

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040685.D
 Acq On : 13 Oct 2020 16:12
 Operator : SY/MD
 Sample : L4354-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ07

Quant Time: Oct 14 06:06:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 14 05:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116242	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50084	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39230	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.92	69	35637	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.58	63	64081	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	174488	56.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.22%
24) Chloroform-d	5.08	84	88314	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.72	65	54021	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	152241	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	54754	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.91	98	119179	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.19	79	20429	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.64	63	121056	50.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48751	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50166	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	471	0.048 ug/L	93
5) Vinyl chloride	1.61	62	1869	0.180 ug/L #	1
8) Chloroethane	1.94	64	461	0.070 ug/L #	52
12) 1,1-Dichloroethene	2.59	96	612	0.074 ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	1837	0.078 ug/L #	85
18) trans-1,2-Dichloroethene	3.38	96	784	0.090 ug/L #	57
22) cis-1,2-Dichloroethene	4.69	96	16134	1.723 ug/L	94
25) Chloroform	5.11	83	1551	0.085 ug/L	90
27) 1,2-Dichloroethane	5.81	62	8620	0.664 ug/L	96
34) Trichloroethene	6.55	95	4115	0.404 ug/L	90
35) Methylcyclohexane	6.70	83	12535	0.868 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6690	0.611 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1475	0.099 ug/L #	68
44) trans-1,3-Dichloropropene	8.19	75	911	0.066 ug/L #	76
48) 2-Hexanone	8.64	43	17367	2.673 ug/L #	72
53) m,p-Xylene	9.70	106	2218	0.140 ug/L	71
59) 1,2,3-Trichloropropane	11.81	75	6744	0.839 ug/L	93

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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

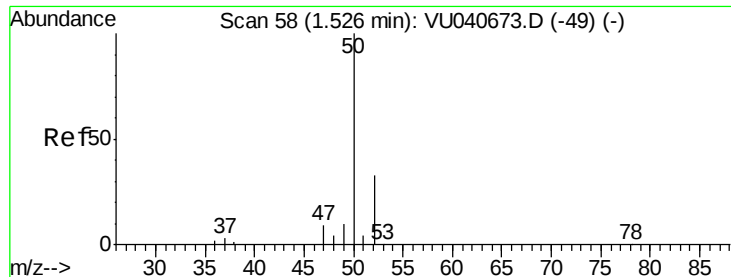
Instrument :
MSVOA_U
ClientSampleId :
ETZ07

Quant Time: Oct 14 06:06:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 14 05:57:05 2020
Response via : Initial Calibration

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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Data File : VU040685.D  
Acq On    : 13 Oct 2020   16:12  
