

Data File : VU026962.D
Acq On : 21 Sep 2018 02:47
Operator : MD/SY
Sample : J5012-19 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08Q8

Quant Time: Sep 21 06:05:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	197356	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	178794	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75653	51.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.64%
7) Chloroethane-d5	1.67	69	70541	56.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.90%
11) 1,1-Dichloroethene-d2	2.27	63	98145	35.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.06%
21) 2-Butanone-d5	4.18	46	137627	142.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	142.06%#
24) Chloroform-d	4.65	84	145810	53.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.68%
26) 1,2-Dichloroethane-d4	5.31	65	99263	58.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.42%
32) Benzene-d6	5.34	84	277339	55.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.70%
36) 1,2-Dichloropropane-d6	6.33	67	97572	60.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	120.88%#
41) Toluene-d8	7.57	98	212924	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%
43) trans-1,3-Dichloropropene-	7.85	79	38550	53.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.96%
47) 2-Hexanone-d5	8.31	63	95502	150.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	150.51%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	140811	62.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	125.10%#
64) 1,2-Dichlorobenzene-d4	11.86	152	92390	61.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.86%#

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	909	0.667 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	826	0.645 ug/L #	1
13) Acetone	2.32	43	969	1.018 ug/L	71
25) Chloroform	4.67	83	8673	3.150 ug/L	100
27) 1,2-Dichloroethane	5.39	62	3063	1.425 ug/L #	72
33) Benzene	5.39	78	333253	60.118 ug/L	100
35) Methylcyclohexane	6.33	83	22986	10.601 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	10199	6.698 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2027	0.942 ug/L #	72
44) trans-1,3-Dichloropropene	7.85	75	1647	0.818 ug/L	100
48) 2-Hexanone	8.31	43	11863	8.128 ug/L #	66
51) Chlorobenzene	9.12	112	288814	75.877 ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	9530	5.225 ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	35595	16.282 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	183889	76.390 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	322374	133.177 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	17406	10.289 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
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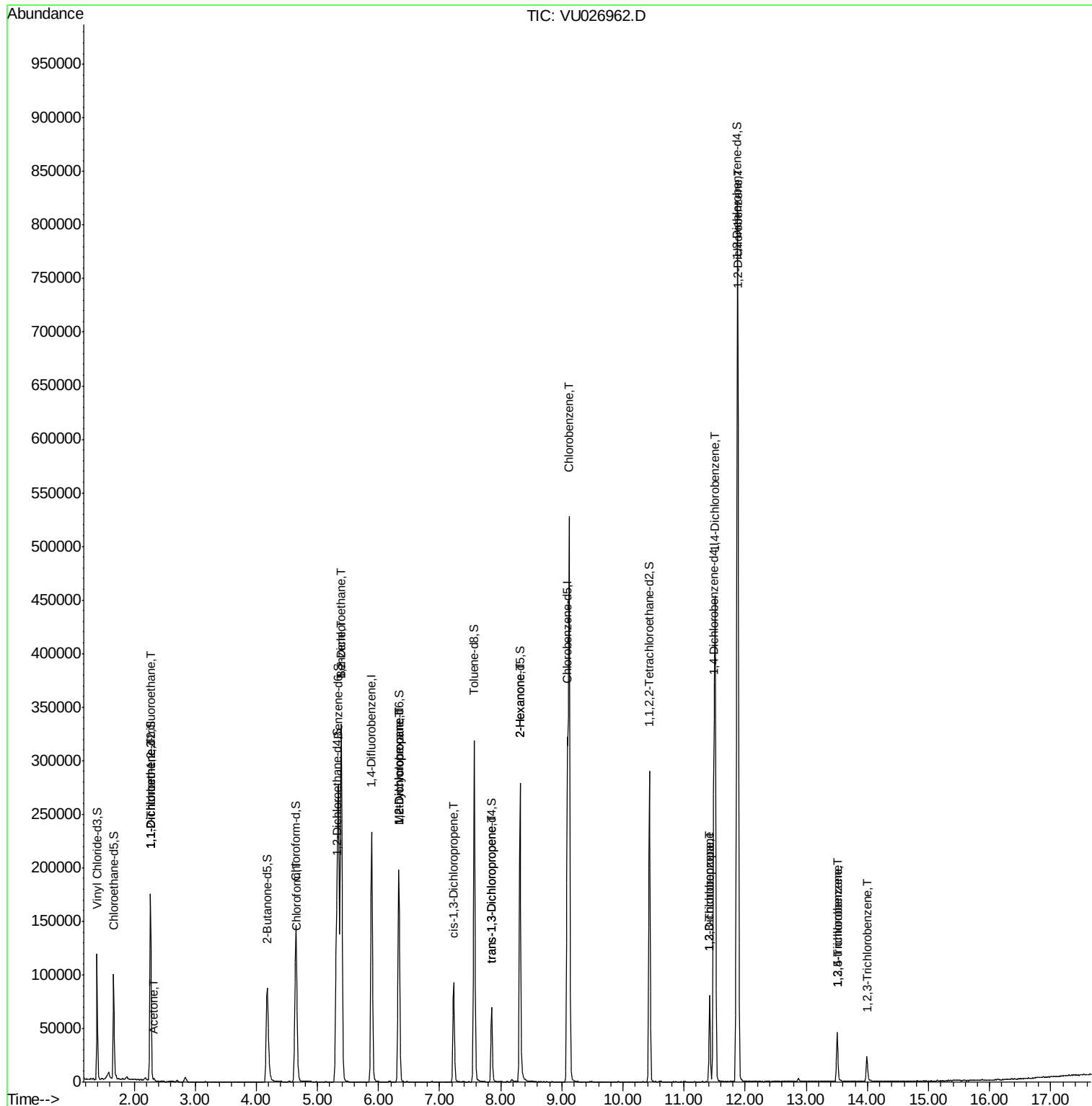
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.50	180	17406	11.940	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	9618	5.991	ug/L	98

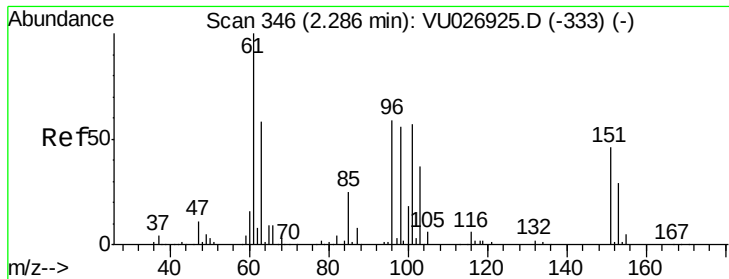
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.667 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU026962.D

Acq: 21 Sep 2018 02:47

Instrument :

MSVOA_U

ClientSampleId :

