

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039359.D
 Acq On : 08 Jul 2020 19:48
 Operator : SY/MD
 Sample : L3243-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A67

Quant Time: Jul 09 02:34:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 02:29:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	103188	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	97407	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45232	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	28590	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.93	69	34042	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.58	63	45695	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.65	46	159625	58.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.66%
24) Chloroform-d	5.09	84	69766	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	5.72	65	44737	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.75	84	138052	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
36) 1,2-Dichloropropane-d6	6.71	67	48002	5.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.60%
41) Toluene-d8	7.91	98	121710	5.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.80%
43) trans-1,3-Dichloropropene-	8.19	79	19156	5.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.40%
46) 2-Hexanone-d5	8.64	63	117076	54.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.50%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	43898	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	48158	5.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.20%

Target Compounds

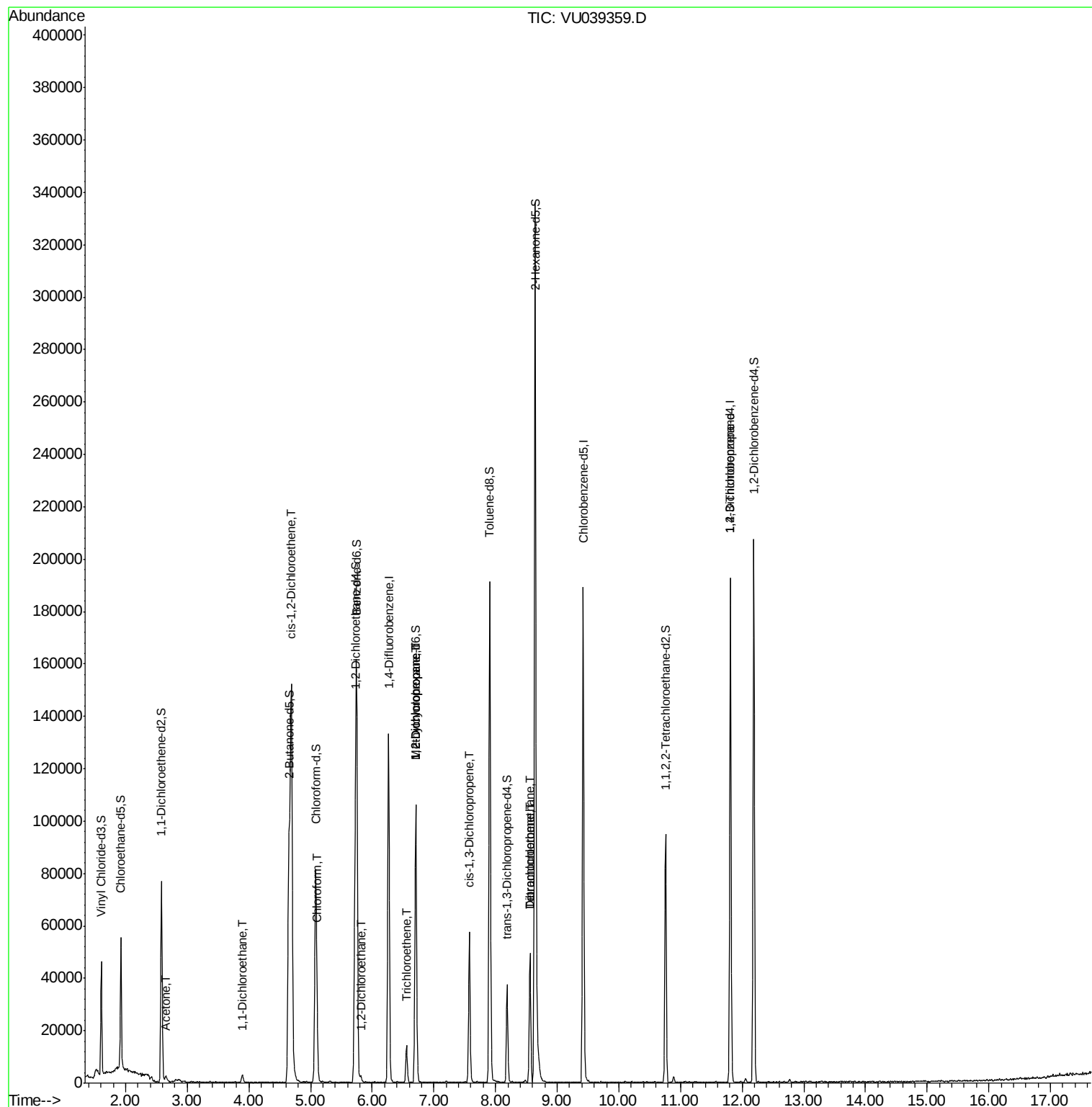
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.65	43	3774	2.555	ug/L	86
19) 1,1-Dichloroethane	3.90	63	3714	0.279	ug/L #	86
22) cis-1,2-Dichloroethene	4.69	96	63589	8.347	ug/L	89
25) Chloroform	5.11	83	5360	0.399	ug/L	94
27) 1,2-Dichloroethane	5.82	62	2019	0.208	ug/L #	92
34) Trichloroethene	6.56	95	4099	0.544	ug/L	97
35) Methylcyclohexane	6.71	83	10664	0.884	ug/L #	21
37) 1,2-Dichloropropane	6.71	63	5309	0.669	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1667	0.139	ug/L #	58
47) Tetrachloroethene	8.56	164	9885	1.888	ug/L	93
49) Dibromochloromethane	8.56	129	9197	1.332	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6949	1.188	ug/L #	84

