

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082520\
 Data File : VU039971.D
 Acq On : 25 Aug 2020 16:56
 Operator : SY/MD
 Sample : L3776-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4Y19

Quant Time: Aug 26 03:45:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 26 03:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68879	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66215	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29972	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24887	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.92	69	21630	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.58	63	38000	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.65	46	78365	40.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.52%
24) Chloroform-d	5.08	84	49885	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.72	65	30354	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.75	84	96559	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.70	67	31604	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.91	98	81256	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.19	79	12426	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	55465	40.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.10%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	23903	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	33156	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

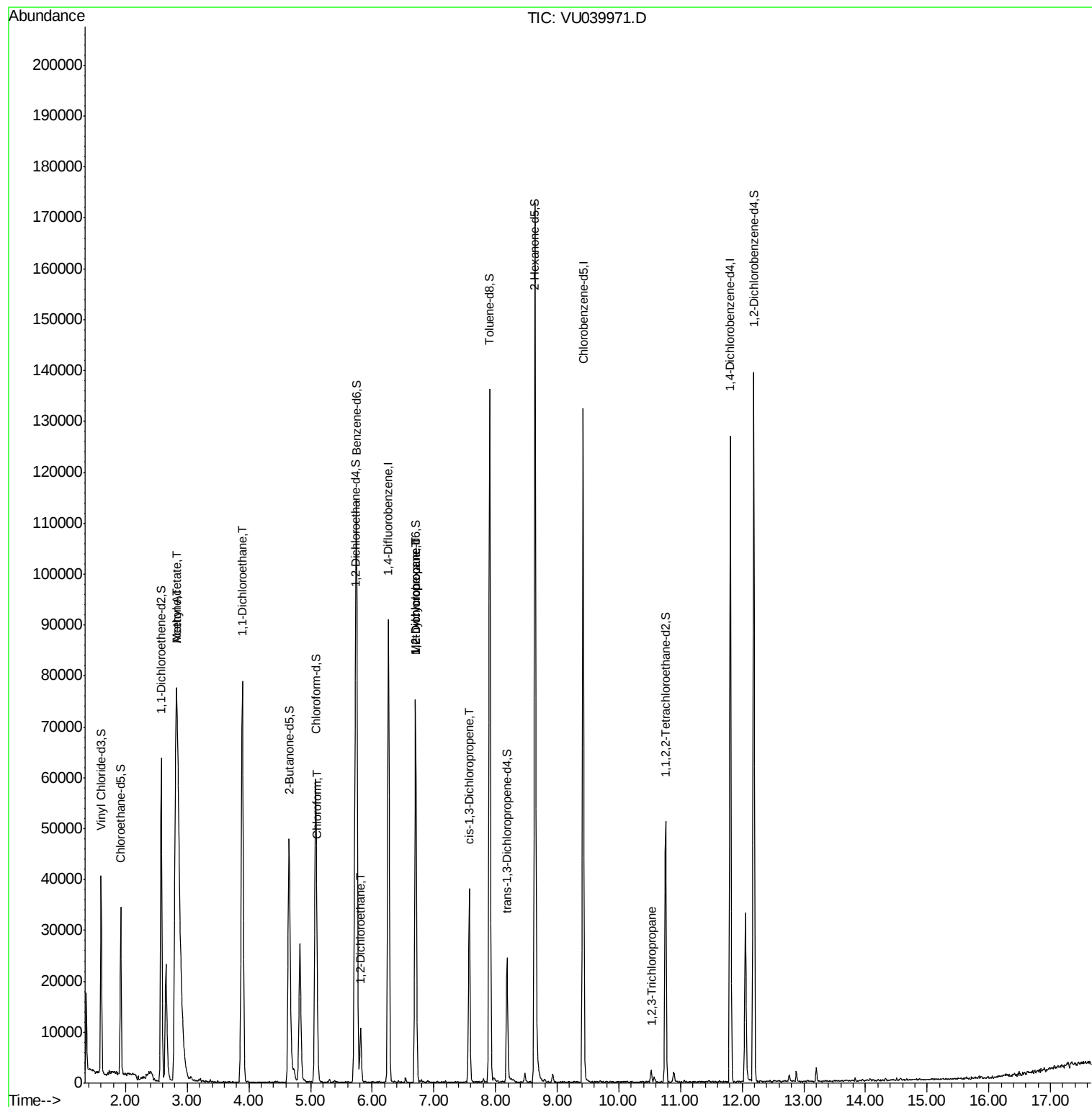
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.83	43	54431	41.430	ug/L	76
15) Methyl Acetate	2.83	43	54431	16.139	ug/L #	56
19) 1,1-Dichloroethane	3.89	63	87579	7.551	ug/L	97
25) Chloroform	5.11	83	5562	0.473	ug/L	92
27) 1,2-Dichloroethane	5.81	62	8227	0.997	ug/L	95
35) Methylcyclohexane	6.70	83	7400	0.774	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	4011	0.627	ug/L #	85
39) cis-1,3-Dichloropropene	7.58	75	1030	0.115	ug/L #	71
59) 1,2,3-Trichloropropane	10.52	75	1562	0.341	ug/L #	40

