

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070820\
 Data File : VU039372.D
 Acq On : 09 Jul 2020 01:58
 Operator : SY/MD
 Sample : L3243-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A82

Quant Time: Jul 09 05:53:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 05:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	97563	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	89341	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43902	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26573	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.93	69	31064	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.58	63	42030	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	4.66	46	159696	61.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.44%
24) Chloroform-d	5.09	84	66127	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.72	65	44782	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.60%
32) Benzene-d6	5.75	84	132480	6.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.20%
36) 1,2-Dichloropropane-d6	6.71	67	45167	5.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.60%
41) Toluene-d8	7.91	98	113956	6.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.20%
43) trans-1,3-Dichloropropene-	8.19	79	18659	5.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.80%
46) 2-Hexanone-d5	8.64	63	112634	56.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.80%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42450	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46014	5.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.40%

Target Compounds

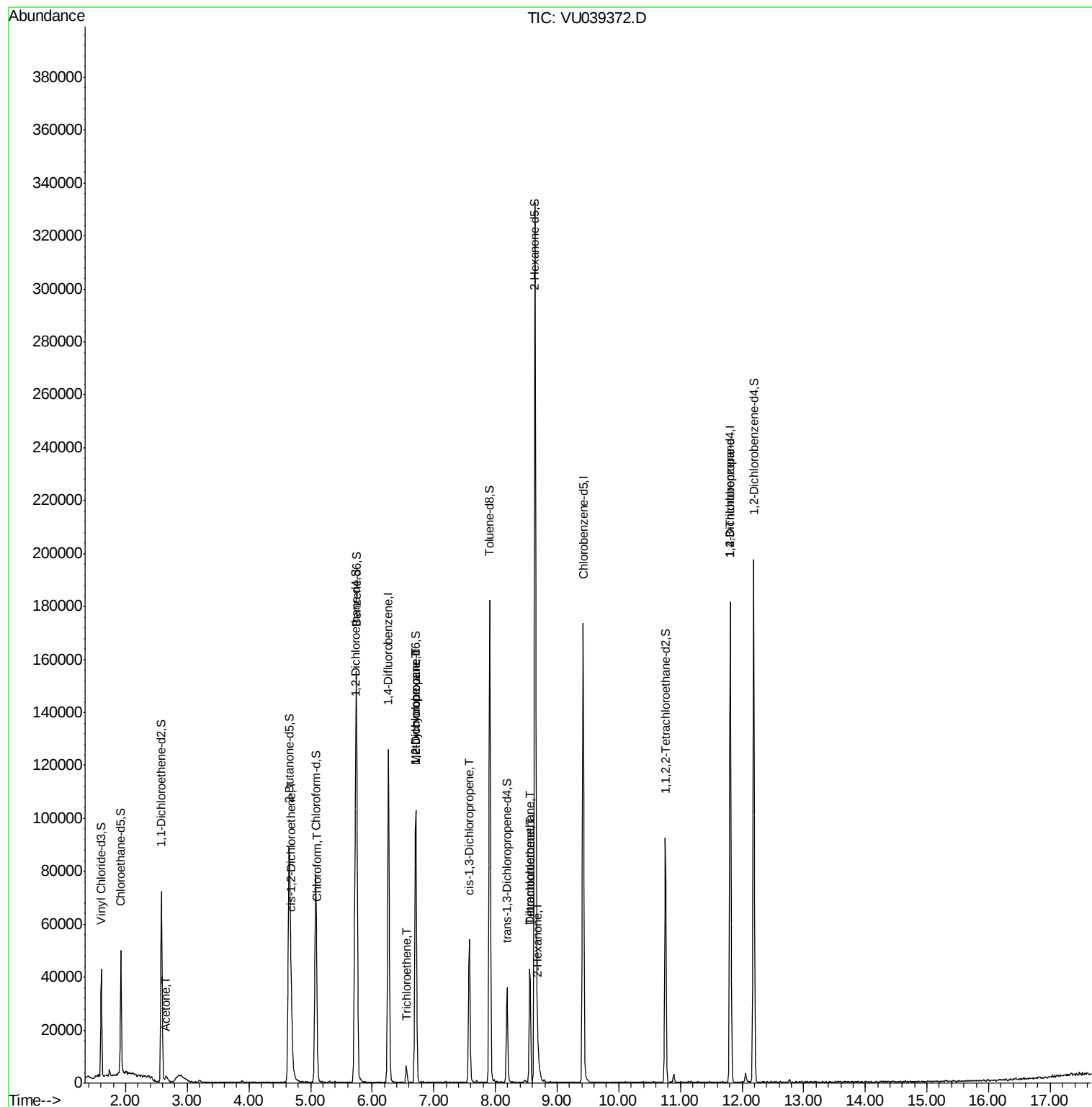
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	3356	2.403	ug/L	75
22) cis-1,2-Dichloroethene	4.69	96	4009	0.557	ug/L	97
25) Chloroform	5.11	83	2448	0.193	ug/L	92
34) Trichloroethene	6.56	95	1891	0.274	ug/L	96
35) Methylcyclohexane	6.70	83	10632	0.961	ug/L #	19
37) 1,2-Dichloropropane	6.71	63	5305	0.729	ug/L #	91
39) cis-1,3-Dichloropropene	7.57	75	1627	0.148	ug/L #	73
47) Tetrachloroethene	8.56	164	8476	1.765	ug/L	97
48) 2-Hexanone	8.69	43	5501	1.228	ug/L #	78
49) Dibromochloromethane	8.56	129	8124	1.282	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6379	1.189	ug/L #	87