C08Q8

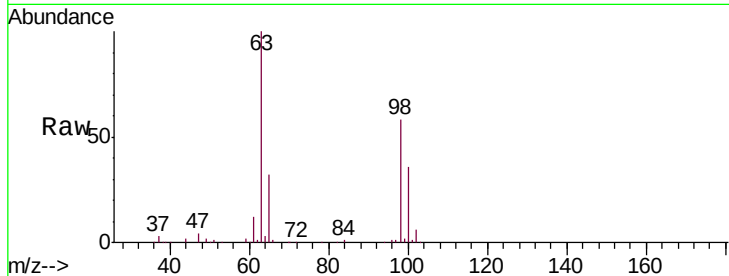
Tgt Ion: 101 Resp: 909

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

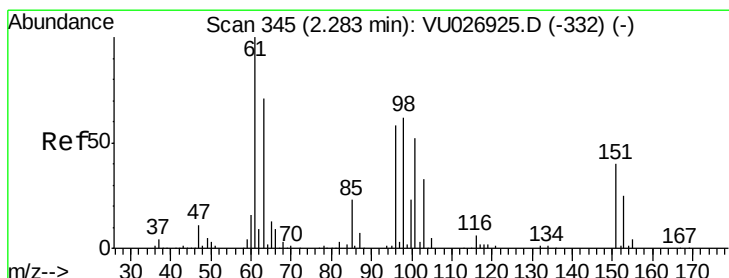
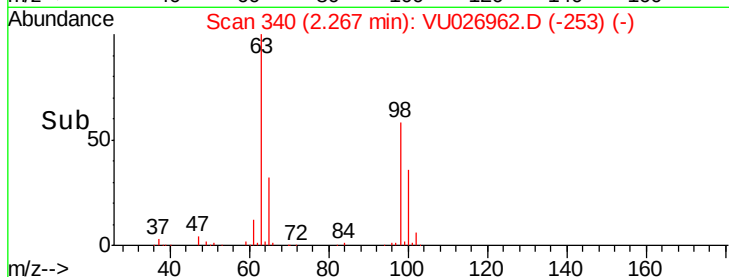
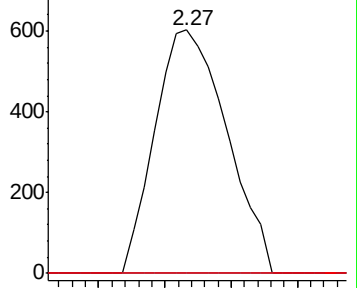
151 0.0 63.0 94.4#



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: 0.645 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026962.D

Acq: 21 Sep 2018 02:47

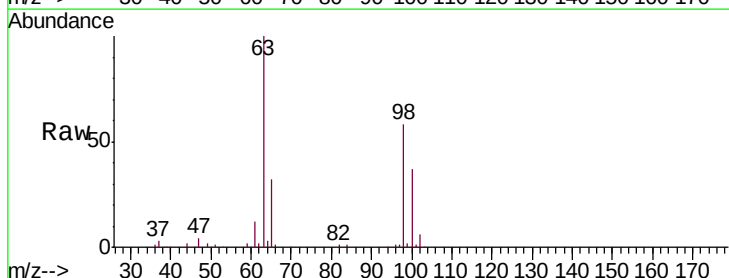
Tgt Ion: 96 Resp: 826

Ion Ratio Lower Upper

96 100

61 1309.6 124.0 230.4#

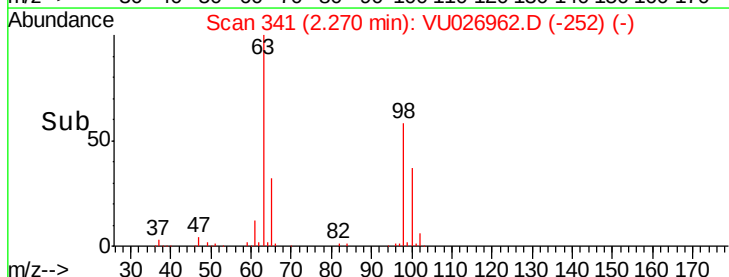
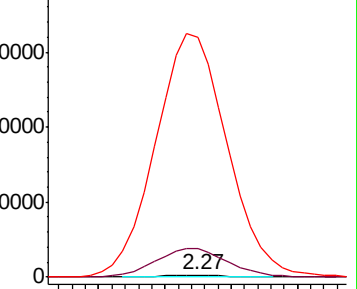
63 10953.4 97.7 181.5#

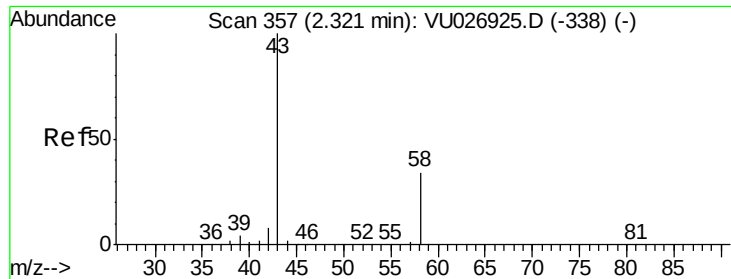


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.018 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026962.D

Acq: 21 Sep 2018 02:47

Instrument :

MSVOA_U

ClientSampleId :

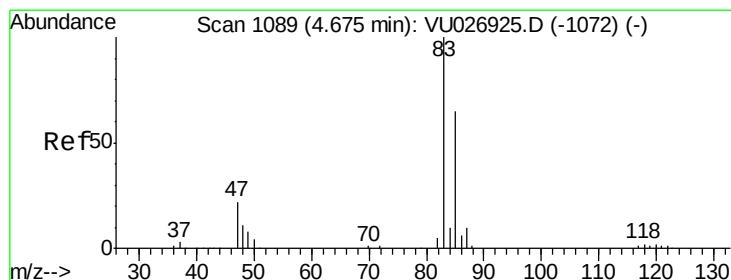
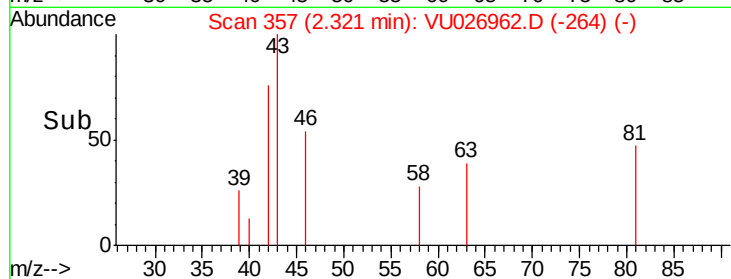
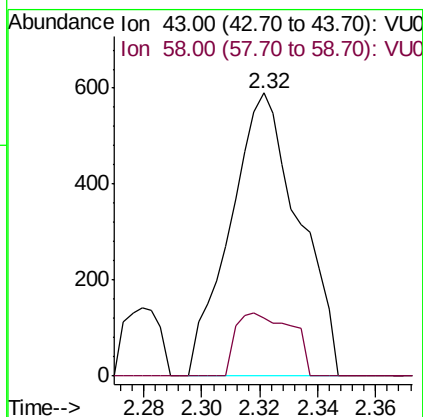
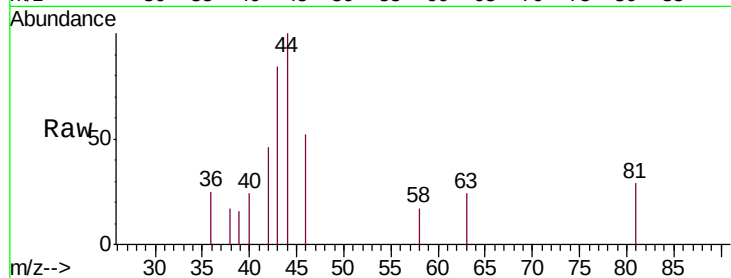
C08Q8

