

Data File : VU026832.D
Acq On : 17 Sep 2018 19:45
Operator : MD/SY
Sample : J4864-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0D08

Quant Time: Sep 18 01:38:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	244385	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	230577	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94243	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	83235	46.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.08%
7) Chloroethane-d5	1.68	69	74839	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.74%
11) 1,1-Dichloroethene-d2	2.27	63	124796	36.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.96%
21) 2-Butanone-d5	4.18	46	126851	105.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.74%
24) Chloroform-d	4.65	84	163231	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.31	65	106507	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.88%
32) Benzene-d6	5.34	84	330558	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.32%
36) 1,2-Dichloropropane-d6	6.33	67	108464	52.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.18%
41) Toluene-d8	7.57	98	280794	48.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.85	79	45202	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
47) 2-Hexanone-d5	8.31	63	89111	108.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	144781	49.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	108237	55.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.42%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	40815	17.802 ug/L	96
8) Chloroethane	1.70	64	1129	0.786 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1137	0.674 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	4548	2.870 ug/L #	1
13) Acetone	2.32	43	1407	1.193 ug/L	88
16) Methylene chloride	2.70	84	22525	11.181 ug/L	100
19) 1,1-Dichloroethane	3.45	63	23554	6.997 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	234124	121.959 ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	24305	8.860 ug/L	99
31) Carbon tetrachloride	4.92	117	3238	1.317 ug/L	98
34) Trichloroethene	6.19	95	27687	16.140 ug/L	98
37) 1,2-Dichloropropane	6.33	63	11453	5.832 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2621	0.945 ug/L #	57
42) Toluene	7.64	91	2895	0.400 ug/L	94
44) trans-1,3-Dichloropropene	7.85	75	1855	0.714 ug/L	97
52) Ethylbenzene	9.25	91	6542	0.863 ug/L	98
53) m,p-Xylene	9.38	106	6943	2.383 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091718\
Quantitation Report (Not Reviewed)

Data File : VU026832.D
Acq On : 17 Sep 2018 19:45
Operator : MD/SY
Sample : J4864-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0D08

Quant Time: Sep 18 01:38:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

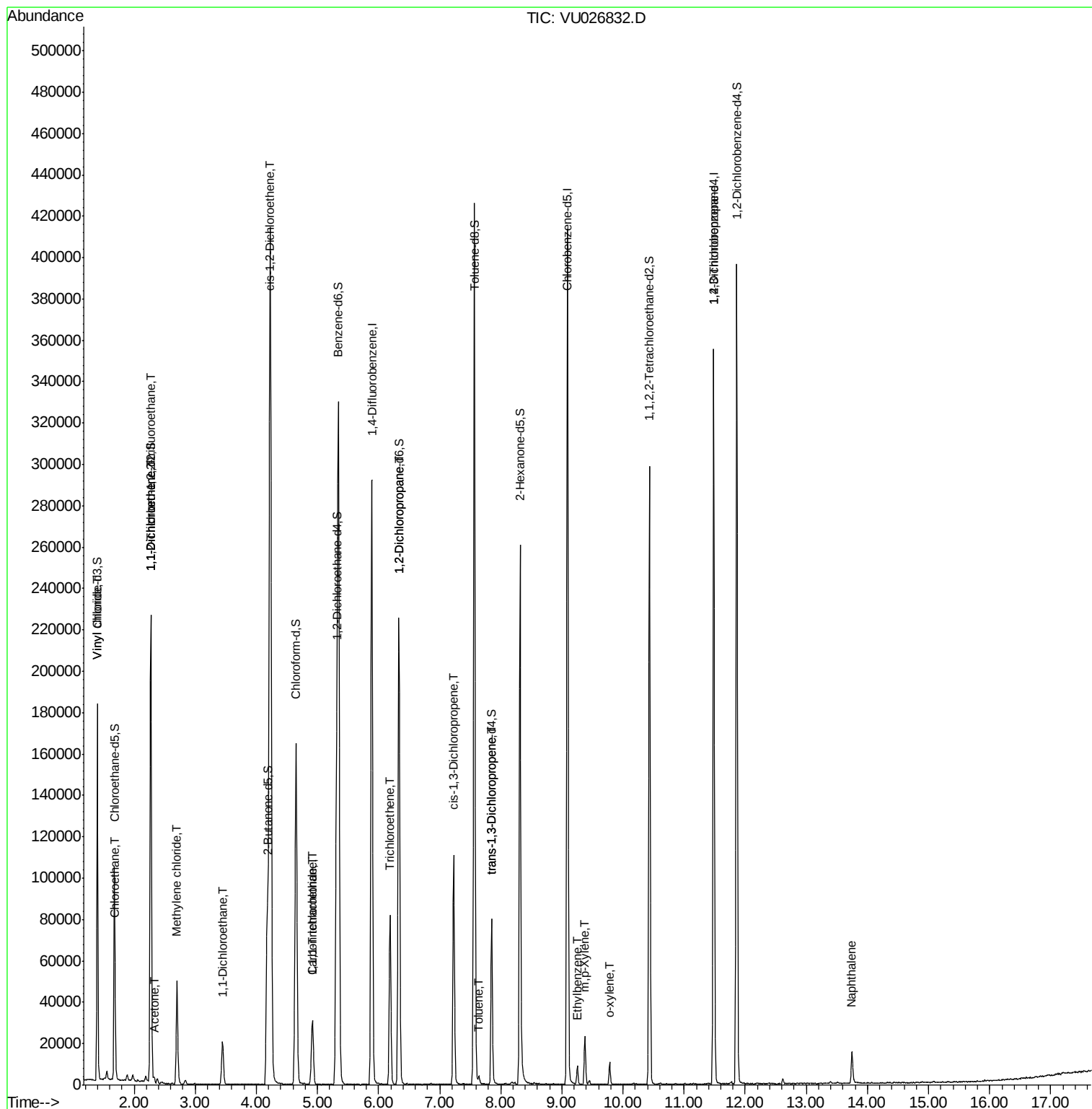
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.78	106	2611	0.920	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	11058	4.701	ug/L	90
69) Naphthalene	13.75	128	15765	2.793	ug/L	97

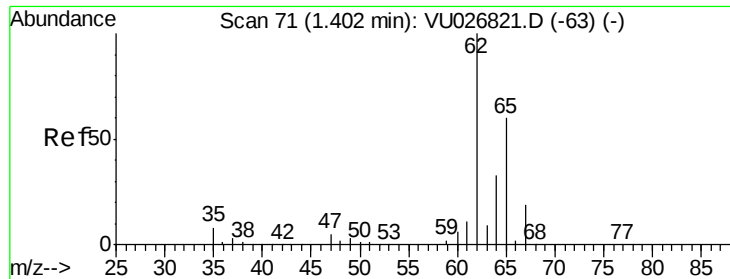
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026832.D
Acq On : 17 Sep 2018 19:45
Operator : MD/SY
Sample : J4864-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0D08

Quant Time: Sep 18 01:38:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.802 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

Instrument :

MSVOA_U

ClientSampleId :

