

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040820.D
 Acq On : 19 Oct 2020 21:55
 Operator : SY/MD
 Sample : L4420-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AG7

Quant Time: Oct 20 05:19:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116114	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121570	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50055	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27676	2.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.60%
7) Chloroethane-d5	1.92	69	29180	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.58	63	47854	2.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.80%#
20) 2-Butanone-d5	4.67	46	135025	43.86	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.72%
24) Chloroform-d	5.08	84	80044	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.72	65	49684	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.74	84	133508	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.40%
36) 1,2-Dichloropropane-d6	6.70	67	48878	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.91	98	98600	3.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.20%#
43) trans-1,3-Dichloropropene-	8.19	79	18041	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.64	63	113882	47.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47806	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	47046	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

				Ovalue
3) Chloromethane	1.53	50	2054	0.209 ug/L # 43
5) Vinyl chloride	1.41	62	826	0.080 ug/L 84
8) Chloroethane	2.00	64	4118	0.624 ug/L # 49
9) Trichlorofluoromethane	2.37	101	35853	2.410 ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	35853	3.712 ug/L # 20
13) Acetone	2.68	43	1595	0.668 ug/L 84
14) Carbon disulfide	2.81	76	9653	0.416 ug/L 99
21) 2-Butanone	4.75	43	13122	3.527 ug/L 89
22) cis-1,2-Dichloroethene	4.68	96	1265	0.135 ug/L 90
27) 1,2-Dichloroethane	5.74	62	904	0.070 ug/L # 77
34) Trichloroethene	6.56	95	1979	0.195 ug/L 89
35) Methylcyclohexane	6.71	83	11582	0.807 ug/L # 14
37) 1,2-Dichloropropane	6.70	63	5884	0.541 ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1213	0.082 ug/L # 83
44) trans-1,3-Dichloropropene	8.19	75	907	0.066 ug/L # 69
48) 2-Hexanone	8.69	43	4961	0.768 ug/L # 87
59) 1,2,3-Trichloropropane	11.81	75	6452	0.807 ug/L # 87

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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 33 Sample Multiplier: 1

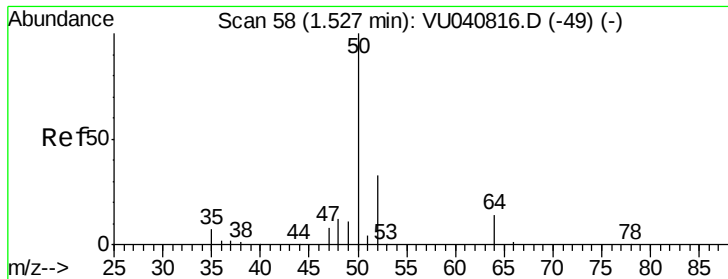
Instrument :
MSVOA_U
ClientSampleId :
C0AG7

Quant Time: Oct 20 05:19:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 05:12:18 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: 0.209 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.01 min

Lab File: VU040820.D

Acq: 19 Oct 2020 21:55

Instrument :

MSVOA_U

ClientSampleId :

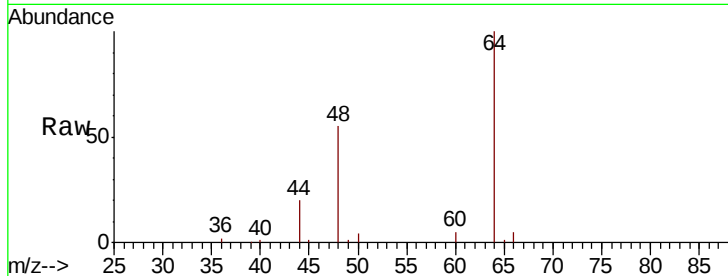
C0AG7

Tot Ion: 50 Resp: 2054

Ion Ratio Lower Upper

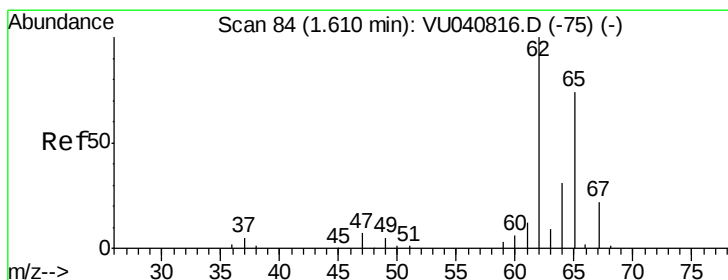
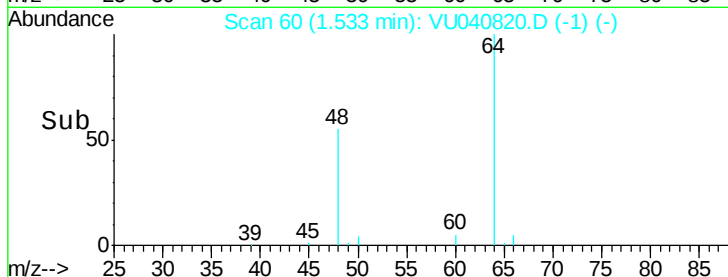
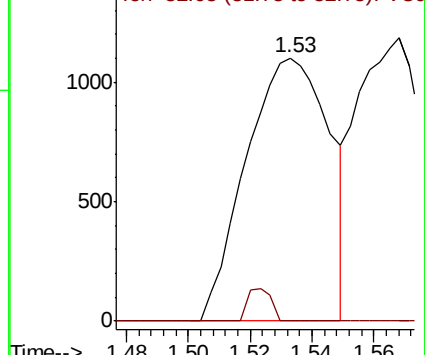
50 100