Tgt Ion: 43 Resp: 969

Ion Ratio Lower Upper

43 100

58 16.1 0.0 64.6



#25

Chloroform

Concen: 3.150 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU026962.D

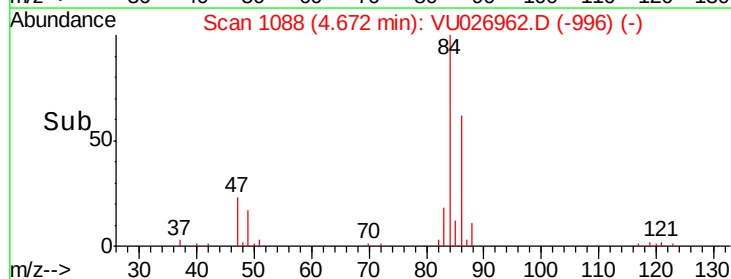
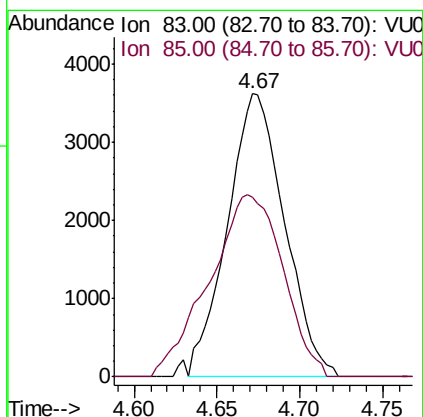
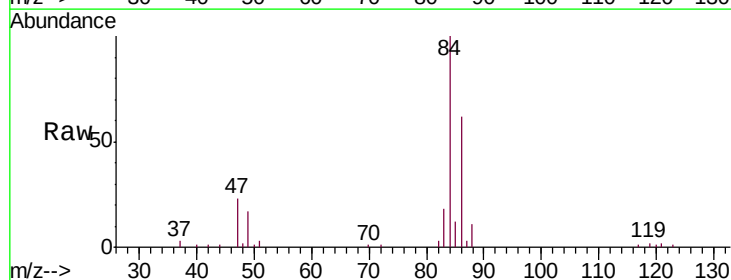
Acq: 21 Sep 2018 02:47

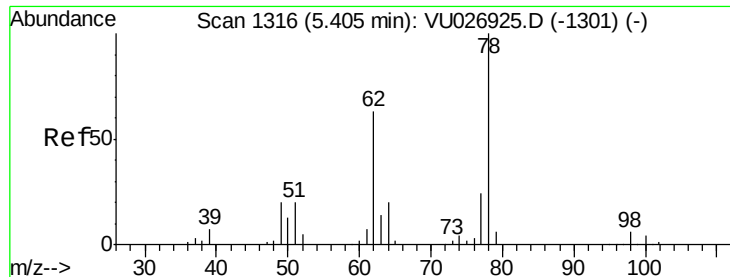
Tgt Ion: 83 Resp: 8673

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.5

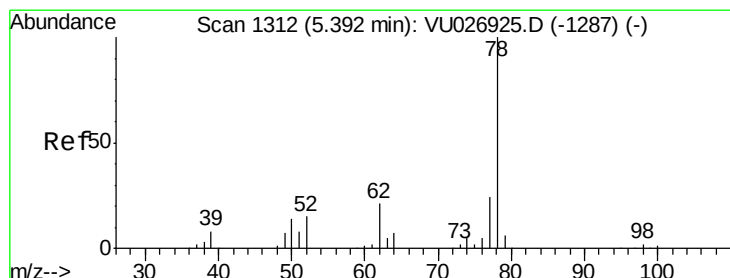
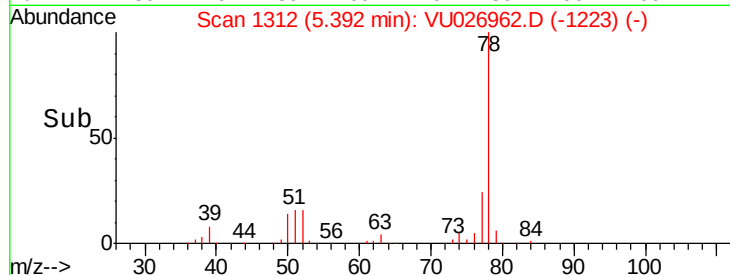
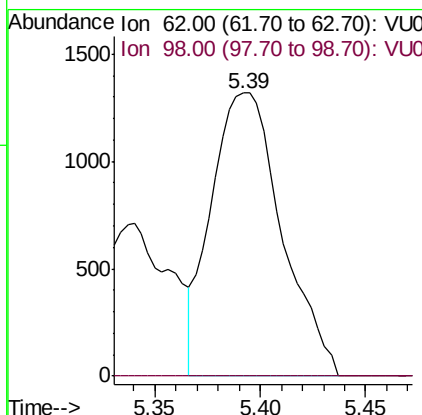
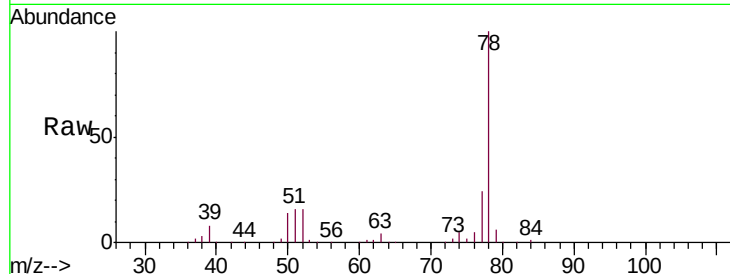




#27
 1,2-Dichloroethane
 Concen: 1.425 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

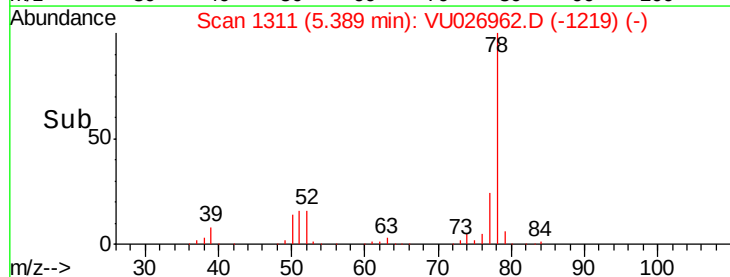
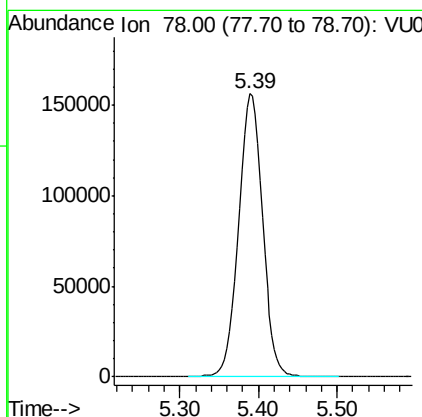
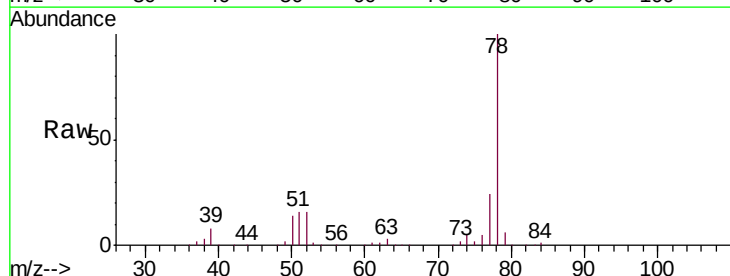
Instrument :
 MSVOA_U
 ClientSampled :
 C08Q8