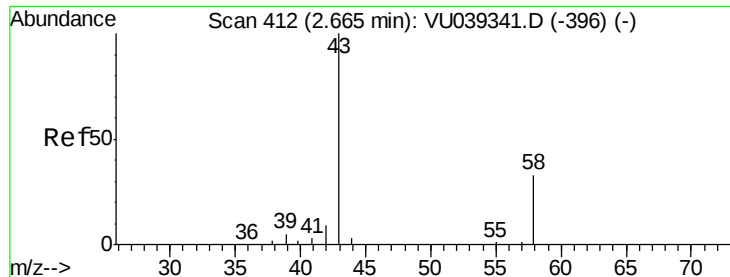
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 09 02:29:26 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.555 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU039359.D

Acq: 08 Jul 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

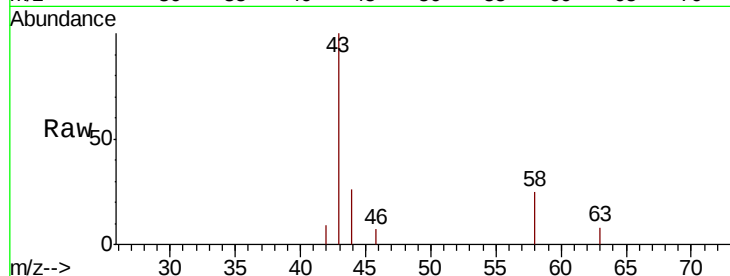
F4A67

Tot Ion: 43 Resp: 3774

Ion Ratio Lower Upper

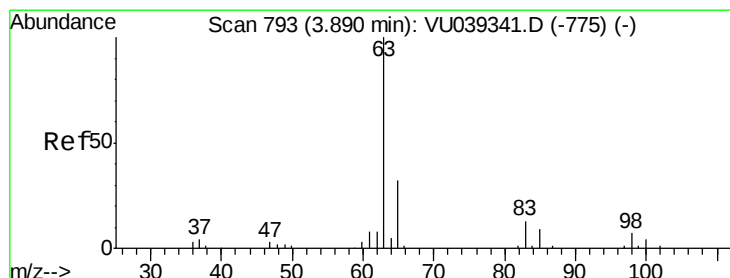
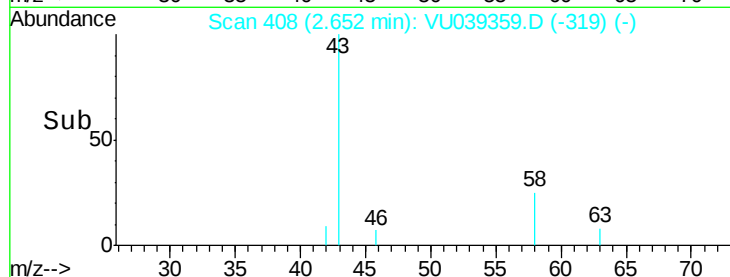
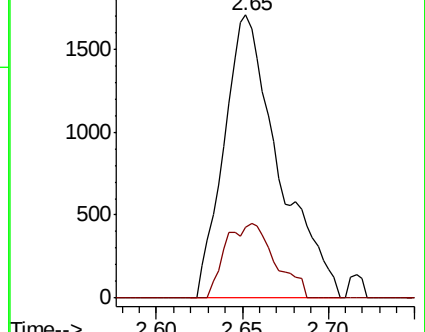
43 100

58 23.8 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039359.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU039359.D (-319) (-)



