

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026742.D
 Acq On : 13 Sep 2018 21:46
 Operator : MD/SY
 Sample : J4893-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N9

Quant Time: Sep 14 01:23:45 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	186940	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	181855	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	95561	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58022	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.30%
7) Chloroethane-d5	1.68	69	48251	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.96%
11) 1,1-Dichloroethene-d2	2.27	63	83082	33.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.64%
21) 2-Butanone-d5	4.18	46	81215	93.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.68%
24) Chloroform-d	4.65	84	94449	40.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.54%
26) 1,2-Dichloroethane-d4	5.31	65	66456	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.68%
32) Benzene-d6	5.34	84	200244	42.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.08%
36) 1,2-Dichloropropane-d6	6.33	67	67137	42.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.02%
41) Toluene-d8	7.57	98	182995	41.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.88%
43) trans-1,3-Dichloropropene-	7.85	79	29053	39.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.14%
47) 2-Hexanone-d5	8.31	63	57828	89.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.74%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	89007	41.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.32%
64) 1,2-Dichlorobenzene-d4	11.87	152	87998	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	781	0.680 ug/L #	18
13) Acetone	2.32	43	1522	1.541 ug/L	84
25) Chloroform	4.67	83	2212	0.972 ug/L	95
33) Benzene	5.40	78	6127	1.203 ug/L	100
37) 1,2-Dichloropropane	6.33	63	6885	4.839 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1650	0.784 ug/L #	50
44) trans-1,3-Dichloropropene	7.85	75	1313	0.670 ug/L	99
51) Chlorobenzene	9.12	112	4331258	1249.725 ug/L	100
59) 1,2,3-Trichloropropane	11.42	75	76961	45.720 ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	260745	95.028 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	1091456	375.491 ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	11406476	3933.364 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	5280	11.270 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.89	180	4674	2.148 ug/L	90
68) 1,2,4-trichlorobenzene	13.50	180	1390283	734.931 ug/L	99
69) Naphthalene	13.75	128	2758	0.476 ug/L #	90
70) 1,2,3-Trichlorobenzene	13.99	180	213824	104.348 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