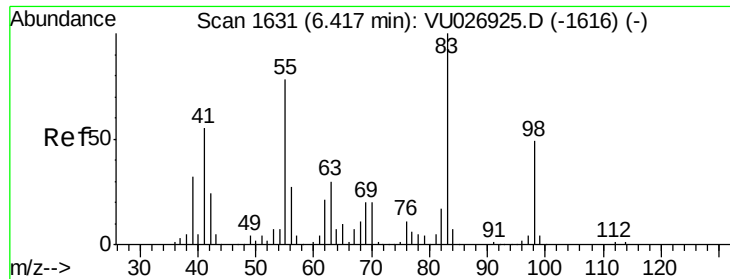
Tgt Ion: 62 Resp: 3063
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#33
 Benzene
 Concen: 60.118 ug/L
 RT: 5.39 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Tgt Ion: 78 Resp: 333253

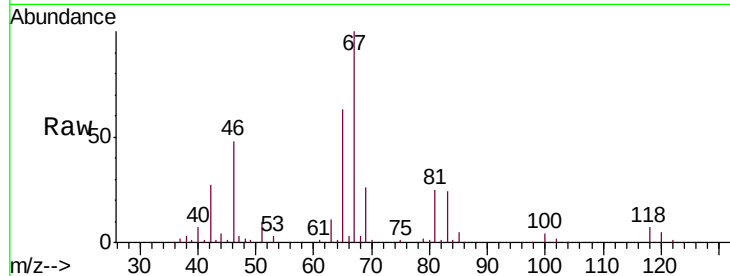




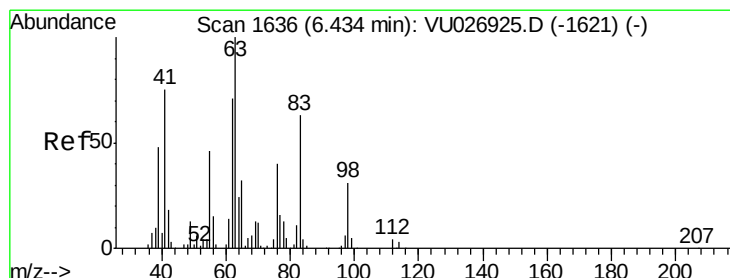
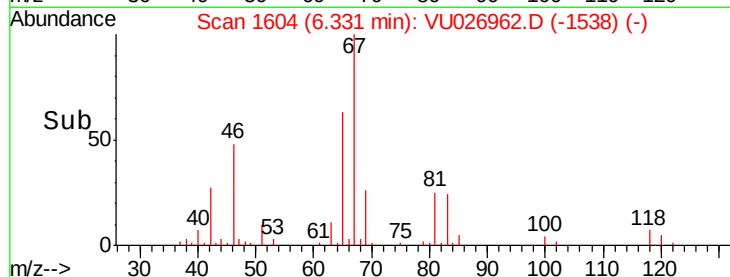
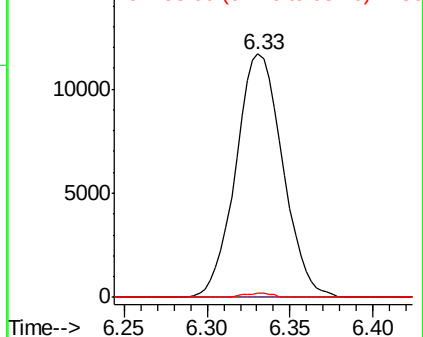
#35
Methylcyclohexane
Concen: 10.601 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026962.D
Acq: 21 Sep 2018 02:47

Instrument :
MSVOA_U
ClientSampleId :
C08Q8

Tgt Ion: 83 Resp: 22986
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 1.0 38.3 57.5#

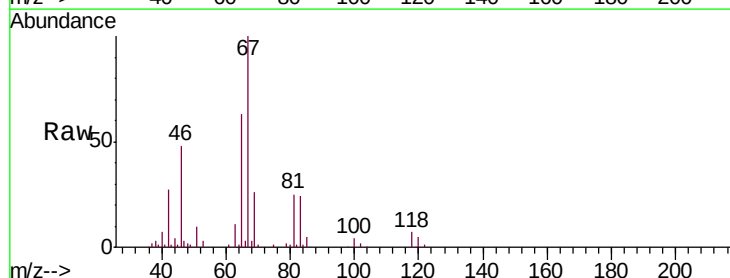


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

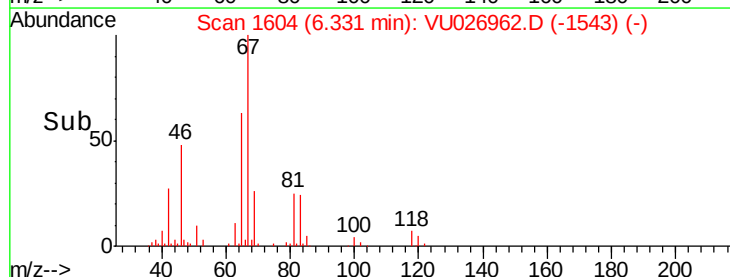
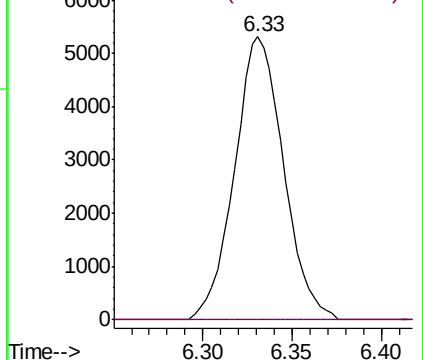


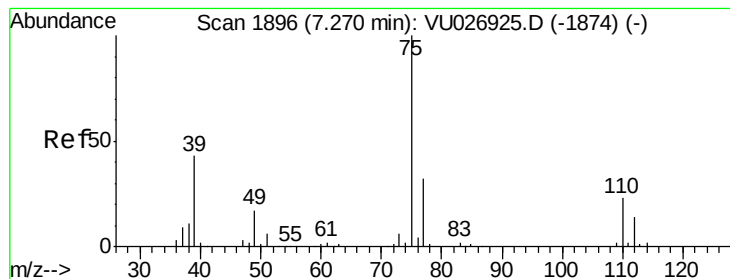
#37
1,2-Dichloropropane
Concen: 6.698 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026962.D
Acq: 21 Sep 2018 02:47

