

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082420\
 Data File : VU039955.D
 Acq On : 24 Aug 2020 18:35
 Operator : SY/MD
 Sample : L3789-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSS7

Quant Time: Aug 25 02:05:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 25 02:02:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64898	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62242	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30082	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25359	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.92	69	22366	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	39204	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	4.66	46	77802	42.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.90%
24) Chloroform-d	5.08	84	50473	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	28888	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.75	84	96616	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.70	67	32615	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.91	98	81704	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.19	79	11887	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.64	63	52962	40.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23716	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	32924	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

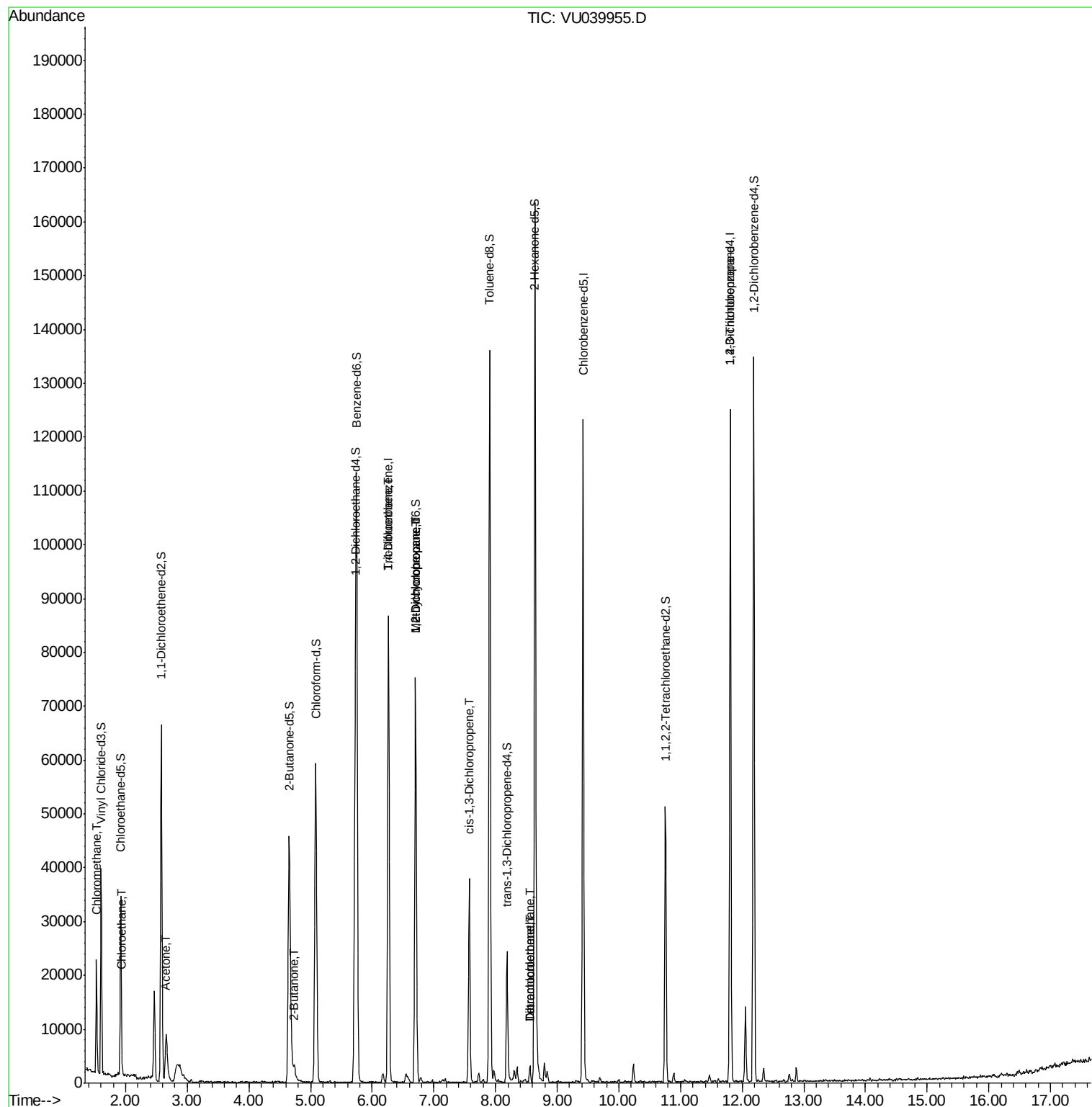
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	14401	1.887	ug/L	100
8) Chloroethane	1.94	64	476	0.103	ug/L #	42
13) Acetone	2.66	43	15077	12.180	ug/L #	45
21) 2-Butanone	4.73	43	3145	1.462	ug/L #	67
34) Trichloroethene	6.26	95	1176	0.200	ug/L #	7
35) Methylcyclohexane	6.71	83	7283	0.810	ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3687	0.613	ug/L #	85
39) cis-1,3-Dichloropropene	7.58	75	1041	0.124	ug/L #	43
47) Tetrachloroethene	8.56	164	646	0.149	ug/L	79
49) Dibromochloromethane	8.56	129	635	0.116	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3877	0.900	ug/L #	81

