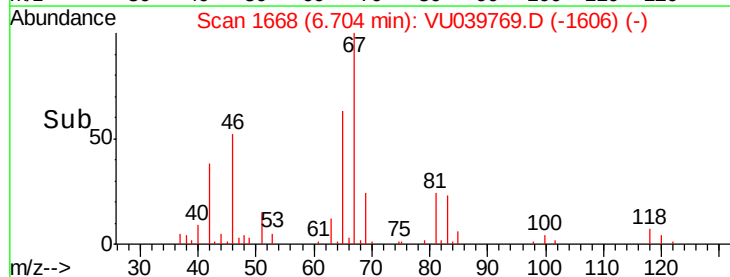
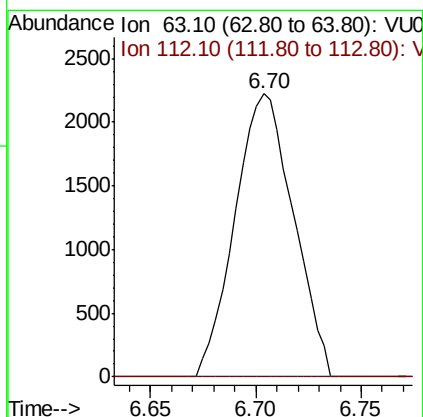
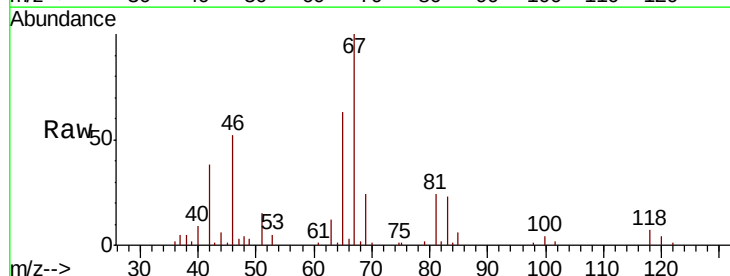
Instrument :
MSVOA_U
ClientSampleId :

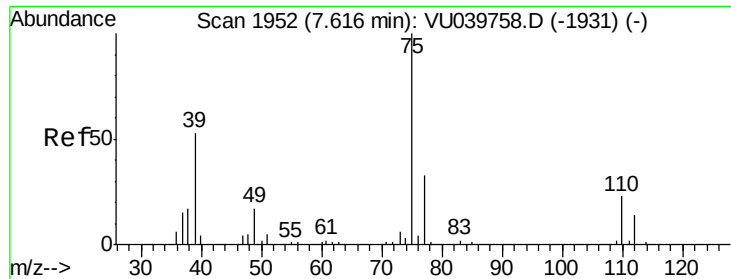
Tot Ion: 83 Resp: 8219
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 1.2 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.682 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039769.D
Acq: 06 Aug 2020 20:14

