

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040665.D
 Acq On : 12 Oct 2020 17:43
 Operator : SY/MD
 Sample : L4345-15MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY6MS

Quant Time: Oct 13 04:43:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 04:32:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	130782	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130054	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56973	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41817	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.92	69	36050	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.58	63	91988	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	4.66	46	170600	49.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.40%
24) Chloroform-d	5.08	84	85800	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.72	65	51799	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.75	84	155677	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.70	67	53610	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.91	98	126034	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.19	79	22799	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.64	63	122778	48.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46689	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51942	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	675	0.062	ug/L # 20
12) 1,1-Dichloroethene	2.59	96	45243	4.848	ug/L 98
13) Acetone	2.67	43	76723	28.542	ug/L 97
15) Methyl Acetate	2.97	43	2122	0.346	ug/L # 56
25) Chloroform	5.11	83	5065	0.246	ug/L 98
27) 1,2-Dichloroethane	5.79	62	2042	0.140	ug/L # 77
33) Benzene	5.79	78	204512	4.895	ug/L 100
34) Trichloroethene	6.56	95	151493	13.988	ug/L 97
35) Methylcyclohexane	6.71	83	13223	0.861	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	6664	0.572	ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1580	0.099	ug/L # 44
42) Toluene	7.98	91	204045	4.792	ug/L 98
44) trans-1,3-Dichloropropene	8.19	75	1030	0.070	ug/L # 59
47) Tetrachloroethene	8.56	164	14320	1.853	ug/L 93
49) Dibromochloromethane	8.56	129	13942	1.390	ug/L # 9
51) Chlorobenzene	9.45	112	138604	4.942	ug/L 98
59) 1,2,3-Trichloropropane	11.81	75	7591	0.888	ug/L 96

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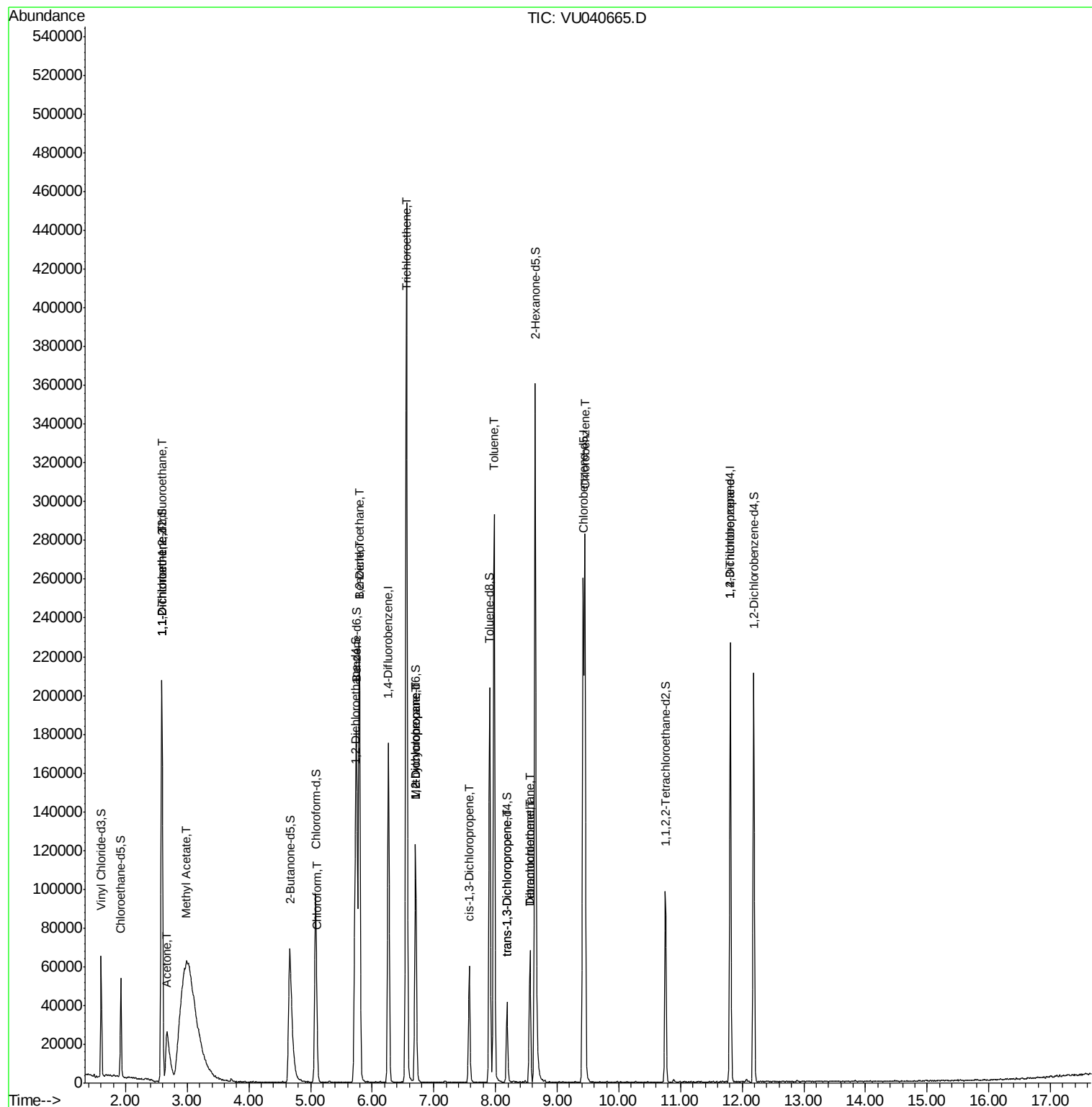
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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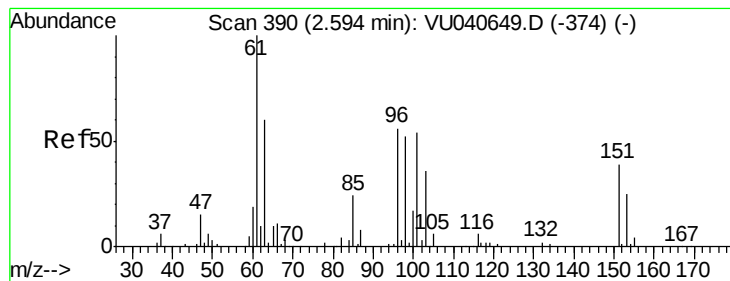
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.062 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

