

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040308.D
 Acq On : 25 Sep 2020 18:37
 Operator : SY/MD
 Sample : L4147-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS9A9

Quant Time: Sep 26 06:51:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 06:44:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121647	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122983	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53882	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31615	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	30392	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.58	63	51160	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.66	46	153536	57.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.58%
24) Chloroform-d	5.08	84	71482	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.72	65	45847	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.74	84	134858	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	46391	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.91	98	105104	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.19	79	17562	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.64	63	105429	51.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40656	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45072	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

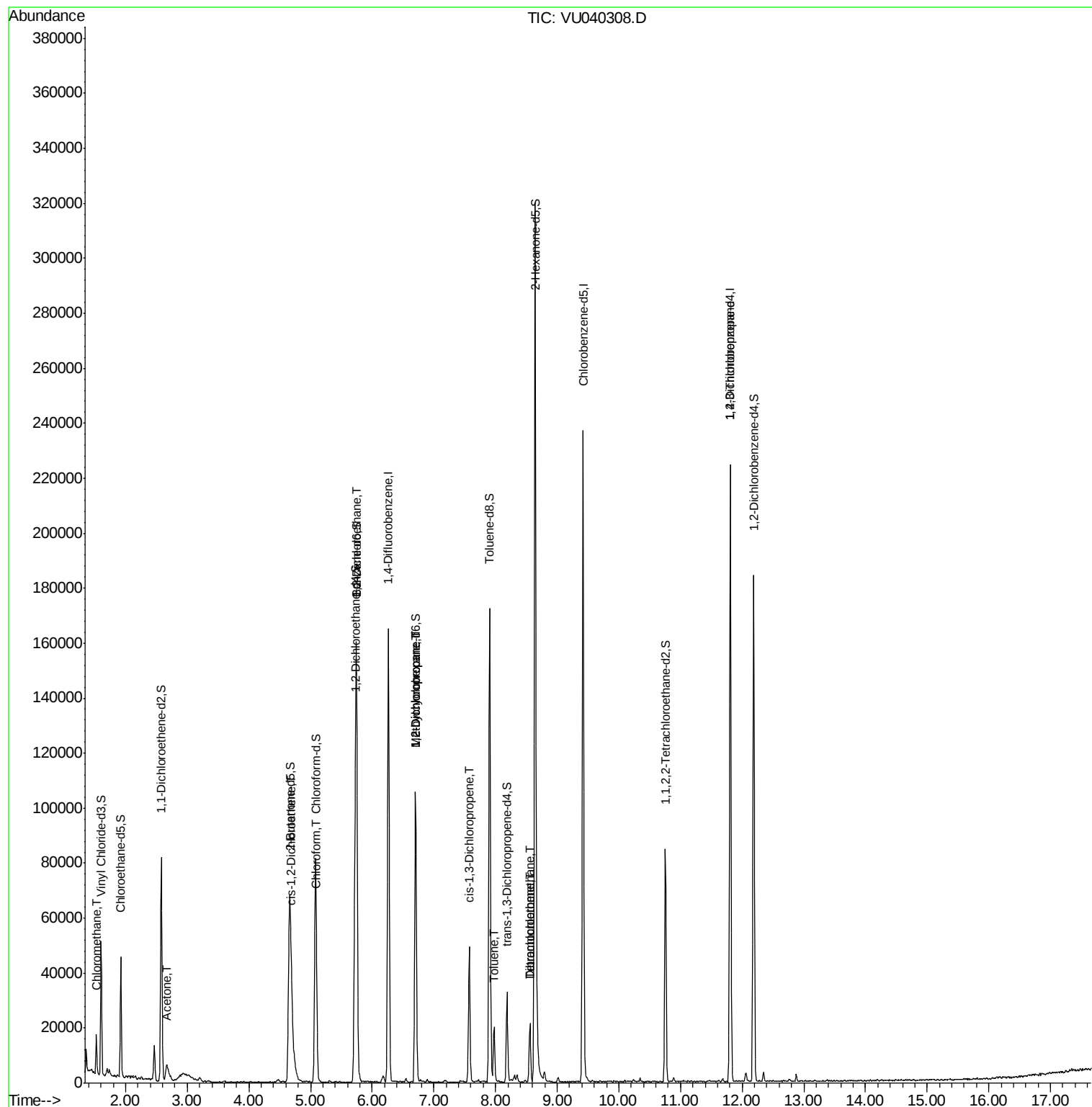
					Ovalue
3) Chloromethane	1.52	50	10157	0.879 ug/L	99
13) Acetone	2.67	43	16121	6.555 ug/L	78
22) cis-1,2-Dichloroethene	4.69	96	1836	0.169 ug/L	91
25) Chloroform	5.11	83	1247	0.058 ug/L	97
27) 1,2-Dichloroethane	5.74	62	801	0.051 ug/L #	78
35) Methylcyclohexane	6.70	83	10475	0.580 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5323	0.447 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1245	0.071 ug/L #	79
42) Toluene	7.98	91	13195	0.291 ug/L	96
47) Tetrachloroethene	8.55	164	4275	0.551 ug/L	94
49) Dibromochloromethane	8.55	129	4674	0.449 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	7785	0.882 ug/L	92