Tgt Ion: 63 Resp: 4287
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#

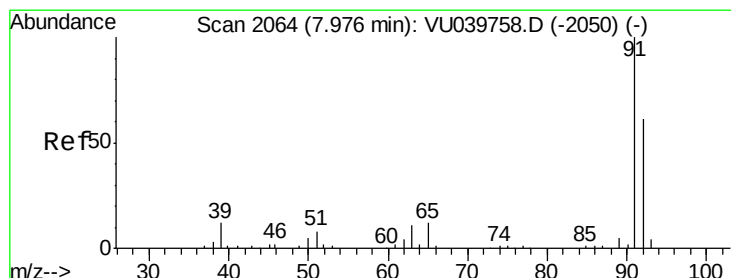
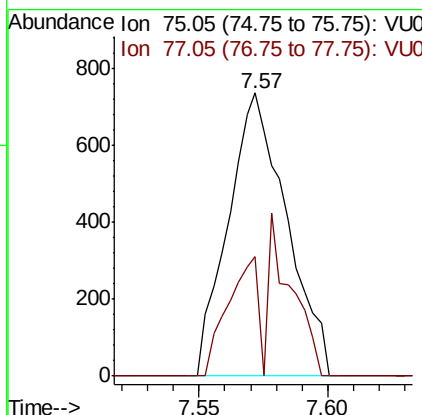
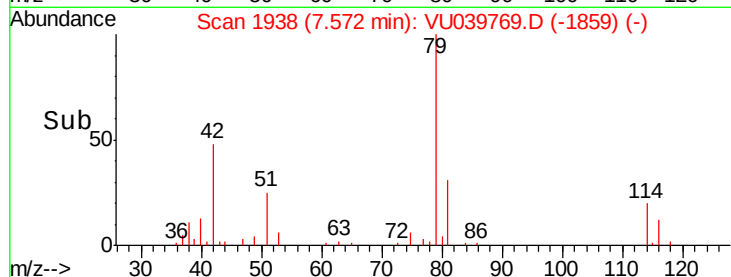
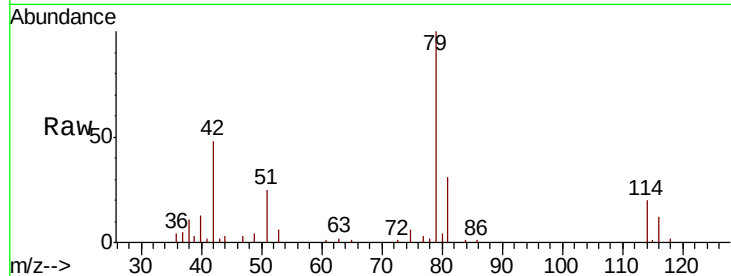




#39
 cis-1,3-Dichloropropene
 Concen: 0.135 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU039769.D
 Acq: 06 Aug 2020 20:14

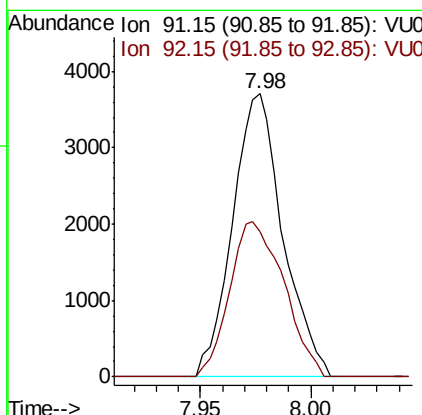
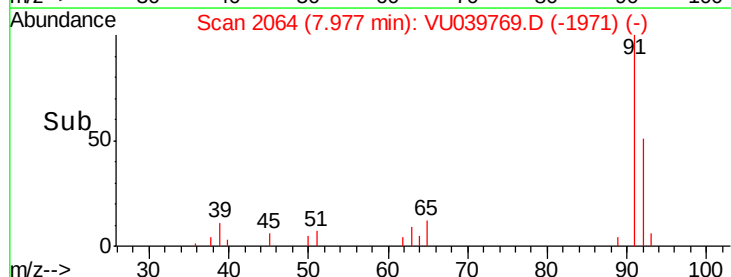
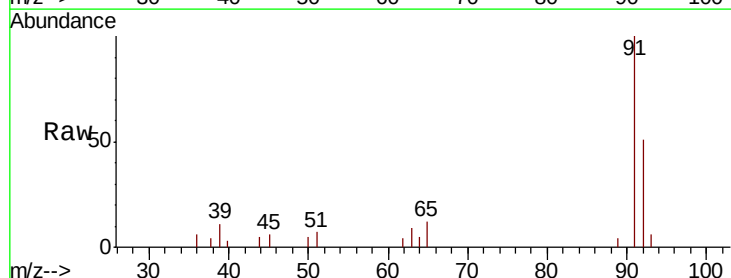
Instrument :
 MSVOA_U
 ClientSampleId :