Operator  : SY/MD  
Sample    : L4354-04  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 15      Sample Multiplier: 1
```



#3

Chloromethane

Concen: 0.048 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040685.D

Acq: 13 Oct 2020 16:12

Instrument :

MSVOA_U

ClientSampleId :

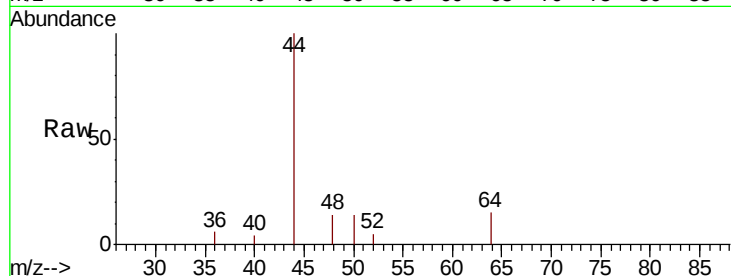
ETZ07

Tot Ion: 50 Resp: 471

Ion Ratio Lower Upper

50 100

52 35.2 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

400

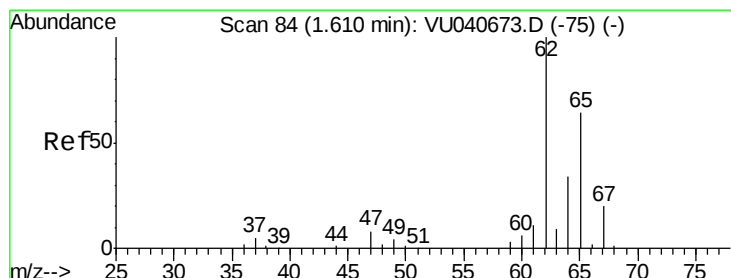
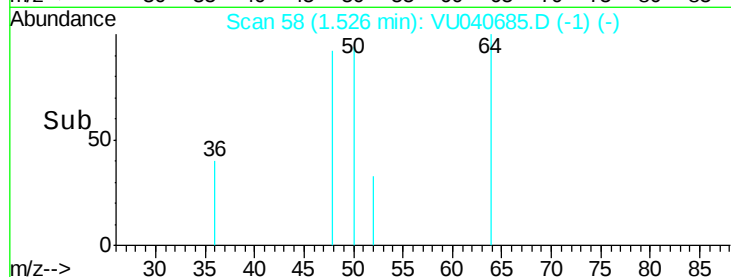
300

200

100

0

Time-->



#5

Vinyl chloride

Concen: 0.180 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040685.D

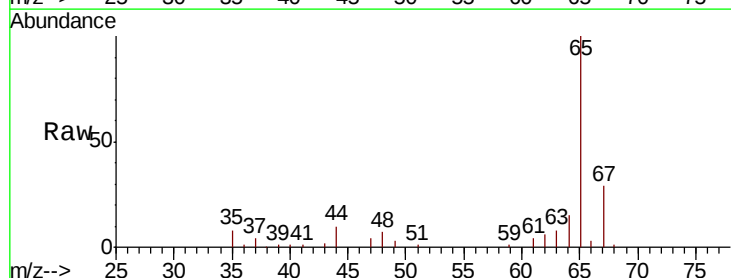
Acq: 13 Oct 2020 16:12

Tgt Ion: 62 Resp: 1869

Ion Ratio Lower Upper

62 100

64 241.7 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

5000

4000

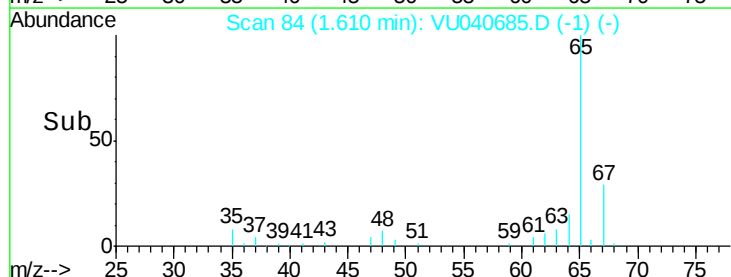
3000

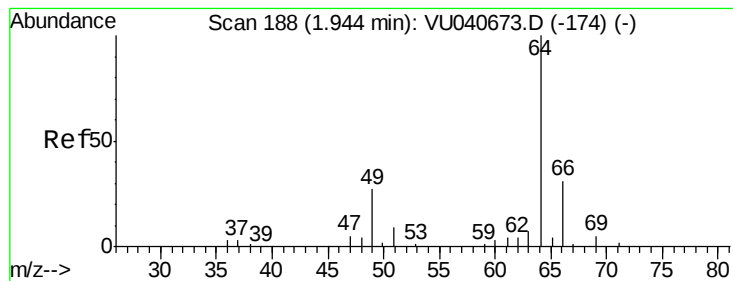
2000

1000

0

Time-->





#8

Chloroethane

Concen: 0.070 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040685.D

Acq: 13 Oct 2020 16:12

Instrument :

MSVOA_U

ClientSampleId :

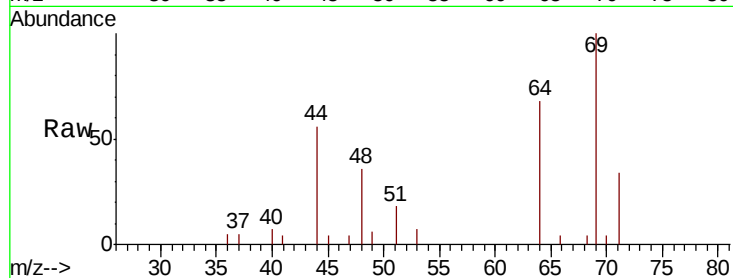
ETZ07

Tot Ion: 64 Resp: 461

Ion Ratio Lower Upper

64 100

66 6.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.94

2000