52 0.0 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: 0.080 ug/L

RT: 1.41 min Scan# 22

Delta R.T. -0.20 min

Lab File: VU040820.D

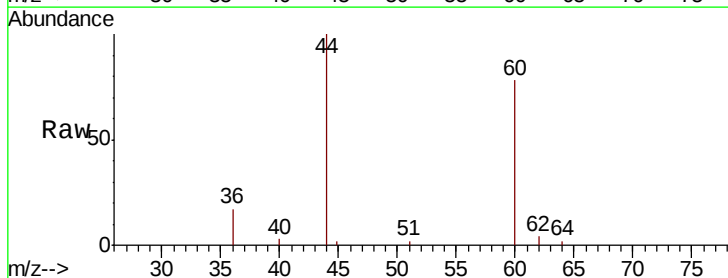
Acq: 19 Oct 2020 21:55

Tgt Ion: 62 Resp: 826

Ion Ratio Lower Upper

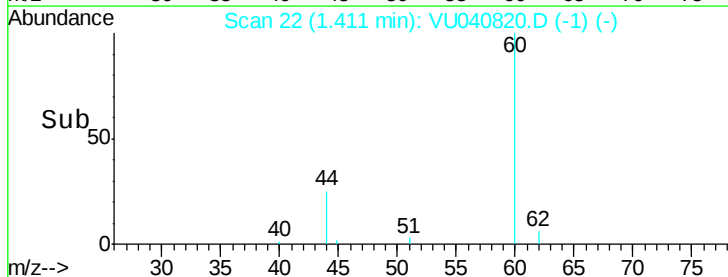
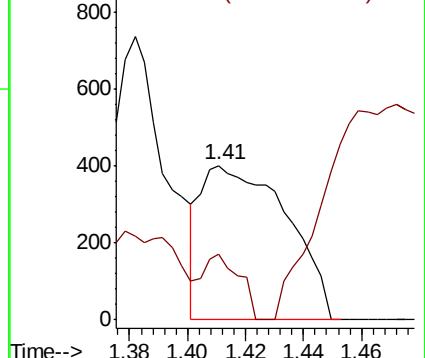
62 100

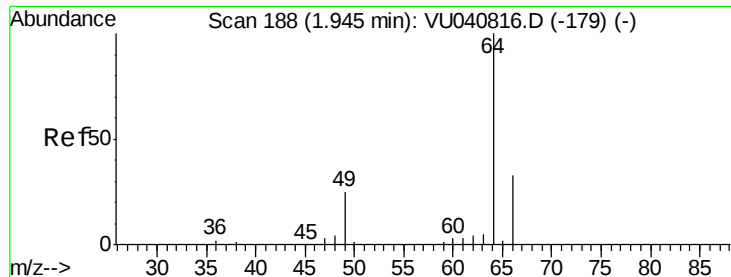
64 42.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

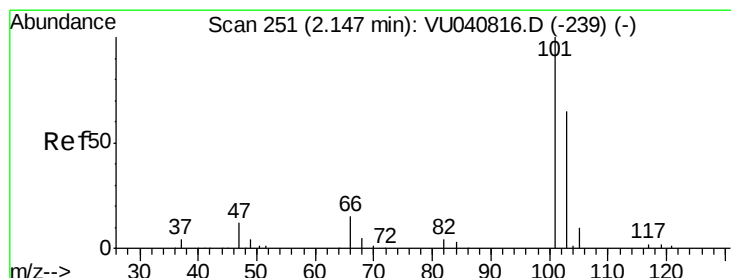
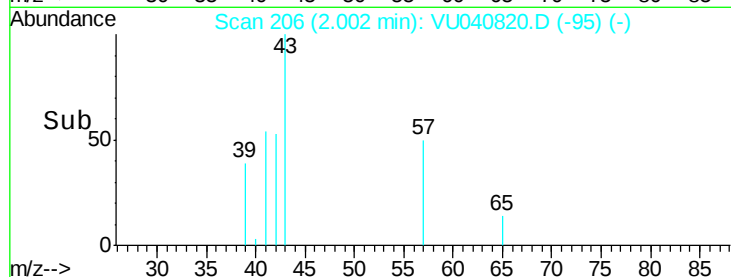
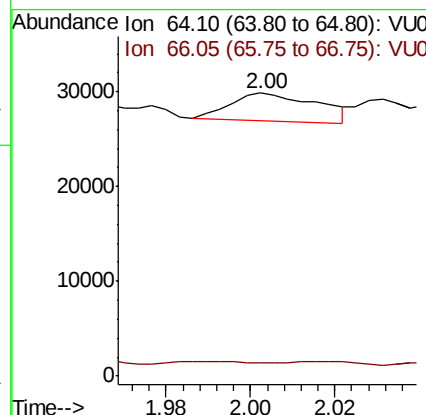
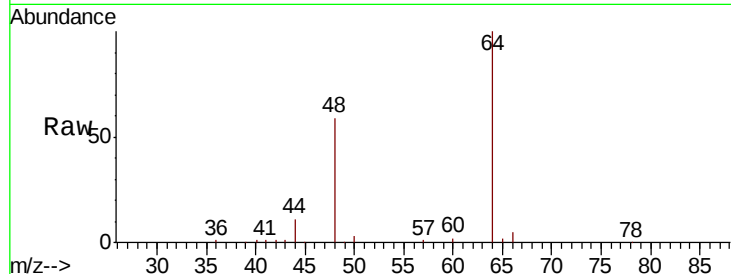




#8
Chloroethane
Concen: 0.624 ug/L
RT: 2.00 min Scan# 206
Delta R.T. 0.06 min
Lab File: VU040820.D
Acq: 19 Oct 2020 21:55