#19

1,1-Dichloroethane

Concen: 0.279 ug/L

RT: 3.90 min Scan# 795

Delta R.T. 0.01 min

Lab File: VU039359.D

Acq: 08 Jul 2020 19:48

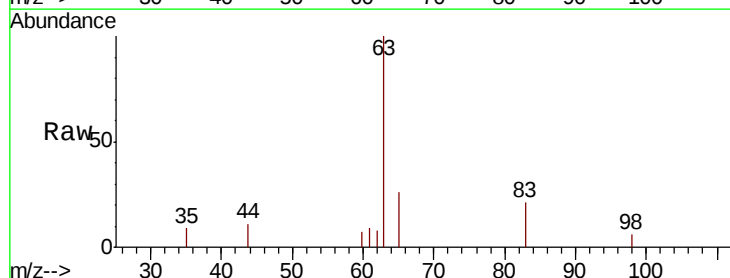
Tgt Ion: 63 Resp: 3714

Ion Ratio Lower Upper

63 100

65 25.7 23.0 42.6

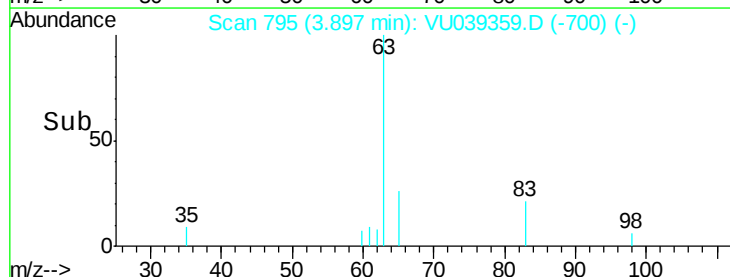
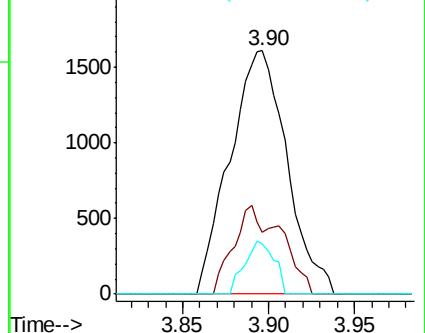
83 20.8 9.6 17.8#

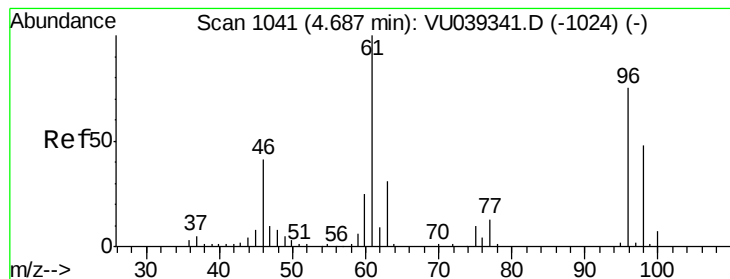


Abundance Ion 63.10 (62.80 to 63.80): VU039359.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039359.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039359.D (-700) (-)





#22

cis-1,2-Dichloroethene

Concen: 8.347 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039359.D

Acq: 08 Jul 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

F4A67

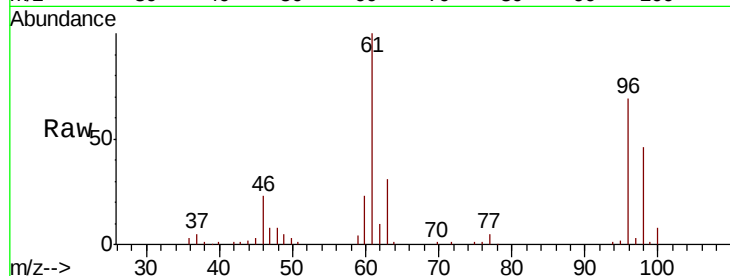
Tot Ion: 96 Resp: 63589

Ion Ratio Lower Upper

96 100

61 145.1 92.8 172.4

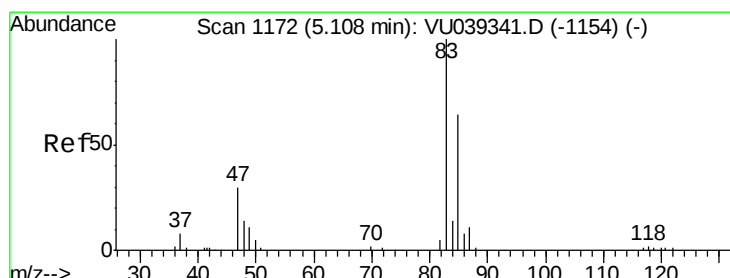
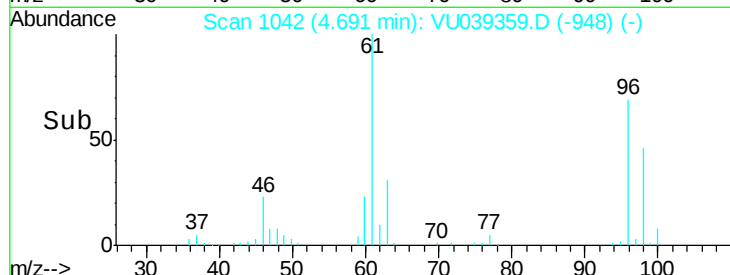
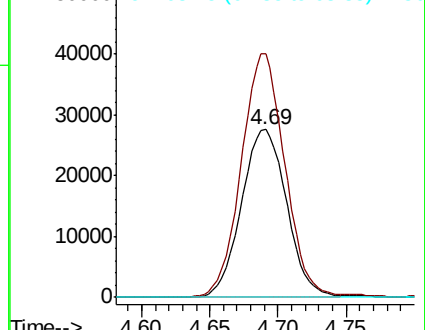
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.399 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU039359.D