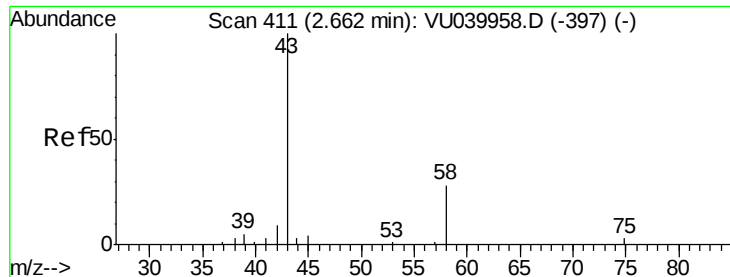
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 41.430 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.17 min

Lab File: VU039971.D

Acq: 25 Aug 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

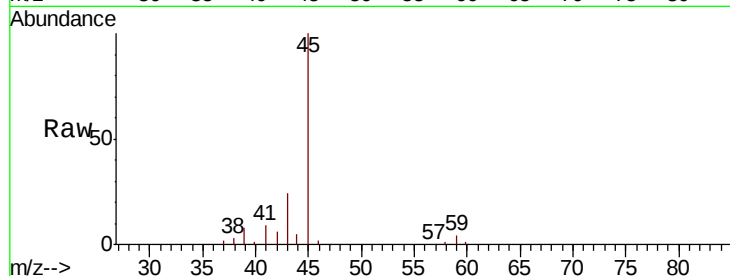
F4Y19

Tot Ion: 43 Resp: 54431

Ion Ratio Lower Upper

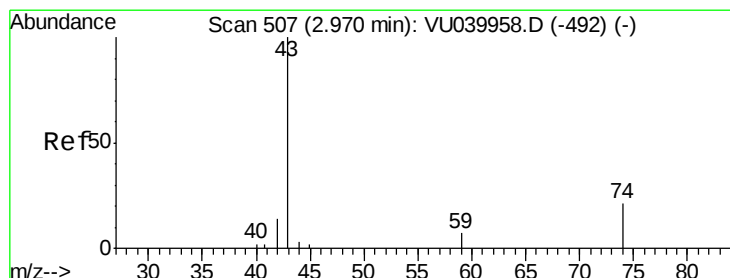
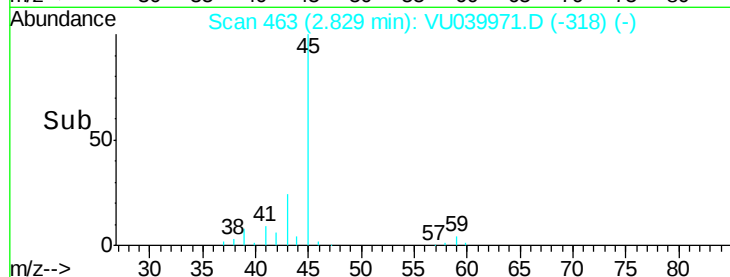
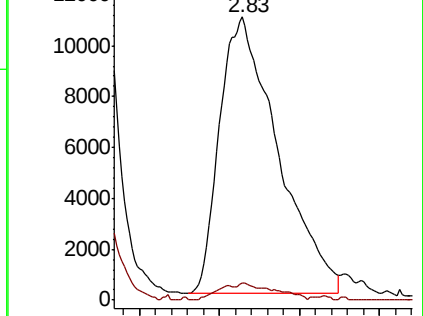
43 100