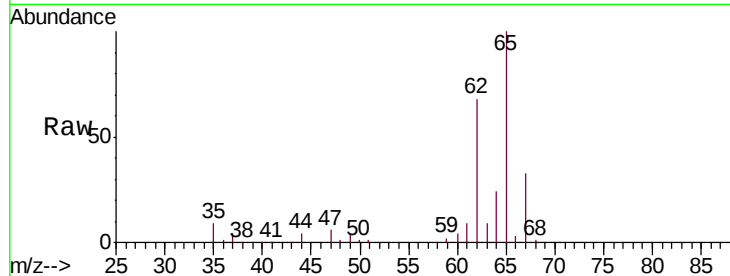
C0D08

Tgt Ion: 62 Resp: 40815

Ion Ratio Lower Upper

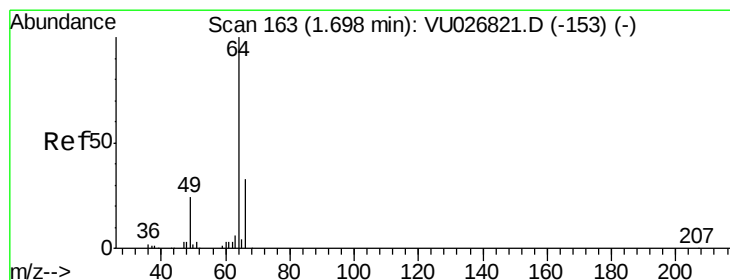
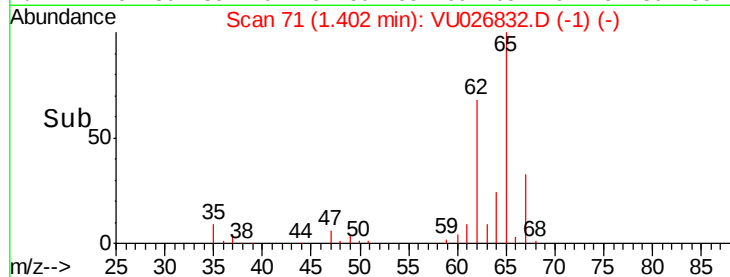
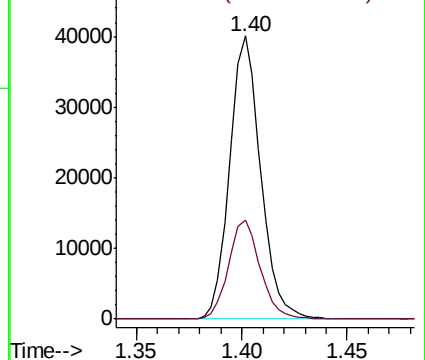
62 100

64 34.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 0.786 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026832.D

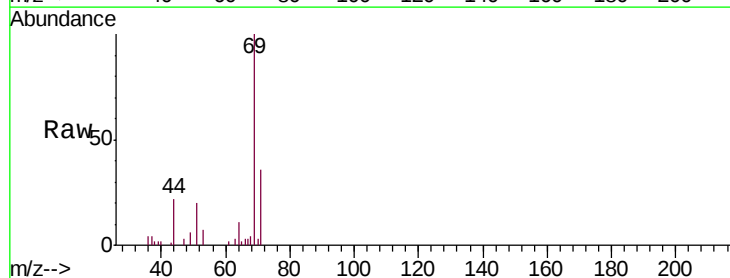
Acq: 17 Sep 2018 19:45

Tgt Ion: 64 Resp: 1129

Ion Ratio Lower Upper

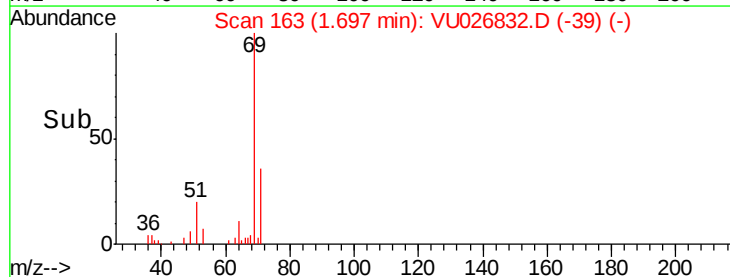
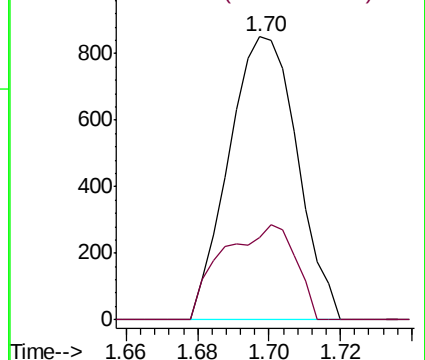
64 100

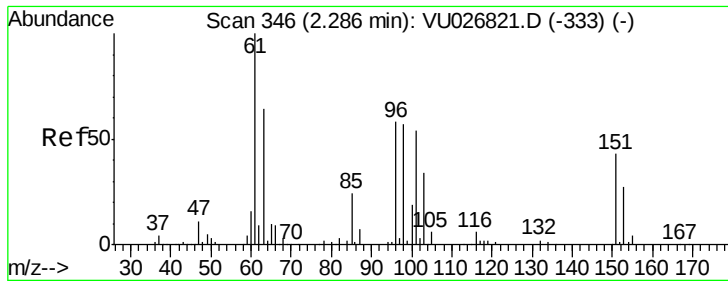
66 29.0 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

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

Concen: 0.674 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

Instrument :

MSVOA_U

ClientSampleId :

C0D08

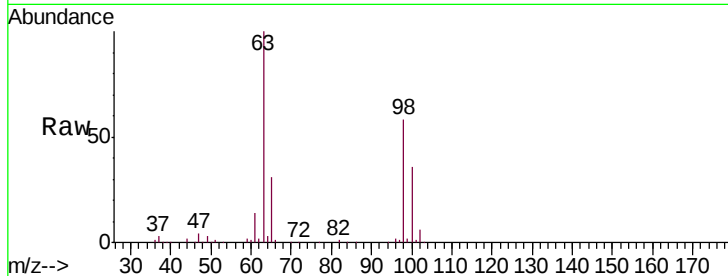
Tgt Ion: 101 Resp: 1137

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

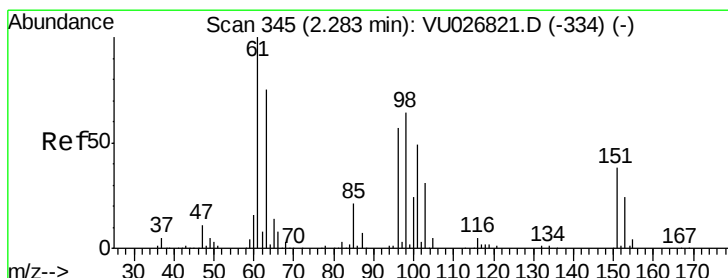
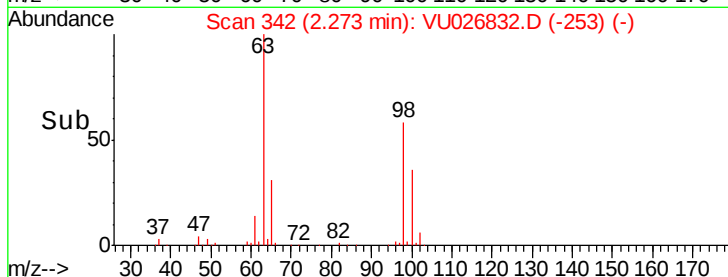
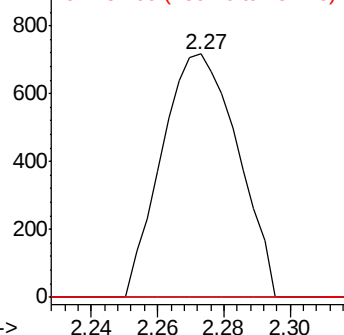
151 0.0 63.0 94.4#



