

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026743.D
 Acq On : 13 Sep 2018 22:09
 Operator : MD/SY
 Sample : J4893-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

Quant Time: Sep 14 03:01:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	183403	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177016	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58773	43.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.00%
7) Chloroethane-d5	1.68	69	49075	44.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.12%
11) 1,1-Dichloroethene-d2	2.27	63	84058	34.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.74%
21) 2-Butanone-d5	4.18	46	85203	100.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.18%
24) Chloroform-d	4.65	84	96868	42.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.26%
26) 1,2-Dichloroethane-d4	5.31	65	66183	44.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.00%
32) Benzene-d6	5.34	84	203918	44.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.02%
36) 1,2-Dichloropropane-d6	6.33	67	69037	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.80%
41) Toluene-d8	7.57	98	188559	43.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.72%
43) trans-1,3-Dichloropropene-	7.85	79	30221	42.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.56%
47) 2-Hexanone-d5	8.31	63	59124	94.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	90183	42.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.68%
64) 1,2-Dichlorobenzene-d4	11.87	152	86933	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	879	0.781	ug/L #	18
13) Acetone	2.32	43	2141	2.210	ug/L	91
25) Chloroform	4.67	83	2933	1.313	ug/L	91
33) Benzene	5.39	78	3889	0.785	ug/L	100
37) 1,2-Dichloropropane	6.33	63	7109	5.134	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1744	0.851	ug/L #	67
44) trans-1,3-Dichloropropene	7.85	75	1130	0.593	ug/L #	65
51) Chlorobenzene	9.12	112	3022157	895.839	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	52221	31.871	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	178606	67.196	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	747383	265.428	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	8098181	2882.773	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	3639	8.018	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.89	180	3432	1.628	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	1179743	643.786	ug/L	99
69) Naphthalene	13.75	128	2114	0.376	ug/L	95
70) 1,2,3-Trichlorobenzene	13.99	180	187055	94.234	ug/L	99

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Response via : Initial Calibration

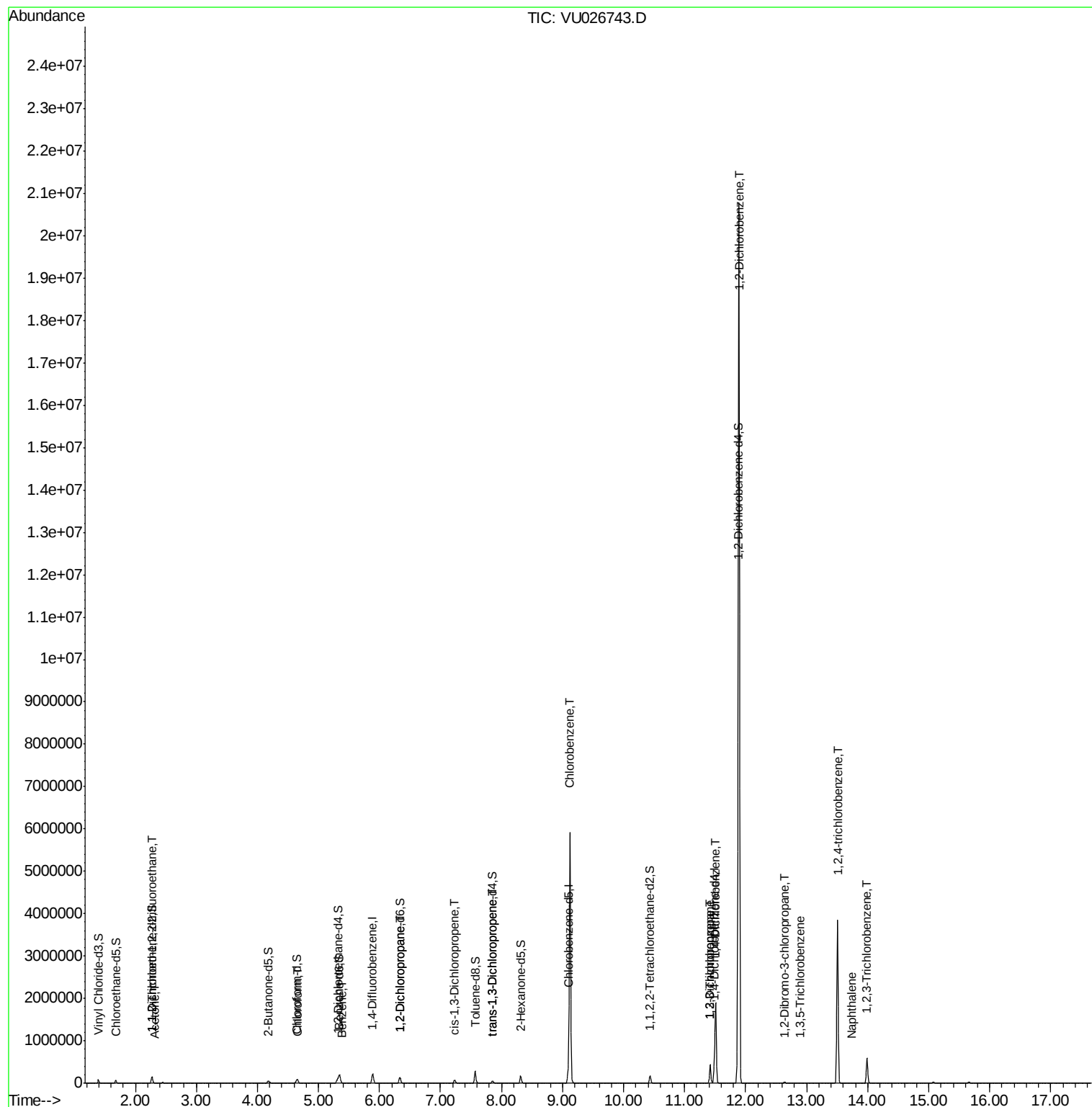
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

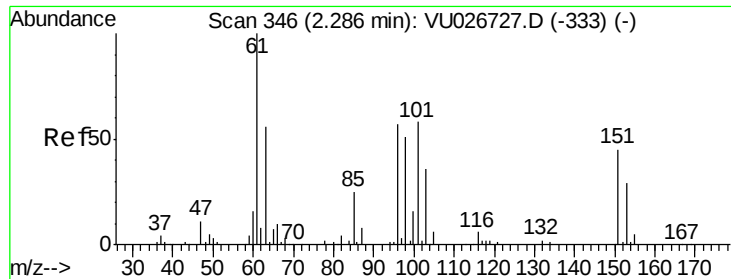
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.781 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