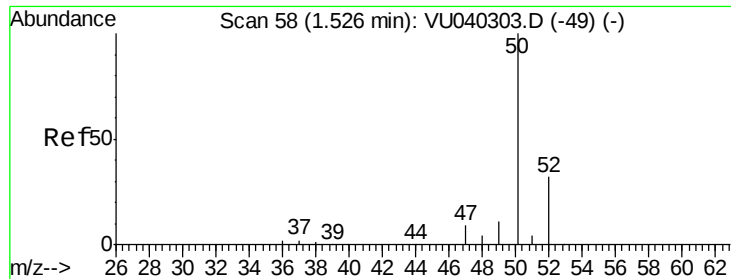
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 26 06:44:13 2020
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#3

Chloromethane

Concen: 0.879 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040308.D

Acq: 25 Sep 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

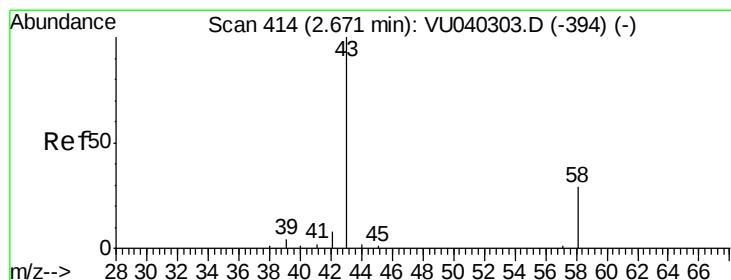
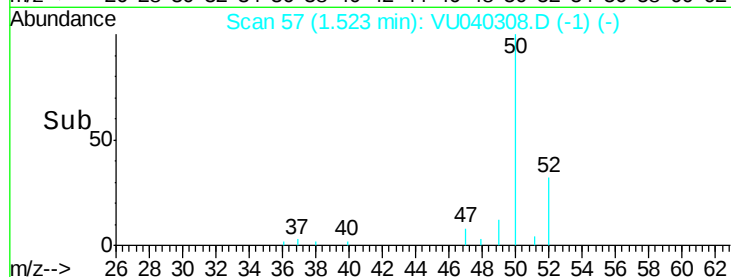
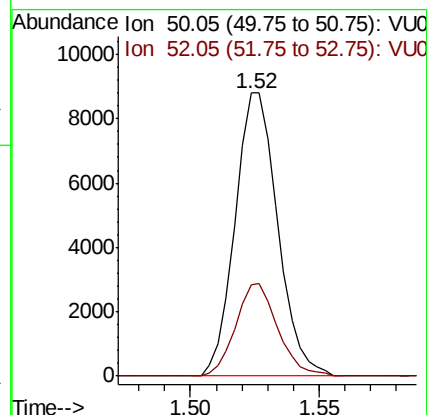
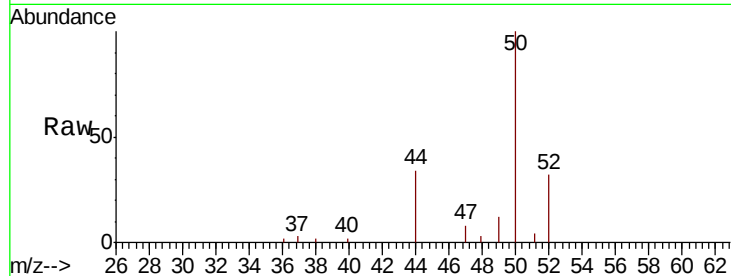
BFSA9