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



#12

1,1-Dichloroethene

Concen: 2.870 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

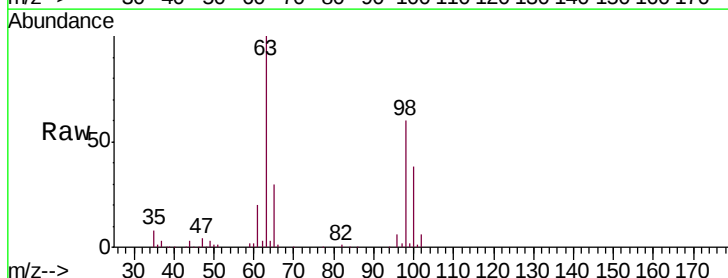
Tgt Ion: 96 Resp: 4548

Ion Ratio Lower Upper

96 100

61 316.8 124.0 230.4#

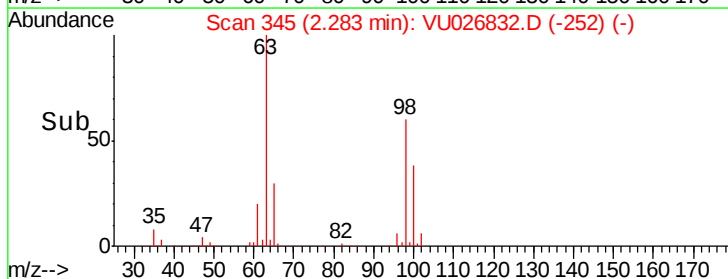
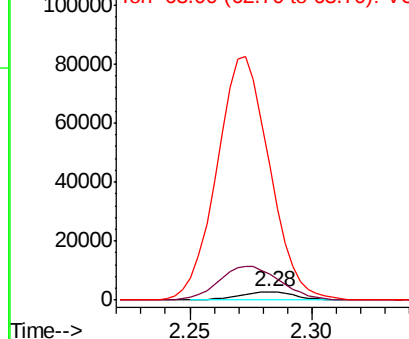
63 1623.6 97.7 181.5#

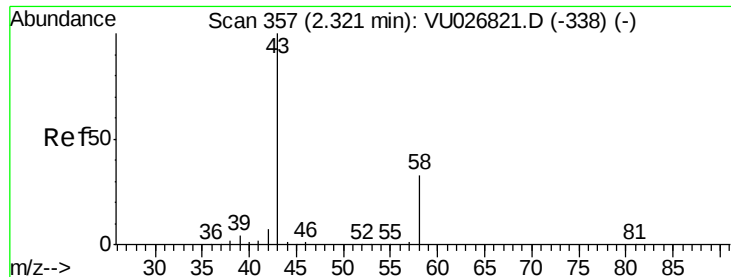


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.193 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

Instrument :

MSVOA_U

ClientSampleId :

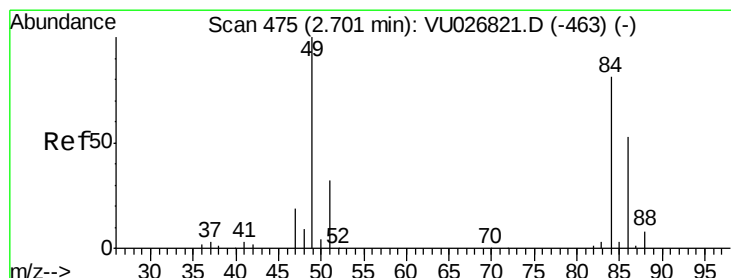
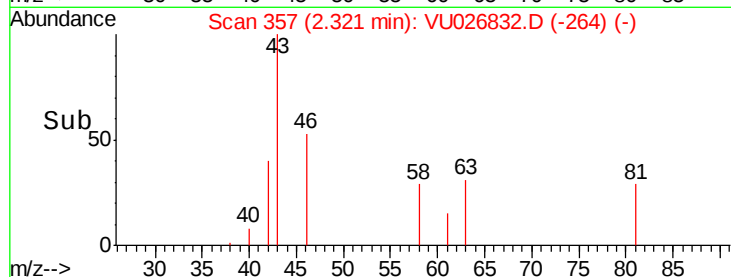
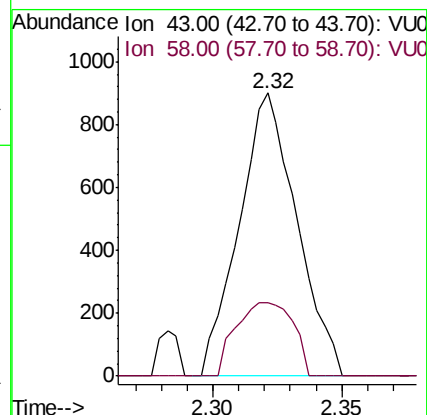
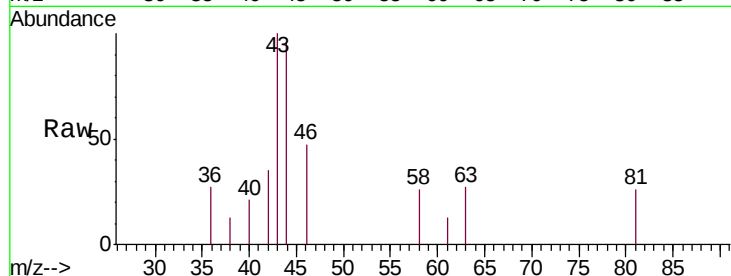
C0D08

Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 25.7 0.0 64.6



#16

Methylene chloride

Concen: 11.181 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

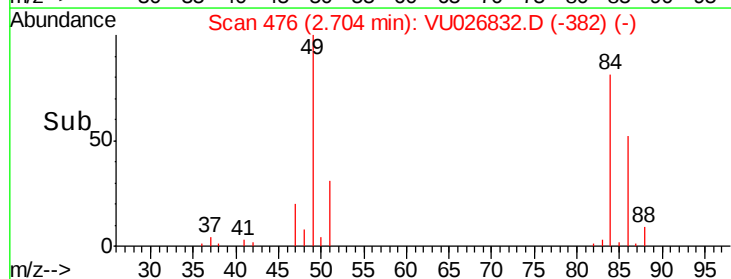
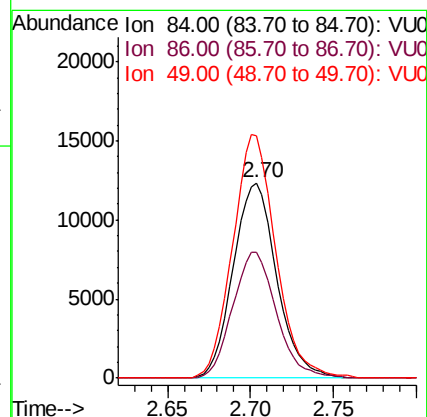
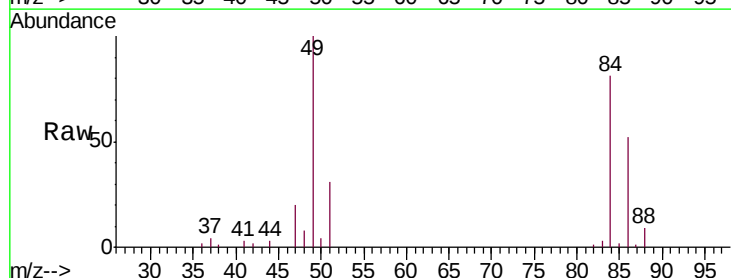
Tgt Ion: 84 Resp: 22525