C08P0

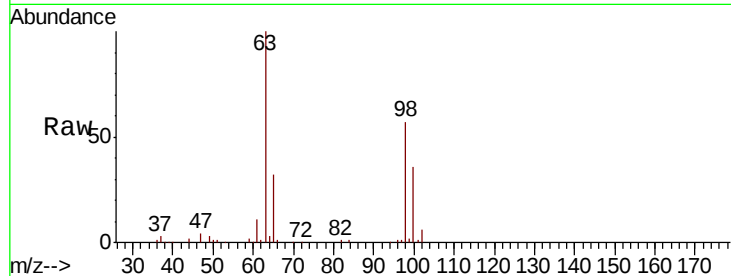
Tgt Ion:101 Resp: 879

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

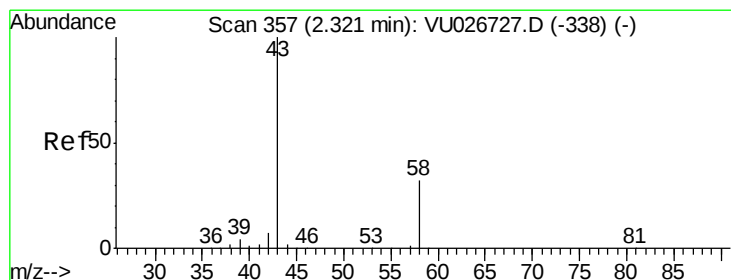
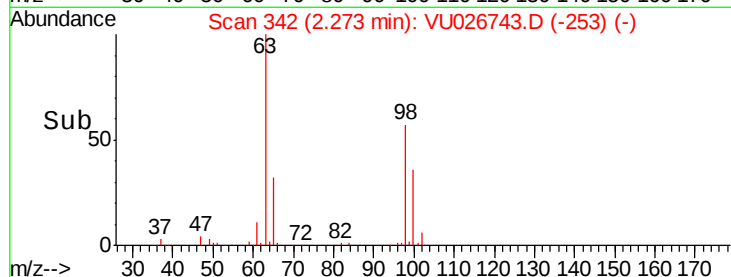
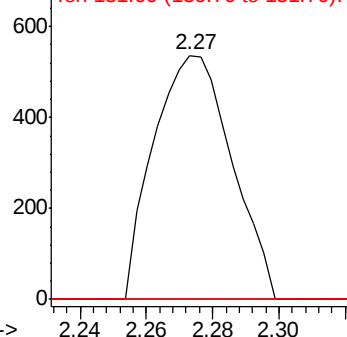
151 0.0 62.6 94.0#



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



#13

Acetone

Concen: 2.210 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026743.D

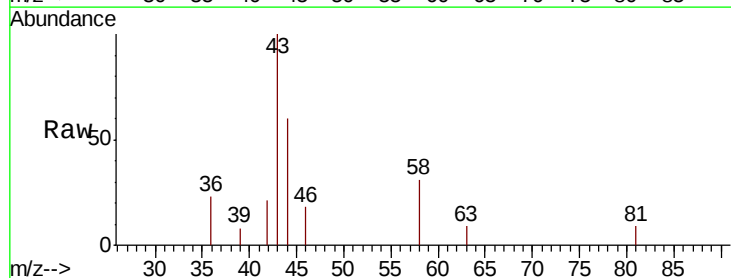
Acq: 13 Sep 2018 22:09

Tgt Ion: 43 Resp: 2141

Ion Ratio Lower Upper

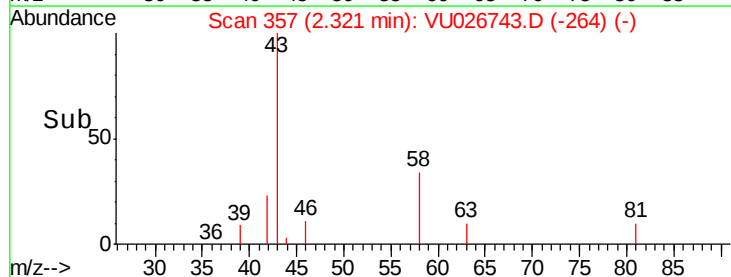
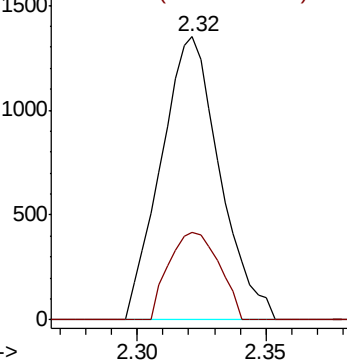
43 100

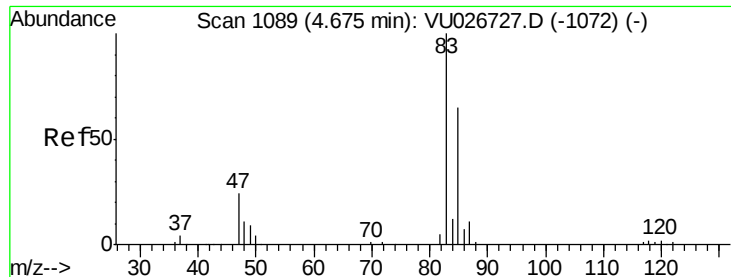
58 26.6 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

