

Data File : VU041318.D
Acq On : 18 Nov 2020 17:50
Operator : SY/MD
Sample : L4790-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4386

Quant Time: Nov 19 00:51:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59246	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	63787	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26046	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21297	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.92	69	19396	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	35070	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.66	46	58986	32.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.66%
24) Chloroform-d	5.08	84	48589	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	29609	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.74	84	82160	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.70	67	28696	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.91	98	65536	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.18	79	11224	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.64	63	60250	44.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25716	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	26772	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

						Qvalue
3) Chloromethane	1.52	50	571	0.108	ug/L #	43
5) Vinyl chloride	1.61	62	28494	5.540	ug/L #	1
8) Chloroethane	2.03	64	619	0.181	ug/L #	51
12) 1,1-Dichloroethene	2.59	96	341	0.088	ug/L #	1
13) Acetone	2.66	43	2599	2.180	ug/L	84
14) Carbon disulfide	2.81	76	18561	1.635	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	4708	1.253	ug/L	92
19) 1,1-Dichloroethane	3.88	63	2213	0.264	ug/L	89
22) cis-1,2-Dichloroethene	4.68	96	8247	1.944	ug/L	94
27) 1,2-Dichloroethane	5.74	62	477	0.073	ug/L #	74
33) Benzene	5.79	78	4054	0.235	ug/L	100
34) Trichloroethene	6.55	95	969	0.207	ug/L	84
35) Methylcyclohexane	6.77	83	602	0.097	ug/L #	71
37) 1,2-Dichloropropane	6.70	63	3674	0.727	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	756	0.107	ug/L #	69
42) Toluene	7.97	91	1327	0.072	ug/L	90
44) trans-1,3-Dichloropropene	8.19	75	496	0.074	ug/L #	61

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Quantitation Report (Not Reviewed)

Data File : VU041318.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

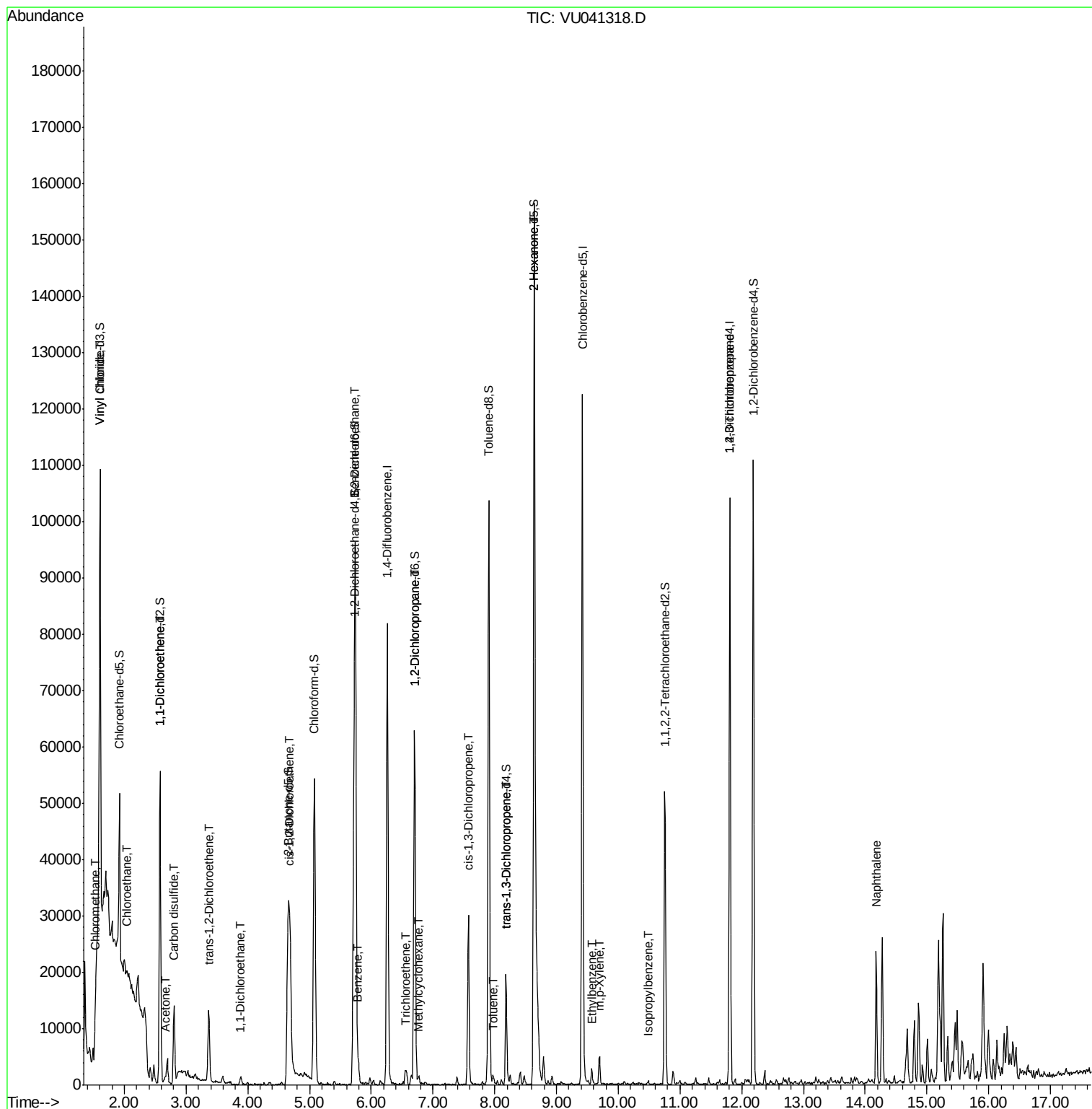
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.64	43	8299	2.659	ug/L #	69
52) Ethylbenzene	9.57	91	2232	0.113	ug/L	94
53) m,p-Xylene	9.70	106	1163	0.163	ug/L	88
56) Isopropylbenzene	10.48	105	587	0.032	ug/L #	75
59) 1,2,3-Trichloropropane	11.81	75	3311	0.831	ug/L #	79
69) Naphthalene	14.18	128	1388	0.185	ug/L #	1

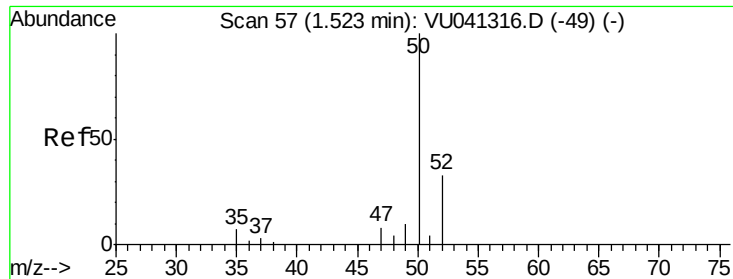
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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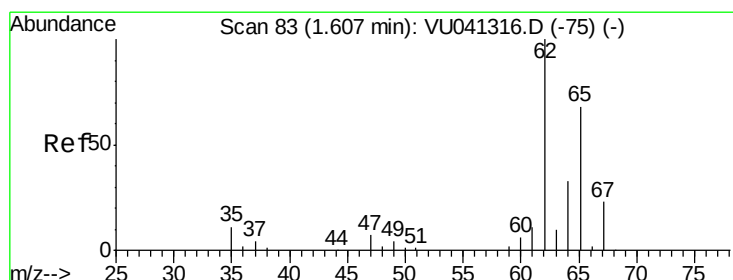
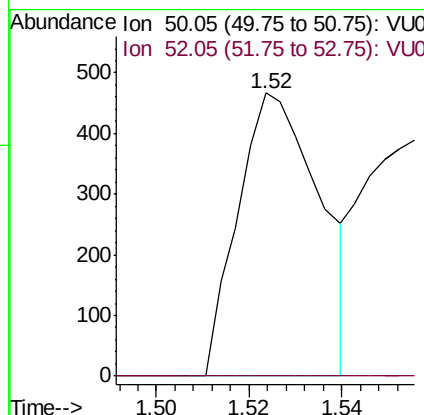
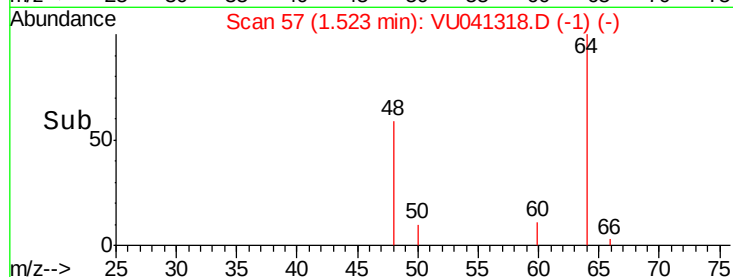
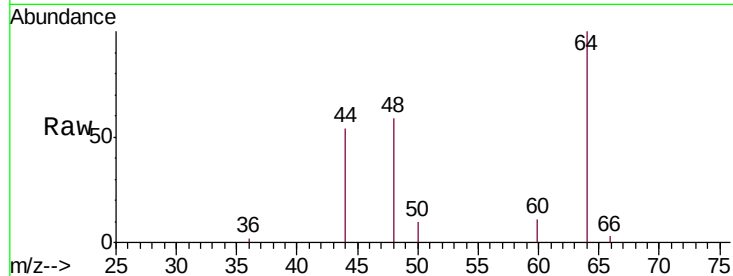




