

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039064.D
 Acq On : 24 Jun 2020 15:41
 Operator : SY/MD
 Sample : L3109-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F04

Quant Time: Jun 25 01:04:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	260919	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	275382	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	114065	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107062	5.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.00%
7) Chloroethane-d5	1.93	69	93398	5.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.40%
11) 1,1-Dichloroethene-d2	2.59	63	162215	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.68	46	339117	49.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.36%
24) Chloroform-d	5.10	84	204923	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.74	65	126994	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.76	84	401745	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.72	67	135037	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.92	98	320930	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.20	79	55411	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.65	63	347265	60.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125598	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	122785	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

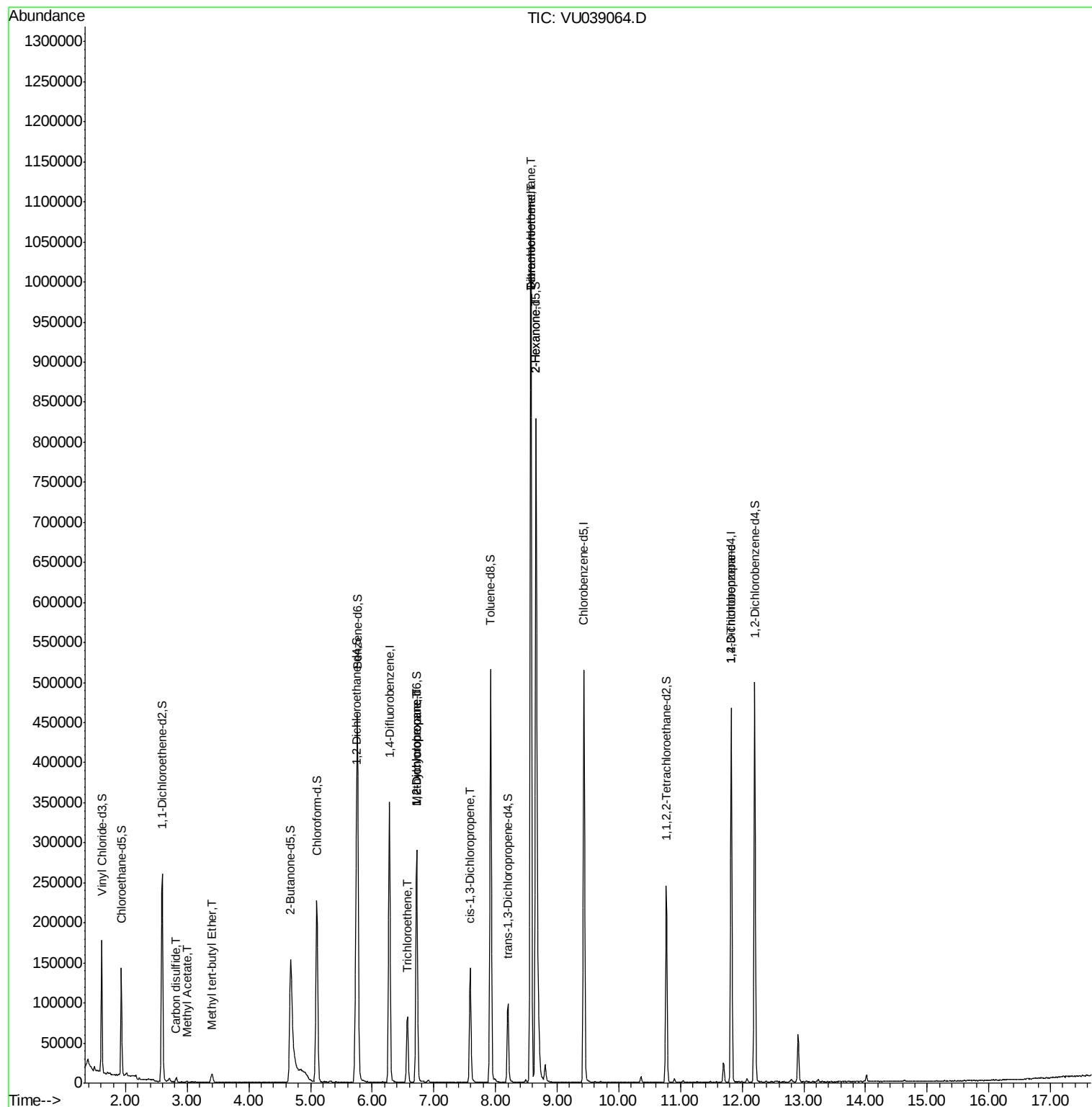
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.82	76	7111	0.118	ug/L	99
15) Methyl Acetate	3.00	43	2109	0.190	ug/L #	67
17) Methyl tert-butyl Ether	3.40	73	10548	0.205	ug/L #	91
34) Trichloroethene	6.57	95	26451	1.264	ug/L	96
35) Methylcyclohexane	6.72	83	30473	0.981	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	14984	0.639	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3792	0.117	ug/L #	46
47) Tetrachloroethene	8.57	164	228517	15.150	ug/L	98
48) 2-Hexanone	8.65	43	44871	3.498	ug/L #	68
49) Dibromochloromethane	8.57	129	224872	11.870	ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	15838	0.896	ug/L #	87