Tgt Ion: 63 Resp: 10199
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



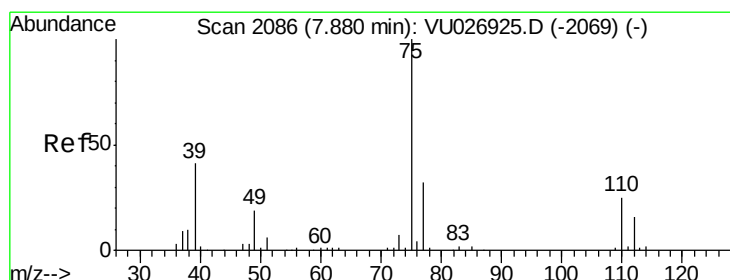
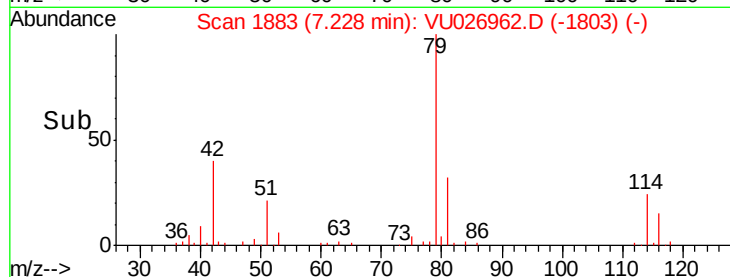
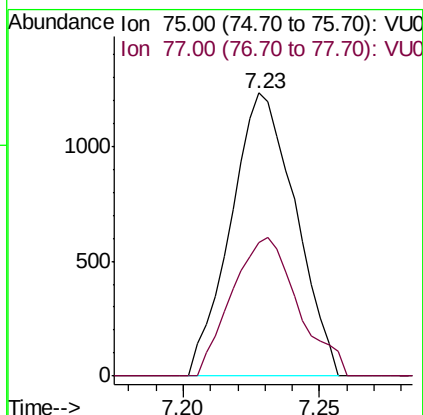
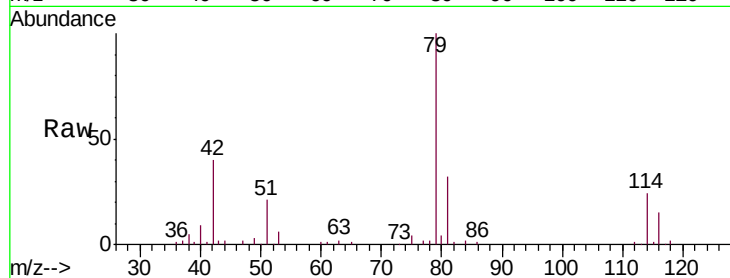


#39

cis-1,3-Dichloropropene
 Concen: 0.942 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Instrument :
 MSVOA_U
 ClientSampled :
 C08Q8

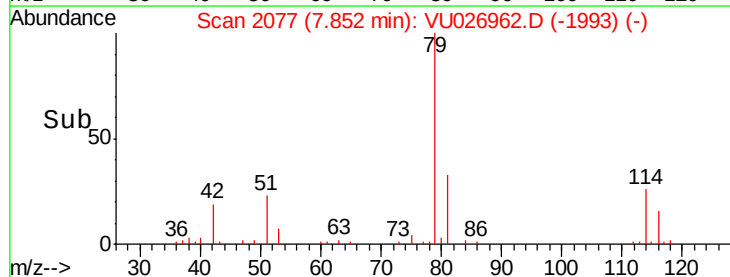
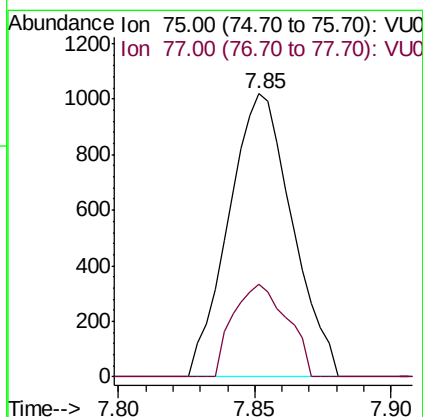
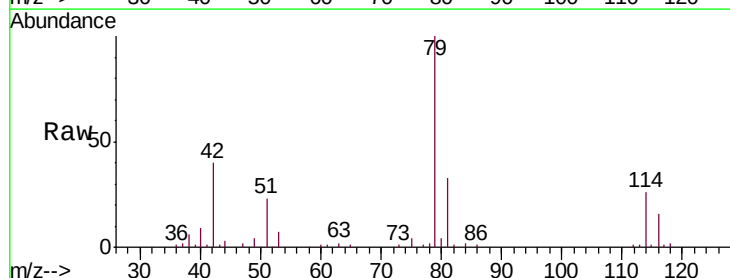
Tgt Ion: 75 Resp: 2027
 Ion Ratio Lower Upper
 75 100
 77 47.3 22.1 41.1#

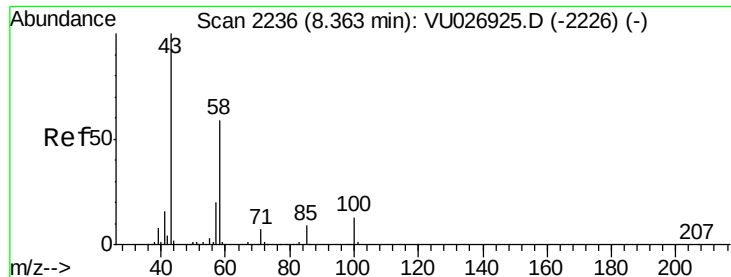


#44

trans-1,3-Dichloropropene
 Concen: 0.818 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Tgt Ion: 75 Resp: 1647
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.8 42.4

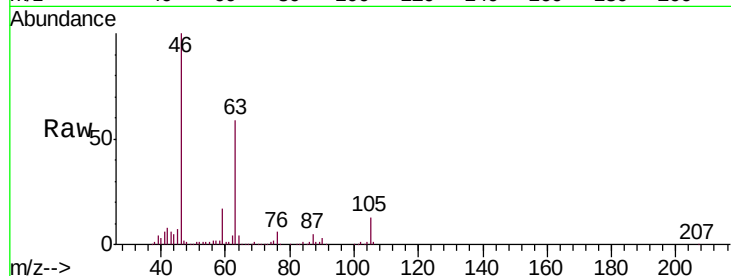




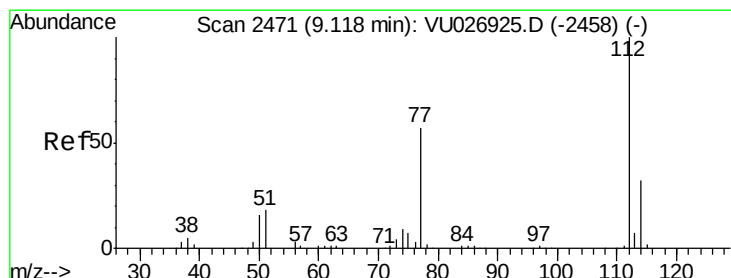
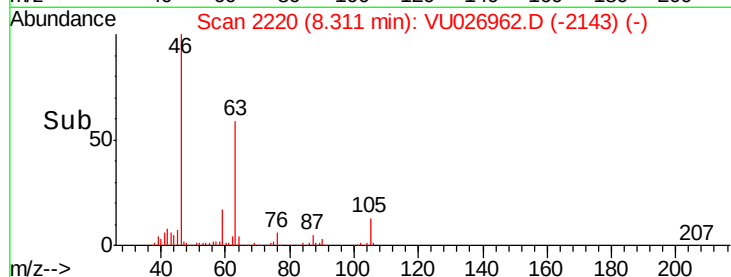
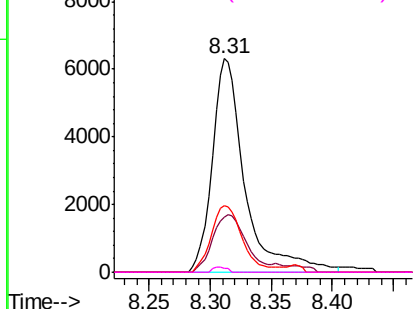
#48
 2-Hexanone
 Concen: 8.128 ug/L
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Instrument :
 MSVOA_U
 ClientSampleID :
 C08Q8

