

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040847.D
 Acq On : 20 Oct 2020 14:51
 Operator : SY/MD
 Sample : L4420-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH5

Quant Time: Oct 20 23:57:55 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	119549	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123552	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53014	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42903	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.92	69	38270	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	66078	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.65	46	165760	52.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.58%
24) Chloroform-d	5.08	84	88399	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.72	65	51872	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.74	84	156568	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	54252	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.91	98	127476	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.19	79	20714	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.64	63	114103	47.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48018	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51169	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	1538	0.152 ug/L #	65
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	517	0.052 ug/L #	20
13) Acetone	2.67	43	2346	0.955 ug/L	81
14) Carbon disulfide	2.81	76	11718	0.491 ug/L #	95
25) Chloroform	5.11	83	35402	1.878 ug/L	100
27) 1,2-Dichloroethane	5.74	62	809	0.061 ug/L #	77
33) Benzene	5.74	78	1498	0.038 ug/L	100
34) Trichloroethene	6.27	95	2119	0.206 ug/L #	5
35) Methylcyclohexane	6.70	83	12931	0.886 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6391	0.578 ug/L #	87
38) Bromodichloromethane	7.11	83	3119	0.221 ug/L	92
39) cis-1,3-Dichloropropene	7.57	75	1395	0.092 ug/L #	46
42) Toluene	7.97	91	2225	0.055 ug/L	95
44) trans-1,3-Dichloropropene	8.18	75	935	0.067 ug/L #	77
48) 2-Hexanone	8.64	43	17276	2.632 ug/L #	79
53) m,p-Xylene	9.69	106	805	0.050 ug/L	90
59) 1,2,3-Trichloropropane	11.81	75	7238	0.891 ug/L	91

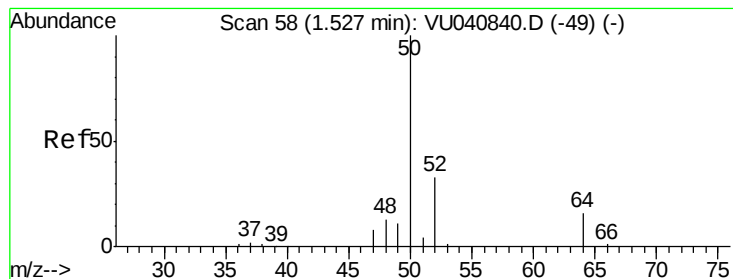
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102020\
Data File : VU040847.D
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Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 23:49:45 2020
Response via : Initial Calibration

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



#3

Chloromethane

Concen: 0.152 ug/L

RT: 1.52 min Scan# 56

Delta R.T. -0.01 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

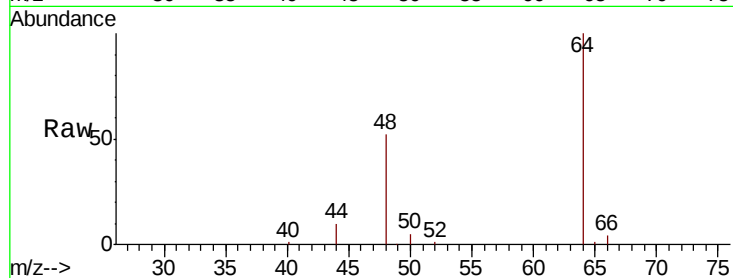
C0AH5

Tot Ion: 50 Resp: 1538

Ion Ratio Lower Upper

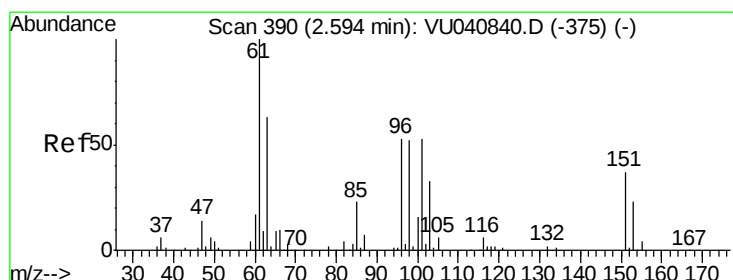
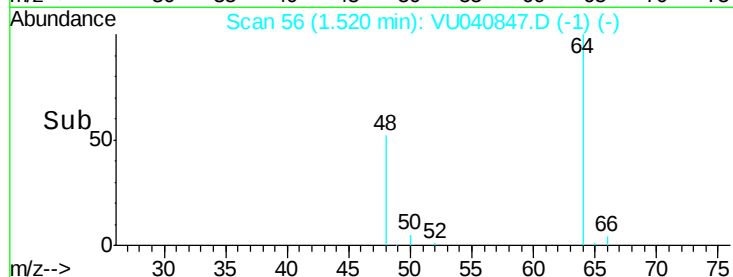
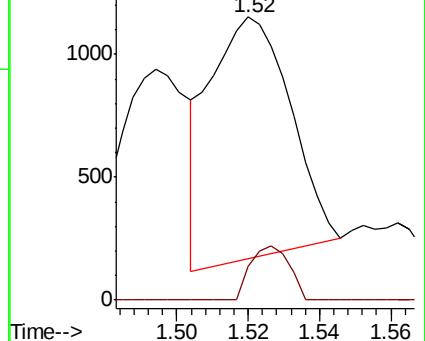
50 100

52 12.0 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU040847.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040847.D (-1) (-)



