

Data File : VU026867.D
Acq On : 18 Sep 2018 17:10
Operator : MD/SY
Sample : J4896-17 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08P3

Quant Time: Sep 19 05:09:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 05:05:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	240493	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	227059	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	99406	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71919	40.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.86%
7) Chloroethane-d5	1.68	69	66464	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.30%
11) 1,1-Dichloroethene-d2	2.27	63	110305	32.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.54%
21) 2-Butanone-d5	4.18	46	129837	109.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.98%
24) Chloroform-d	4.65	84	149808	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.31	65	99997	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
32) Benzene-d6	5.34	84	307438	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
36) 1,2-Dichloropropane-d6	6.33	67	101394	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.90%
41) Toluene-d8	7.57	98	260080	45.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.48%
43) trans-1,3-Dichloropropene-	7.85	79	41391	45.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.44%
47) 2-Hexanone-d5	8.31	63	89694	111.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138902	48.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	107457	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	951	0.573	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	906	0.581	ug/L #	1
13) Acetone	2.32	43	723	0.623	ug/L #	42
25) Chloroform	4.68	83	1786	0.532	ug/L	78
27) 1,2-Dichloroethane	5.39	62	14788	5.648	ug/L #	72
33) Benzene	5.39	78	1830005	259.955	ug/L	100
35) Methylcyclohexane	6.33	83	23020	8.360	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	11015	5.696	ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2299	0.842	ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1731	0.677	ug/L	91
51) Chlorobenzene	9.12	112	3068603	634.814	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	7434	3.209	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	26054	8.598	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	146532	43.914	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	47937	14.286	ug/L	100
67) 1,3,5-Trichlorobenzene	13.51	180	6540	2.789	ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	6540	3.236	ug/L	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091818\
Quantitation Report (Not Reviewed)

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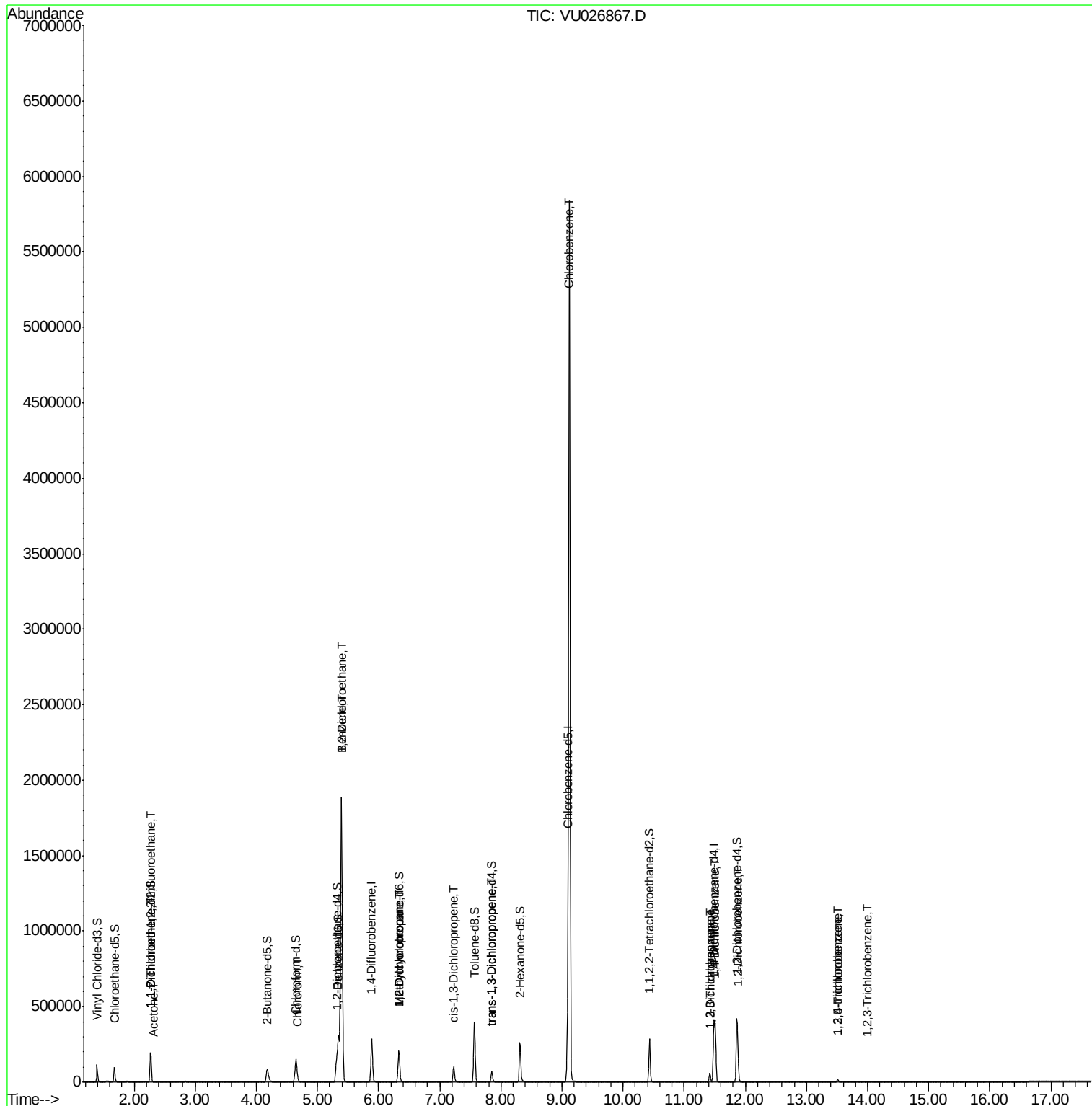
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	14.00	180	1560	0.701	ug/L #	91

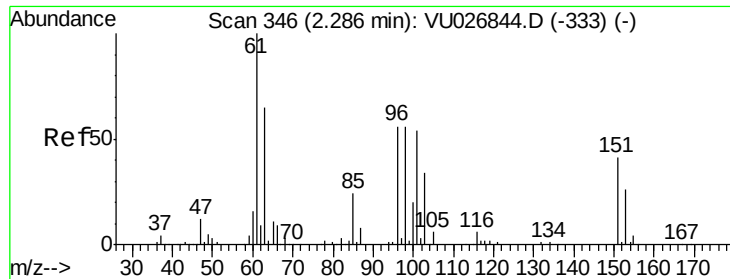
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.573 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026867.D

Acq: 18 Sep 2018 17:10

Instrument :

MSVOA_U

ClientSampled :