Tot Ion: 50 Resp: 10157

Ion Ratio Lower Upper

50 100

52 32.3 22.8 42.4



#13

Acetone

Concen: 6.555 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040308.D

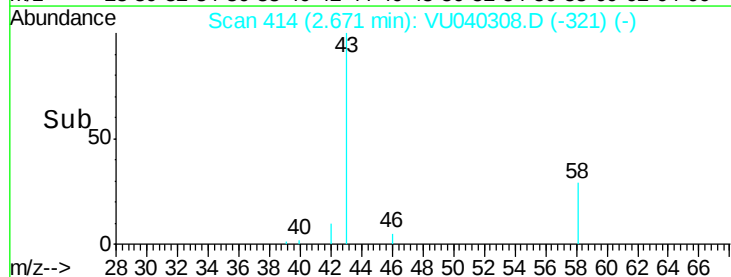
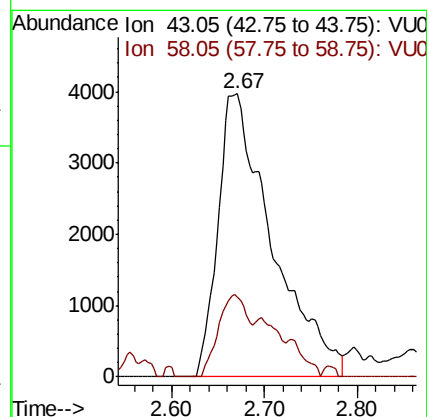
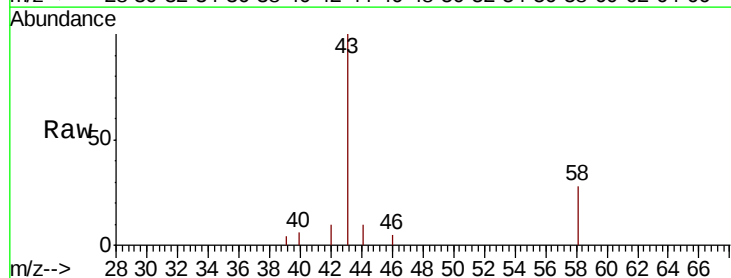
Acq: 25 Sep 2020 18:37

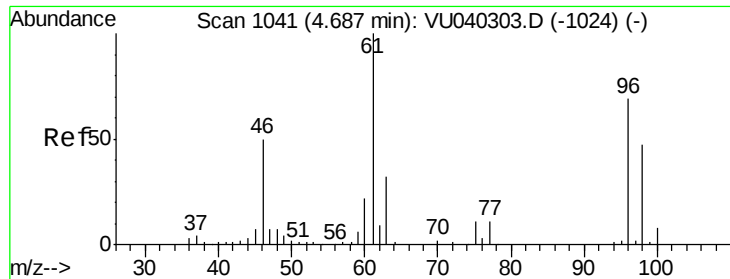
Tgt Ion: 43 Resp: 16121

Ion Ratio Lower Upper

43 100

58 16.0 0.0 55.4

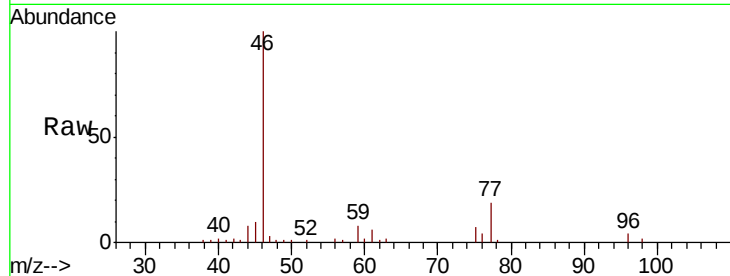




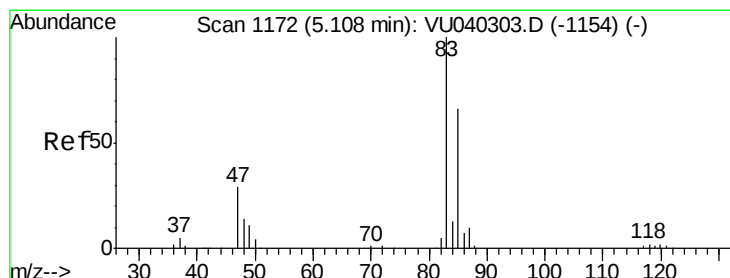
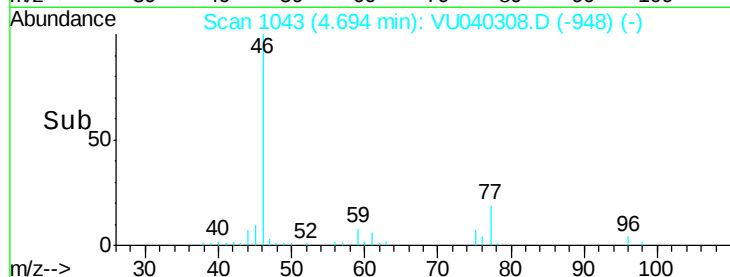
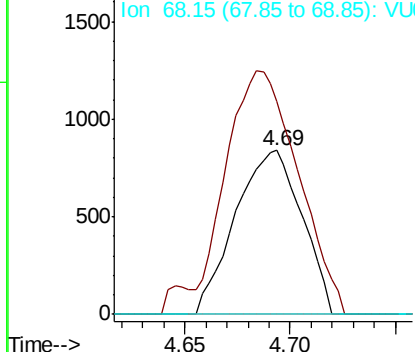
#22
 cis-1,2-Dichloroethene
 Concen: 0.169 ug/L
 RT: 4.69 min Scan# 1043
 Delta R.T. 0.01 min
 Lab File: VU040308.D
 Acq: 25 Sep 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS9