YAQY6MS

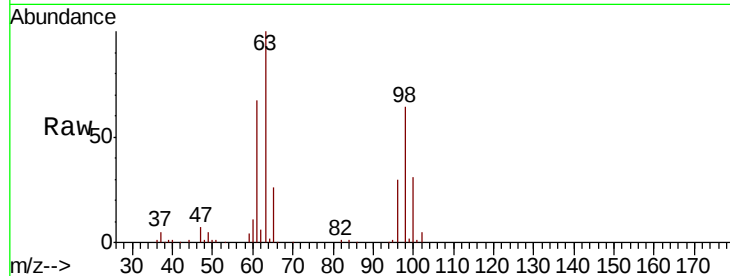
Tot Ion:101 Resp: 675

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

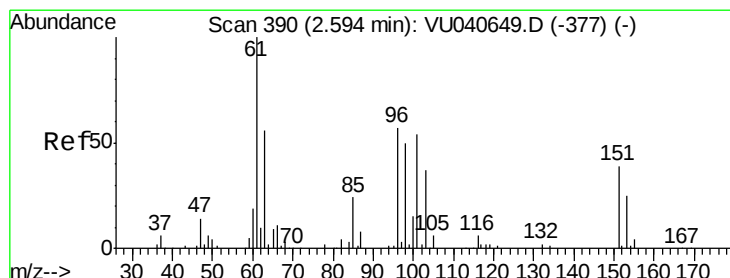
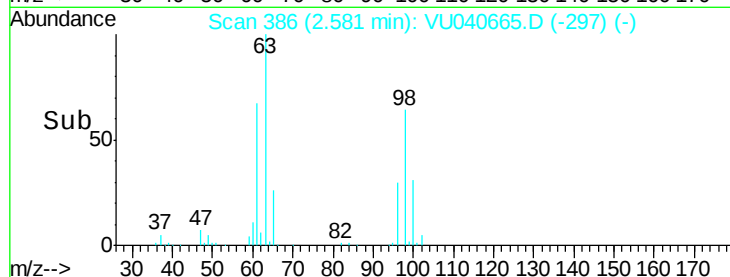
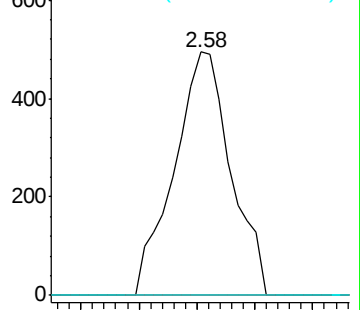
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.848 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

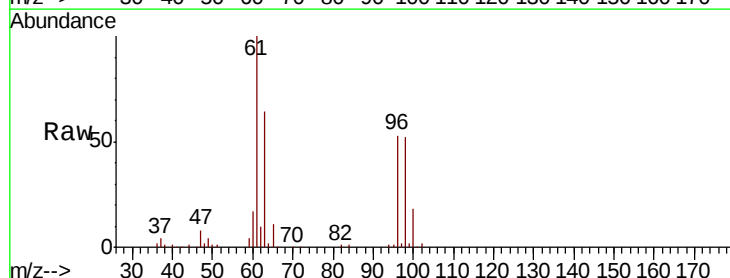
Tgt Ion: 96 Resp: 45243

Ion Ratio Lower Upper

96 100

61 187.2 128.8 239.2

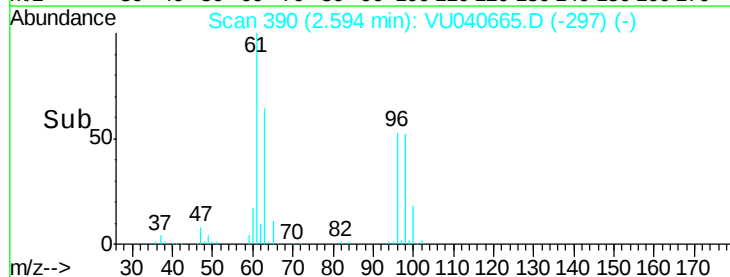
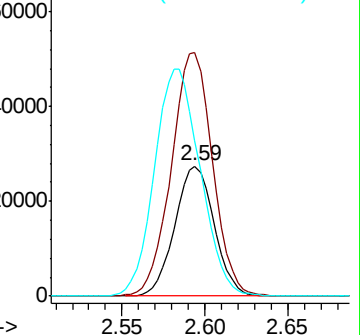
63 119.6 84.6 157.2

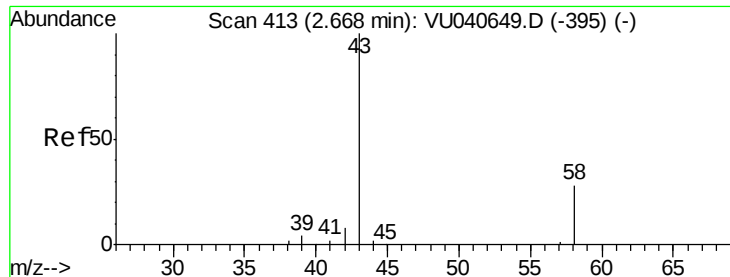


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 28.542 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