#3
 Chloromethane
 Concen: 0.108 ug/L
 RT: 1.52 min Scan# 57
 Delta R.T. 0.00 min
 Lab File: VU041318.D
 Acq: 18 Nov 2020 17:50

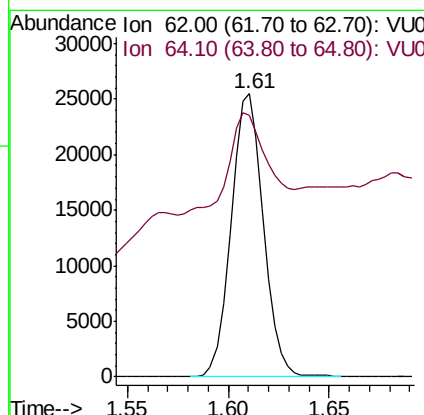
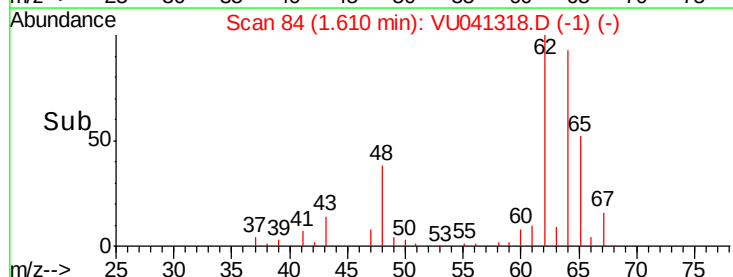
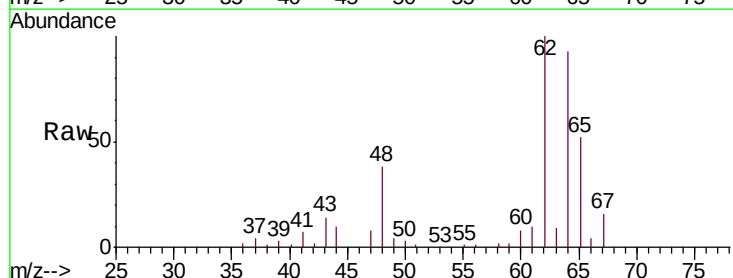
Instrument :
 MSVOA_U
 ClientSampled :
 H4386

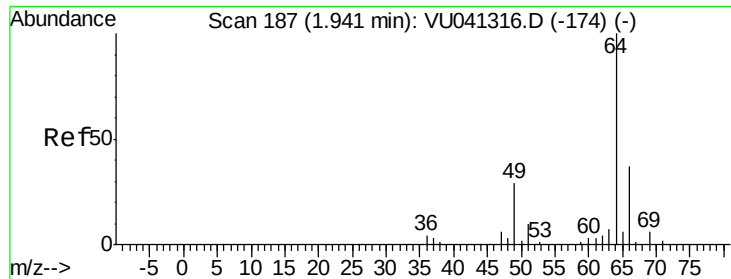
Tgt Ion: 50 Resp: 571
 Ion Ratio Lower Upper
 50 100
 52 0.0 22.4 41.6#



#5
 Vinyl chloride
 Concen: 5.540 ug/L
 RT: 1.61 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VU041318.D
 Acq: 18 Nov 2020 17:50

Tgt Ion: 62 Resp: 28494
 Ion Ratio Lower Upper
 62 100
 64 92.5 22.7 42.3#

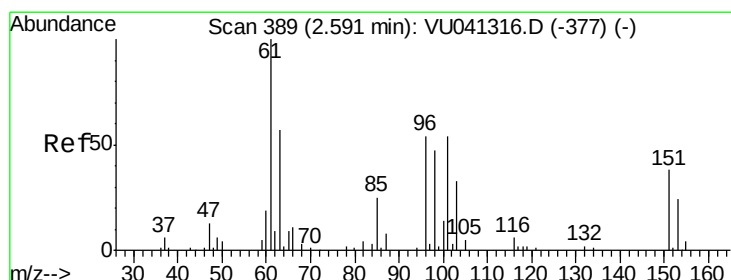
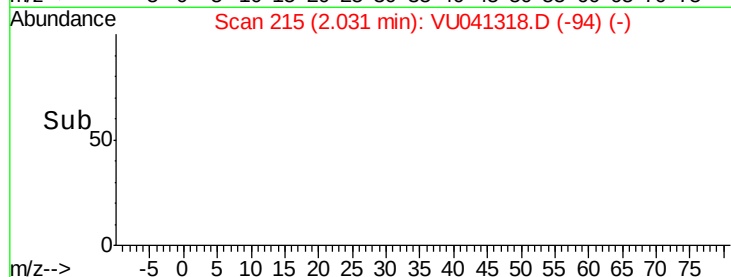
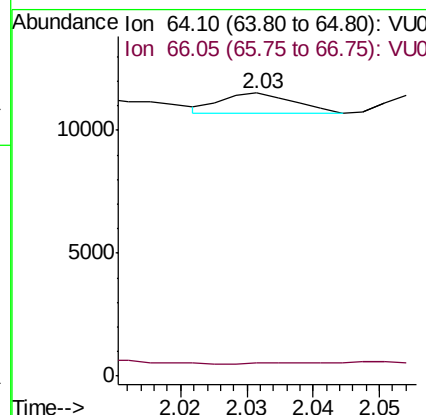
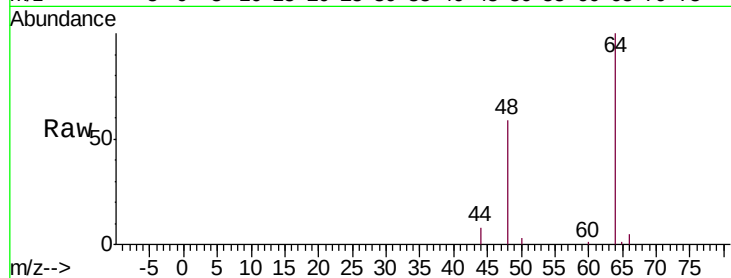




#8
Chloroethane
Concen: 0.181 ug/L
RT: 2.03 min Scan# 215
Delta R.T. 0.09 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

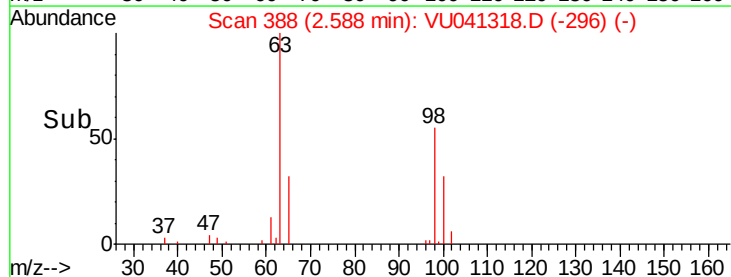
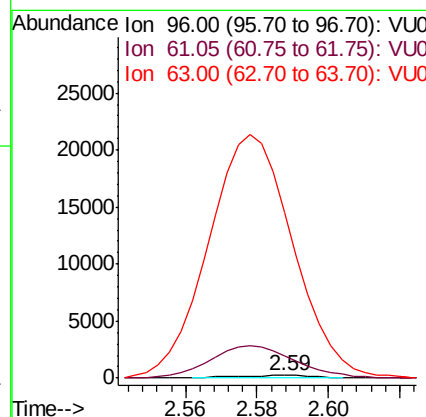
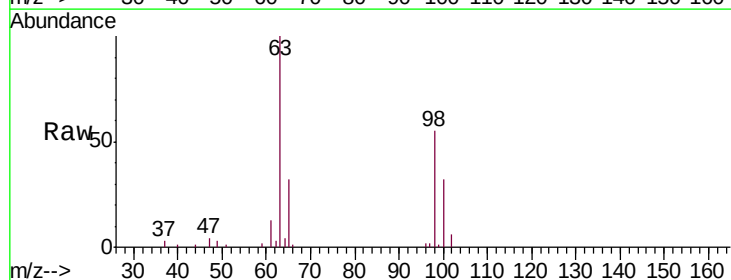
Instrument :
MSVOA_U
ClientSampled :
H4386