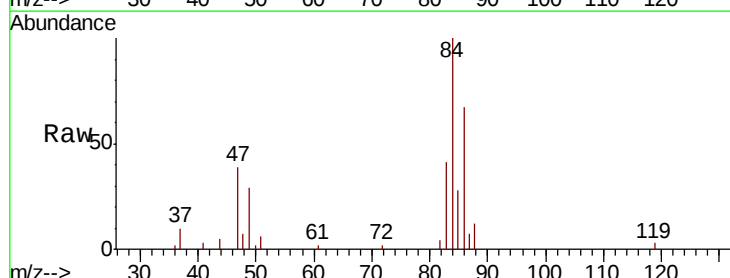
Acq: 08 Jul 2020 19:48

Tgt Ion: 83 Resp: 5360

Ion Ratio Lower Upper

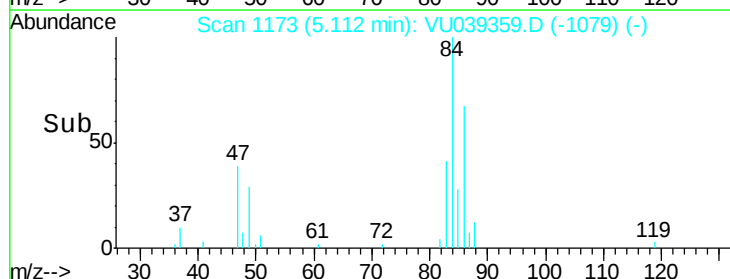
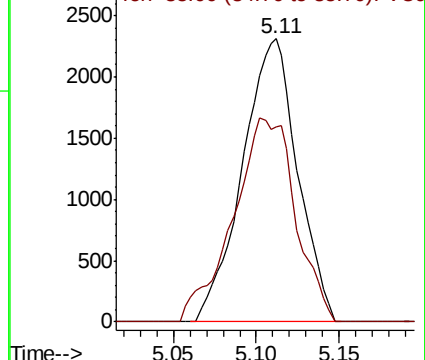
83 100

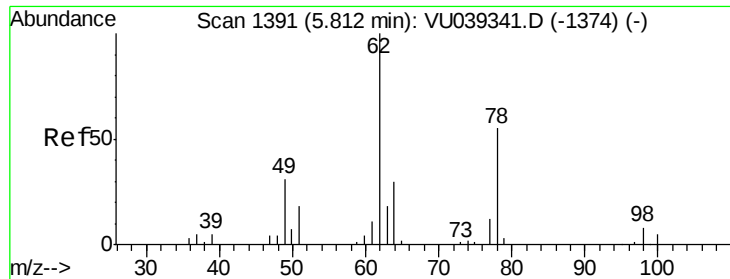
85 68.7 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

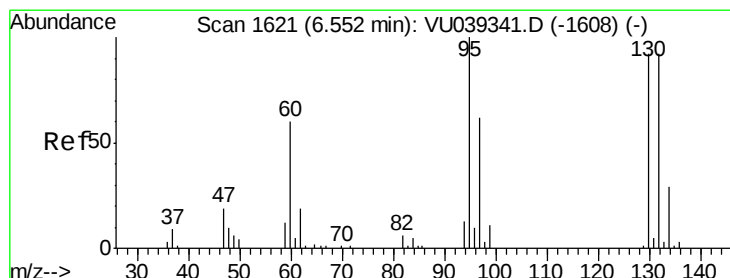
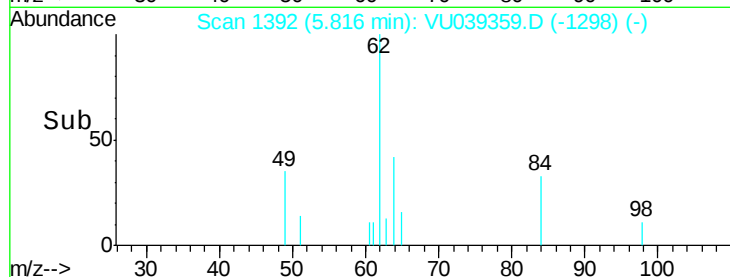
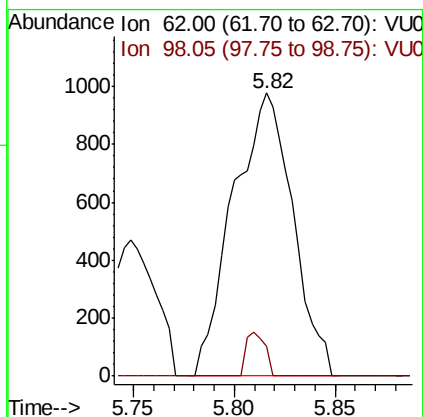
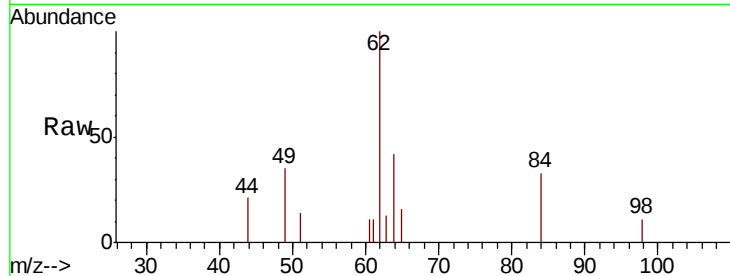