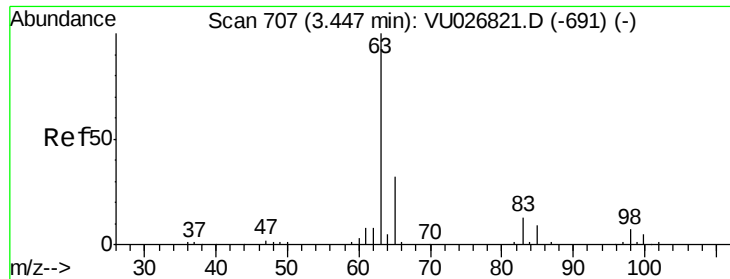
Ion Ratio Lower Upper

84 100

86 64.7 45.3 84.1

49 123.8 86.2 160.2

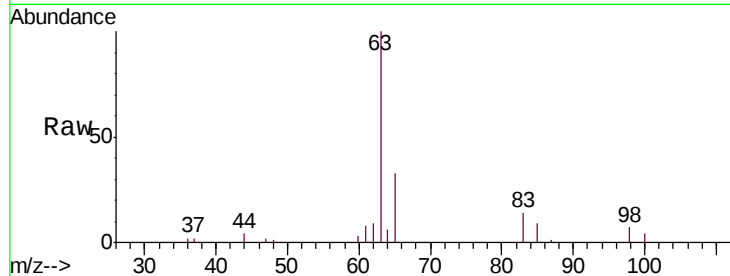




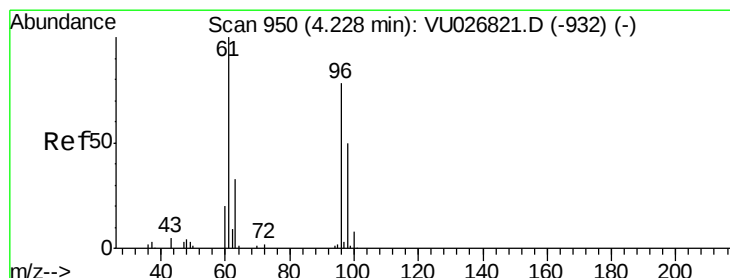
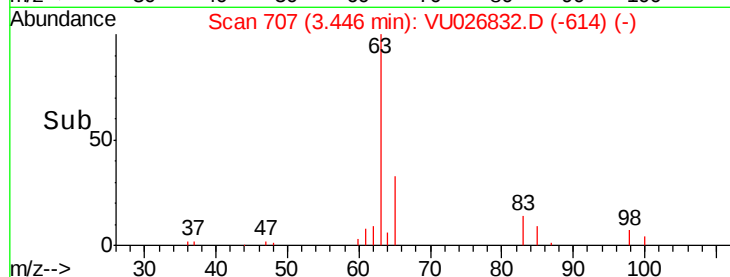
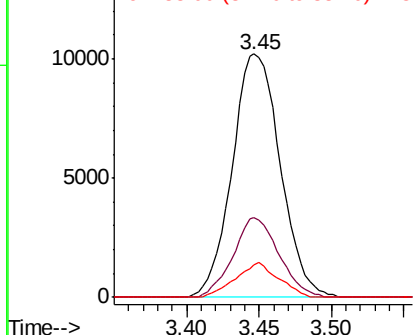
#19
 1,1-Dichloroethane
 Concen: 6.997 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D08

Tgt Ion: 63 Resp: 23554
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.1 41.1
 83 13.5 9.3 17.3

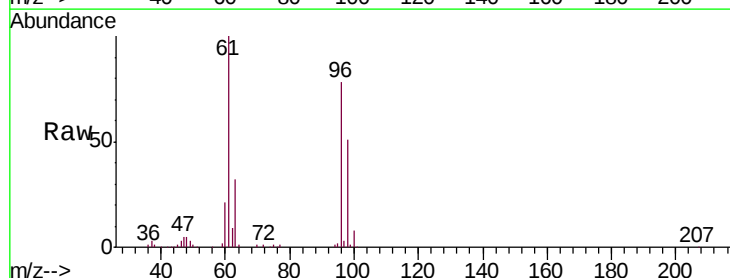


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

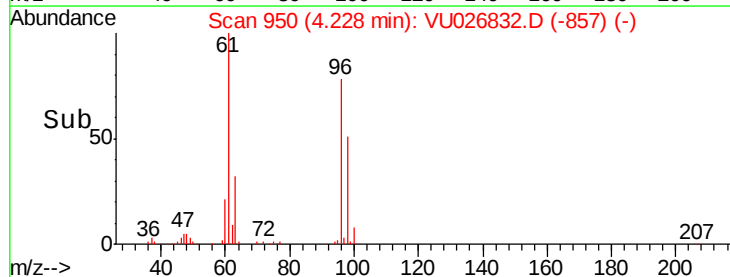
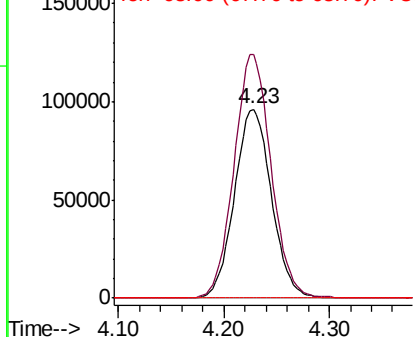


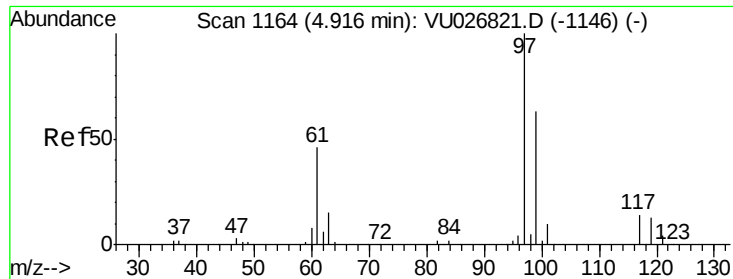
#20
 cis-1,2-Dichloroethene
 Concen: 121.959 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

Tgt Ion: 96 Resp: 234124
 Ion Ratio Lower Upper
 96 100
 61 128.8 90.2 167.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