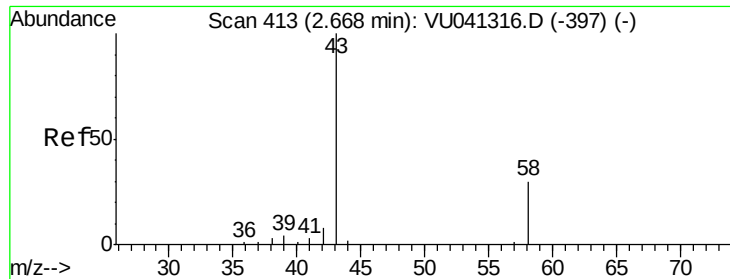
Tgt Ion: 64 Resp: 619
Ion Ratio Lower Upper
64 100
66 4.6 22.3 41.5#



#12
1,1-Dichloroethene
Concen: 0.088 ug/L
RT: 2.59 min Scan# 388
Delta R.T. -0.00 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

Tgt Ion: 96 Resp: 341
Ion Ratio Lower Upper
96 100
61 762.5 134.3 249.5#
63 5660.9 95.0 176.4#





#13

Acetone

Concen: 2.180 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041318.D

Acq: 18 Nov 2020 17:50

Instrument :

MSVOA_U

ClientSampleId :

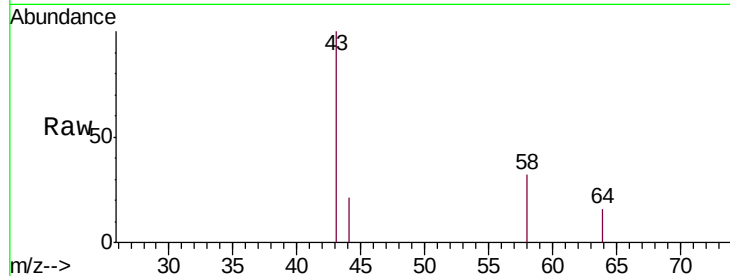
H4386

Tgt Ion: 43 Resp: 2599

Ion Ratio Lower Upper

43 100

58 19.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041318.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU041318.D (-320) (-)

2.66

800

600

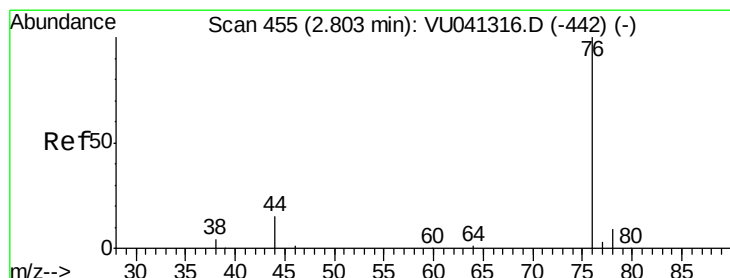
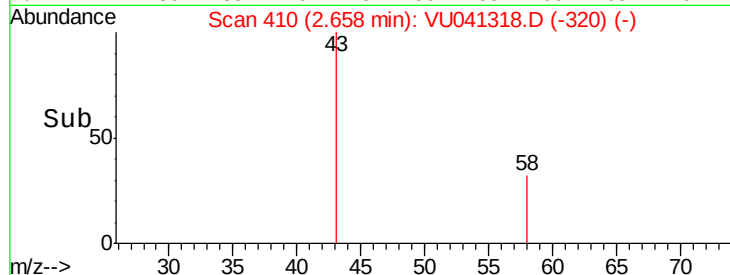
400

200

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 1.635 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041318.D

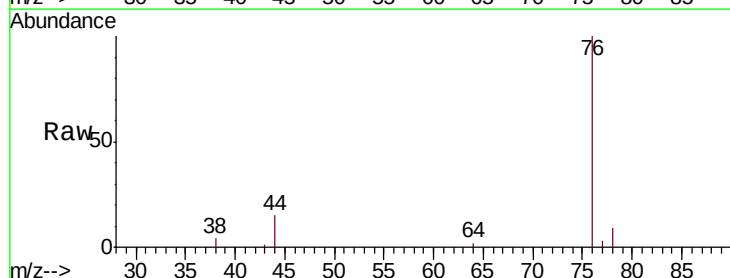
Acq: 18 Nov 2020 17:50

Tgt Ion: 76 Resp: 18561

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041318.D (-362) (-)

Ion 78.00 (77.70 to 78.70): VU041318.D (-362) (-)

2.81

12000

10000

8000

6000

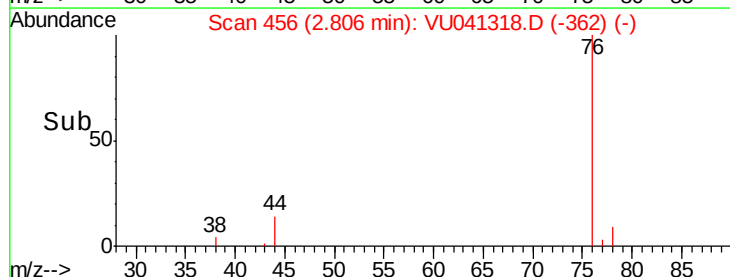
4000

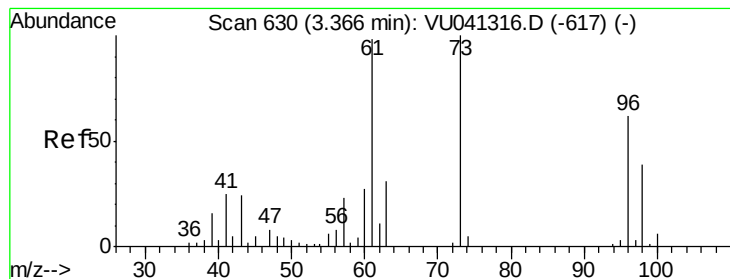
2000

0

2.75 2.80 2.85

Time-->





#18

trans-1,2-Dichloroethene

Concen: 1.253 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU041318.D

Acq: 18 Nov 2020 17:50

Instrument :

MSVOA_U

ClientSampleId :

H4386

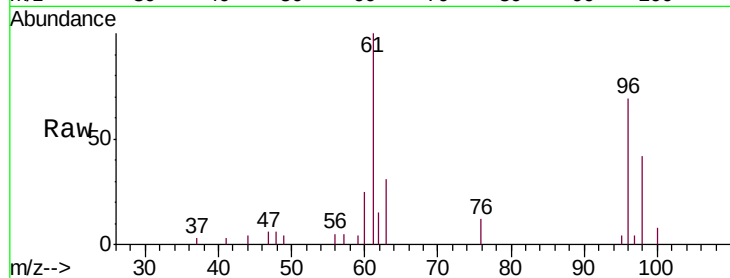
Tgt Ion: 96 Resp: 4708

Ion Ratio Lower Upper

96 100

61 145.9 110.9 205.9

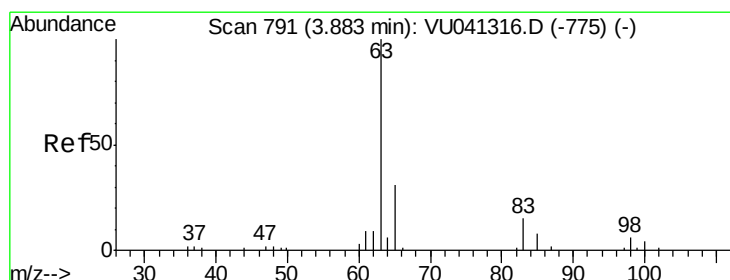
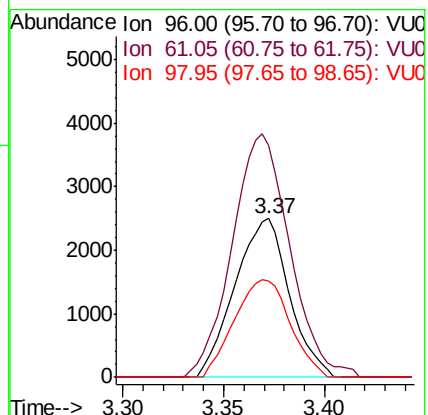
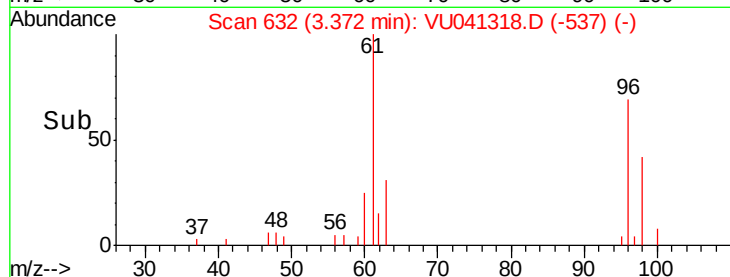
98 60.9 45.4 84.2



