

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040861.D
 Acq On : 20 Oct 2020 20:39
 Operator : SY/MD
 Sample : L4428-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ52

Quant Time: Oct 21 00:01:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110434	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121145	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50391	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40639	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.92	69	34745	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	61635	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.65	46	157773	53.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.76%
24) Chloroform-d	5.08	84	85231	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.72	65	51288	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	152805	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.70	67	53473	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	121573	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	19165	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.64	63	111001	46.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47894	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	49329	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	3813	0.407 ug/L #	82
5) Vinyl chloride	1.61	62	3417	0.347 ug/L #	1
8) Chloroethane	1.93	64	1372	0.219 ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	438	0.048 ug/L #	20
13) Acetone	2.65	43	3673	1.618 ug/L	88
14) Carbon disulfide	2.81	76	2046	0.093 ug/L #	76
22) cis-1,2-Dichloroethene	4.69	96	7333	0.824 ug/L	96
27) 1,2-Dichloroethane	5.81	62	663	0.054 ug/L #	77
35) Methylcyclohexane	6.70	83	12745	0.891 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6294	0.580 ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1478	0.100 ug/L #	70
42) Toluene	7.97	91	1700	0.043 ug/L	97
44) trans-1,3-Dichloropropene	8.18	75	948	0.070 ug/L	88
47) Tetrachloroethene	8.56	164	1138	0.158 ug/L	80
48) 2-Hexanone	8.64	43	16697	2.594 ug/L #	71
49) Dibromochloromethane	8.56	129	1081	0.116 ug/L #	9
53) m,p-Xylene	9.70	106	1548	0.099 ug/L	98

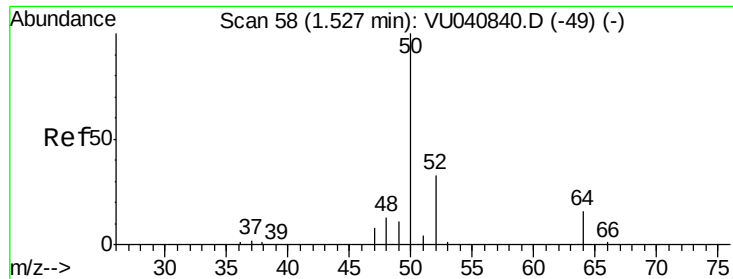
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102020\
Data File : VU040861.D
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QLast Update : Tue Oct 20 23:49:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6771	0.850	ug/L	92

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



#3

Chloromethane

Concen: 0.407 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

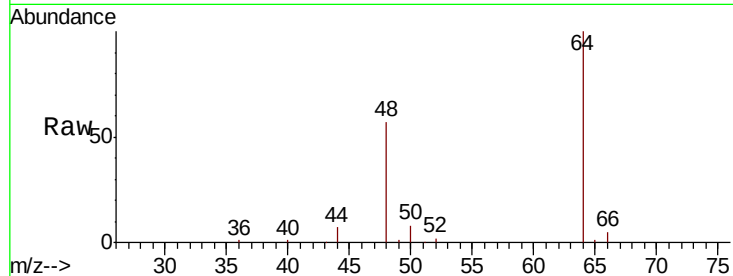
ETZ52

Tot Ion: 50 Resp: 3813

Ion Ratio Lower Upper

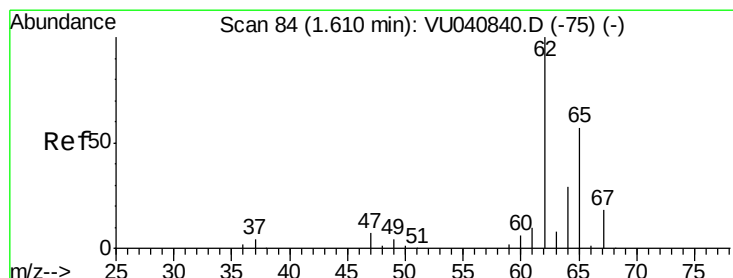
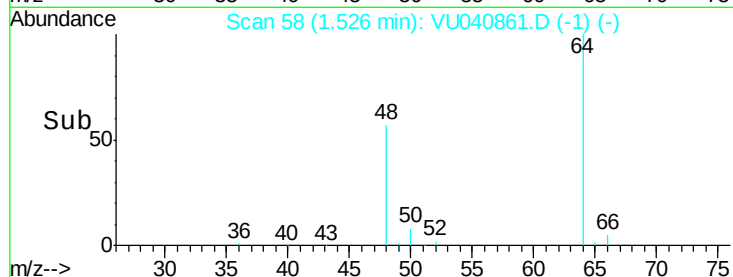
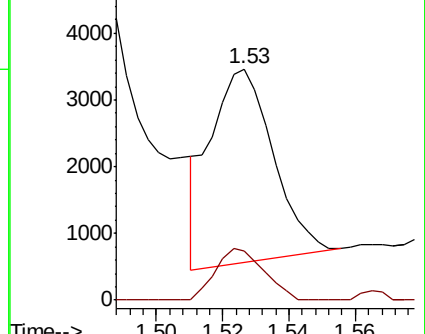
50 100

52 21.4 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.347 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040861.D

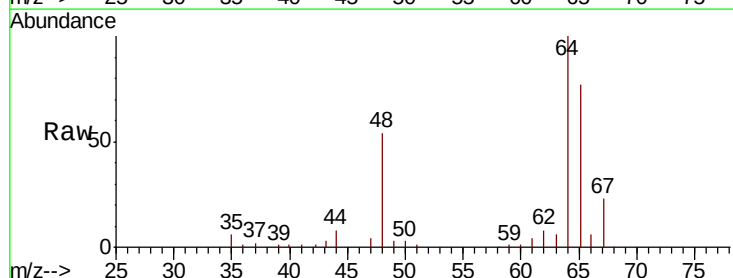
Acq: 20 Oct 2020 20:39

Tgt Ion: 62 Resp: 3417

Ion Ratio Lower Upper

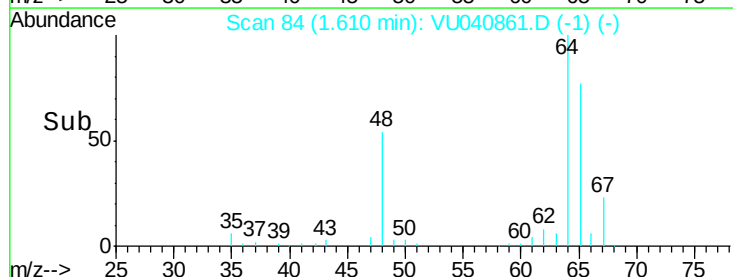
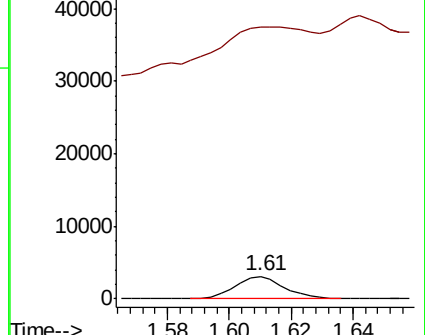
62 100