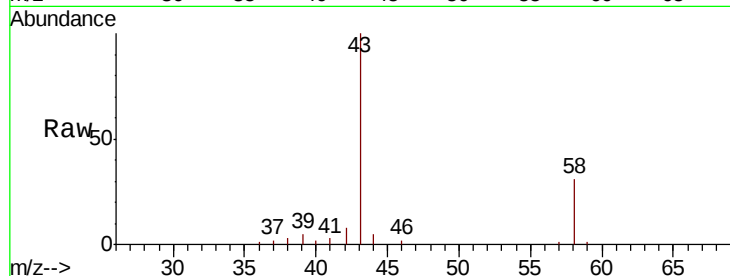
YQY6MS

Tot Ion: 43 Resp: 76723

Ion Ratio Lower Upper

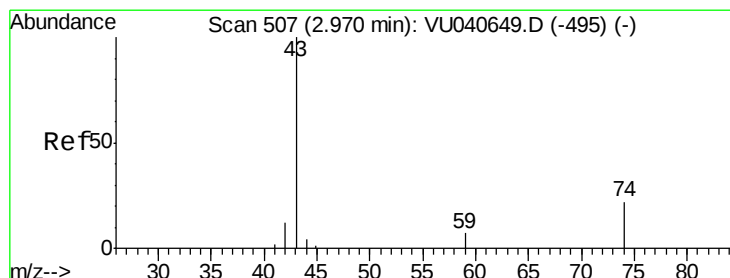
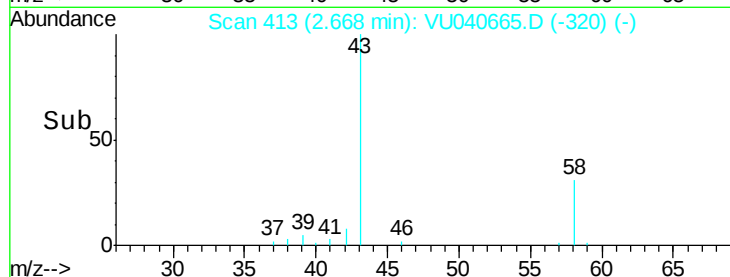
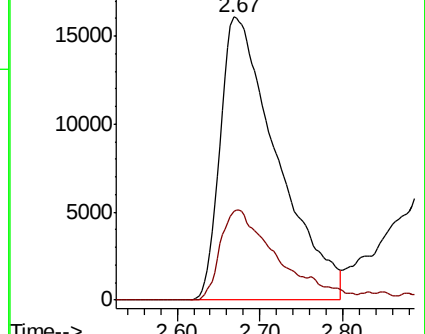
43 100

58 28.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.346 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040665.D

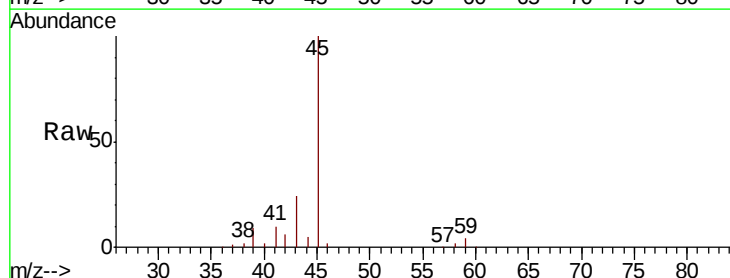
Acq: 12 Oct 2020 17:43

Tgt Ion: 43 Resp: 2122

Ion Ratio Lower Upper

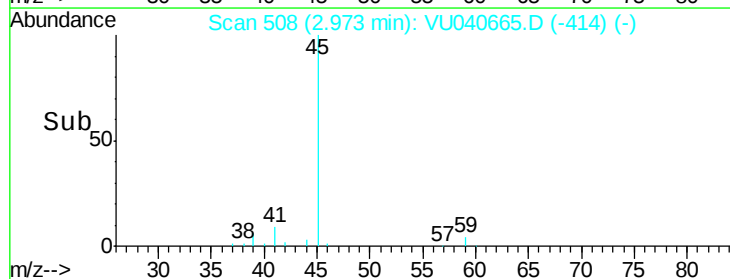
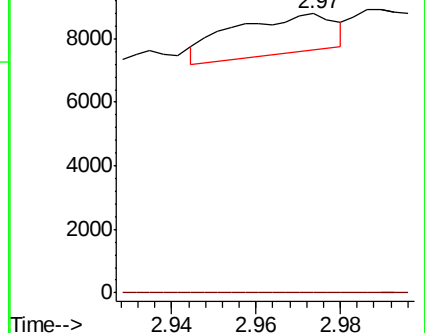
43 100

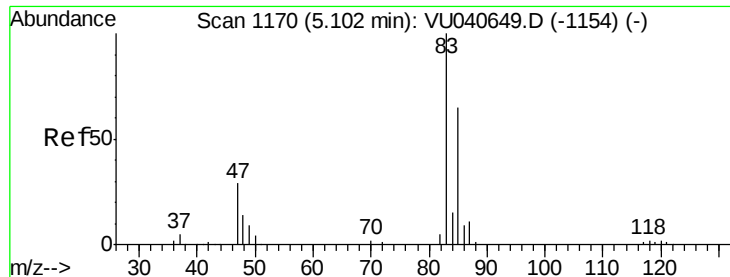
74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

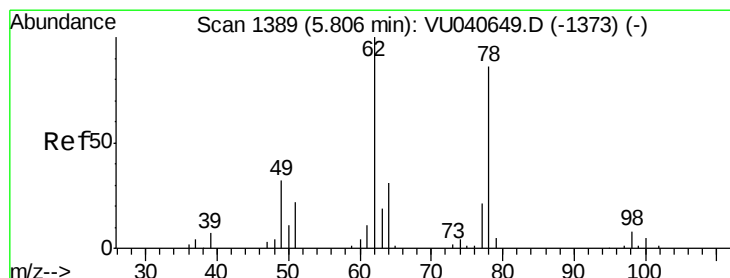
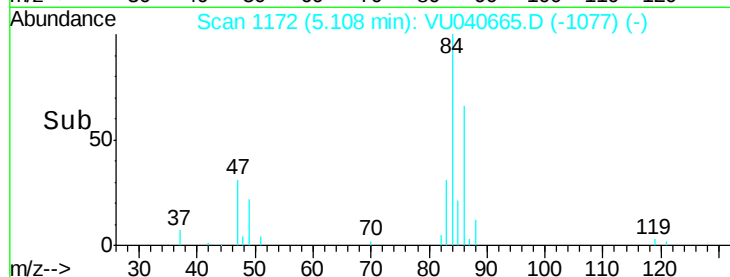
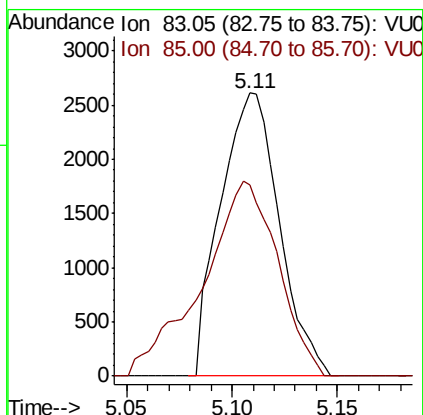
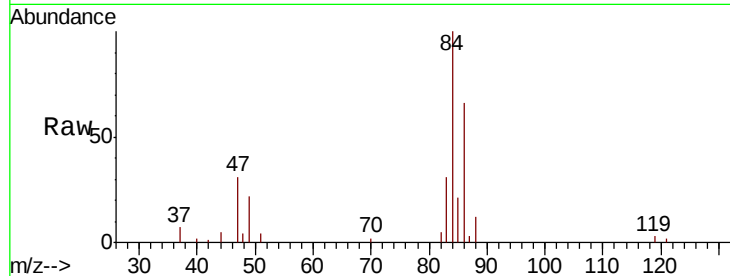




