

Data File : VU026931.D
Acq On : 20 Sep 2018 12:20
Operator : MD/SY
Sample : J4893-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K1

Quant Time: Sep 21 04:25:06 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	282145	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	274270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	136671	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82642	39.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.20%
7) Chloroethane-d5	1.68	69	70553	39.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.98%
11) 1,1-Dichloroethene-d2	2.27	63	119430	30.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.48%
21) 2-Butanone-d5	4.18	46	114251	82.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.49%
24) Chloroform-d	4.65	84	142076	36.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.40%
26) 1,2-Dichloroethane-d4	5.31	65	91311	37.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.92%
32) Benzene-d6	5.34	84	293795	38.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.44%
36) 1,2-Dichloropropane-d6	6.33	67	96198	38.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.68%
41) Toluene-d8	7.57	98	253803	36.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.10%#
43) trans-1,3-Dichloropropene-	7.85	79	40076	36.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.48%
47) 2-Hexanone-d5	8.31	63	76302	78.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127367	36.88	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.76%
64) 1,2-Dichlorobenzene-d4	11.48	152	125908	44.29	ug/L	-0.38
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.58%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1143	0.587	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1008	0.551	ug/L #	1
13) Acetone	2.32	43	2409	1.770	ug/L	91
37) 1,2-Dichloropropane	6.33	63	9505	4.069	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2316	0.702	ug/L #	56
44) trans-1,3-Dichloropropene	7.85	75	1642	0.531	ug/L	89
48) 2-Hexanone	8.31	43	8763	3.914	ug/L #	67
51) Chlorobenzene	9.12	112	1030115	176.422	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	23276	8.319	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	85518	20.526	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	227965	49.690	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	1455209	315.440	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	2854	4.078	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.89	180	2225	0.690	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	445057	160.190	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	133842	43.746	ug/L	99

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

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QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

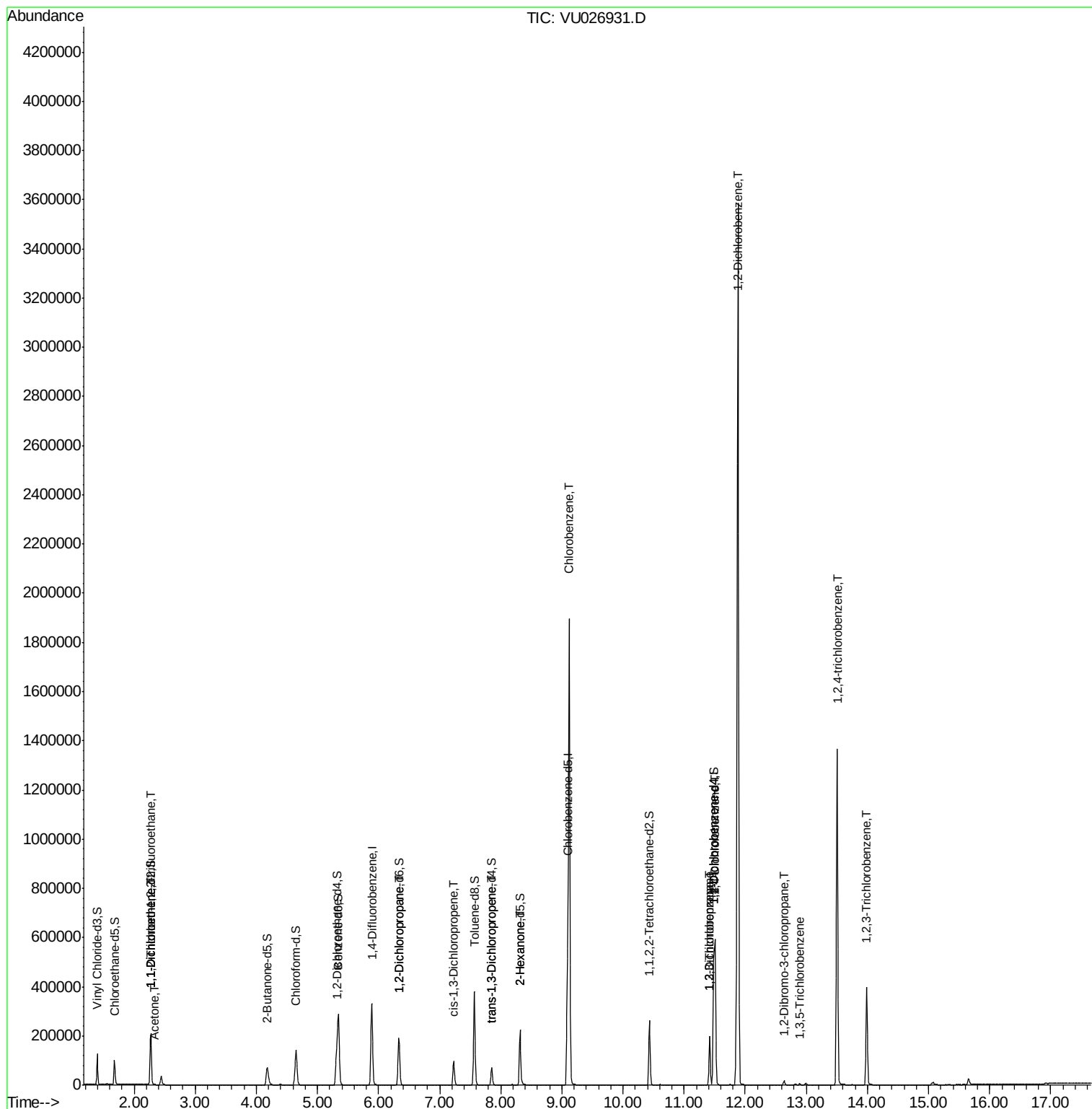
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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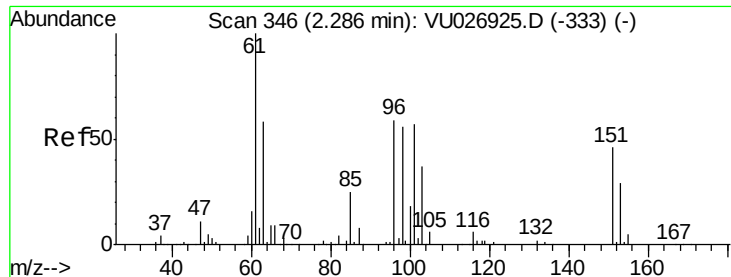
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.587 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026931.D