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



#19

1,1-Dichloroethane

Concen: 0.264 ug/L

RT: 3.88 min Scan# 791

Delta R.T. 0.00 min

Lab File: VU041318.D

Acq: 18 Nov 2020 17:50

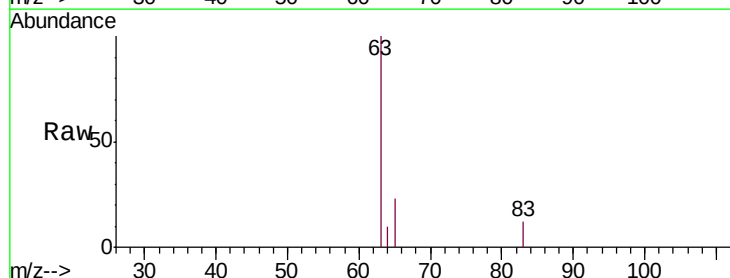
Tgt Ion: 63 Resp: 2213

Ion Ratio Lower Upper

63 100

65 22.8 21.3 39.6

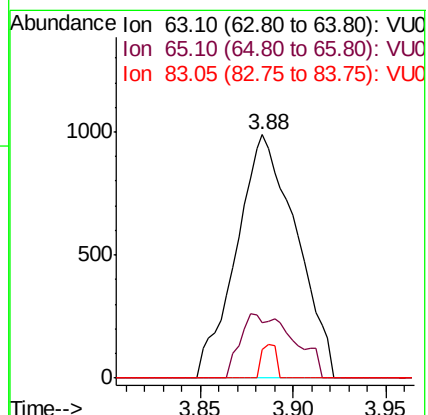
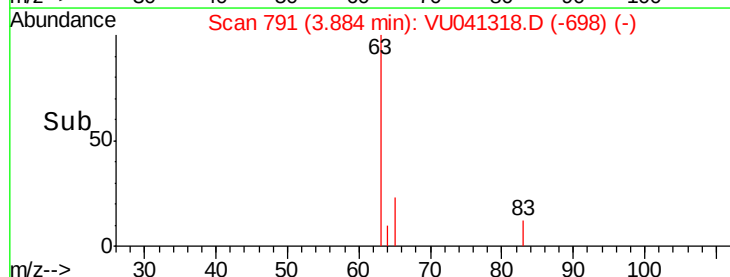
83 11.6 8.8 16.3

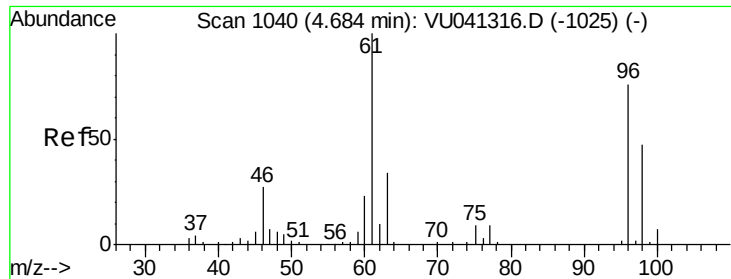


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.944 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041318.D

Acq: 18 Nov 2020 17:50

Instrument :

MSVOA_U

ClientSampled :

H4386

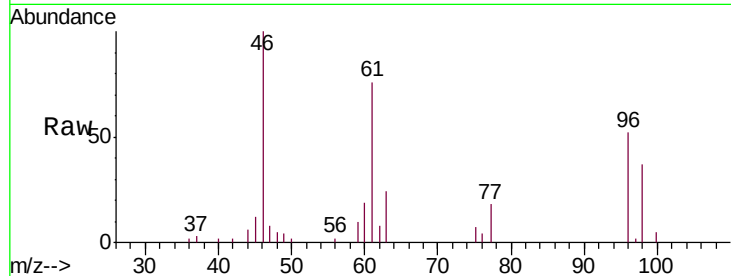
Tgt Ion: 96 Resp: 8247

Ion Ratio Lower Upper

96 100

61 146.0 97.2 180.4

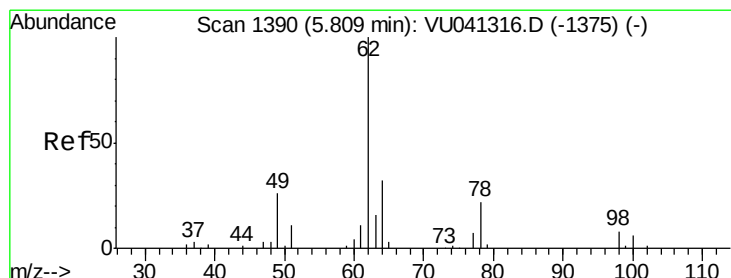
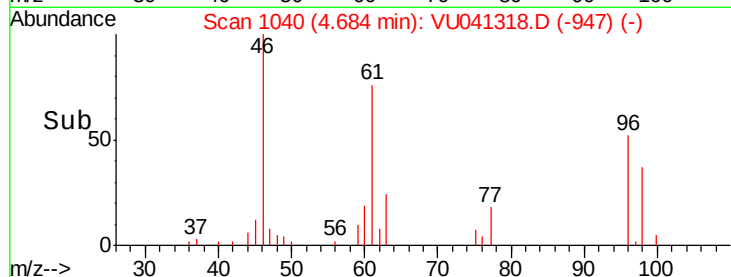
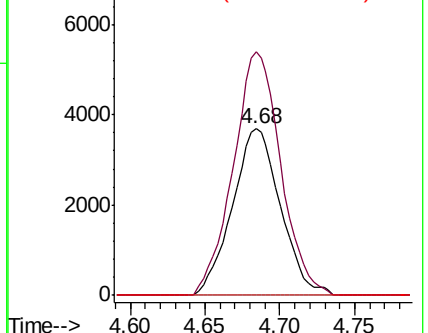
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#27

1,2-Dichloroethane

Concen: 0.073 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041318.D

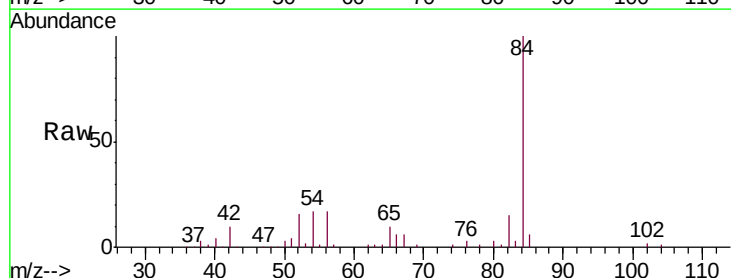
Acq: 18 Nov 2020 17:50

Tgt Ion: 62 Resp: 477

Ion Ratio Lower Upper

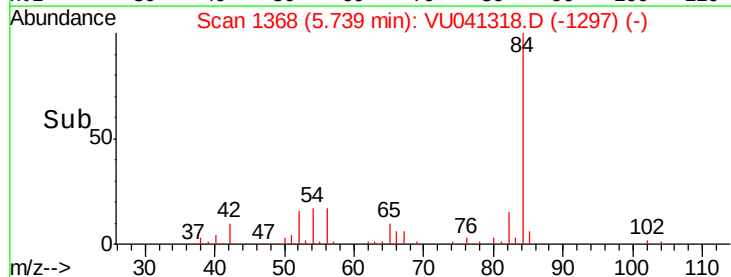
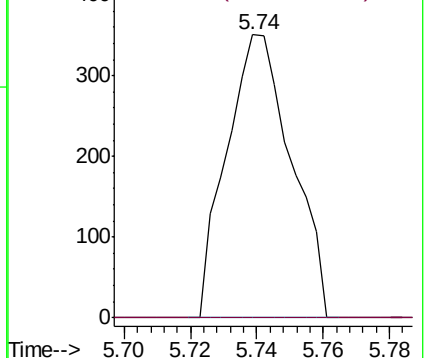
62 100

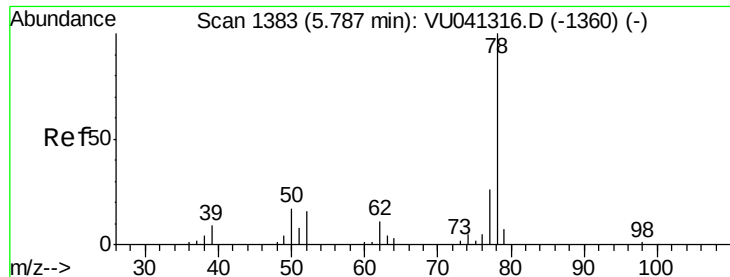
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

