

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071020\
 Data File : VU039437.D
 Acq On : 10 Jul 2020 18:01
 Operator : SY/MD
 Sample : L3244-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 11 02:53:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 11 02:49:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	91339	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	86729	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	41190	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22367	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.92	69	28094	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.58	63	35727	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.65	46	143978	59.44	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.88%
24) Chloroform-d	5.09	84	58472	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	38862	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.74	84	112420	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.70	67	39945	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.91	98	94372	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	8.19	79	15712	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	104935	54.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.22%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	37371	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	40038	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

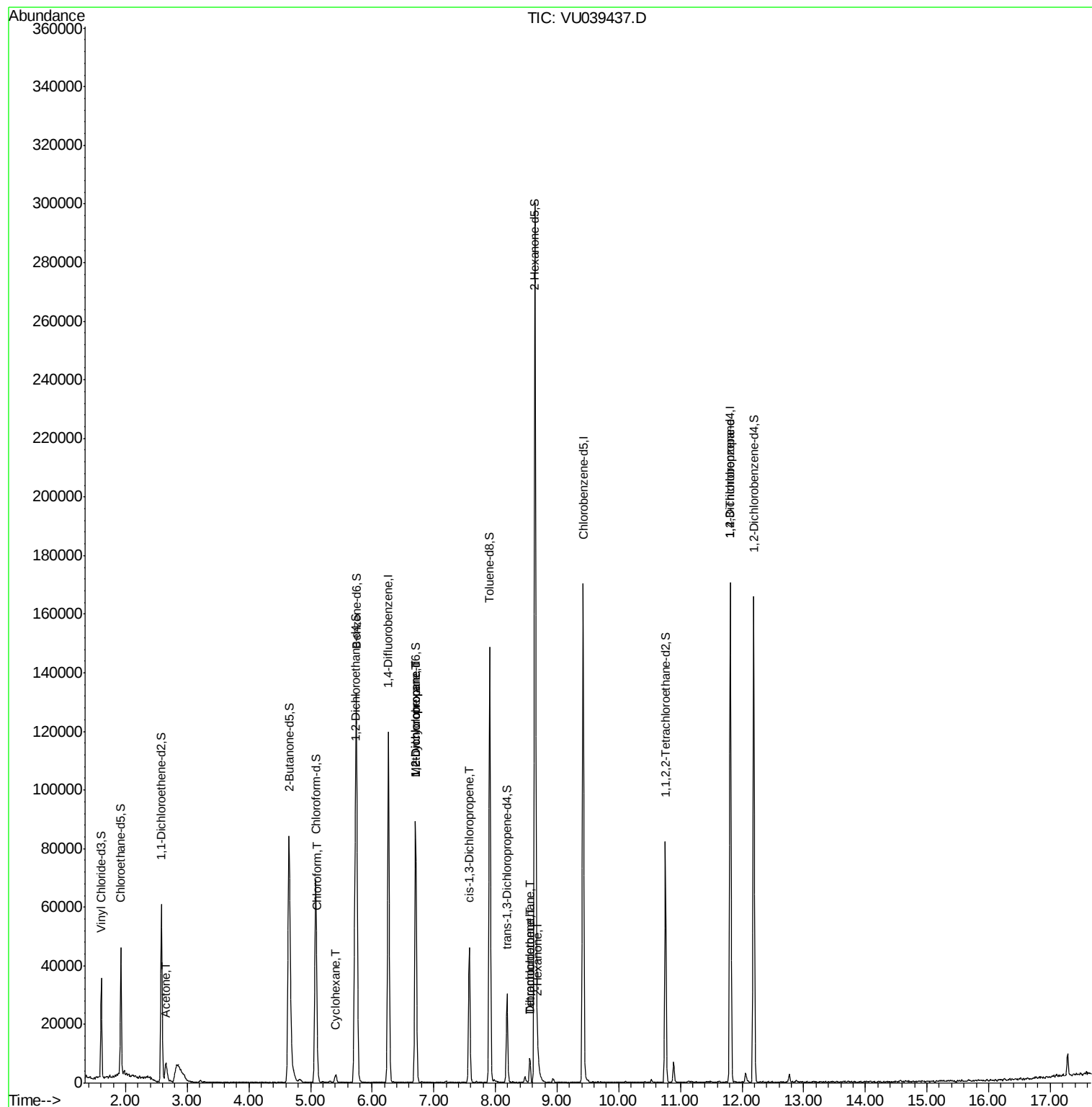
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.65	43	11230	8.589	ug/L	96
25) Chloroform	5.11	83	3426	0.288	ug/L	100
30) Cyclohexane	5.41	56	1427	0.133	ug/L #	96
35) Methylcyclohexane	6.70	83	8504	0.792	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	4648	0.658	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1147	0.107	ug/L #	66
47) Tetrachloroethene	8.56	164	1460	0.313	ug/L	87
48) 2-Hexanone	8.69	43	4405	1.013	ug/L #	48
49) Dibromochloromethane	8.56	129	1459	0.237	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6539	1.255	ug/L	99