#10

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

Concen: 0.052 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

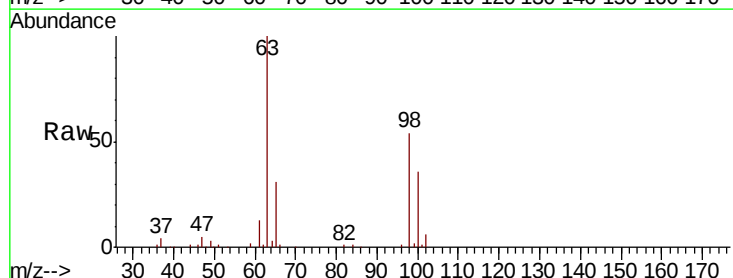
Tgt Ion:101 Resp: 517

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

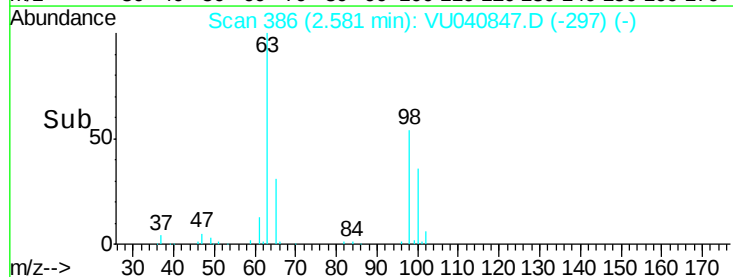
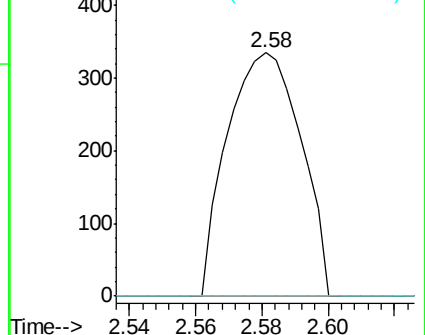
151 0.0 58.0 87.0#

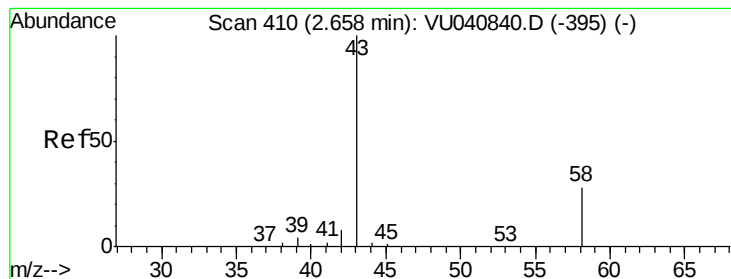


Abundance Ion 101.00 (100.70 to 101.70): VU040847.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040847.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040847.D (-297) (-)





#13

Acetone

Concen: 0.955 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

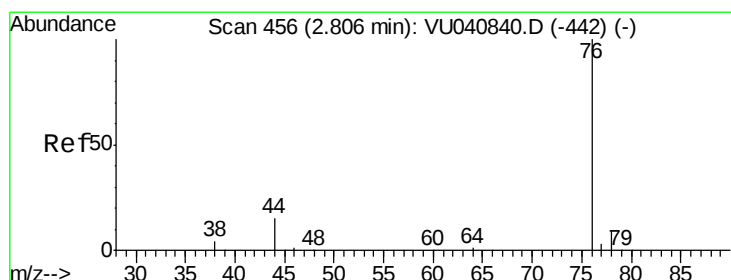
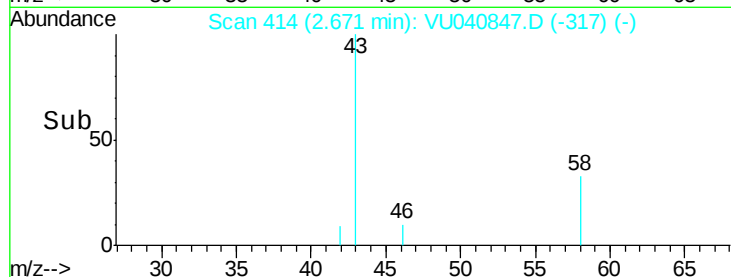
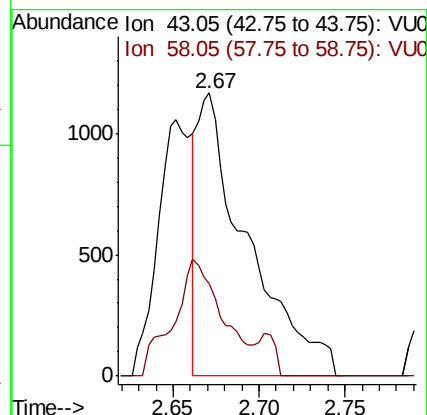
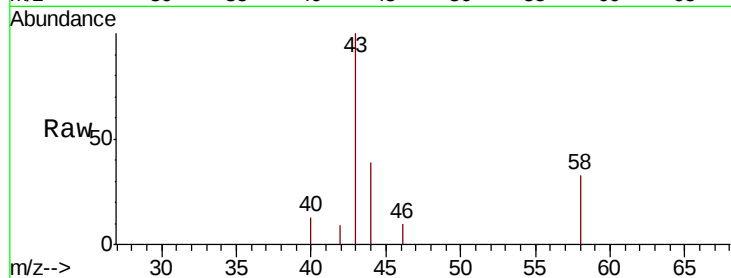
C0AH5