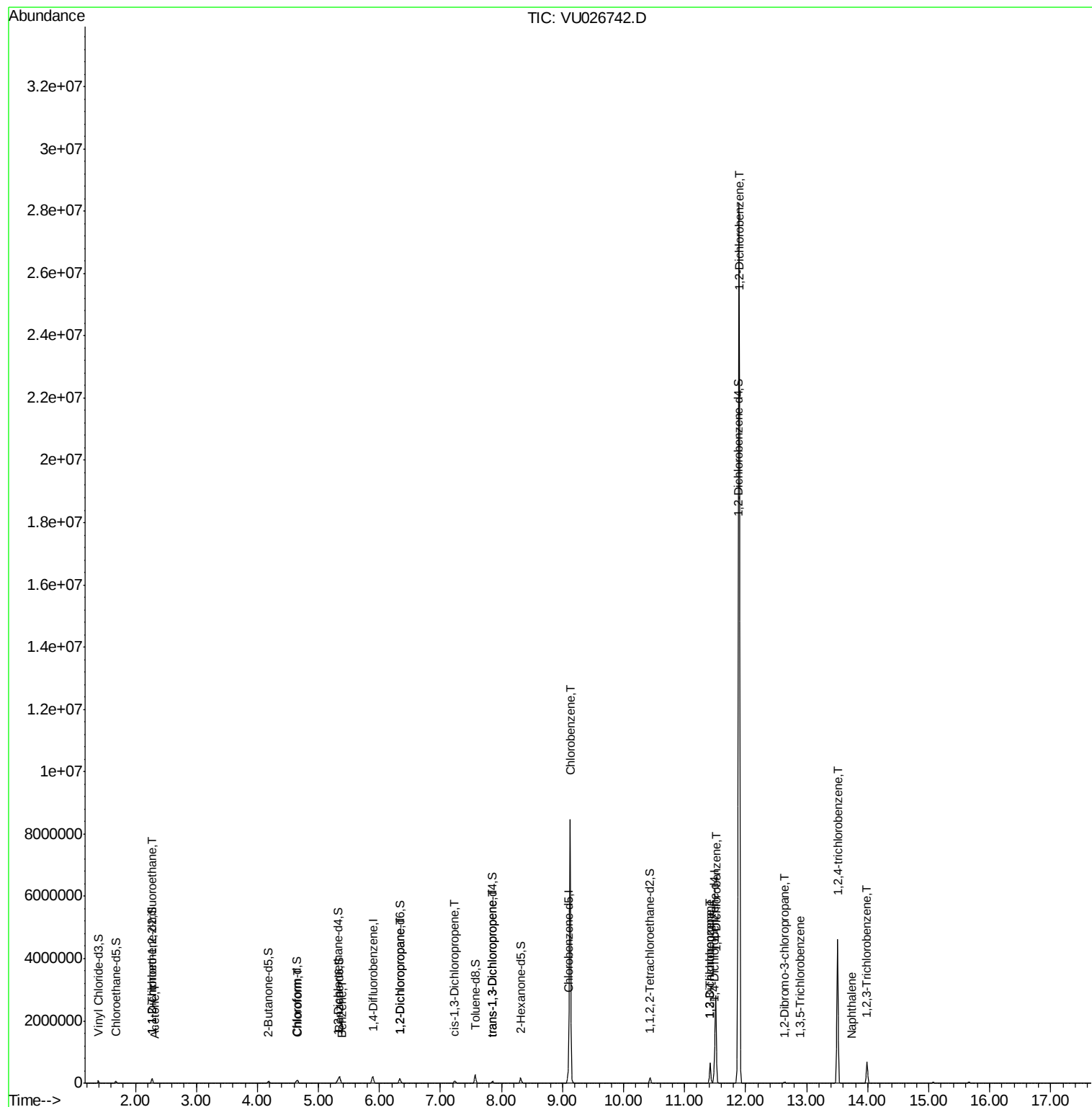
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

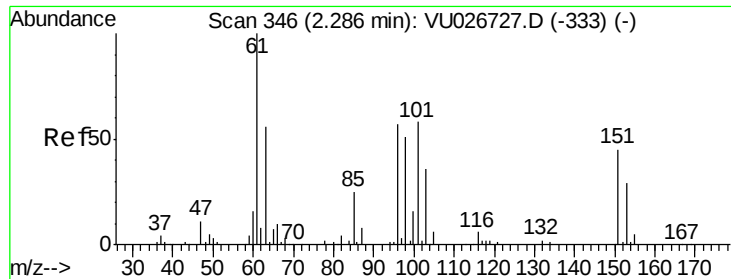
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.680 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026742.D

Acq: 13 Sep 2018 21:46

Instrument :

MSVOA_U

ClientSampled :