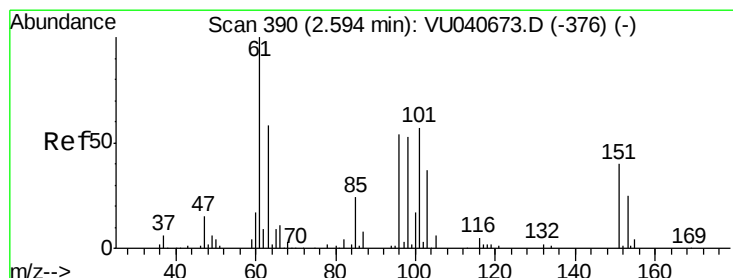
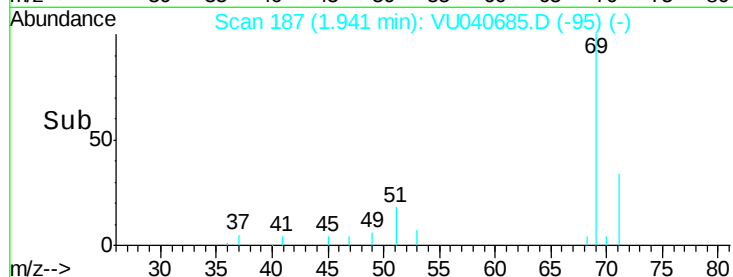
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040685.D

Acq: 13 Oct 2020 16:12

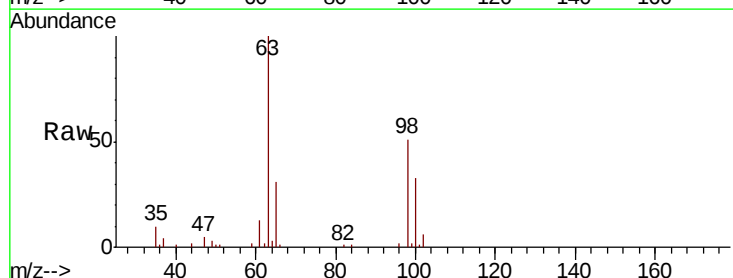
Tgt Ion: 96 Resp: 612

Ion Ratio Lower Upper

96 100

61 817.9 128.8 239.2#

63 6456.7 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

50000

40000

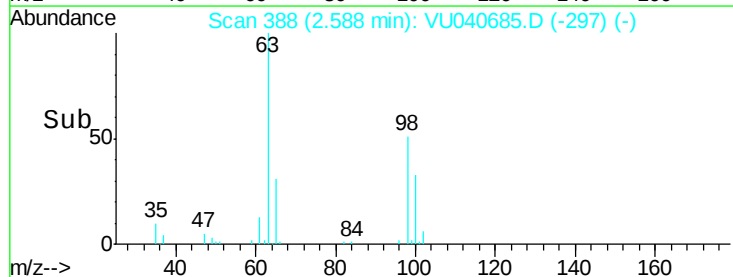
30000

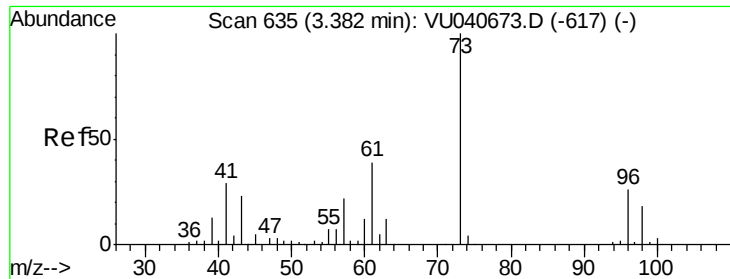
20000

10000

0

Time-->

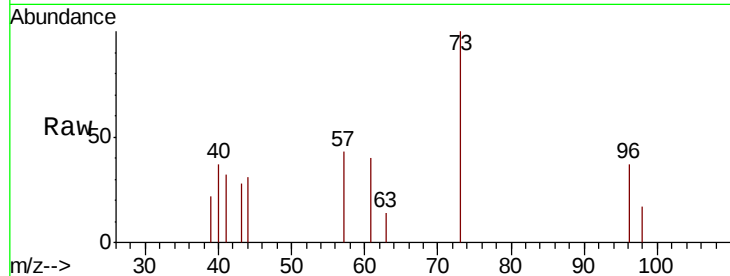




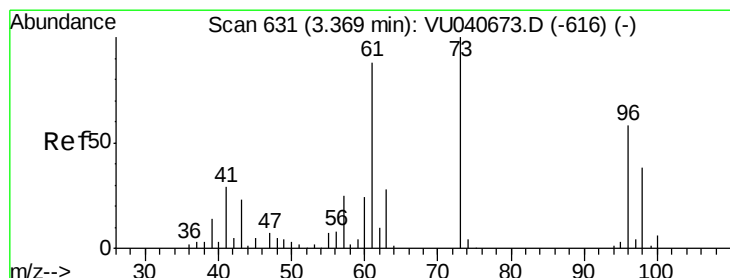
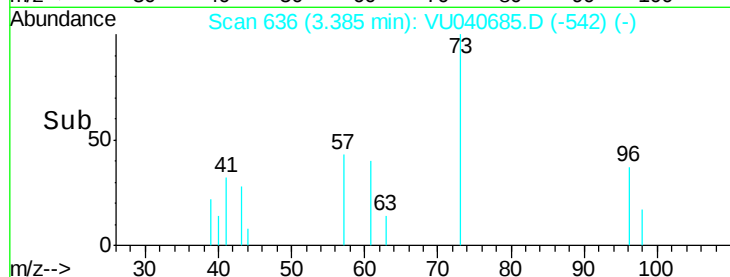
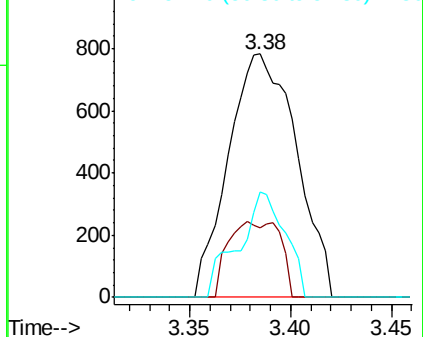
#17
Methvl tert-butvl Ether
Concen: 0.078 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040685.D
Acq: 13 Oct 2020 16:12

Instrument :
MSVOA_U
ClientSampled :
ETZ07

Tot Ion: 73 Resp: 1837
Ion Ratio Lower Upper
73 100
43 15.3 18.2 27.4#
57 30.0 18.6 28.0#

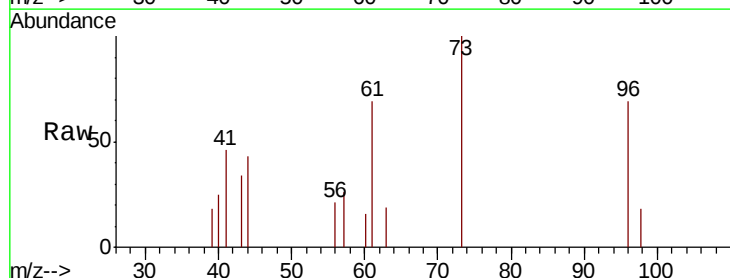


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

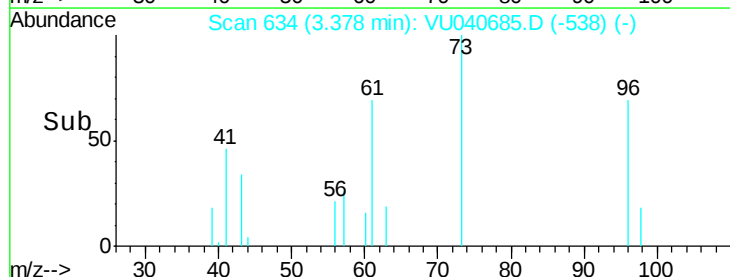
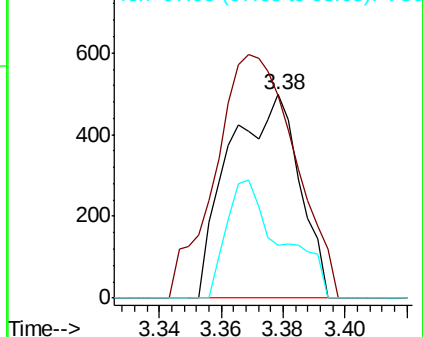


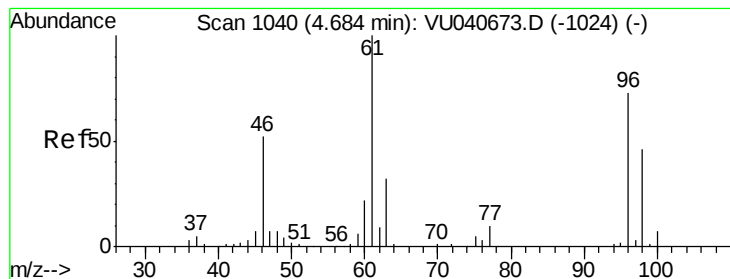
#18
trans-1,2-Dichloroethene
Concen: 0.090 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.01 min
Lab File: VU040685.D
Acq: 13 Oct 2020 16:12

Tgt Ion: 96 Resp: 784
Ion Ratio Lower Upper
96 100