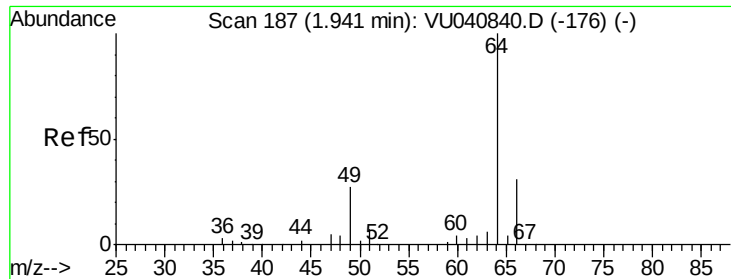
64 1198.6 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.219 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

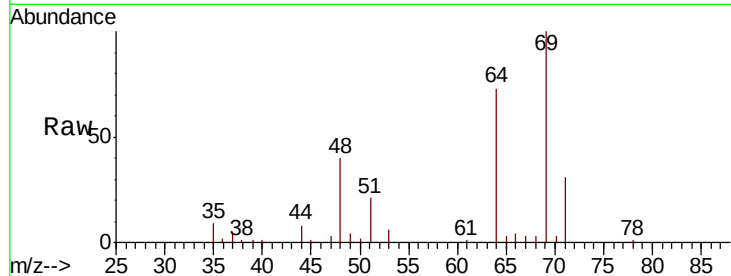
ETZ52

Tot Ion: 64 Resp: 1372

Ion Ratio Lower Upper

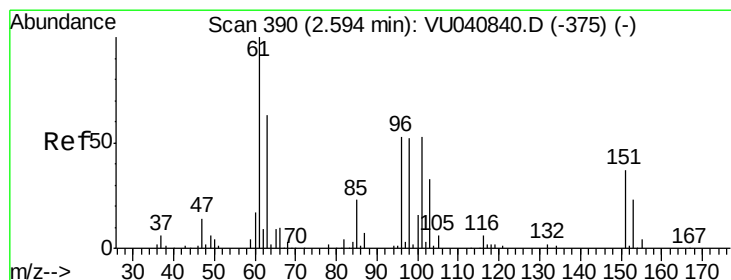
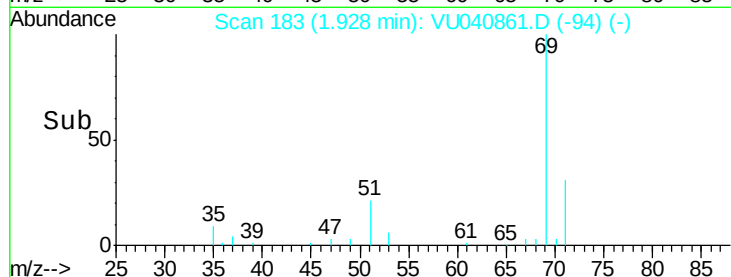
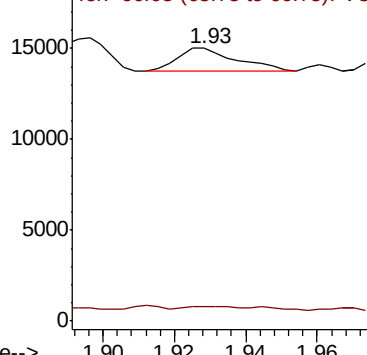
64 100

66 5.6 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.048 ug/L

RT: 2.57 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

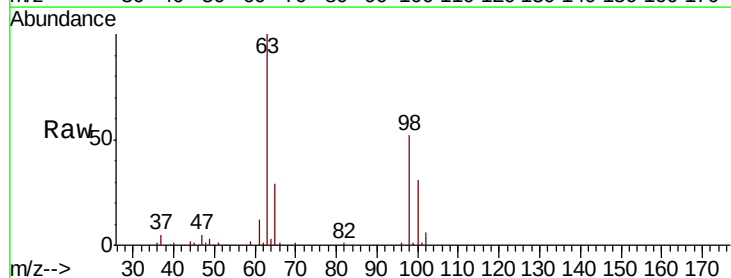
Tgt Ion: 101 Resp: 438

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

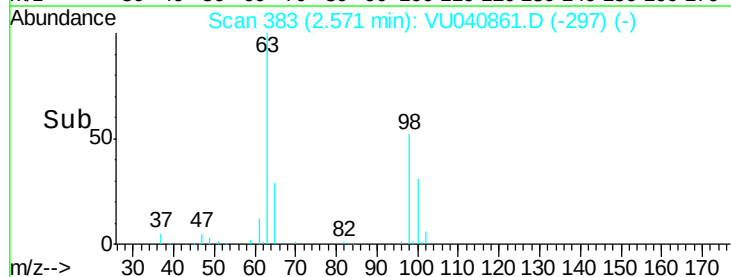
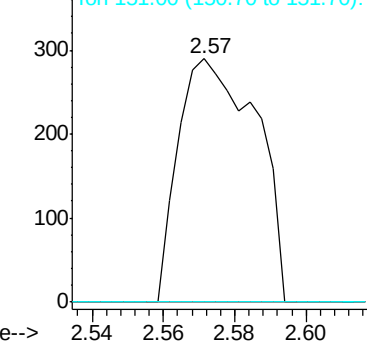
151 0.0 58.0 87.0#