Tgt Ion: 43 Resp: 11863
 Ion Ratio Lower Upper
 43 100
 58 27.5 44.9 67.3#
 57 29.4 15.4 23.2#
 100 1.1 10.2 15.4#

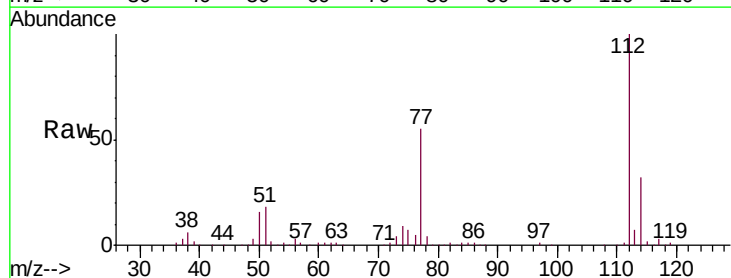


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

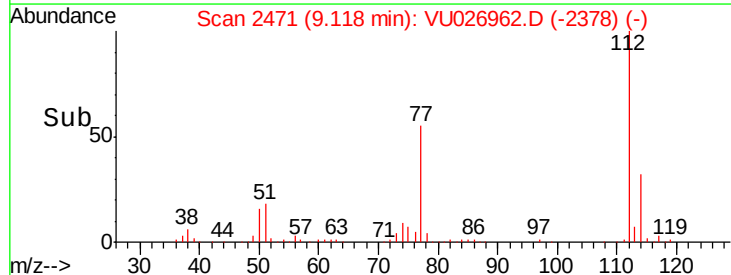
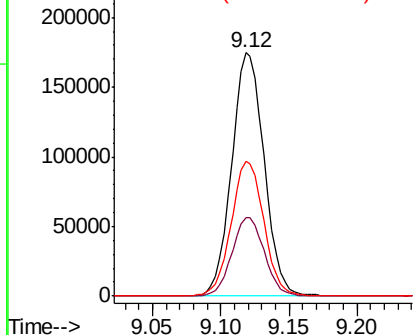


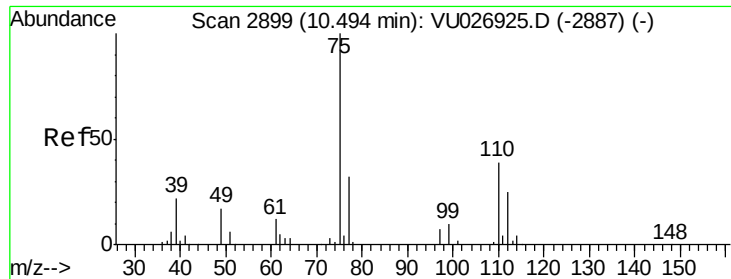
#51
 Chlorobenzene
 Concen: 75.877 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Tgt Ion: 112 Resp: 288814
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.3 41.5
 77 55.4 45.1 67.7



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.225 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026962.D

Acq: 21 Sep 2018 02:47

Instrument :

MSVOA_U

ClientSampleId :

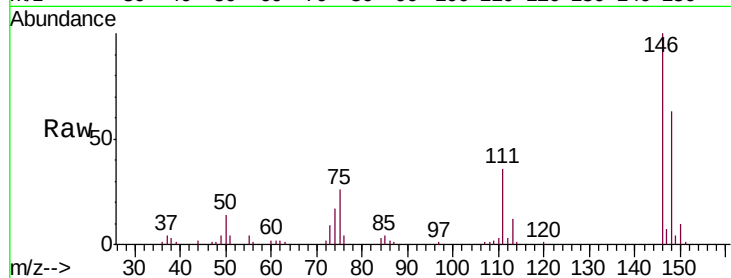
C08Q8

Tgt Ion: 75 Resp: 9530

Ion Ratio Lower Upper

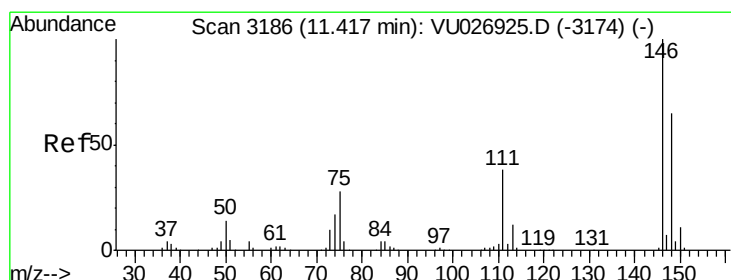
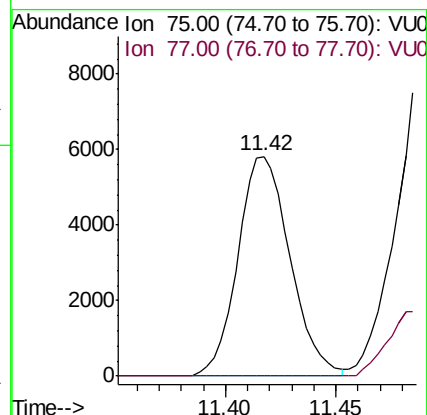
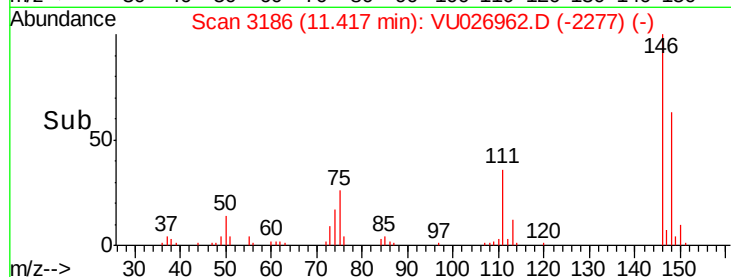
75 100

77 0.0 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 16.282 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026962.D