#25
Chloroform
Concen: 0.246 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040665.D
Acq: 12 Oct 2020 17:43

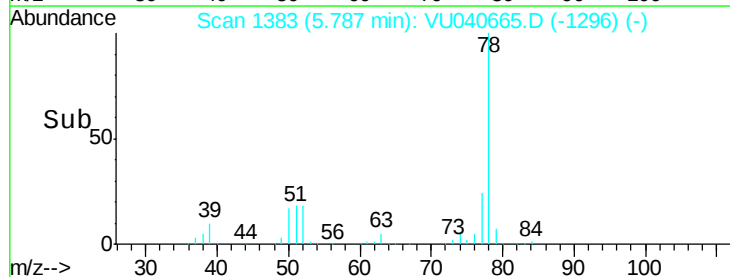
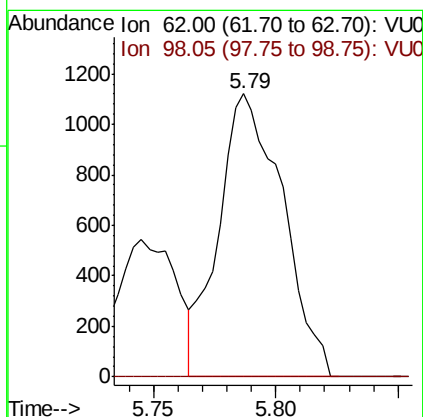
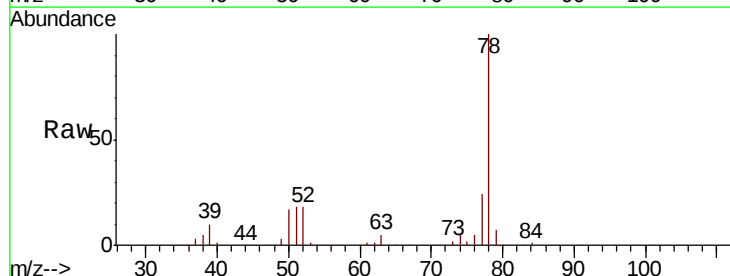
Instrument :
MSVOA_U
ClientSampleId :
YQY6MS

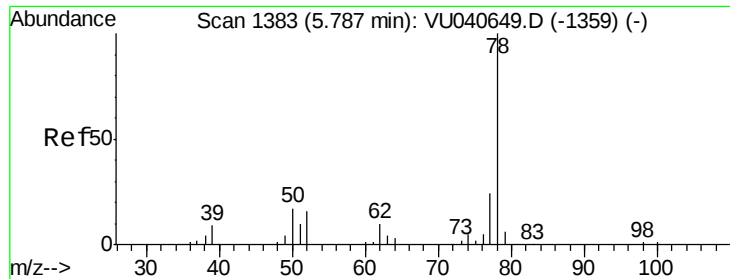
Tot Ion: 83 Resp: 5065
Ion Ratio Lower Upper
83 100
85 67.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.140 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.02 min
Lab File: VU040665.D
Acq: 12 Oct 2020 17:43

Tgt Ion: 62 Resp: 2042
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 4.895 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

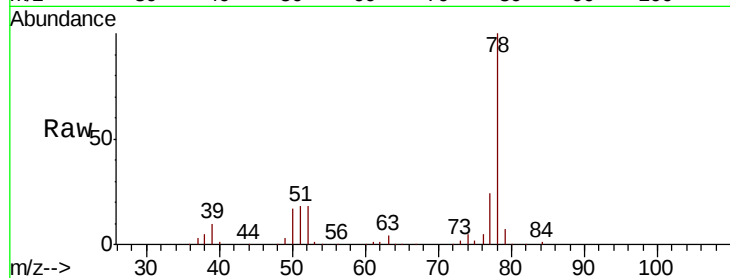
Instrument :

MSVOA_U

ClientSampleId :

YAQY6MS

Tgt Ion: 78 Resp: 204512



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

100000

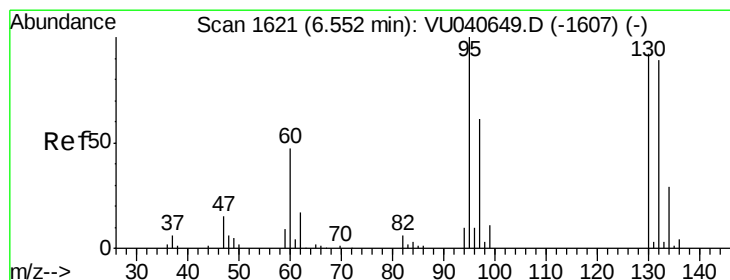
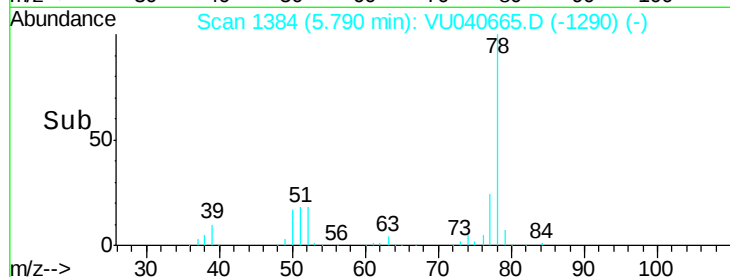
80000