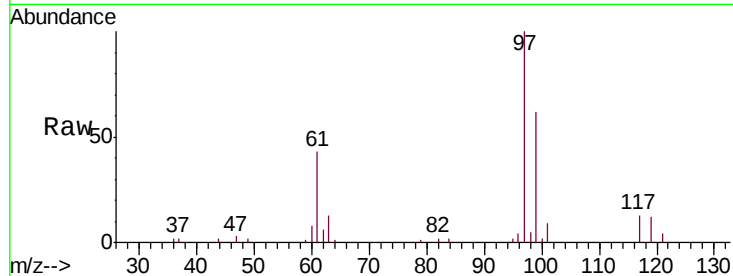




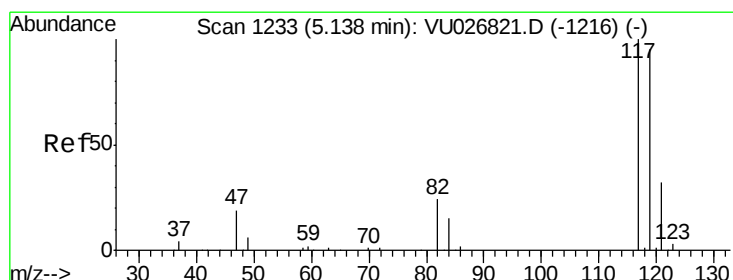
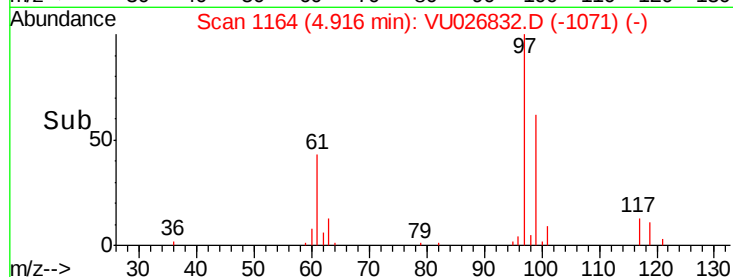
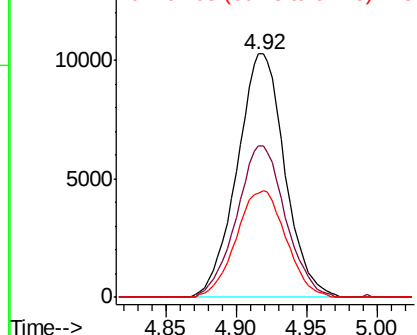
#30
 1,1,1-Trichloroethane
 Concen: 8.860 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D08

Tgt Ion: 97 Resp: 24305
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.8 77.8
 61 45.7 36.6 54.8

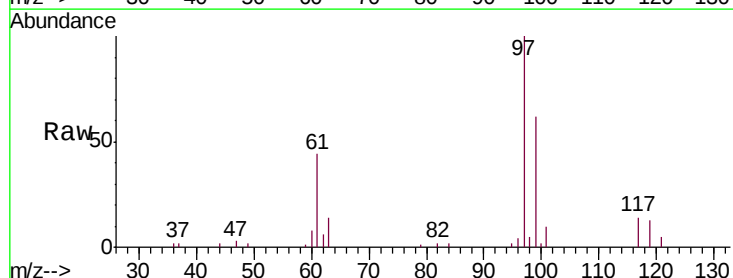


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

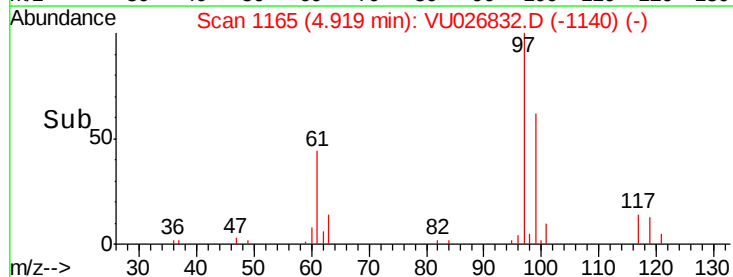
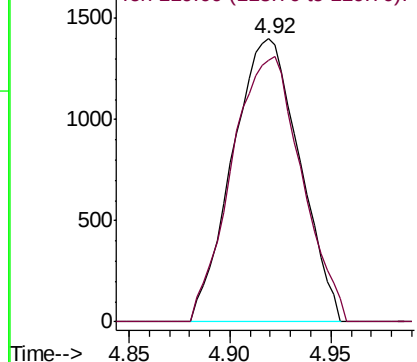


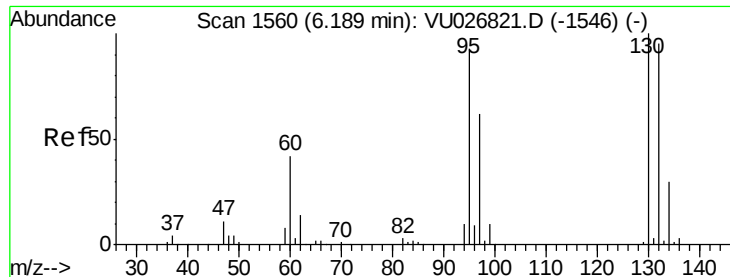
#31
 Carbon tetrachloride
 Concen: 1.317 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. -0.22 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

Tgt Ion: 117 Resp: 3238
 Ion Ratio Lower Upper
 117 100
 119 97.6 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Trichloroethene

Concen: 16.140 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

Instrument :

MSVOA_U

ClientSampleId :

C0D08

Tgt Ion: 95 Resp: 27687

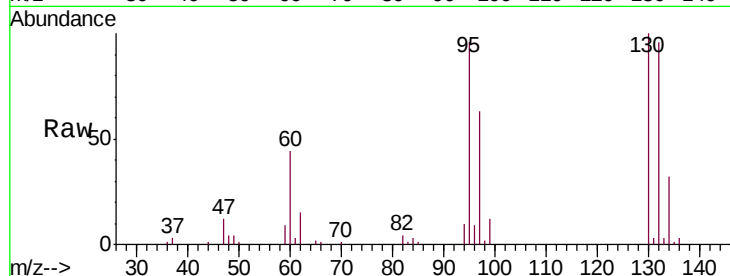
Ion Ratio Lower Upper

95 100

97 65.3 46.3 85.9

132 100.5 71.7 133.1

130 104.4 75.3 139.8

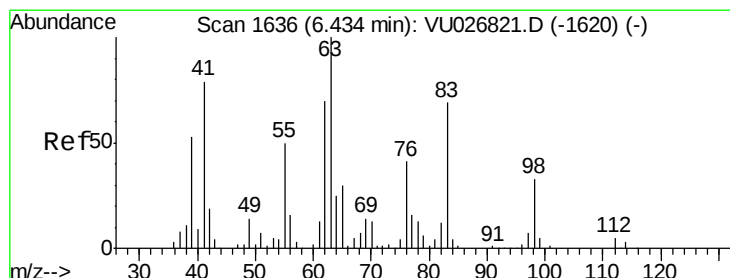
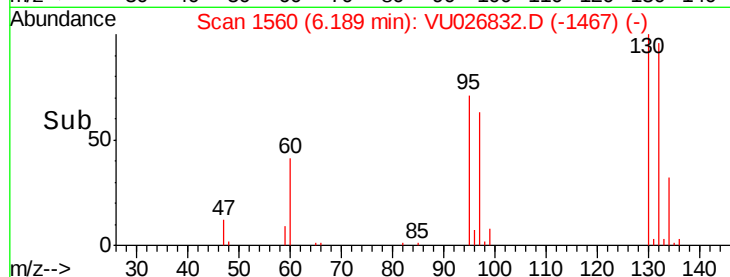
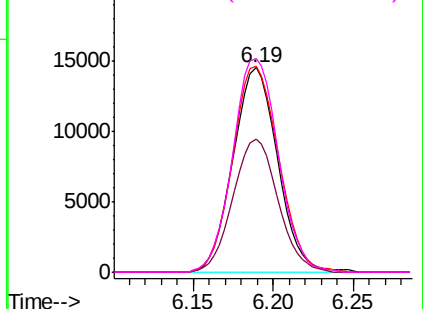


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.832 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026832.D