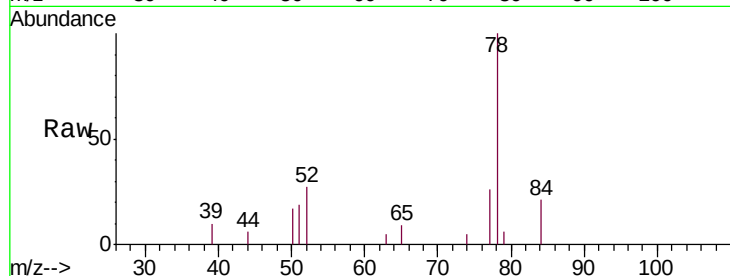




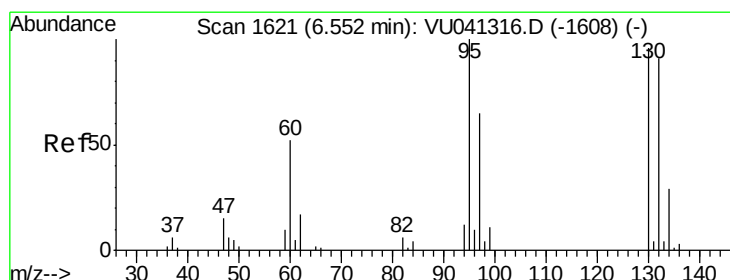
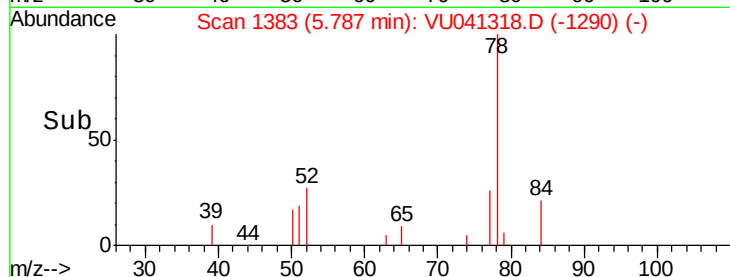
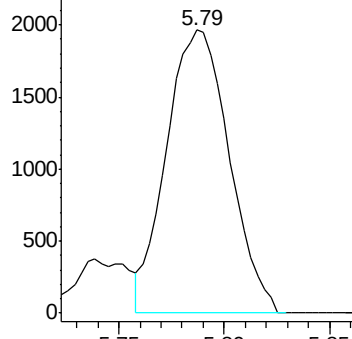
#33
Benzene
Concen: 0.235 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

Instrument :
MSVOA_U
ClientSampleId :
H4386

Tgt Ion: 78 Resp: 4054



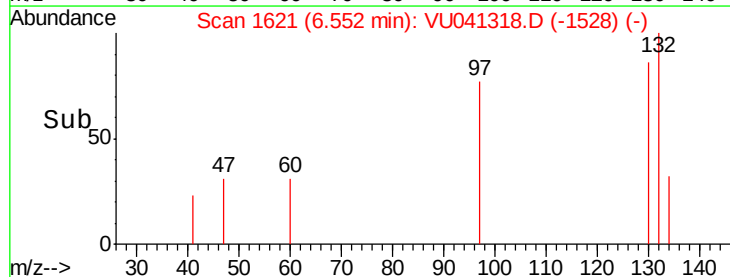
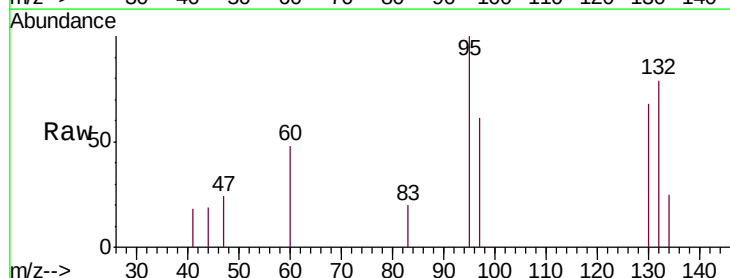
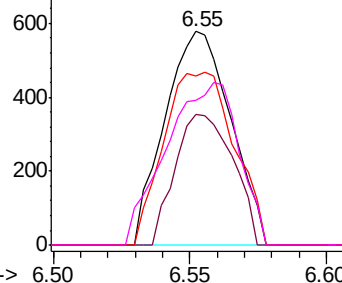
Abundance Ion 78.10 (77.80 to 78.80): VU0

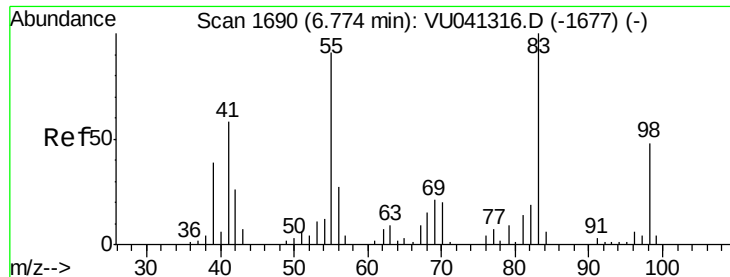


#34
Trichloroethene
Concen: 0.207 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

Tgt Ion: 95 Resp: 969
Ion Ratio Lower Upper
95 100
97 61.2 45.6 84.6
132 79.4 64.8 120.4
130 68.0 64.8 120.4

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

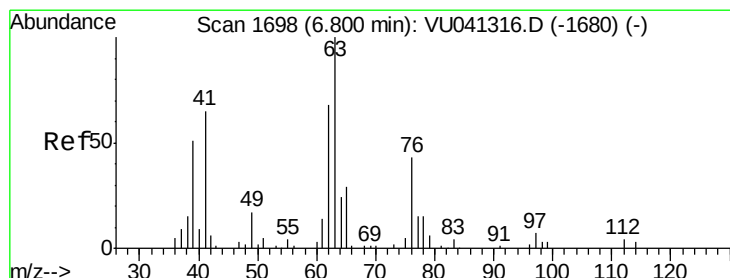
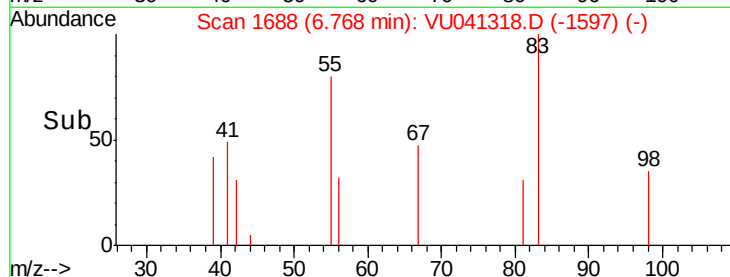
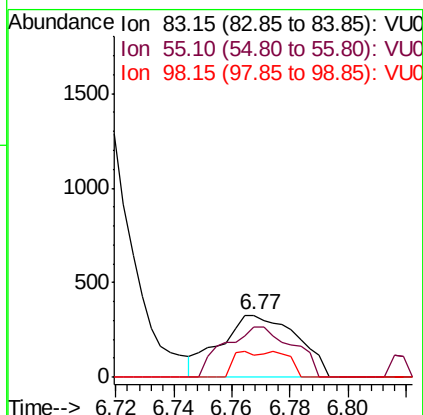
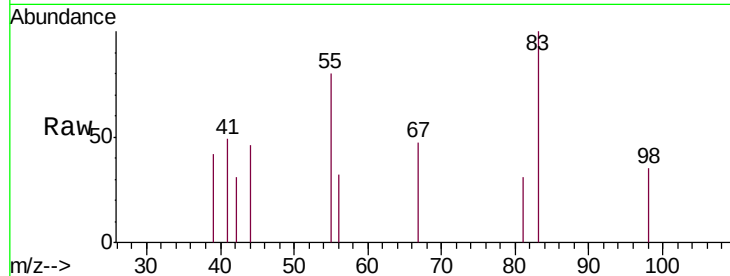




#35
Methylcyclohexane
Concen: 0.097 ug/L
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