C08P3

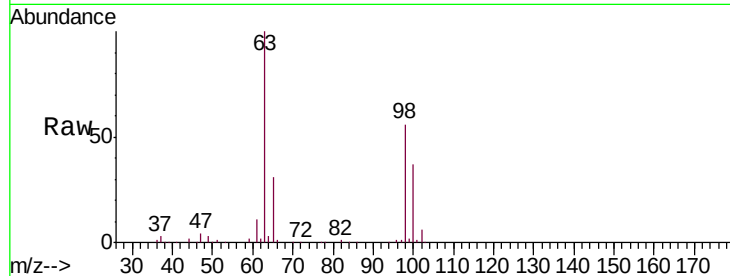
Tgt Ion: 101 Resp: 951

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

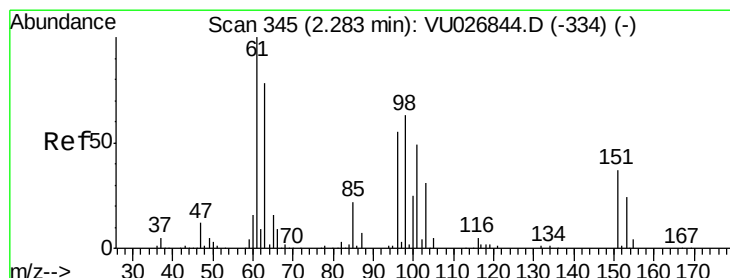
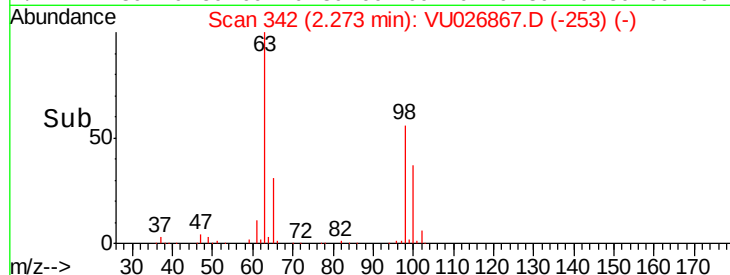
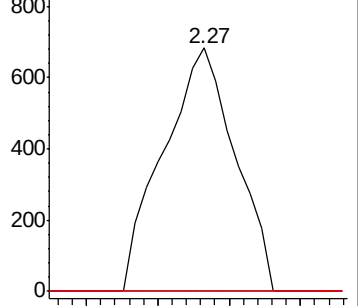
151 0.0 63.0 94.4#



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: 0.581 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU026867.D

Acq: 18 Sep 2018 17:10

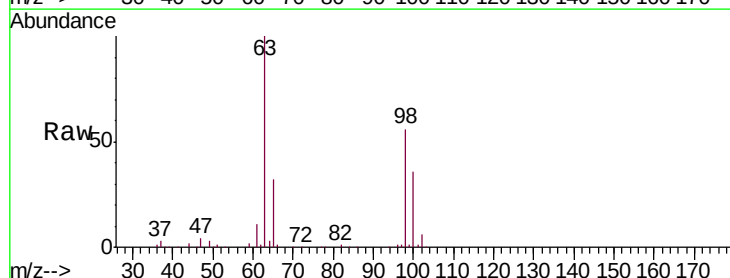
Tgt Ion: 96 Resp: 906

Ion Ratio Lower Upper

96 100

61 1263.7 124.0 230.4#

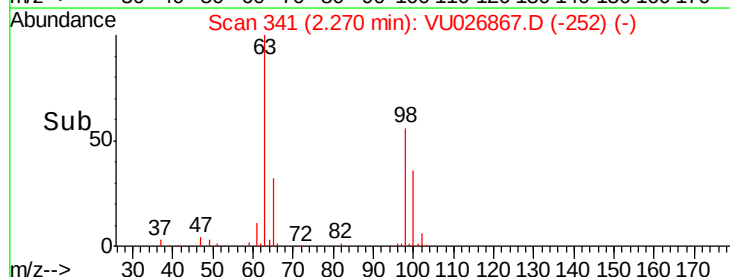
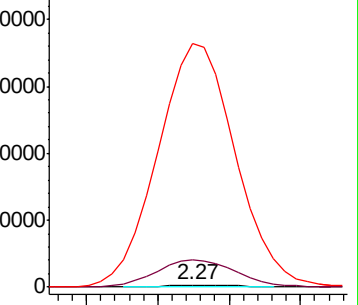
63 11165.6 97.7 181.5#

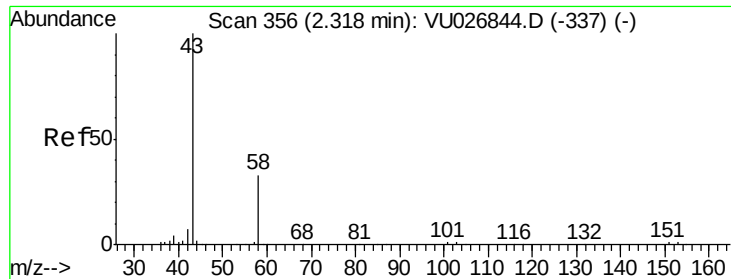


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.623 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026867.D

Acq: 18 Sep 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

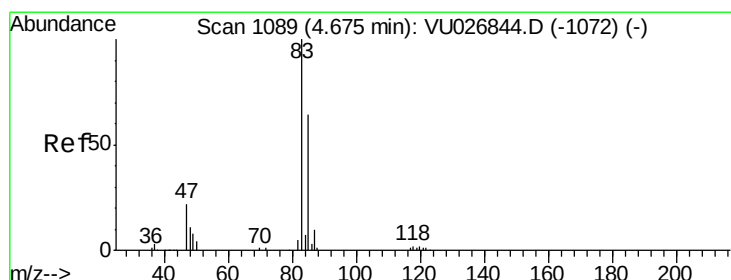
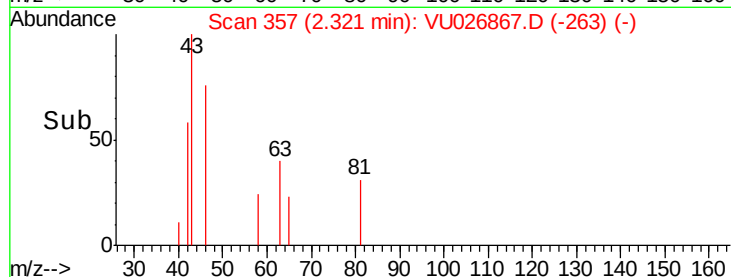
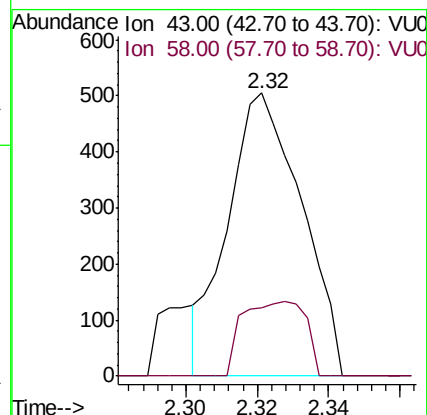
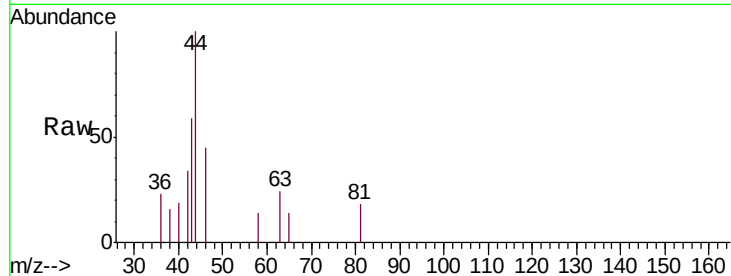
C08P3

Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

58 0.0 0.0 64.6



#25

Chloroform

Concen: 0.532 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026867.D

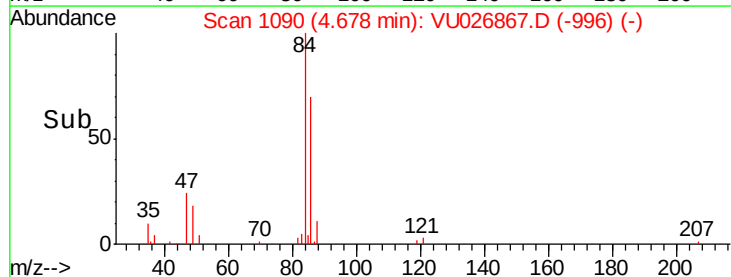
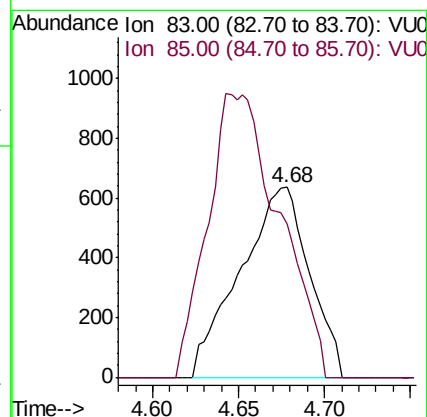
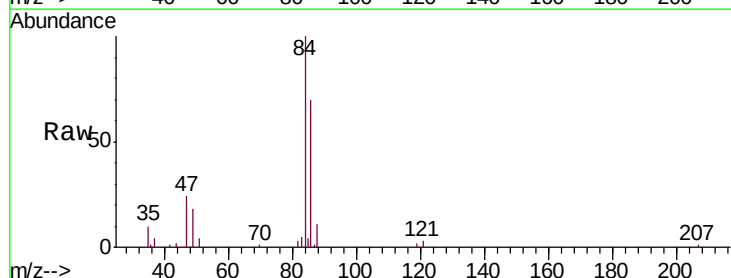
Acq: 18 Sep 2018 17:10

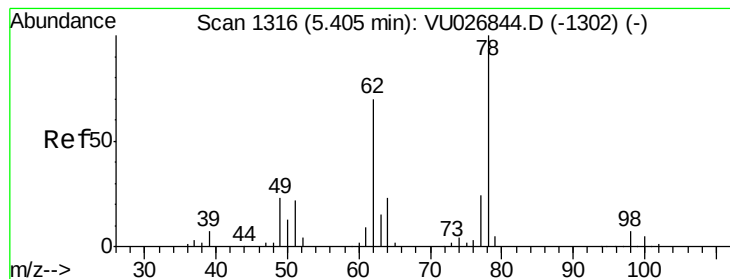
Tgt Ion: 83 Resp: 1786

Ion Ratio Lower Upper

83 100

85 80.7 44.4 82.5





#27

1,2-Dichloroethane

Concen: 5.648 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.01 min

Lab File: VU026867.D

Acq: 18 Sep 2018 17:10

Instrument :

MSVOA_U

ClientSampleId :

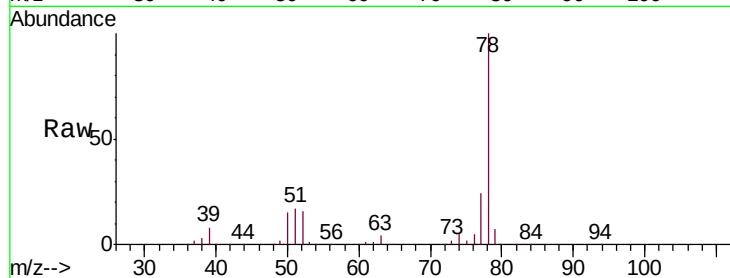
C08P3

Tgt Ion: 62 Resp: 14788

Ion Ratio Lower Upper

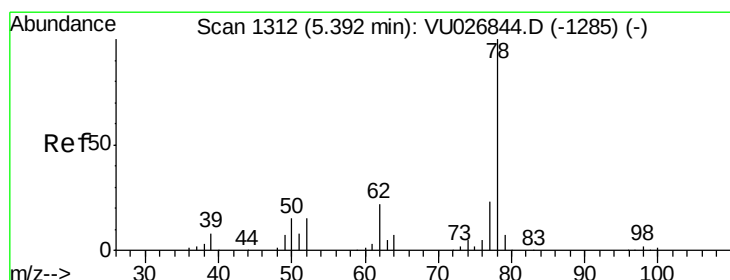
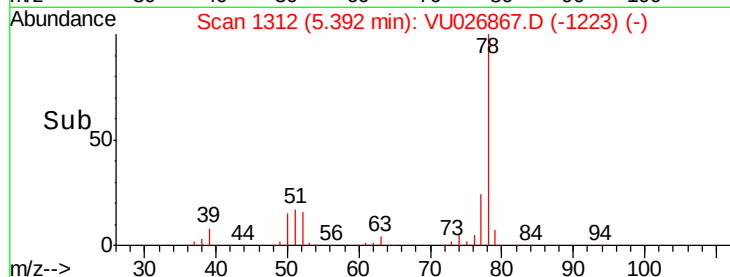
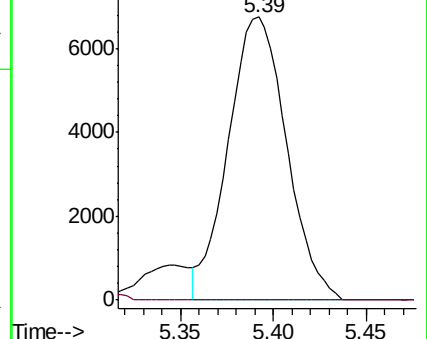
62 100

98 0.0 8.2 12.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 259.955 ug/L

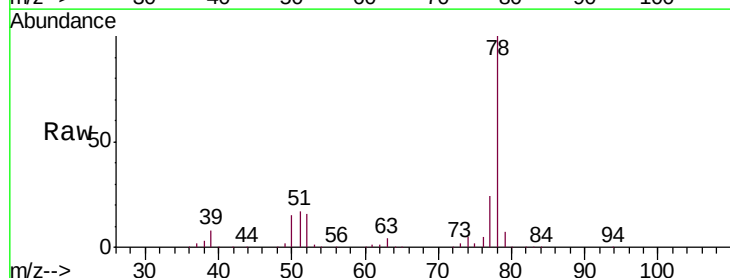
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