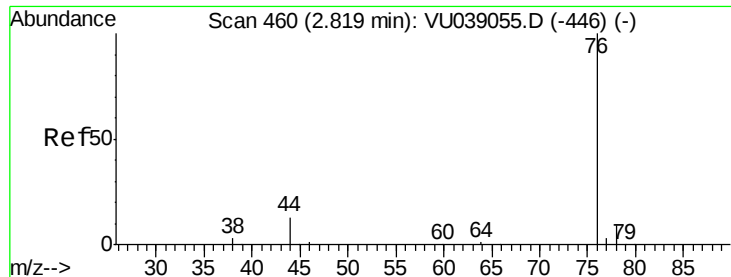
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Carbon disulfide

Concen: 0.118 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039064.D

Acq: 24 Jun 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

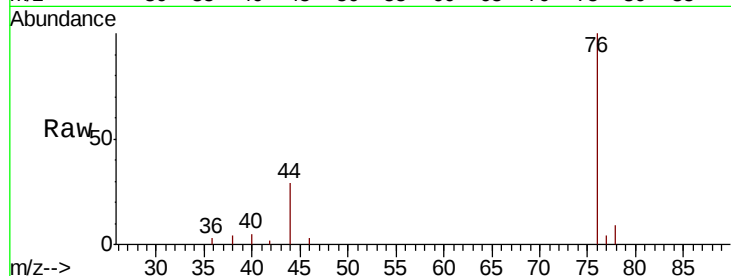
F9F04

Tot Ion: 76 Resp: 7111

Ion Ratio Lower Upper

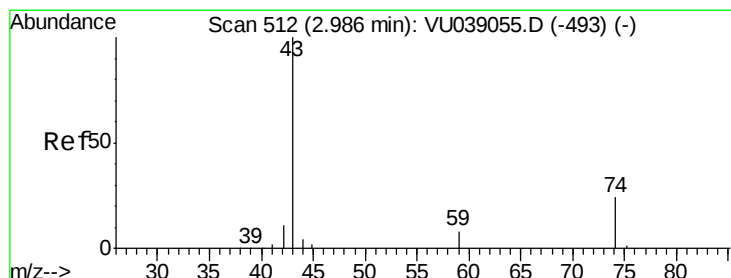
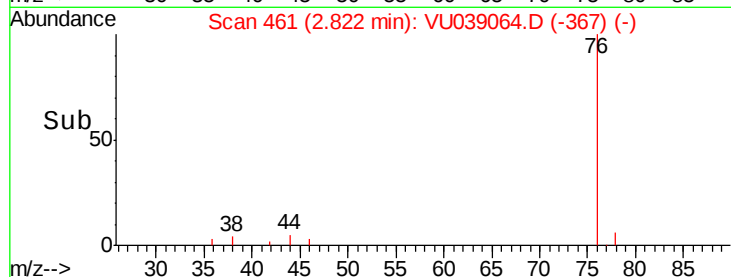
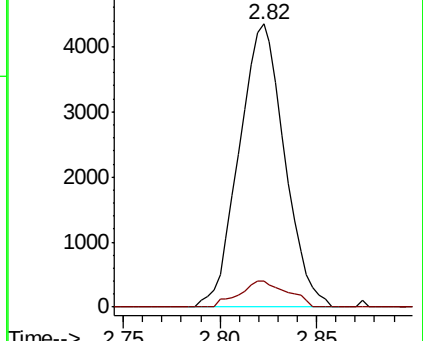
76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039055.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039055.D (-446) (-)