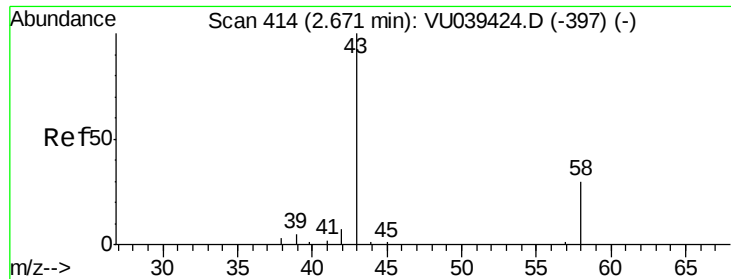
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 8.589 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU039437.D

Acq: 10 Jul 2020 18:01

Instrument :

MSVOA_U

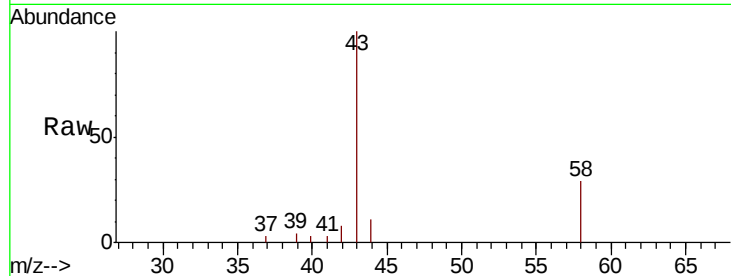
ClientSampleId :

Tot Ion: 43 Resp: 11230

Ion Ratio Lower Upper

43 100

58 29.1 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039424.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU039424.D (-397) (-)

2.65

5000

4000

3000

2000

1000

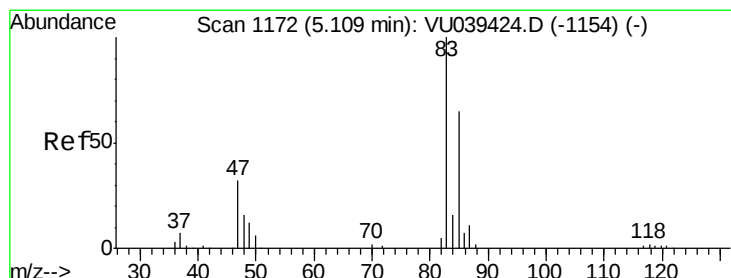
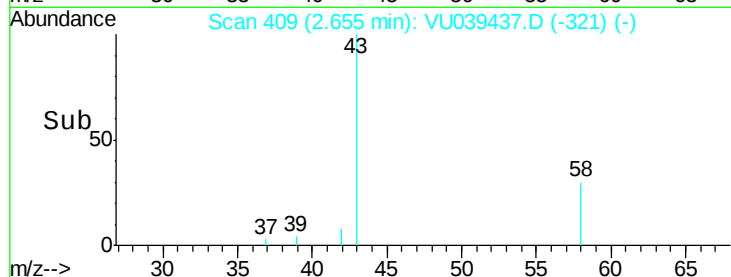
0

Time-->

2.60

2.70

2.80



#25

Chloroform

Concen: 0.288 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU039437.D

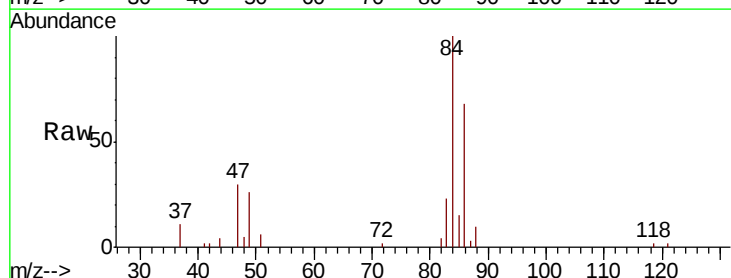
Acq: 10 Jul 2020 18:01

Tgt Ion: 83 Resp: 3426

Ion Ratio Lower Upper

83 100

85 63.9 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039424.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU039424.D (-1154) (-)