58 0.7 0.0 19.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 16.139 ug/L

RT: 2.83 min Scan# 463

Delta R.T. -0.14 min

Lab File: VU039971.D

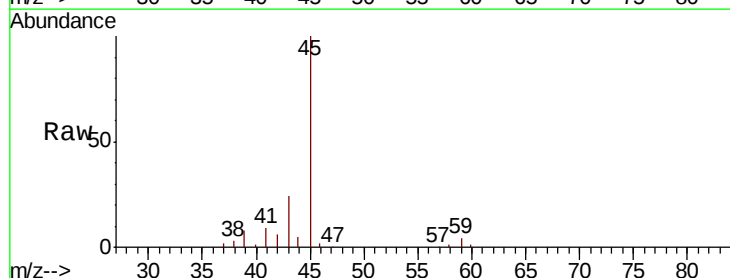
Acq: 25 Aug 2020 16:56

Tgt Ion: 43 Resp: 54431

Ion Ratio Lower Upper

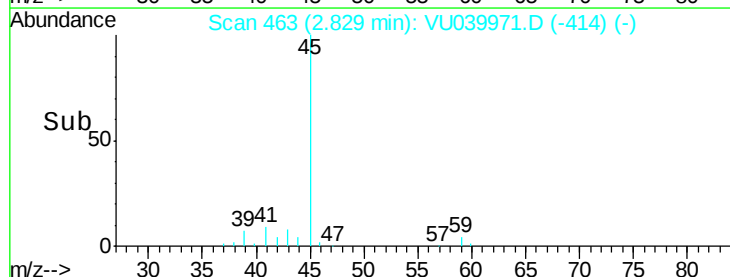
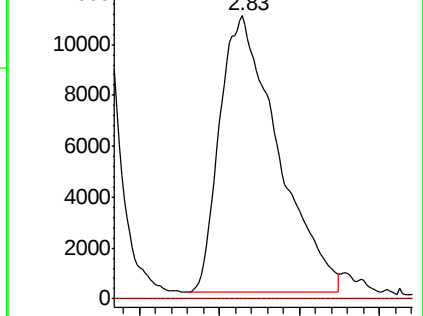
43 100

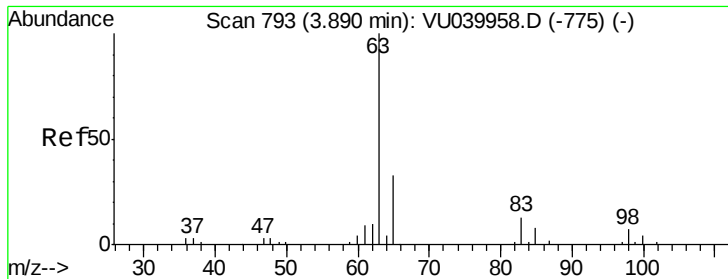
74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#19