C08N9

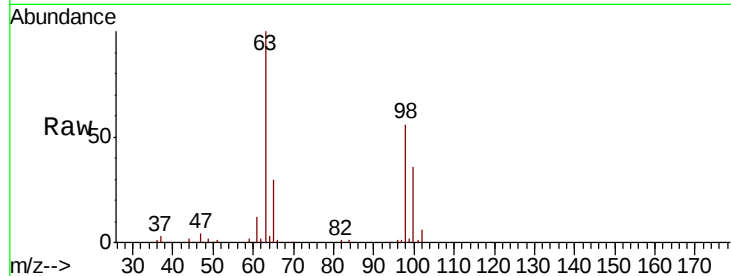
Tgt Ion:101 Resp: 781

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

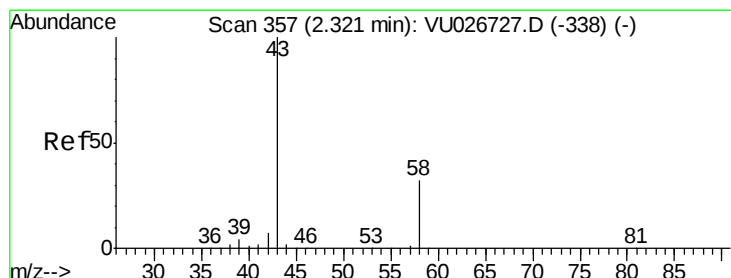
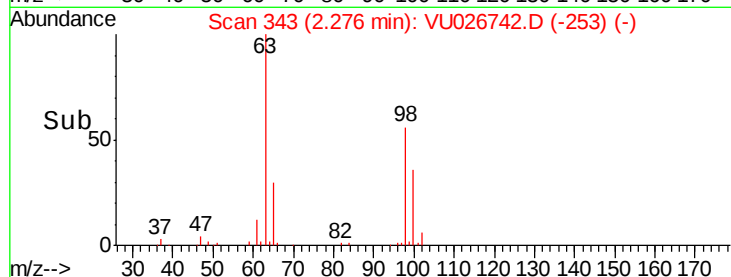
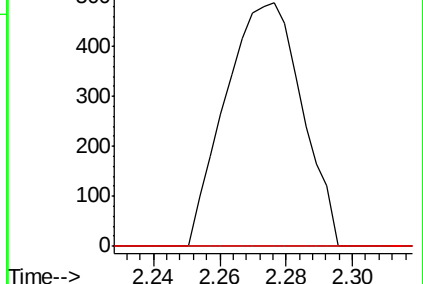
151 0.0 62.6 94.0#



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: 1.541 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026742.D

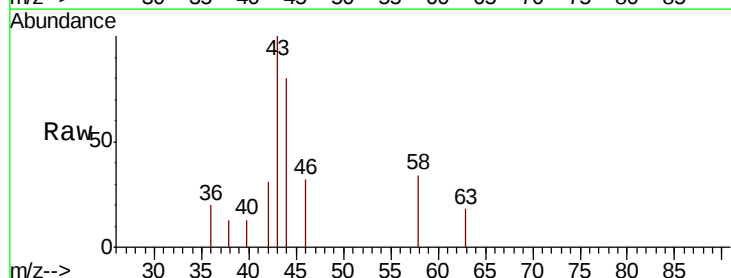
Acq: 13 Sep 2018 21:46

Tgt Ion: 43 Resp: 1522

Ion Ratio Lower Upper

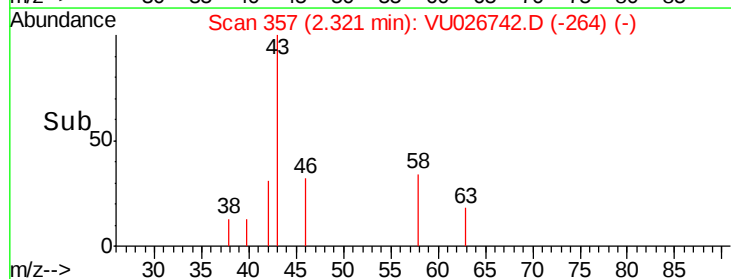
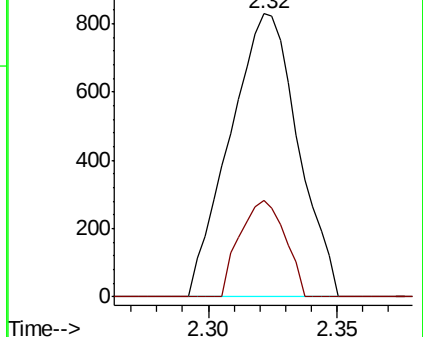
43 100

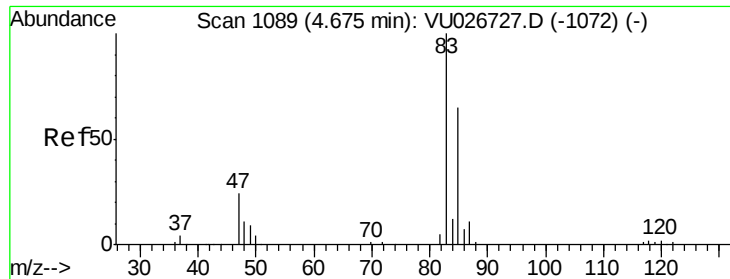
58 22.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