5.11

1500

1000

500

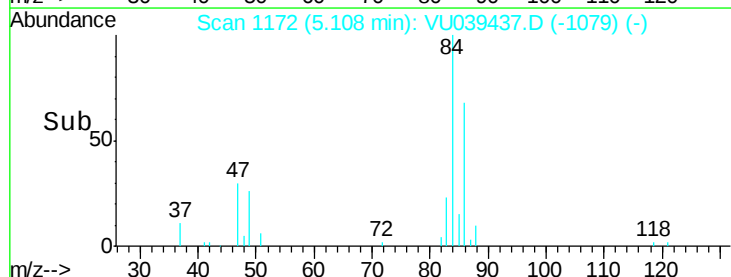
0

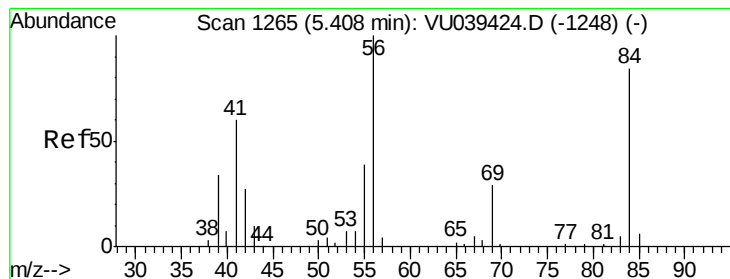
Time-->

5.05

5.10

5.15





#30

Cyclohexane

Concen: 0.133 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU039437.D

Acq: 10 Jul 2020 18:01

Instrument :

MSVOA_U

ClientSampleId :

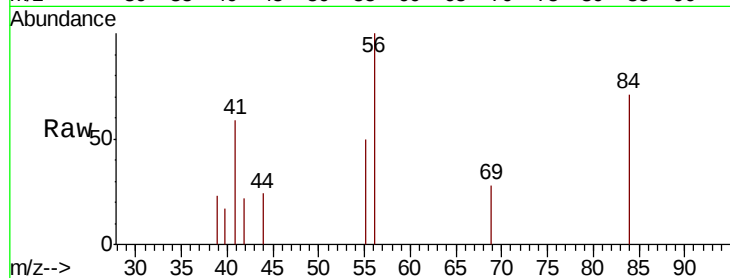
Tot Ion: 56 Resp: 1427

Ion Ratio Lower Upper

56 100

69 23.8 24.1 36.1#

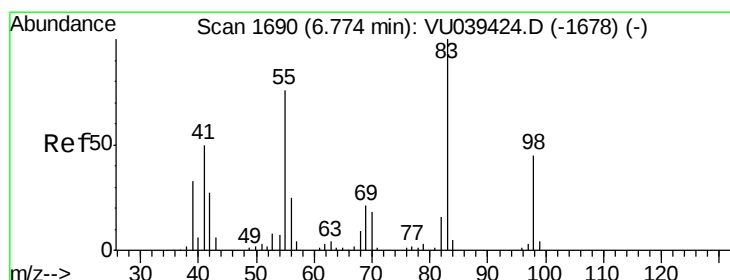
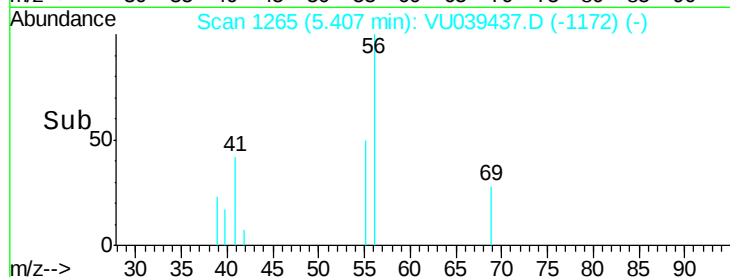
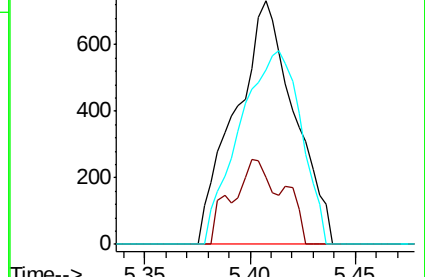
84 82.7 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU039424.D (-1248) (-)