Acq: 20 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampled :

C08K1

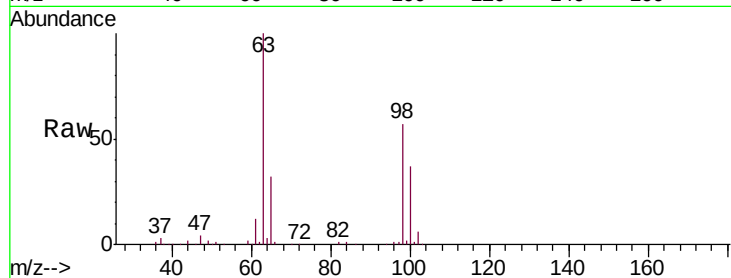
Tgt Ion: 101 Resp: 1143

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

1000

800

600

400

200

0

2.24

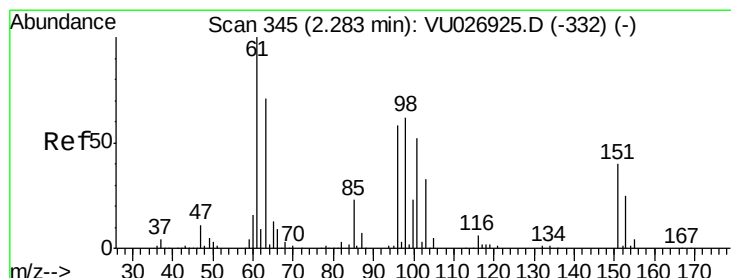
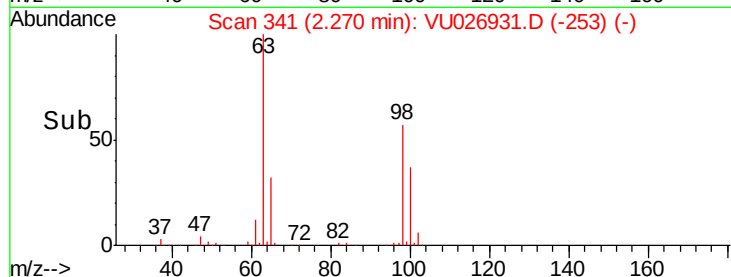
2.26

2.27

2.28

2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.551 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026931.D

Acq: 20 Sep 2018 12:20

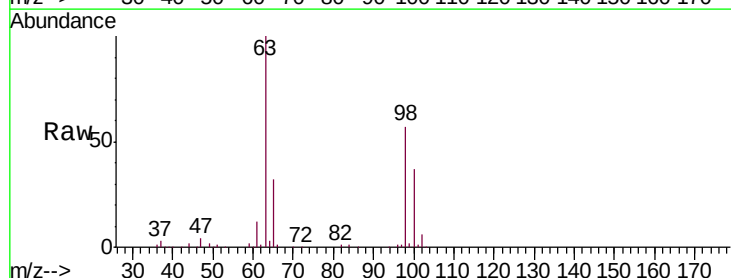
Tgt Ion: 96 Resp: 1008

Ion Ratio Lower Upper

96 100

61 1446.2 124.0 230.4#

63 12480.3 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

100000

80000

60000

40000

20000

0

2.24

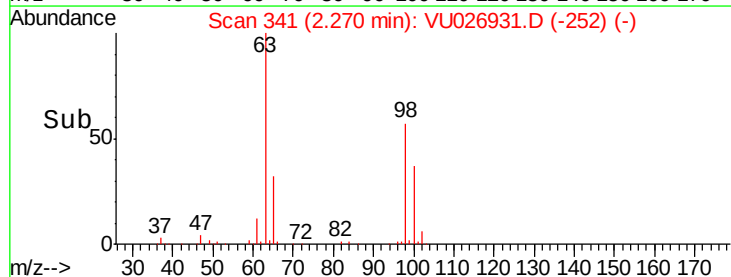
2.26

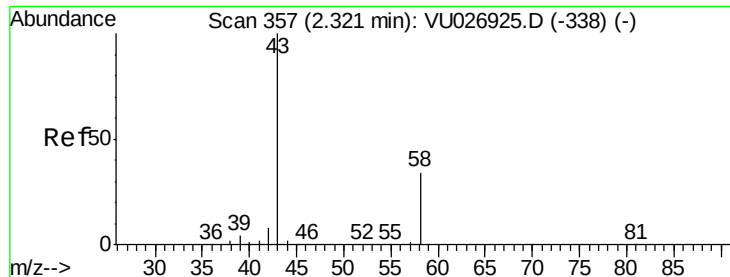
2.27

2.28

2.30

Time-->





#13

Acetone

Concen: 1.770 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026931.D

Acq: 20 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampleId :

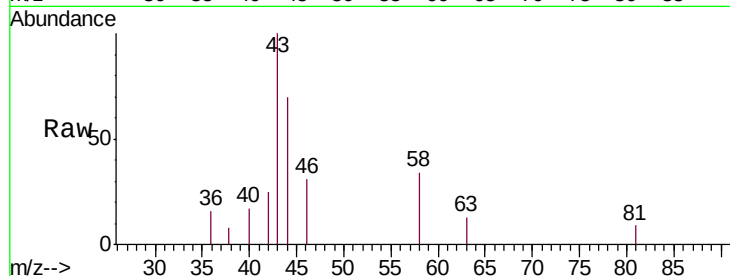
C08K1

Tgt Ion: 43 Resp: 2409

Ion Ratio Lower Upper

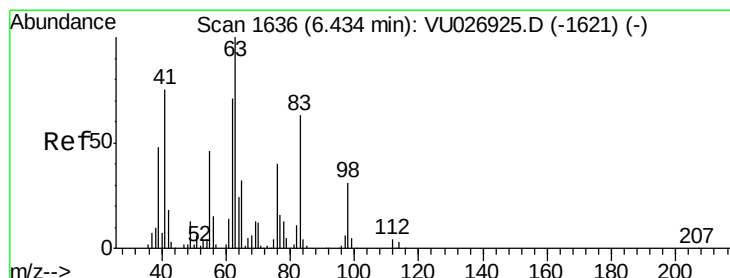
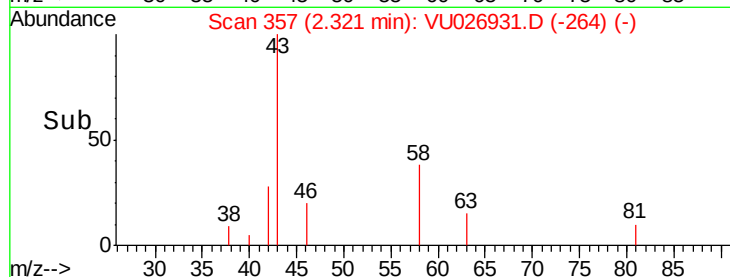
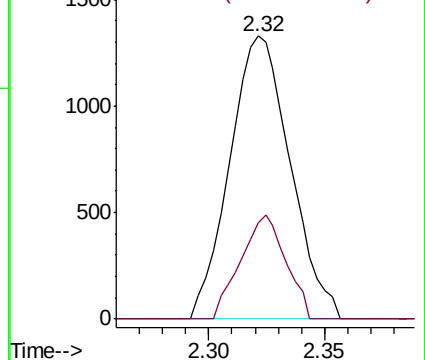
43 100

58 27.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#37

1,2-Dichloropropane

Concen: 4.069 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026931.D

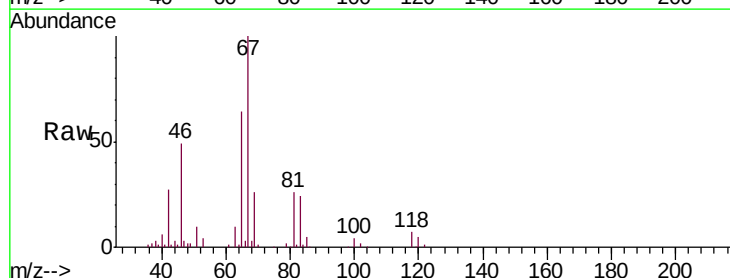
Acq: 20 Sep 2018 12:20

Tgt Ion: 63 Resp: 9505

Ion Ratio Lower Upper

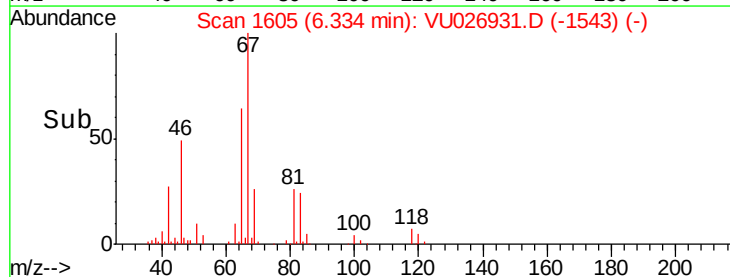
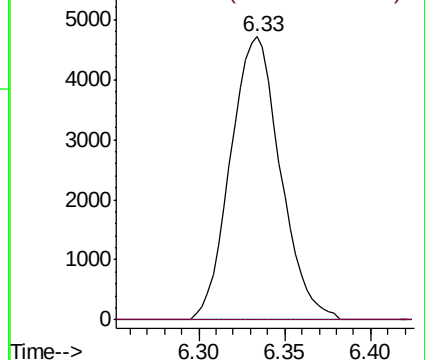
63 100

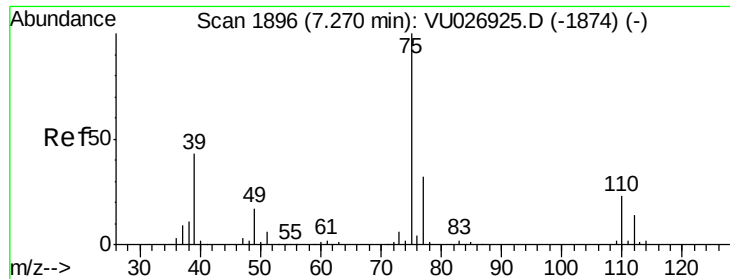
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



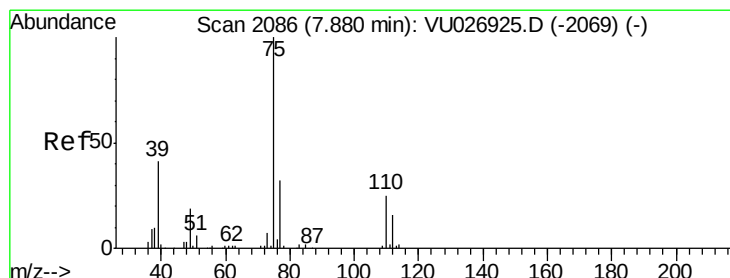
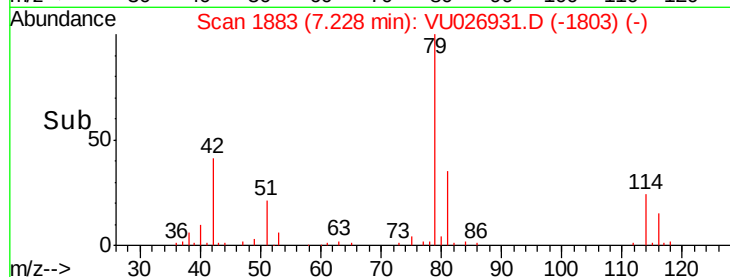
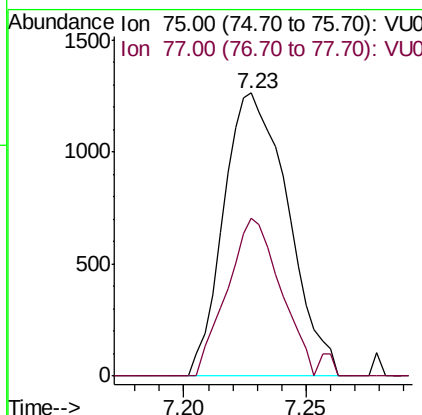
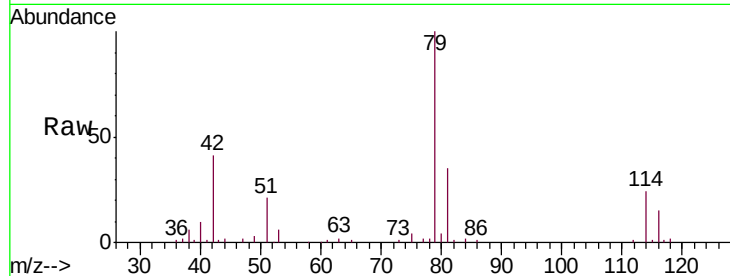