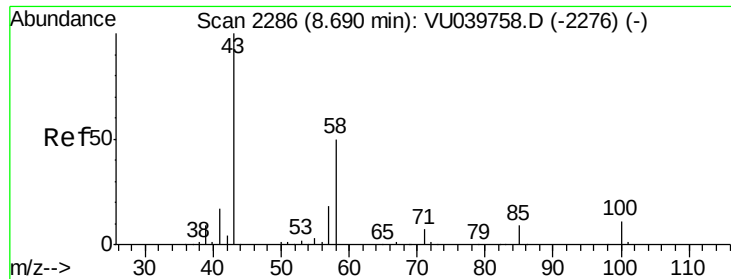
Tot Ion: 75 Resp: 1162
 Ion Ratio Lower Upper
 75 100
 77 42.1 22.4 41.6#



#42
 Toluene
 Concen: 0.237 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU039769.D
 Acq: 06 Aug 2020 20:14

Tgt Ion: 91 Resp: 5890
 Ion Ratio Lower Upper
 91 100
 92 51.2 41.6 77.3

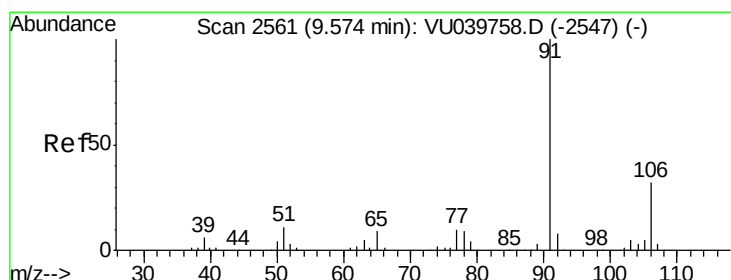
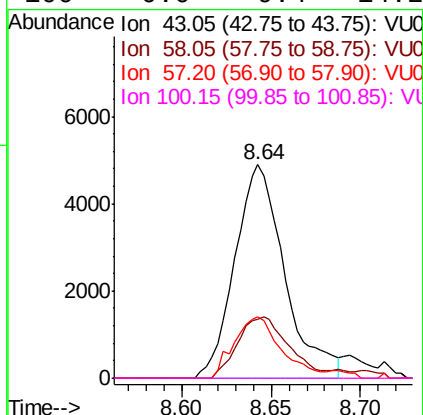
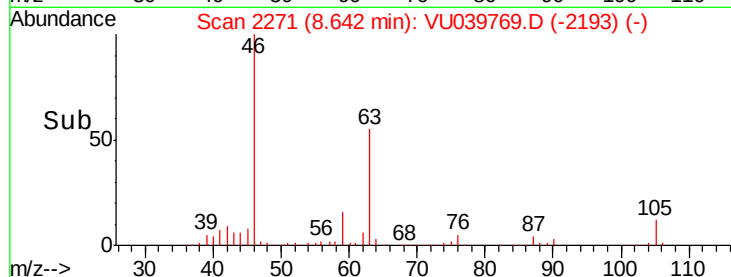
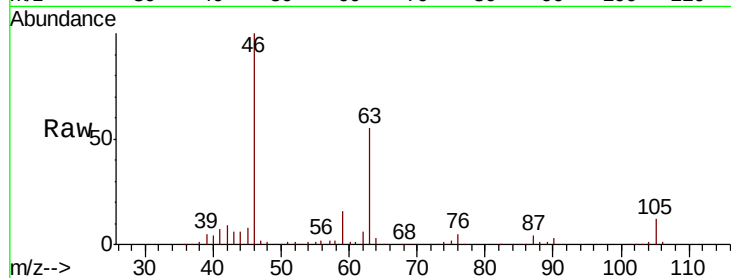




#48
2-Hexanone
Concen: 2.820 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU039769.D
Acq: 06 Aug 2020 20:14