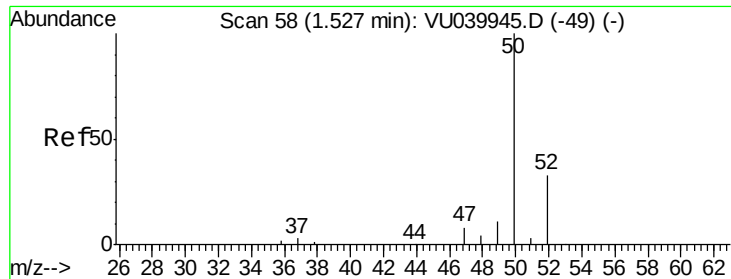
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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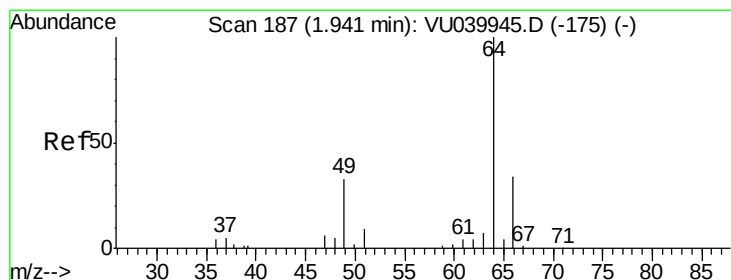
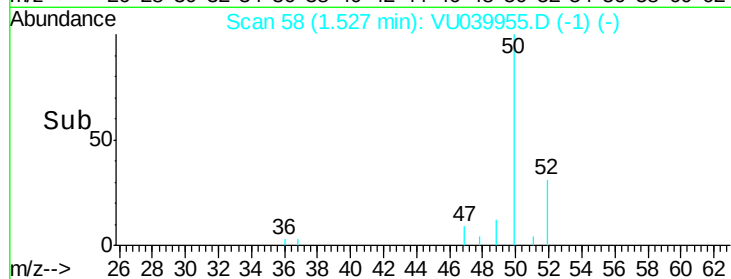
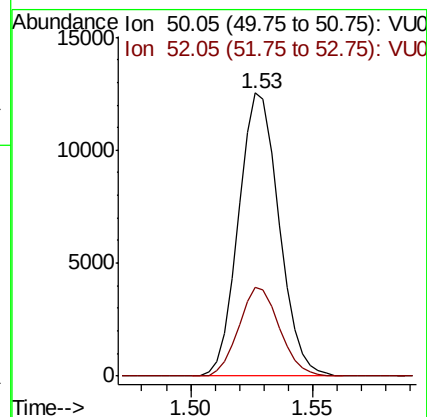
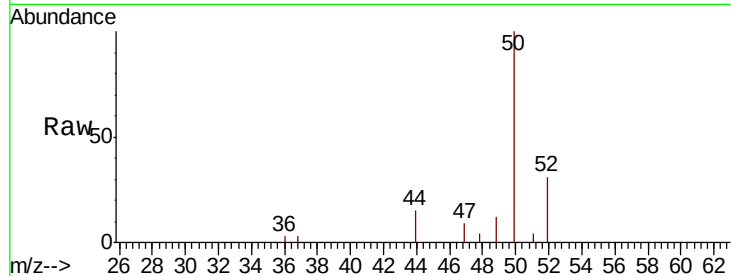




#3
Chloromethane
Concen: 1.887 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU039955.D
Acq: 24 Aug 2020 18:35