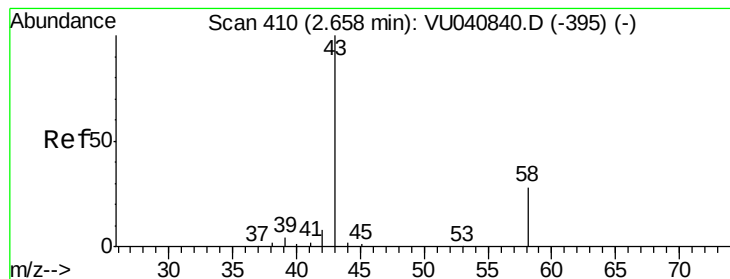


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.618 ug/L

RT: 2.65 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

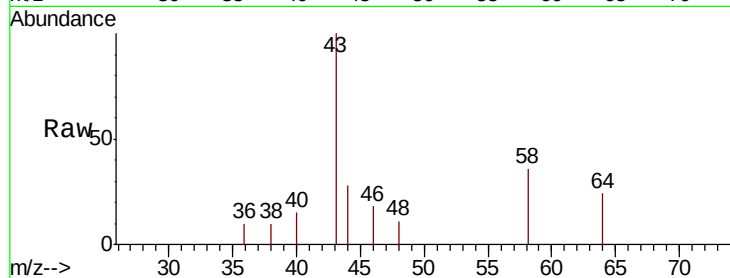
ETZ52

Tot Ion: 43 Resp: 3673

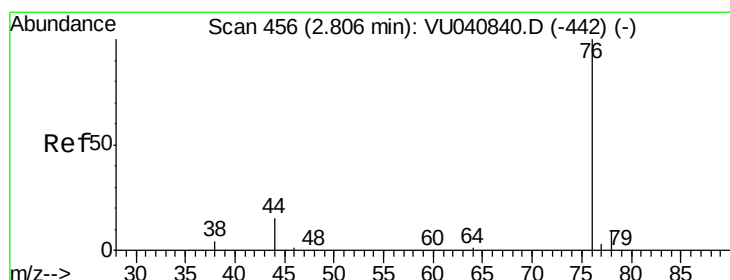
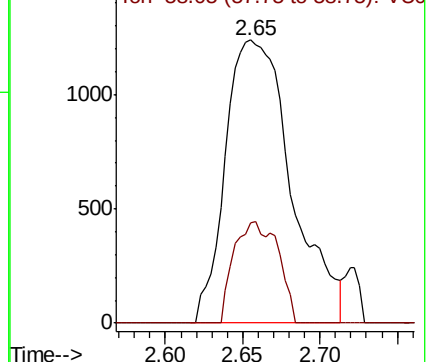
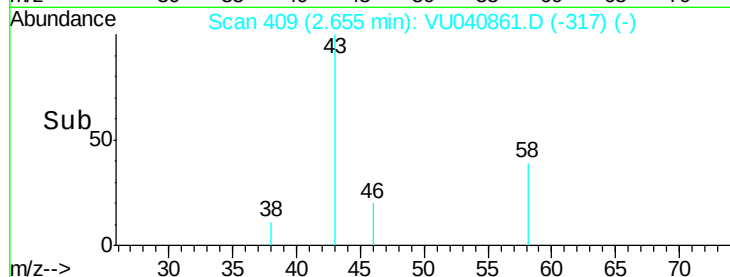
Ion Ratio Lower Upper

43 100

58 23.9 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040861.D (-317) (-)



#14

Carbon disulfide

Concen: 0.093 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040861.D

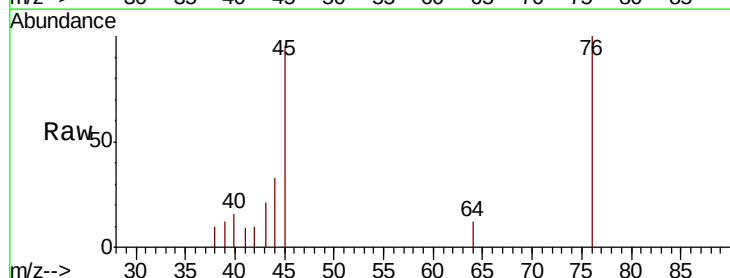
Acq: 20 Oct 2020 20:39

Tgt Ion: 76 Resp: 2046

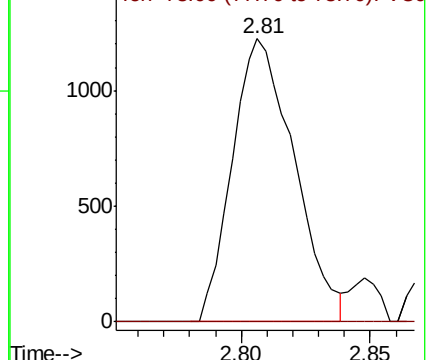
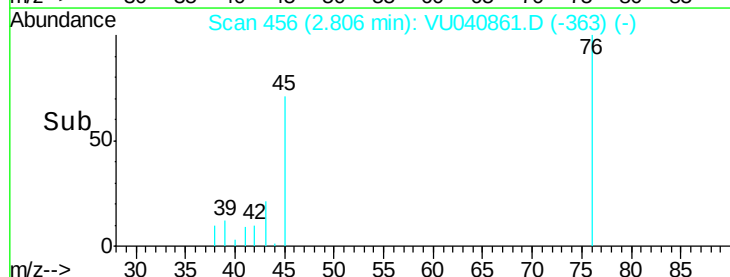
Ion Ratio Lower Upper

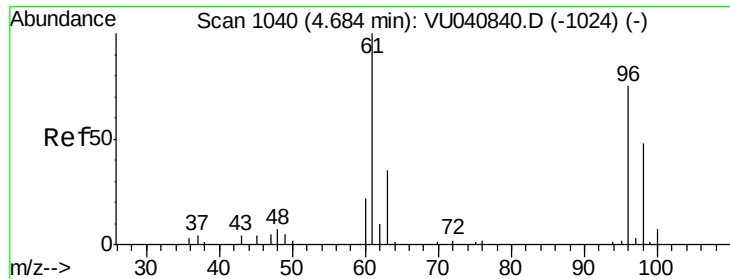
76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU040861.D (-363) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.824 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_U