Tot Ion: 96 Resp: 1836
 Ion Ratio Lower Upper
 96 100
 61 129.7 98.8 183.4
 68 0.0 0.0 0.0

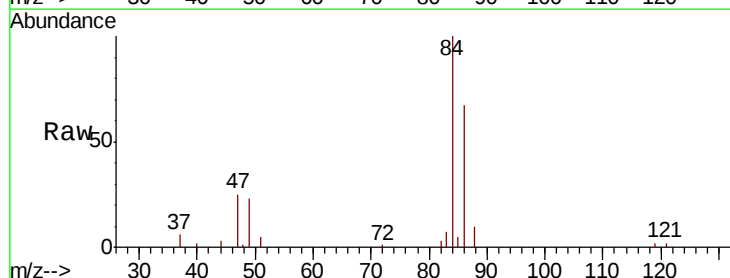


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

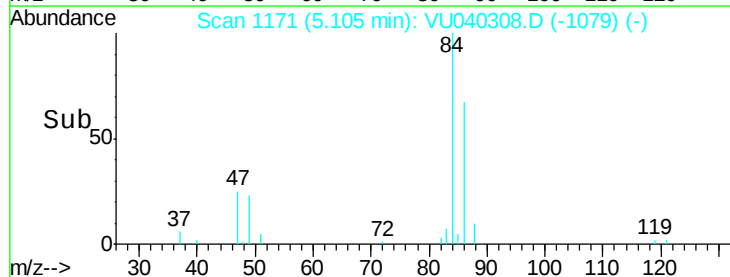
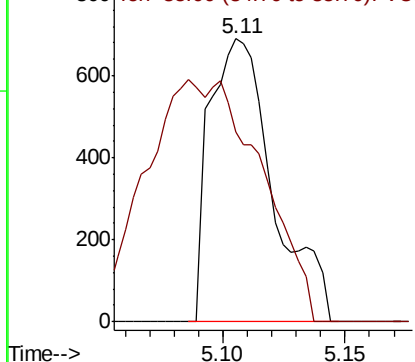


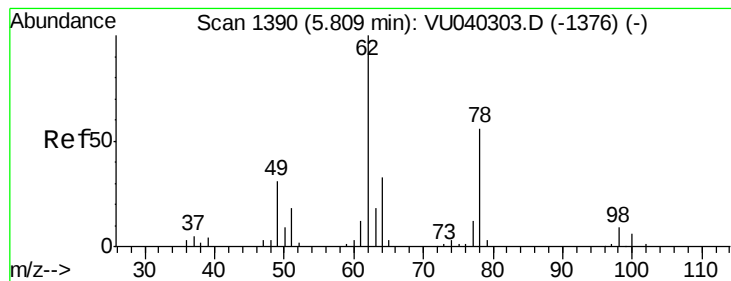
#25
 Chloroform
 Concen: 0.058 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU040308.D
 Acq: 25 Sep 2020 18:37

Tgt Ion: 83 Resp: 1247
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.051 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU040308.D