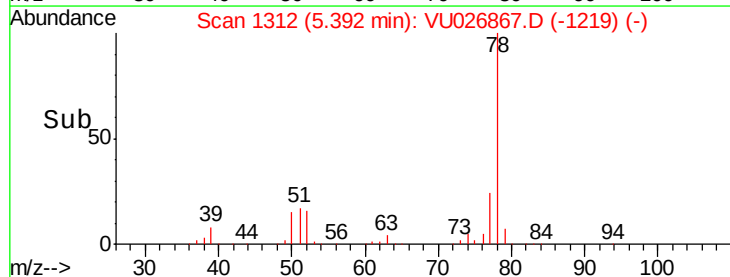
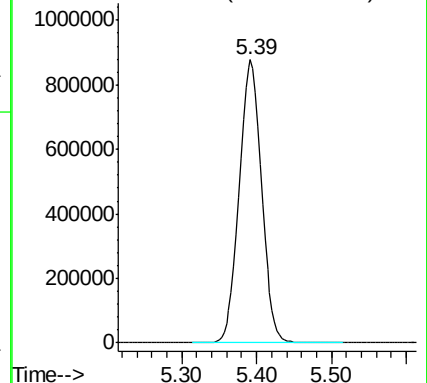
Lab File: VU026867.D

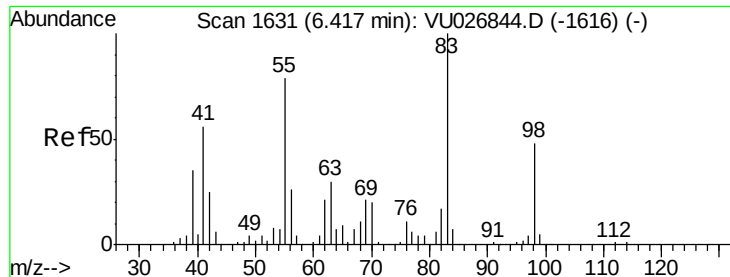
Acq: 18 Sep 2018 17:10

Tgt Ion: 78 Resp: 1830005



Abundance Ion 78.00 (77.70 to 78.70): VU0

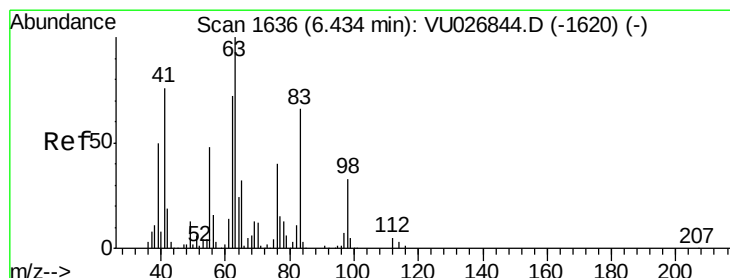
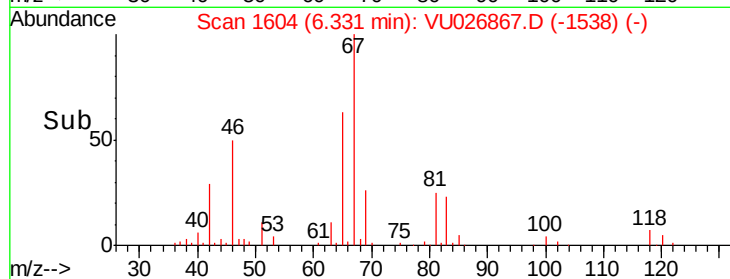
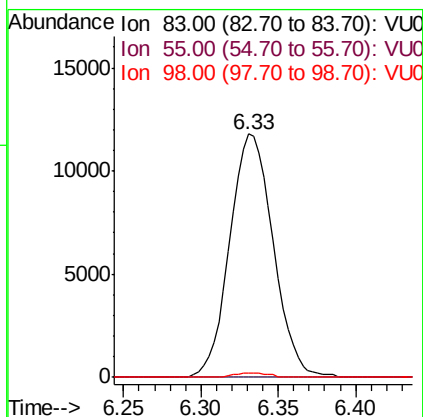
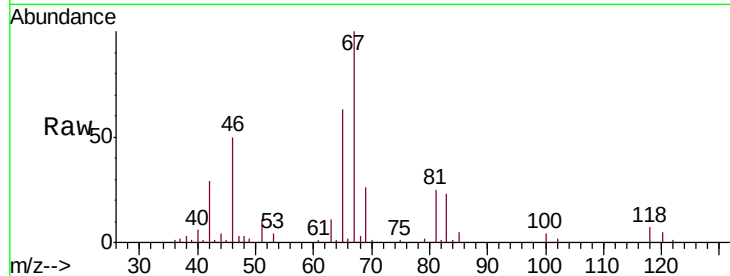




#35
Methylcyclohexane
Concen: 8.360 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026867.D
Acq: 18 Sep 2018 17:10

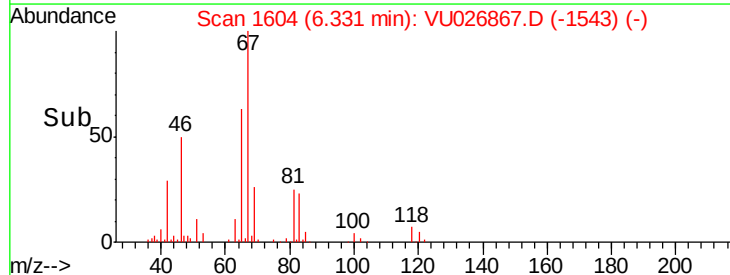
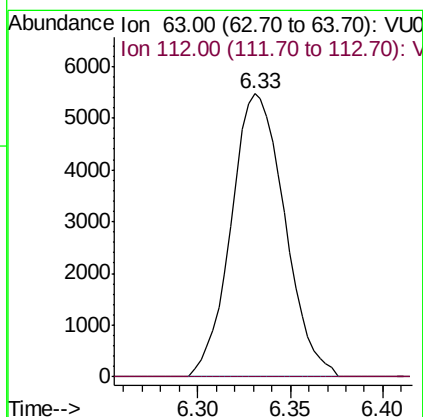
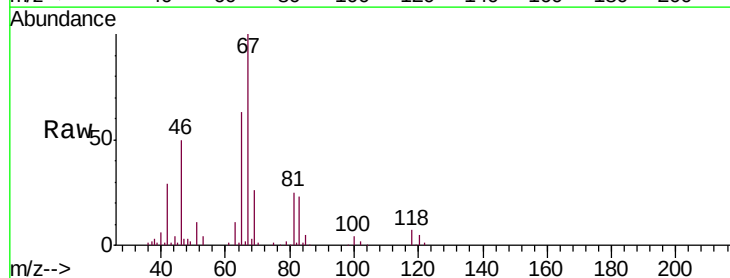
Instrument :
MSVOA_U
ClientSampleId :
C08P3