60000

40000

20000

Time-->



#34

Trichloroethene

Concen: 13.988 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

Tgt Ion: 95 Resp: 151493

Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.5	84.5
132	93.5	67.5	125.4
130	96.4	69.9	129.9

95 100

97 65.2 45.5 84.5

132 93.5 67.5 125.4

130 96.4 69.9 129.9

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): VU0

Ion 129.95 (129.65 to 130.65): VU0

120000

100000

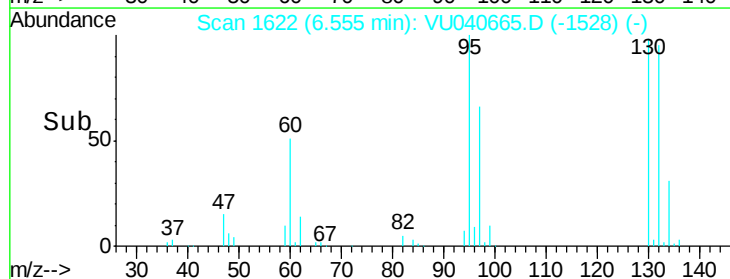
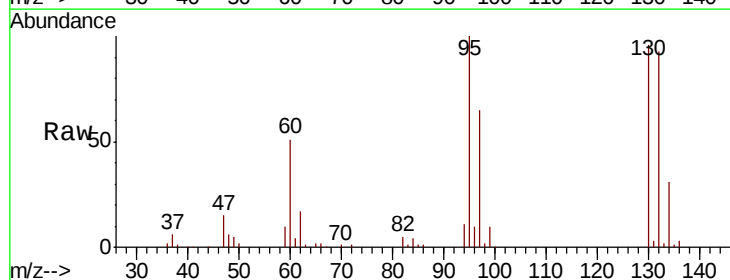
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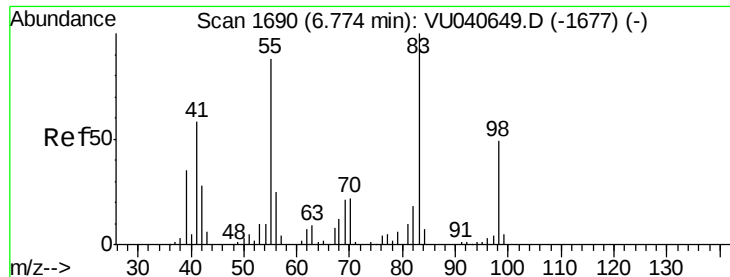
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40000

20000

Time-->

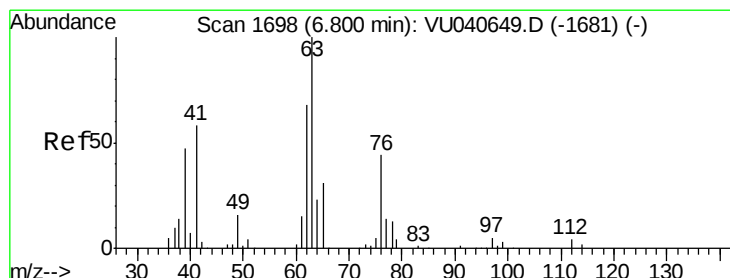
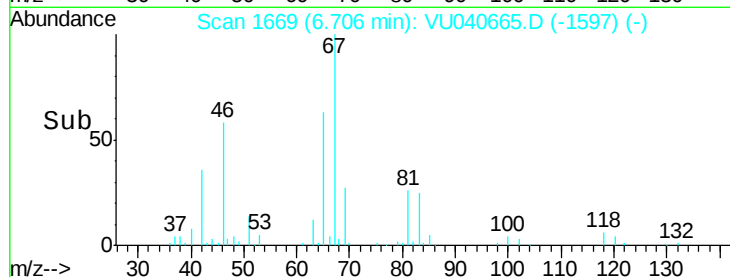
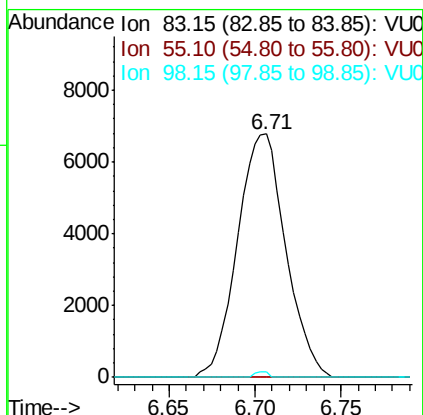
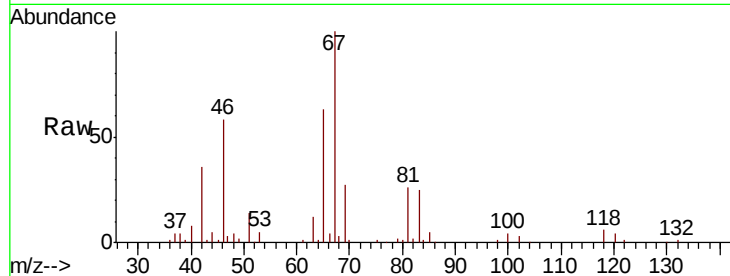




#35
Methvlcvclohexane
Concen: 0.861 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040665.D
Acq: 12 Oct 2020 17:43