#39

cis-1,3-Dichloropropene
 Concen: 0.702 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleID :
 C08K1

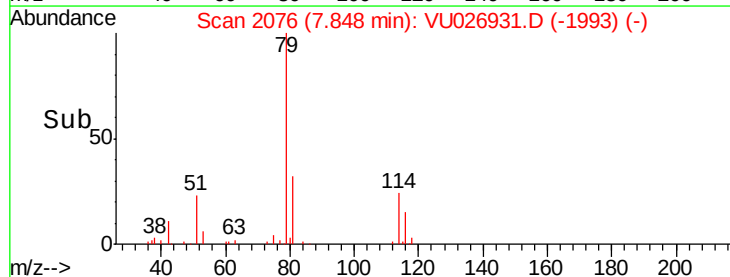
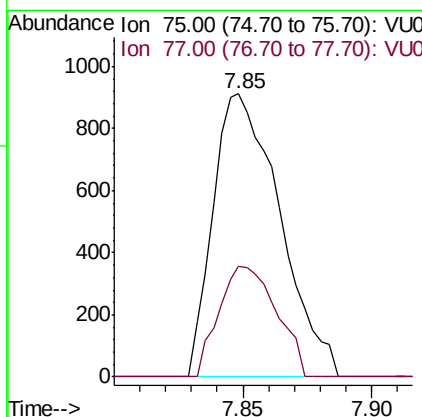
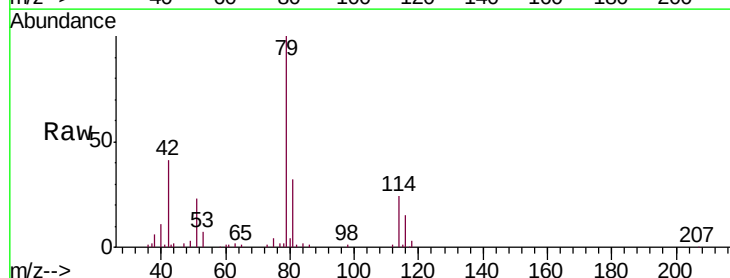
Tgt Ion: 75 Resp: 2316
 Ion Ratio Lower Upper
 75 100
 77 55.9 22.1 41.1#

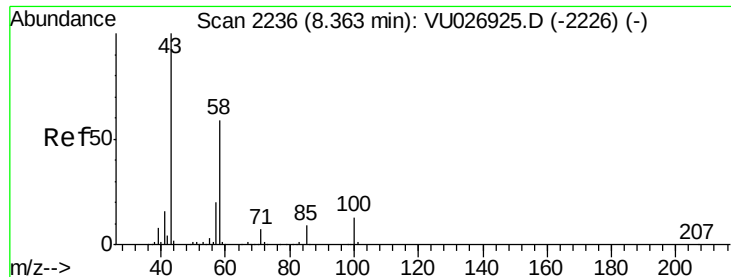


#44

trans-1,3-Dichloropropene
 Concen: 0.531 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

Tgt Ion: 75 Resp: 1642
 Ion Ratio Lower Upper
 75 100
 77 39.0 22.8 42.4

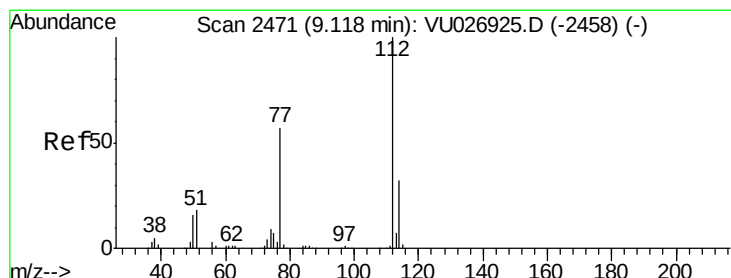
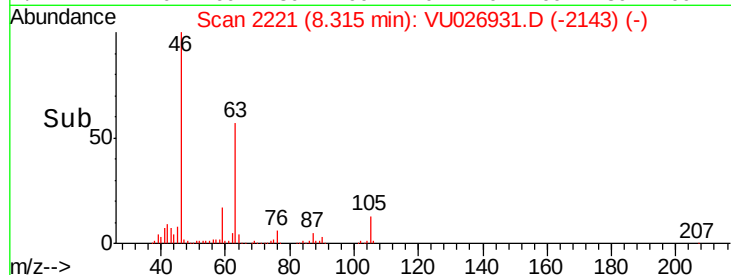
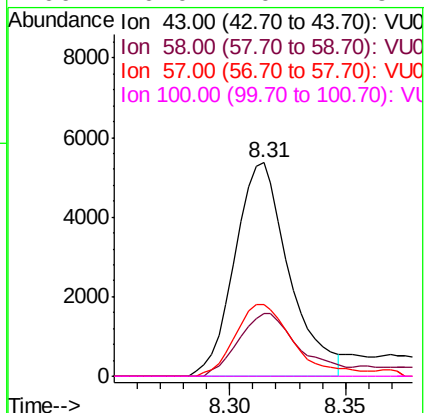
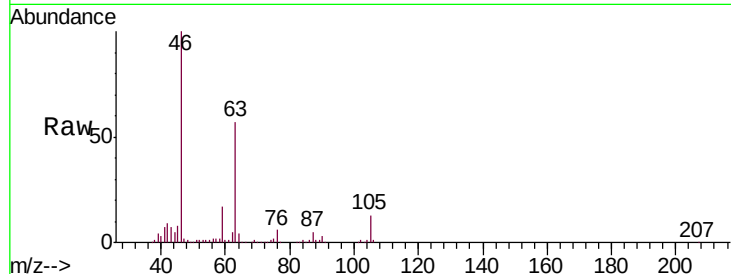