ClientSampled :

ETZ52

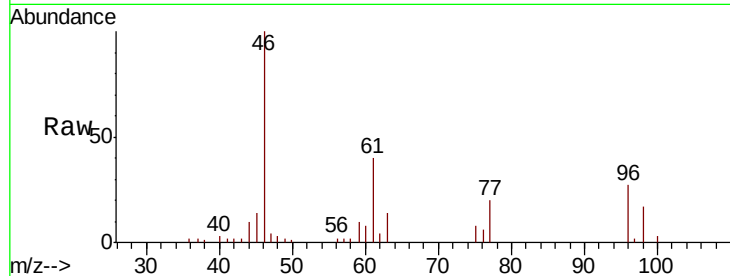
Tot Ion: 96 Resp: 7333

Ion Ratio Lower Upper

96 100

61 147.9 99.8 185.4

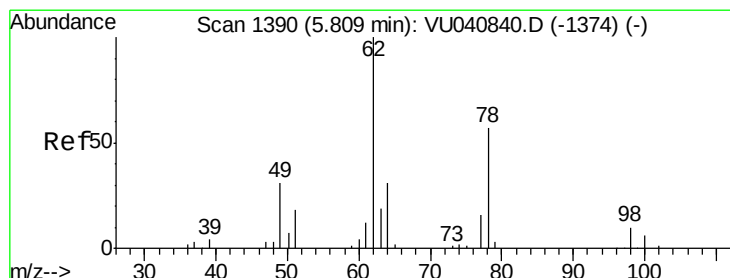
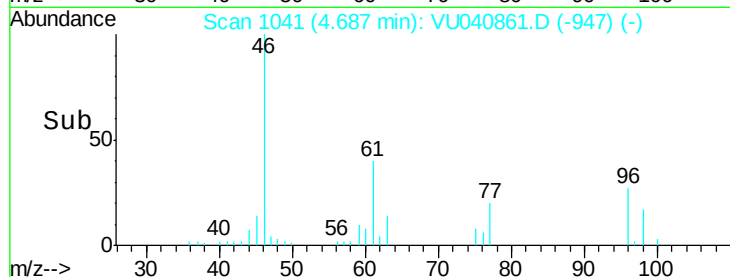
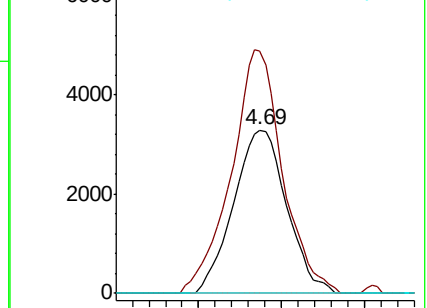
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040861.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040861.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040861.D (-947) (-)



#27

1,2-Dichloroethane

Concen: 0.054 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU040861.D

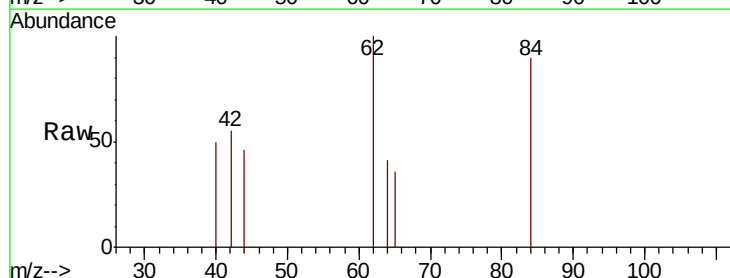
Acq: 20 Oct 2020 20:39

Tgt Ion: 62 Resp: 663

Ion Ratio Lower Upper

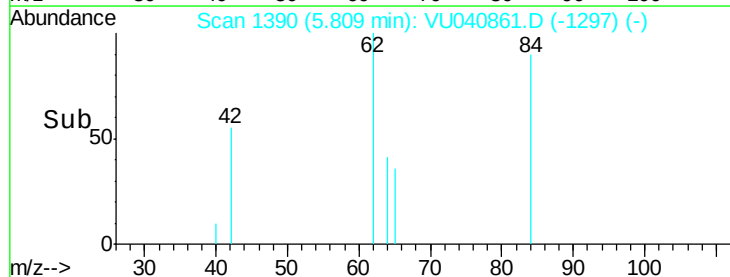
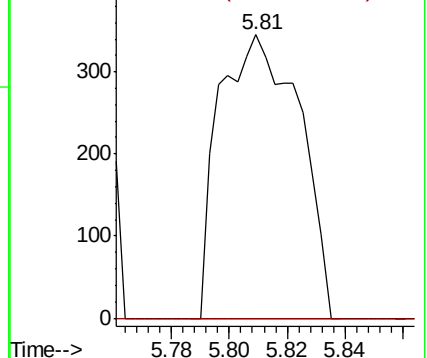
62 100

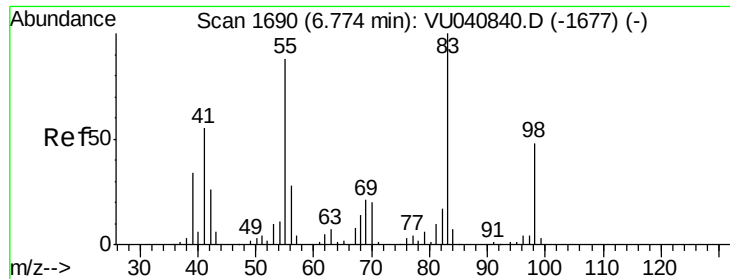
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040861.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040861.D (-1297) (-)