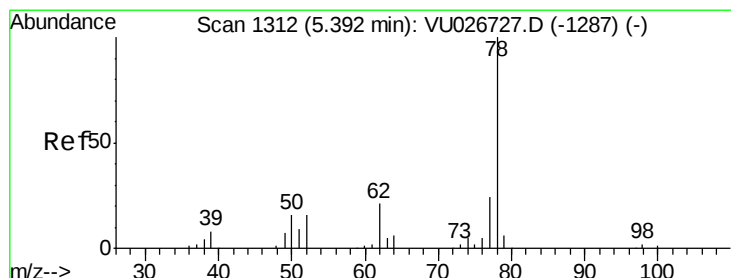
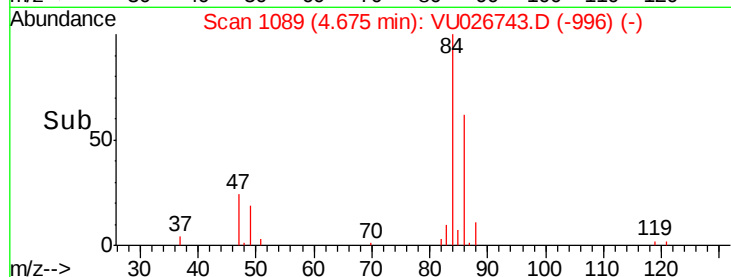
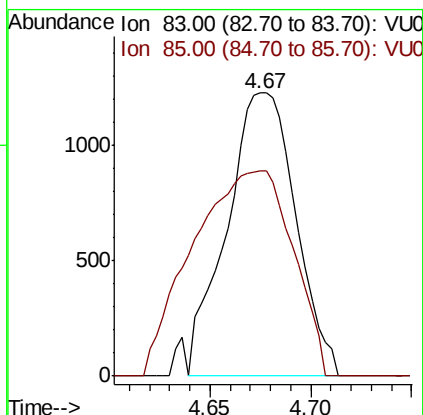
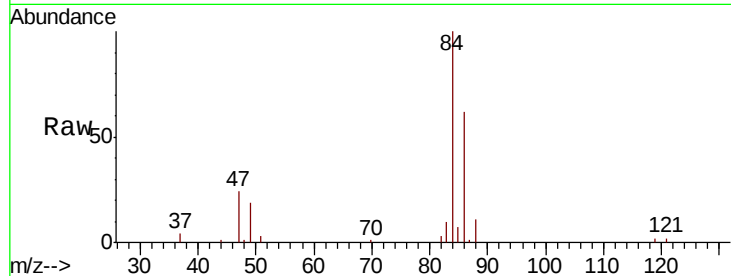




#25
Chloroform
Concen: 1.313 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026743.D
Acq: 13 Sep 2018 22:09

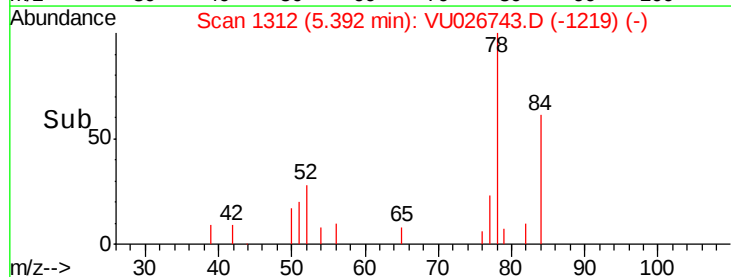
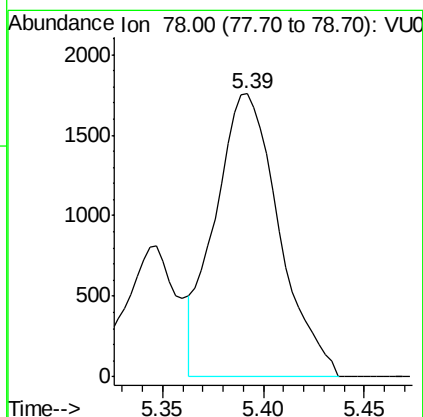
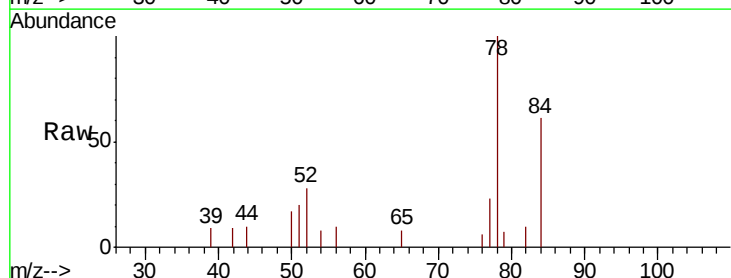
Instrument :
MSVOA_U
ClientSampleId :
C08P0

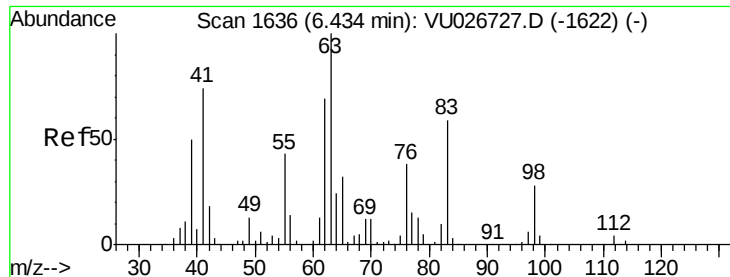
Tgt Ion: 83 Resp: 2933
Ion Ratio Lower Upper
83 100
85 72.6 45.6 84.6



#33
Benzene
Concen: 0.785 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026743.D
Acq: 13 Sep 2018 22:09

Tgt Ion: 78 Resp: 3889





#37

1,2-Dichloropropane

Concen: 5.134 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

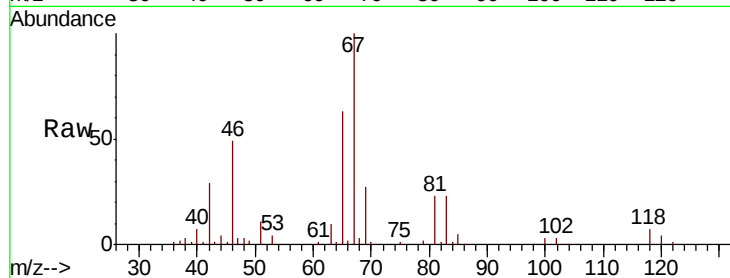
C08P0

Tgt Ion: 63 Resp: 7109

Ion Ratio Lower Upper

63 100

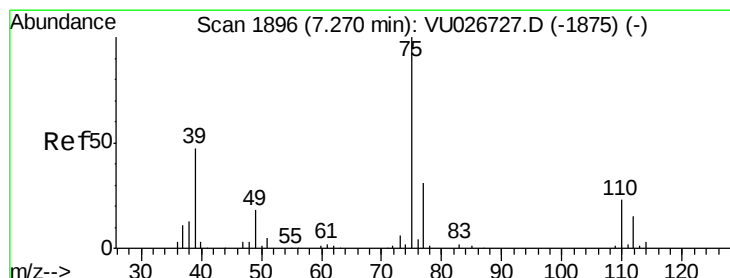
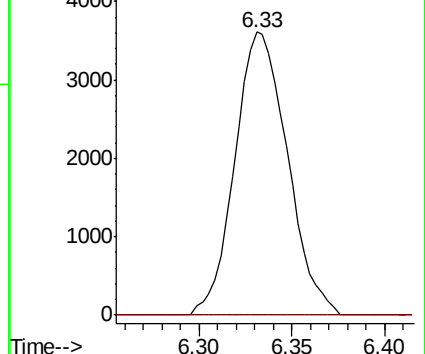
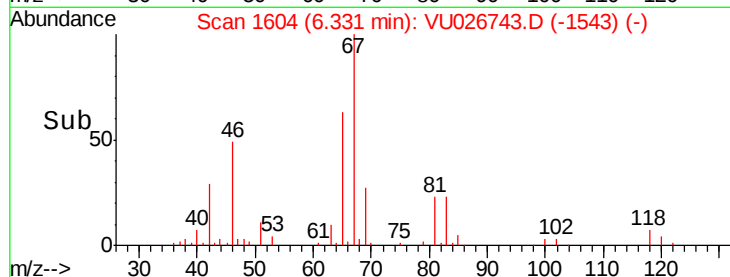
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU026727.D (-1622) (-)