#48
 2-Hexanone
 Concen: 3.914 ug/L
 RT: 8.31 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

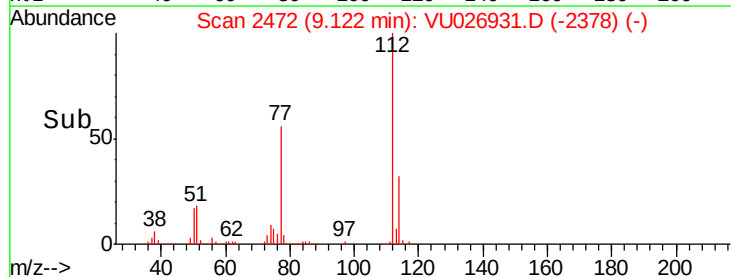
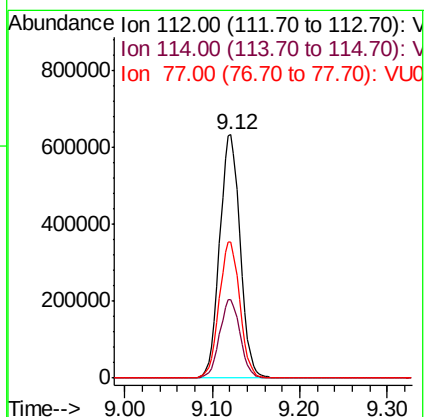
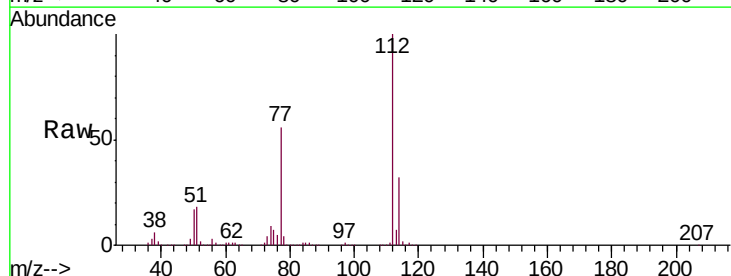
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K1

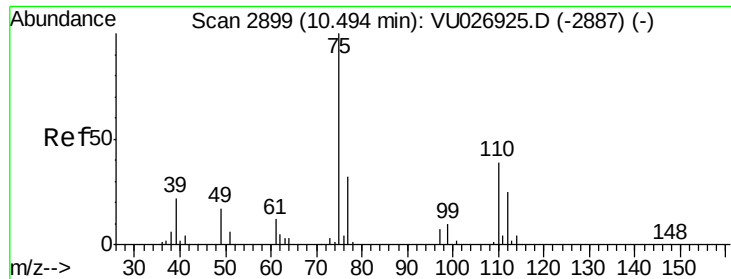
Tgt Ion:	43	Resp:	8763
Ion	Ratio	Lower	Upper
43	100		
58	33.0	44.9	67.3#
57	36.1	15.4	23.2#
100	0.0	10.2	15.4#



#51
 Chlorobenzene
 Concen: 176.422 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

Tgt Ion:	112	Resp:	1030115
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.5
77	55.8	45.1	67.7





#59

1,2,3-Trichloropropane

Concen: 8.319 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026931.D

Acq: 20 Sep 2018 12:20

Instrument :

MSVOA_U

ClientSampled :

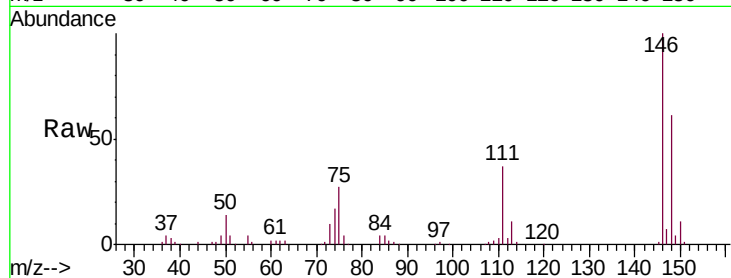
C08K1

Tgt Ion: 75 Resp: 23276

Ion Ratio Lower Upper

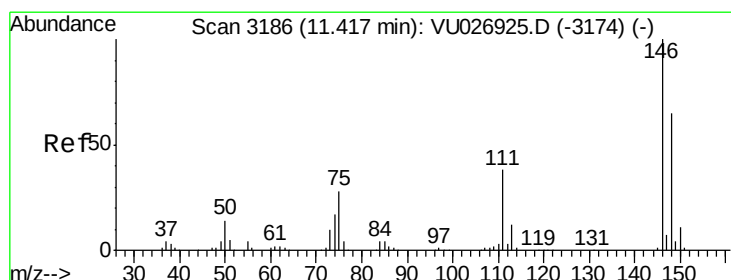
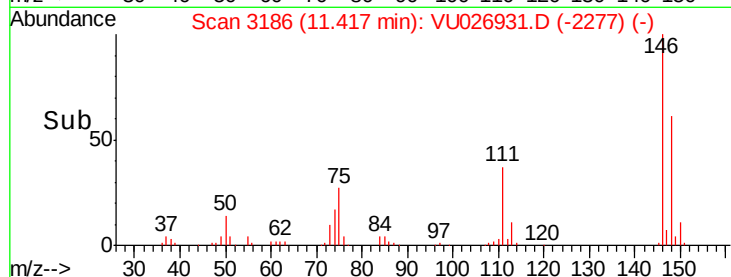
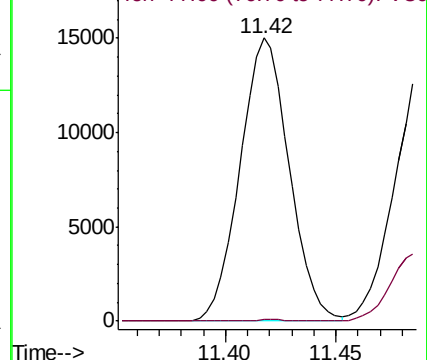
75 100