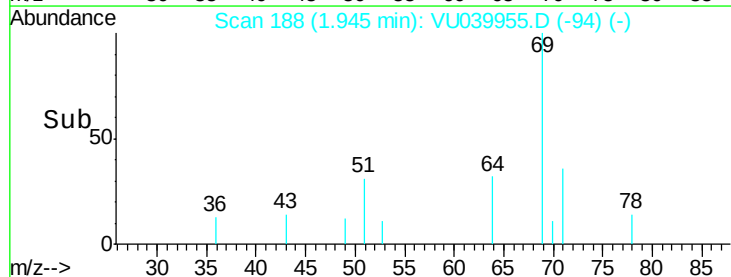
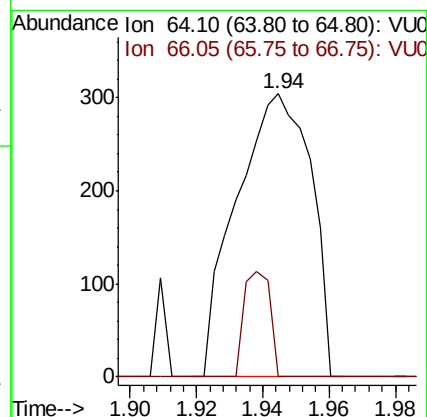
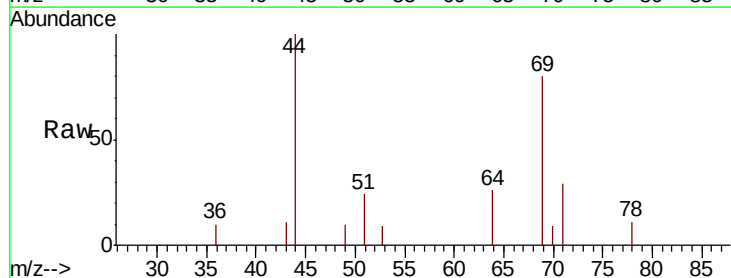
Instrument :
MSVOA_U
ClientSampled :
BFSS7

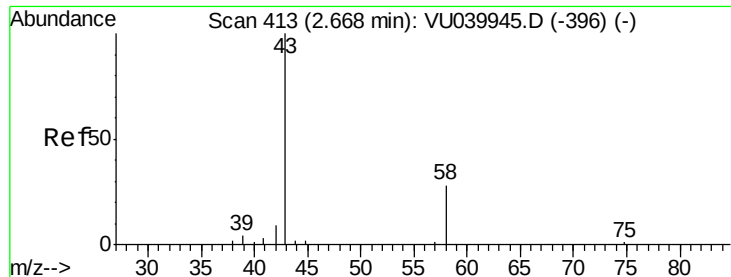
Tot Ion: 50 Resp: 14401
Ion Ratio Lower Upper
50 100
52 31.3 21.9 40.7



#8
Chloroethane
Concen: 0.103 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039955.D
Acq: 24 Aug 2020 18:35

Tgt Ion: 64 Resp: 476
Ion Ratio Lower Upper
64 100
66 0.0 22.6 42.0#





#13

Acetone

Concen: 12.180 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU039955.D

Acq: 24 Aug 2020 18:35

Instrument :

MSVOA_U

ClientSampleId :