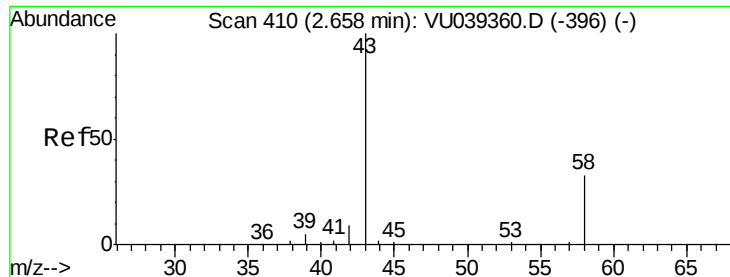
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.403 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU039372.D

Acq: 09 Jul 2020 01:58

Instrument :

MSVOA_U

ClientSampleId :

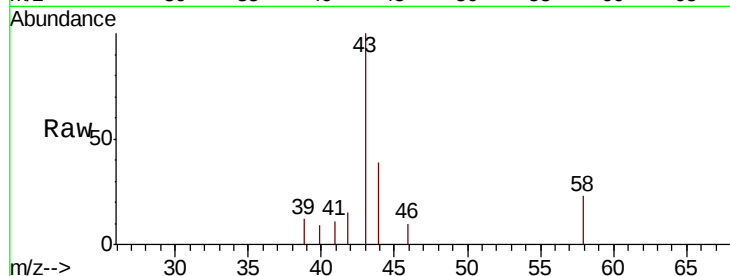
F4A82

Tot Ion: 43 Resp: 3356

Ion Ratio Lower Upper

43 100

58 17.5 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039372.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU039372.D (-317) (-)

2.66

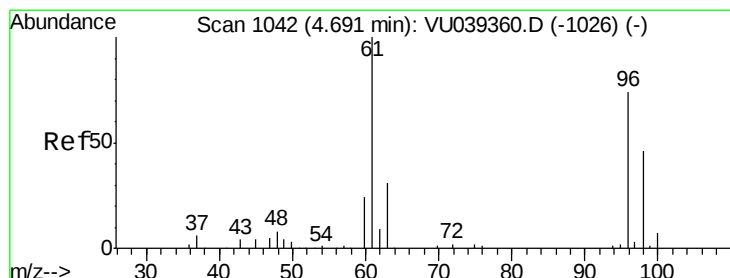
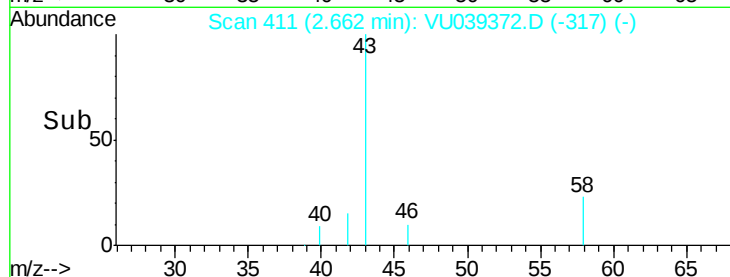
1000