#15

Methyl Acetate

Concen: 0.190 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU039064.D

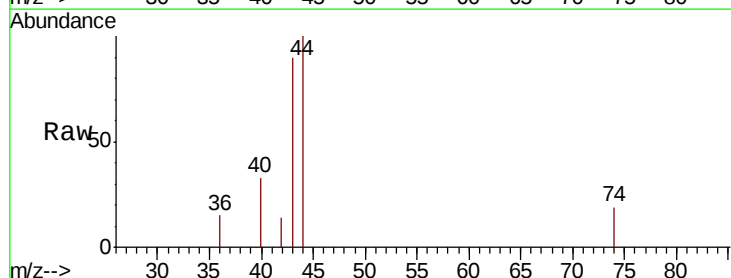
Acq: 24 Jun 2020 15:41

Tgt Ion: 43 Resp: 2109

Ion Ratio Lower Upper

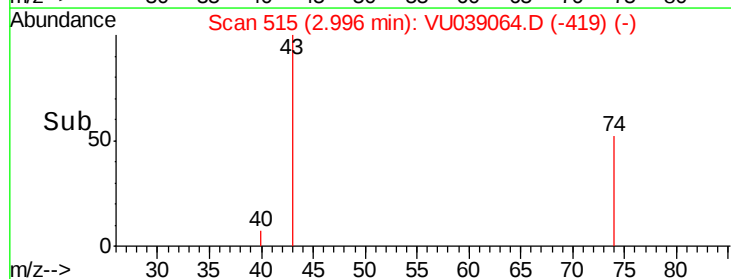
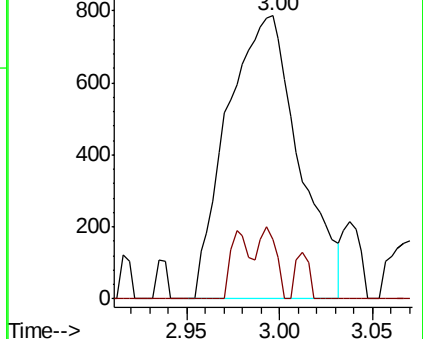
43 100

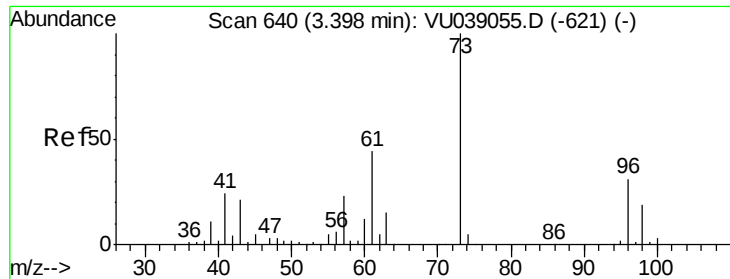
74 5.9 17.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU039055.D (-493) (-)

Ion 74.05 (73.75 to 74.75): VU039055.D (-493) (-)