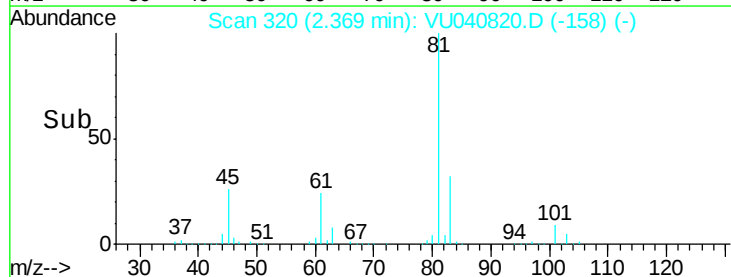
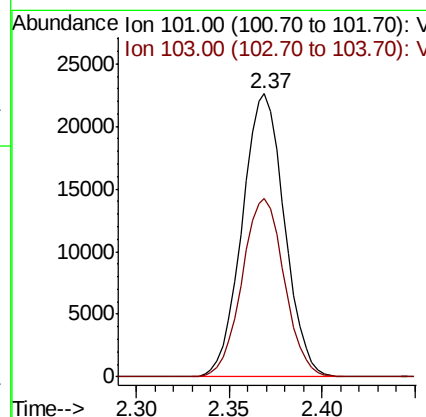
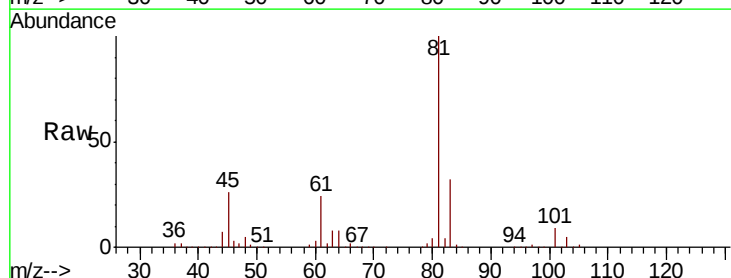
Instrument :
MSVOA_U
ClientSampleId :
C0AG7

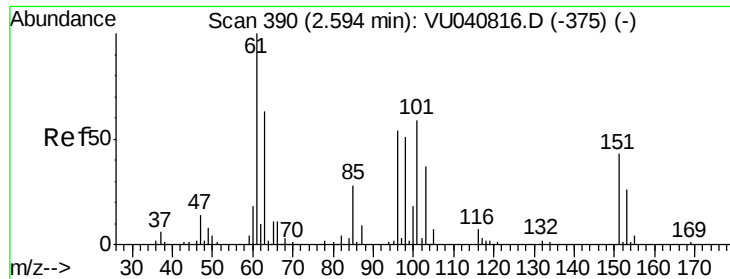
Tot Ion: 64 Resp: 4118
Ion Ratio Lower Upper
64 100
66 4.5 23.3 43.3#



#9
Trichlorofluoromethane
Concen: 2.410 ug/L
RT: 2.37 min Scan# 320
Delta R.T. 0.22 min
Lab File: VU040820.D
Acq: 19 Oct 2020 21:55

Tgt Ion: 101 Resp: 35853
Ion Ratio Lower Upper
101 100
103 62.9 52.2 78.4





#10

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

Concen: 3.712 ug/L

RT: 2.37 min Scan# 320

Delta R.T. -0.23 min

Lab File: VU040820.D

Acq: 19 Oct 2020 21:55

Instrument :

MSVOA_U

ClientSampleId :

C0AG7

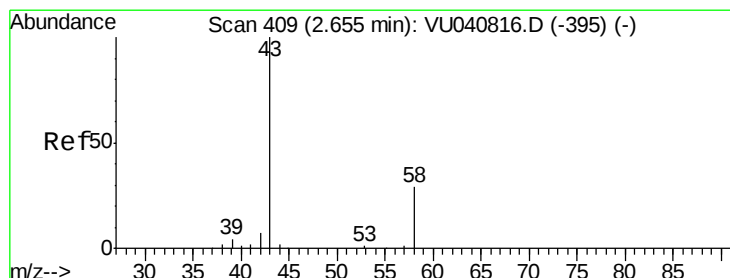
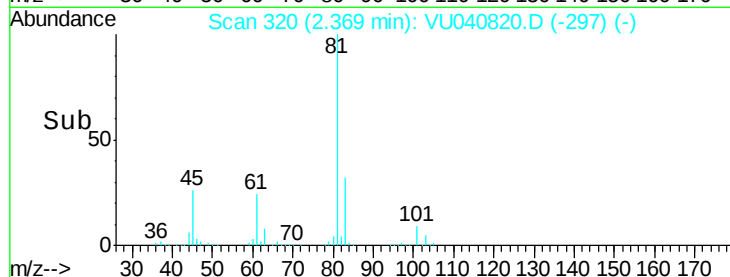
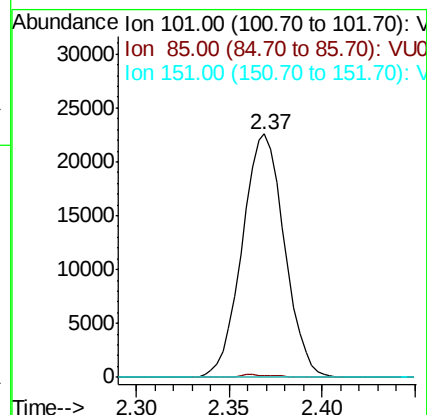
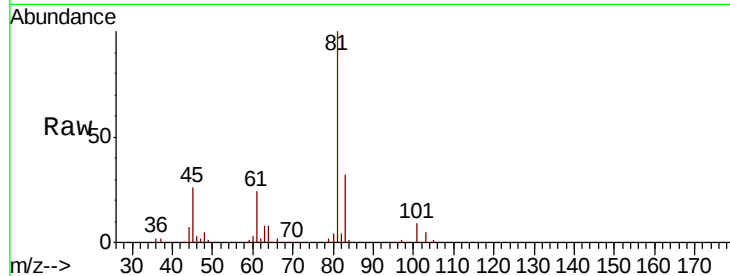
Tot Ion:101 Resp: 35853