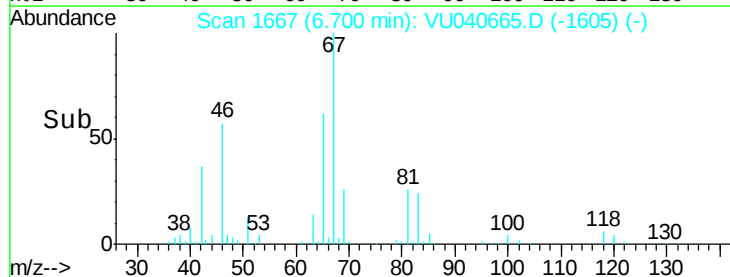
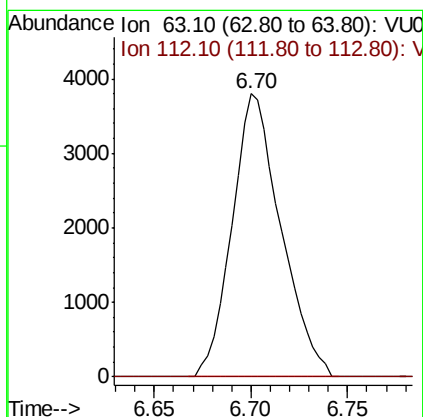
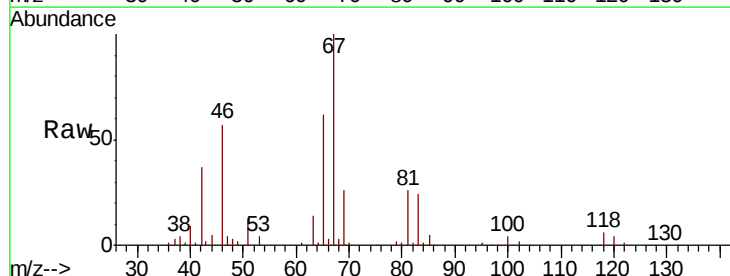
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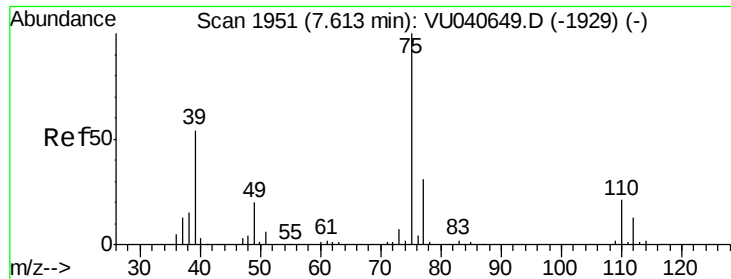
Tot Ion: 83 Resp: 13223
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.572 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040665.D
Acq: 12 Oct 2020 17:43

Tgt Ion: 63 Resp: 6664
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

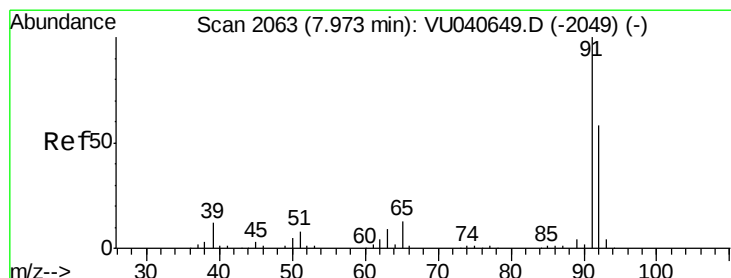
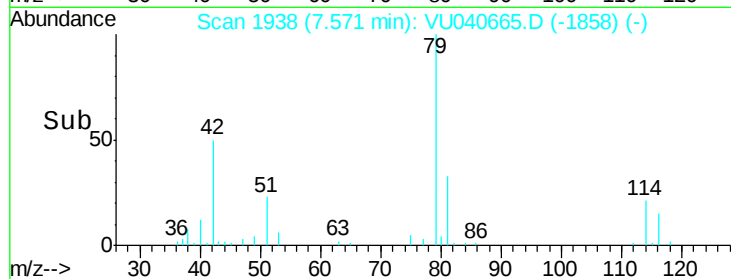
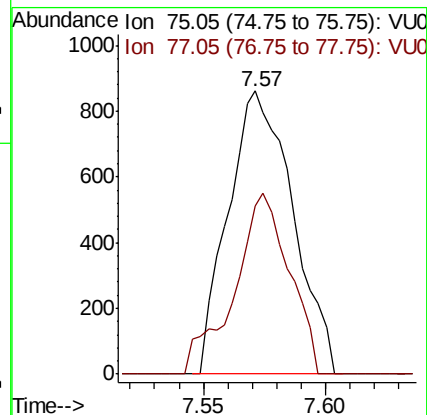
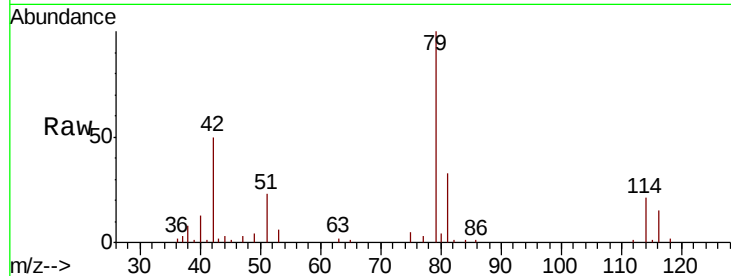




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040665.D
 Acq: 12 Oct 2020 17:43