61 99.4 105.9 196.7#
98 25.7 43.8 81.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.723 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040685.D

Acq: 13 Oct 2020 16:12

Instrument :

MSVOA_U

ClientSampleId :

ETZ07

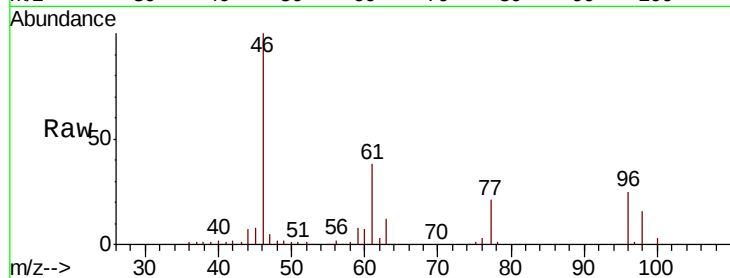
Tot Ion: 96 Resp: 16134

Ion Ratio Lower Upper

96 100

61 150.4 99.8 185.4

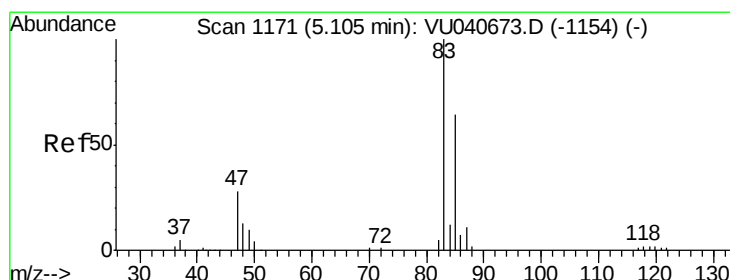
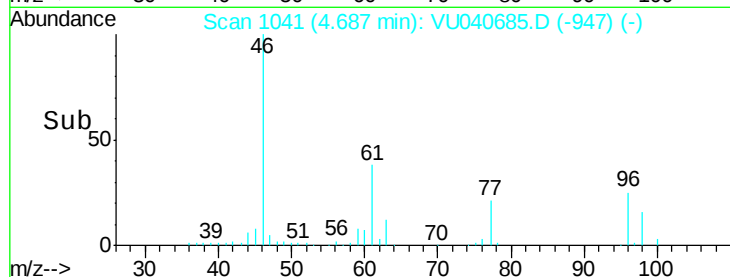
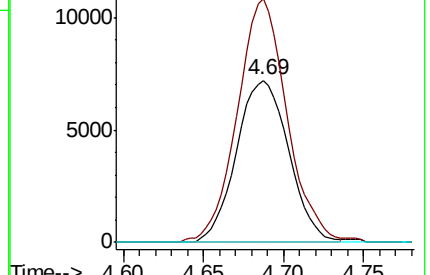
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040685.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040685.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040685.D (-947) (-)



#25

Chloroform

Concen: 0.085 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040685.D

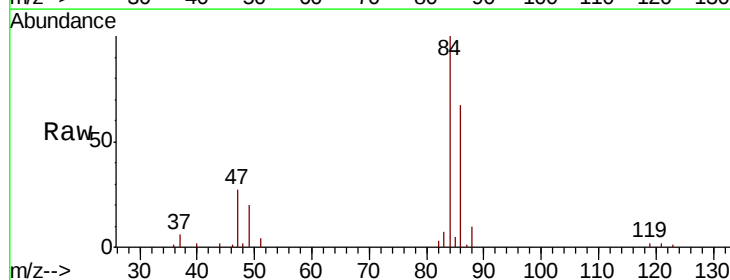
Acq: 13 Oct 2020 16:12

Tgt Ion: 83 Resp: 1551

Ion Ratio Lower Upper

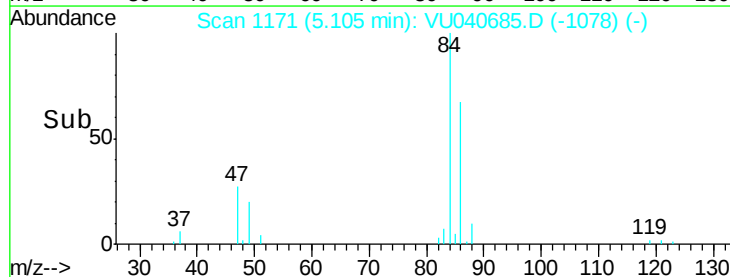
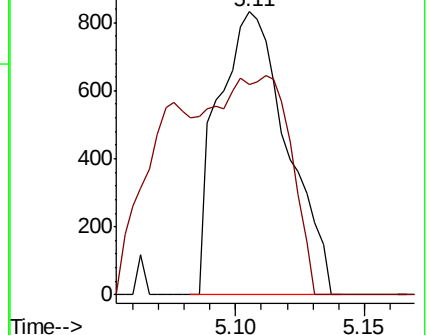
83 100

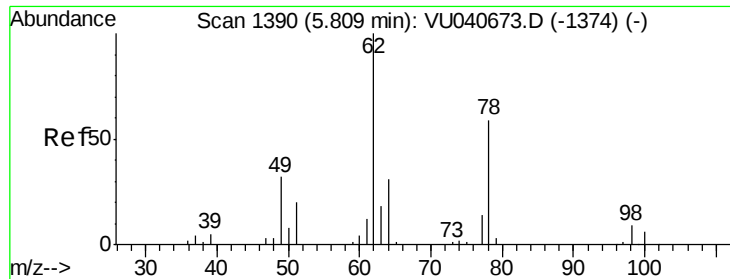
85 74.5 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040685.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040685.D (-1078) (-)

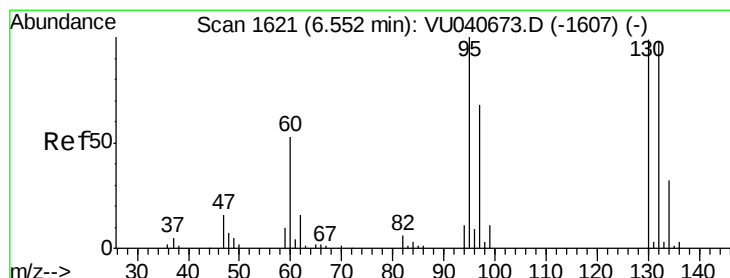
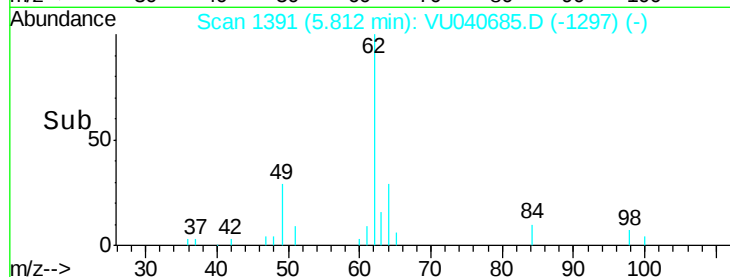
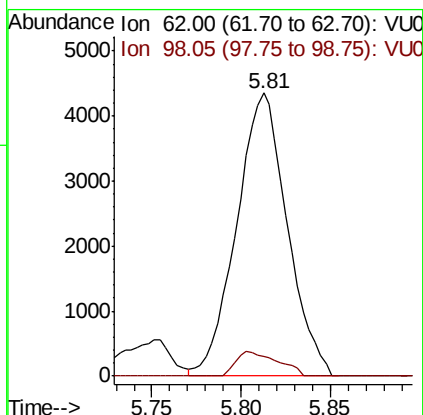
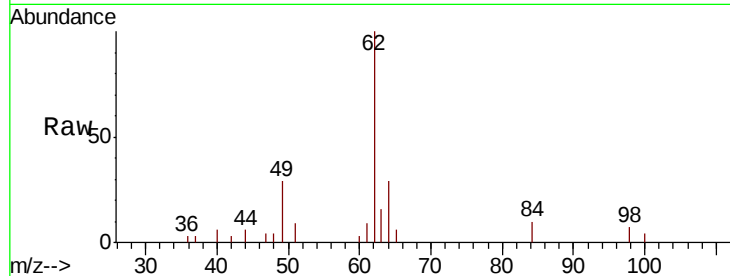




#27