77 0.3 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: 20.526 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026931.D

Acq: 20 Sep 2018 12:20

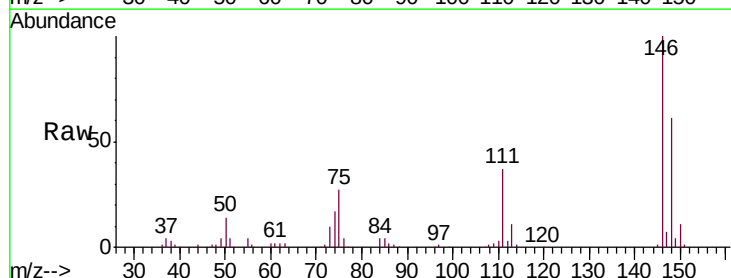
Tgt Ion: 146 Resp: 85518

Ion Ratio Lower Upper

146 100

111 37.3 26.7 49.7

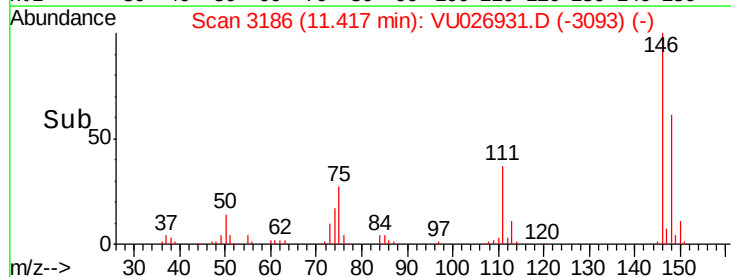
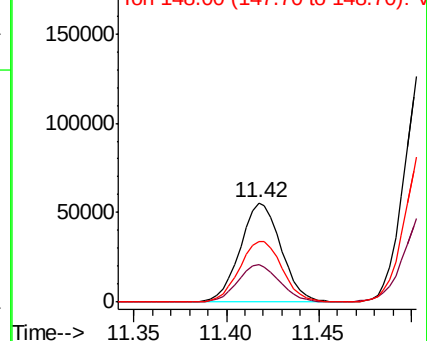
148 61.4 44.9 83.5

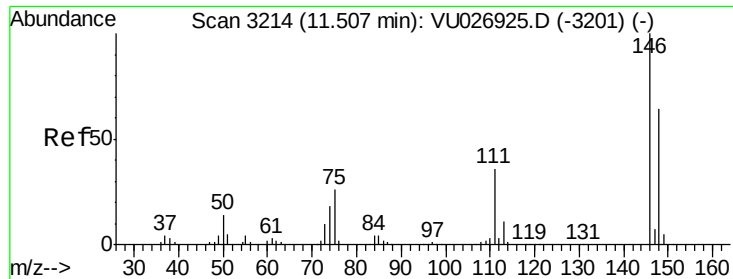


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

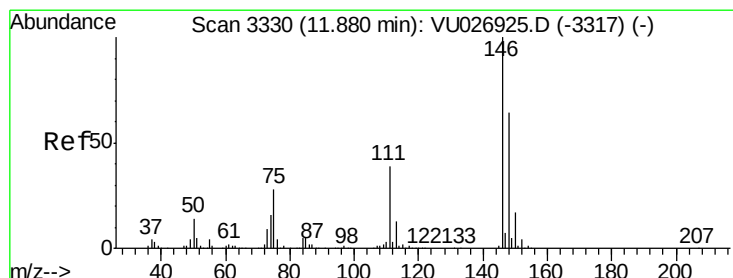
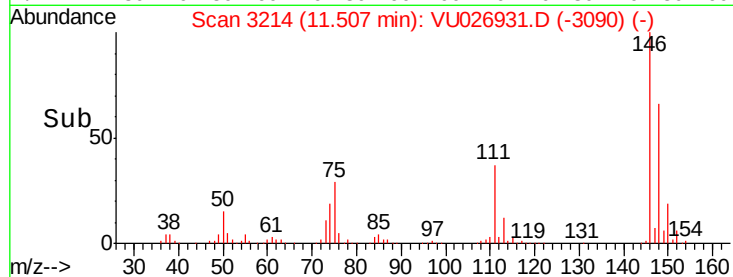
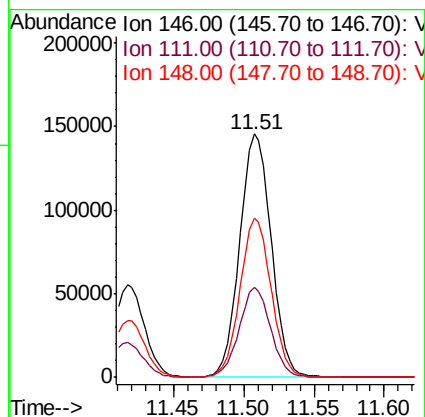
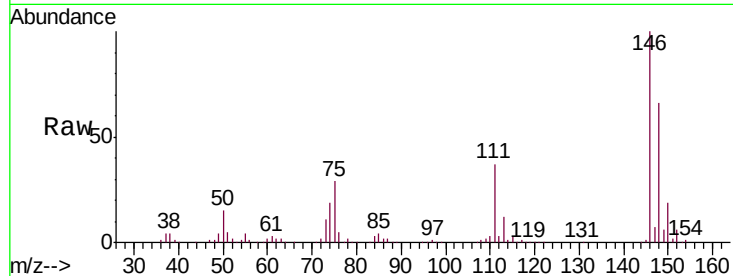