Acq: 21 Sep 2018 02:47

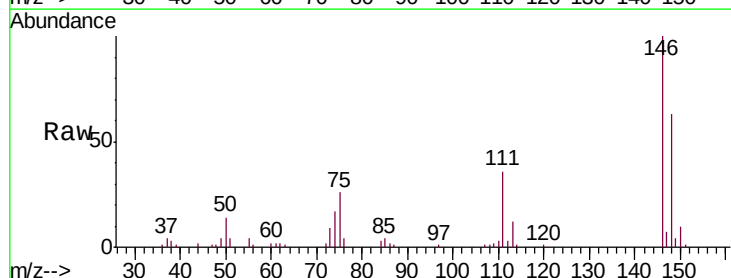
Tgt Ion: 146 Resp: 35595

Ion Ratio Lower Upper

146 100

111 36.0 26.7 49.7

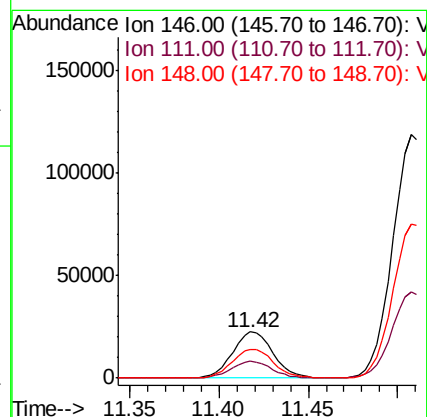
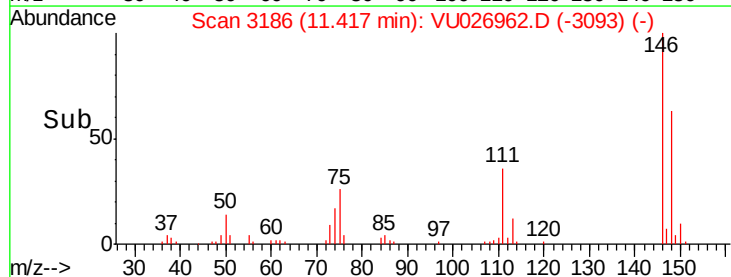
148 62.8 44.9 83.5

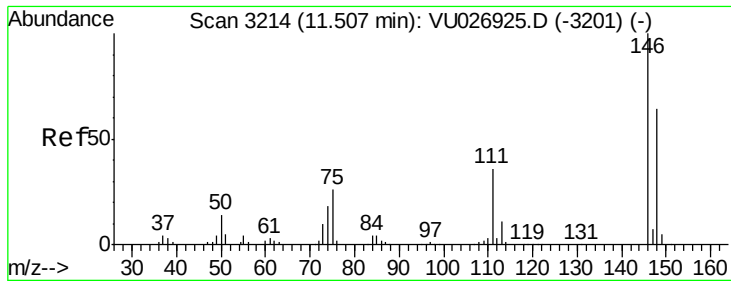


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

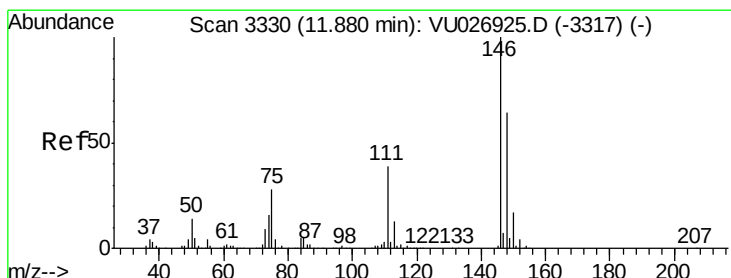
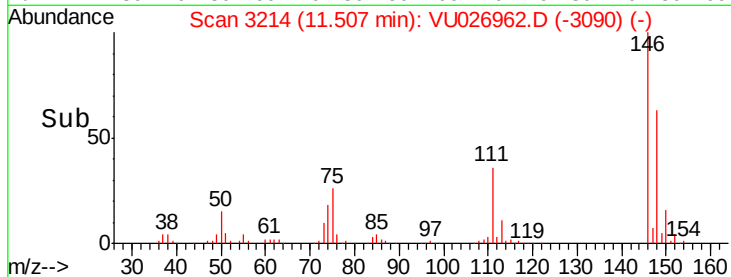
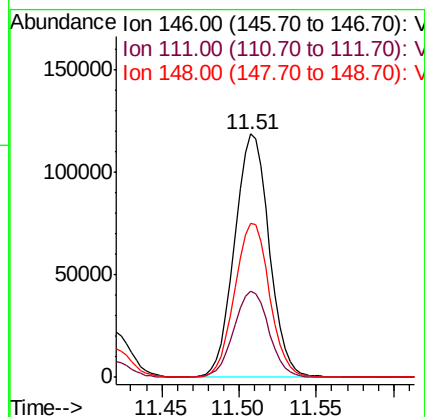
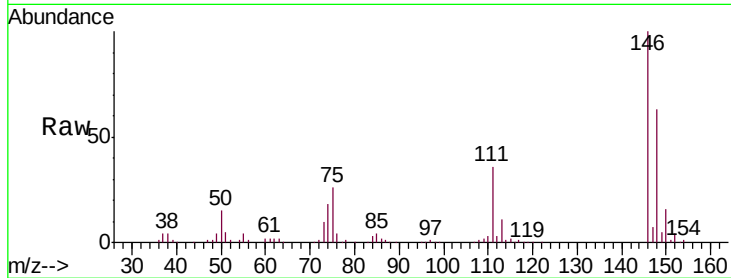




#63
 1,4-Dichlorobenzene
 Concen: 76.390 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

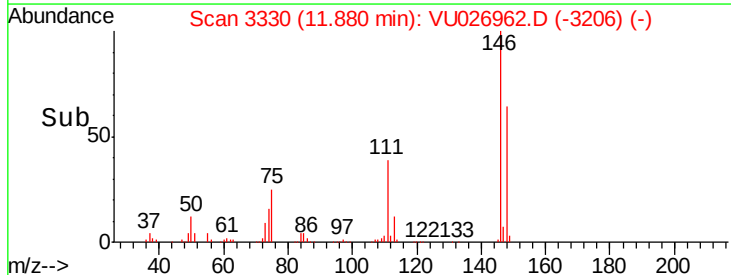
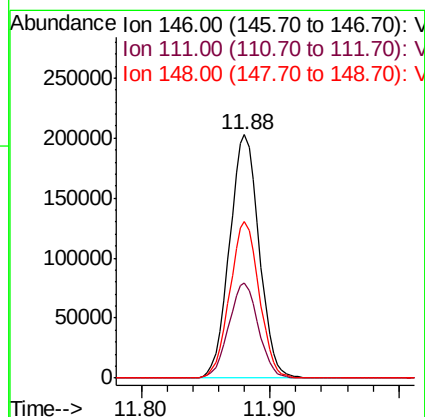
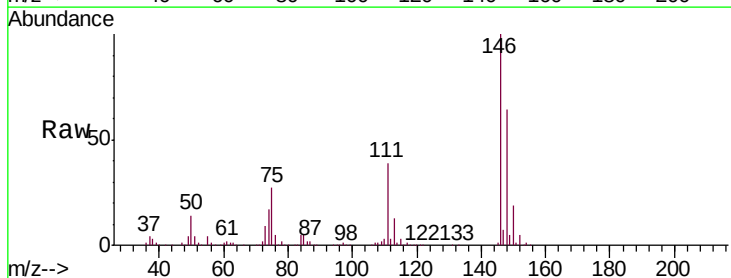
Instrument :
 MSVOA_U
 ClientSampleId :
 C08Q8