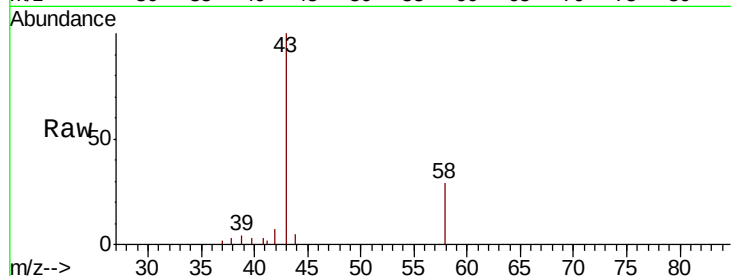
BFSS7

Tot Ion: 43 Resp: 15077

Ion Ratio Lower Upper

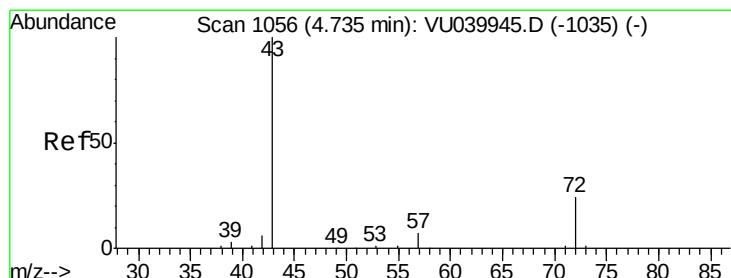
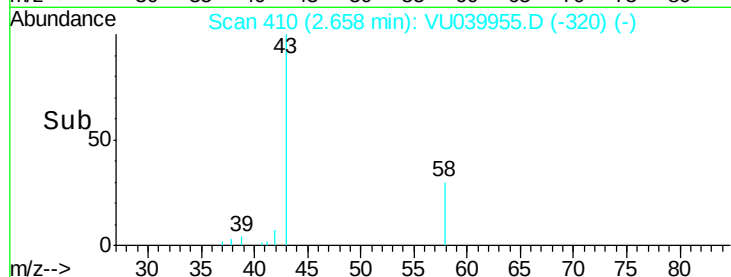
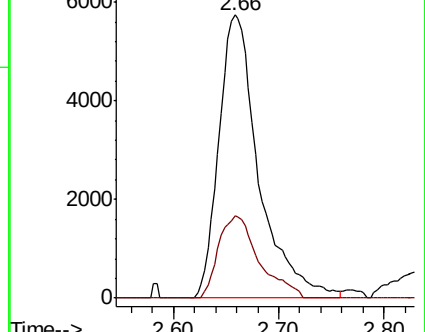
43 100

58 29.5 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039945.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039945.D (-396) (-)



#21

2-Butanone

Concen: 1.462 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039955.D

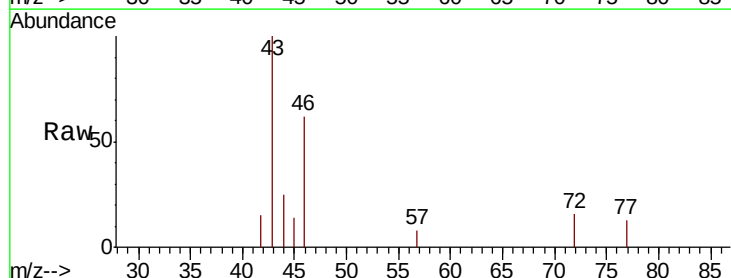
Acq: 24 Aug 2020 18:35

Tgt Ion: 43 Resp: 3145

Ion Ratio Lower Upper

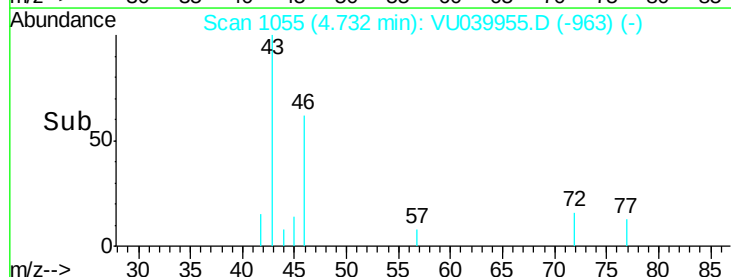
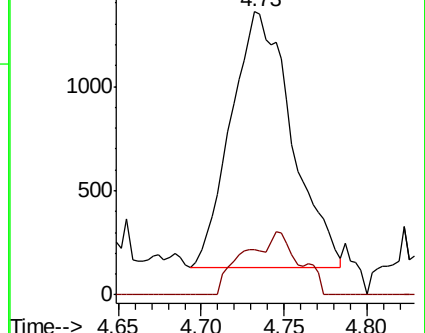
43 100

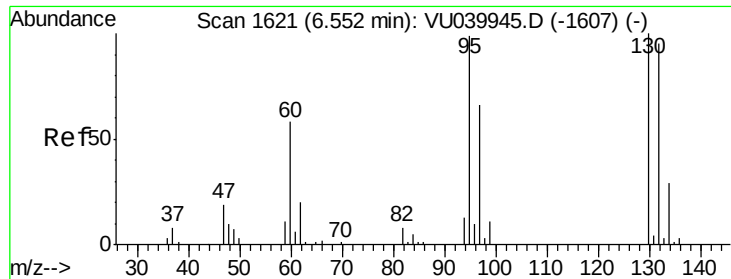
72 8.8 12.7 38.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039945.D (-1035) (-)