Ion Ratio Lower Upper

101 100

85 0.8 36.7 55.1#

151 0.0 58.0 87.0#



#13

Acetone

Concen: 0.668 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.03 min

Lab File: VU040820.D

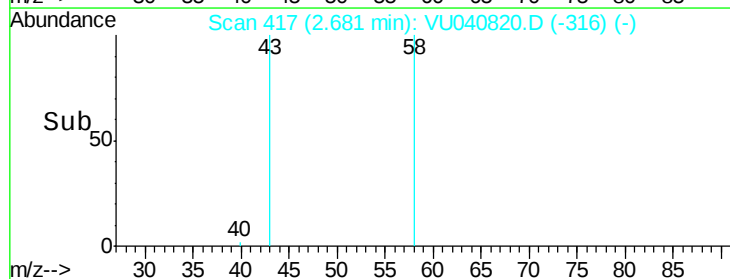
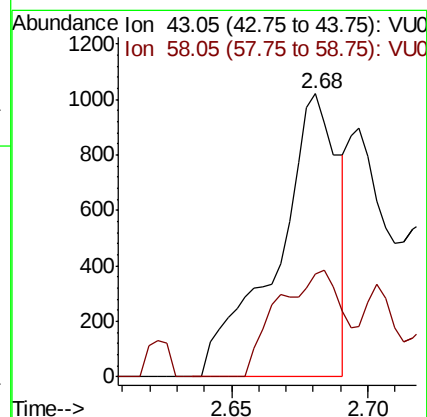
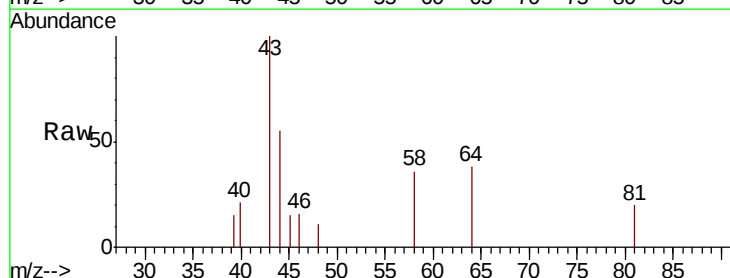
Acq: 19 Oct 2020 21:55

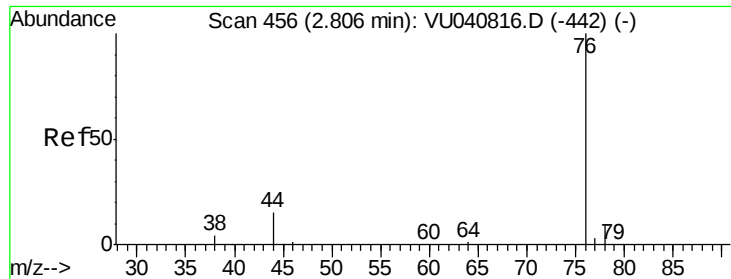
Tgt Ion: 43 Resp: 1595

Ion Ratio Lower Upper

43 100

58 39.1 0.0 60.6





#14

Carbon disulfide

Concen: 0.416 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040820.D

Acq: 19 Oct 2020 21:55

Instrument :

MSVOA_U

ClientSampleId :

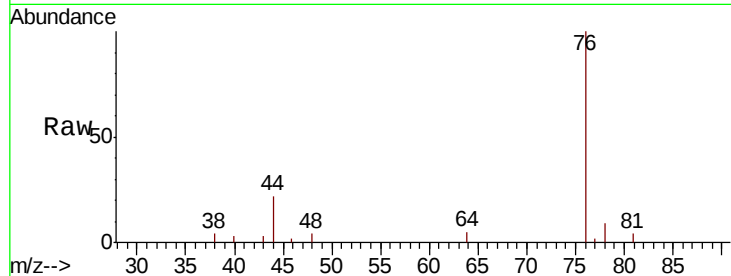
C0AG7

Tot Ion: 76 Resp: 9653

Ion Ratio Lower Upper

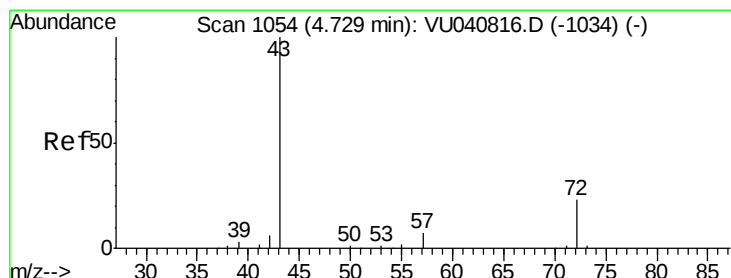
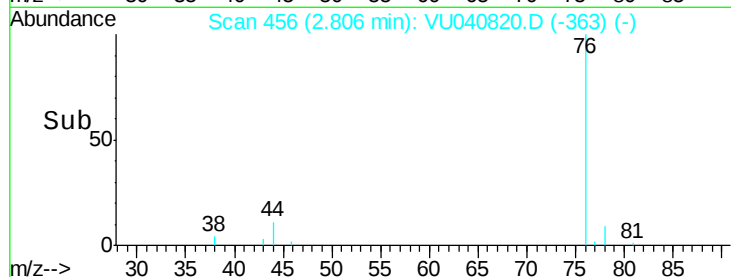
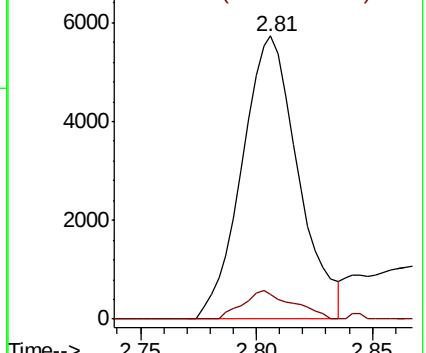
76 100