 1,2-Dichloroethane
 Concen: 0.664 ug/L
 RT: 5.81 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VU040685.D
 Acq: 13 Oct 2020 16:12

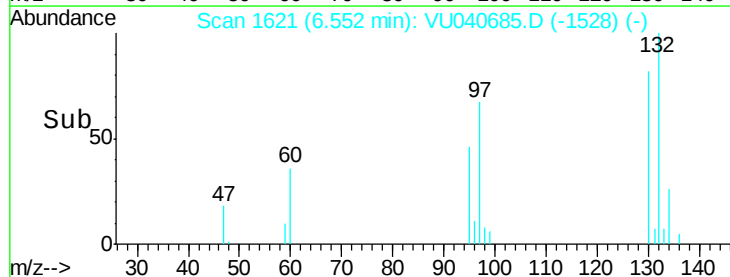
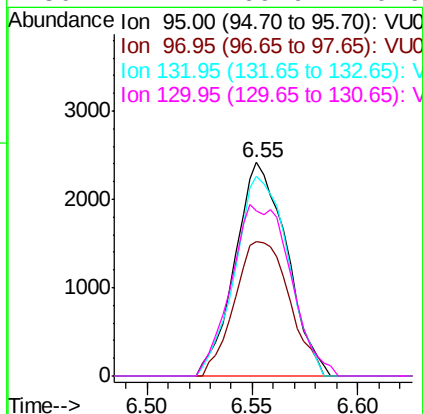
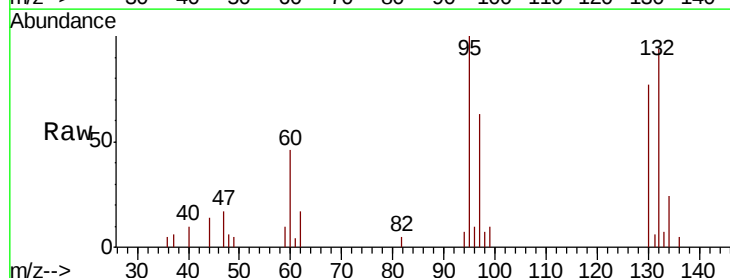
Instrument :
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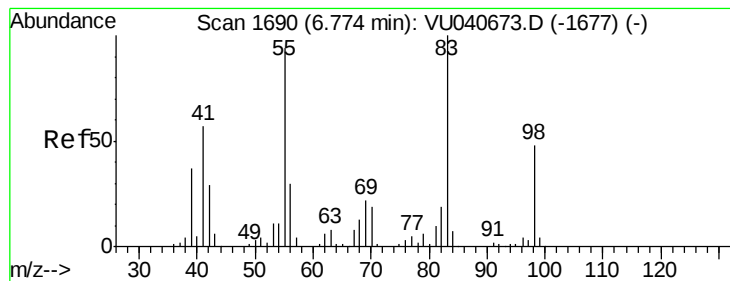
Tot Ion: 62 Resp: 8620
 Ion Ratio Lower Upper
 62 100
 98 6.9 6.6 10.0



#34
 Trichloroethene
 Concen: 0.404 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040685.D
 Acq: 13 Oct 2020 16:12

Tgt Ion: 95 Resp: 4115
 Ion Ratio Lower Upper
 95 100
 97 63.1 45.5 84.5
 132 93.7 67.5 125.4
 130 77.1 69.9 129.9





#35

Methylcyclohexane

Concen: 0.868 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040685.D

Acq: 13 Oct 2020 16:12

Instrument :

MSVOA_U

ClientSampleId :

ETZ07

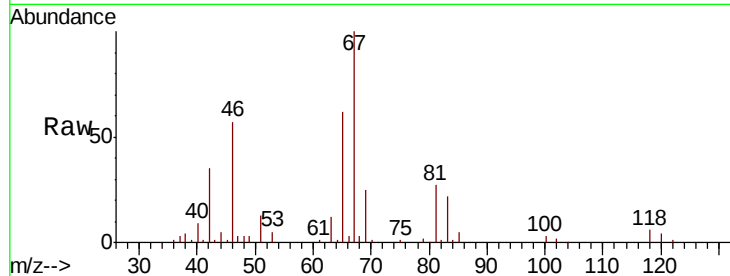
Tot Ion: 83 Resp: 12535

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

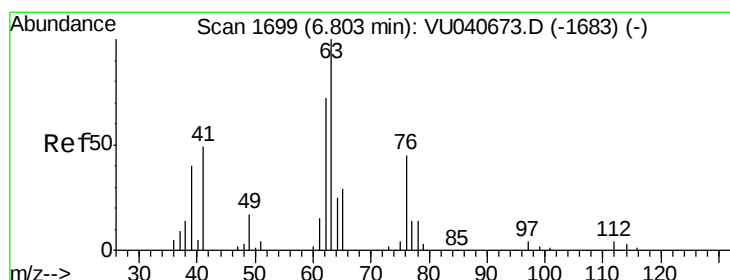
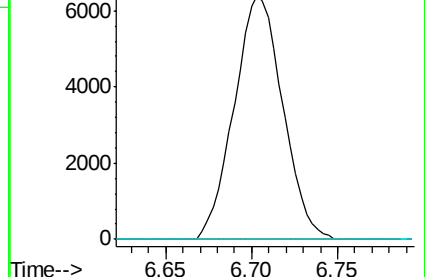
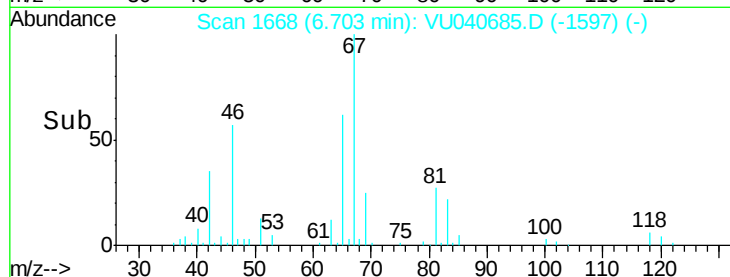
98 1.5 38.4 57.6#



Abundance Ion 83.15 (82.85 to 83.85): VU040685.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040685.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040685.D (-1597) (-)



#37