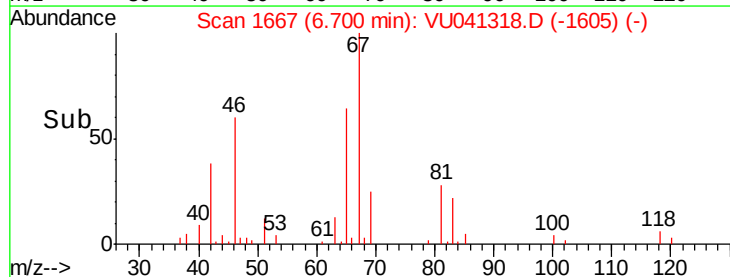
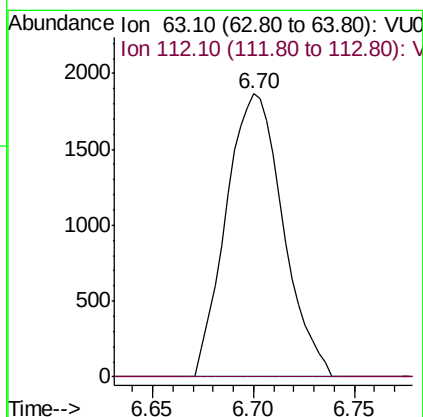
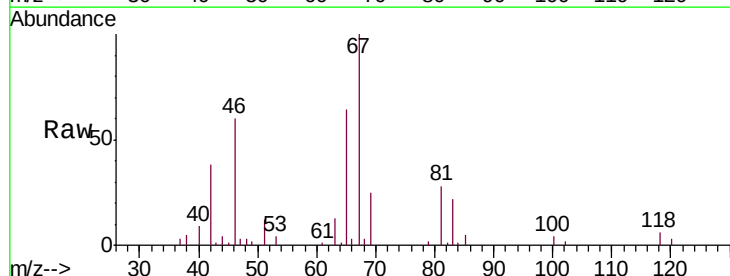
Instrument :
MSVOA_U
ClientSampleId :
H4386

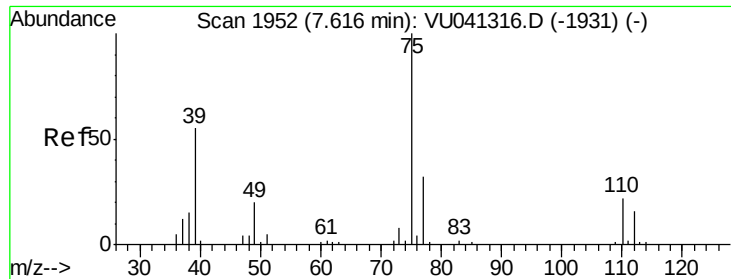
Tgt Ion: 83 Resp: 602
Ion Ratio Lower Upper
83 100
55 72.4 72.0 108.0
98 12.3 36.6 55.0#



#37
1,2-Dichloropropane
Concen: 0.727 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

Tgt Ion: 63 Resp: 3674
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

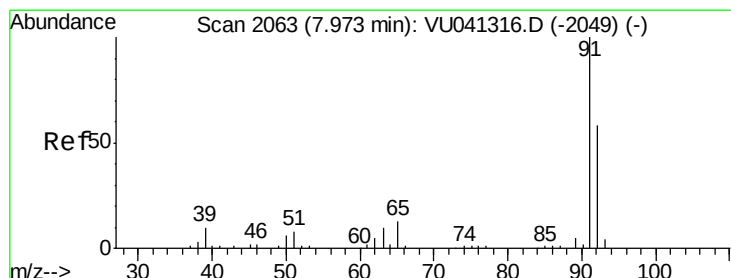
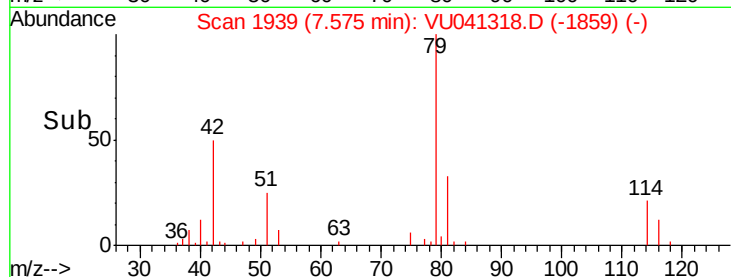
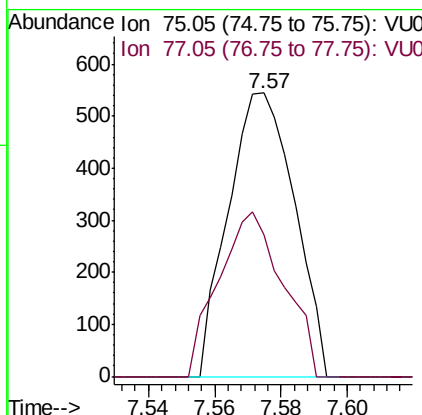
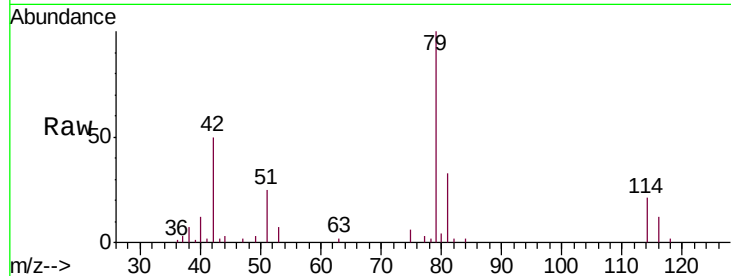




#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041318.D
 Acq: 18 Nov 2020 17:50

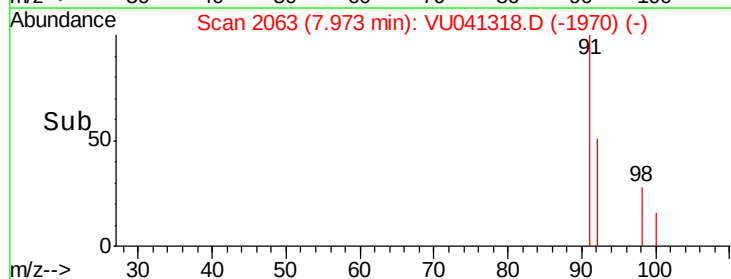
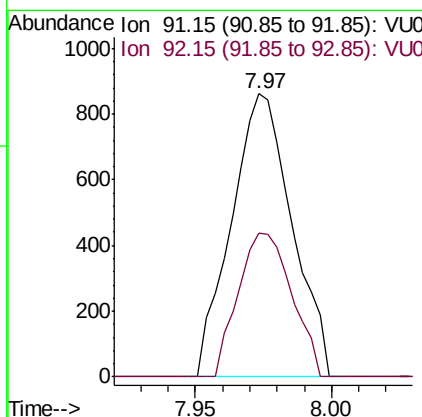
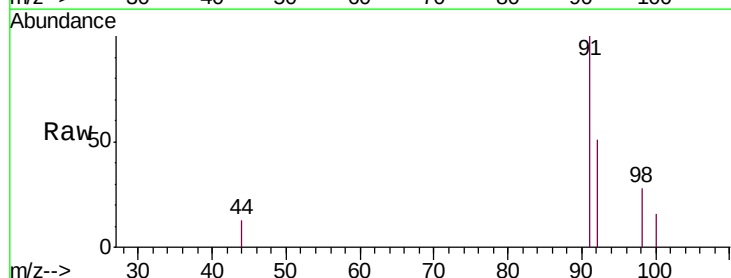
Instrument :
 MSVOA_U
 ClientSampleId :
 H4386

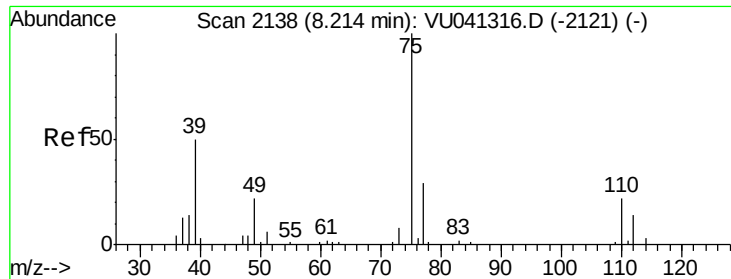
Tgt Ion: 75 Resp: 756
 Ion Ratio Lower Upper
 75 100
 77 50.2 22.7 42.3#



#42
 Toluene
 Concen: 0.072 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VU041318.D
 Acq: 18 Nov 2020 17:50