Ion 112.00 (111.70 to 112.70): VU026727.D (-1622) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.851 ug/L

RT: 7.23 min Scan# 1884

Delta R.T. -0.04 min

Lab File: VU026743.D

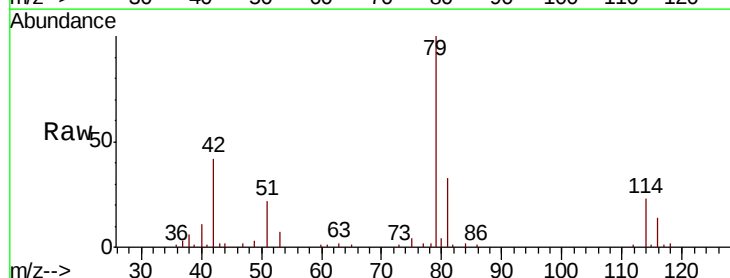
Acq: 13 Sep 2018 22:09

Tgt Ion: 75 Resp: 1744

Ion Ratio Lower Upper

75 100

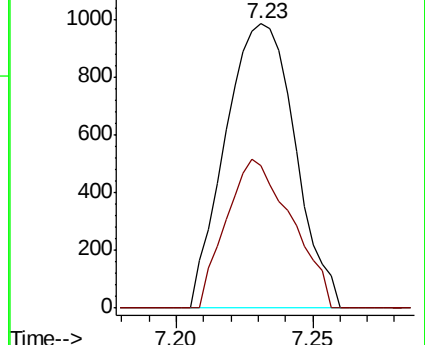
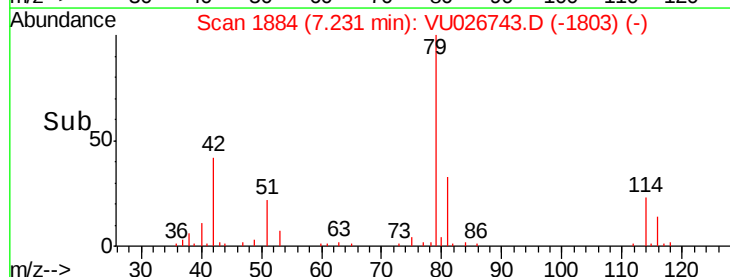
77 50.1 22.3 41.3#

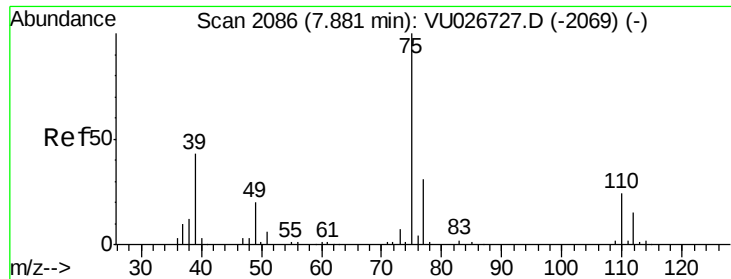


Abundance Ion 75.00 (74.70 to 75.70): VU026727.D (-1875) (-)

Ion 77.00 (76.70 to 77.70): VU026727.D (-1875) (-)

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.593 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

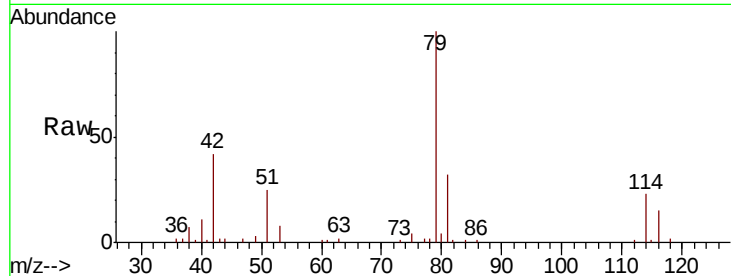
C08P0

Tgt Ion: 75 Resp: 1130

Ion Ratio Lower Upper

75 100

77 51.8 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

800

600

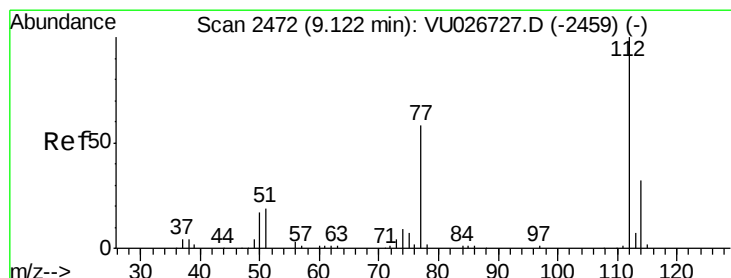
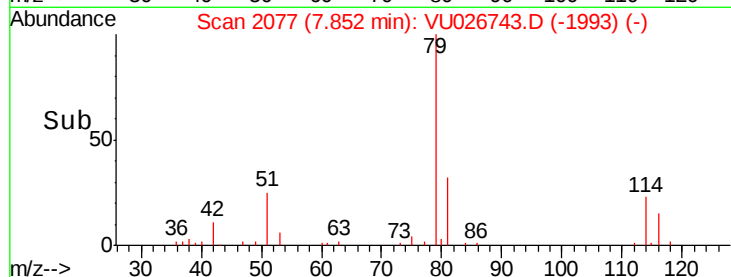
400