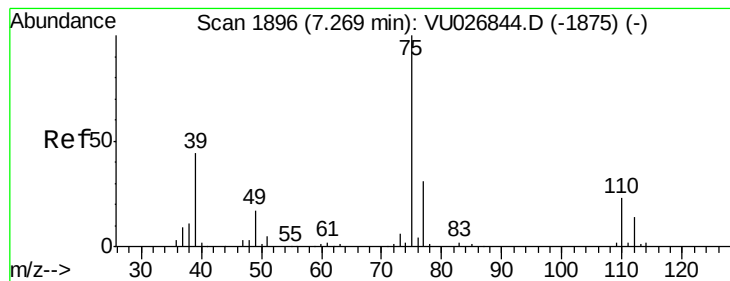
Tgt Ion: 83 Resp: 23020
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 1.4 38.3 57.5#



#37
1,2-Dichloropropane
Concen: 5.696 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU026867.D
Acq: 18 Sep 2018 17:10

Tgt Ion: 63 Resp: 11015
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



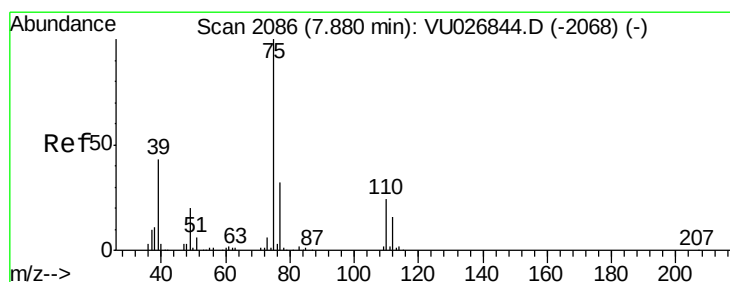
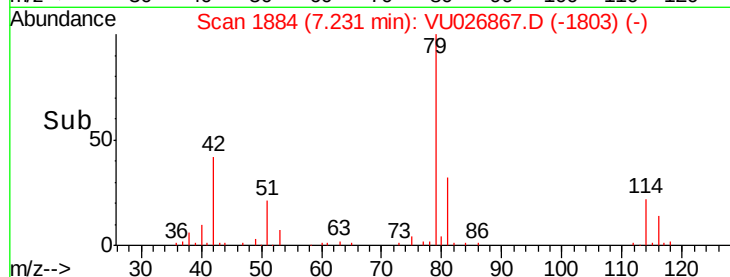
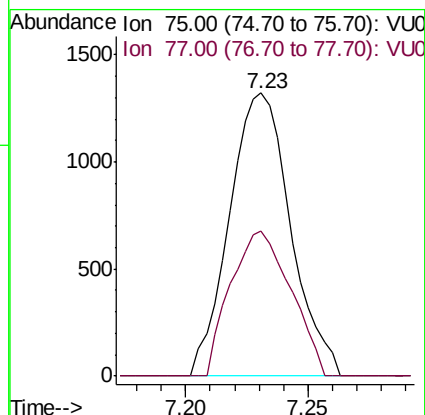
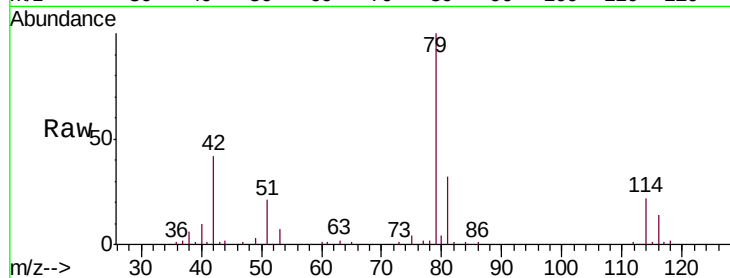


#39

cis-1,3-Dichloropropene
Concen: 0.842 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU026867.D
Acq: 18 Sep 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
C08P3

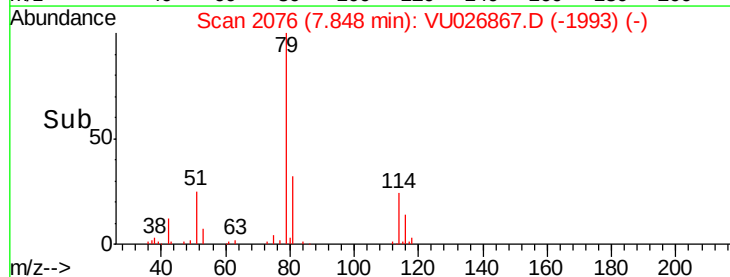
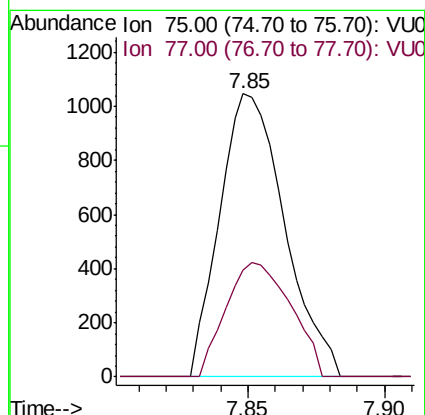
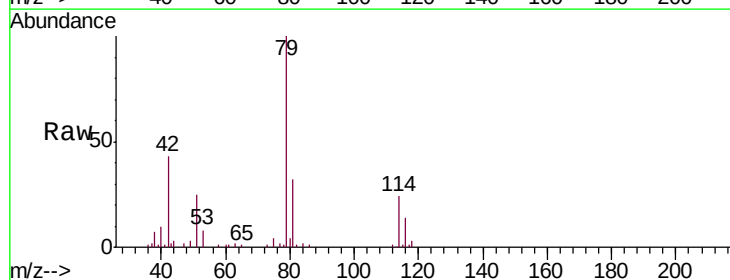
Tgt Ion: 75 Resp: 2299
Ion Ratio Lower Upper
75 100
77 51.2 22.1 41.1#

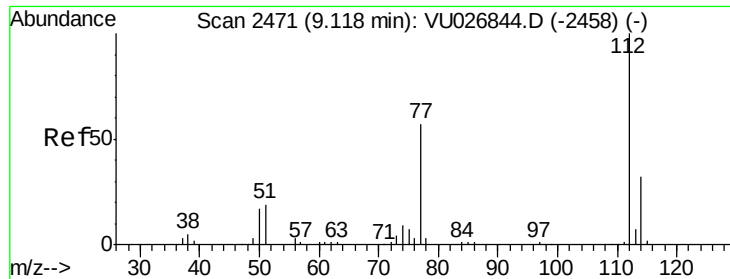


#44

trans-1,3-Dichloropropene
Concen: 0.677 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU026867.D
Acq: 18 Sep 2018 17:10

