

Data File : VU026935.D
Acq On : 20 Sep 2018 13:52
Operator : MD/SY
Sample : J4893-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08P0

Quant Time: Sep 21 04:25:51 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	241639	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	239141	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	130069	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78302	43.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.62%
7) Chloroethane-d5	1.68	69	65443	42.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.54%
11) 1,1-Dichloroethene-d2	2.27	63	110611	32.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.40%
21) 2-Butanone-d5	4.18	46	106194	89.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.52%
24) Chloroform-d	4.65	84	134069	40.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.86%
26) 1,2-Dichloroethane-d4	5.31	65	86456	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.82%
32) Benzene-d6	5.34	84	280144	41.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.60%
36) 1,2-Dichloropropane-d6	6.33	67	89700	41.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.08%
41) Toluene-d8	7.57	98	243623	40.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.48%
43) trans-1,3-Dichloropropene-	7.85	79	38819	40.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.52%
47) 2-Hexanone-d5	8.31	63	74036	87.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116856	38.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.62%
64) 1,2-Dichlorobenzene-d4	11.87	152	118988	43.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.96%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	937	0.562	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	943	0.602	ug/L #	1
13) Acetone	2.32	43	1695	1.454	ug/L	93
37) 1,2-Dichloropropane	6.33	63	8918	4.379	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2098	0.729	ug/L #	58
44) trans-1,3-Dichloropropene	7.85	75	1541	0.572	ug/L	85
48) 2-Hexanone	8.31	43	8563	4.387	ug/L #	69
51) Chlorobenzene	9.12	112	4024183	790.438	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	66658	27.323	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	245630	61.948	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	1064638	243.841	ug/L	98
65) 1,2-Dichlorobenzene	11.89	146	10271731	2339.576	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	4626	6.945	ug/L #	2
67) 1,3,5-Trichlorobenzene	12.89	180	4611	1.503	ug/L	94
68) 1,2,4-trichlorobenzene	13.50	180	1687065	638.048	ug/L	100
69) Naphthalene	13.75	128	2666	0.342	ug/L #	85
70) 1,2,3-Trichlorobenzene	13.99	180	269517	92.562	ug/L	98

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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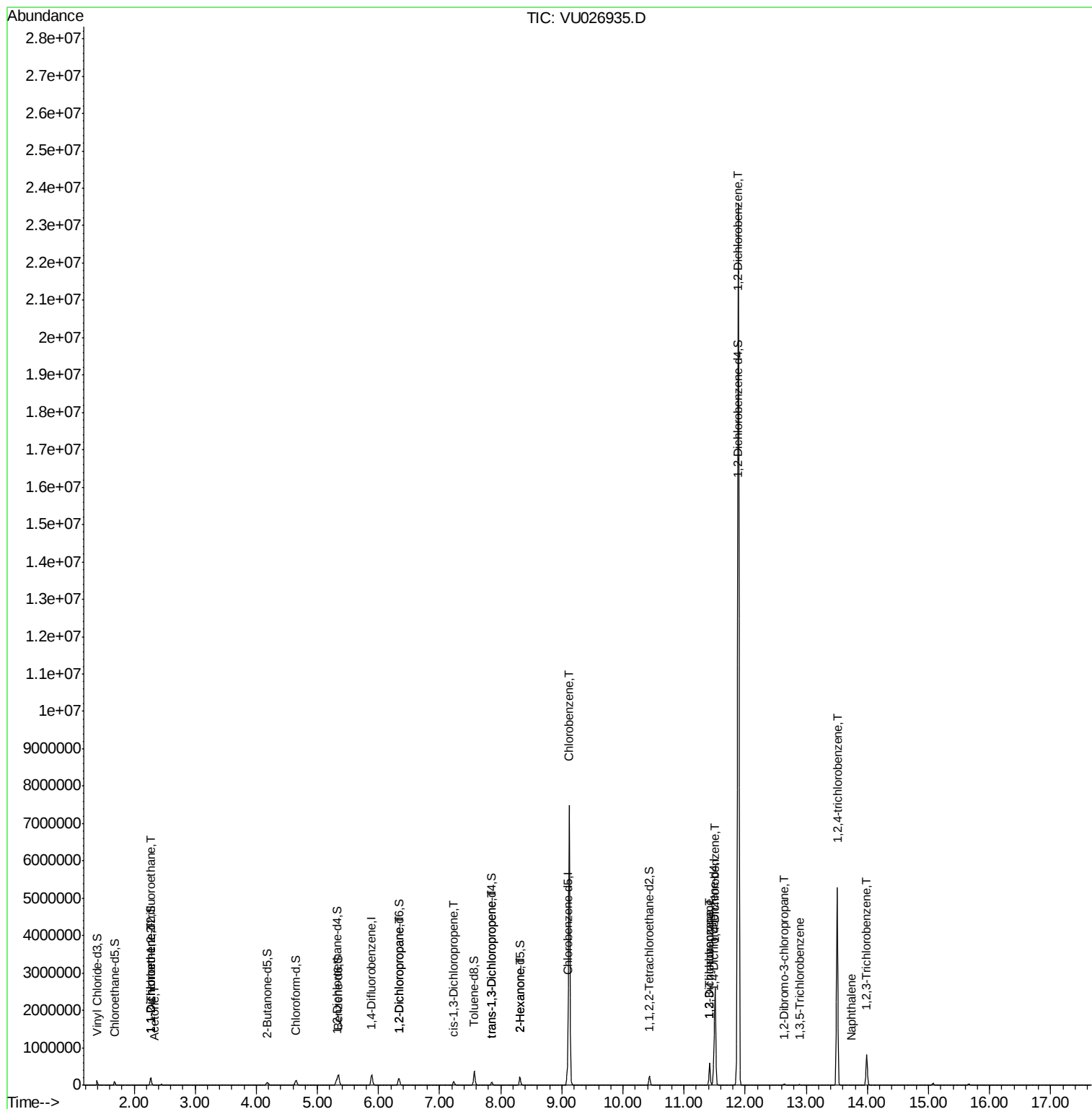
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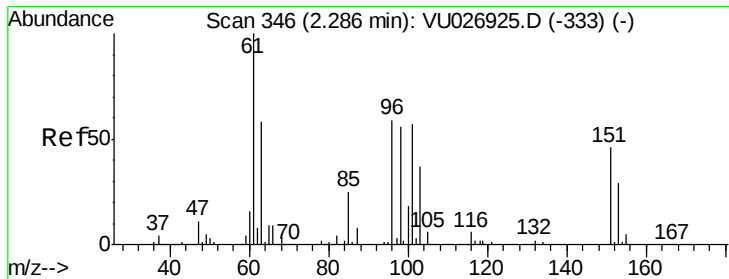
Data File : VU026935.D