200

0

7.82 7.84 7.86 7.88

Time-->



#51

Chlorobenzene

Concen: 895.839 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

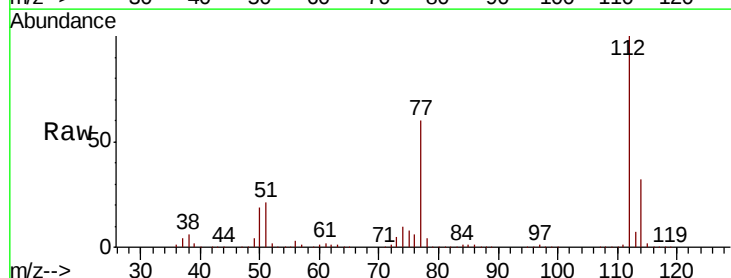
Tgt Ion: 112 Resp: 3022157

Ion Ratio Lower Upper

112 100

114 32.4 22.9 42.5

77 59.6 47.2 70.8



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

2500000

2000000

1500000

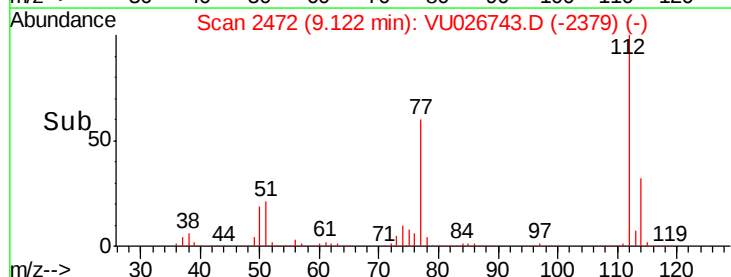
1000000

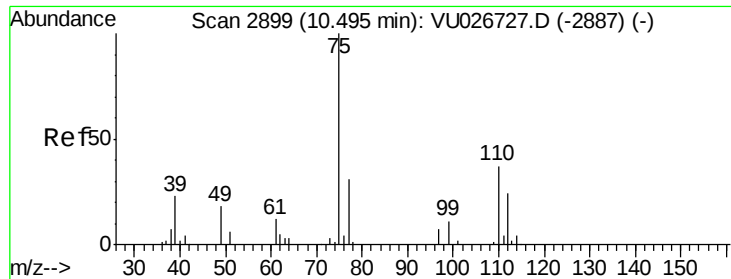
500000

0

9.00 9.10 9.20 9.30

Time-->





#59

1,2,3-Trichloropropane

Concen: 31.871 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

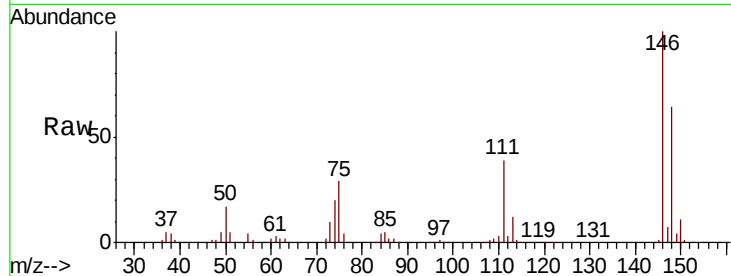
C08P0

Tgt Ion: 75 Resp: 52221

Ion Ratio Lower Upper

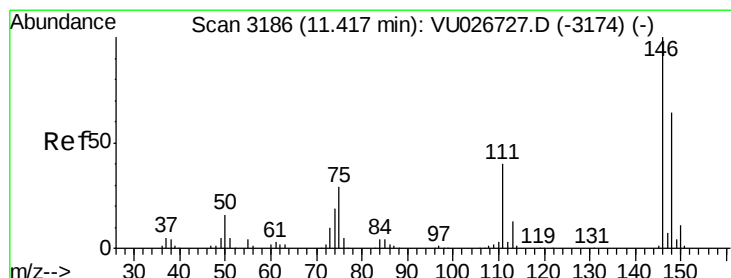
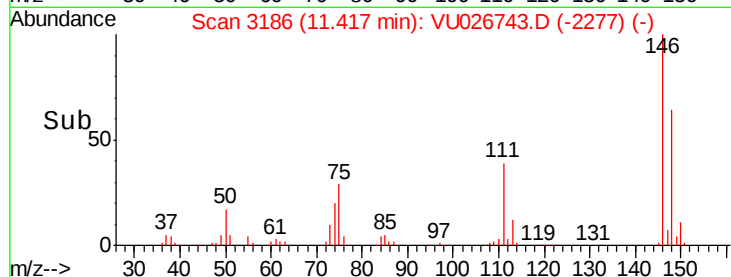
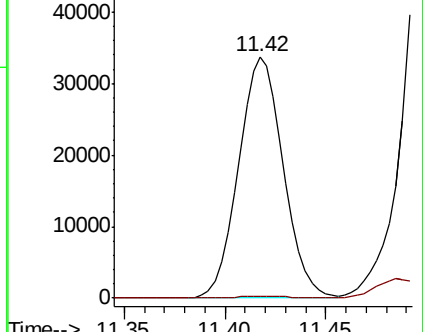
75 100

77 0.7 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU026727.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU026727.D (-2887) (-)



#62

1,3-Dichlorobenzene

Concen: 67.196 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

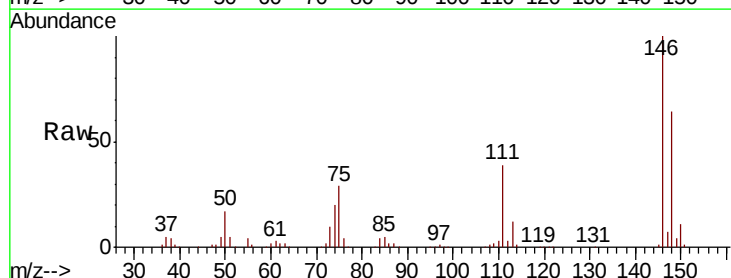
Tgt Ion: 146 Resp: 178606

Ion Ratio Lower Upper

146 100

111 39.3 26.7 49.5

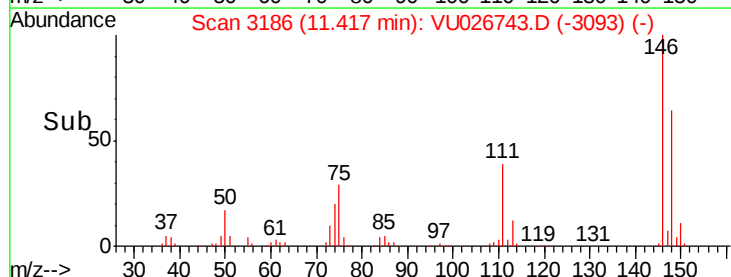
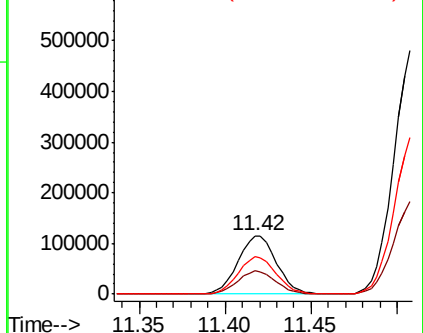
148 63.9 44.2 82.2