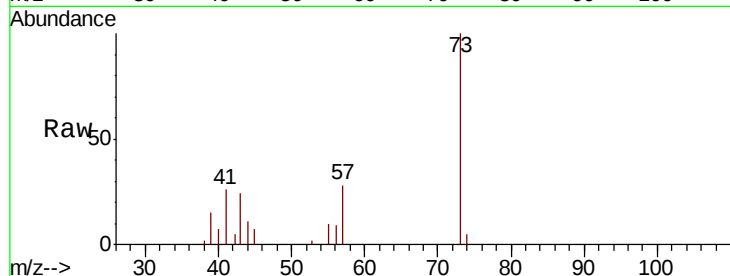




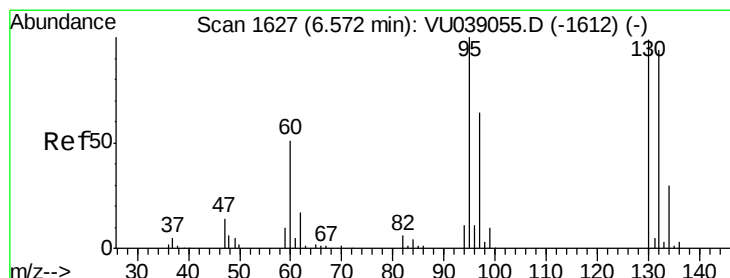
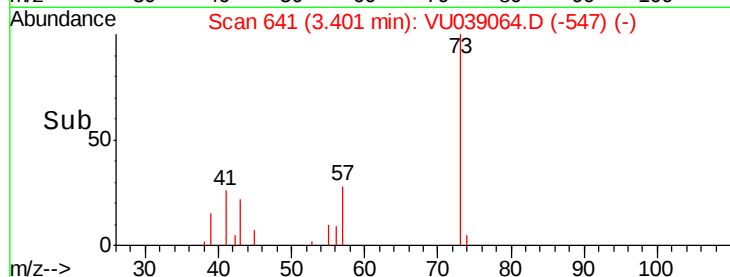
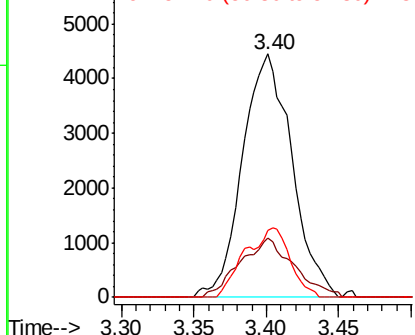
#17
Methvl tert-butvl Ether
Concen: 0.205 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU039064.D
Acq: 24 Jun 2020 15:41

Instrument :
MSVOA_U
ClientSampleId :
F9F04

Tot Ion: 73 Resp: 10548
Ion Ratio Lower Upper
73 100
43 26.5 16.6 24.8#
57 25.9 18.2 27.4

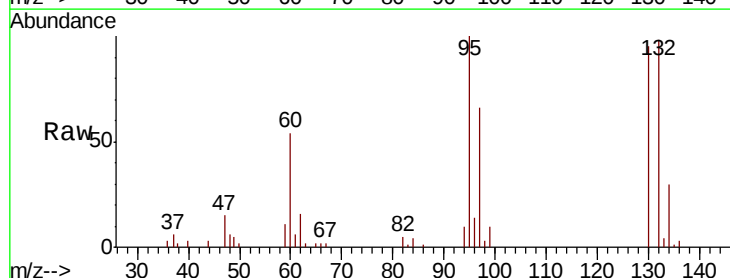


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

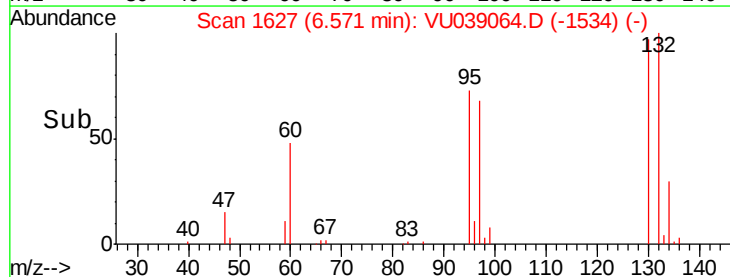
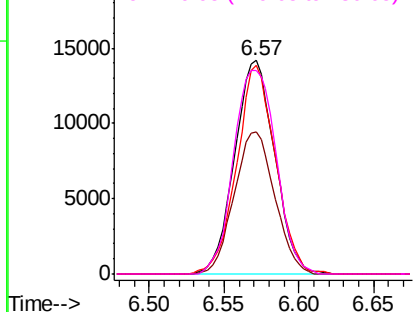


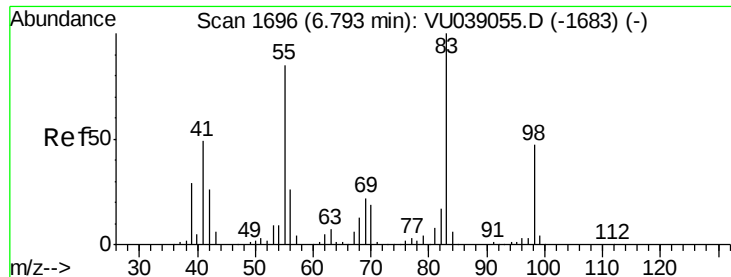
#34
Trichloroethene
Concen: 1.264 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU039064.D
Acq: 24 Jun 2020 15:41

Tgt Ion: 95 Resp: 26451
Ion Ratio Lower Upper
95 100
97 66.5 45.1 83.7
132 97.8 65.1 120.9
130 95.3 68.6 127.4



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.981 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU039064.D