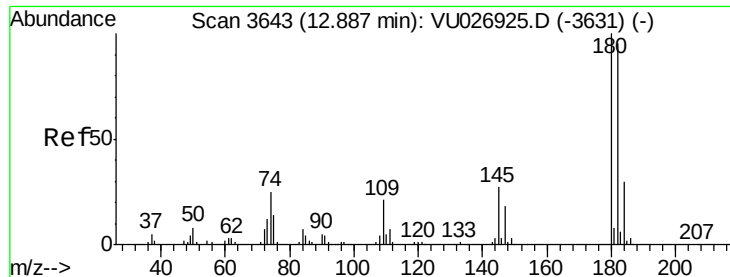
Tgt Ion:146 Resp: 183889
 Ion Ratio Lower Upper
 146 100
 111 35.6 26.0 48.2
 148 63.3 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 133.177 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Tgt Ion:146 Resp: 322374
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.4 47.0
 148 64.3 51.4 77.2

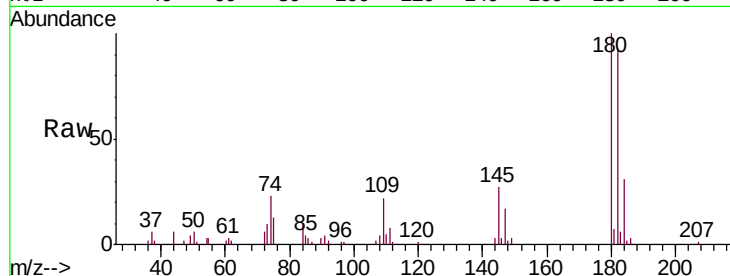




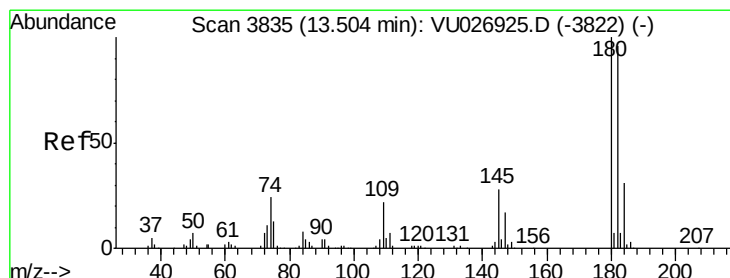
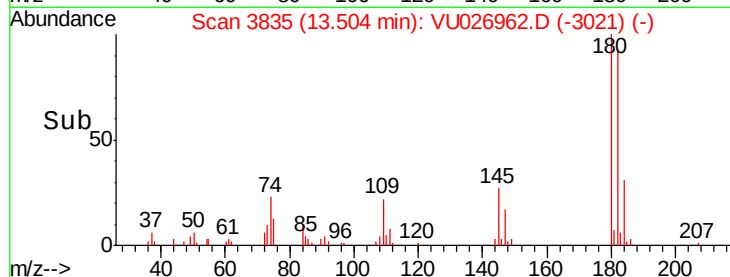
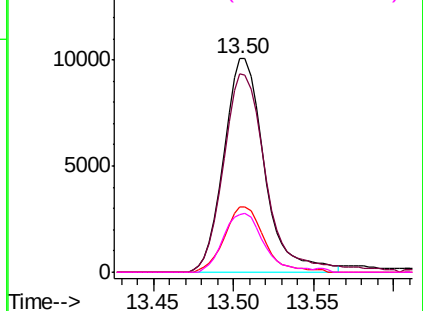
#67
 1,3,5-Trichlorobenzene
 Concen: 10.289 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C08Q8

Tgt Ion:180 Resp: 17406
 Ion Ratio Lower Upper
 180 100
 182 98.3 76.7 115.1
 184 30.0 24.2 36.4
 145 27.5 21.8 32.6

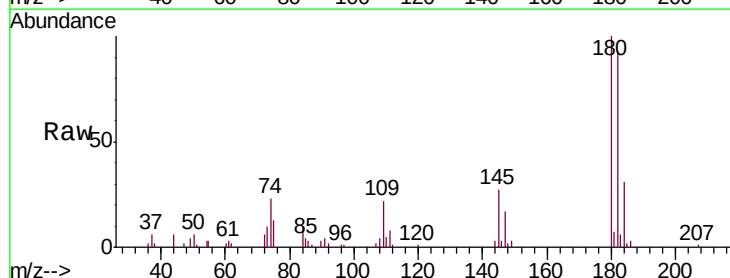


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

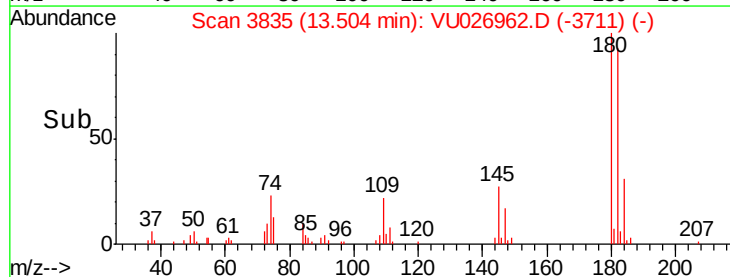
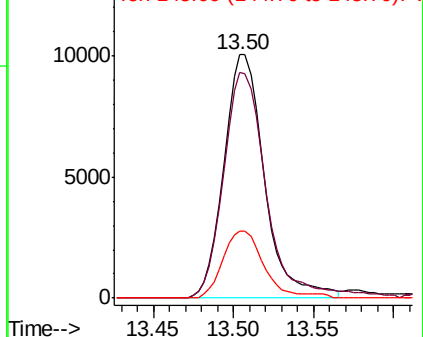


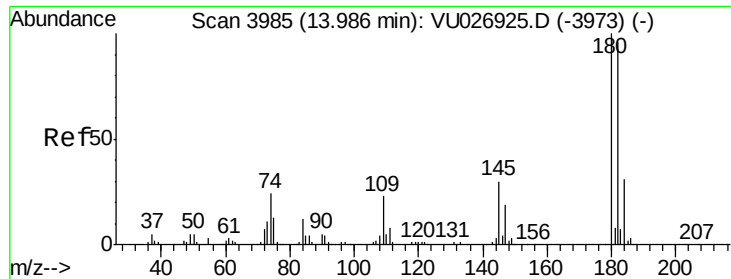
#68
 1,2,4-trichlorobenzene
 Concen: 11.940 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Tgt Ion:180 Resp: 17406
 Ion Ratio Lower Upper
 180 100
 182 98.3 76.8 115.2
 145 27.5 22.2 33.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

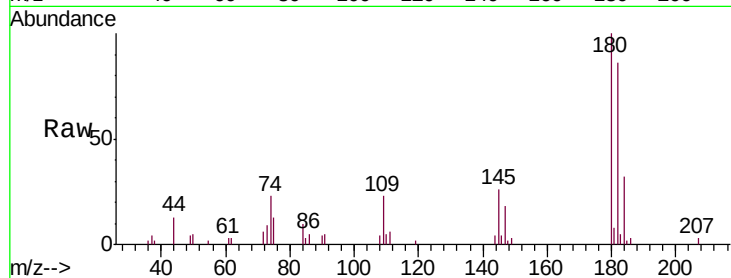




#70
 1,2,3-Trichlorobenzene
 Concen: 5.991 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026962.D
 Acq: 21 Sep 2018 02:47

Instrument :
 MSVOA_U
 ClientSampleId :
 C08Q8

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.6	113.4
145	27.7	23.8	35.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