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#10

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

Concen: 0.562 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026935.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_U

ClientSampleId :

C08P0

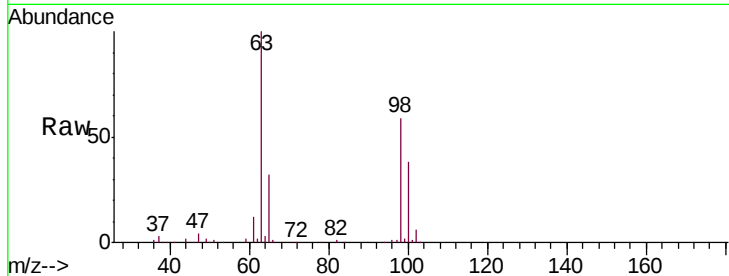
Tgt Ion: 101 Resp: 937

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

800

600

400

200

0

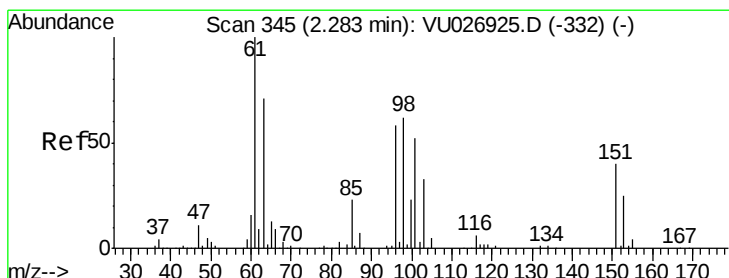
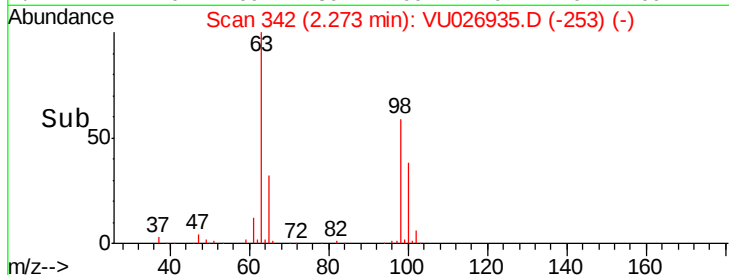
2.24

2.26

2.28

2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.602 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026935.D

Acq: 20 Sep 2018 13:52

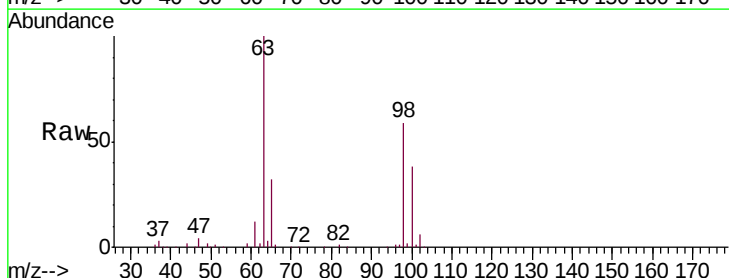
Tgt Ion: 96 Resp: 943

Ion Ratio Lower Upper

96 100

61 1390.7 124.0 230.4#

63 11892.8 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

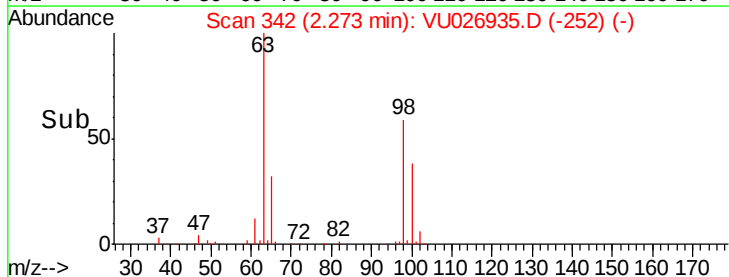
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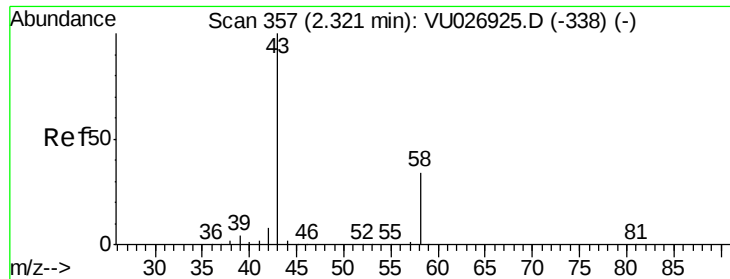
2.26

2.28

2.30

Time-->





#13

Acetone

Concen: 1.454 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026935.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_U

ClientSampleId :

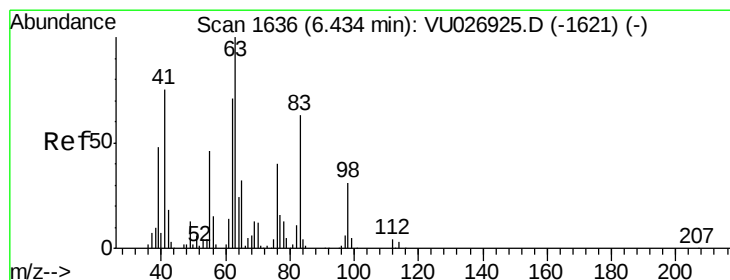
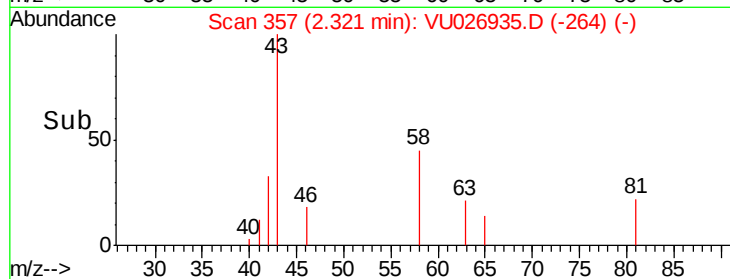
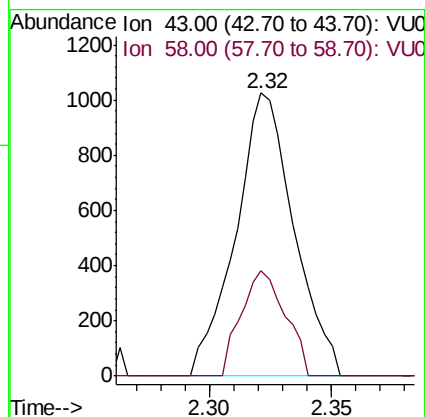
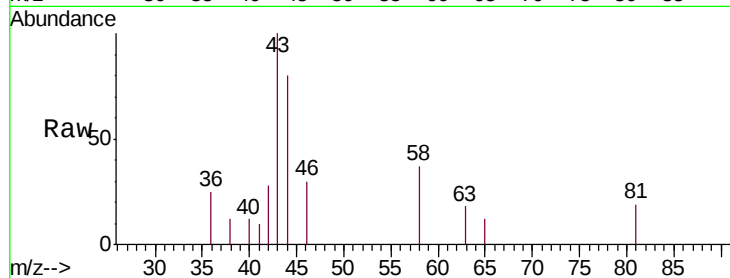
C08P0