#63
 1,4-Dichlorobenzene
 Concen: 49.690 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

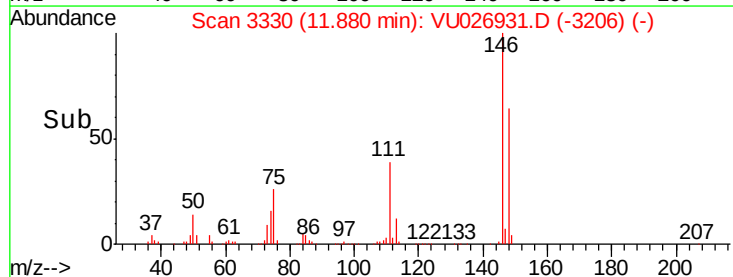
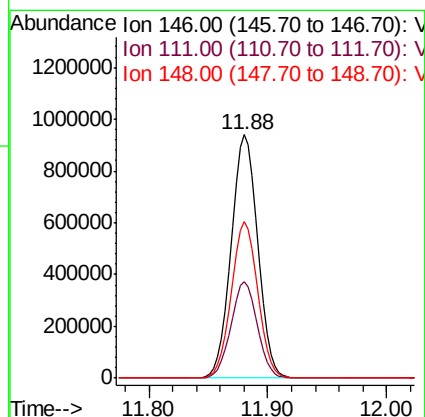
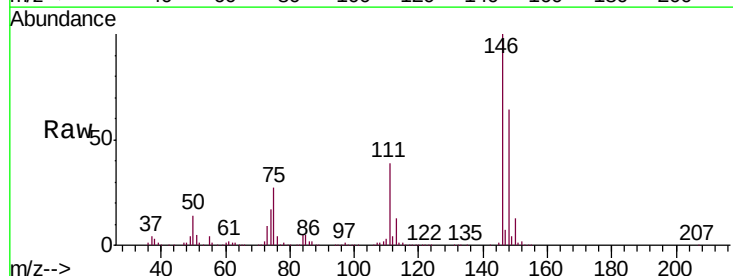
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K1

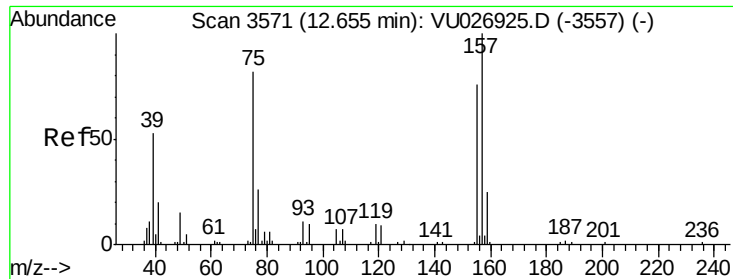
Tgt Ion:146 Resp: 227965
 Ion Ratio Lower Upper
 146 100
 111 37.1 26.0 48.2
 148 65.6 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 315.440 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

Tgt Ion:146 Resp: 1455209
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.4 47.0
 148 64.3 51.4 77.2

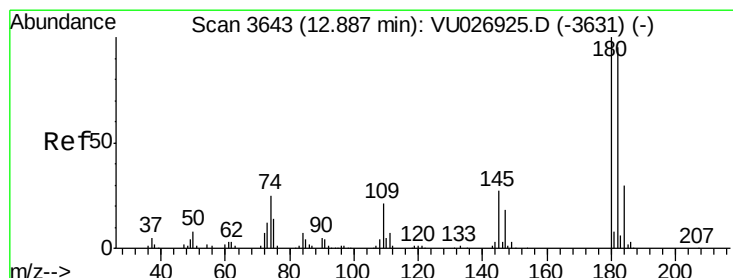
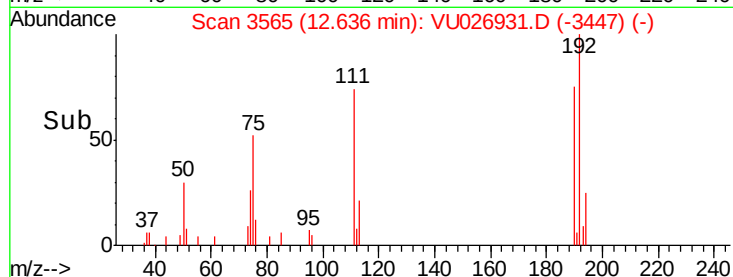
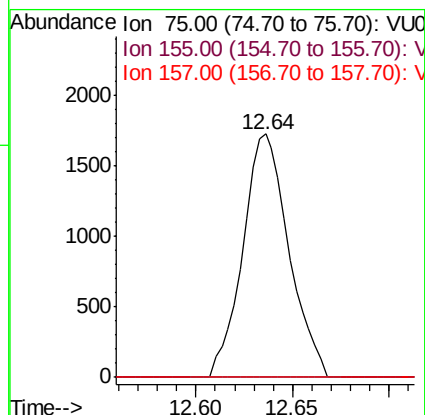
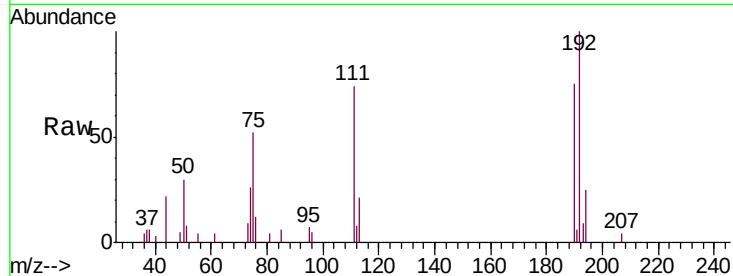




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.078 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