Ion 69.15 (68.85 to 69.85): VU039424.D (-1248) (-)

Ion 84.15 (83.85 to 84.85): VU039424.D (-1248) (-)



#35

Methylcyclohexane

Concen: 0.792 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU039437.D

Acq: 10 Jul 2020 18:01

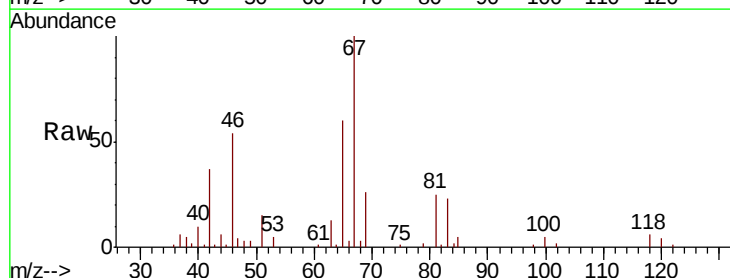
Tgt Ion: 83 Resp: 8504

Ion Ratio Lower Upper

83 100

55 0.2 62.1 93.1#

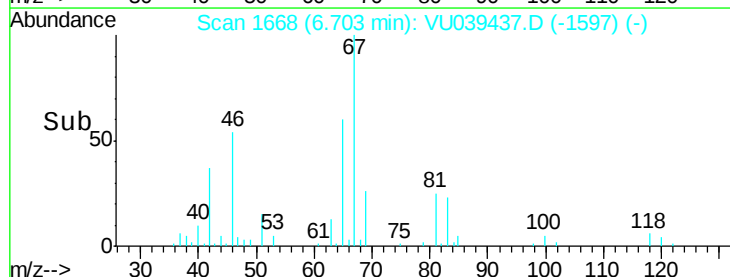
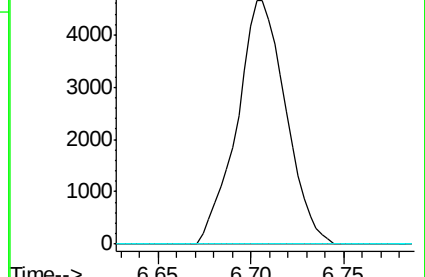
98 0.0 35.9 53.9#

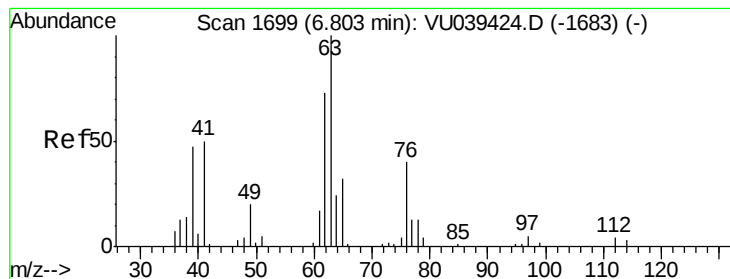


Abundance Ion 83.15 (82.85 to 83.85): VU039424.D (-1678) (-)

Ion 55.10 (54.80 to 55.80): VU039424.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU039424.D (-1678) (-)





#37

1,2-Dichloropropane

Concen: 0.658 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU039437.D

Acq: 10 Jul 2020 18:01

Instrument :

MSVOA_U

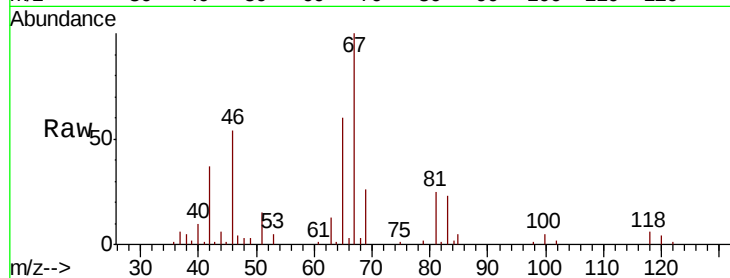
ClientSampled :

Tot Ion: 63 Resp: 4648

Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039424.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU039424.D (-1683) (-)