Tgt Ion: 43 Resp: 1695

Ion Ratio Lower Upper

43 100

58 28.1 0.0 64.6



#37

1,2-Dichloropropane

Concen: 4.379 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026935.D

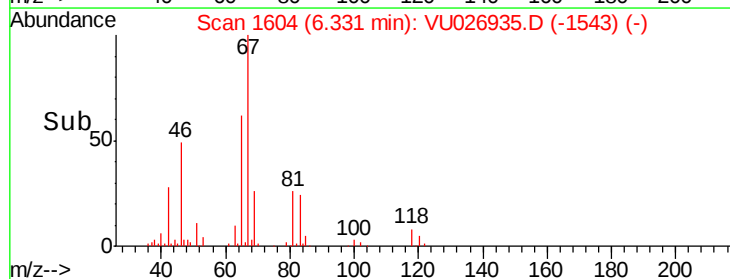
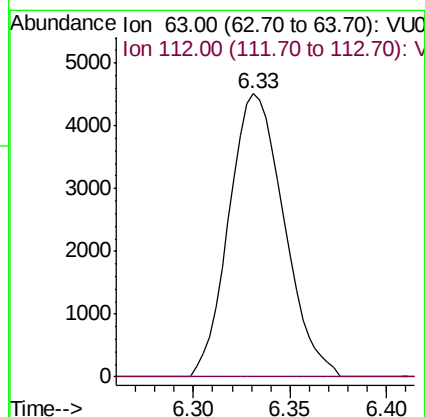
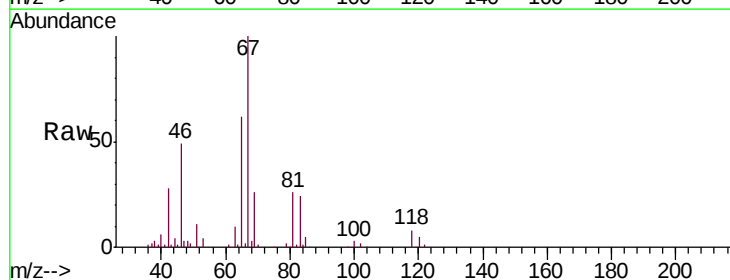
Acq: 20 Sep 2018 13:52

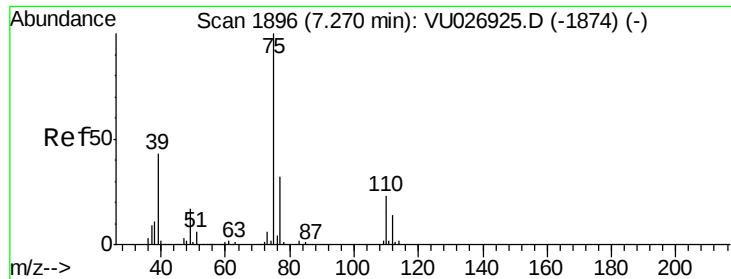
Tgt Ion: 63 Resp: 8918

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



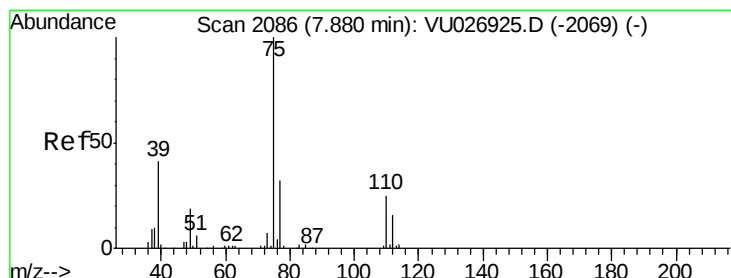
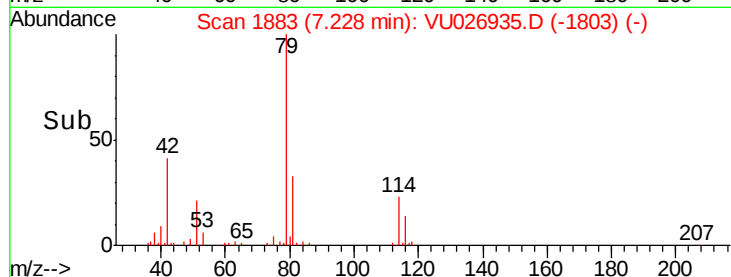
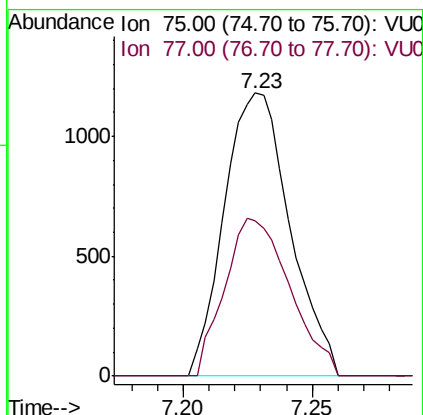
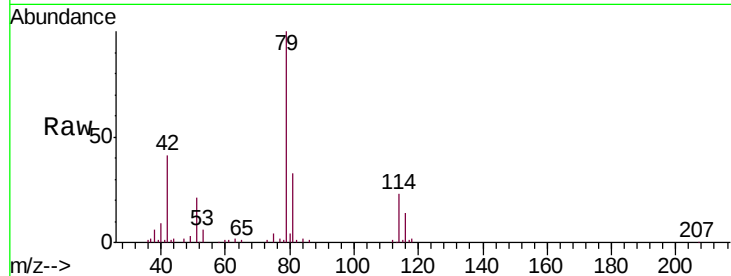