#27
 1,2-Dichloroethane
 Concen: 0.208 ug/L
 RT: 5.82 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VU039359.D
 Acq: 08 Jul 2020 19:48

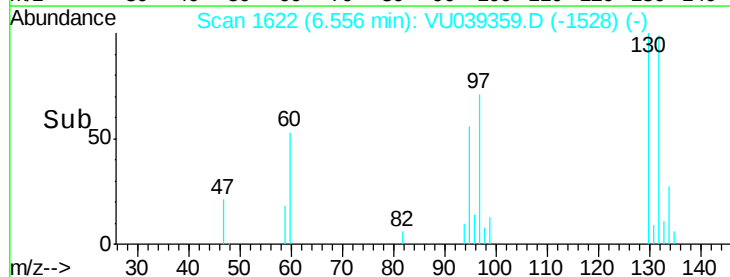
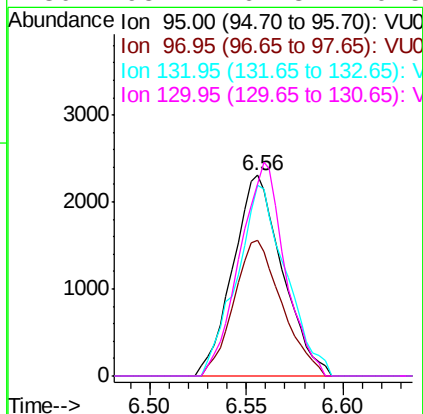
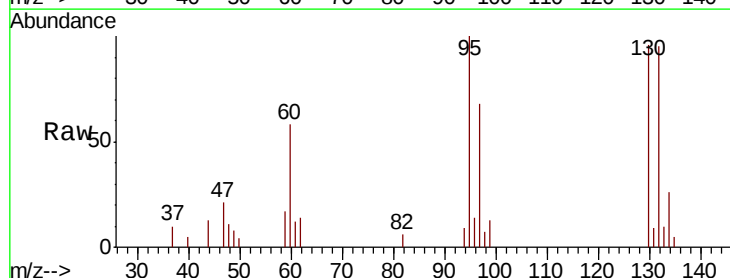
Instrument :
 MSVOA_U
 ClientSampled :
 F4A67

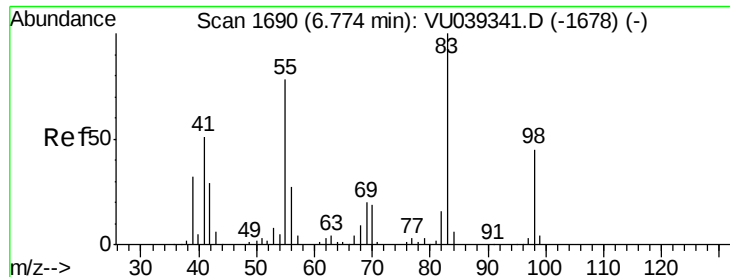
Tot Ion: 62 Resp: 2019
 Ion Ratio Lower Upper
 62 100
 98 10.5 6.3 9.5#



#34
 Trichloroethene
 Concen: 0.544 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039359.D
 Acq: 08 Jul 2020 19:48

Tgt Ion: 95 Resp: 4099
 Ion Ratio Lower Upper
 95 100
 97 67.6 46.3 85.9
 132 94.8 64.0 118.8
 130 95.7 64.3 119.5