Acq: 24 Jun 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

F9F04

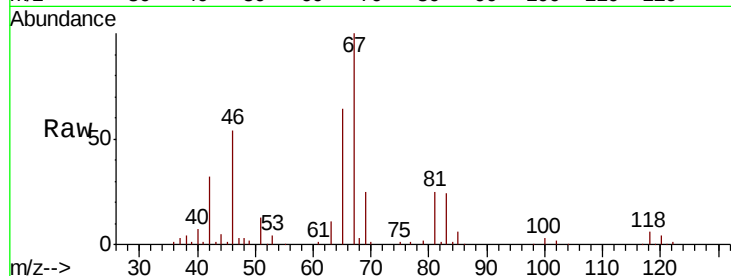
Tot Ion: 83 Resp: 30473

Ion Ratio Lower Upper

83 100

55 0.5 65.5 98.3#

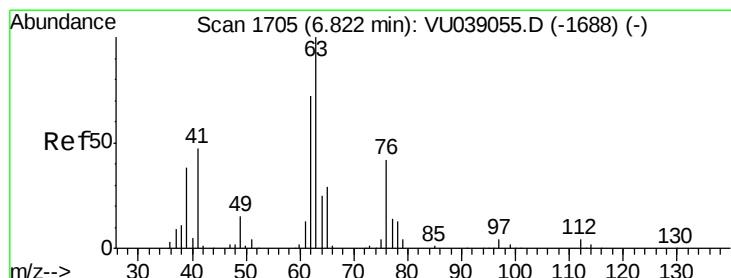
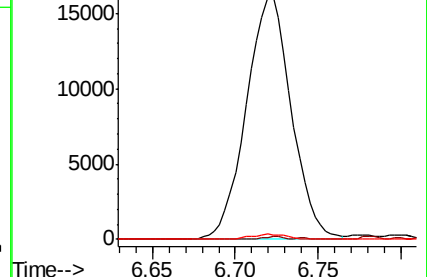
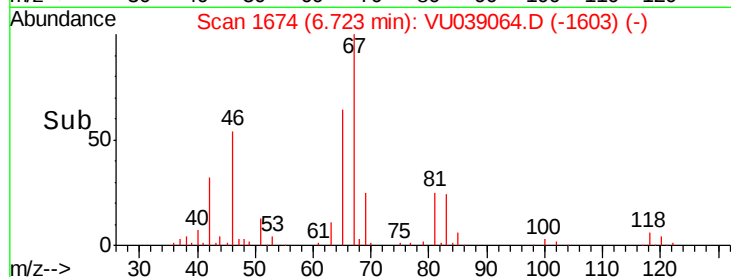
98 1.6 36.5 54.7#



Abundance Ion 83.15 (82.85 to 83.85): VU039064.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU039064.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU039064.D (-1603) (-)



#37

1,2-Dichloropropane

Concen: 0.639 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU039064.D

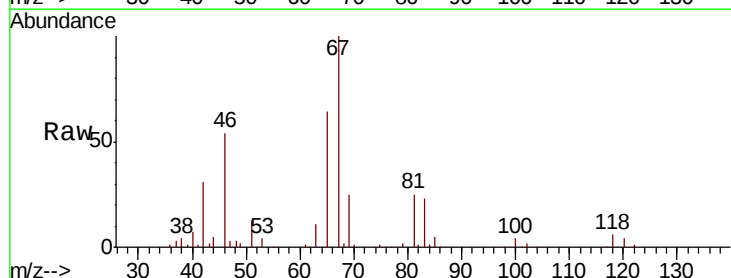
Acq: 24 Jun 2020 15:41

Tgt Ion: 63 Resp: 14984

Ion Ratio Lower Upper

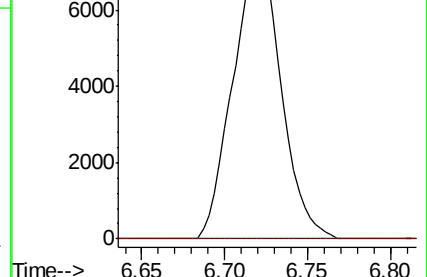
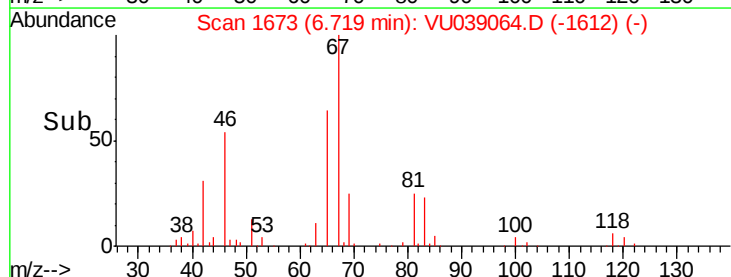
63 100