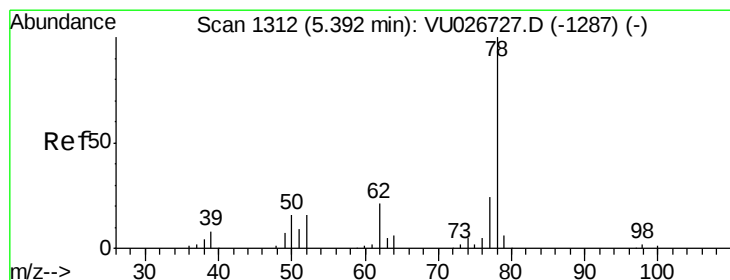
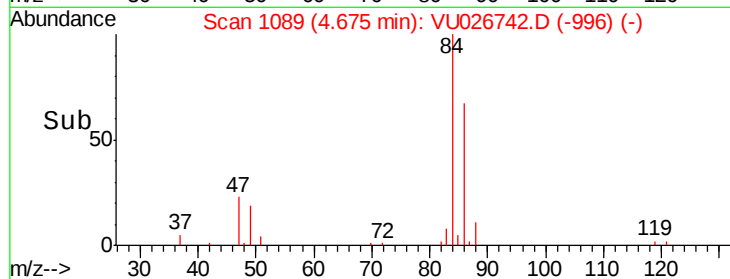
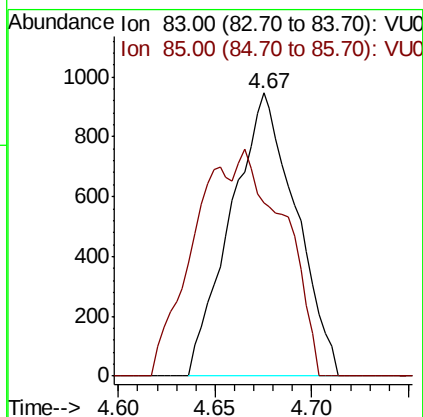
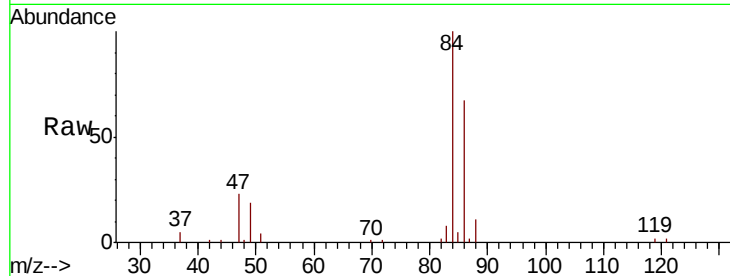




#25
Chloroform
Concen: 0.972 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026742.D
Acq: 13 Sep 2018 21:46