3000

2500

2000

1500

1000

500

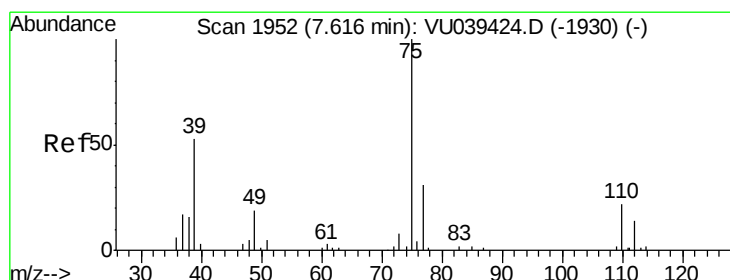
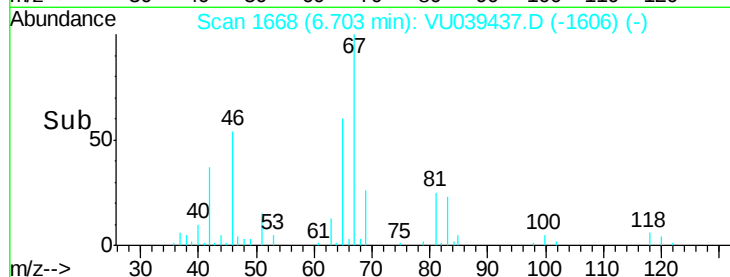
0

6.65

6.70

6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.05 min

Lab File: VU039437.D

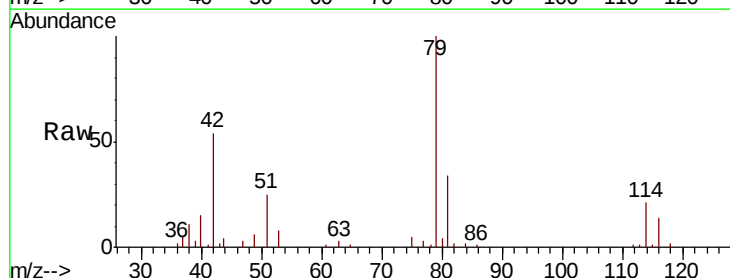
Acq: 10 Jul 2020 18:01

Tgt Ion: 75 Resp: 1147

Ion Ratio Lower Upper

75 100

77 50.9 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039424.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU039424.D (-1930) (-)