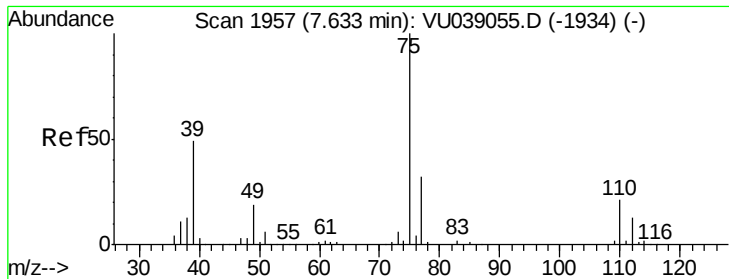
112 0.2 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU039064.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU039064.D (-1612) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU039064.D

Acq: 24 Jun 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

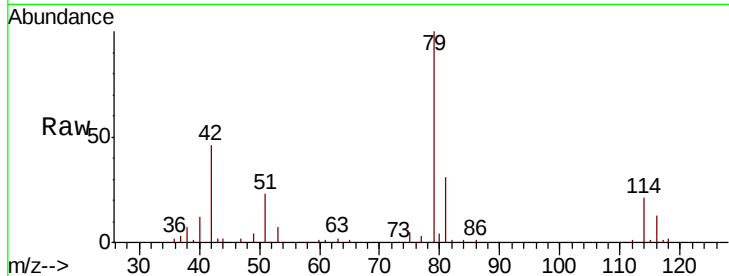
F9F04

Tot Ion: 75 Resp: 3792

Ion Ratio Lower Upper

75 100

77 60.5 21.6 40.0#



Abundance Ion 75.05 (74.75 to 75.75): VU039055.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU039055.D (-1934) (-)

7.59

2500

2000

1500

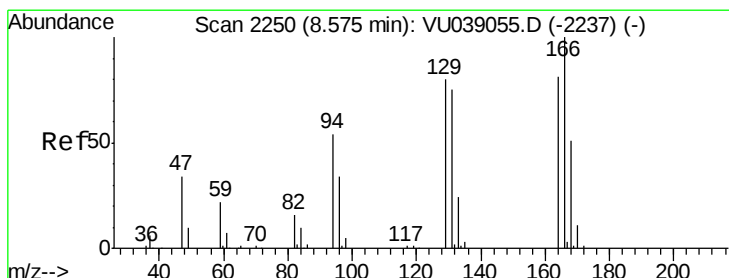
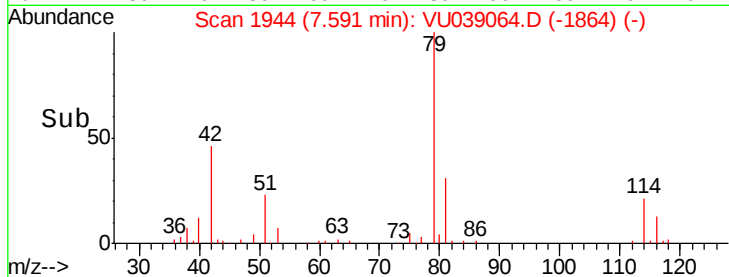
1000

500

0

7.55 7.60 7.65

Time-->



#47

Tetrachloroethene

Concen: 15.150 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU039064.D

Acq: 24 Jun 2020 15:41

Tgt Ion:164 Resp: 228517

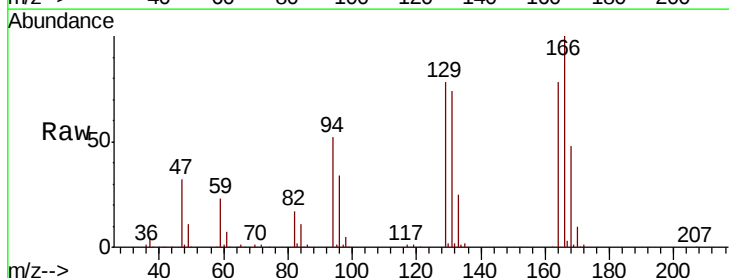
Ion Ratio Lower Upper

164 100

129 100.0 71.3 132.5

131 94.3 68.3 126.8

166 127.5 90.8 168.6



Abundance Ion 163.90 (163.60 to 164.60): VU039055.D (-2237) (-)