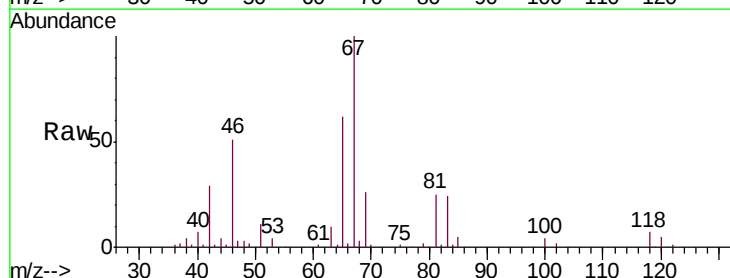
Acq: 17 Sep 2018 19:45

Tgt Ion: 63 Resp: 11453

Ion Ratio Lower Upper

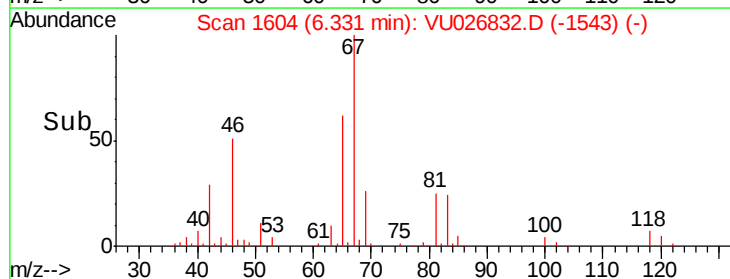
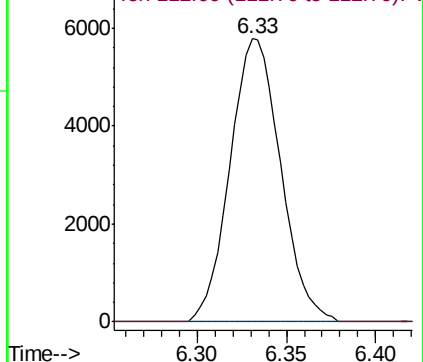
63 100

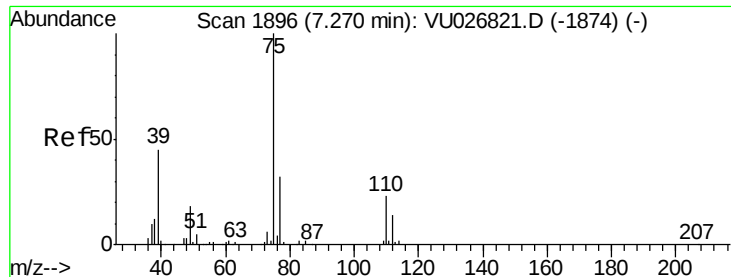
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

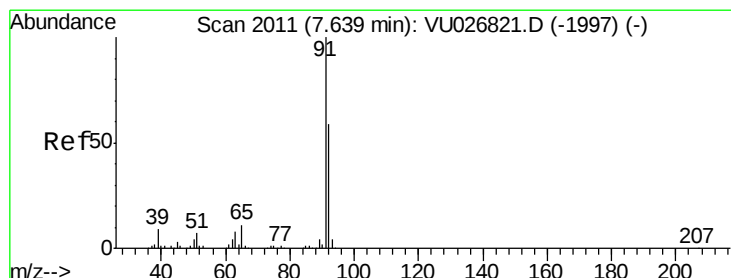
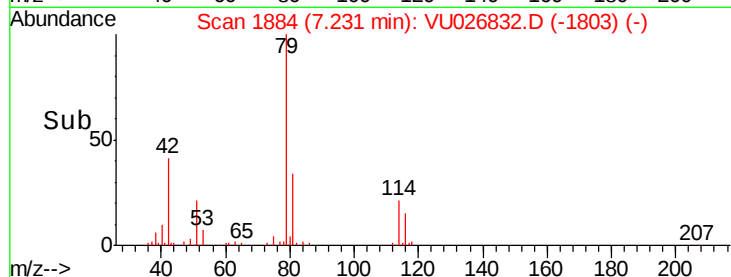
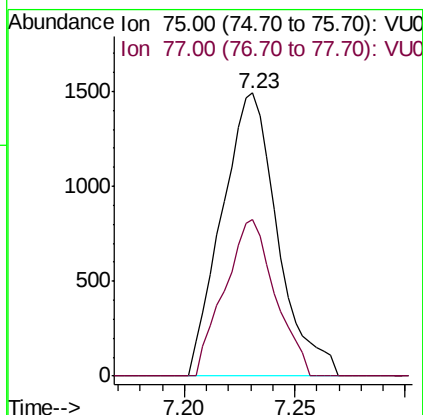
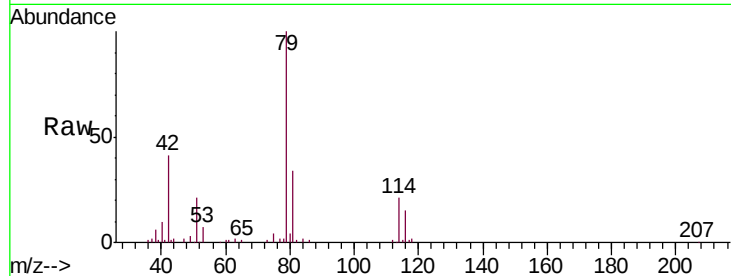




#39
 cis-1,3-Dichloropropene
 Concen: 0.945 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

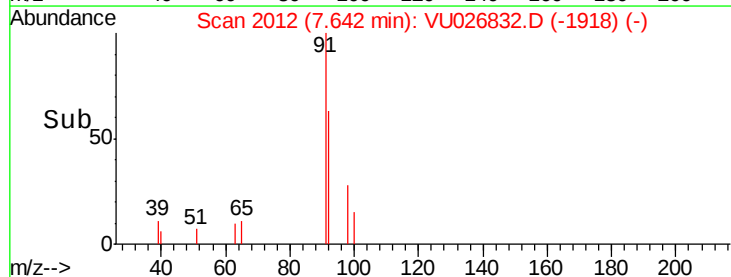
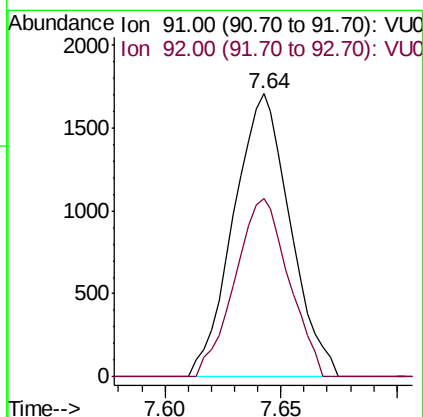
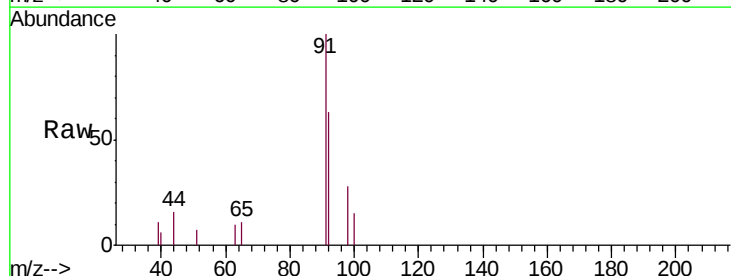
Instrument :
 MSVOA_U
 ClientSampled :
 C0D08