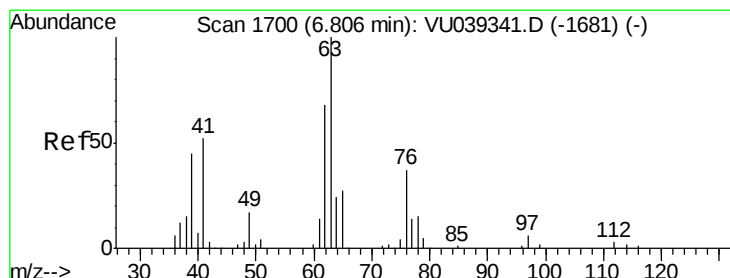
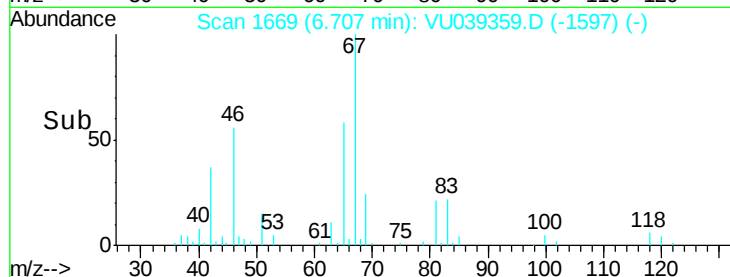
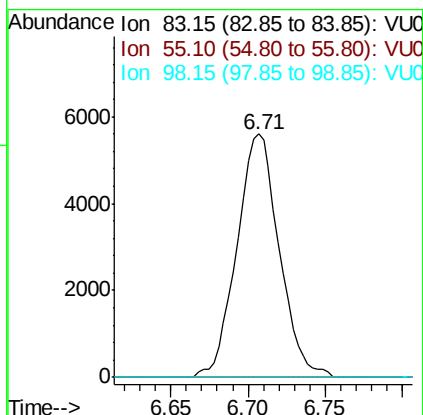
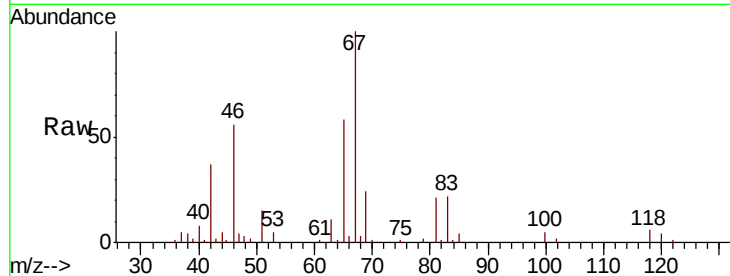




#35
Methvlcvclohexane
Concen: 0.884 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039359.D
Acq: 08 Jul 2020 19:48

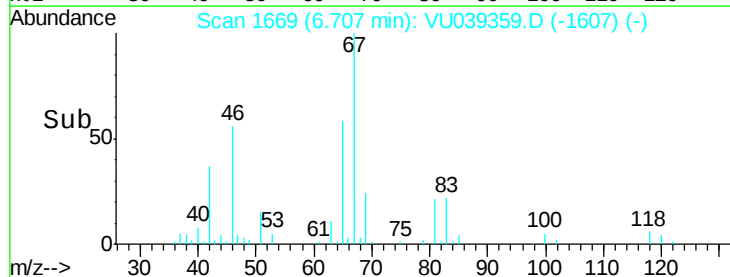
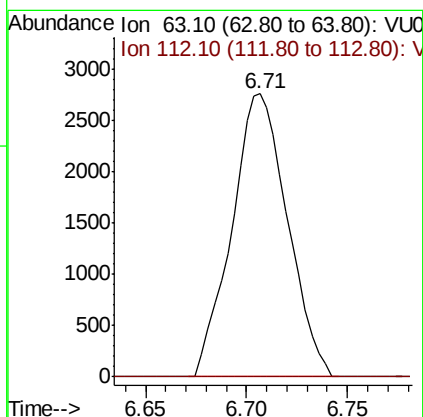
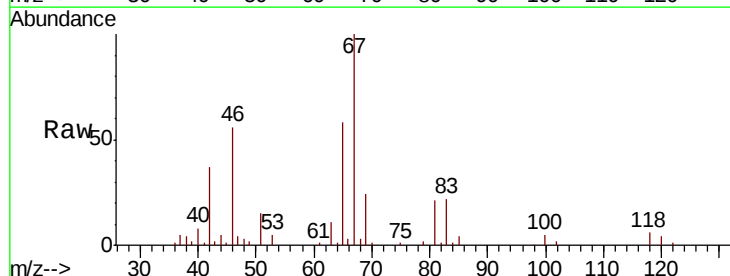
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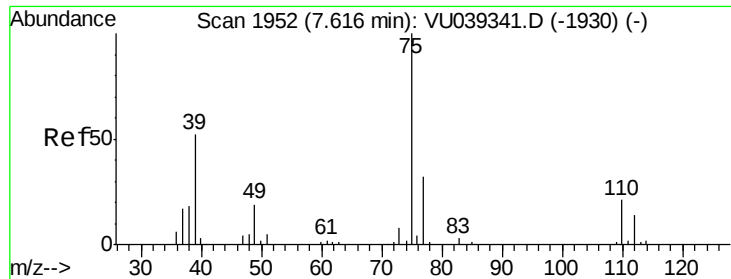
Tot Ion: 83 Resp: 10664
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 4.5 35.9 53.9#