500

0

Time-->

2.60 2.65 2.70 2.75



#22

cis-1,2-Dichloroethene

Concen: 0.557 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VU039372.D

Acq: 09 Jul 2020 01:58

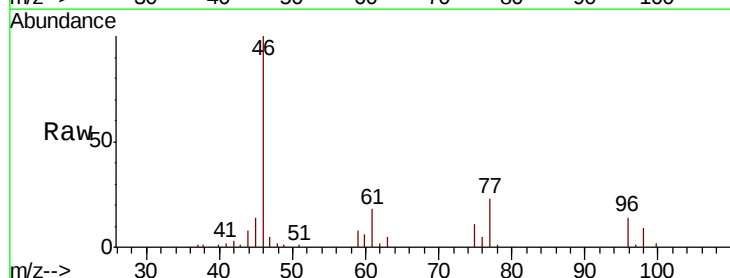
Tgt Ion: 96 Resp: 4009

Ion Ratio Lower Upper

96 100

61 128.6 92.8 172.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039372.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039372.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039372.D (-949) (-)

4.69

3000

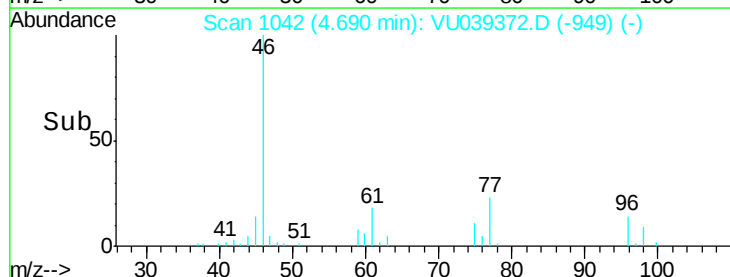
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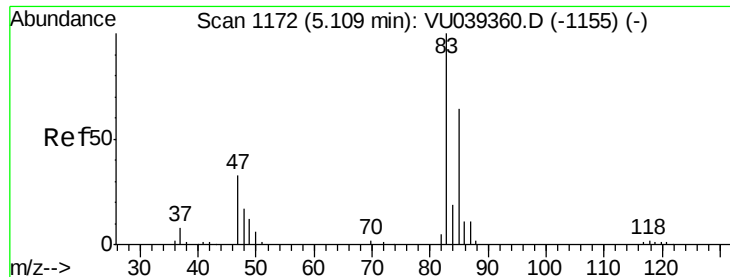
1000

0

Time-->

4.65 4.70 4.75

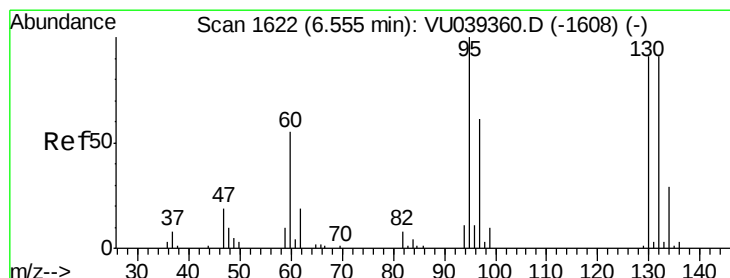
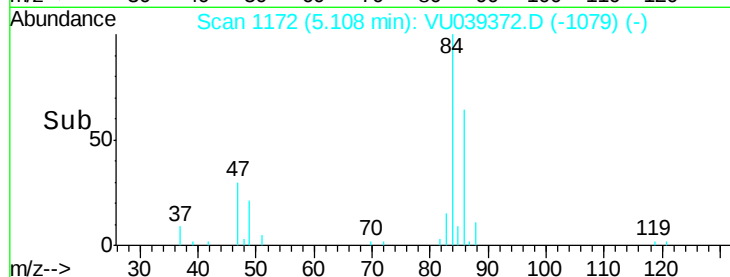
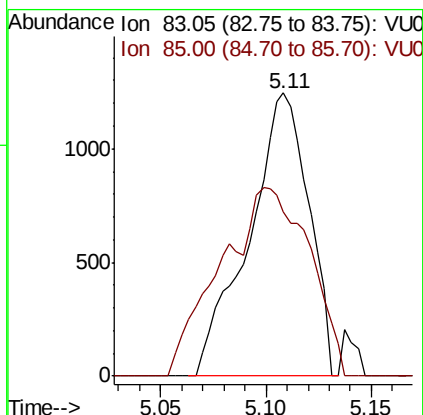
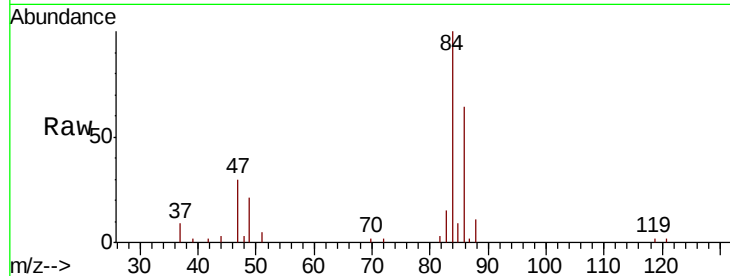