600

400

200

0

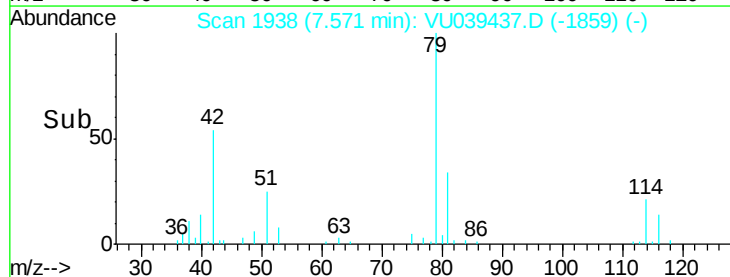
7.54

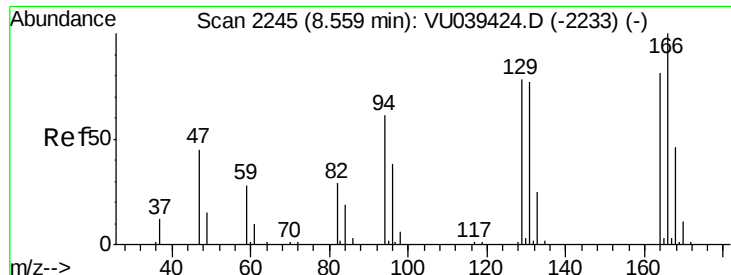
7.56

7.58

7.60

Time-->

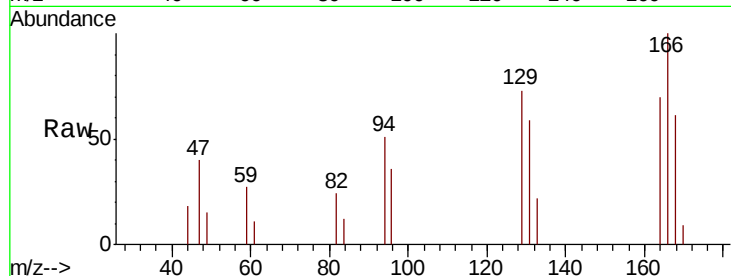




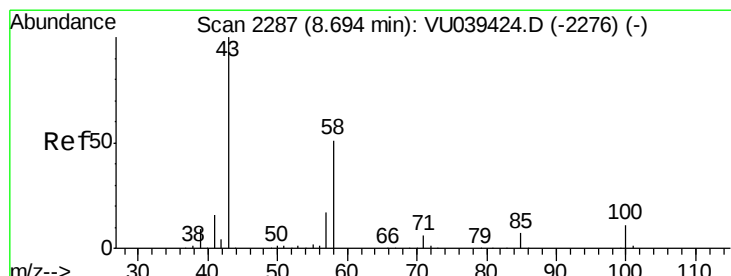
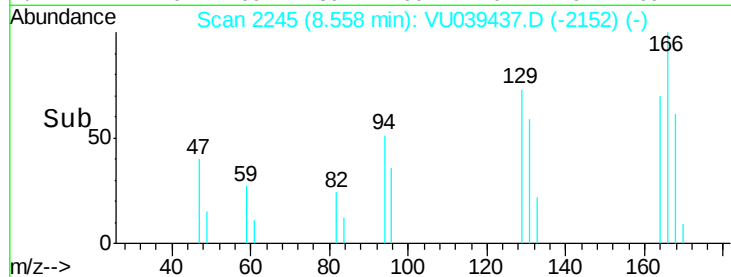
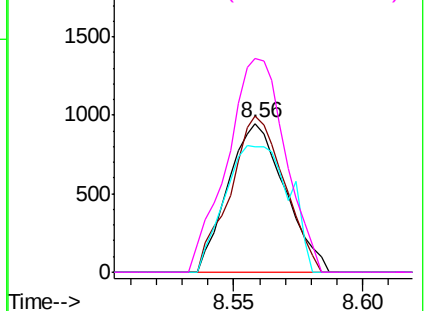
#47
Tetrachloroethene
Concen: 0.313 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039437.D
Acq: 10 Jul 2020 18:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 1460
Ion Ratio Lower Upper
164 100
129 105.3 68.6 127.4
131 84.6 66.4 123.4
166 143.7 85.9 159.5

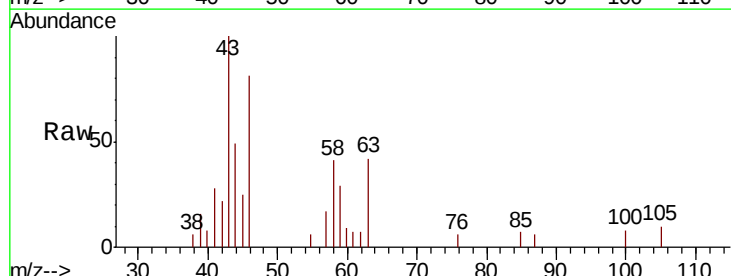


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

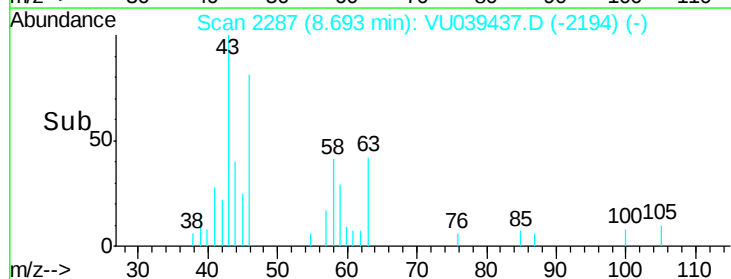
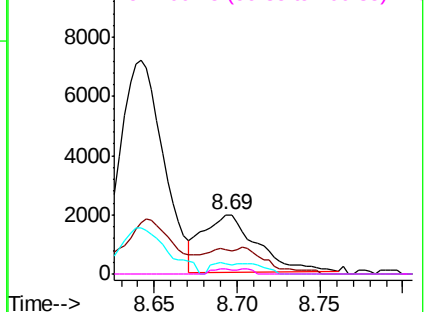