78 8.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#21

2-Butanone

Concen: 3.527 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.02 min

Lab File: VU040820.D

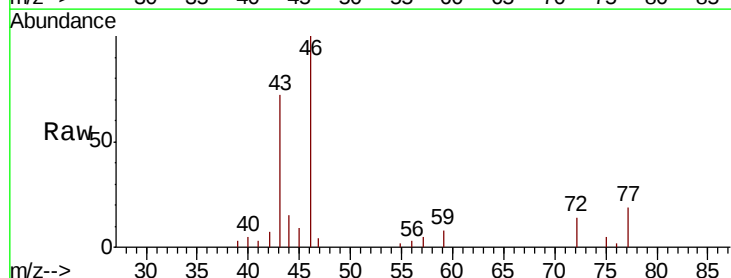
Acq: 19 Oct 2020 21:55

Tgt Ion: 43 Resp: 13122

Ion Ratio Lower Upper

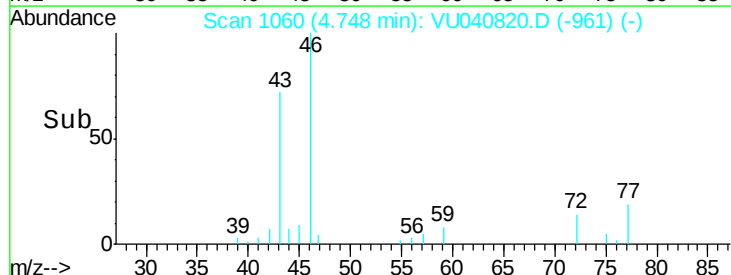
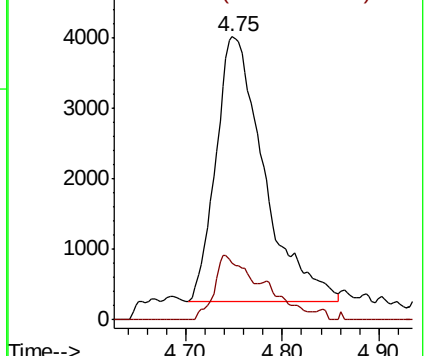
43 100

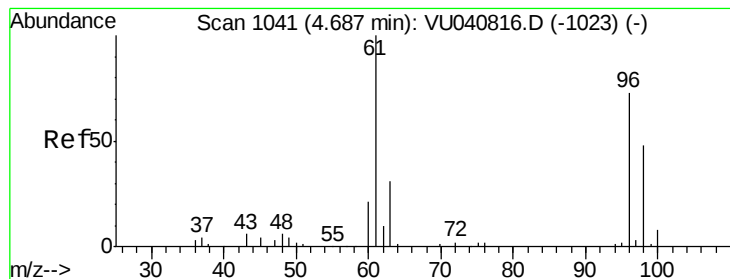
72 17.6 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.135 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040820.D

Acq: 19 Oct 2020 21:55

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MSVOA_U

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C0AG7

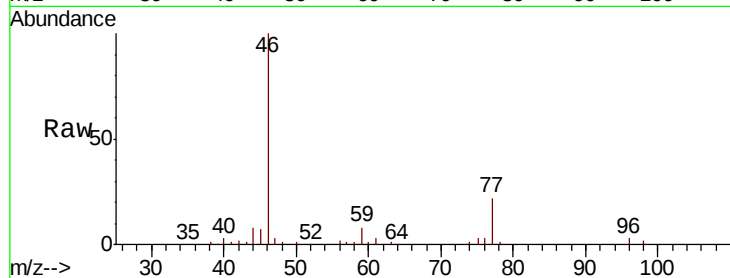
Tot Ion: 96 Resp: 1265

Ion Ratio Lower Upper

96 100

61 130.7 99.8 185.4

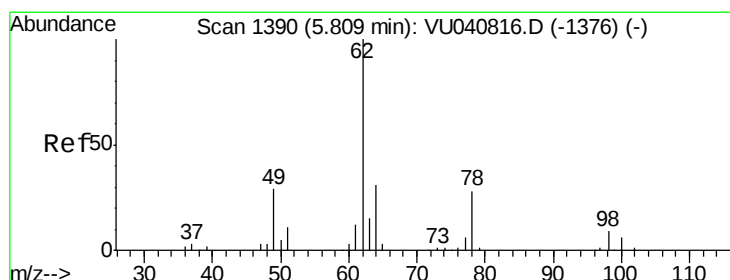
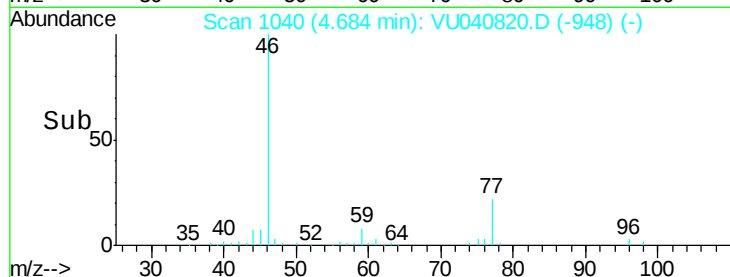
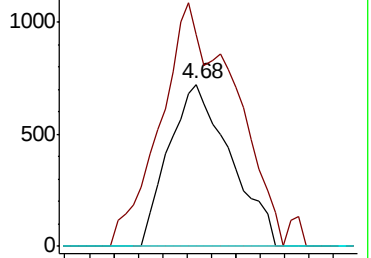
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040820.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040820.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040820.D (-948) (-)



#27

1,2-Dichloroethane

Concen: 0.070 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU040820.D

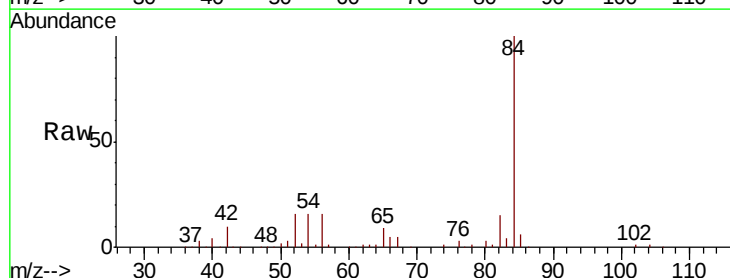
Acq: 19 Oct 2020 21:55

Tgt Ion: 62 Resp: 904

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040820.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

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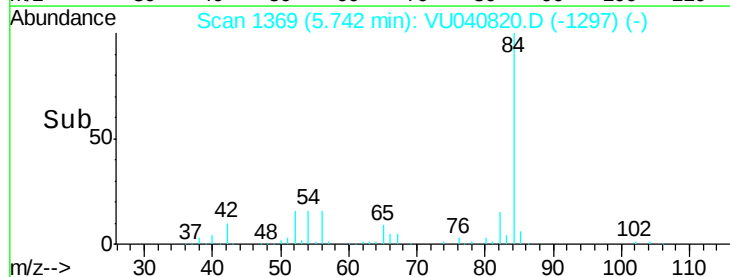
Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

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Abundance Ion 62.00 (61.70 to 62.70): VU040820.D (-1297) (-)

Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

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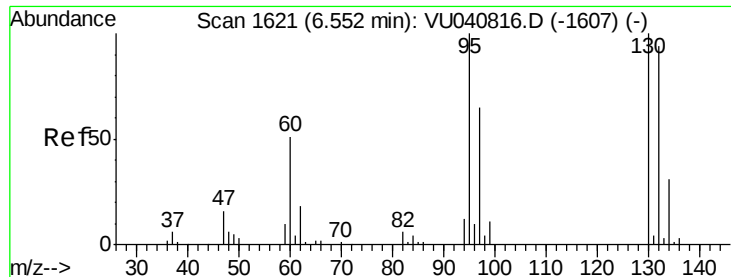
Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

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Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)

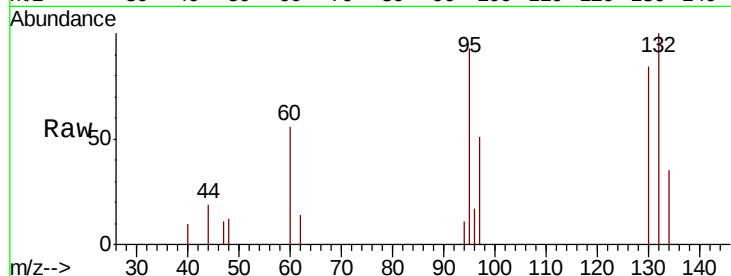
Ion 98.05 (97.75 to 98.75): VU040820.D (-1297) (-)



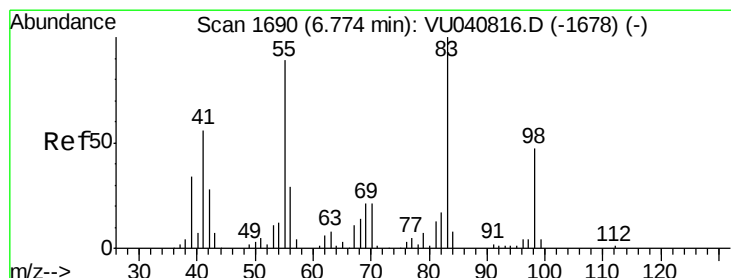
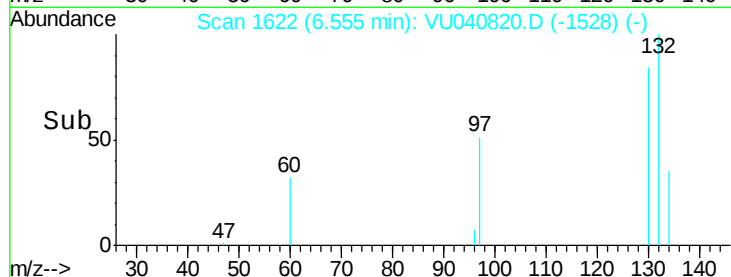
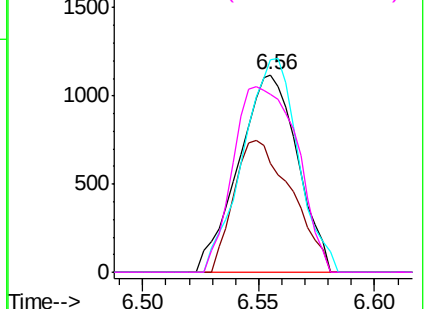
#34
 Trichloroethene
 Concen: 0.195 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040820.D
 Acq: 19 Oct 2020 21:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AG7

Tot Ion: 95 Resp: 1979
 Ion Ratio Lower Upper
 95 100
 97 55.4 45.5 84.5
 132 107.9 67.5 125.4
 130 90.4 69.9 129.9

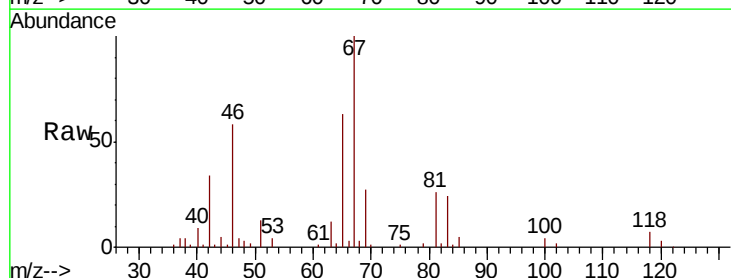


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

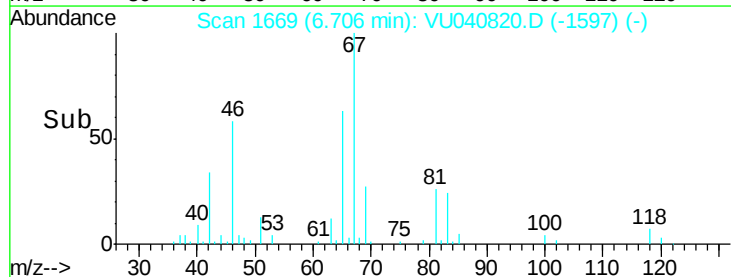
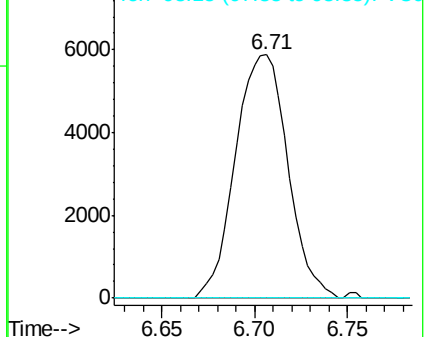


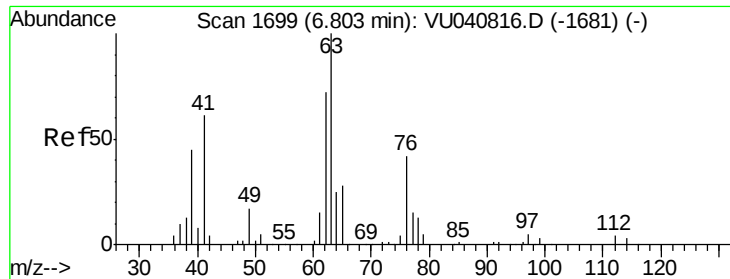
#35
 Methylcyclohexane
 Concen: 0.807 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU040820.D
 Acq: 19 Oct 2020 21:55