Tgt Ion: 91 Resp: 1327
 Ion Ratio Lower Upper
 91 100
 92 50.9 40.6 75.4

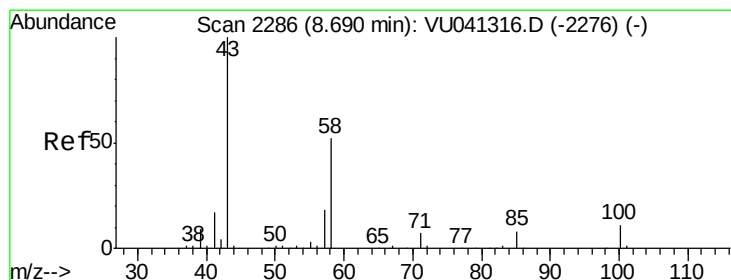
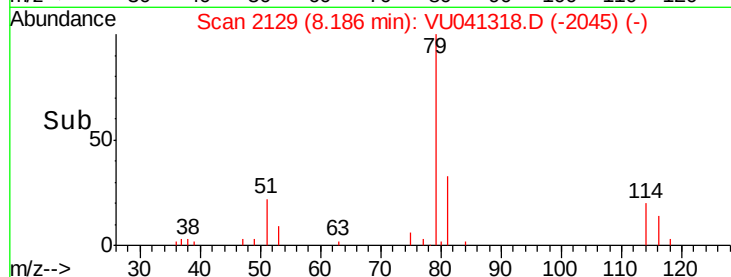
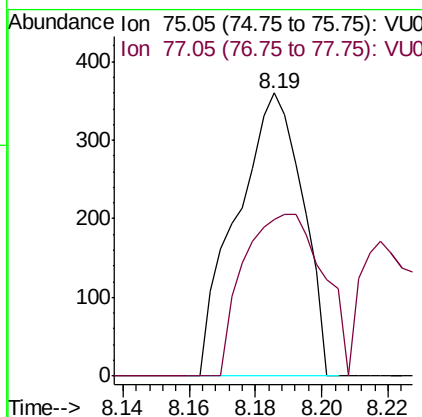
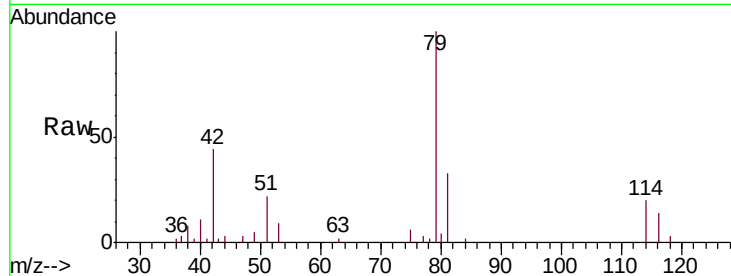




#44
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

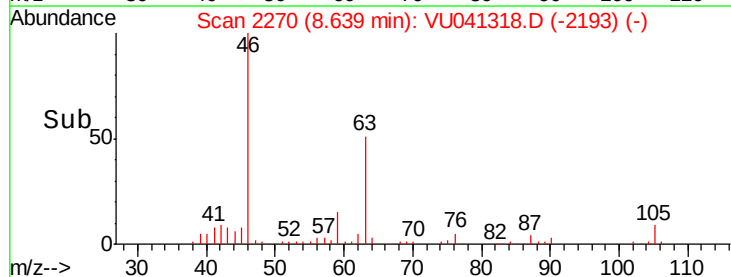
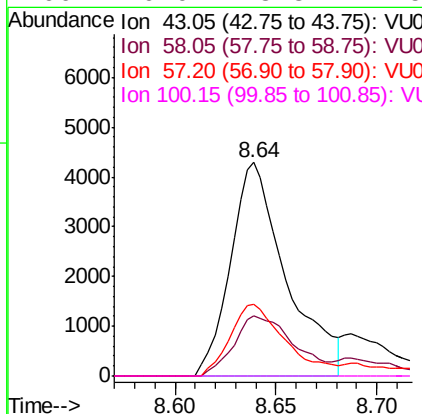
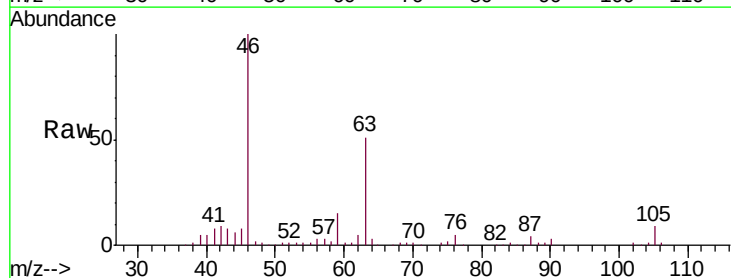
Instrument :
MSVOA_U
ClientSampleId :
H4386

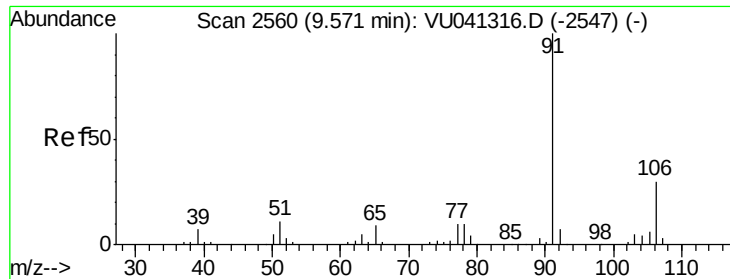
Tgt Ion: 75 Resp: 496
Ion Ratio Lower Upper
75 100
77 55.3 23.3 43.3#



#48
2-Hexanone
Concen: 2.659 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041318.D
Acq: 18 Nov 2020 17:50

Tgt Ion: 43 Resp: 8299
Ion Ratio Lower Upper
43 100
58 30.6 41.4 62.2#
57 33.5 14.6 21.8#
100 0.0 8.3 12.5#





#52

Ethylbenzene

Concen: 0.113 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041318.D

Acq: 18 Nov 2020 17:50

Instrument :

MSVOA_U

ClientSampleId :

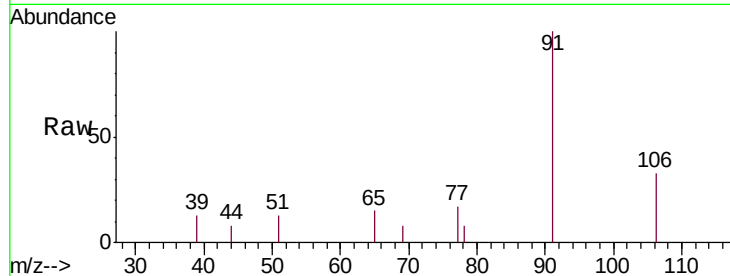
H4386

Tgt Ion: 91 Resp: 2232

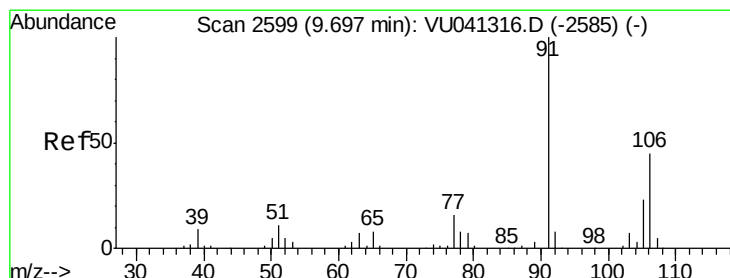
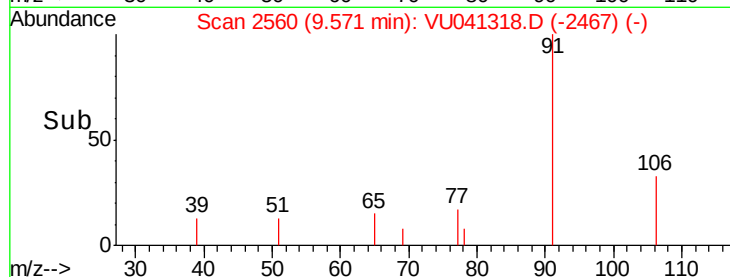
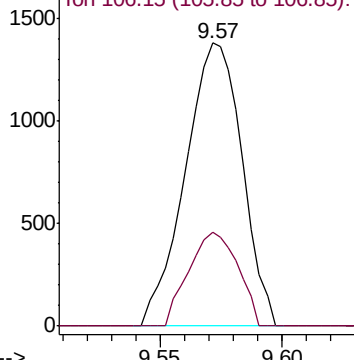
Ion Ratio Lower Upper

91 100

106 33.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041318.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.163 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041318.D

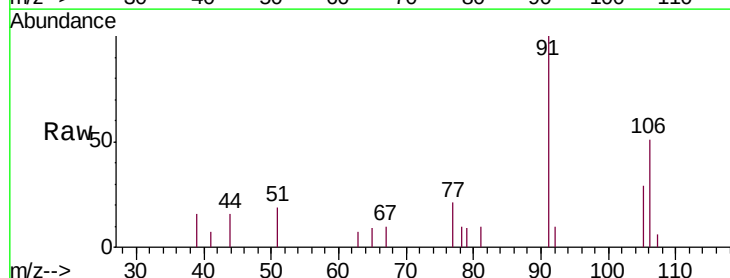
Acq: 18 Nov 2020 17:50

Tgt Ion: 106 Resp: 1163

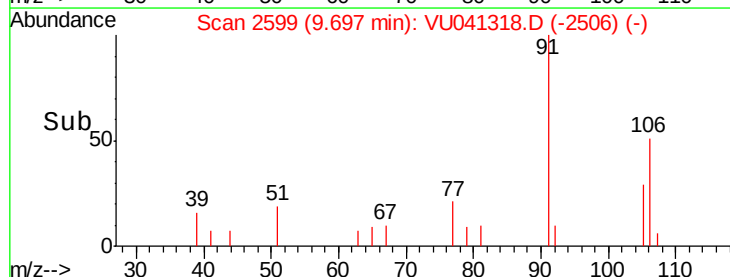
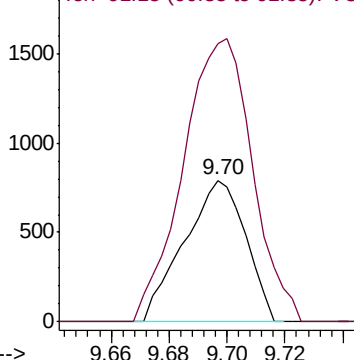
Ion Ratio Lower Upper