#25
Chloroform
Concen: 0.193 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039372.D
Acq: 09 Jul 2020 01:58

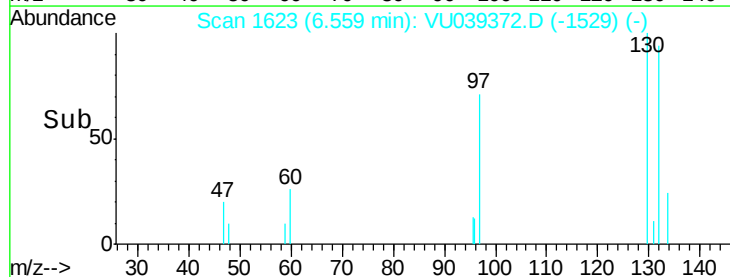
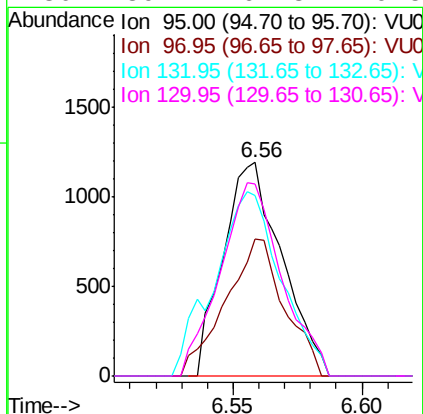
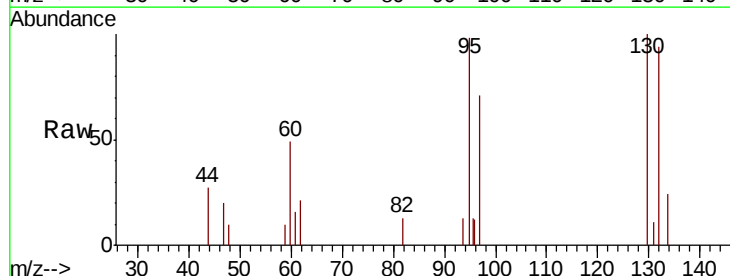
Instrument :
MSVOA_U
ClientSampleId :
F4A82

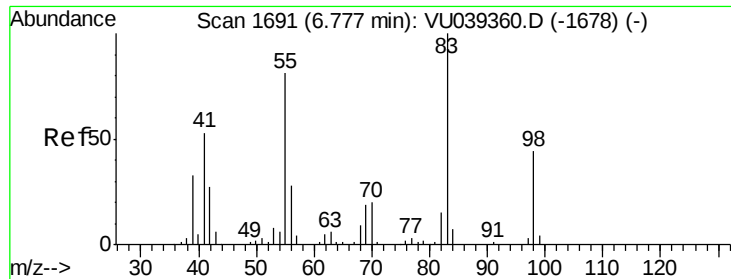
Tot Ion: 83 Resp: 2448
Ion Ratio Lower Upper
83 100
85 57.9 44.9 83.5



#34
Trichloroethene
Concen: 0.274 ug/L
RT: 6.56 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VU039372.D
Acq: 09 Jul 2020 01:58

Tgt Ion: 95 Resp: 1891
Ion Ratio Lower Upper
95 100
97 64.1 46.3 85.9
132 84.8 64.0 118.8
130 89.7 64.3 119.5