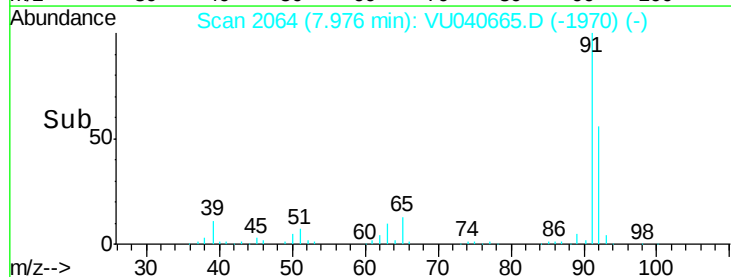
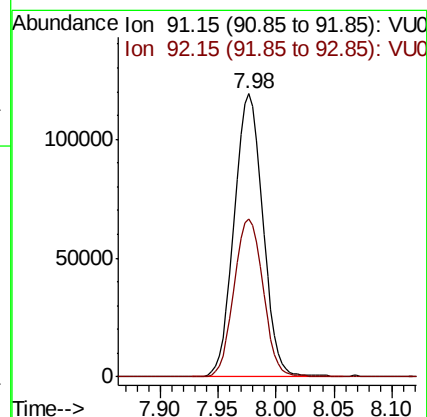
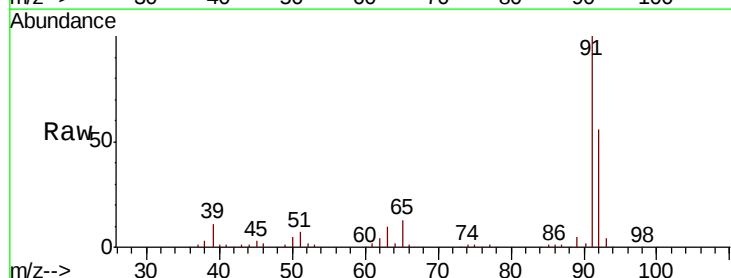
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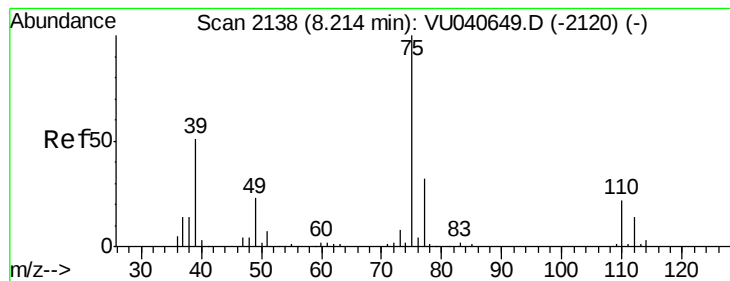
Tot Ion: 75 Resp: 1580
 Ion Ratio Lower Upper
 75 100
 77 59.2 20.5 38.1#



#42
 Toluene
 Concen: 4.792 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040665.D
 Acq: 12 Oct 2020 17:43

Tgt Ion: 91 Resp: 204045
 Ion Ratio Lower Upper
 91 100
 92 55.9 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

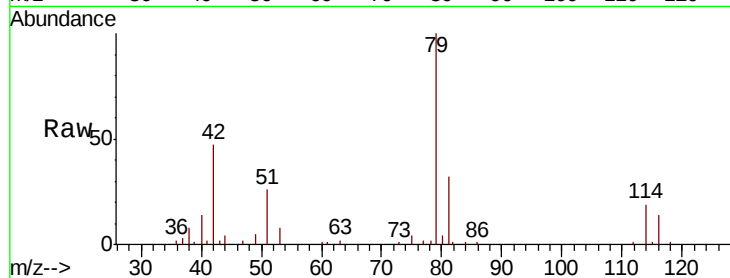
YQY6MS

Tot Ion: 75 Resp: 1030

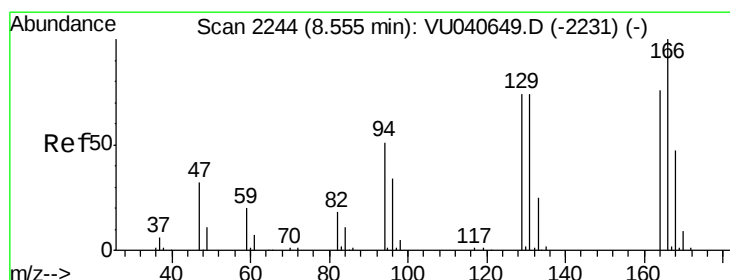
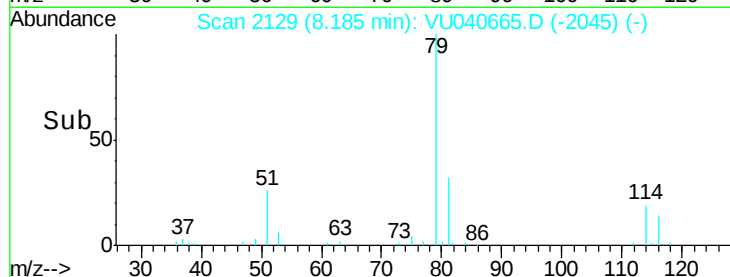
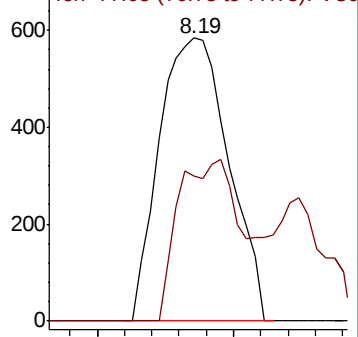
Ion Ratio Lower Upper

75 100

77 51.2 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040649.D (-2120) (-)



#47

Tetrachloroethene

Concen: 1.853 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

Tgt Ion:164 Resp: 14320

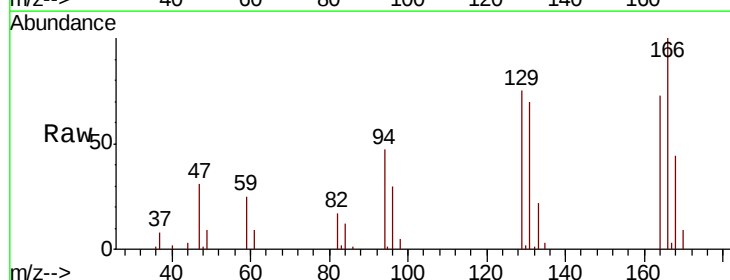
Ion Ratio Lower Upper

164 100

129 101.8 68.8 127.8

131 95.5 66.7 123.9

166 136.3 83.9 155.7

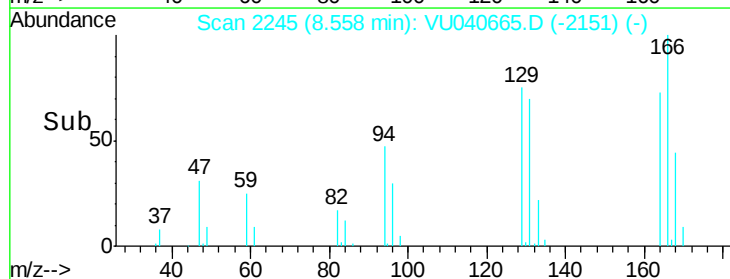
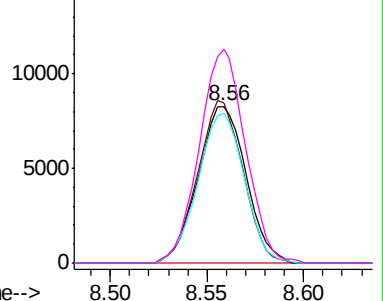