#39

cis-1,3-Dichloropropene
Concen: 0.729 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026935.D
Acq: 20 Sep 2018 13:52

Instrument :
MSVOA_U
ClientSampleId :
C08P0

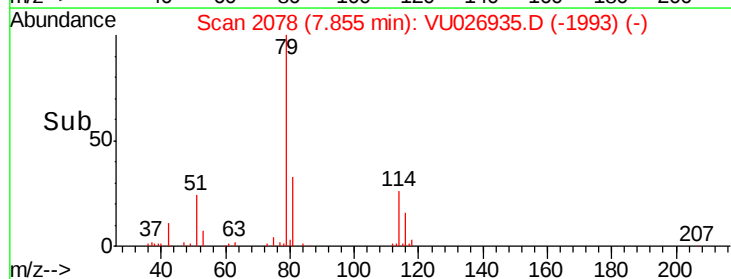
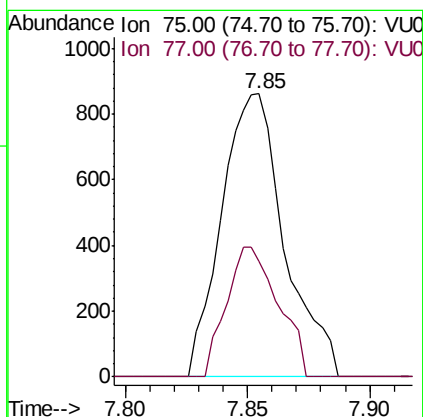
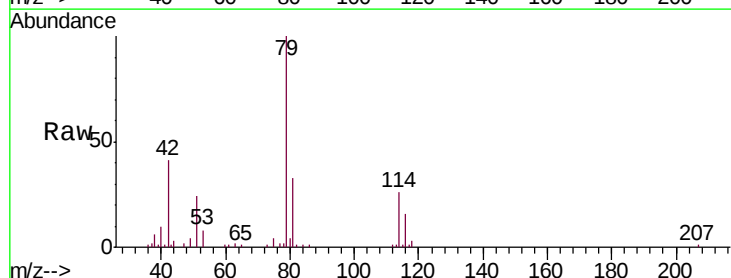
Tgt Ion: 75 Resp: 2098
Ion Ratio Lower Upper
75 100
77 55.0 22.1 41.1#

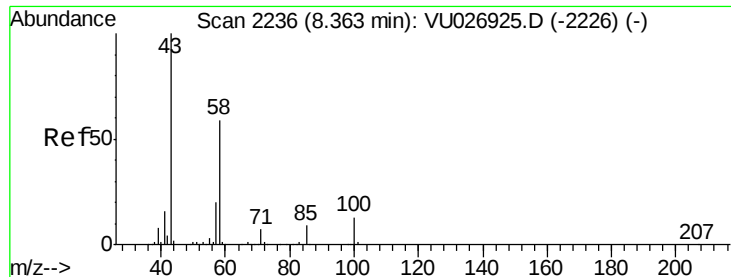


#44

trans-1,3-Dichloropropene
Concen: 0.572 ug/L
RT: 7.85 min Scan# 2078
Delta R.T. -0.03 min
Lab File: VU026935.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 75 Resp: 1541
Ion Ratio Lower Upper
75 100
77 41.1 22.8 42.4

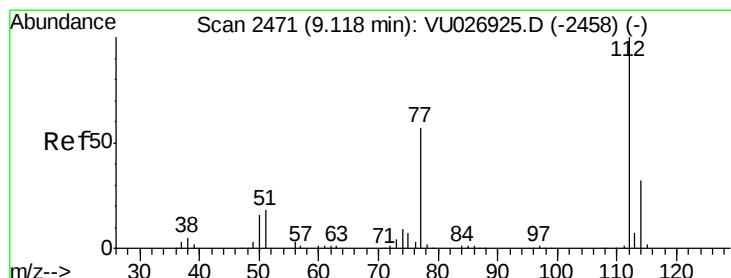
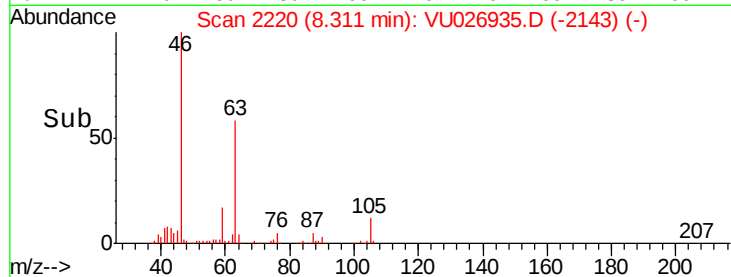
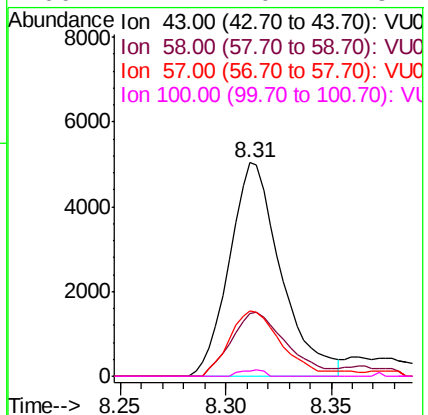
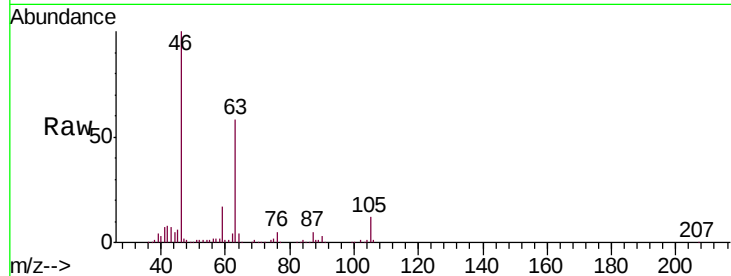




#48
2-Hexanone
Concen: 4.387 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU026935.D
Acq: 20 Sep 2018 13:52