Ion 128.95 (128.65 to 129.65): VU039055.D (-2237) (-)

Ion 130.95 (130.65 to 131.65): VU039055.D (-2237) (-)

Ion 165.90 (165.60 to 166.60): VU039055.D (-2237) (-)

250000

200000

150000

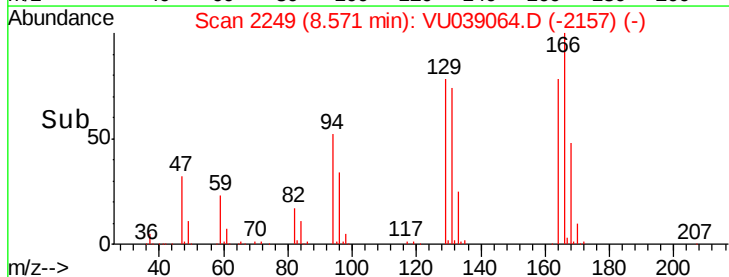
100000

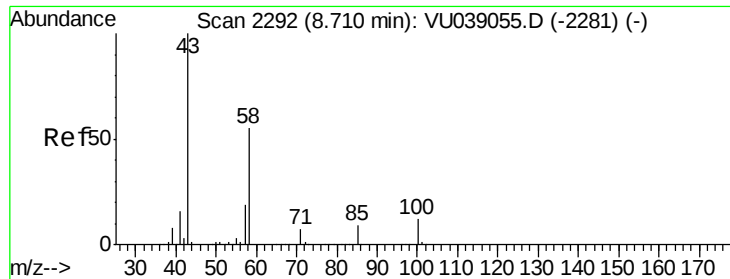
50000

0

8.50 8.55 8.60 8.65

Time-->

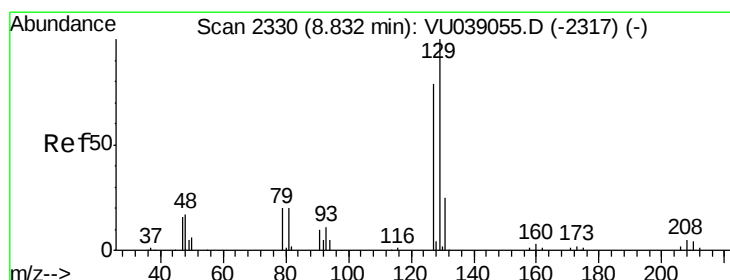
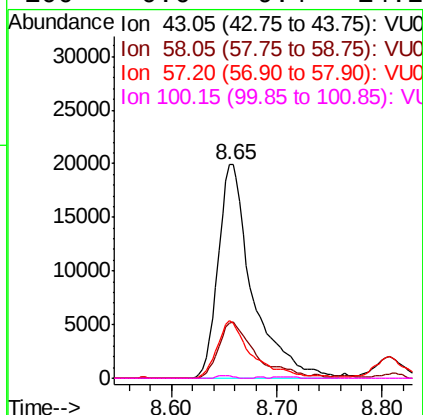
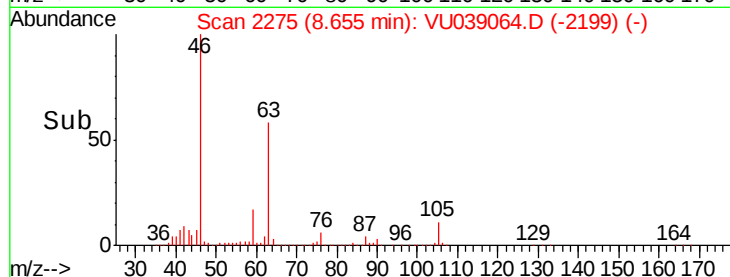
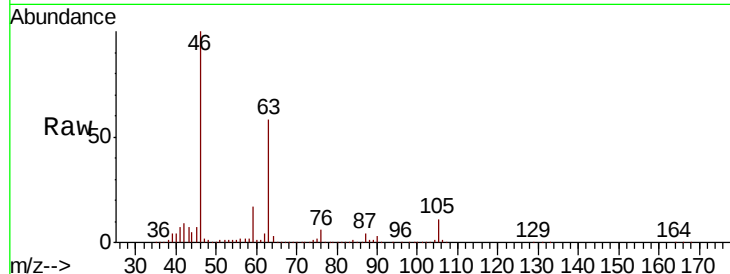