Tgt Ion: 83 Resp: 11582
 Ion Ratio Lower Upper
 83 100
 55 0.9 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

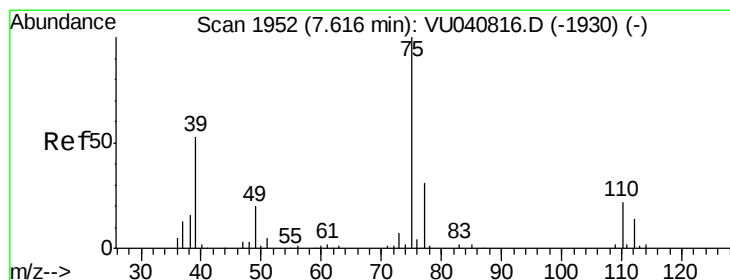
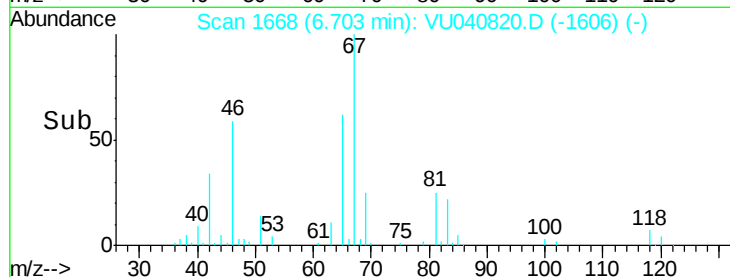
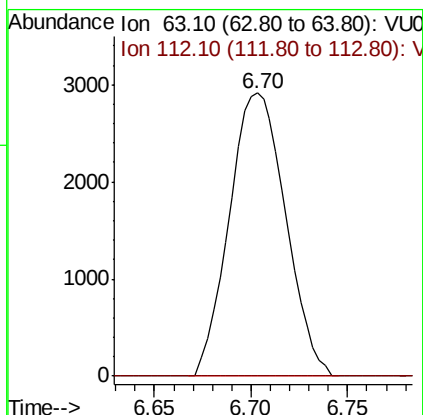
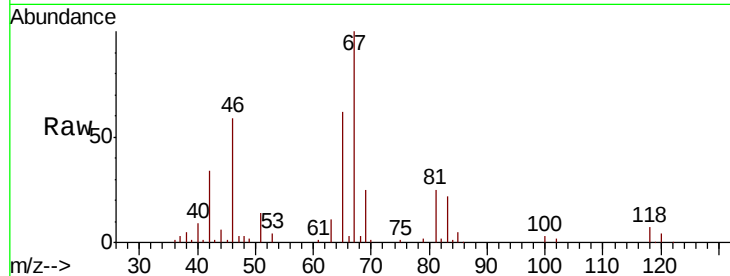




#37
 1,2-Dichloropropane
 Concen: 0.541 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040820.D
 Acq: 19 Oct 2020 21:55

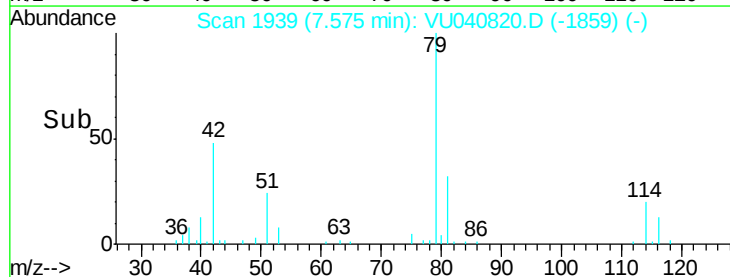
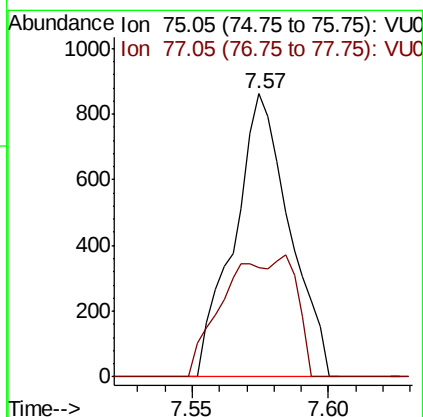
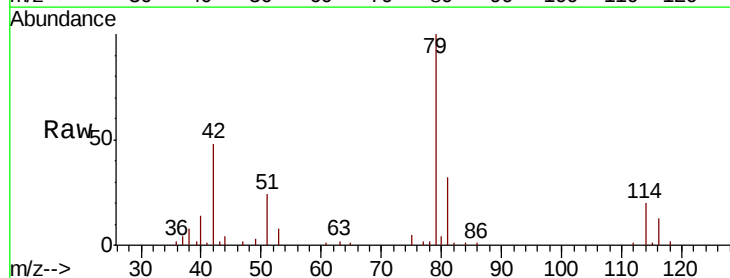
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AG7

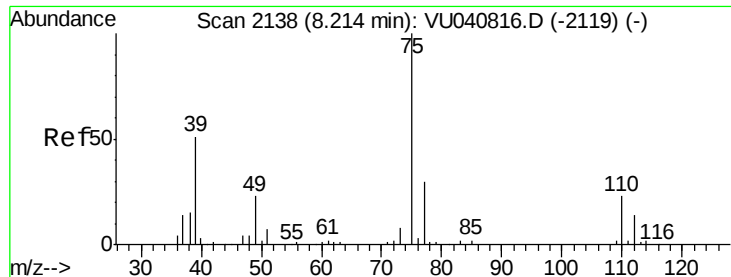
Tot Ion: 63 Resp: 5884
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040820.D
 Acq: 19 Oct 2020 21:55

Tgt Ion: 75 Resp: 1213
 Ion Ratio Lower Upper
 75 100
 77 38.6 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040820.D

Acq: 19 Oct 2020 21:55

Instrument :

MSVOA_U

ClientSampleId :