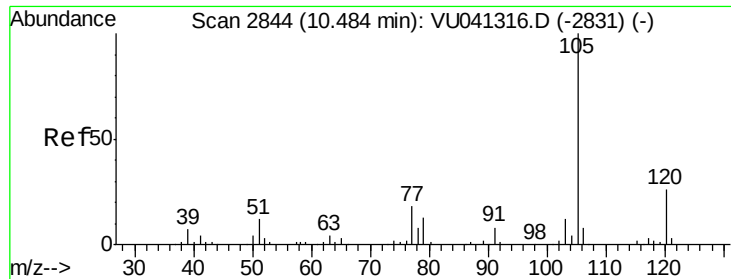
106 100

91 196.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041318.D (-2599) (-)





#56

Isopropylbenzene

Concen: 0.032 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041318.D

Acq: 18 Nov 2020 17:50

Instrument :

MSVOA_U

ClientSampled :

H4386

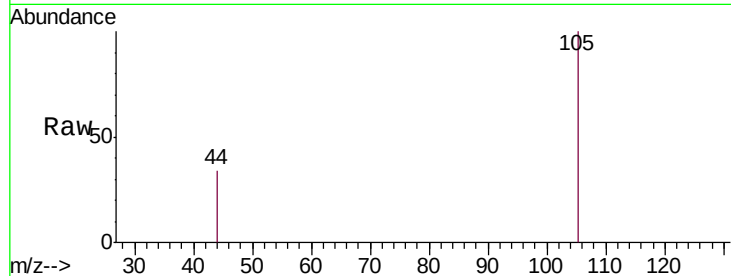
Tgt Ion: 105 Resp: 587

Ion Ratio Lower Upper

105 100

120 12.6 20.7 31.1#

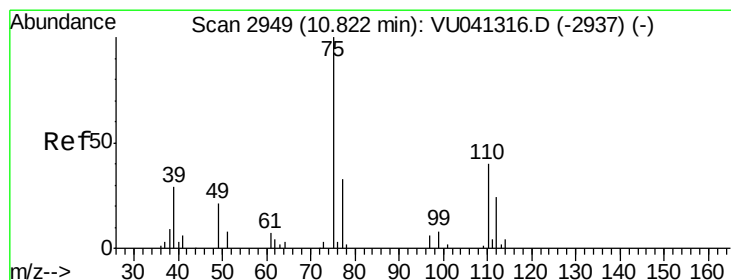
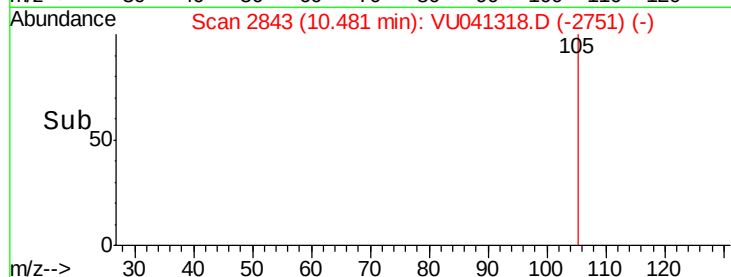
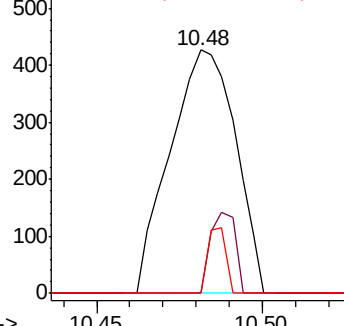
77 7.5 13.8 20.6#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.831 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041318.D

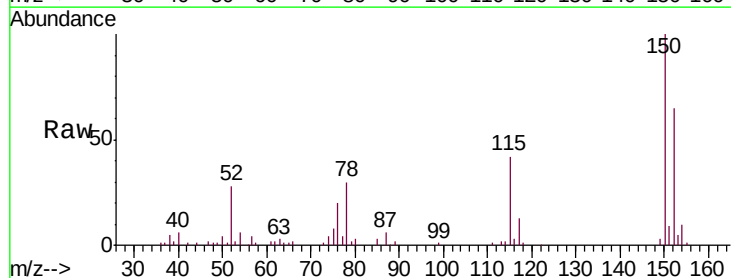
Acq: 18 Nov 2020 17:50

Tgt Ion: 75 Resp: 3311

Ion Ratio Lower Upper

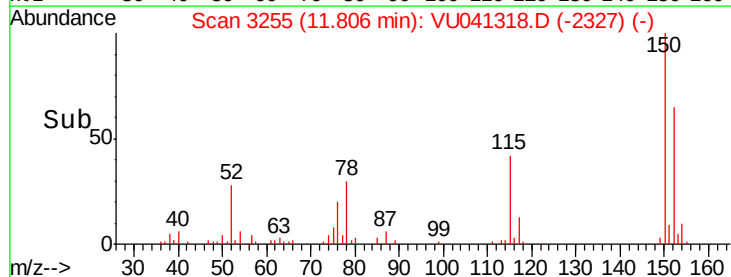
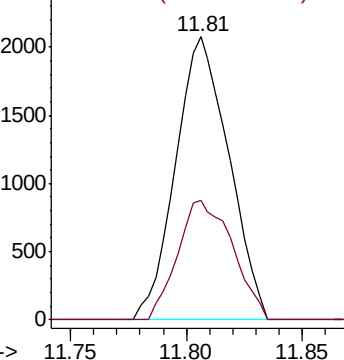
75 100

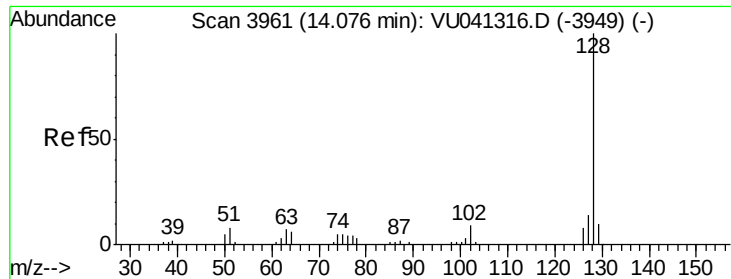
77 43.6 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#69

Naphthalene

Concen: 0.185 ug/L

RT: 14.18 min Scan# 3994

Delta R.T. 0.11 min

Lab File: VU041318.D

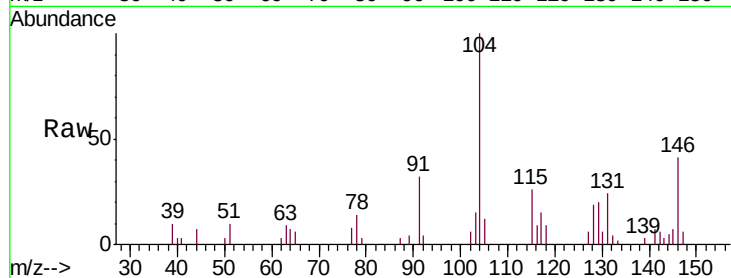
Acq: 18 Nov 2020 17:50

Instrument :

MSVOA_U

ClientSampleId :

H4386



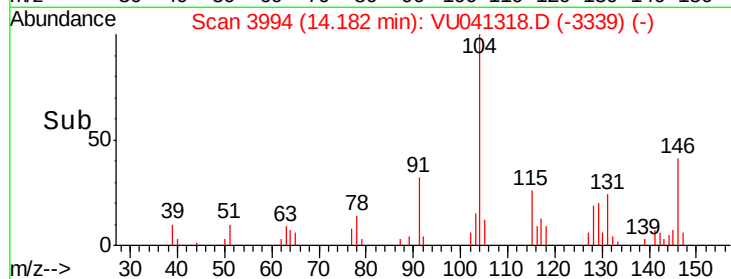
Tgt Ion:128 Resp: 1388

Ion Ratio Lower Upper

128 100

129 119.2 8.7 13.1#

127 29.8 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