Tot Ion: 43 Resp: 2346

Ion Ratio Lower Upper

43 100

58 40.5 0.0 60.6



#14

Carbon disulfide

Concen: 0.491 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040847.D

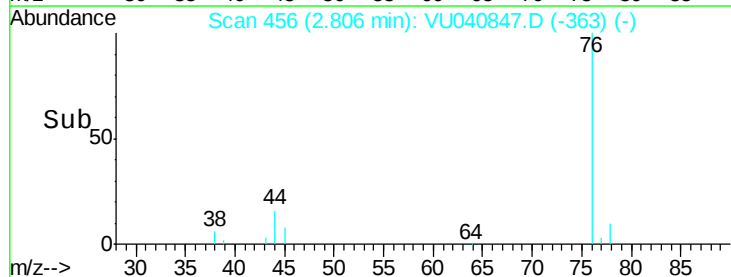
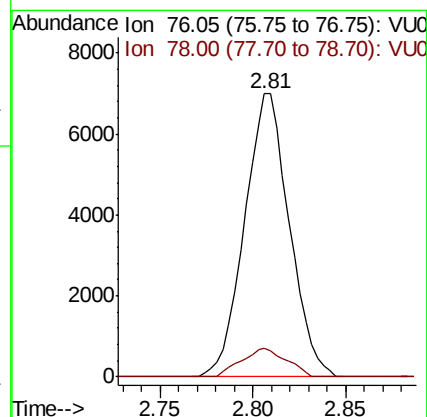
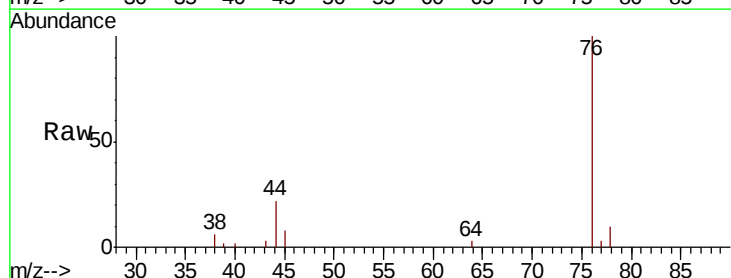
Acq: 20 Oct 2020 14:51

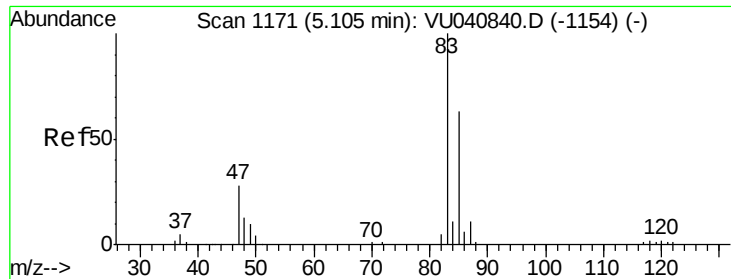
Tgt Ion: 76 Resp: 11718

Ion Ratio Lower Upper

76 100

78 10.3 6.8 10.2#

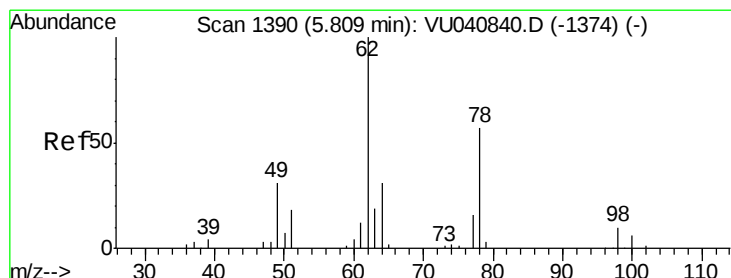
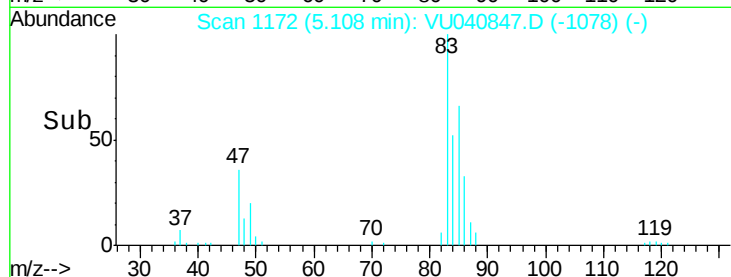
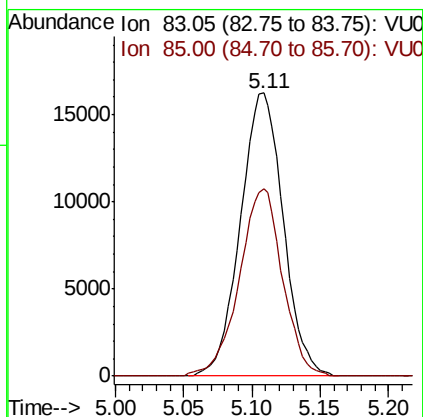
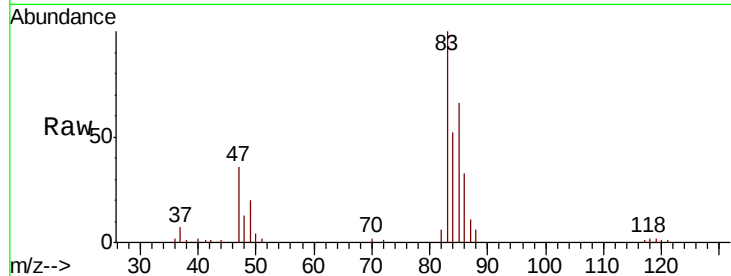




#25
Chloroform
Concen: 1.878 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040847.D
Acq: 20 Oct 2020 14:51

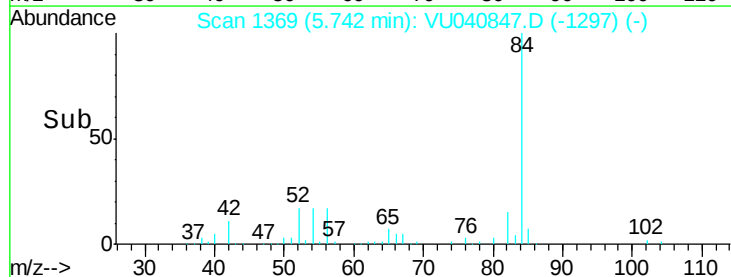
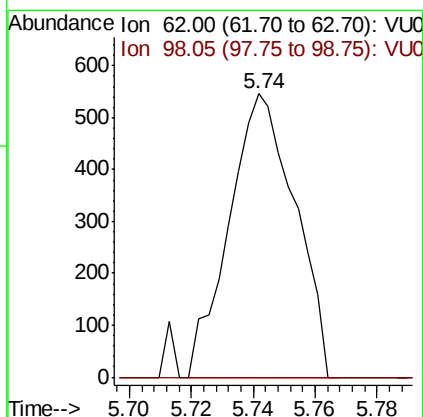
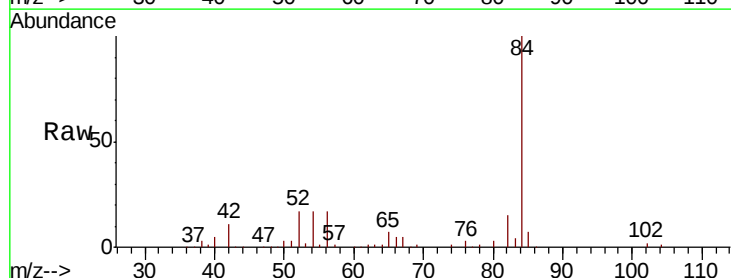
Instrument :
MSVOA_U
ClientSampleId :
C0AH5