Acq: 25 Sep 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

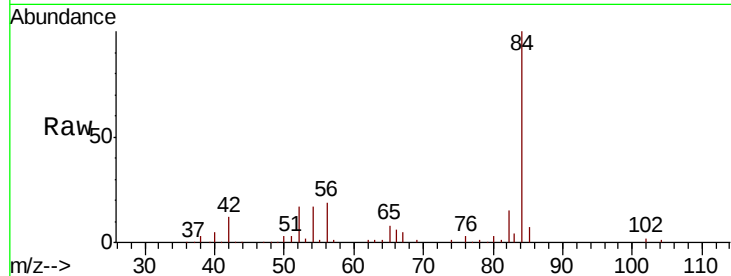
BFSA9

Tot Ion: 62 Resp: 801

Ion Ratio Lower Upper

62 100

98 0.0 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

500

400

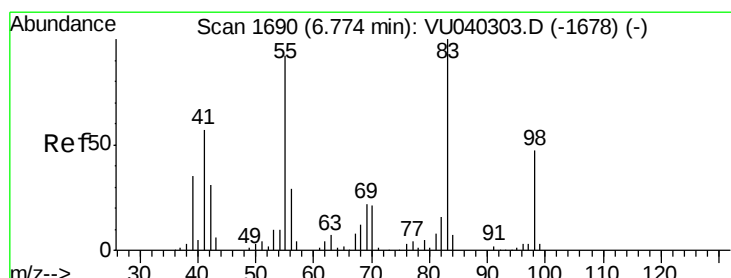
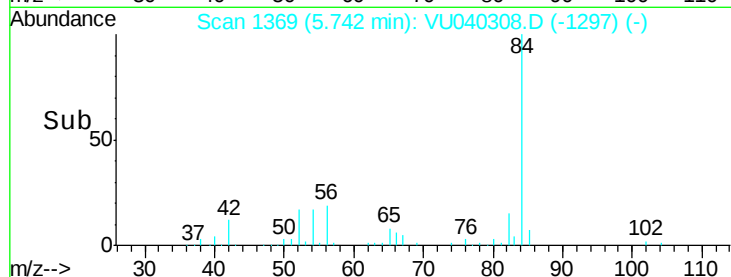
300