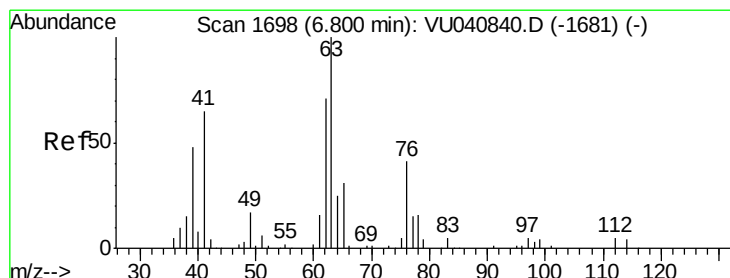
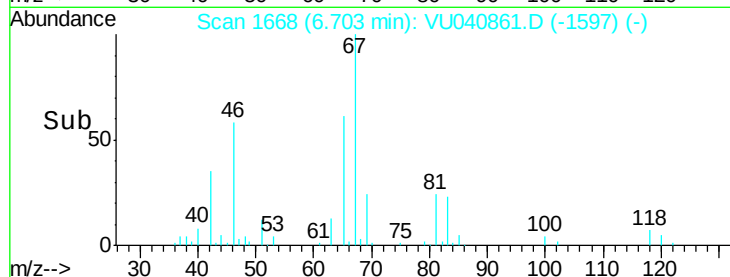
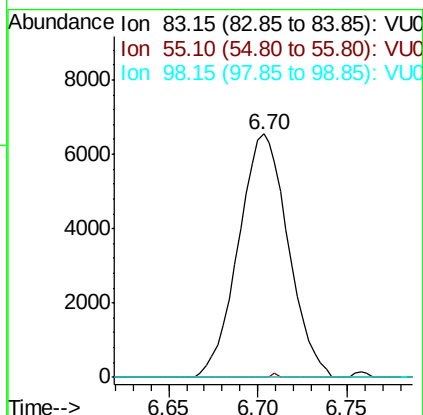
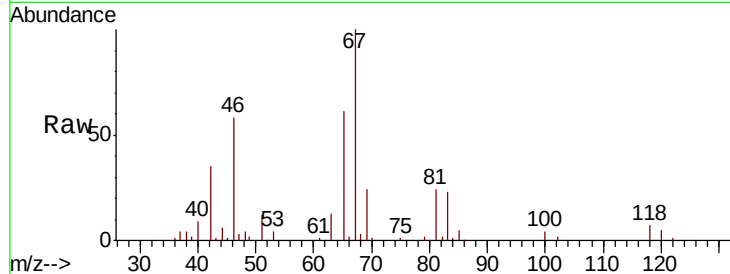




#35
Methylvlcyclohexane
Concen: 0.891 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040861.D
Acq: 20 Oct 2020 20:39

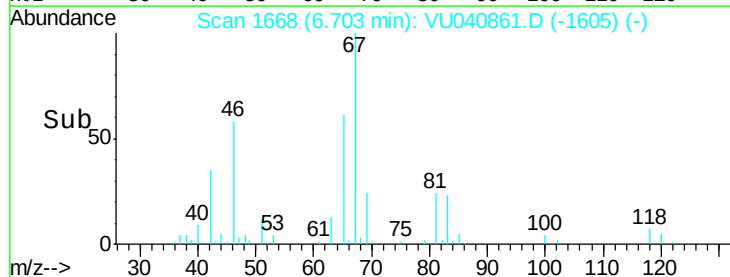
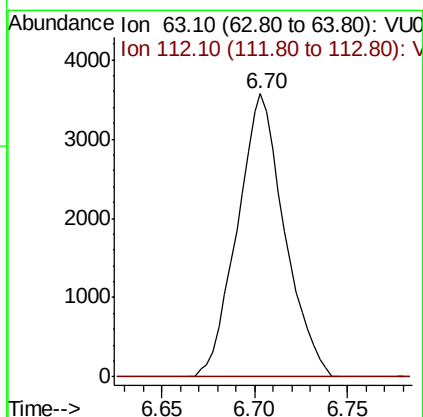
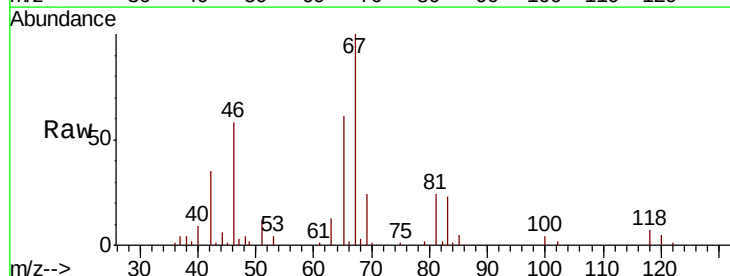
Instrument :
MSVOA_U
ClientSampleId :
ETZ52

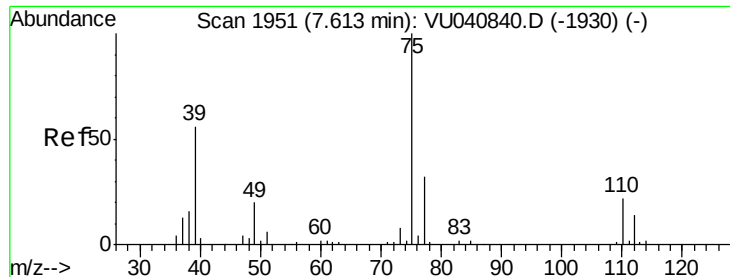
Tot Ion: 83 Resp: 12745
Ion Ratio Lower Upper
83 100
55 0.2 70.7 106.1#
98 0.0 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.580 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040861.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 63 Resp: 6294
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