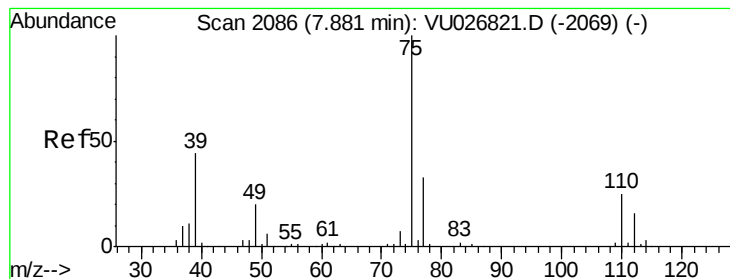
Tgt Ion: 75 Resp: 2621
 Ion Ratio Lower Upper
 75 100
 77 55.3 22.1 41.1#



#42
 Toluene
 Concen: 0.400 ug/L
 RT: 7.64 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

Tgt Ion: 91 Resp: 2895
 Ion Ratio Lower Upper
 91 100
 92 63.2 40.9 76.0





#44

trans-1,3-Dichloropropene

Concen: 0.714 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

Instrument :

MSVOA_U

ClientSampleId :

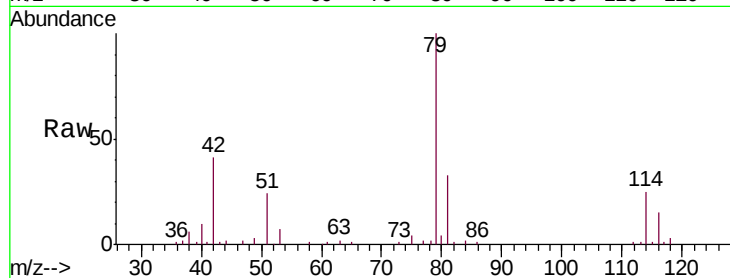
C0D08

Tgt Ion: 75 Resp: 1855

Ion Ratio Lower Upper

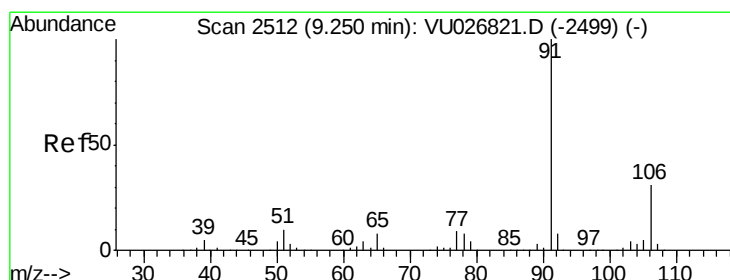
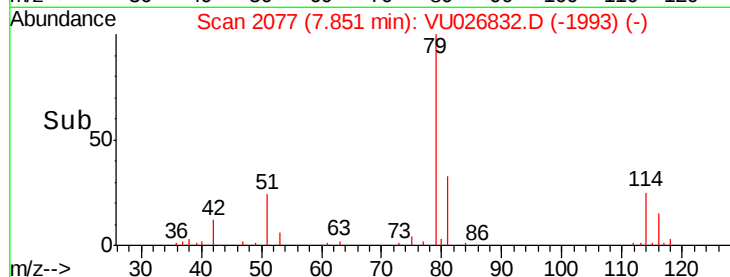
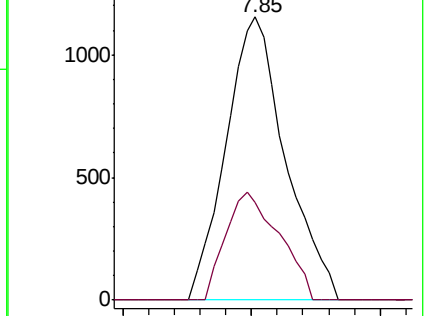
75 100

77 34.5 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#52

Ethylbenzene

Concen: 0.863 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026832.D

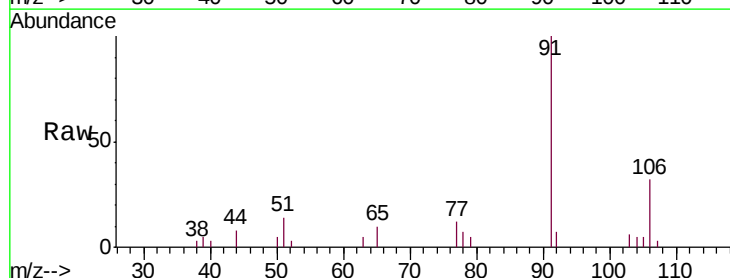
Acq: 17 Sep 2018 19:45

Tgt Ion: 91 Resp: 6542

Ion Ratio Lower Upper

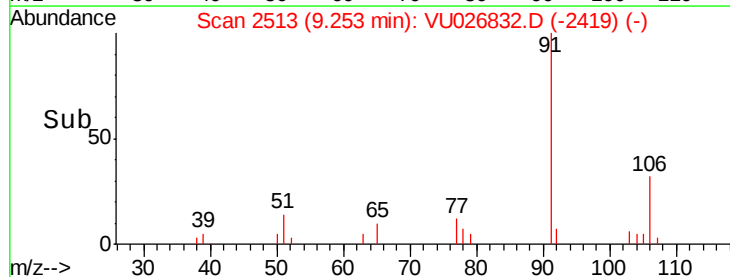
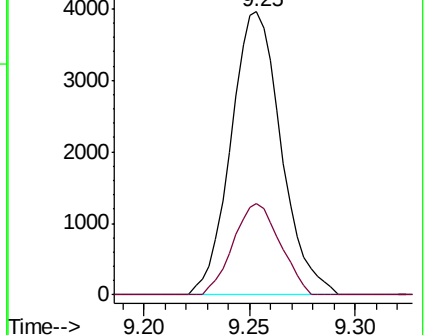
91 100

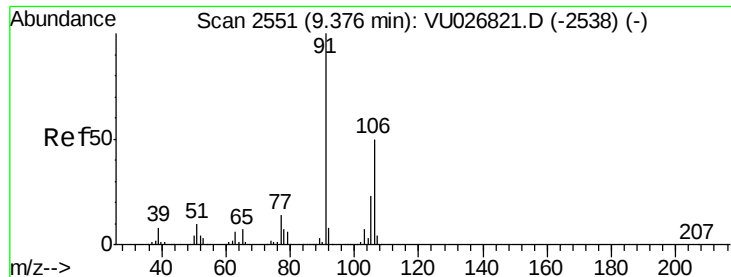
106 32.4 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 2.383 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026832.D

Acq: 17 Sep 2018 19:45

Instrument :

MSVOA_U

ClientSampleId :