1,2-Dichloropropane

Concen: 0.611 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040685.D

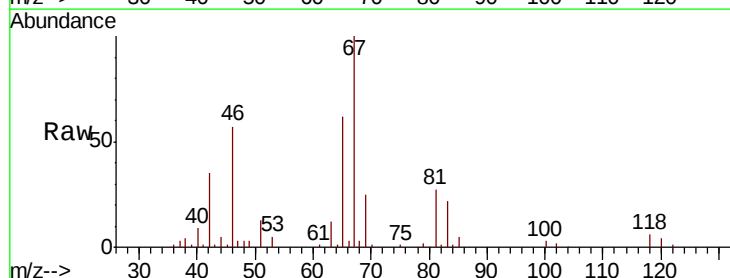
Acq: 13 Oct 2020 16:12

Tgt Ion: 63 Resp: 6690

Ion Ratio Lower Upper

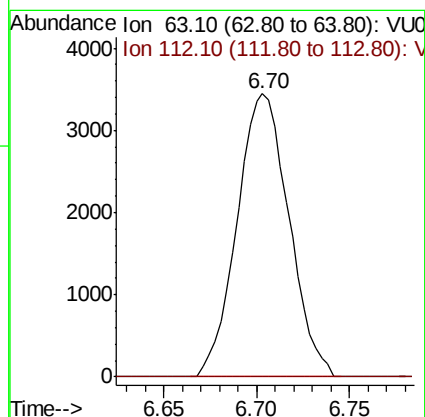
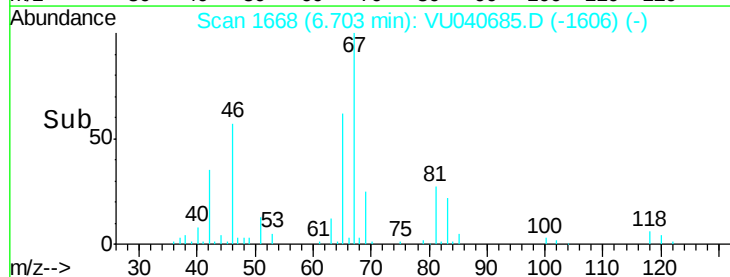
63 100

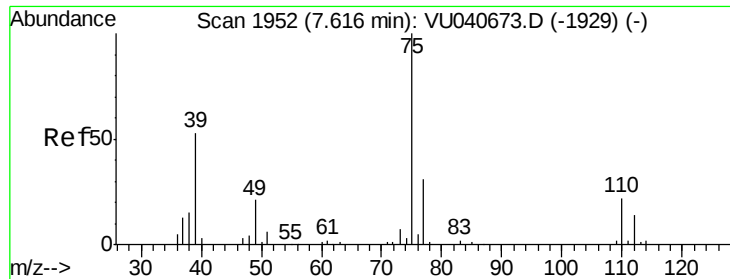
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU040685.D (-1606) (-)

Ion 112.10 (111.80 to 112.80): VU040685.D (-1606) (-)

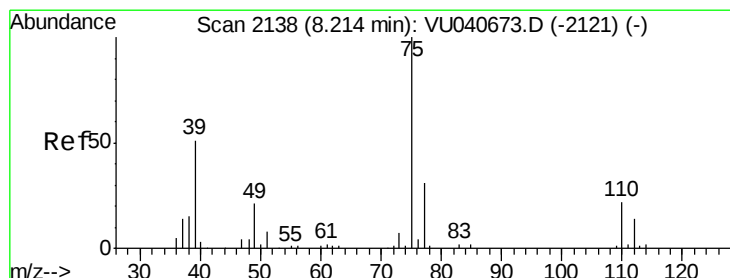
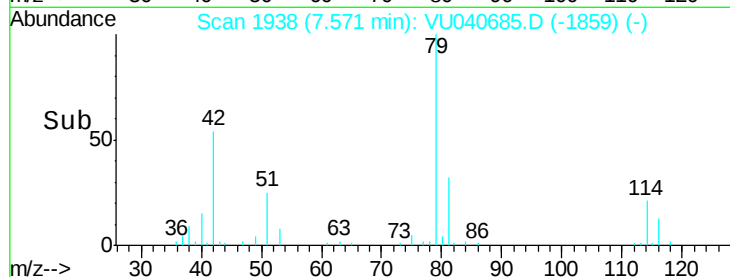
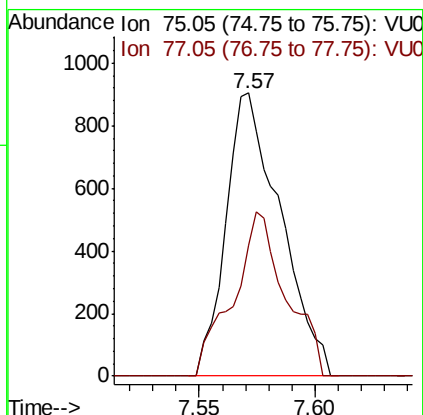
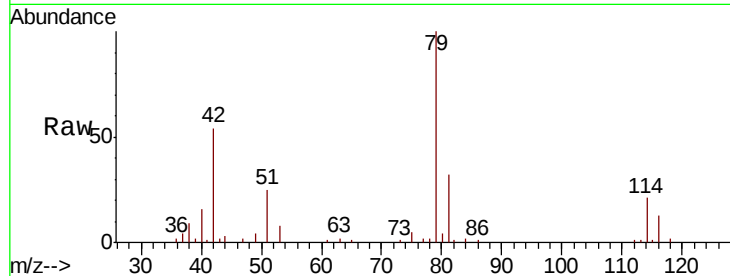




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU040685.D
 Acq: 13 Oct 2020 16:12

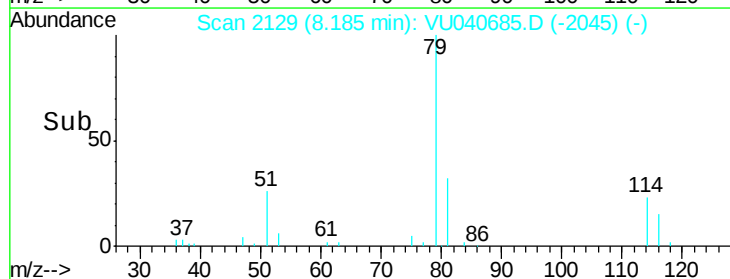
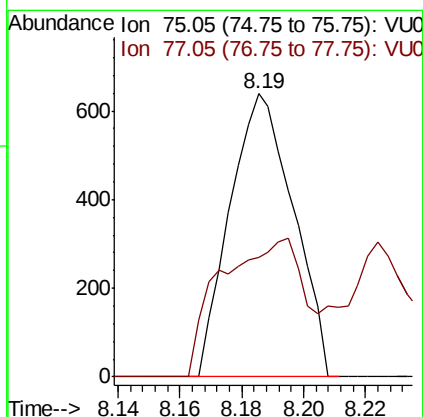
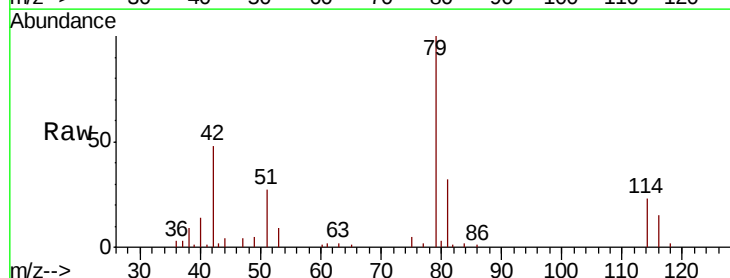
Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ07

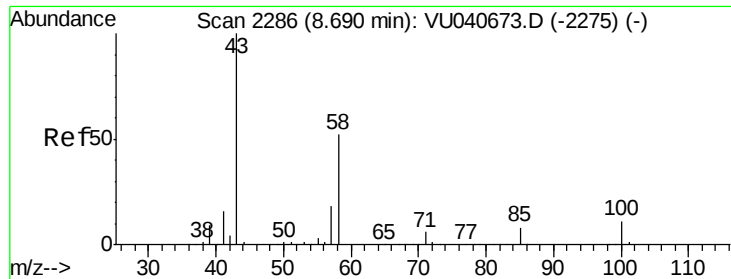
Tot Ion: 75 Resp: 1475
 Ion Ratio Lower Upper
 75 100
 77 46.5 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.066 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040685.D
 Acq: 13 Oct 2020 16:12

Tgt Ion: 75 Resp: 911
 Ion Ratio Lower Upper
 75 100
 77 42.2 20.4 38.0#

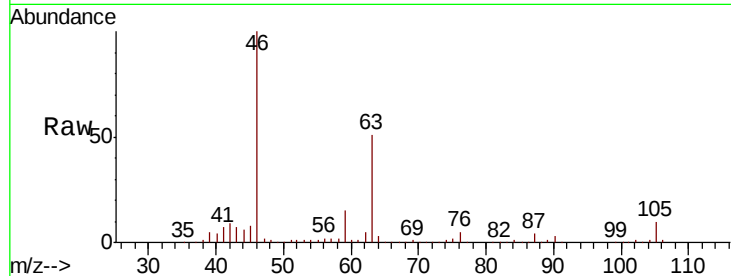




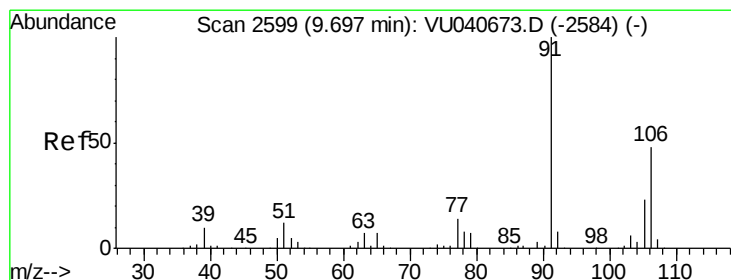