1,1-Dichloroethane

Concen: 7.551 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039971.D

Acq: 25 Aug 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

F4Y19

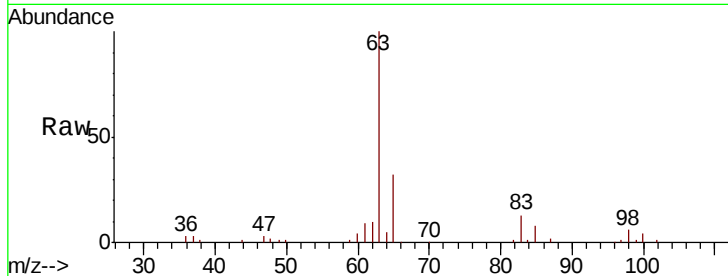
Tot Ion: 63 Resp: 87579

Ion Ratio Lower Upper

63 100

65 32.4 21.6 40.0

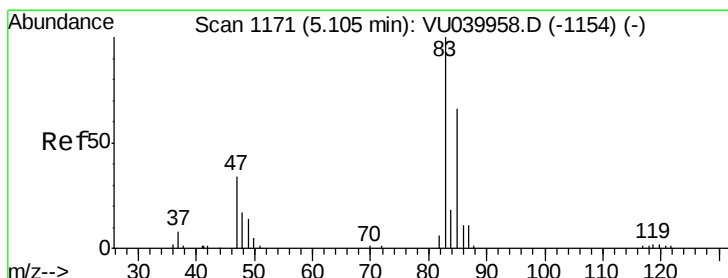
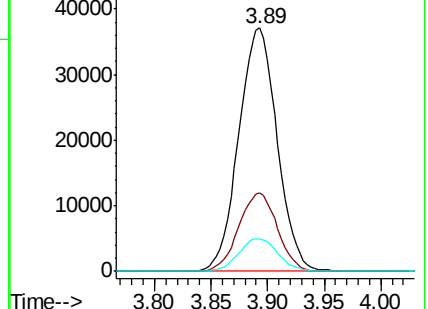
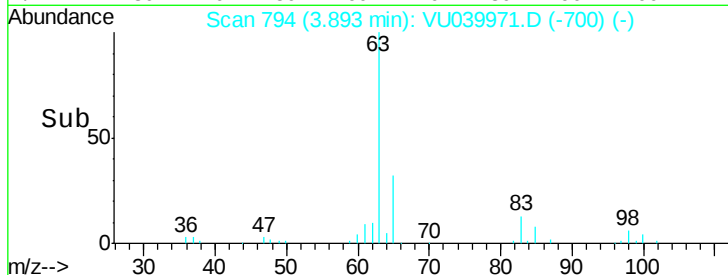
83 13.5 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU039971.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039971.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039971.D (-700) (-)



#25

Chloroform

Concen: 0.473 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039971.D

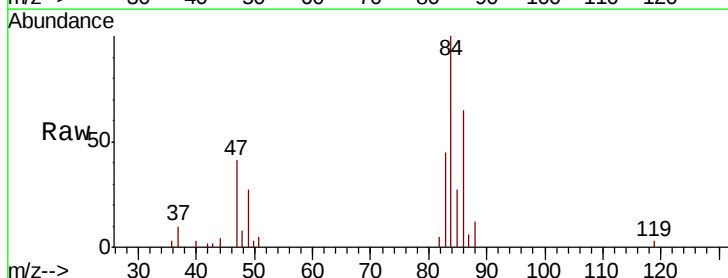
Acq: 25 Aug 2020 16:56

Tgt Ion: 83 Resp: 5562

Ion Ratio Lower Upper

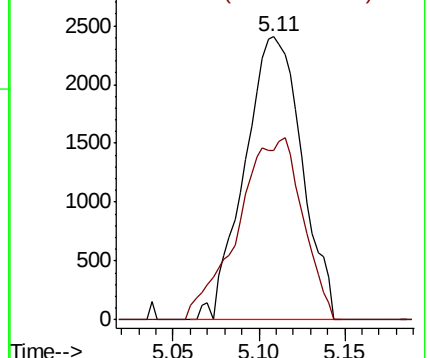
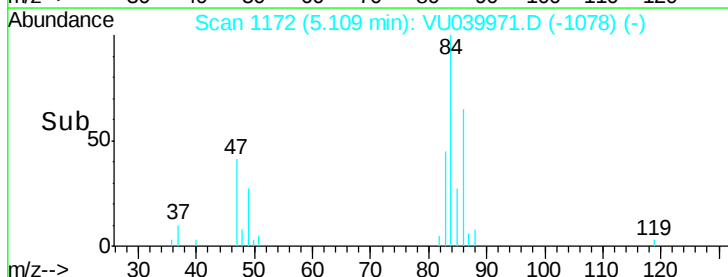
83 100