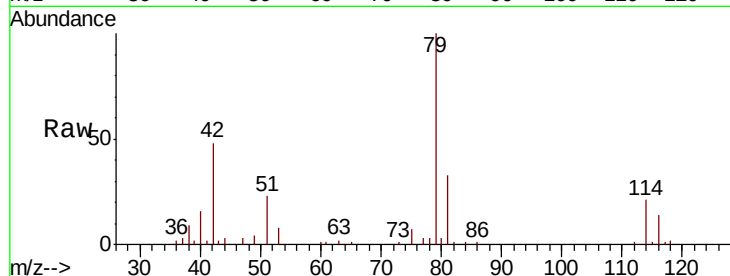
ETZ52

Tot Ion: 75 Resp: 1478

Ion Ratio Lower Upper

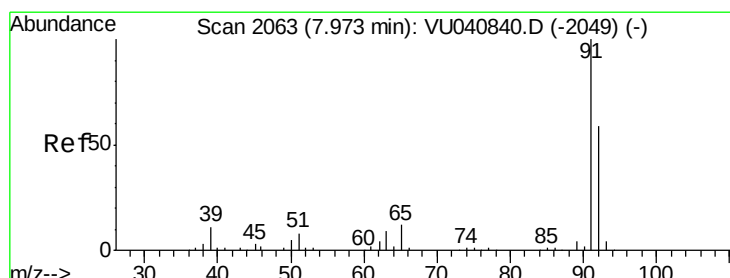
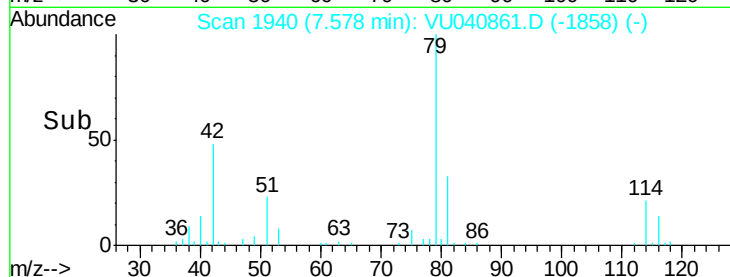
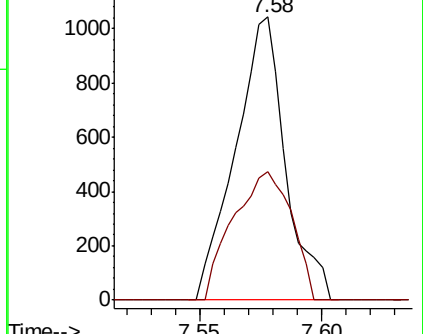
75 100

77 45.2 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.043 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040861.D

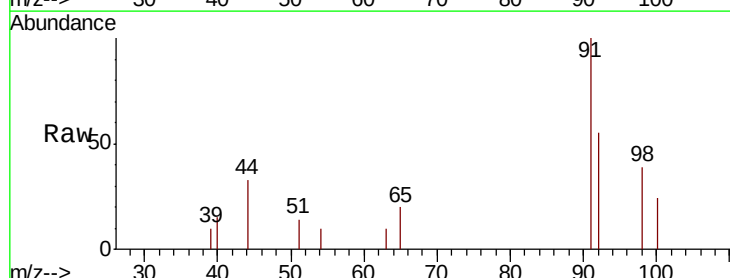
Acq: 20 Oct 2020 20:39

Tgt Ion: 91 Resp: 1700

Ion Ratio Lower Upper

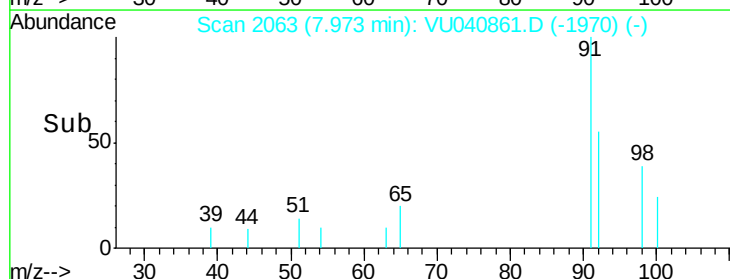
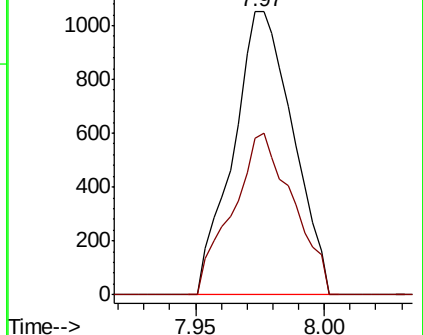
91 100

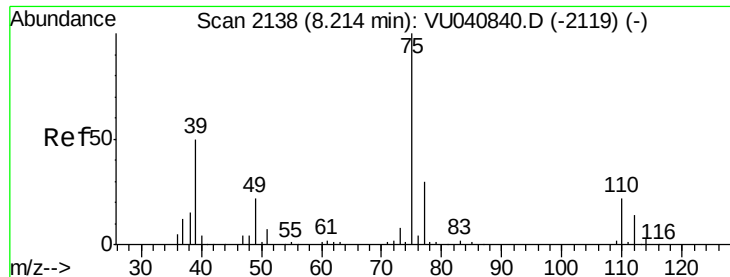
92 55.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

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ClientSampleId :

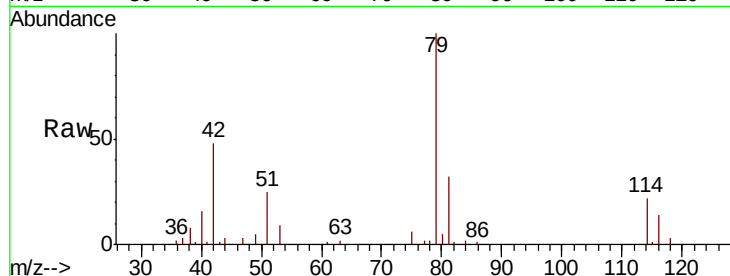
ETZ52

Tot Ion: 75 Resp: 948

Ion Ratio Lower Upper

75 100

77 35.8 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040861.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040861.D (-2045) (-)

8.18

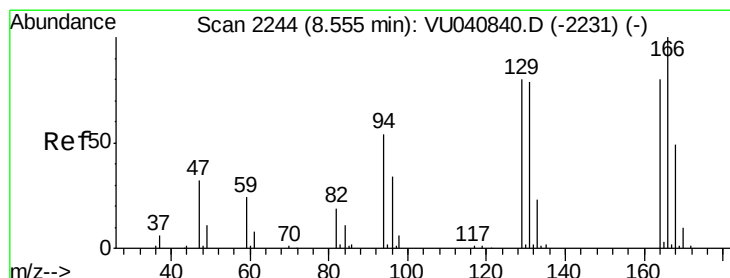
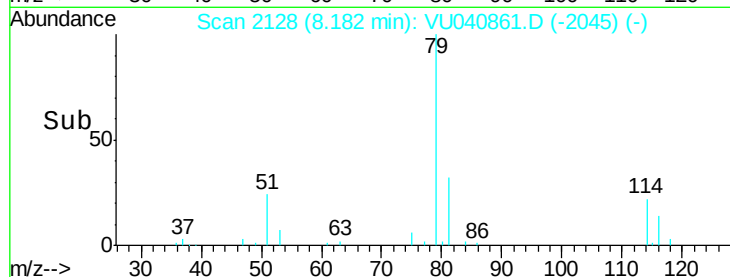
600