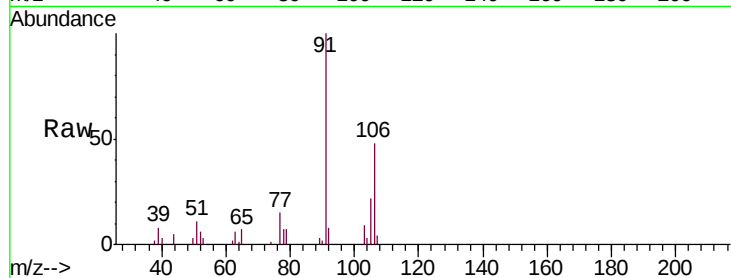
C0D08

Tgt Ion:106 Resp: 6943

Ion Ratio Lower Upper

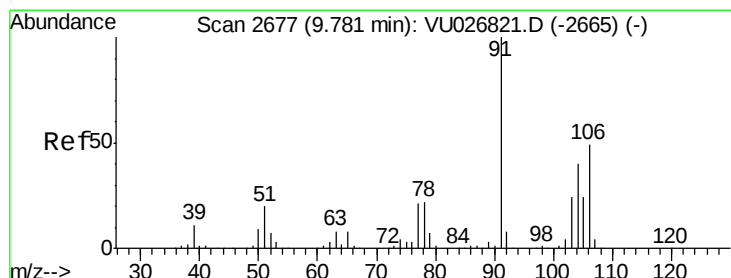
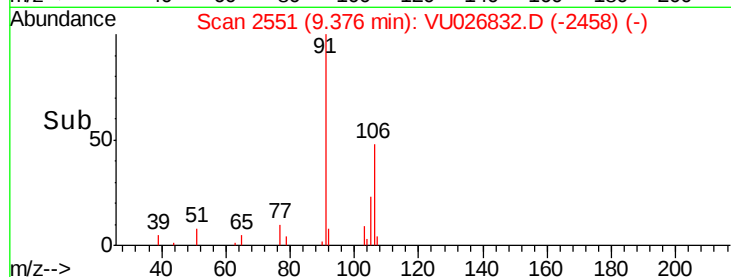
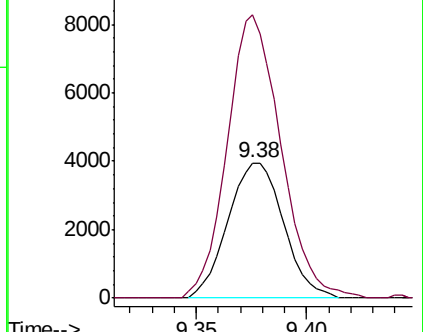
106 100

91 209.7 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 0.920 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026832.D

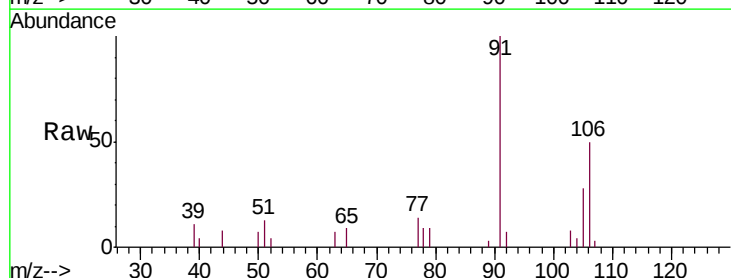
Acq: 17 Sep 2018 19:45

Tgt Ion:106 Resp: 2611

Ion Ratio Lower Upper

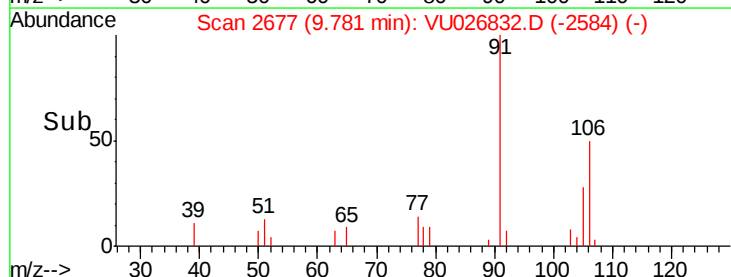
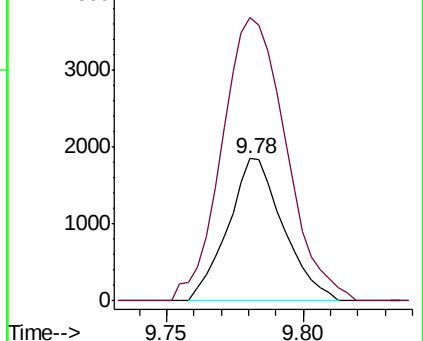
106 100

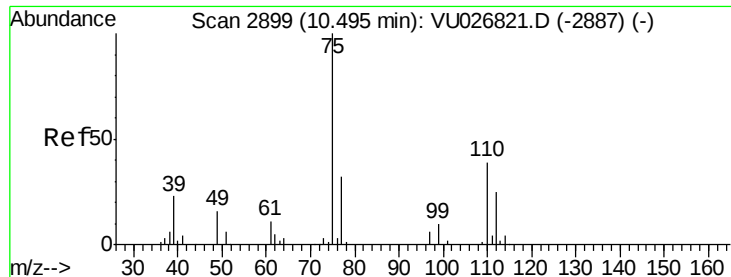
91 199.2 143.1 265.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

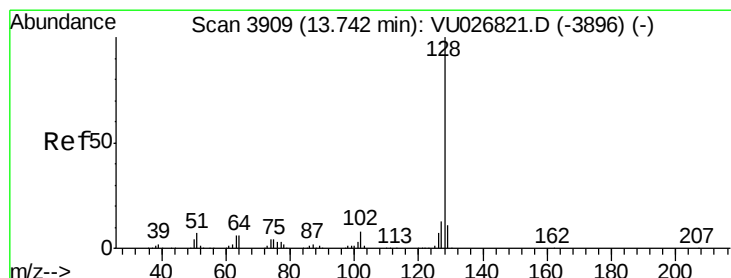
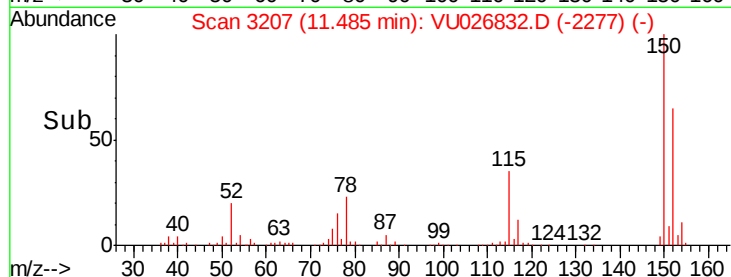
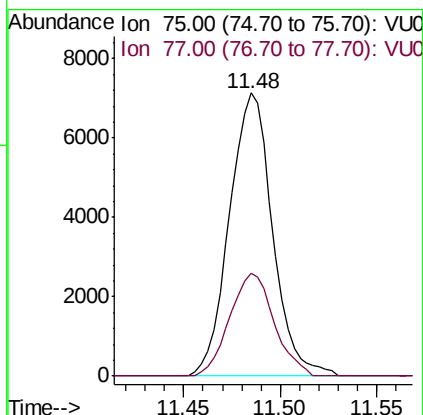
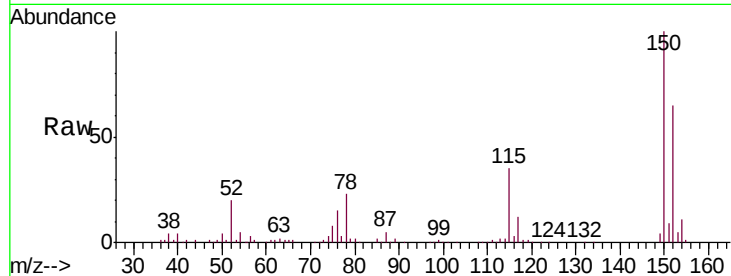




#59
 1,2,3-Trichloropropane
 Concen: 4.701 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D08

Tgt Ion: 75 Resp: 11058
 Ion Ratio Lower Upper
 75 100
 77 37.5 25.5 38.3



#69
 Naphthalene
 Concen: 2.793 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU026832.D
 Acq: 17 Sep 2018 19:45

Tgt Ion: 128 Resp: 15765
 Ion Ratio Lower Upper
 128 100
 127 11.8 10.2 15.4
 129 9.5 8.6 12.8