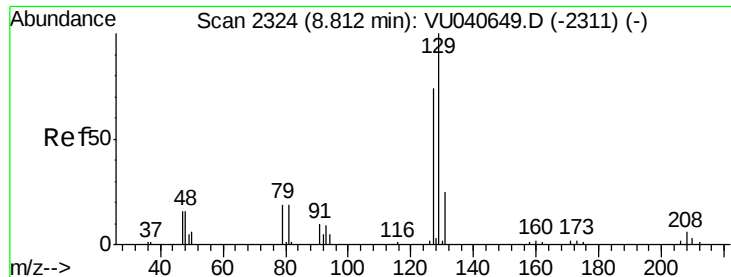
Abundance Ion 163.90 (163.60 to 164.60): VU040649.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040649.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040649.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040649.D (-2231) (-)





#49

Dibromochloromethane

Concen: 1.390 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

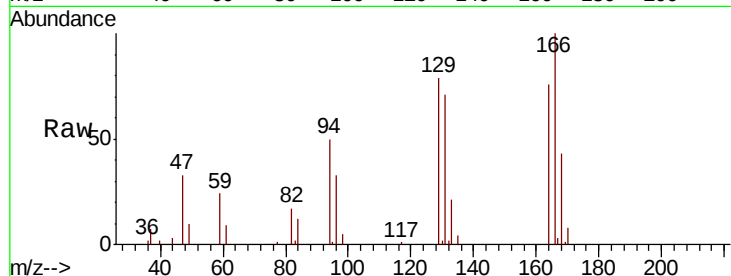
YQY6MS

Tot Ion:129 Resp: 13942

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

10000

8000

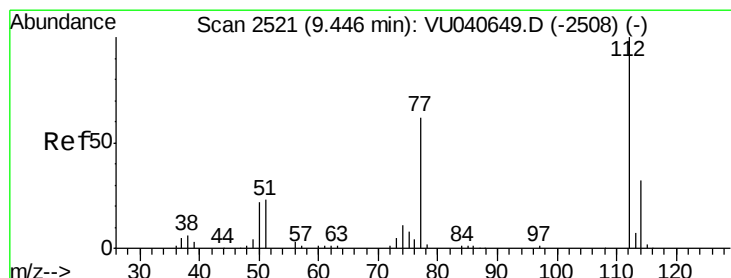
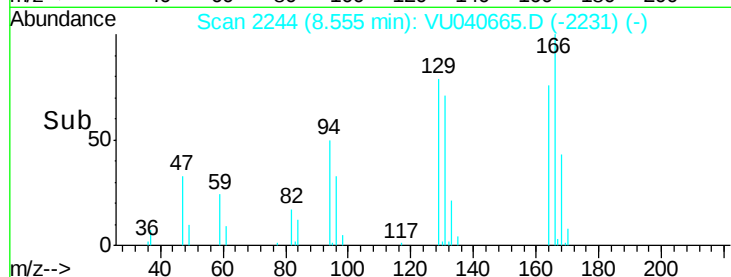
6000

4000

2000

0

Time-->



#51

Chlorobenzene

Concen: 4.942 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

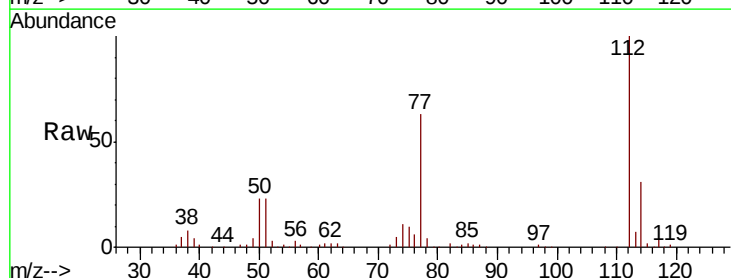
Tgt Ion:112 Resp: 138604

Ion Ratio Lower Upper

112 100

114 30.9 23.1 42.9

77 63.3 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

9.45

100000

80000

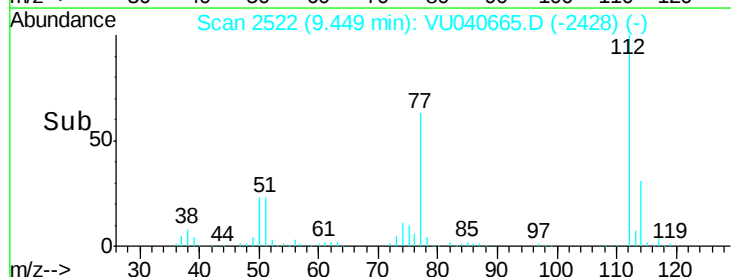
60000

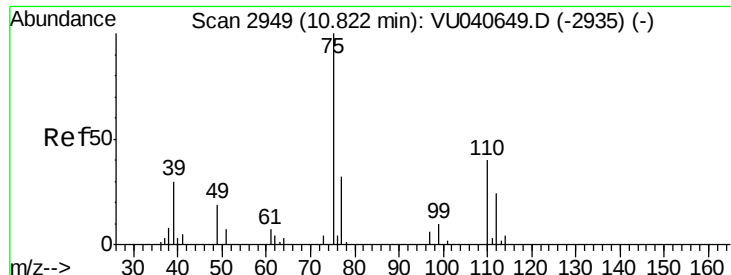
40000

20000

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.888 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040665.D

Acq: 12 Oct 2020 17:43

Instrument :

MSVOA_U

ClientSampleId :

YQY6MS

Tot Ion: 75 Resp: 7591

Ion Ratio Lower Upper

75 100

77 35.0 26.4 39.6