Tgt Ion: 75 Resp: 1731
Ion Ratio Lower Upper
75 100
77 37.6 22.8 42.4

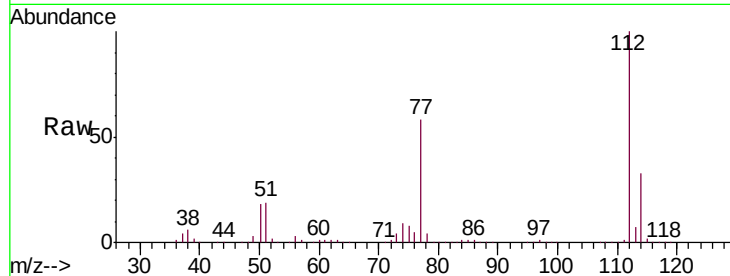




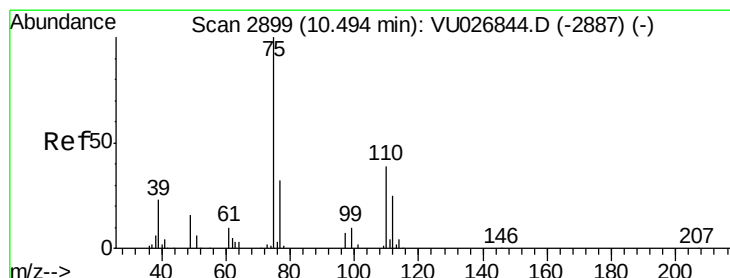
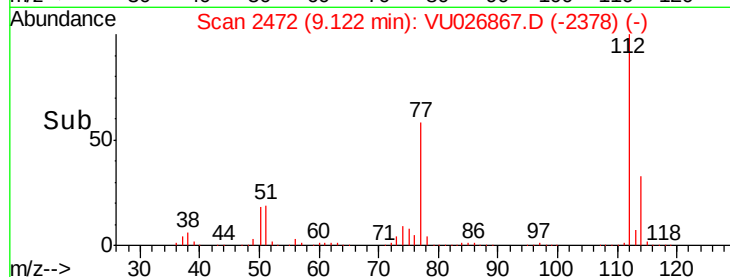
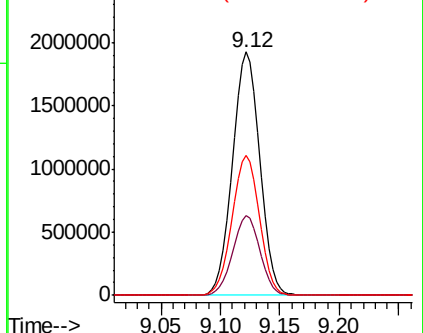
#51
Chlorobenzene
Concen: 634.814 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026867.D
Acq: 18 Sep 2018 17:10

Instrument :
MSVOA_U
ClientSampleId :
C08P3

Tgt Ion: 112 Resp: 3068603
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.5
77 57.5 45.1 67.7

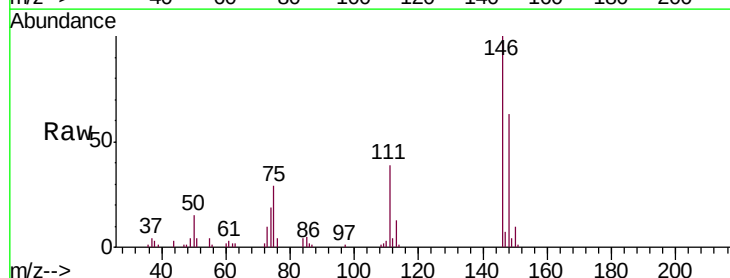


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

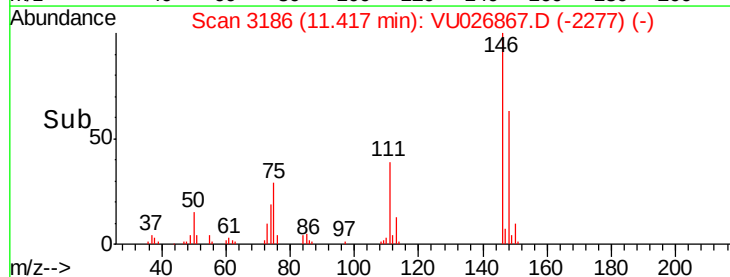
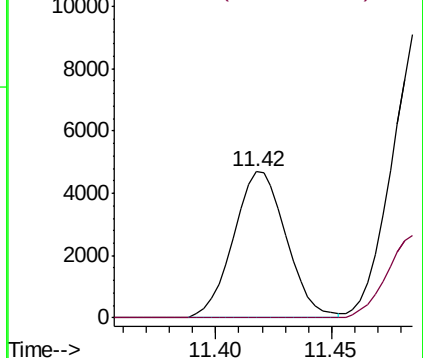


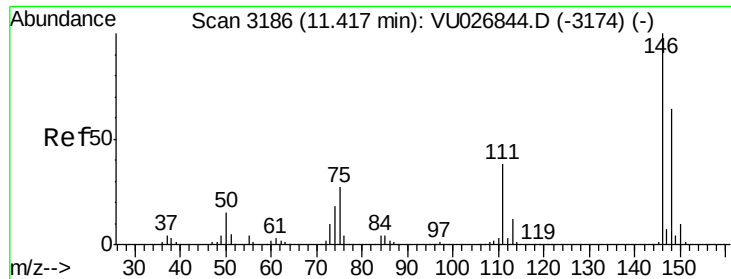
#59
1,2,3-Trichloropropane
Concen: 3.209 ug/L
RT: 11.42 min Scan# 3186
Delta R.T. 0.92 min
Lab File: VU026867.D
Acq: 18 Sep 2018 17:10