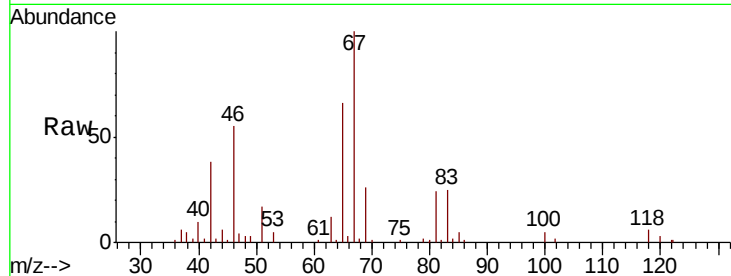




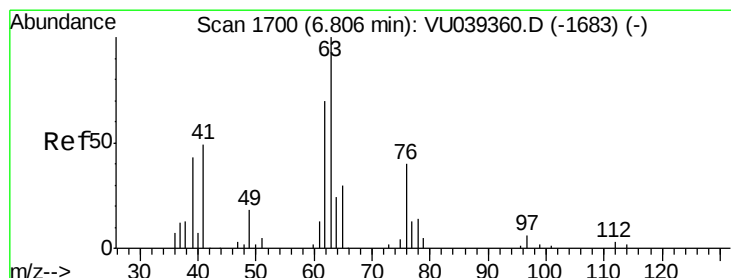
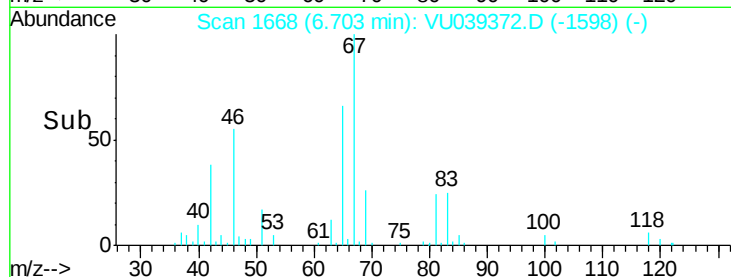
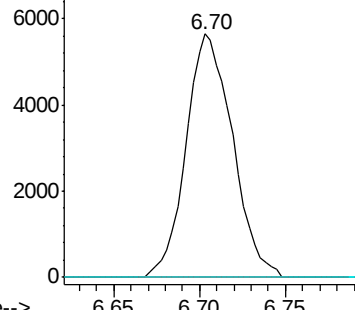
#35
Methylcyclohexane
Concen: 0.961 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039372.D
Acq: 09 Jul 2020 01:58

Instrument :
MSVOA_U
ClientSampleId :
F4A82

Tot Ion: 83 Resp: 10632
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.6 35.9 53.9#

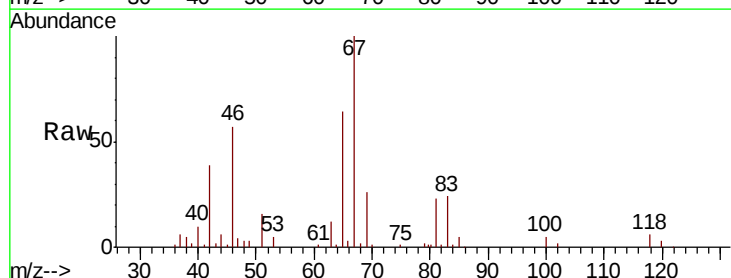


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

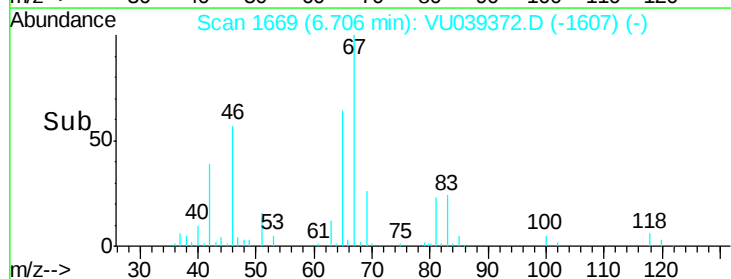
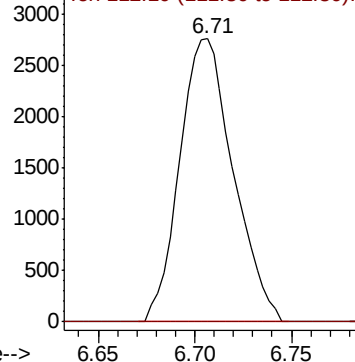