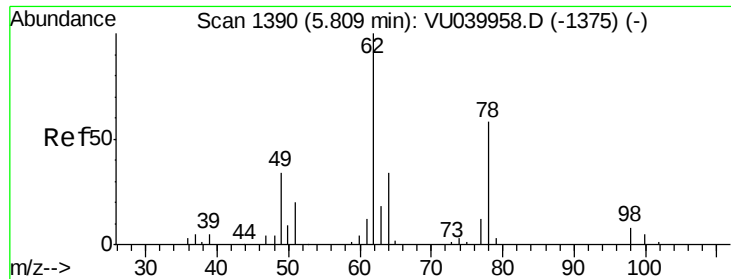
85 59.8 46.4 86.2



Abundance Ion 83.05 (82.75 to 83.75): VU039971.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039971.D (-1078) (-)

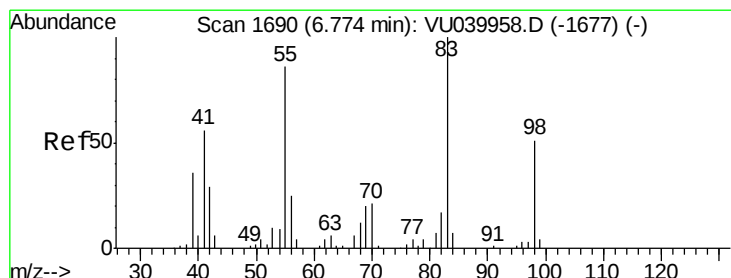
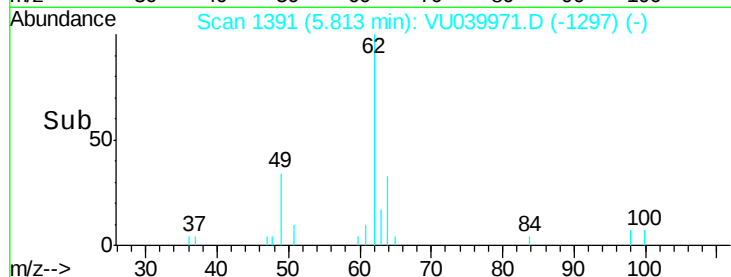
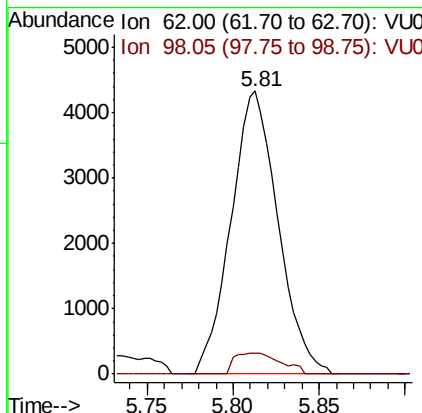
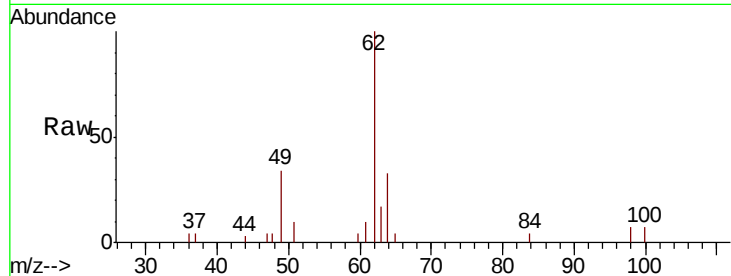




#27
 1,2-Dichloroethane
 Concen: 0.997 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU039971.D
 Acq: 25 Aug 2020 16:56