400

200

0

Time--> 8.14 8.16 8.18 8.20 8.22



#47

Tetrachloroethene

Concen: 0.158 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

Tgt Ion:164 Resp: 1138

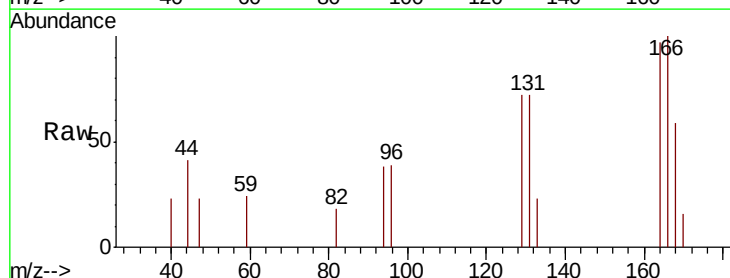
Ion Ratio Lower Upper

164 100

129 74.6 68.8 127.8

131 74.1 66.7 123.9

166 103.3 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040861.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040861.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040861.D (-2151) (-)

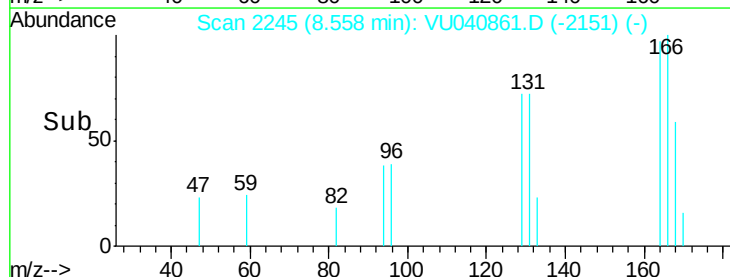
Ion 165.90 (165.60 to 166.60): VU040861.D (-2151) (-)

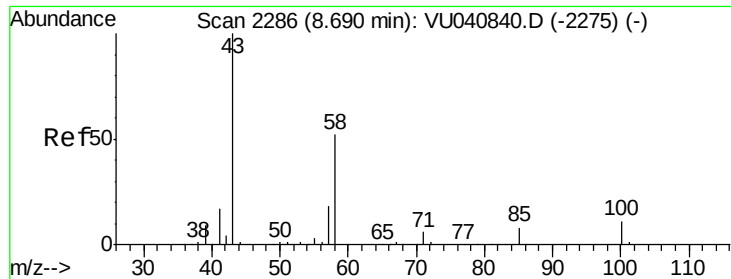
1000

500

0

Time--> 8.55 8.56 8.57 8.58 8.59 8.60

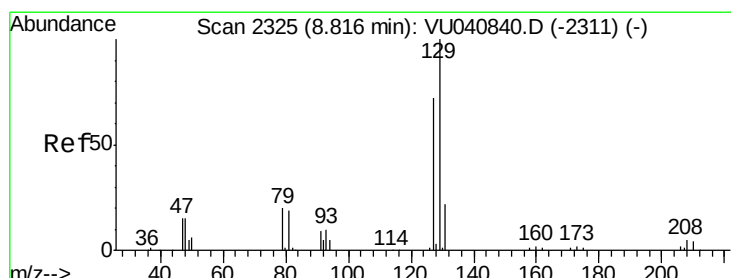
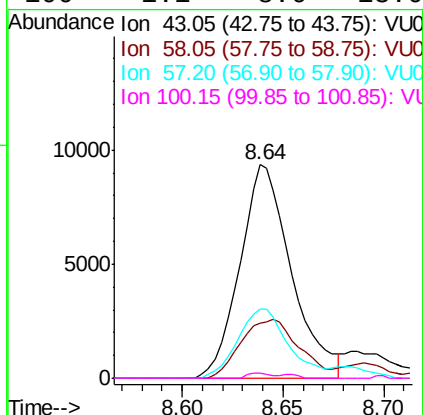
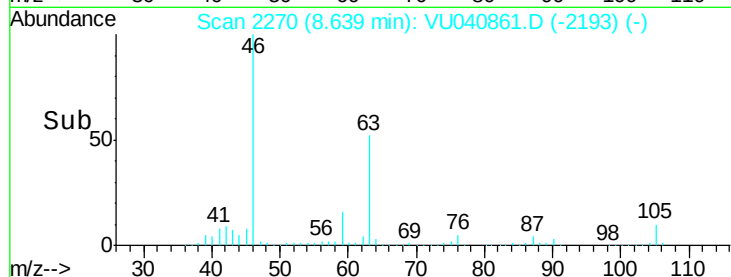
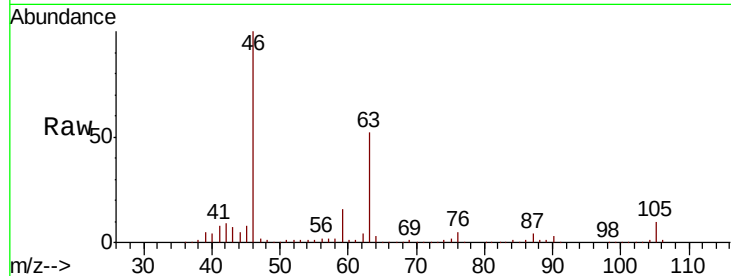




#48
2-Hexanone
Concen: 2.594 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040861.D
Acq: 20 Oct 2020 20:39