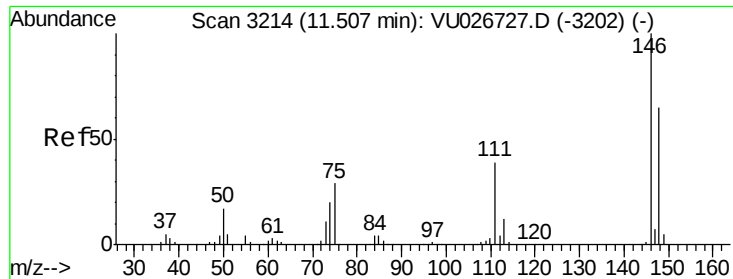


Abundance Ion 146.00 (145.70 to 146.70): VU026727.D (-3174) (-)

Ion 111.00 (110.70 to 111.70): VU026727.D (-3174) (-)

Ion 148.00 (147.70 to 148.70): VU026727.D (-3174) (-)

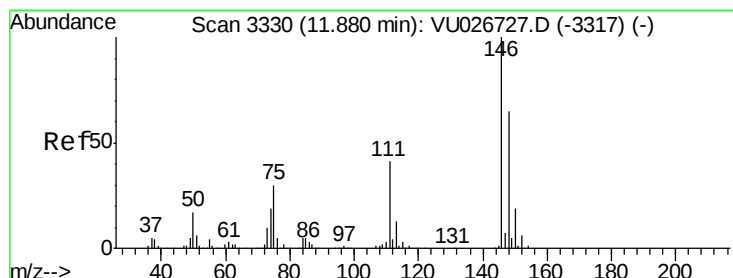
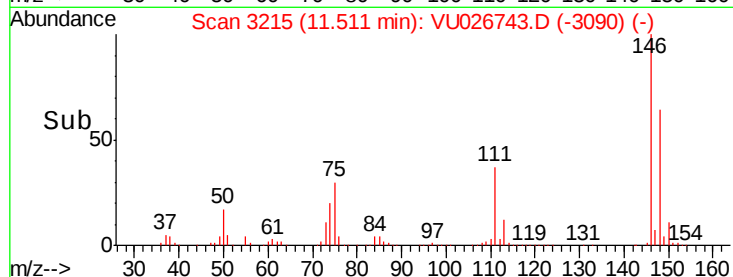
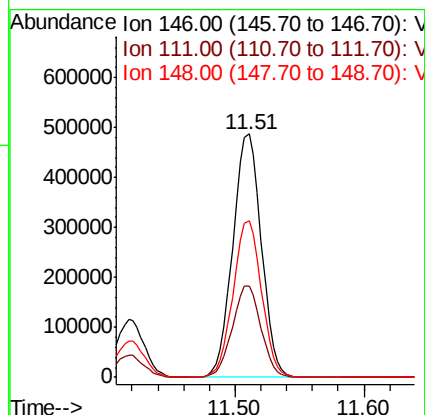
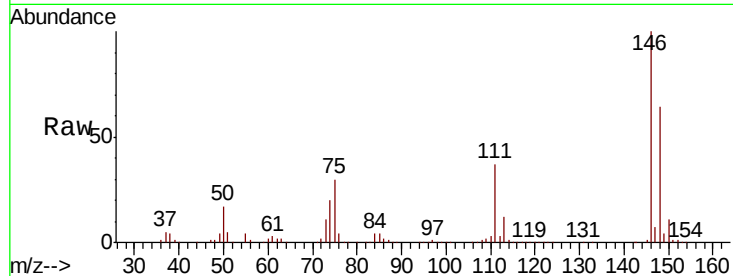




#63
 1,4-Dichlorobenzene
 Concen: 265.428 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026743.D
 Acq: 13 Sep 2018 22:09

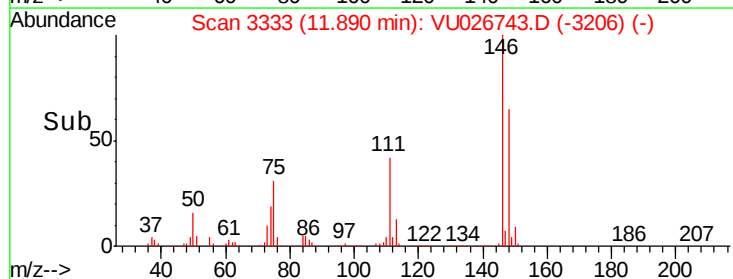
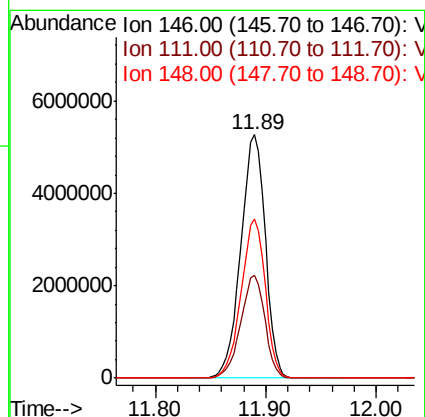
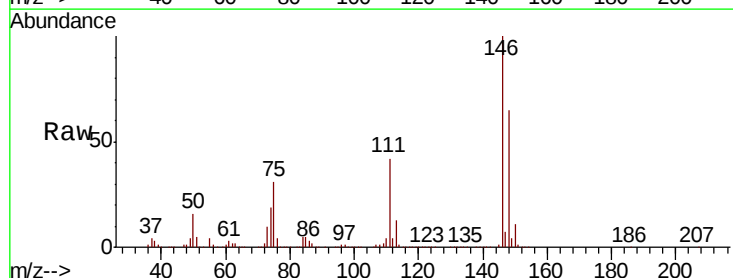
Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