Ion 72.10 (71.80 to 72.80): VU039945.D (-1035) (-)

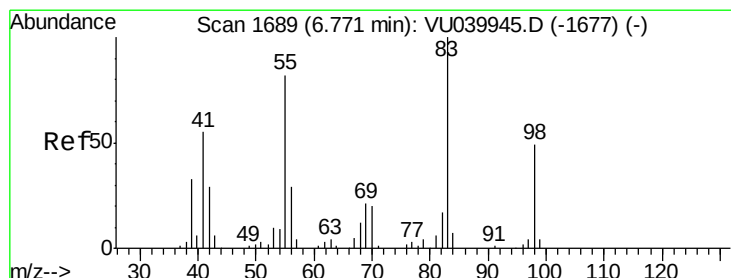
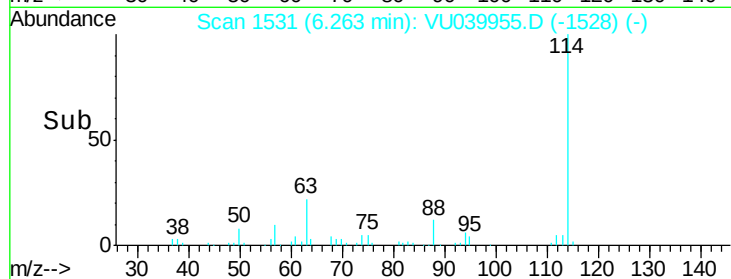
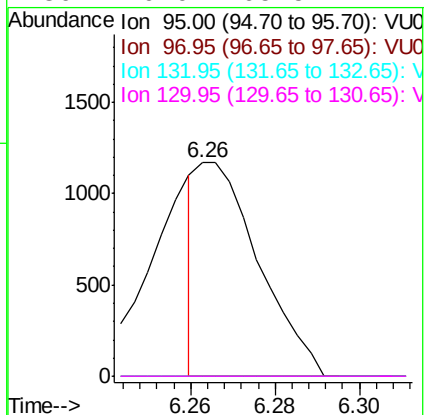
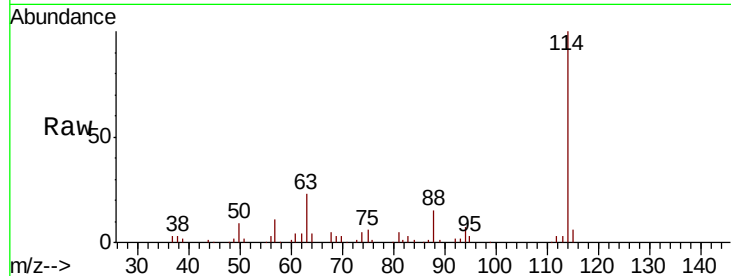




#34
 Trichloroethene
 Concen: 0.200 ug/L
 RT: 6.26 min Scan# 1531
 Delta R.T. -0.29 min
 Lab File: VU039955.D
 Acq: 24 Aug 2020 18:35