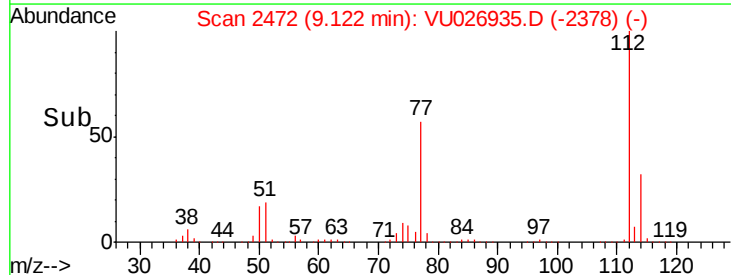
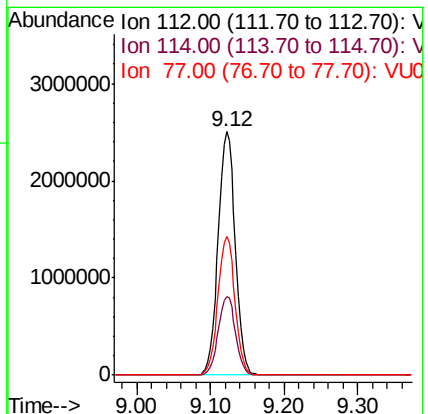
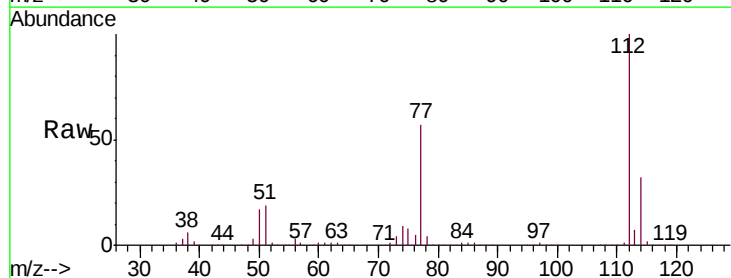
Instrument :
MSVOA_U
ClientSampleId :
C08P0

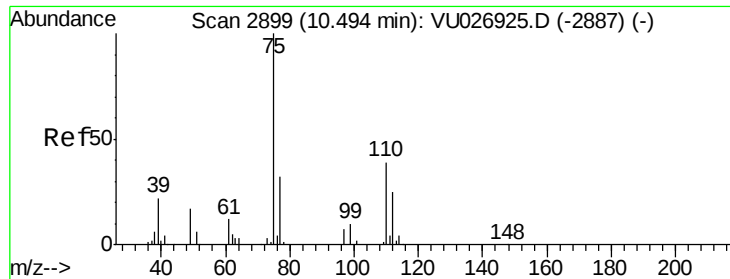
Tgt Ion: 43 Resp: 8563
Ion Ratio Lower Upper
43 100
58 32.0 44.9 67.3#
57 30.5 15.4 23.2#
100 1.4 10.2 15.4#



#51
Chlorobenzene
Concen: 790.438 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026935.D
Acq: 20 Sep 2018 13:52

Tgt Ion: 112 Resp: 4024183
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 57.0 45.1 67.7





#59

1,2,3-Trichloropropane

Concen: 27.323 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026935.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA_U

ClientSampleId :

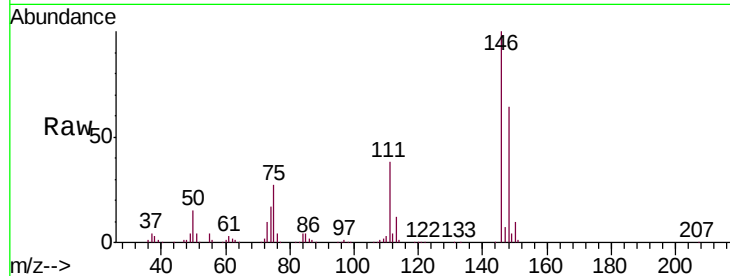
C08P0

Tgt Ion: 75 Resp: 66658

Ion Ratio Lower Upper

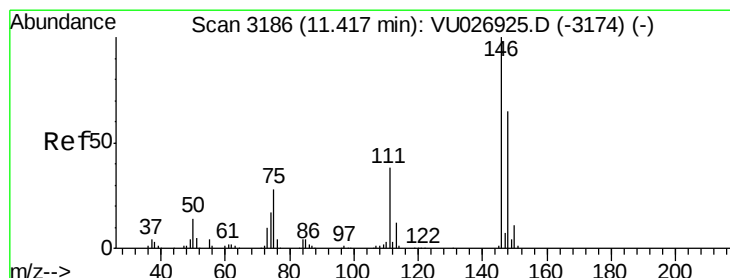
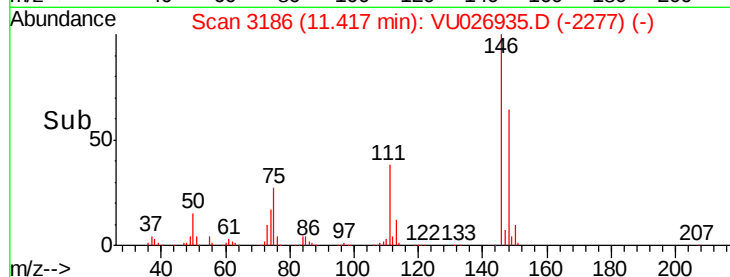
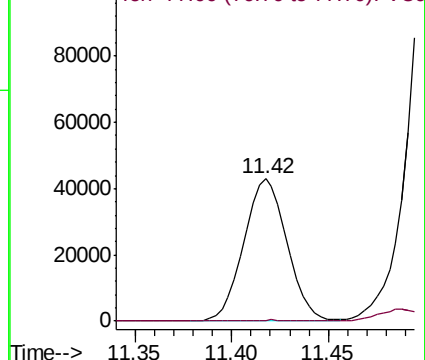
75 100

77 0.8 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU026935.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026935.D (-2887) (-)