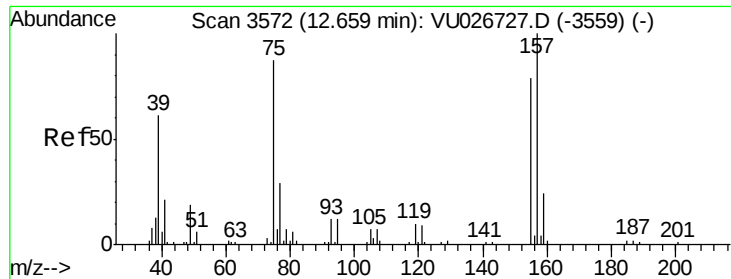
Tgt Ion:146 Resp: 747383
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.5 49.3
 148 64.5 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 2882.773 ug/L
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.01 min
 Lab File: VU026743.D
 Acq: 13 Sep 2018 22:09

Tgt Ion:146 Resp: 8098181
 Ion Ratio Lower Upper
 146 100
 111 42.3 32.8 49.2
 148 65.2 52.2 78.4

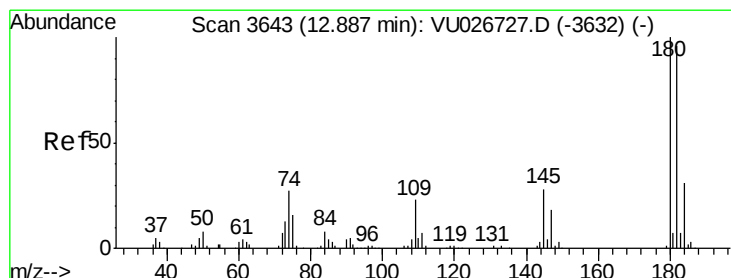
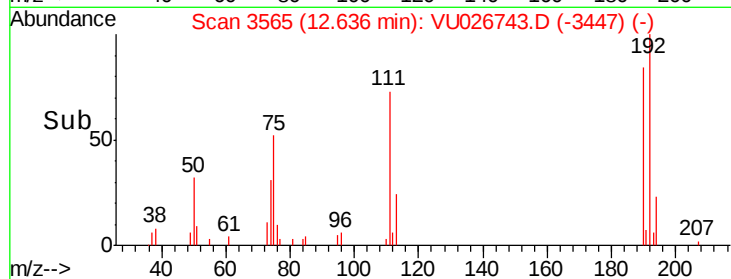
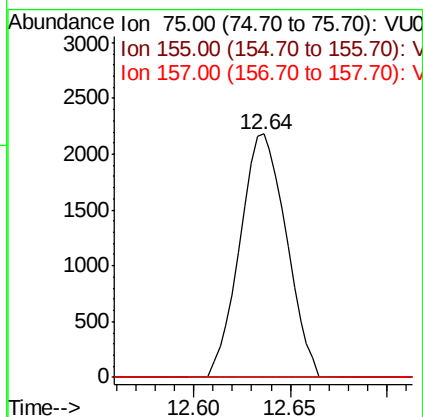
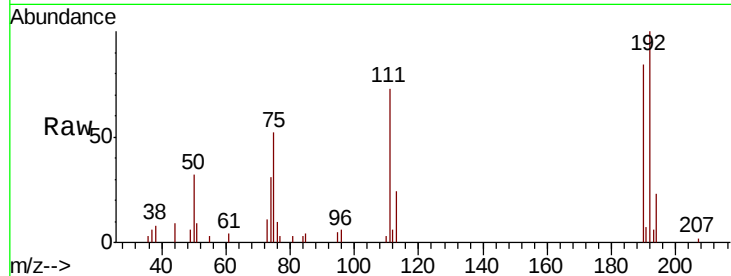




#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.018 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026743.D
 Acq: 13 Sep 2018 22:09

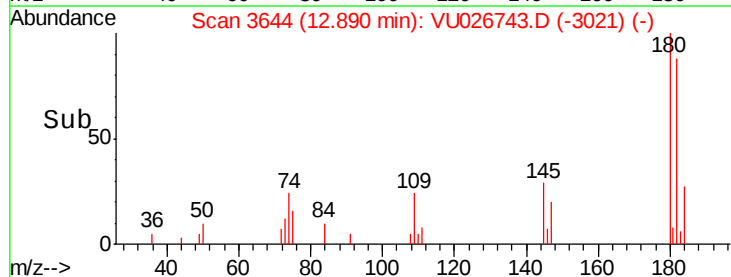
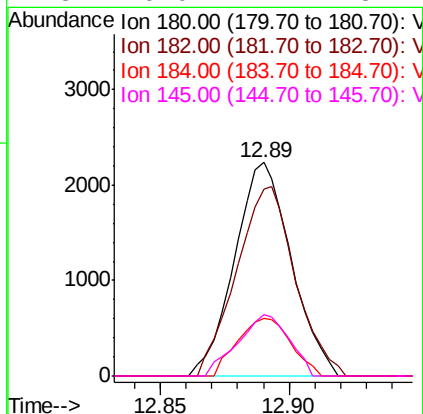
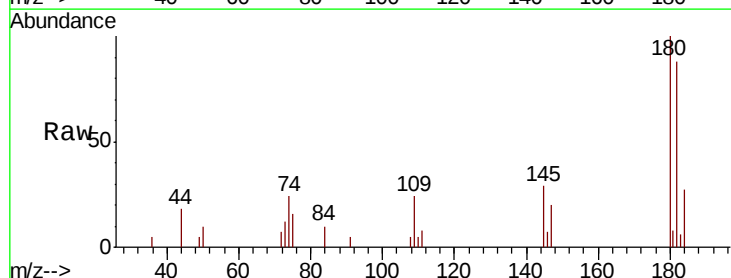
Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

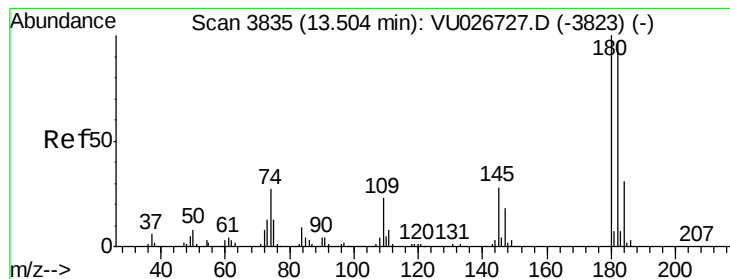
Tgt Ion: 75 Resp: 3639
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.3 103.9#
 157 0.0 93.4 140.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 1.628 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026743.D
 Acq: 13 Sep 2018 22:09

Tgt Ion: 180 Resp: 3432
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.8 115.2
 184 25.3 24.2 36.2
 145 26.0 21.4 32.2