#48
2-Hexanone
Concen: 3.498 ug/L
RT: 8.65 min Scan# 2275
Delta R.T. -0.05 min
Lab File: VU039064.D
Acq: 24 Jun 2020 15:41

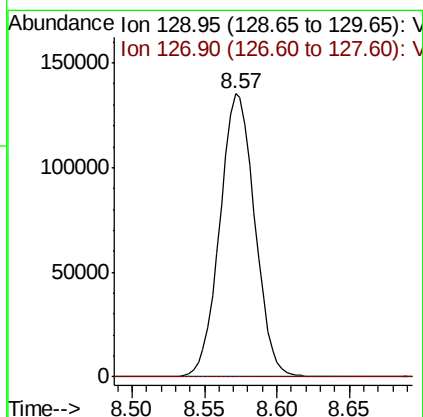
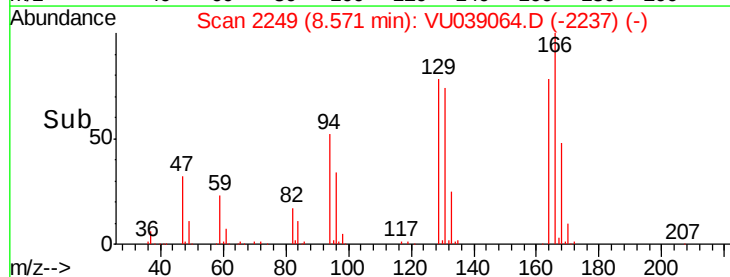
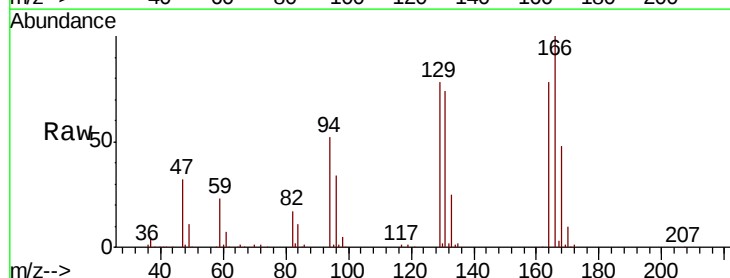
Instrument :
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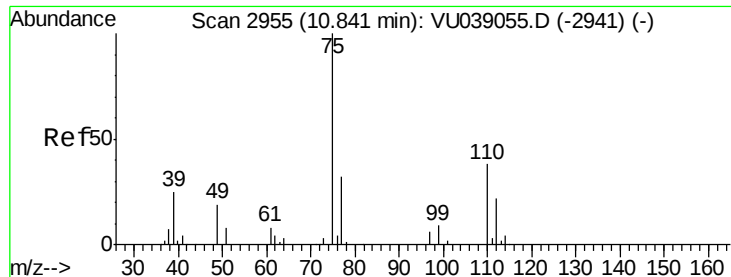
Tot Ion: 43 Resp: 44871
Ion Ratio Lower Upper
43 100
58 28.2 44.0 66.0#
57 26.9 15.0 22.6#
100 0.6 9.4 14.2#



#49
Dibromochloromethane
Concen: 11.870 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU039064.D
Acq: 24 Jun 2020 15:41

Tgt Ion: 129 Resp: 224872
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#





#59

1,2,3-Trichloropropane

Concen: 0.896 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU039064.D

Acq: 24 Jun 2020 15:41

Instrument :

MSVOA_U

ClientSampleId :

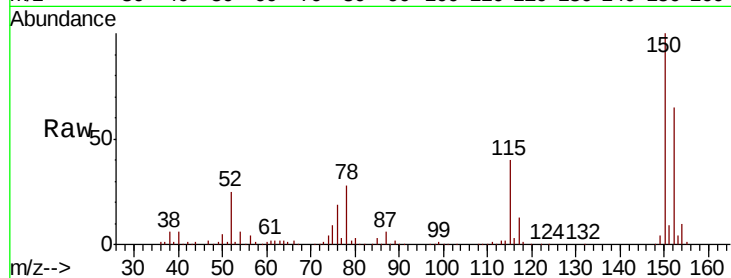
F9F04

Tot Ion: 75 Resp: 15838

Ion Ratio Lower Upper

75 100

77 39.9 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