Tgt Ion: 75 Resp: 7434
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

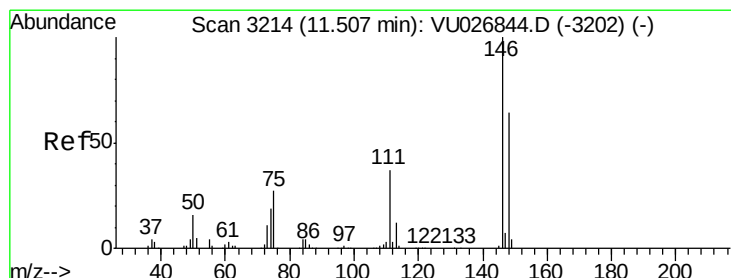
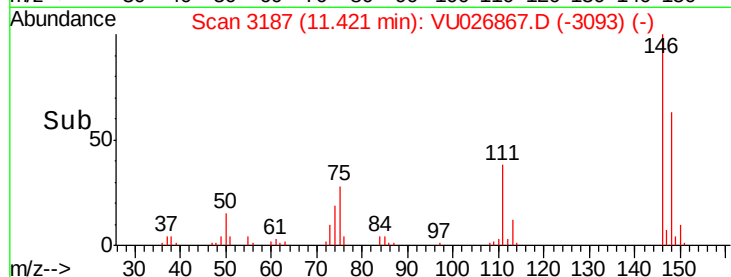
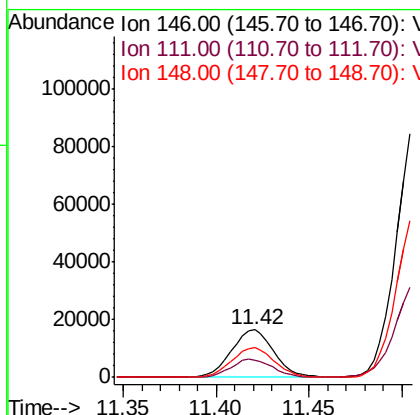
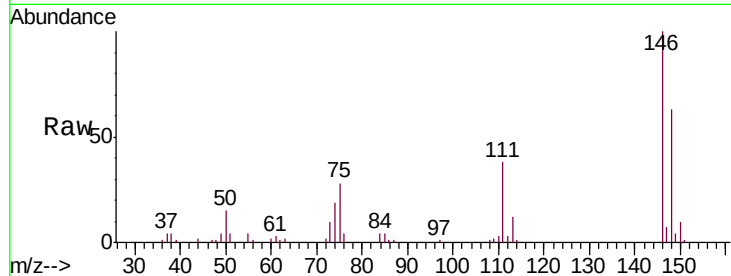




#62
 1,3-Dichlorobenzene
 Concen: 8.598 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026867.D
 Acq: 18 Sep 2018 17:10

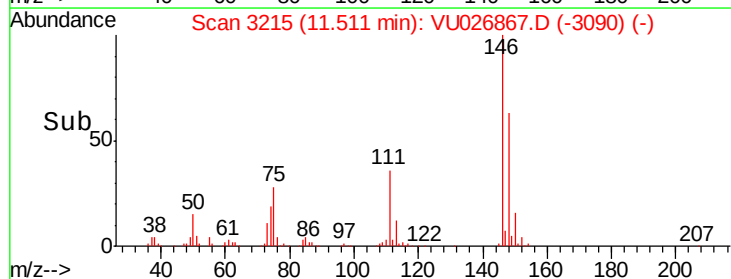
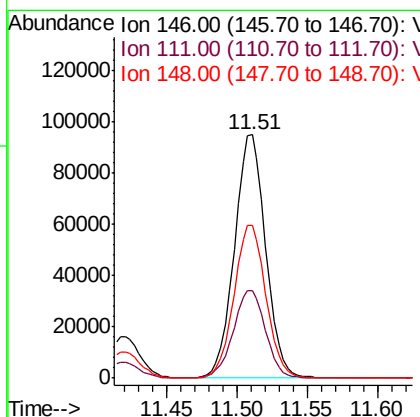
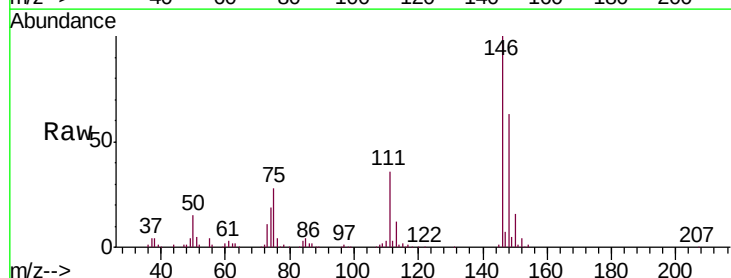
Instrument :
 MSVOA_U
 ClientSampled :
 C08P3

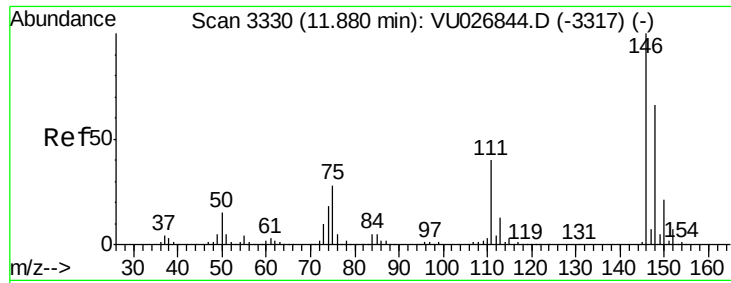
Tgt Ion:146 Resp: 26054
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.7 49.7
 148 63.1 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 43.914 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026867.D
 Acq: 18 Sep 2018 17:10

Tgt Ion:146 Resp: 146532
 Ion Ratio Lower Upper
 146 100
 111 36.0 26.0 48.2
 148 62.9 45.8 85.2

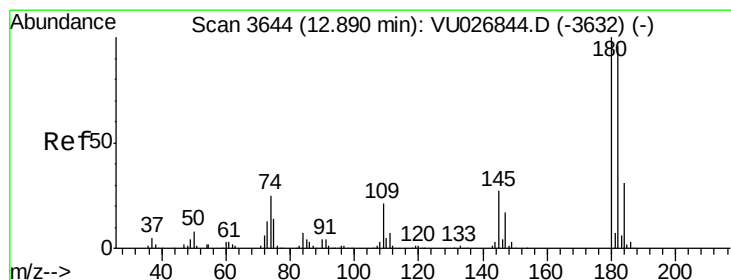
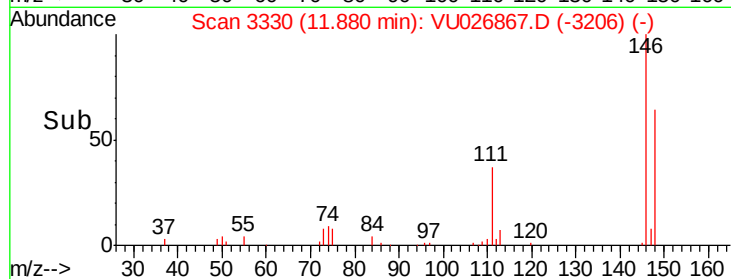
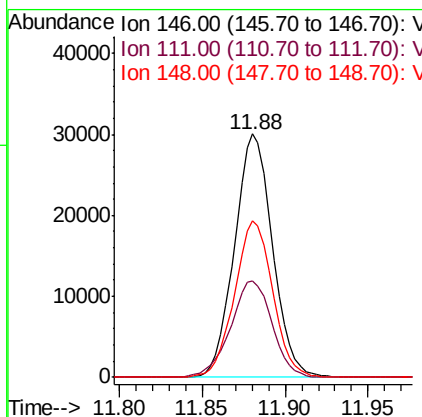
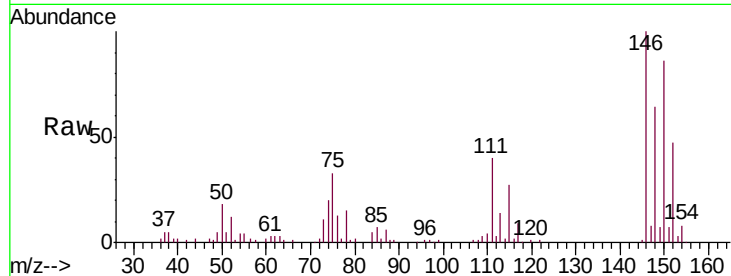