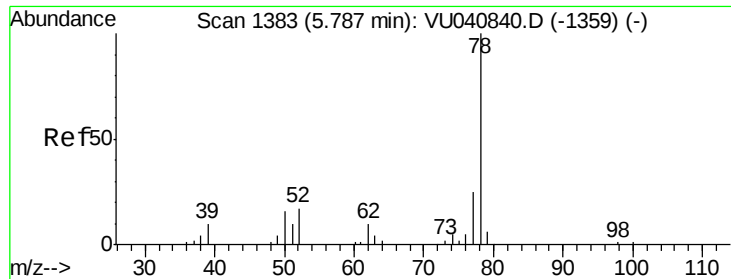
Tot Ion: 83 Resp: 35402
Ion Ratio Lower Upper
83 100
85 66.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.061 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.07 min
Lab File: VU040847.D
Acq: 20 Oct 2020 14:51

Tgt Ion: 62 Resp: 809
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 0.038 ug/L

RT: 5.74 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

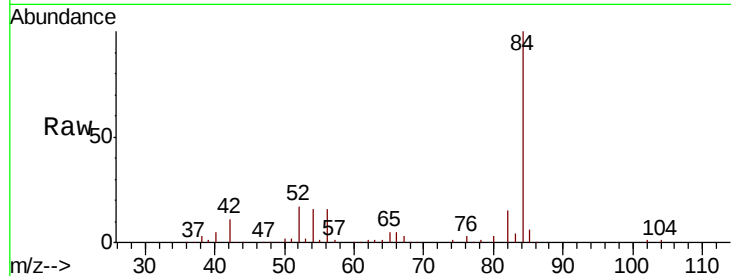
Instrument :

MSVOA_U

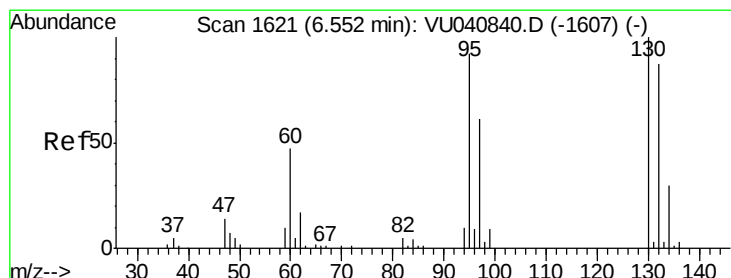
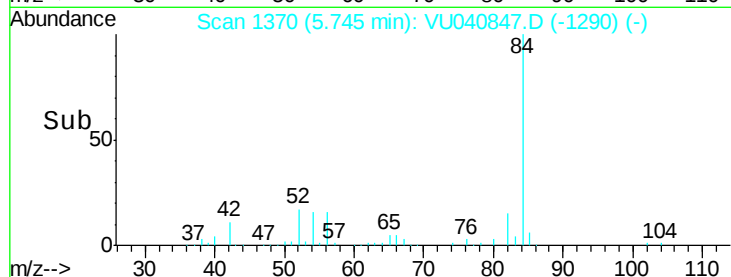
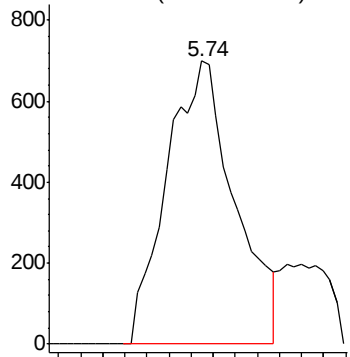
ClientSampleId :

C0AH5

Tgt Ion: 78 Resp: 1498



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.206 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.29 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

Tgt Ion: 95 Resp: 2119

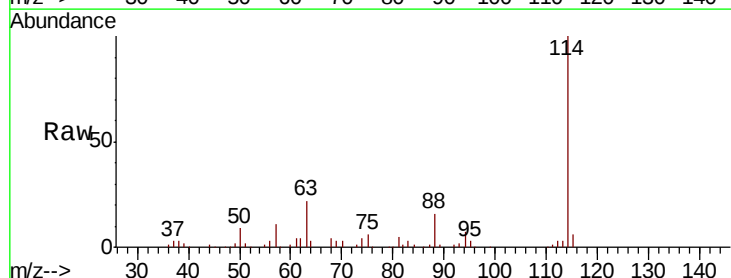
Ion Ratio Lower Upper

95 100

97 0.0 45.5 84.5#

132 0.0 67.5 125.4#

130 0.0 69.9 129.9#

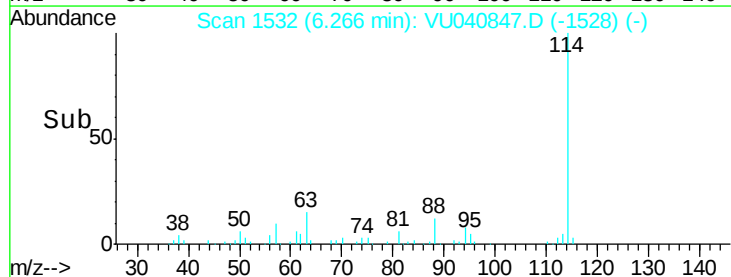
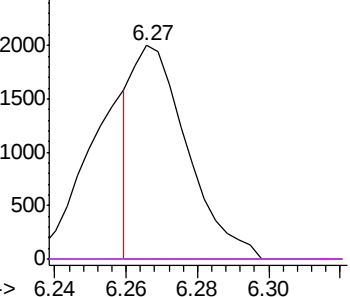