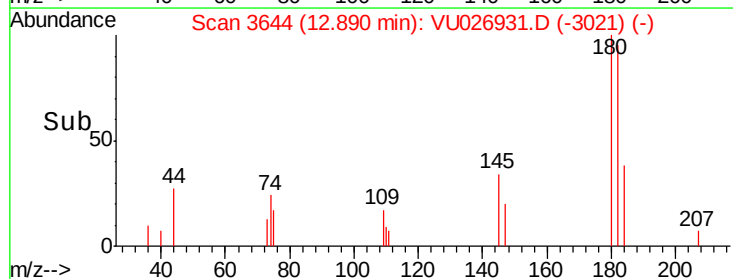
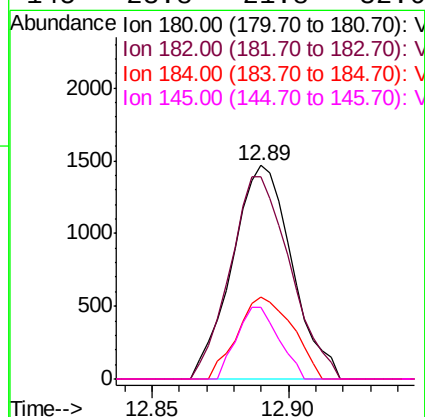
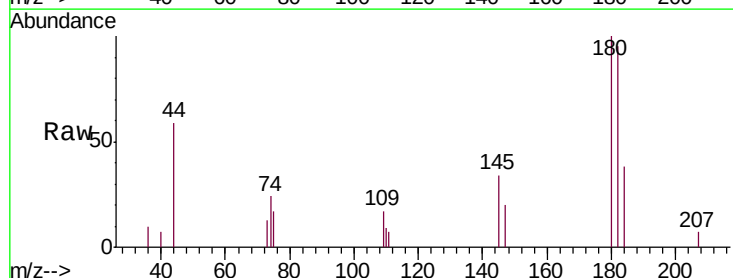
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K1

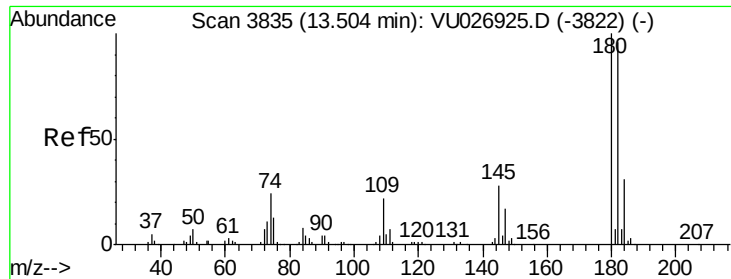
Tgt Ion: 75 Resp: 2854
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 90.5 135.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.690 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

Tgt Ion: 180 Resp: 2225
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.7 115.1
 184 35.6 24.2 36.4
 145 23.8 21.8 32.6

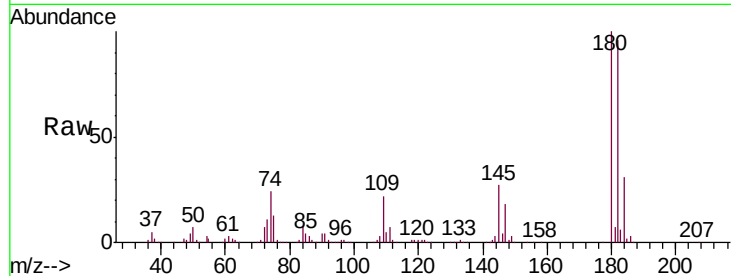




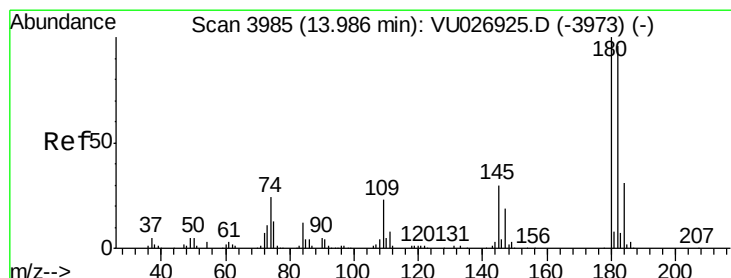
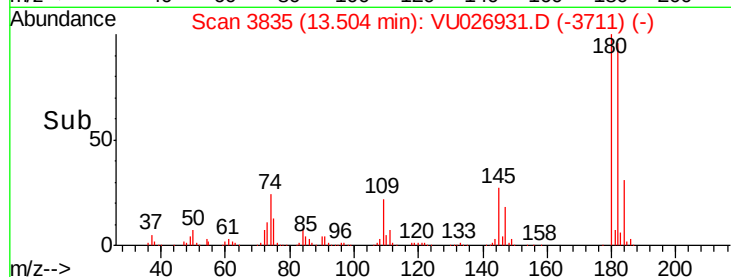
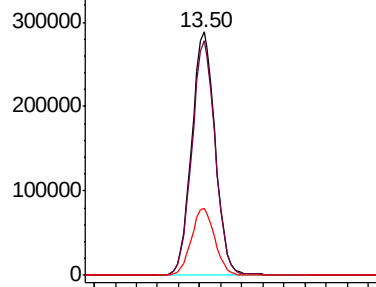
#68
 1,2,4-trichlorobenzene
 Concen: 160.190 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K1

Tgt Ion:180 Resp: 445057
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 145 27.5 22.2 33.2

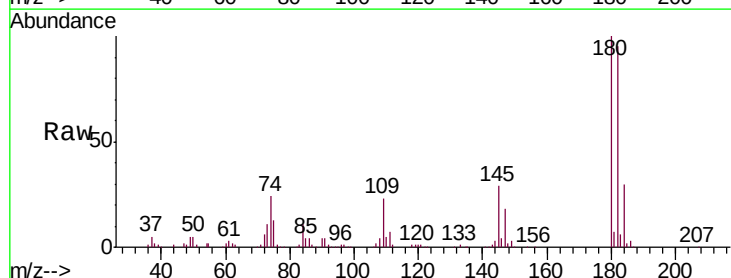


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 43.746 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU026931.D
 Acq: 20 Sep 2018 12:20

Tgt Ion:180 Resp: 133842
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.6 113.4
 145 28.7 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