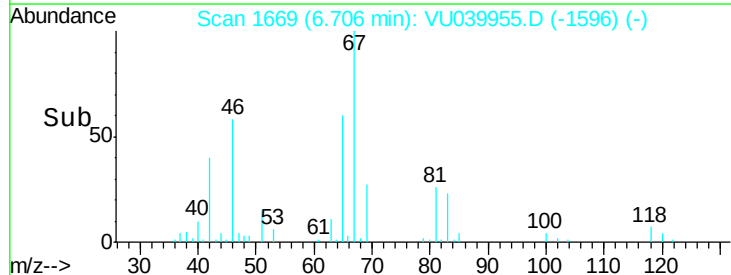
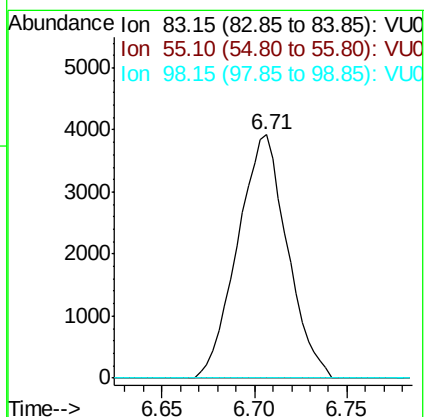
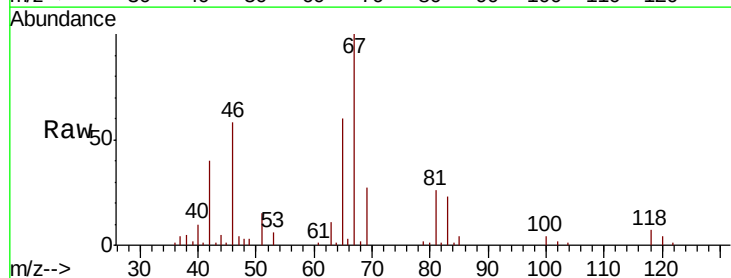
Instrument :
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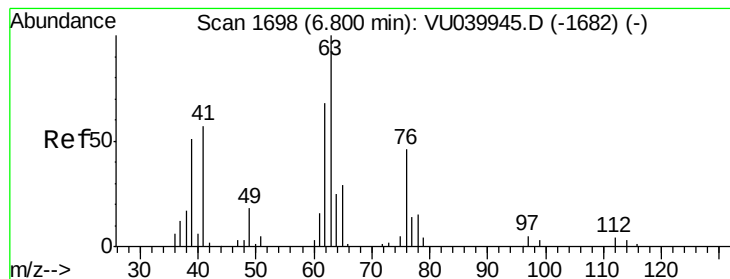
Tot Ion: 95 Resp: 1176
 Ion Ratio Lower Upper
 95 100
 97 0.0 42.0 78.0#
 132 0.0 65.0 120.8#
 130 0.0 65.5 121.7#



#35
 Methylcyclohexane
 Concen: 0.810 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.06 min
 Lab File: VU039955.D
 Acq: 24 Aug 2020 18:35

Tgt Ion: 83 Resp: 7283
 Ion Ratio Lower Upper
 83 100
 55 0.0 64.1 96.1#
 98 0.0 39.4 59.0#





#37

1,2-Dichloropropane

Concen: 0.613 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU039955.D

Acq: 24 Aug 2020 18:35

Instrument :

MSVOA_U

ClientSampleId :

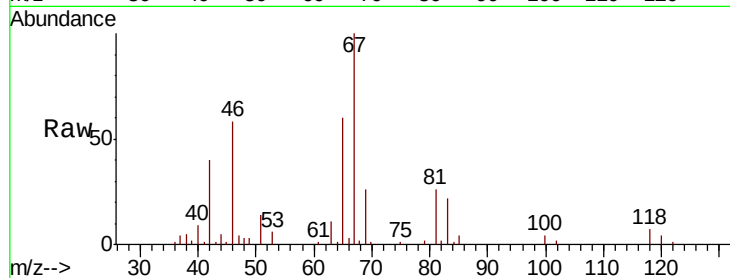
BFSS7

Tot Ion: 63 Resp: 3687

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VU039945.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039945.D (-1682) (-)

6.70

2000

1500

1000

500

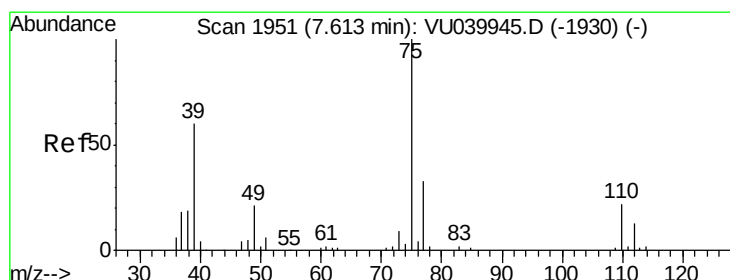
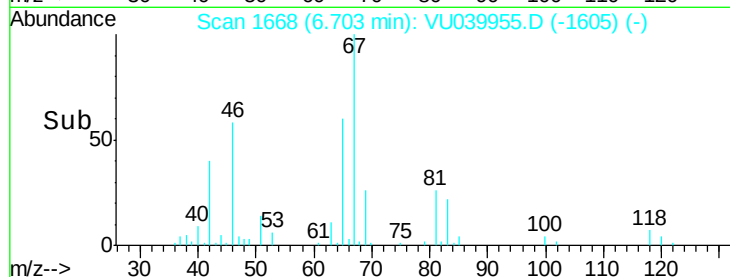
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.124 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039955.D