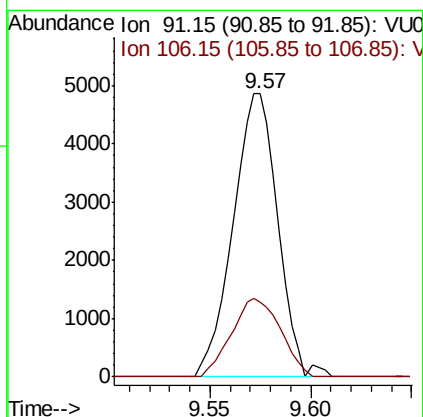
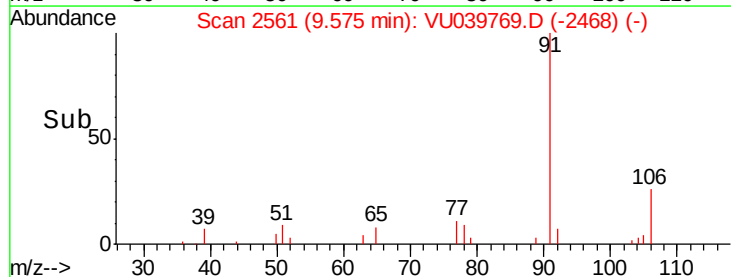
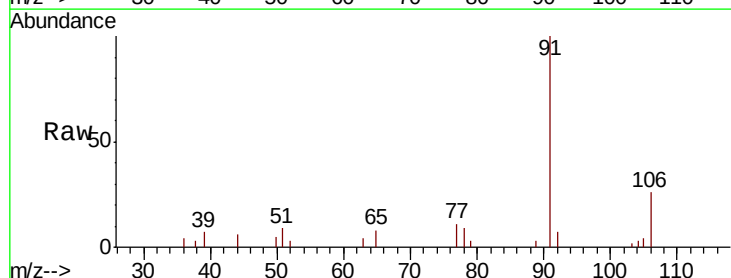
Instrument :
MSVOA_U
ClientSampleId :

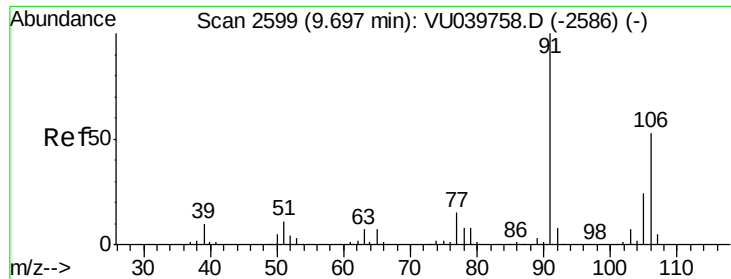
Tot Ion: 43 Resp: 9570
Ion Ratio Lower Upper
43 100
58 29.4 41.8 62.8#
57 26.9 14.2 21.4#
100 0.0 9.4 14.2#



#52
Ethylbenzene
Concen: 0.271 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039769.D
Acq: 06 Aug 2020 20:14