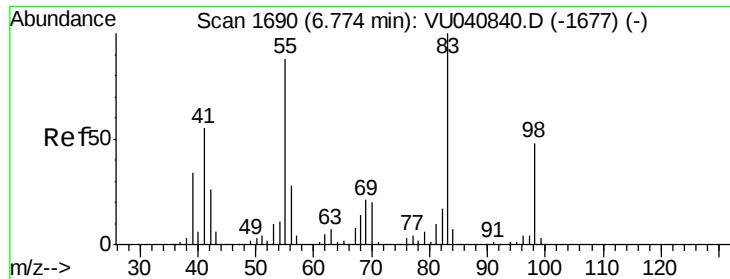
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methvlcvclohexane

Concen: 0.886 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

C0AH5

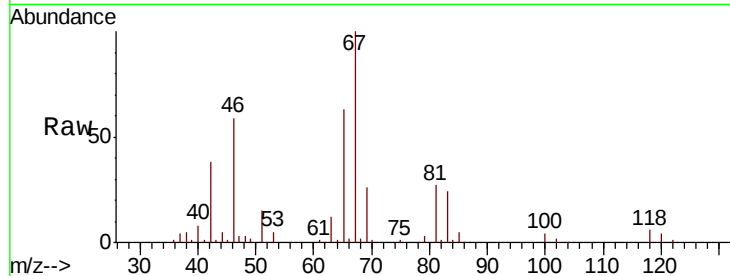
Tot Ion: 83 Resp: 12931

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

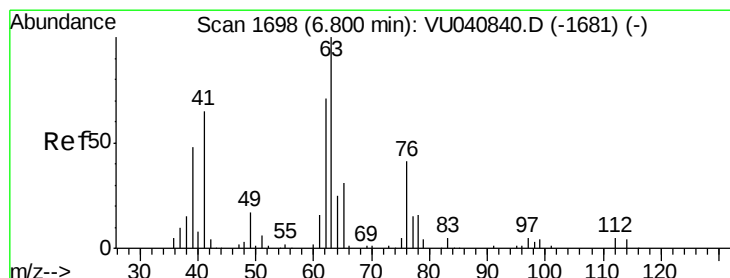
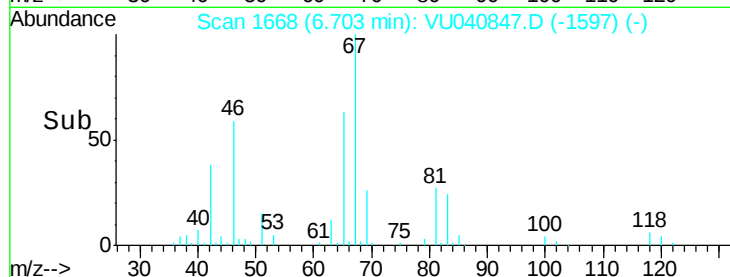
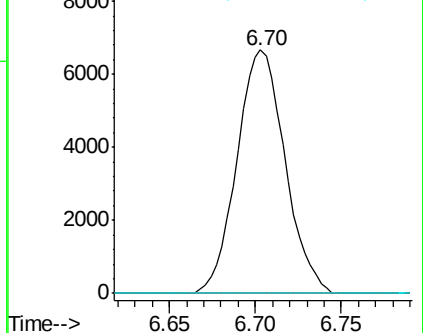
98 0.0 38.4 57.6#



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: 0.578 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040847.D

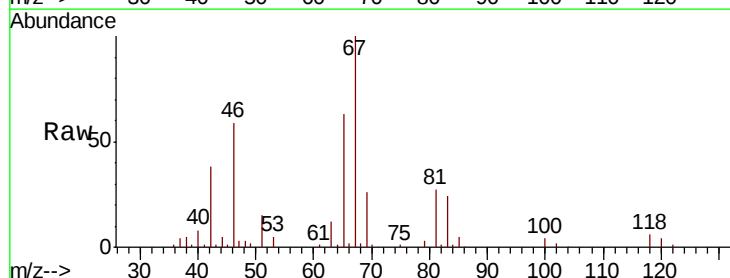
Acq: 20 Oct 2020 14:51

Tgt Ion: 63 Resp: 6391

Ion Ratio Lower Upper

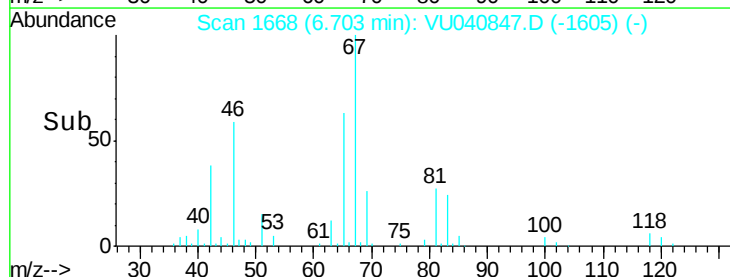
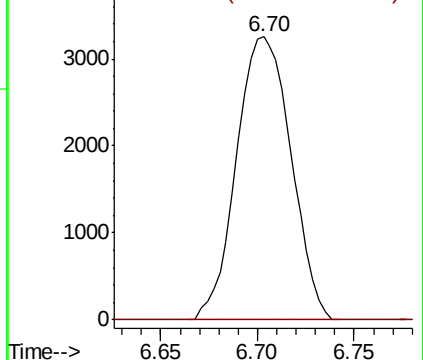
63 100