#37
1,2-Dichloropropane
Concen: 0.669 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039359.D
Acq: 08 Jul 2020 19:48

Tgt Ion: 63 Resp: 5309
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#

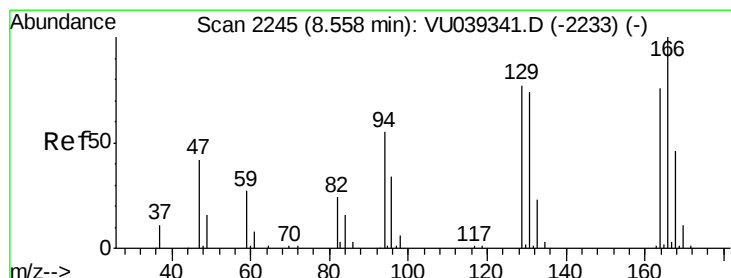
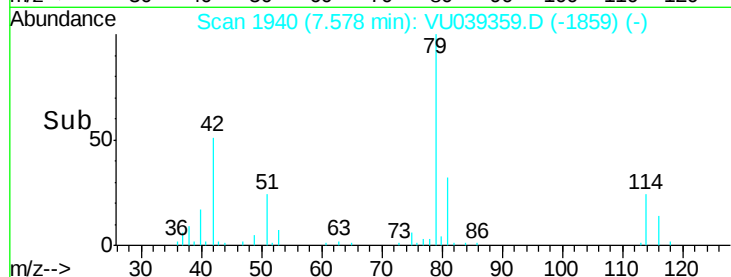
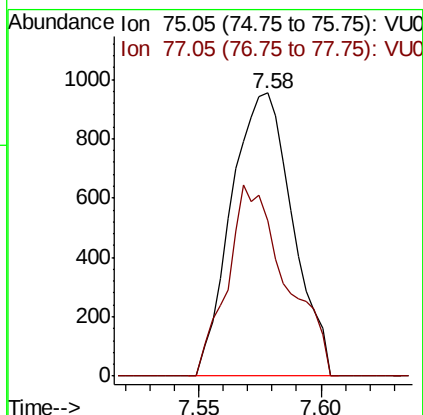
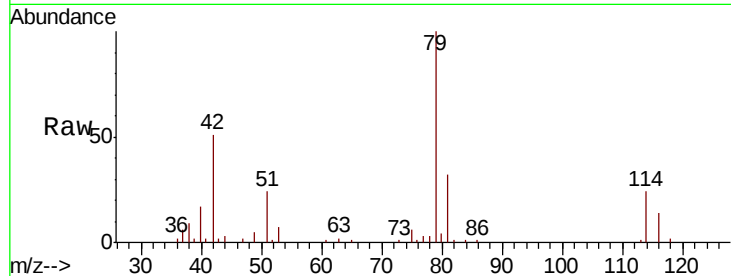




#39
 cis-1,3-Dichloropropene
 Concen: 0.139 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039359.D
 Acq: 08 Jul 2020 19:48

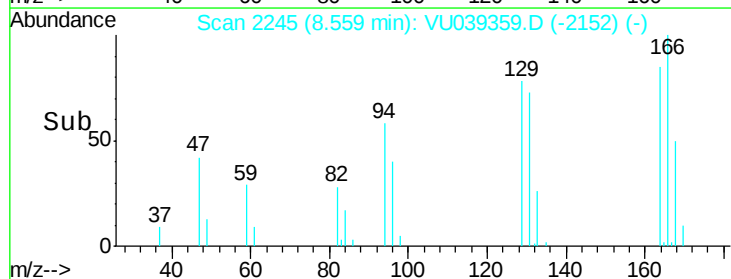
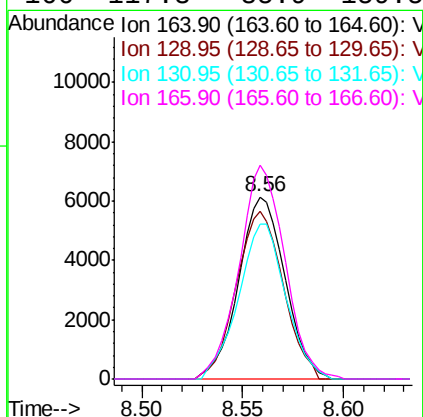
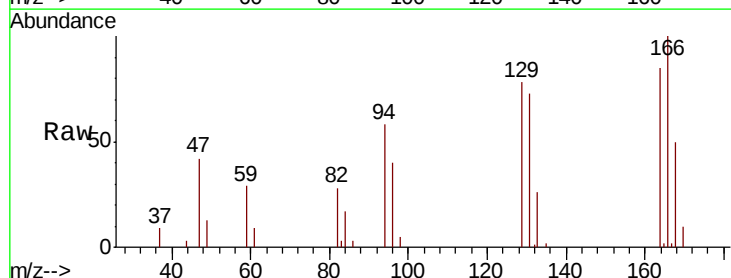
Instrument :
 MSVOA_U
 ClientSampleId :
 F4A67