#62

1,3-Dichlorobenzene

Concen: 61.948 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026935.D

Acq: 20 Sep 2018 13:52

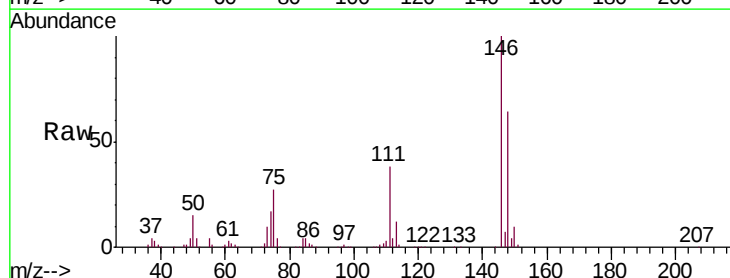
Tgt Ion: 146 Resp: 245630

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.7

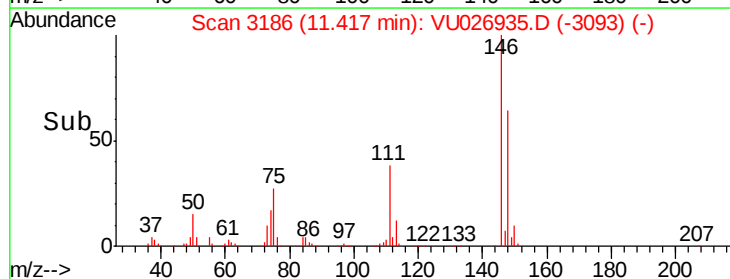
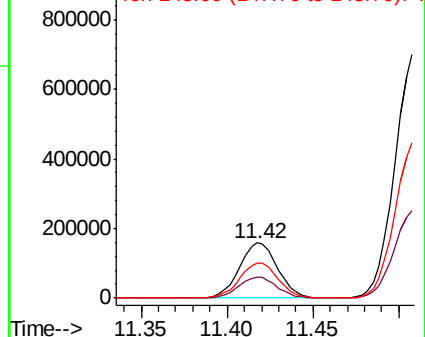
148 64.4 44.9 83.5

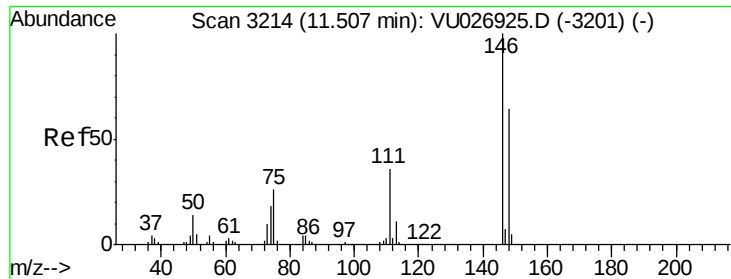


Abundance Ion 146.00 (145.70 to 146.70): VU026935.D (-3174) (-)

Ion 111.00 (110.70 to 111.70): VU026935.D (-3174) (-)

Ion 148.00 (147.70 to 148.70): VU026935.D (-3174) (-)

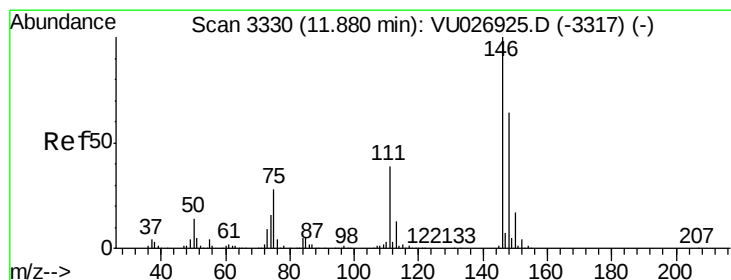
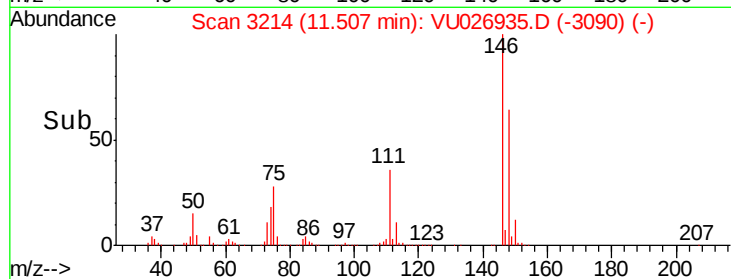
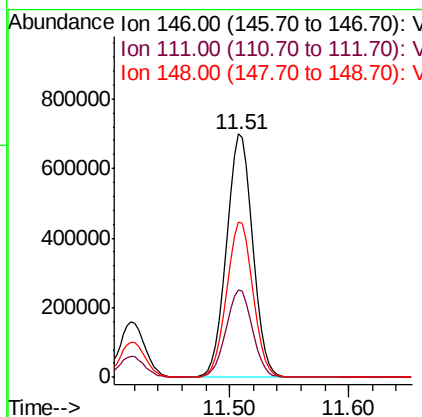
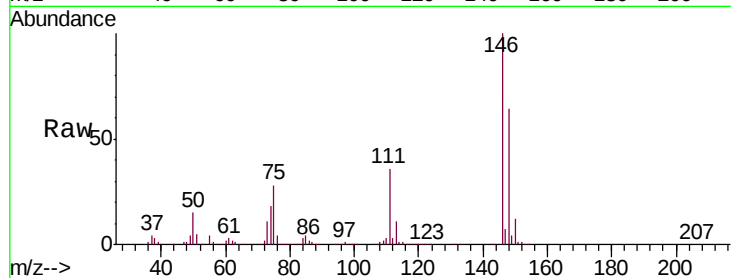




#63
 1,4-Dichlorobenzene
 Concen: 243.841 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026935.D
 Acq: 20 Sep 2018 13:52

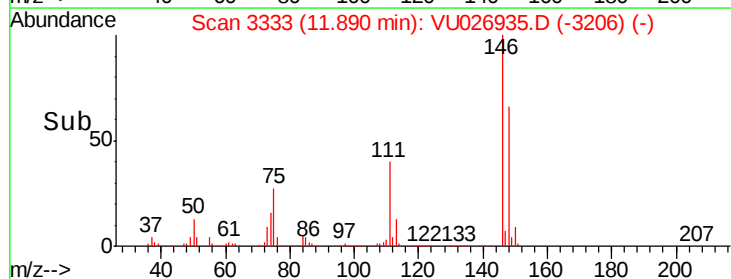
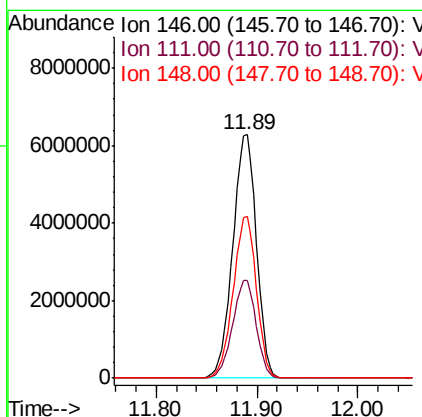
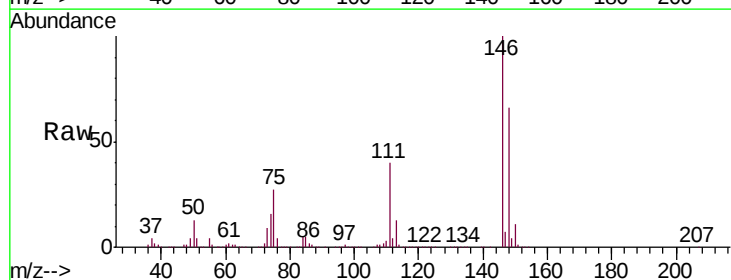
Instrument :
 MSVOA_U
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 C08P0