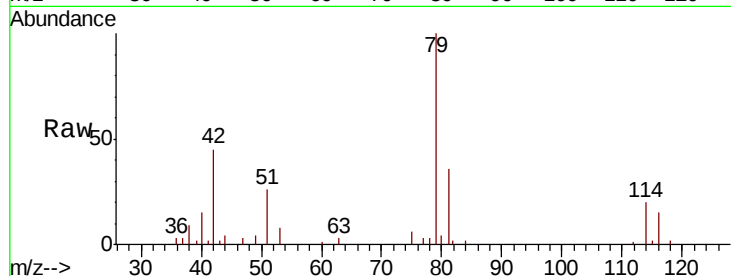
C0AG7

Tot Ion: 75 Resp: 907

Ion Ratio Lower Upper

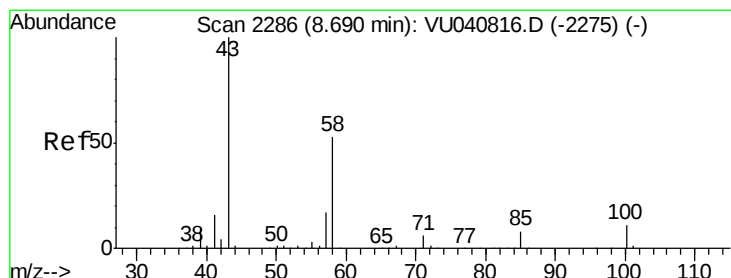
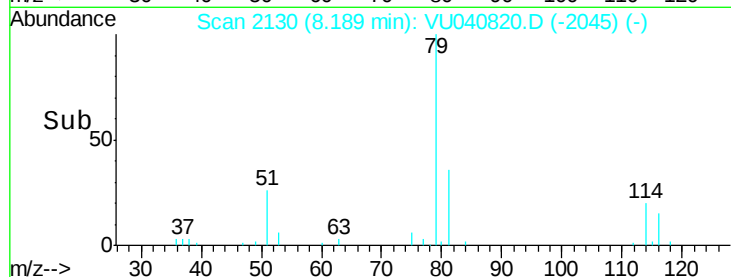
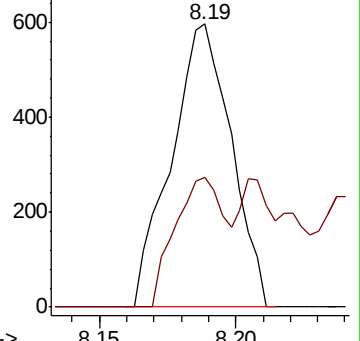
75 100

77 45.6 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: 0.768 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU040820.D

Acq: 19 Oct 2020 21:55

Tgt Ion: 43 Resp: 4961

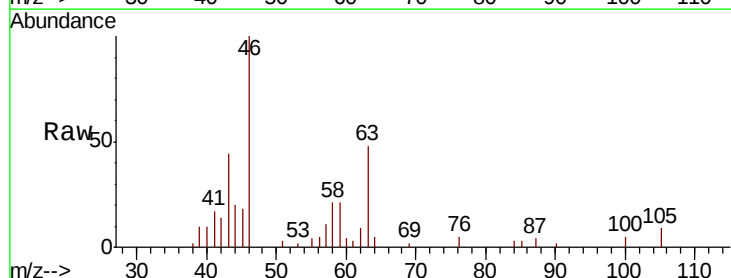
Ion Ratio Lower Upper

43 100

58 43.8 41.0 61.6

57 25.5 14.4 21.6#

100 4.0 8.6 13.0#

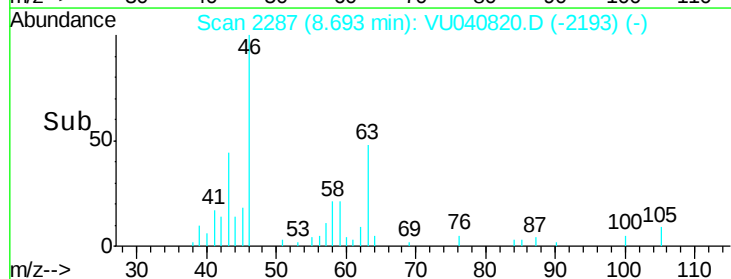
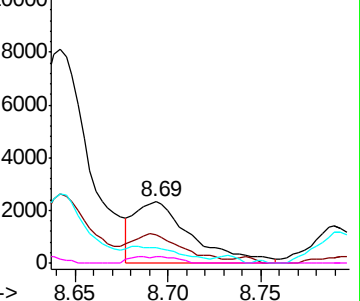


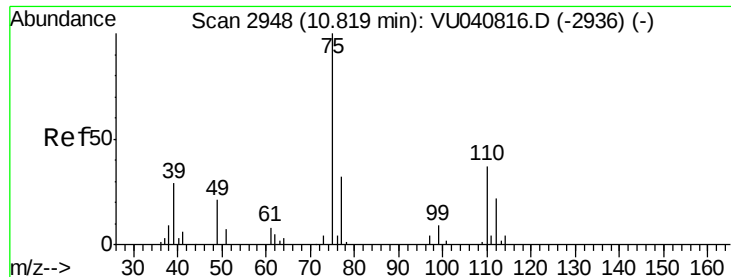
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#59

1,2,3-Trichloropropane

Concen: 0.807 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040820.D

Acq: 19 Oct 2020 21:55

Instrument :

MSVOA_U

ClientSampleId :

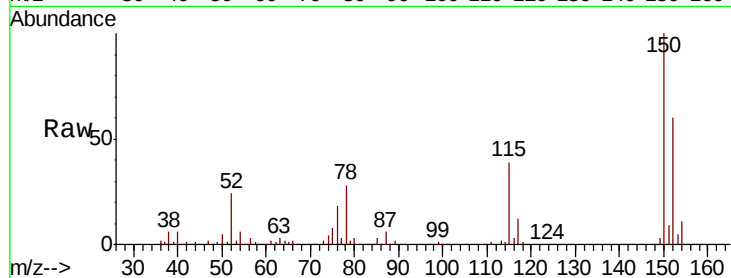
C0AG7

Tot Ion: 75 Resp: 6452

Ion Ratio Lower Upper

75 100

77 40.6 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