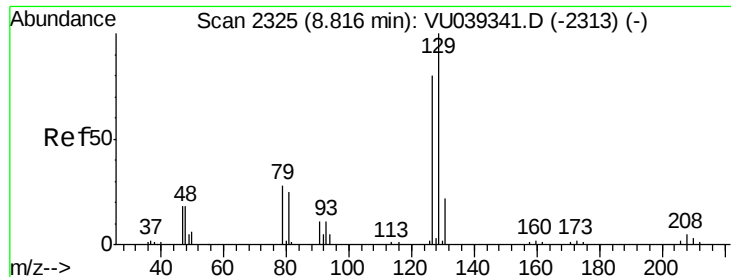
Tot Ion: 75 Resp: 1667
 Ion Ratio Lower Upper
 75 100
 77 54.9 22.3 41.3#



#47
 Tetrachloroethene
 Concen: 1.888 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039359.D
 Acq: 08 Jul 2020 19:48

Tgt Ion: 164 Resp: 9885
 Ion Ratio Lower Upper
 164 100
 129 92.0 68.6 127.4
 131 85.4 66.4 123.4
 166 117.3 85.9 159.5





#49

Dibromochloromethane

Concen: 1.332 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039359.D

Acq: 08 Jul 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

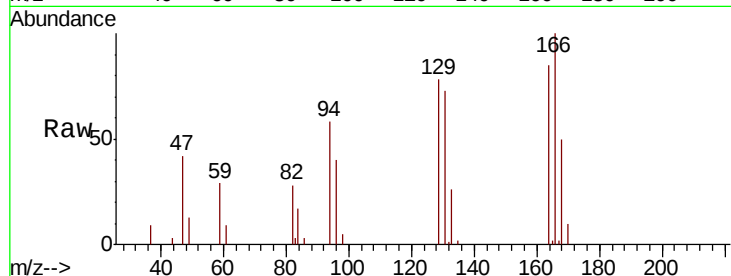
F4A67

Tot Ion:129 Resp: 9197

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

8.56

6000

5000

4000

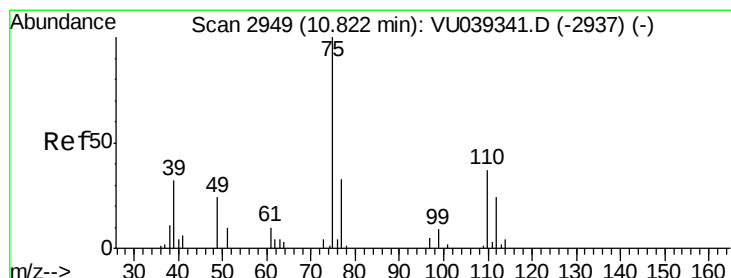
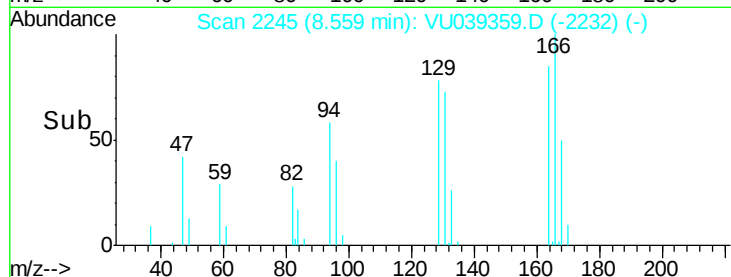
3000

2000

1000

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 1.188 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039359.D

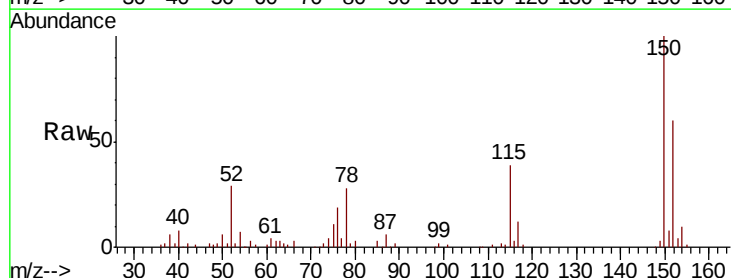
Acq: 08 Jul 2020 19:48

Tgt Ion: 75 Resp: 6949

Ion Ratio Lower Upper

75 100

77 42.4 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