200

100

0

Time-->



#35

Methylcyclohexane

Concen: 0.580 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU040308.D

Acq: 25 Sep 2020 18:37

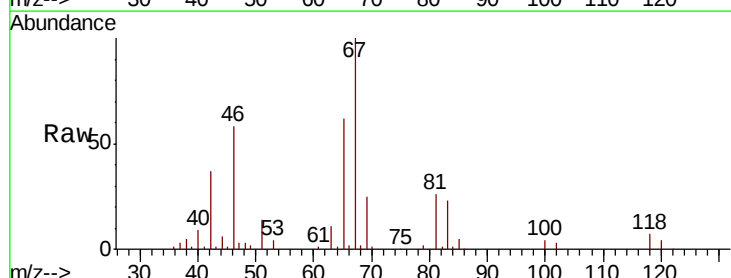
Tgt Ion: 83 Resp: 10475

Ion Ratio Lower Upper

83 100

55 0.0 70.5 105.7#

98 1.2 37.8 56.6#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

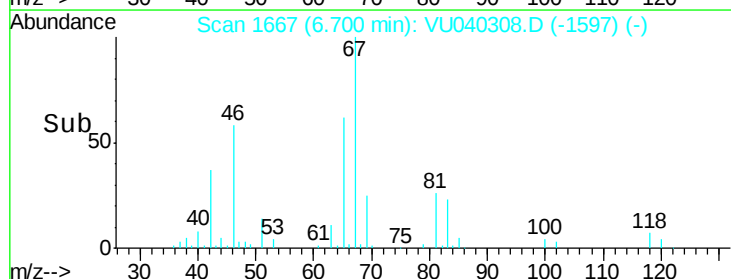
6000

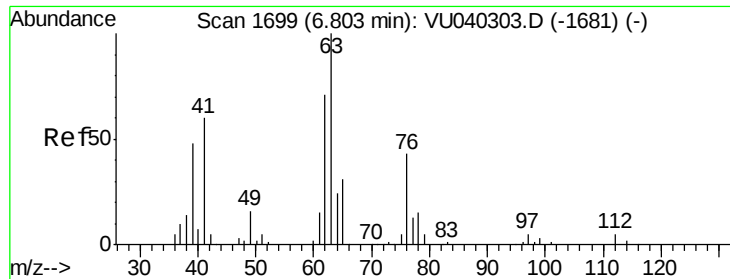
4000

2000

0

Time-->

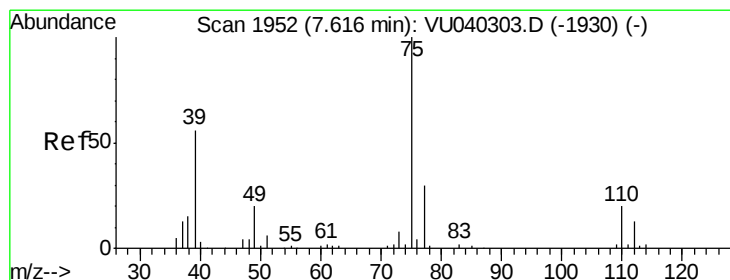
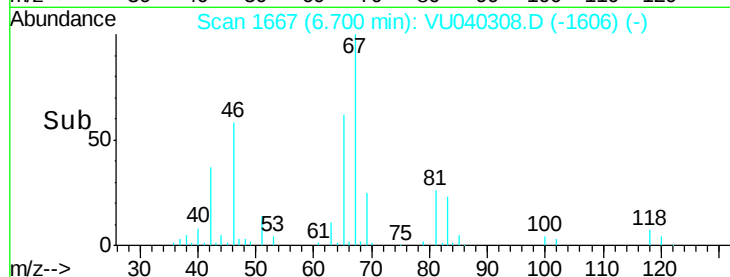
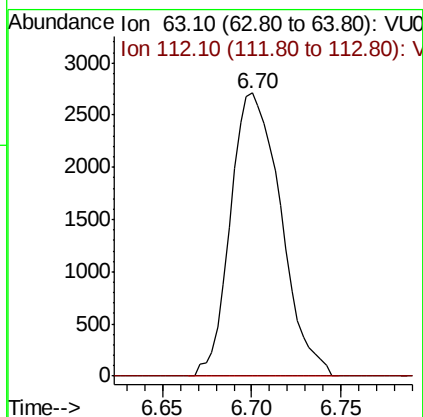
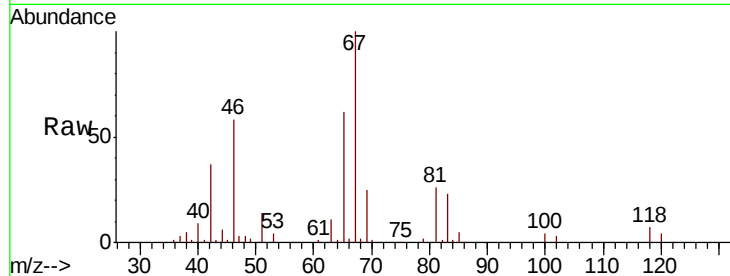




#37
 1,2-Dichloropropane
 Concen: 0.447 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040308.D
 Acq: 25 Sep 2020 18:37

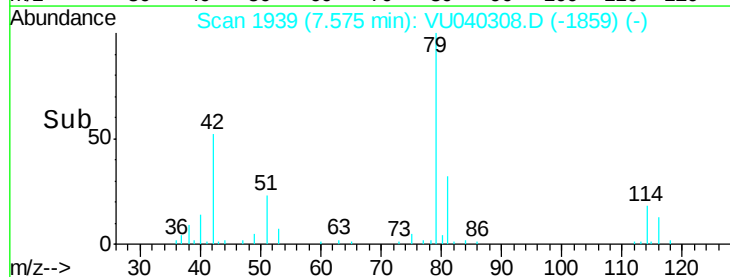
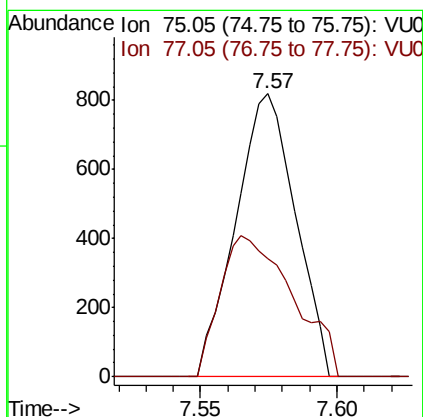
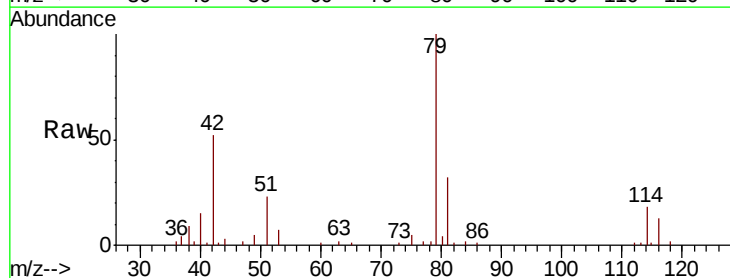
Instrument :
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 ClientSampleId :
 BFS9

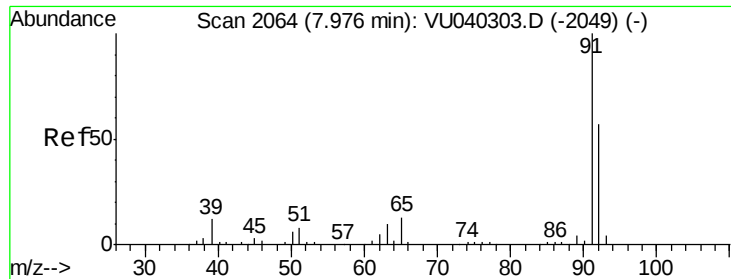
Tot Ion: 63 Resp: 5323
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040308.D
 Acq: 25 Sep 2020 18:37