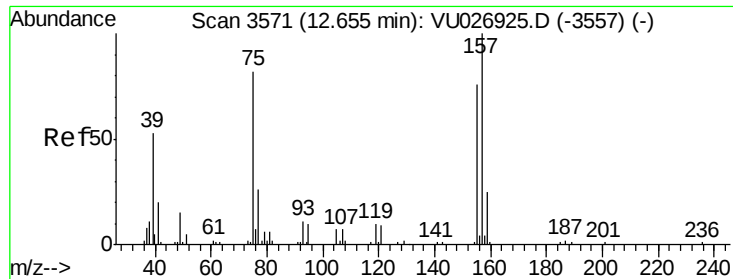
Tgt Ion:146 Resp: 1064638
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.0 48.2
 148 63.7 45.8 85.2



#65
 1,2-Dichlorobenzene
 Concen: 2339.576 ug/L
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.01 min
 Lab File: VU026935.D
 Acq: 20 Sep 2018 13:52

Tgt Ion:146 Resp:10271731
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.4 47.0
 148 66.2 51.4 77.2

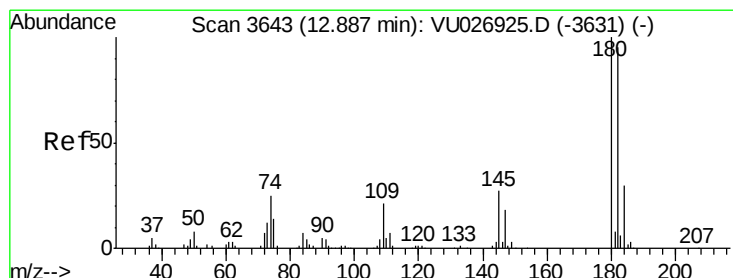
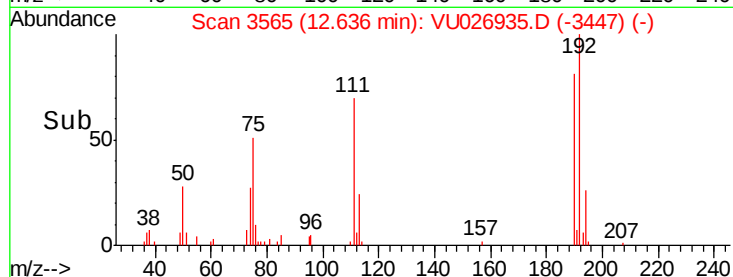
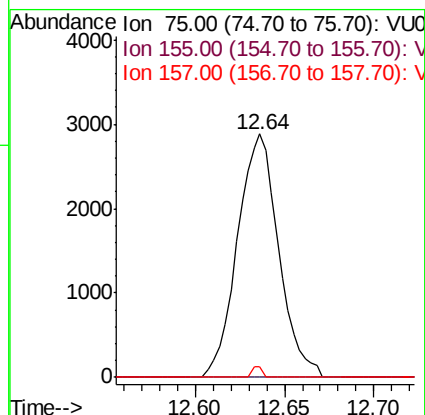
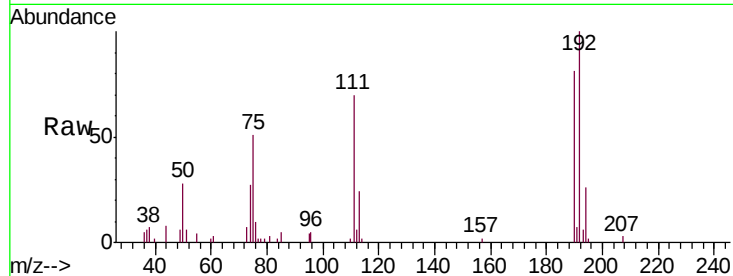




#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.945 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026935.D
 Acq: 20 Sep 2018 13:52

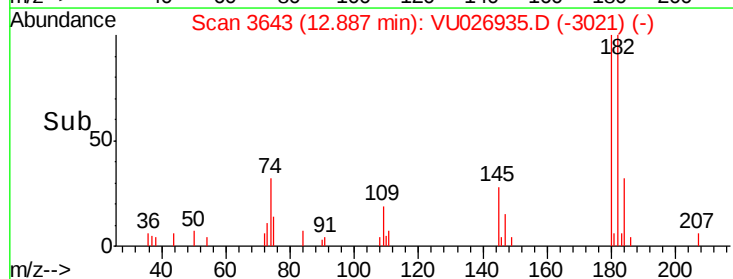
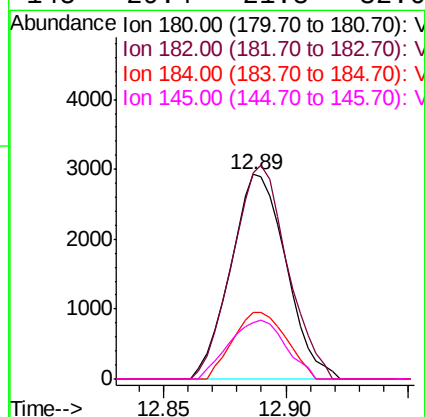
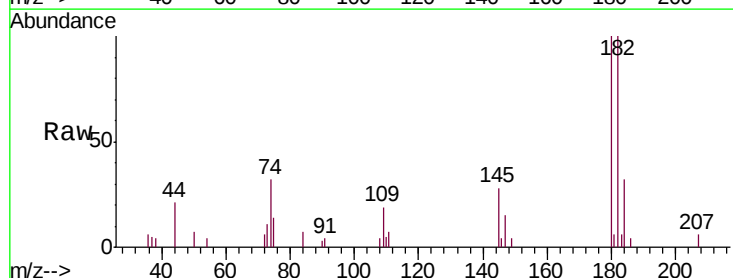
Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