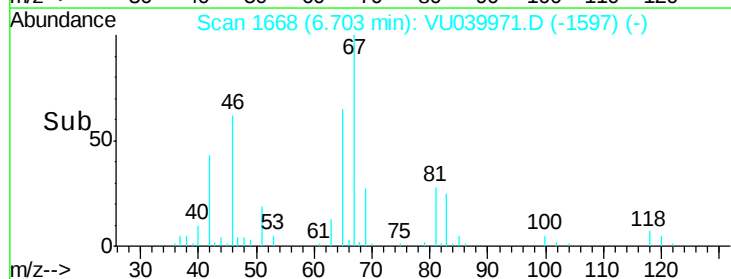
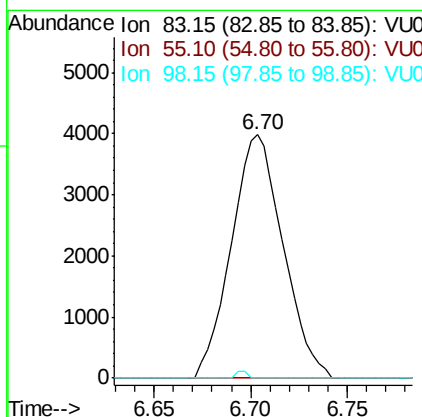
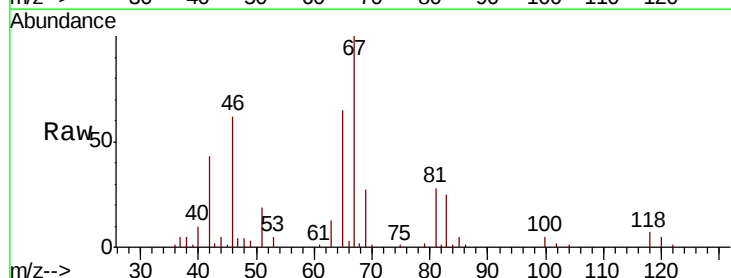
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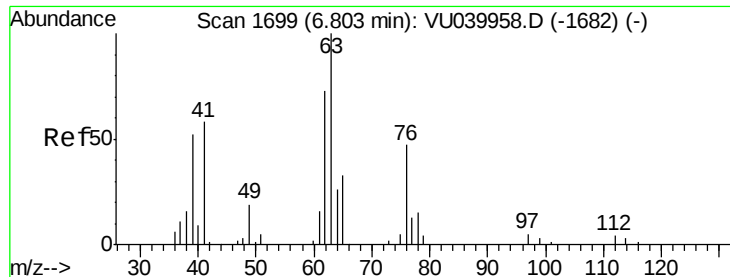
Tot Ion: 62 Resp: 8227
 Ion Ratio Lower Upper
 62 100
 98 7.5 7.4 11.2



#35
 Methylcyclohexane
 Concen: 0.774 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU039971.D
 Acq: 25 Aug 2020 16:56

Tgt Ion: 83 Resp: 7400
 Ion Ratio Lower Upper
 83 100
 55 0.0 64.1 96.1#
 98 0.6 39.4 59.0#

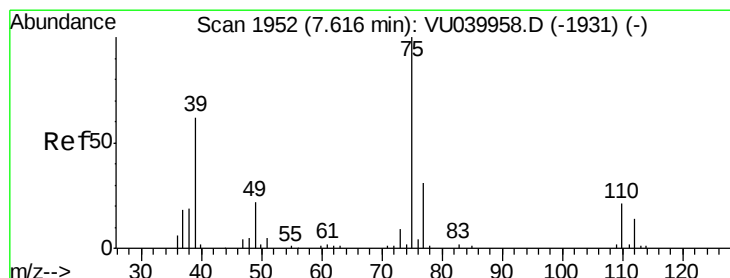
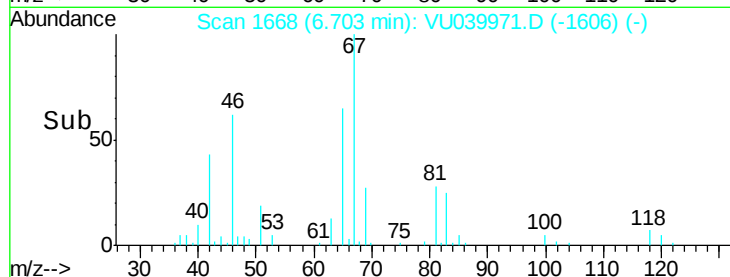
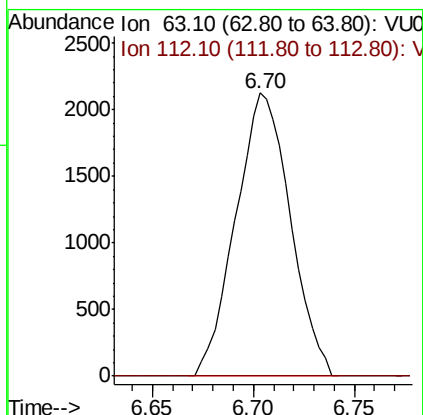
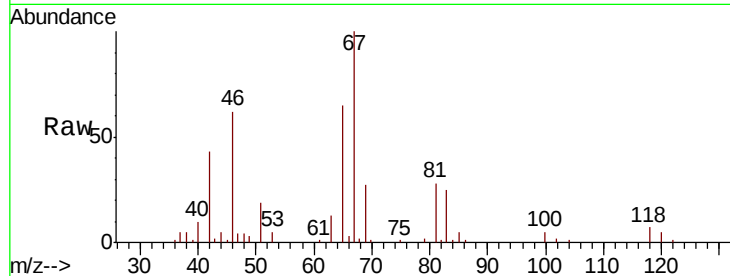