Tgt Ion: 75 Resp: 1245
 Ion Ratio Lower Upper
 75 100
 77 41.6 21.1 39.3#





#42

Toluene

Concen: 0.291 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040308.D

Acq: 25 Sep 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

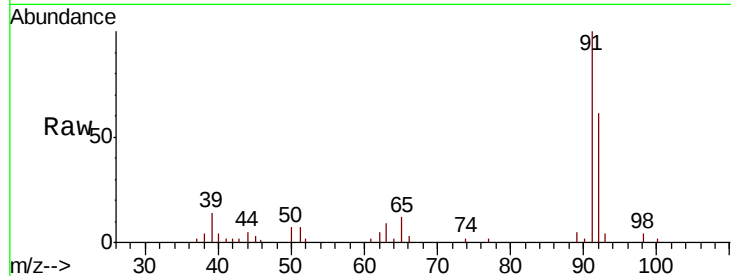
BFSA9

Tot Ion: 91 Resp: 13195

Ion Ratio Lower Upper

91 100

92 61.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040308.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040308.D (-2049) (-)

7.98

8000

6000

4000

2000

0

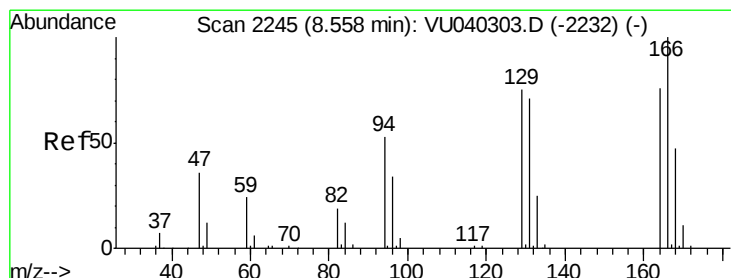
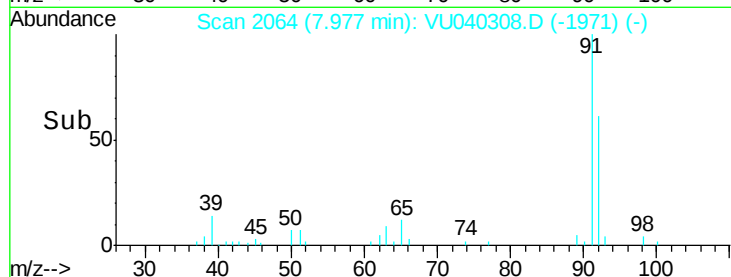
Time-->

7.90

7.95

8.00

8.05



#47

Tetrachloroethene

Concen: 0.551 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.01 min

Lab File: VU040308.D

Acq: 25 Sep 2020 18:37

Tgt Ion: 164 Resp: 4275

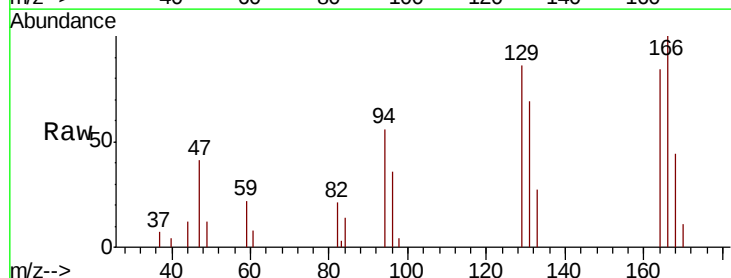
Ion Ratio Lower Upper

164 100

129 103.3 71.5 132.7

131 82.6 65.9 122.5

166 119.6 87.3 162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040308.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU040308.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU040308.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU040308.D (-2232) (-)