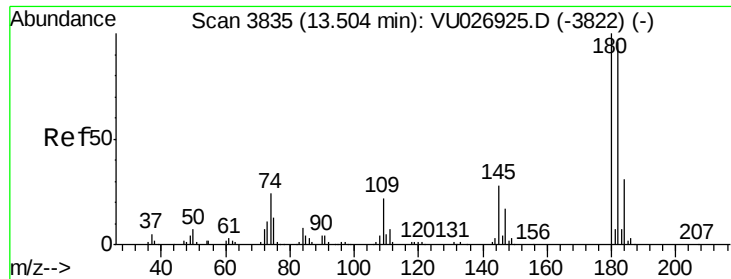
Tgt Ion: 75 Resp: 4626
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 4.4 90.5 135.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.503 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026935.D
 Acq: 20 Sep 2018 13:52

Tgt Ion: 180 Resp: 4611
 Ion Ratio Lower Upper
 180 100
 182 103.7 76.7 115.1
 184 31.4 24.2 36.4
 145 29.4 21.8 32.6

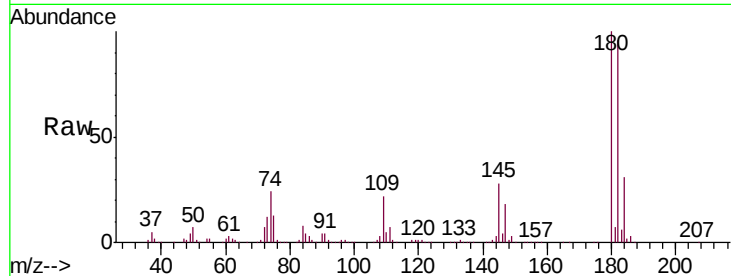




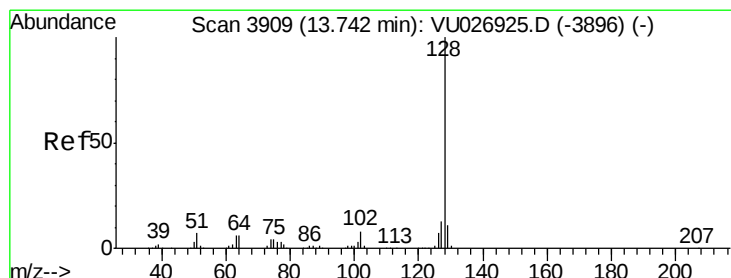
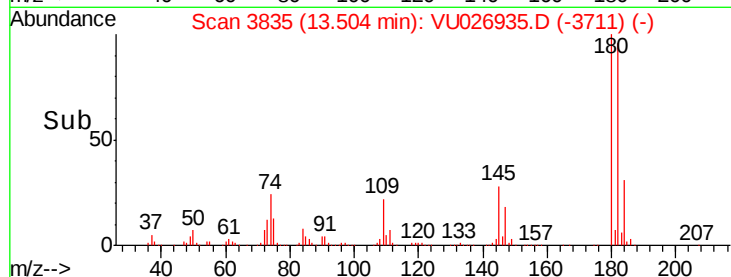
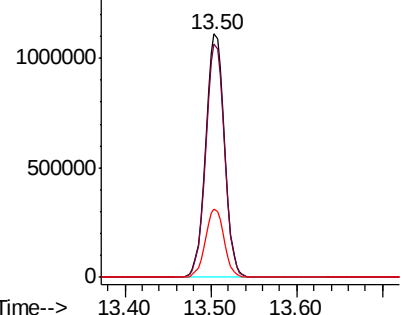
#68
 1,2,4-trichlorobenzene
 Concen: 638.048 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026935.D
 Acq: 20 Sep 2018 13:52

Instrument :
 MSVOA_U
 ClientSampled :
 C08P0

Tgt Ion:180 Resp: 1687065
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.8 115.2
 145 28.0 22.2 33.2

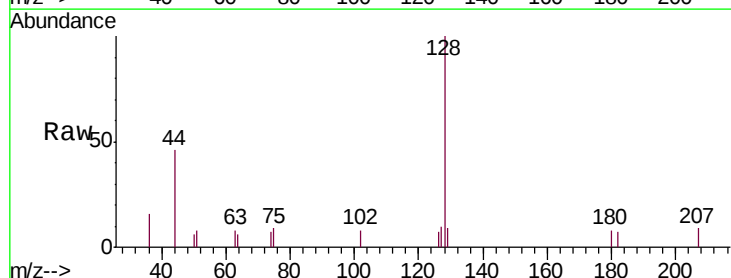


Abundance Ion 180.00 (179.70 to 180.70): V
 1500000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

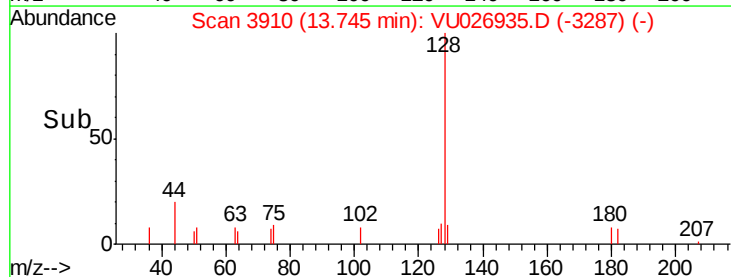
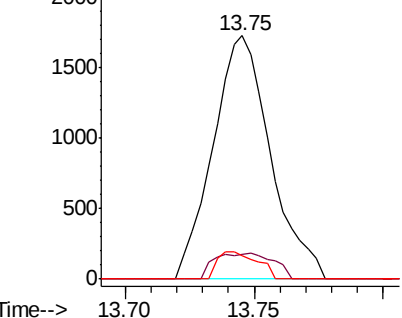


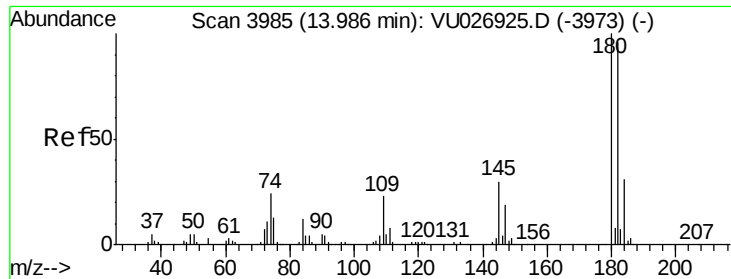
#69
 Naphthalene
 Concen: 0.342 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU026935.D
 Acq: 20 Sep 2018 13:52

Tgt Ion:128 Resp: 2666
 Ion Ratio Lower Upper
 128 100
 127 4.5 10.2 15.4#
 129 7.7 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 2000 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 92.562 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU026935.D
 Acq: 20 Sep 2018 13:52

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

Tgt Ion:	180	Resp:	269517
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.6	113.4
145	29.3	23.8	35.6