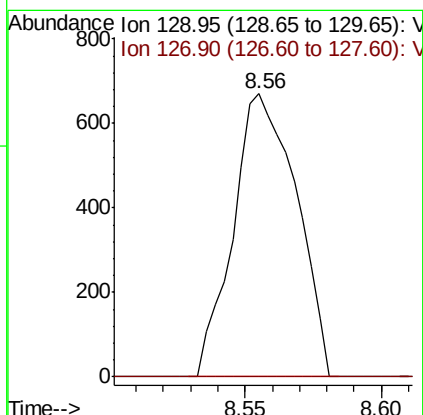
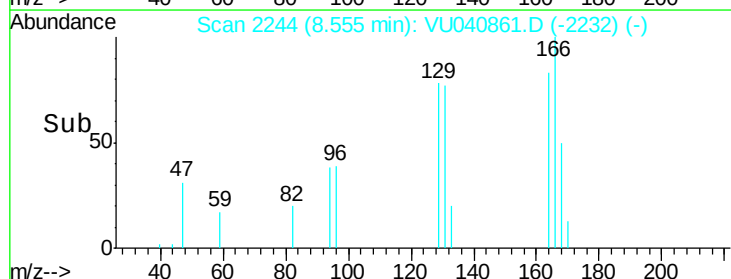
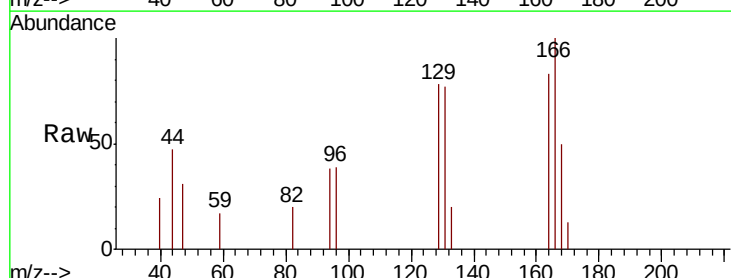
Instrument :
MSVOA_U
ClientSampleId :
ETZ52

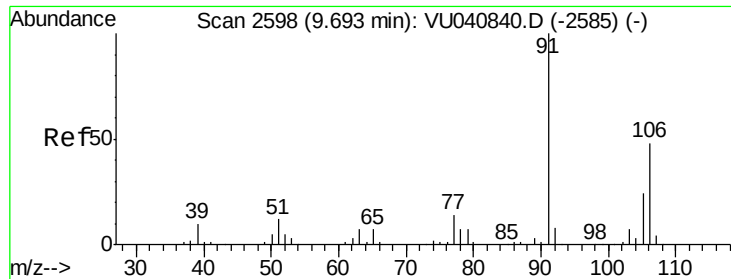
Tot Ion:	43	Resp:	16697
Ion	Ratio	Lower	Upper
43	100		
58	31.1	41.0	61.6#
57	31.8	14.4	21.6#
100	1.1	8.6	13.0#



#49
Dibromochloromethane
Concen: 0.116 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040861.D
Acq: 20 Oct 2020 20:39

Tgt Ion:	129	Resp:	1081
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#





#53

m,p-Xylene

Concen: 0.099 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.01 min

Lab File: VU040861.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

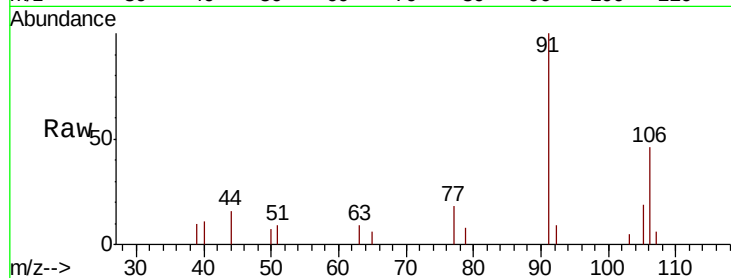
ETZ52

Tot Ion:106 Resp: 1548

Ion Ratio Lower Upper

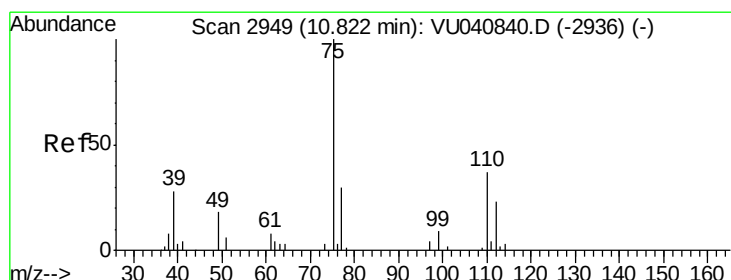
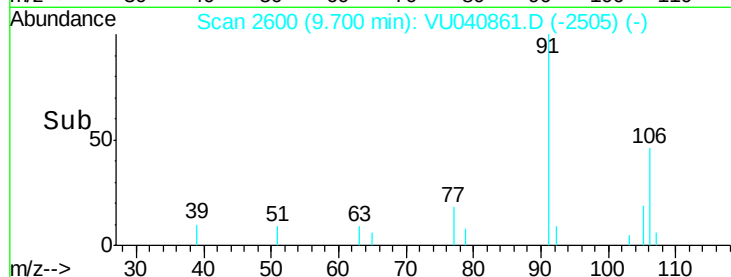
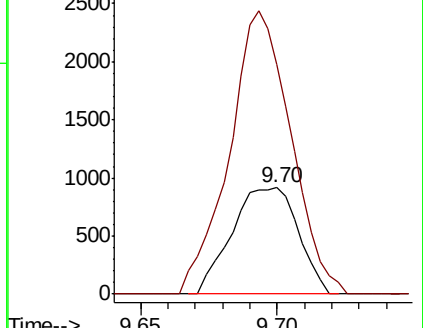
106 100

91 215.6 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040861.D (-2600) (-)

Ion 91.15 (90.85 to 91.85): VU040861.D (-2600) (-)



#59

1,2,3-Trichloropropane

Concen: 0.850 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040861.D

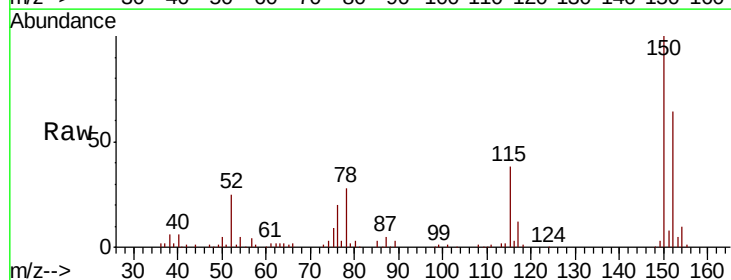
Acq: 20 Oct 2020 20:39

Tgt Ion: 75 Resp: 6771

Ion Ratio Lower Upper

75 100

77 37.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040861.D (-3256) (-)

Ion 77.00 (76.70 to 77.70): VU040861.D (-3256) (-)