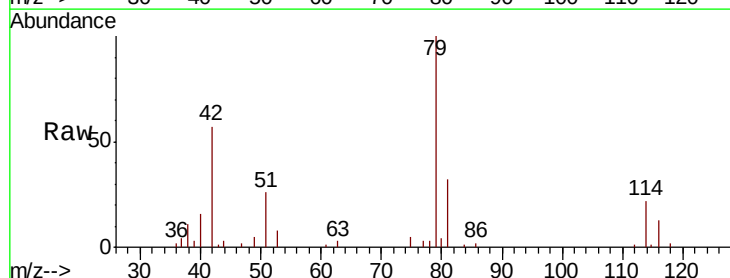
Acq: 24 Aug 2020 18:35

Tgt Ion: 75 Resp: 1041

Ion Ratio Lower Upper

75 100

77 64.2 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039945.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039945.D (-1930) (-)

7.58

600

400

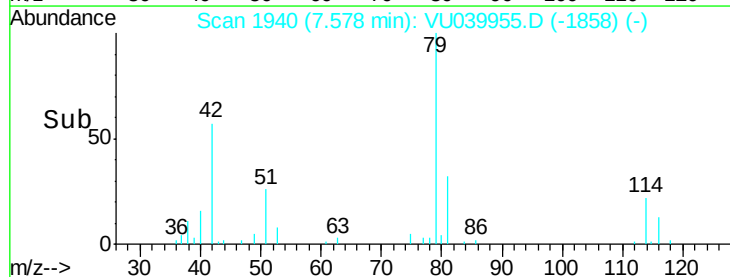
200

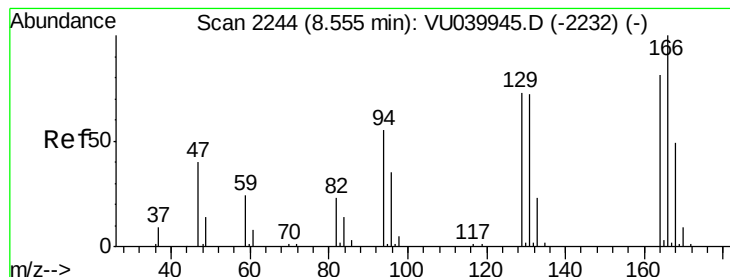
0

7.55

7.60

Time-->





#47

Tetrachloroethene

Concen: 0.149 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU039955.D

Acq: 24 Aug 2020 18:35

Instrument :

MSVOA_U

ClientSampleId :

BFSS7

Tot Ion:164 Resp: 646

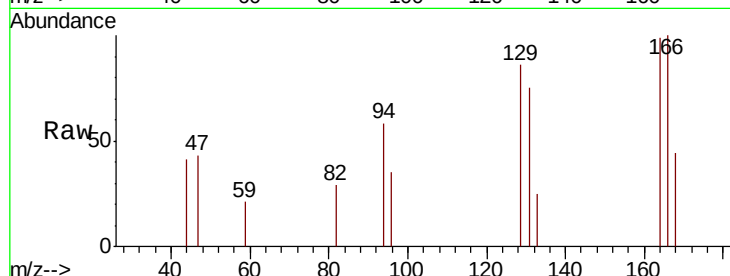
Ion Ratio Lower Upper

164 100

129 86.6 69.1 128.3

131 75.7 66.0 122.6

166 101.2 94.0 174.6

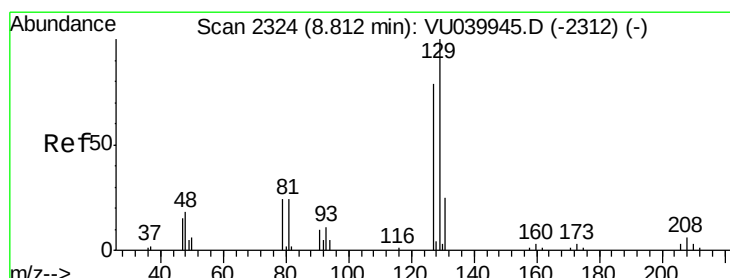
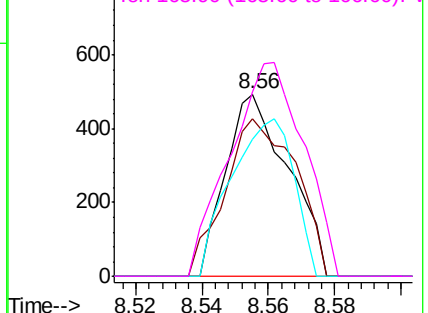
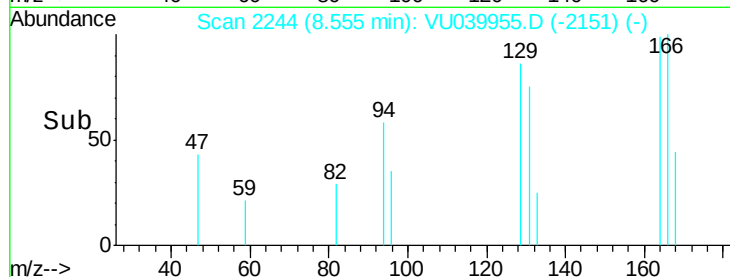