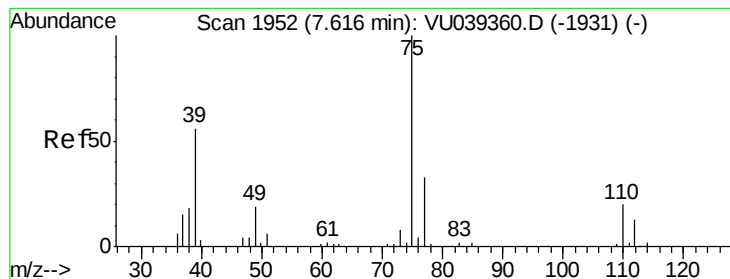
#37
1,2-Dichloropropane
Concen: 0.729 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039372.D
Acq: 09 Jul 2020 01:58

Tgt Ion: 63 Resp: 5305
Ion Ratio Lower Upper
63 100
112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.148 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039372.D

Acq: 09 Jul 2020 01:58

Instrument :

MSVOA_U

ClientSampleId :

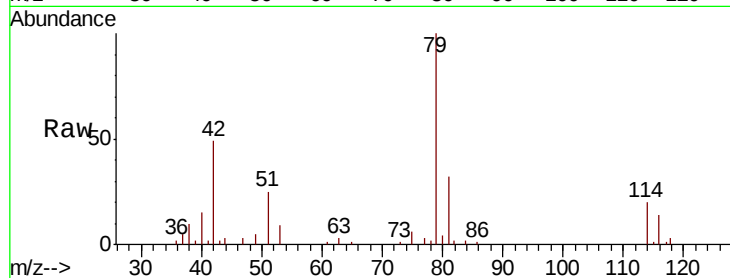
F4A82

Tot Ion: 75 Resp: 1627

Ion Ratio Lower Upper

75 100

77 47.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039372.D (-1859) (-)

Ion 77.05 (76.75 to 77.75): VU039372.D (-1859) (-)

7.57

800

600

400

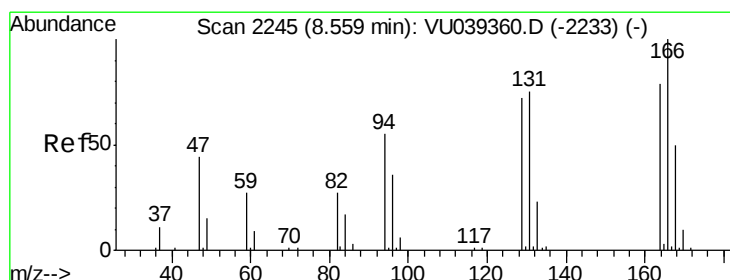
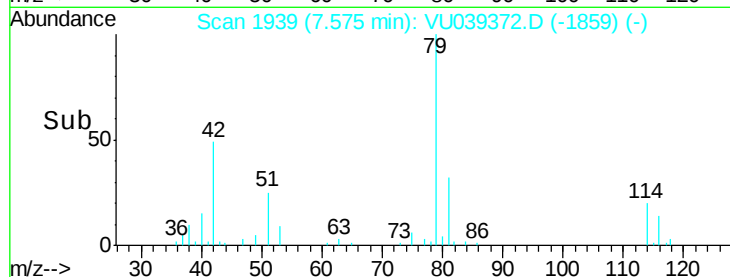
200

0

7.55

7.60

Time-->



#47

Tetrachloroethene

Concen: 1.765 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039372.D

Acq: 09 Jul 2020 01:58

Tgt Ion: 164 Resp: 8476

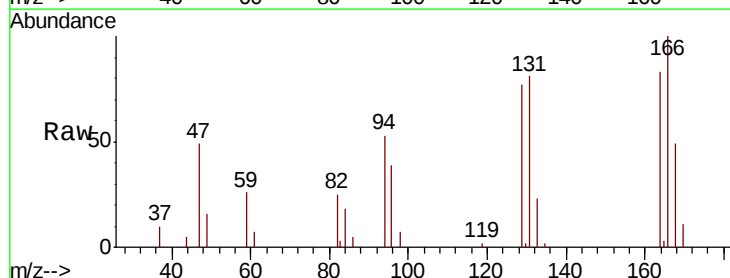
Ion Ratio Lower Upper

164 100

129 93.4 68.6 127.4

131 98.0 66.4 123.4

166 120.6 85.9 159.5



Abundance Ion 163.90 (163.60 to 164.60): VU039372.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU039372.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU039372.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU039372.D (-2152) (-)