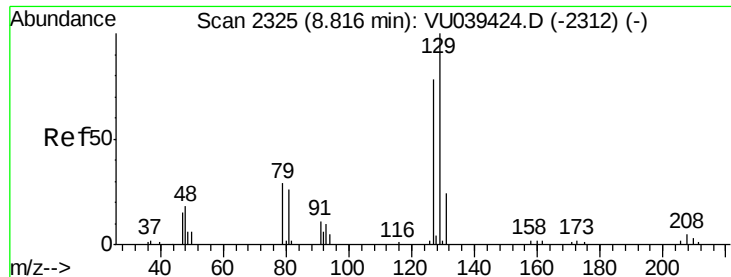
#48
2-Hexanone
Concen: 1.013 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039437.D
Acq: 10 Jul 2020 18:01

Tgt Ion: 43 Resp: 4405
Ion Ratio Lower Upper
43 100
58 4.1 42.0 63.0#
57 7.4 14.0 21.0#
100 3.2 8.2 12.2#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

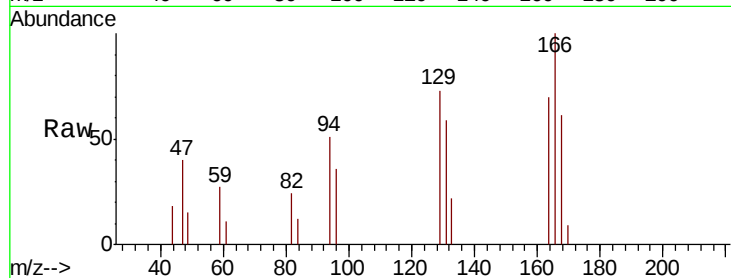




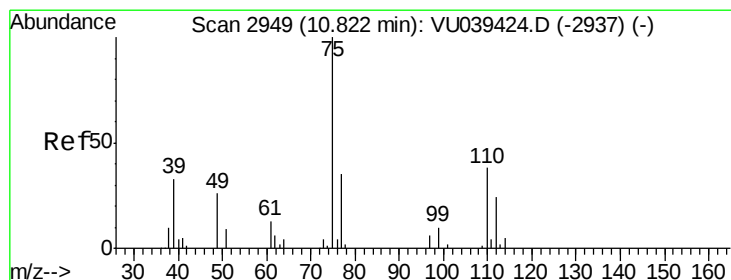
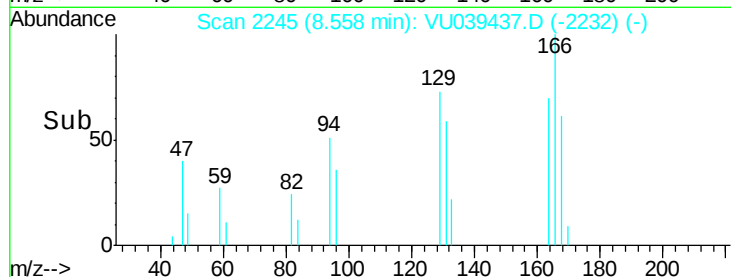
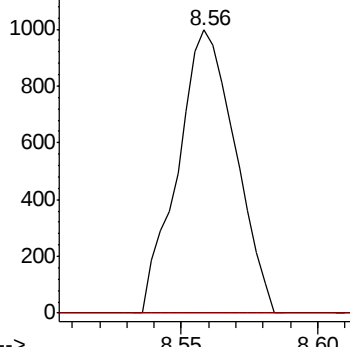
#49
 Dibromochloromethane
 Concen: 0.237 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.26 min
 Lab File: VU039437.D
 Acq: 10 Jul 2020 18:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 1459
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.4 102.8#

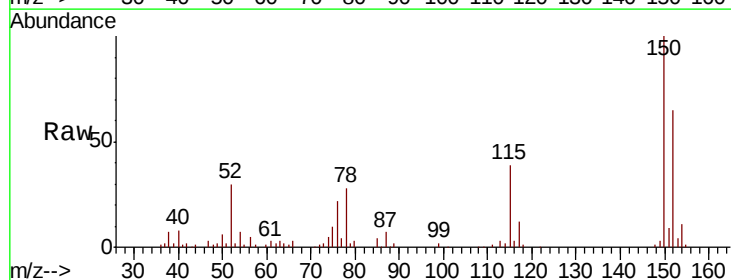


Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V



#59
 1,2,3-Trichloropropane
 Concen: 1.255 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU039437.D
 Acq: 10 Jul 2020 18:01

Tgt Ion: 75 Resp: 6539
 Ion Ratio Lower Upper
 75 100
 77 33.9 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