#65
 1,2-Dichlorobenzene
 Concen: 14.286 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026867.D
 Acq: 18 Sep 2018 17:10

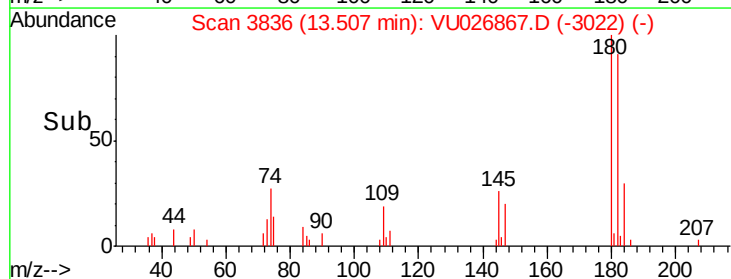
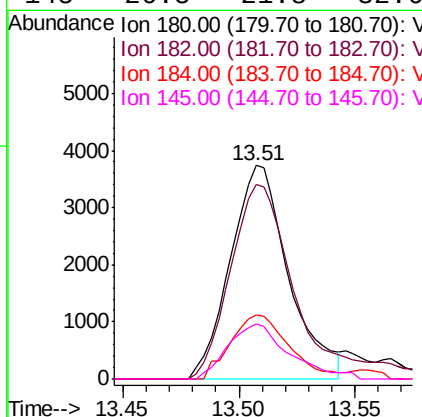
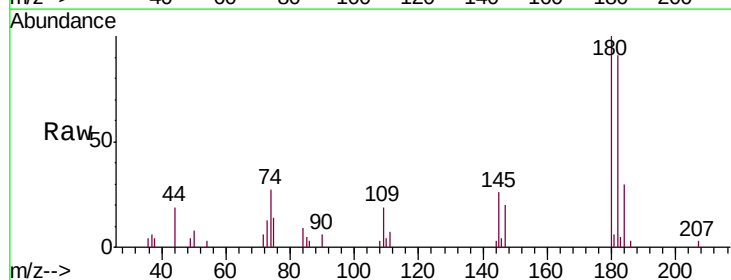
Instrument :
 MSVOA_U
 ClientSampleId :
 C08P3

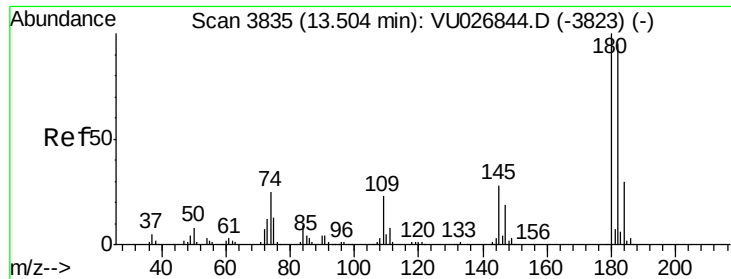
Tgt Ion:146 Resp: 47937
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.4 47.0
 148 64.5 51.4 77.2



#67
 1,3,5-Trichlorobenzene
 Concen: 2.789 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026867.D
 Acq: 18 Sep 2018 17:10

Tgt Ion:180 Resp: 6540
 Ion Ratio Lower Upper
 180 100
 182 102.8 76.7 115.1
 184 30.4 24.2 36.4
 145 26.5 21.8 32.6

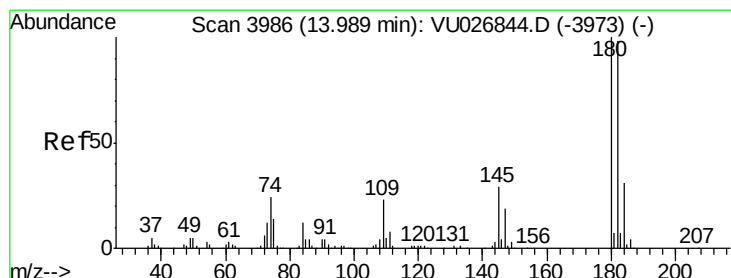
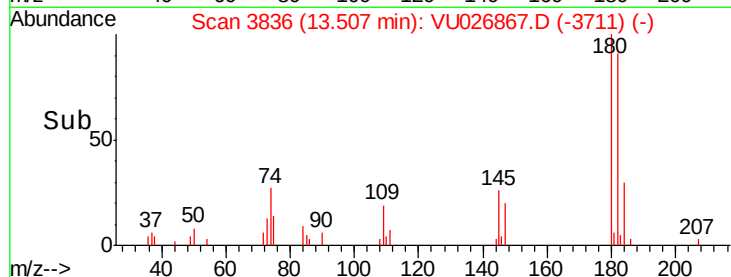
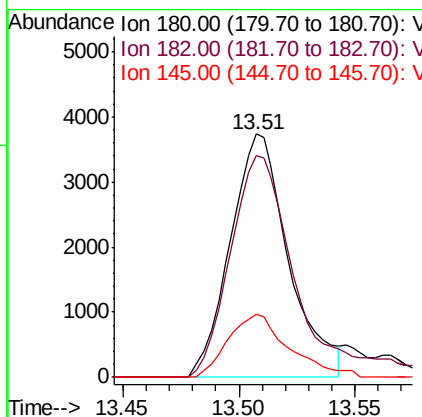
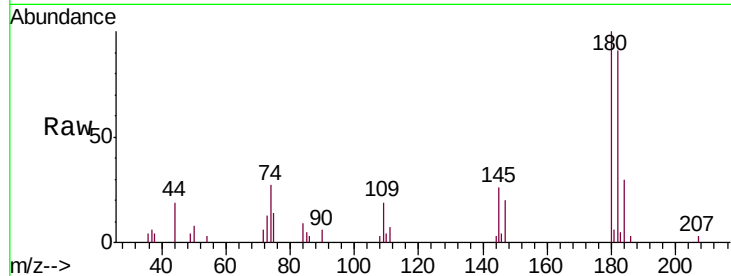




#68
 1,2,4-trichlorobenzene
 Concen: 3.236 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026867.D
 Acq: 18 Sep 2018 17:10

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P3

Tgt Ion:180 Resp: 6540
 Ion Ratio Lower Upper
 180 100
 182 102.8 76.8 115.2
 145 26.5 22.2 33.2



#70
 1,2,3-Trichlorobenzene
 Concen: 0.701 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026867.D
 Acq: 18 Sep 2018 17:10

Tgt Ion:180 Resp: 1560
 Ion Ratio Lower Upper
 180 100
 182 98.6 75.6 113.4
 145 15.7 23.8 35.6#