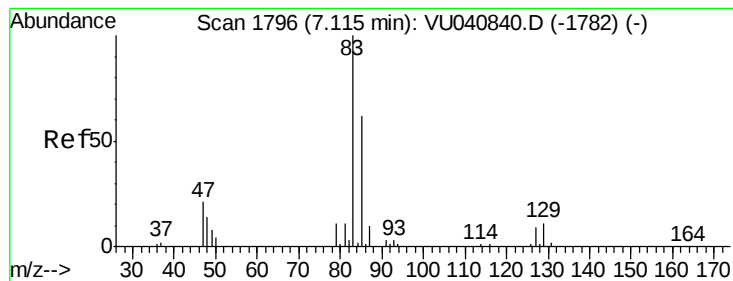
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.221 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

C0AH5

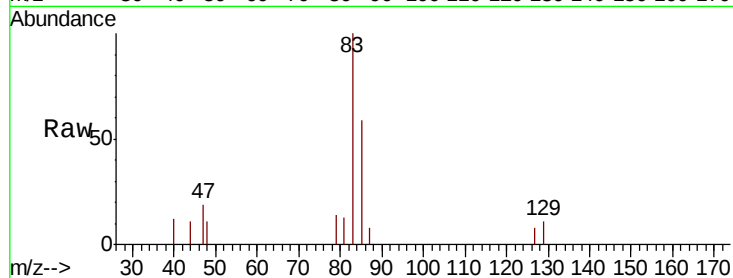
Tot Ion: 83 Resp: 3119

Ion Ratio Lower Upper

83 100

85 59.2 46.0 85.4

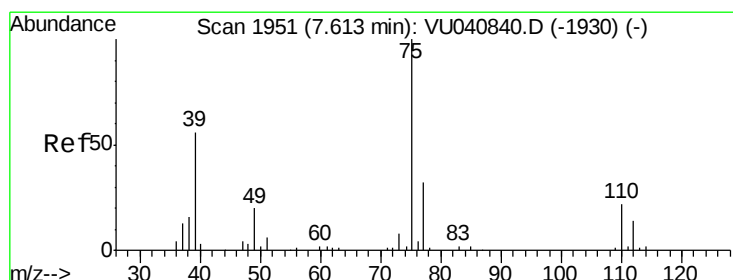
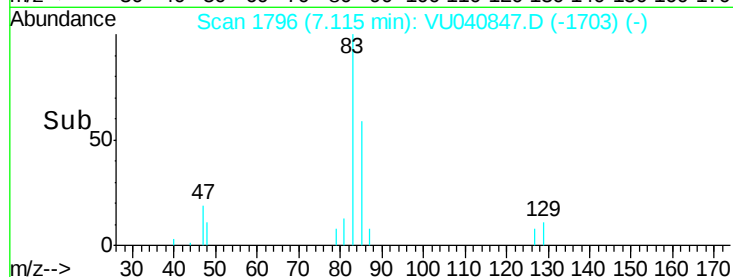
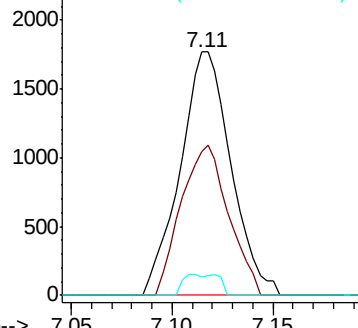
127 7.6 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040847.D

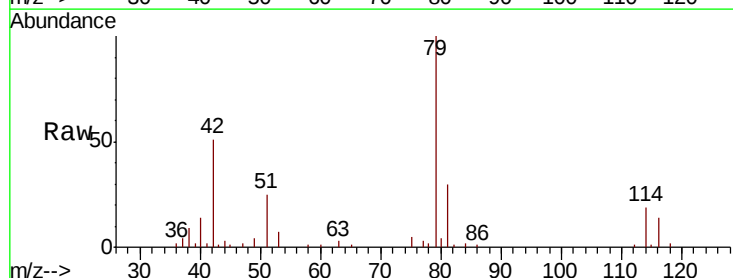
Acq: 20 Oct 2020 14:51

Tgt Ion: 75 Resp: 1395

Ion Ratio Lower Upper

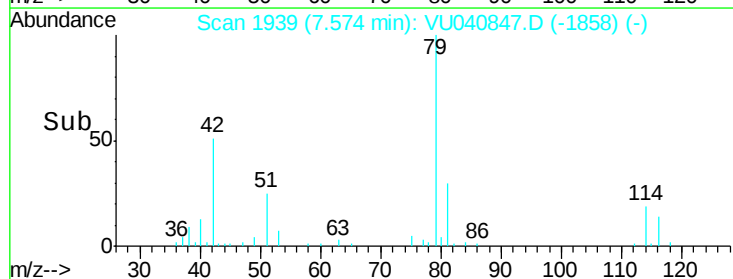
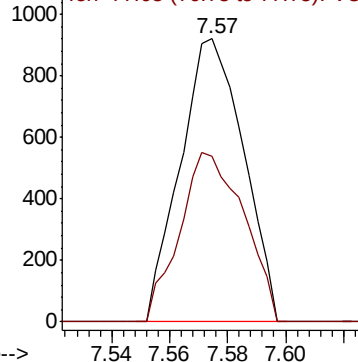
75 100

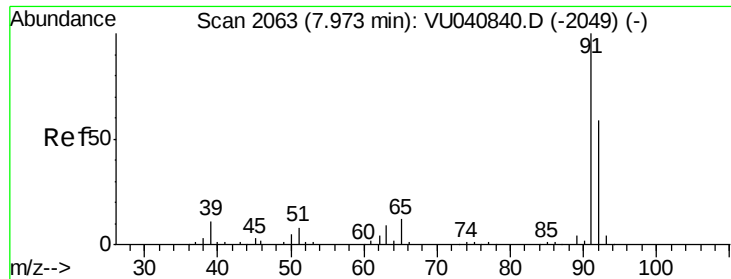
77 58.4 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.055 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampled :

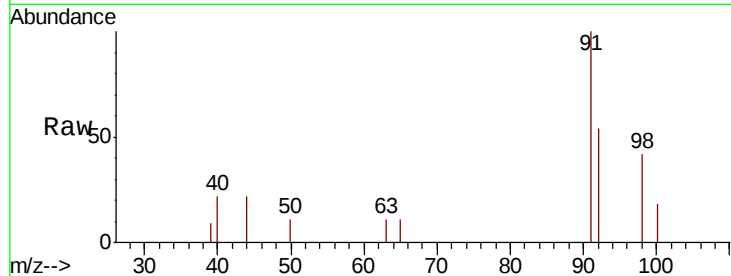
C0AH5

Tot Ion: 91 Resp: 2225

Ion Ratio Lower Upper

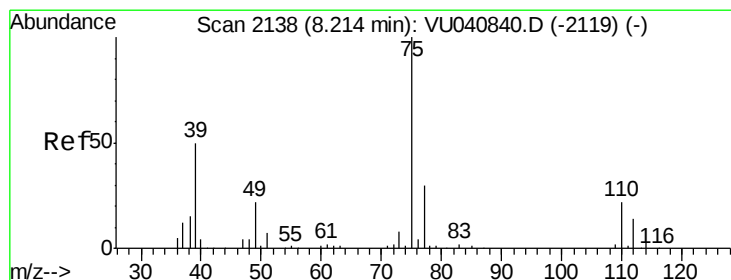
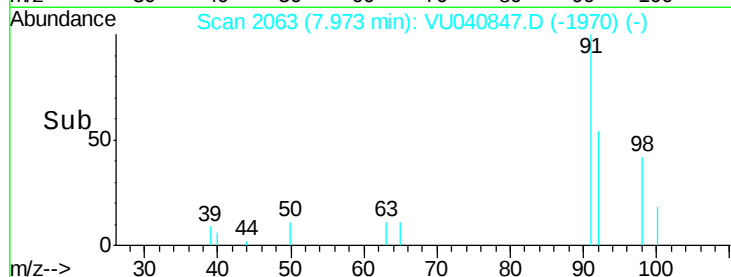
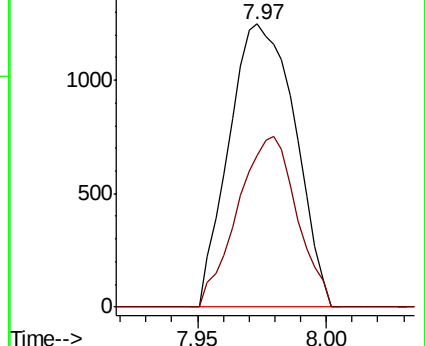
91 100

92 53.7 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: 0.067 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040847.D

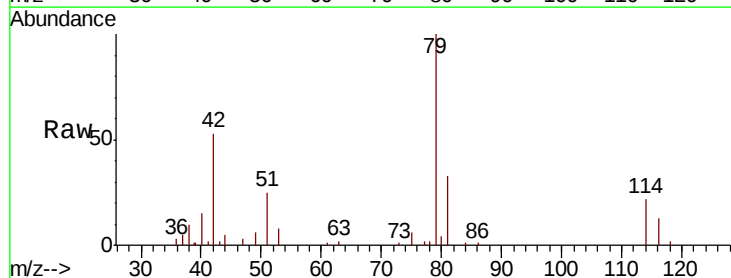
Acq: 20 Oct 2020 14:51

Tgt Ion: 75 Resp: 935

Ion Ratio Lower Upper

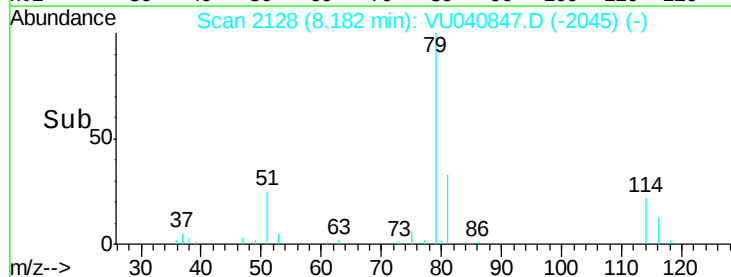
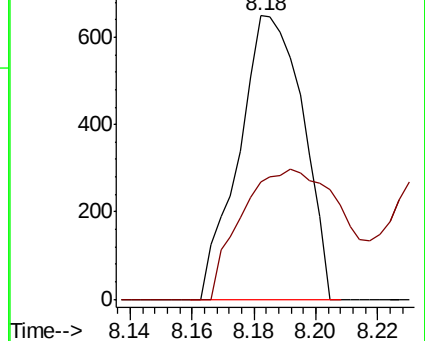
75 100

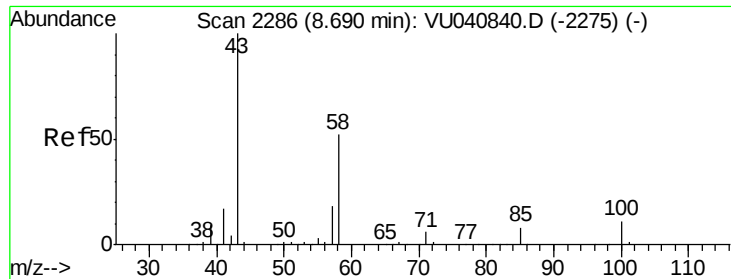
77 41.4 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