8.56

6000

4000

2000

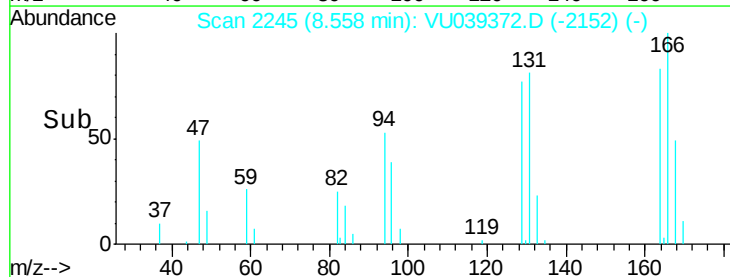
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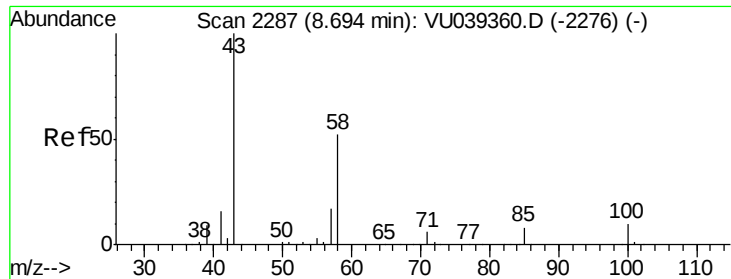
8.50

8.55

8.60

Time-->

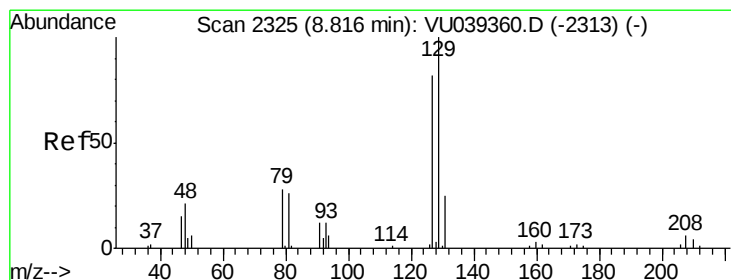
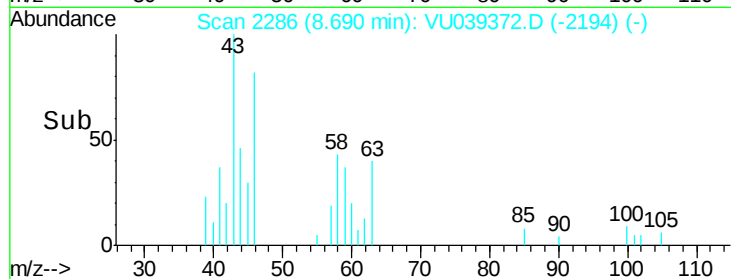
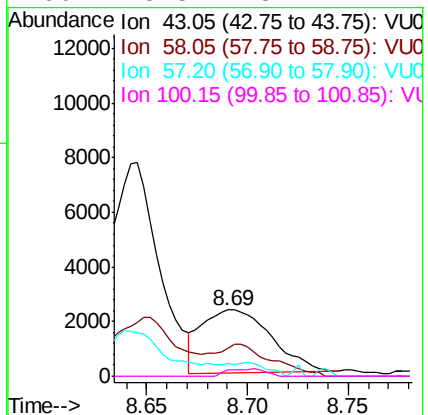
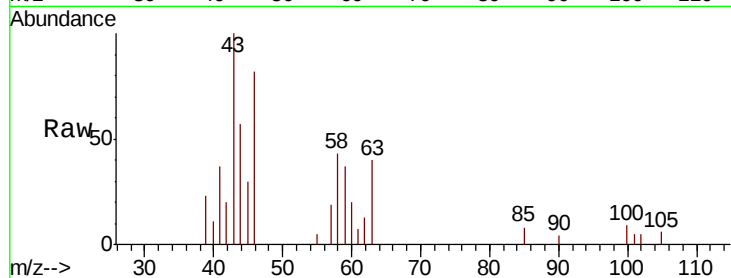




#48
2-Hexanone
Concen: 1.228 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039372.D
Acq: 09 Jul 2020 01:58