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.116 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU039955.D

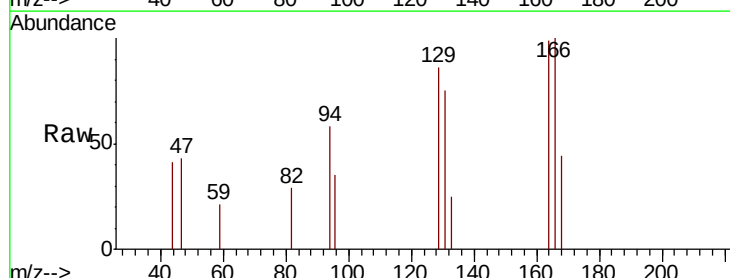
Acq: 24 Aug 2020 18:35

Tgt Ion:129 Resp: 635

Ion Ratio Lower Upper

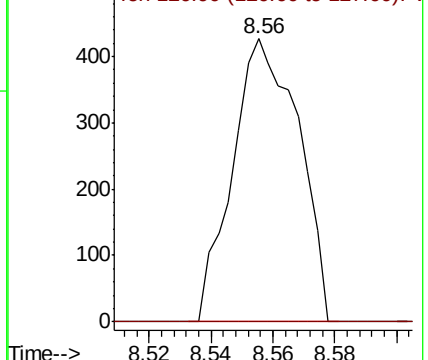
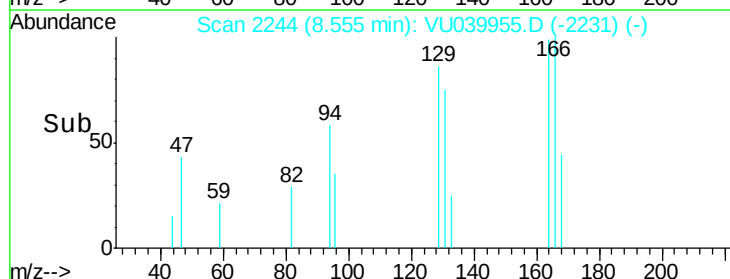
129 100

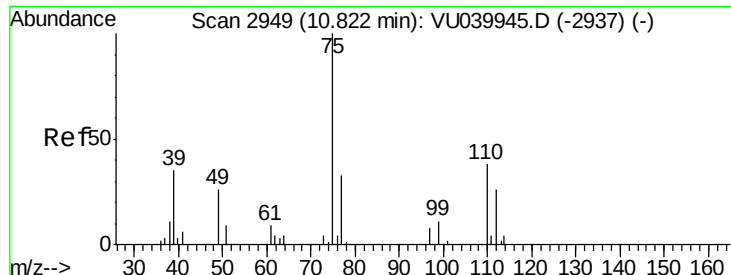
127 0.0 53.1 98.7#



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: 0.900 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039955.D

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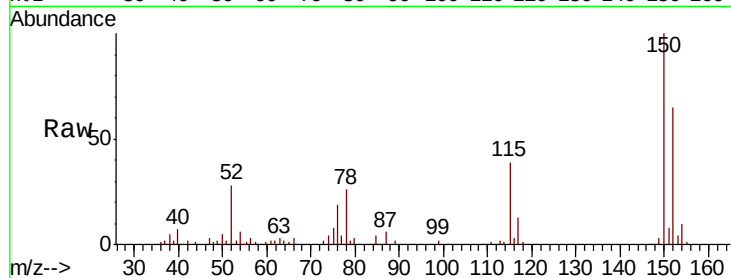
BFSS7

Tot Ion: 75 Resp: 3877

Ion Ratio Lower Upper

75 100

77 45.2 27.4 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