#37
 1,2-Dichloropropane
 Concen: 0.627 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU039971.D
 Acq: 25 Aug 2020 16:56

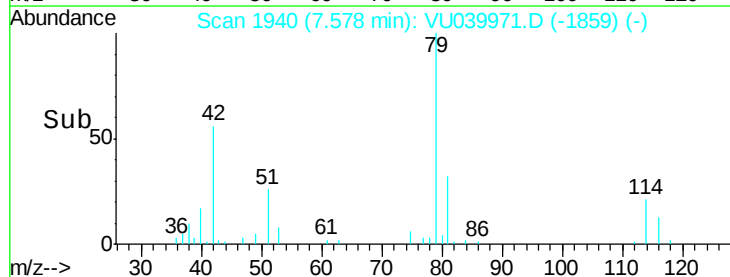
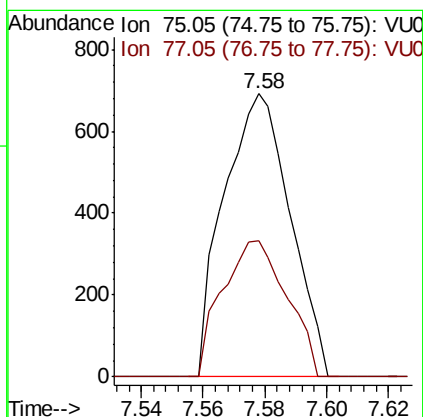
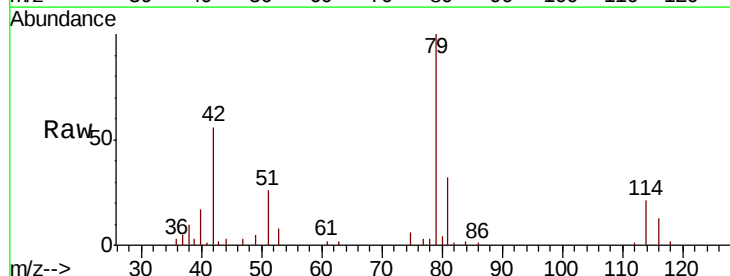
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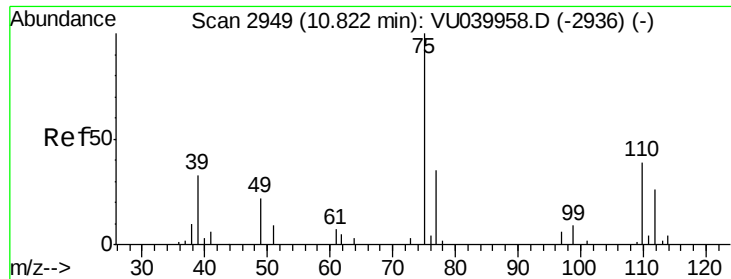
Tot Ion: 63 Resp: 4011
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039971.D
 Acq: 25 Aug 2020 16:56

Tgt Ion: 75 Resp: 1030
 Ion Ratio Lower Upper
 75 100
 77 48.3 22.6 42.0#





#59

1,2,3-Trichloropropane

Concen: 0.341 ug/L

RT: 10.52 min Scan# 2856

Delta R.T. -0.30 min

Lab File: VU039971.D

Acq: 25 Aug 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

F4Y19

Tot Ion: 75 Resp: 1562

Ion Ratio Lower Upper

75 100

77 0.0 27.4 41.2#