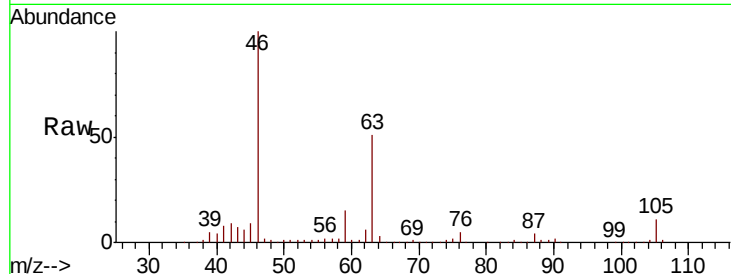




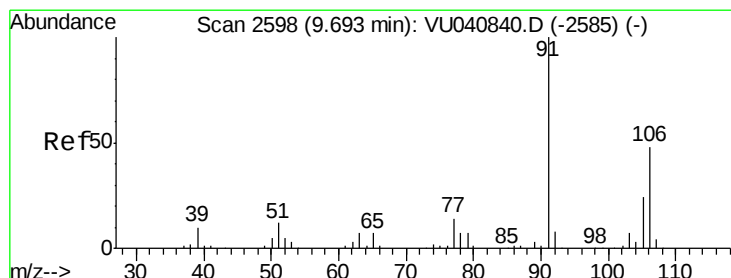
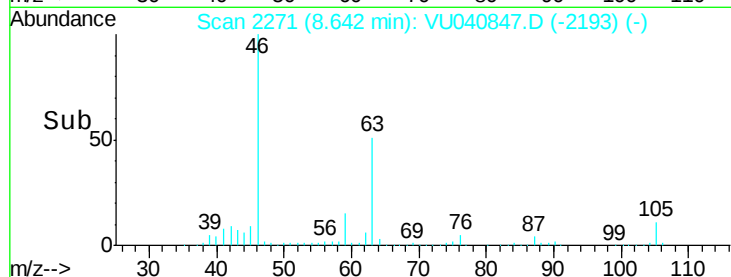
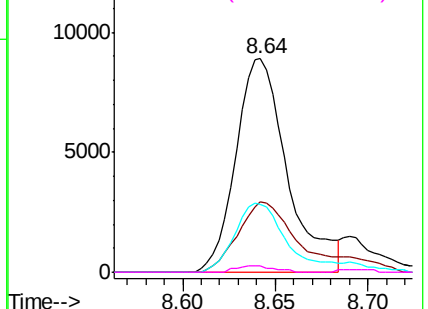
#48
2-Hexanone
Concen: 2.632 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040847.D
Acq: 20 Oct 2020 14:51

Instrument :
MSVOA_U
ClientSampleId :
C0AH5

Tot Ion: 43 Resp: 17276
Ion Ratio Lower Upper
43 100
58 41.3 41.0 61.6
57 35.0 14.4 21.6#
100 2.2 8.6 13.0#

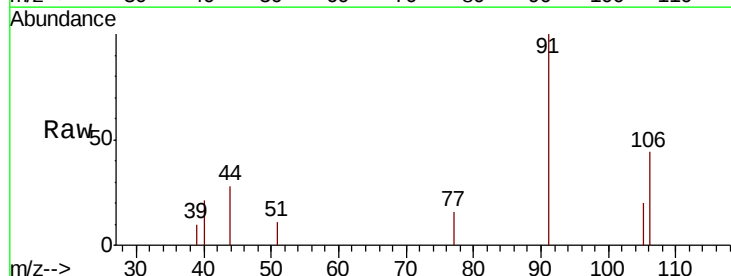


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

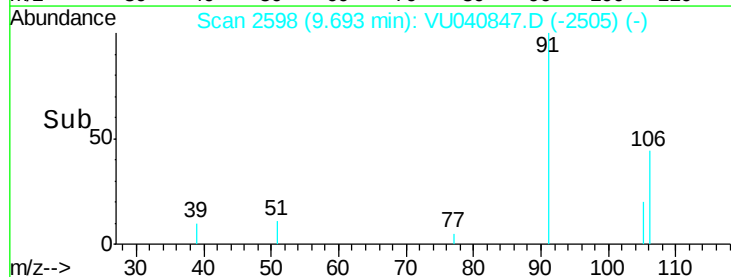
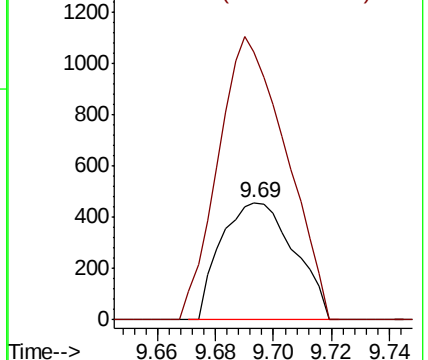


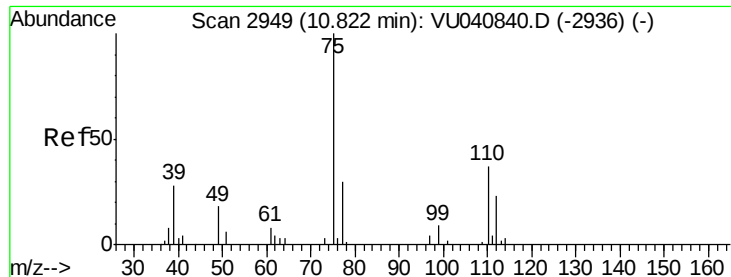
#53
m,p-Xylene
Concen: 0.050 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040847.D
Acq: 20 Oct 2020 14:51

Tgt Ion: 106 Resp: 805
Ion Ratio Lower Upper
106 100
91 228.5 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.891 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040847.D

Acq: 20 Oct 2020 14:51

Instrument :

MSVOA_U

ClientSampleId :

C0AH5

Tot Ion: 75 Resp: 7238

Ion Ratio Lower Upper

75 100

77 38.3 26.4 39.6