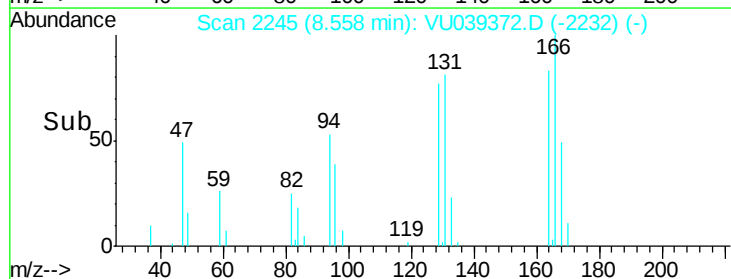
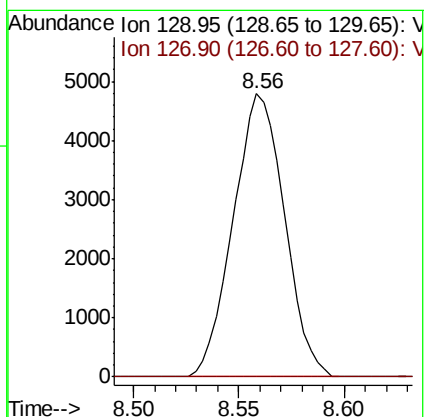
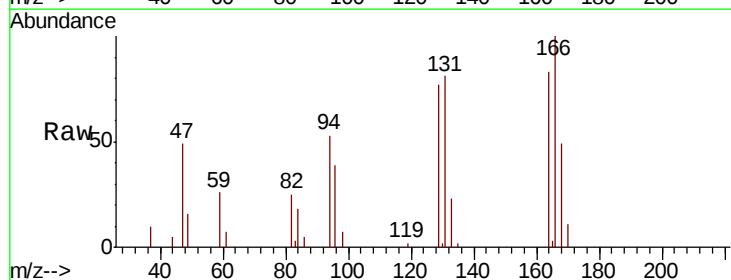
Instrument :
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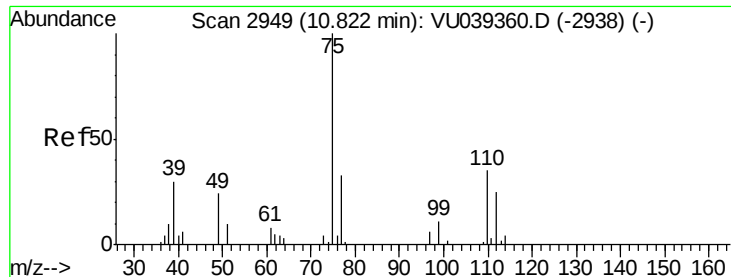
Tot Ion: 43 Resp: 5501
Ion Ratio Lower Upper
43 100
58 38.8 42.0 63.0#
57 2.0 14.0 21.0#
100 6.5 8.2 12.2#



#49
Dibromochloromethane
Concen: 1.282 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU039372.D
Acq: 09 Jul 2020 01:58

Tgt Ion: 129 Resp: 8124
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#





#59

1,2,3-Trichloropropane

Concen: 1.189 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039372.D

Acq: 09 Jul 2020 01:58

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MSVOA_U

ClientSampleId :

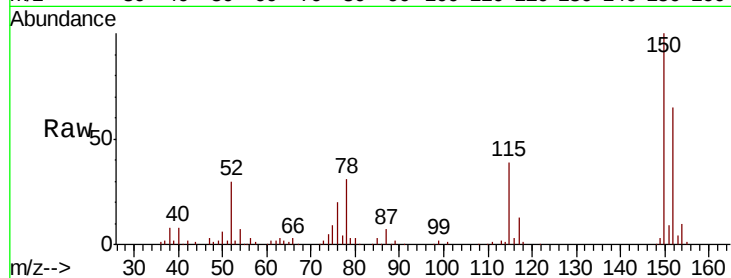
F4A82

Tot Ion: 75 Resp: 6379

Ion Ratio Lower Upper

75 100

77 40.6 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

4000

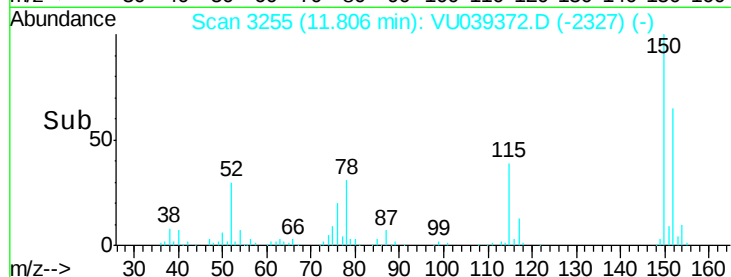
3000

2000

1000

0

11.75 11.80 11.85



Time-->