5000

4000

3000

2000

1000

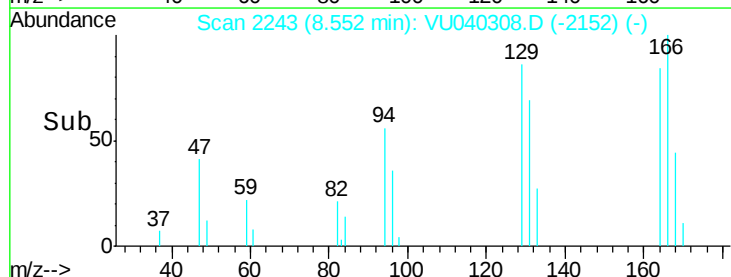
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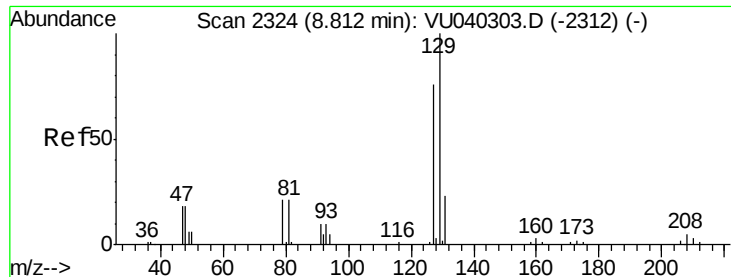
Time-->

8.50

8.55

8.60





#49

Dibromochloromethane

Concen: 0.449 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.26 min

Lab File: VU040308.D

Acq: 25 Sep 2020 18:37

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ClientSampleId :

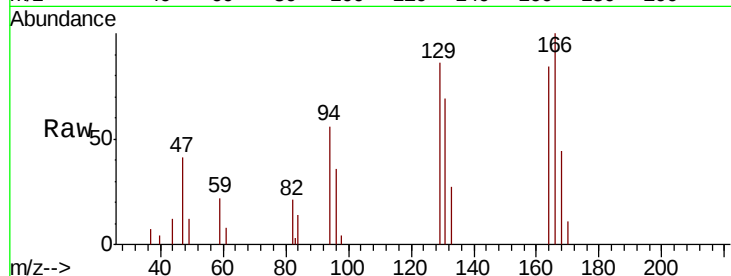
BFSA9

Tot Ion:129 Resp: 4674

Ion Ratio Lower Upper

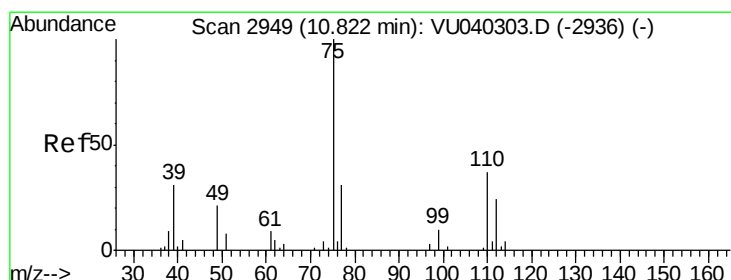
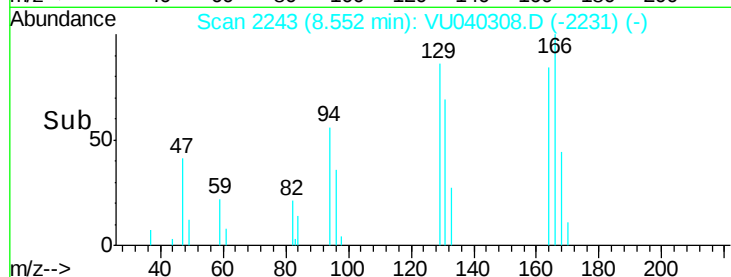
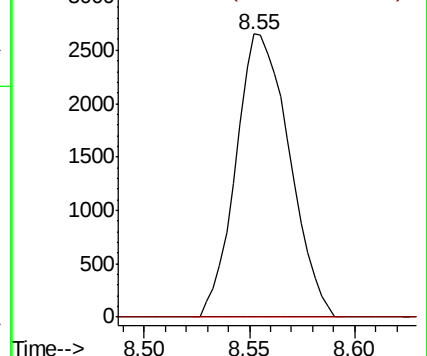
129 100

127 0.0 53.7 99.7#



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: 0.882 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040308.D

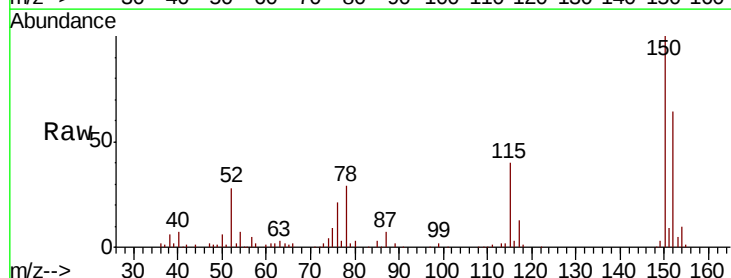
Acq: 25 Sep 2020 18:37

Tgt Ion: 75 Resp: 7785

Ion Ratio Lower Upper

75 100

77 35.5 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