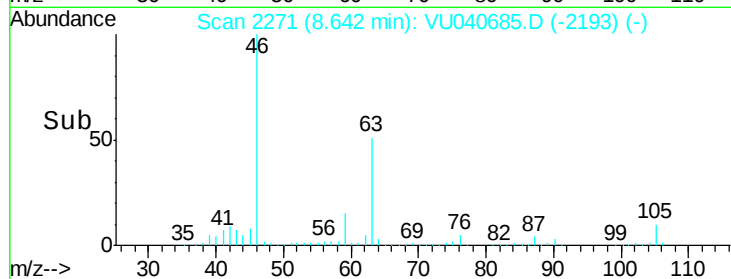
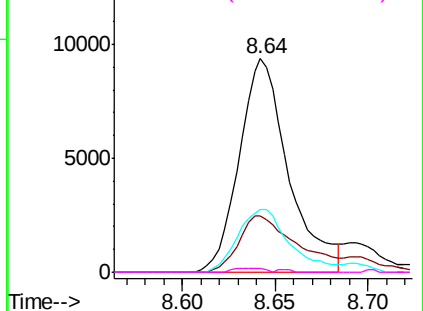
#48
2-Hexanone
Concen: 2.673 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040685.D
Acq: 13 Oct 2020 16:12

Instrument :
MSVOA_U
ClientSampleId :
ETZ07

Tot Ion:	43	Resp:	17367
Ion	Ratio	Lower	Upper
43	100		
58	31.7	41.0	61.6#
57	30.8	14.4	21.6#
100	0.4	8.6	13.0#

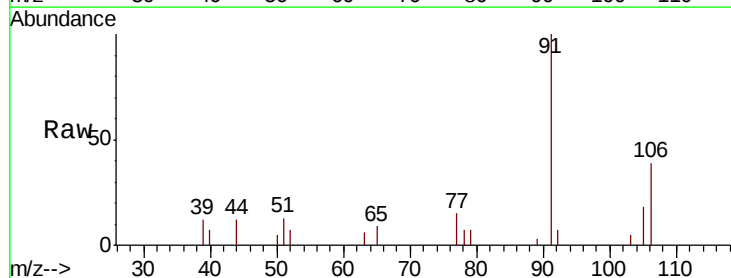


Abundance Ion 43.05 (42.75 to 43.75): VU040685.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040685.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040685.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040685.D (-2193) (-)

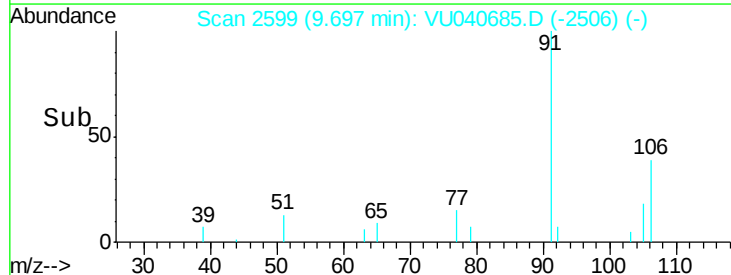
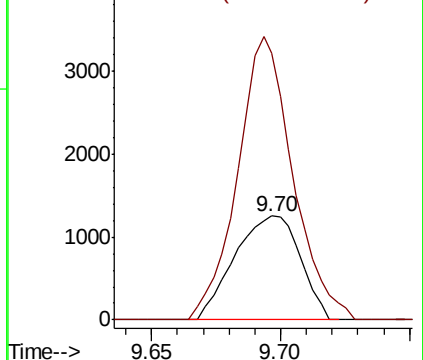


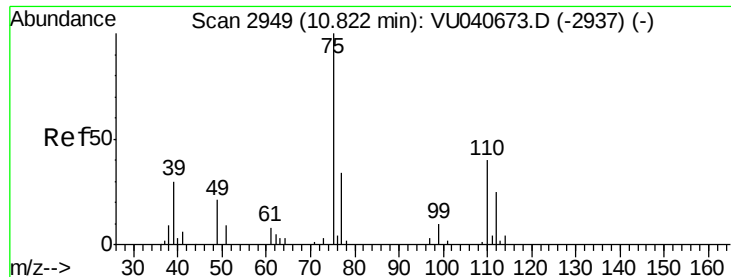
#53
m,p-Xylene
Concen: 0.140 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU040685.D
Acq: 13 Oct 2020 16:12

Tgt Ion:	106	Resp:	2218
Ion	Ratio	Lower	Upper
106	100		
91	257.2	148.5	275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040685.D (-2506) (-)
Ion 91.15 (90.85 to 91.85): VU040685.D (-2506) (-)





#59

1,2,3-Trichloropropane

Concen: 0.839 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040685.D

Acq: 13 Oct 2020 16:12

Instrument :

MSVOA_U

ClientSampleId :

ETZ07

Tot Ion: 75 Resp: 6744

Ion Ratio Lower Upper

75 100

77 37.0 26.4 39.6