#68

1,2,4-trichlorobenzene

Concen: 643.786 ug/L

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

Instrument :

MSVOA_U

ClientSampleId :

C08P0

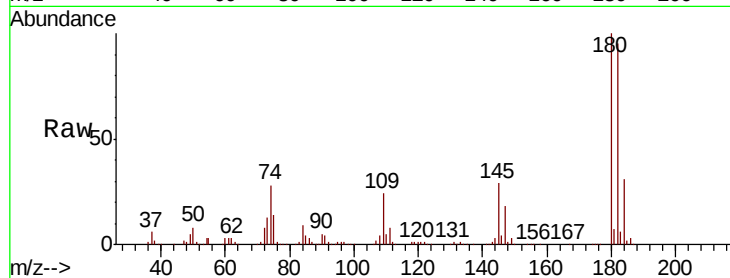
Tgt Ion:180 Resp: 1179743

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

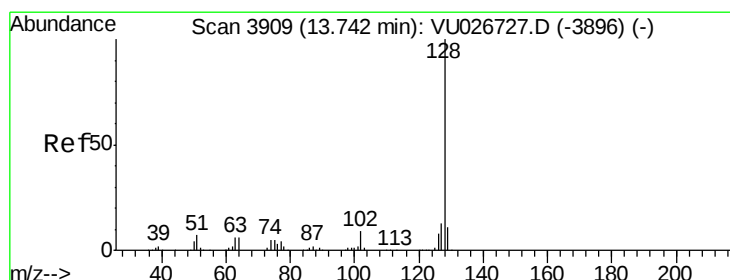
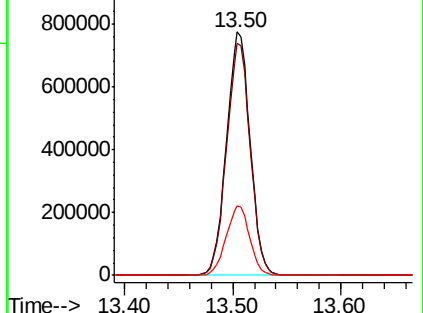
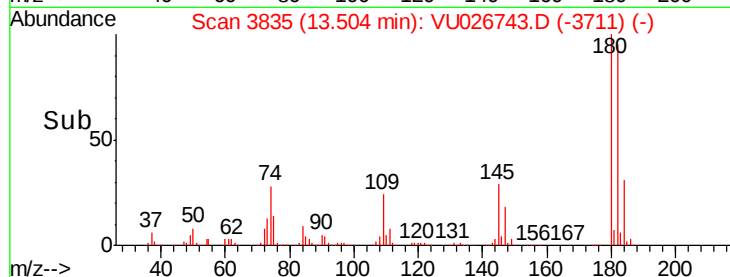
145 28.4 23.4 35.0



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



#69

Naphthalene

Concen: 0.376 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026743.D

Acq: 13 Sep 2018 22:09

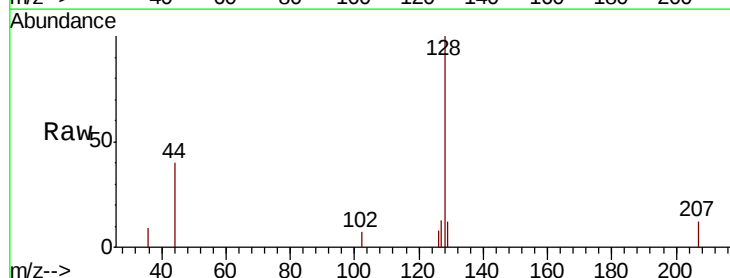
Tgt Ion:128 Resp: 2114

Ion Ratio Lower Upper

128 100

127 10.9 10.3 15.5

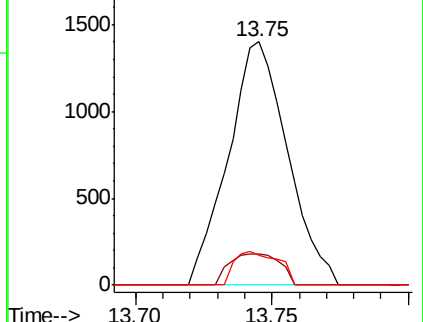
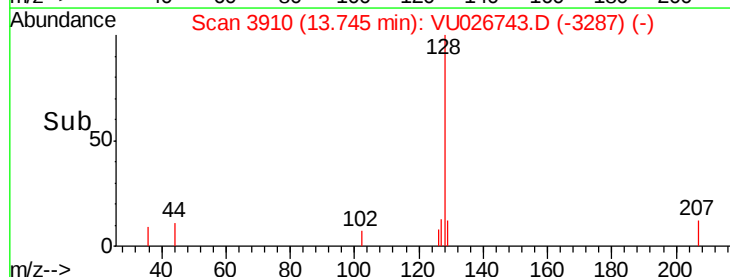
129 9.0 8.6 13.0

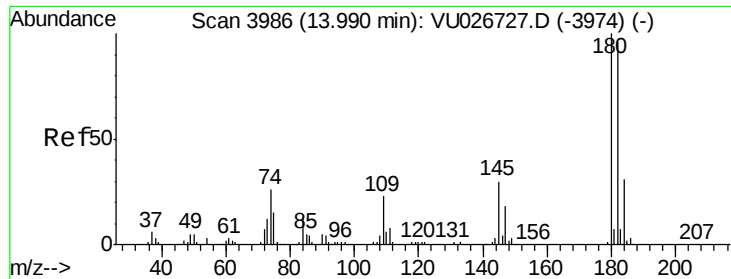


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

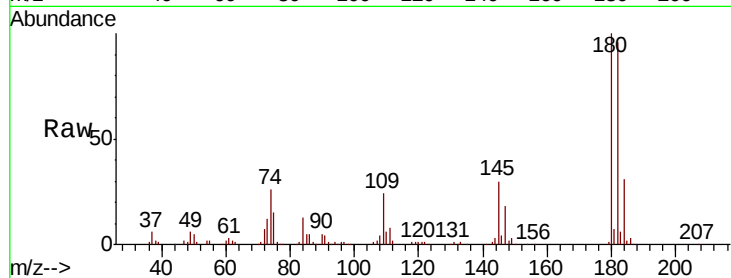




#70
 1,2,3-Trichlorobenzene
 Concen: 94.234 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. -0.00 min
 Lab File: VU026743.D
 Acq: 13 Sep 2018 22:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C08P0

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	30.0	23.0	34.6



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