Tgt Ion: 91 Resp: 7546
Ion Ratio Lower Upper
91 100
106 26.4 22.8 42.4





#53

m,p-Xylene

Concen: 0.206 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039769.D

Acq: 06 Aug 2020 20:14

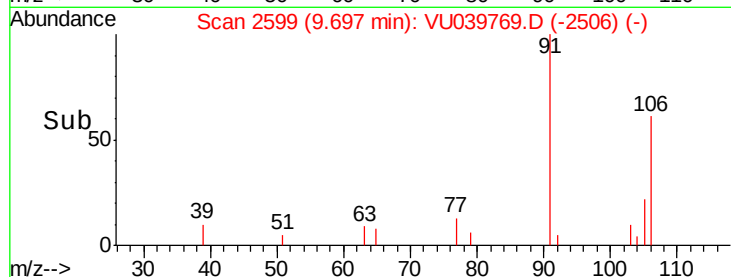
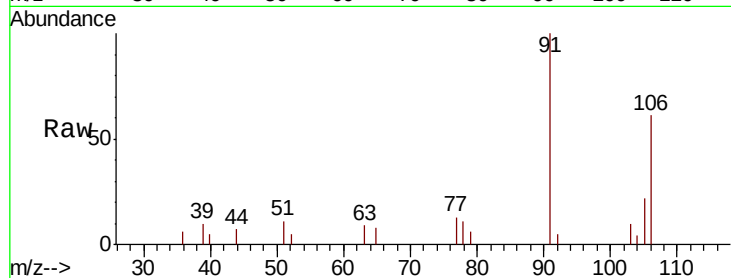
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2187

Ion Ratio Lower Upper

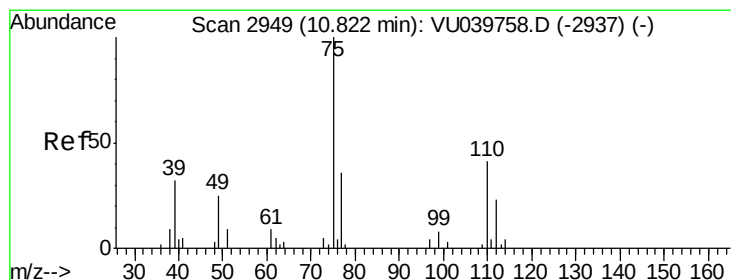
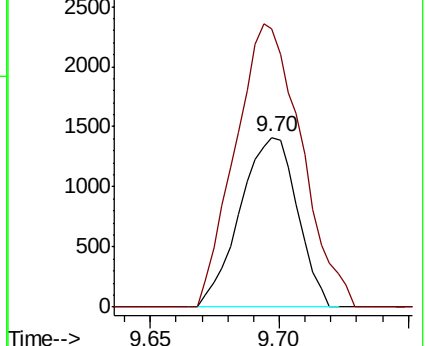
106 100

91 163.7 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039769.D

Ion 91.15 (90.85 to 91.85): VU039769.D



#59

1,2,3-Trichloropropane

Concen: 1.148 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039769.D

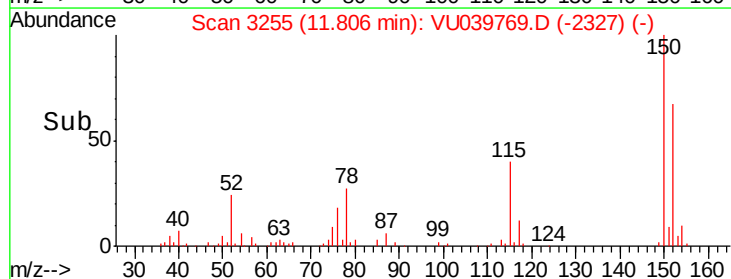
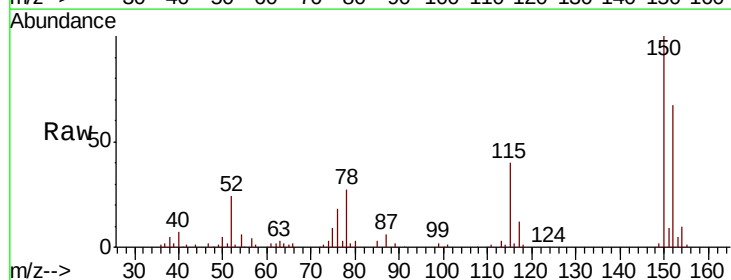
Acq: 06 Aug 2020 20:14

Tgt Ion: 75 Resp: 5210

Ion Ratio Lower Upper

75 100

77 39.7 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VU039769.D

Ion 77.00 (76.70 to 77.70): VU039769.D