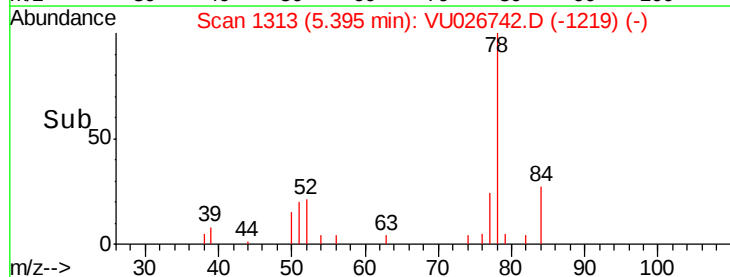
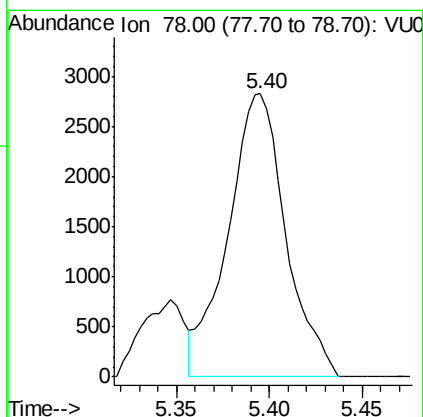
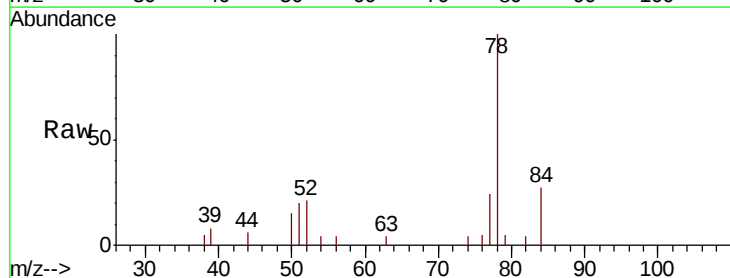
Instrument :
MSVOA_U
ClientSampleId :
C08N9

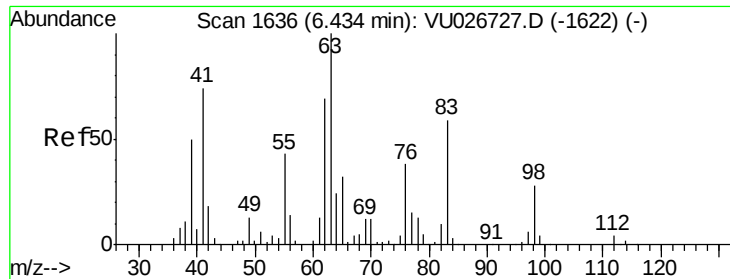
Tgt Ion: 83 Resp: 2212
Ion Ratio Lower Upper
83 100
85 61.3 45.6 84.6



#33
Benzene
Concen: 1.203 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU026742.D
Acq: 13 Sep 2018 21:46

Tgt Ion: 78 Resp: 6127

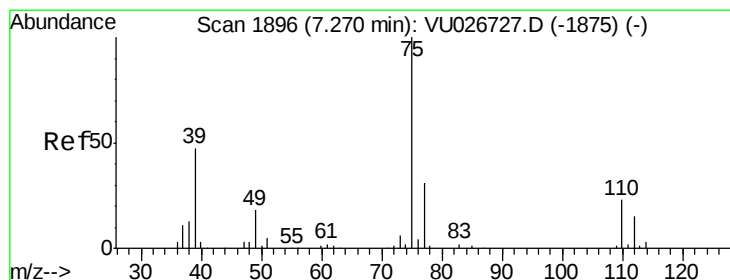
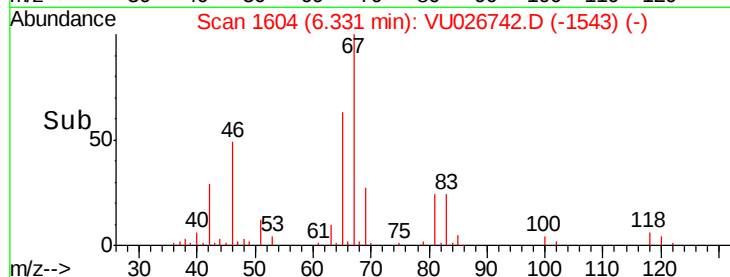
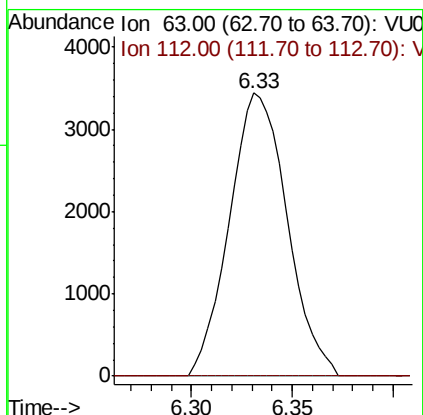
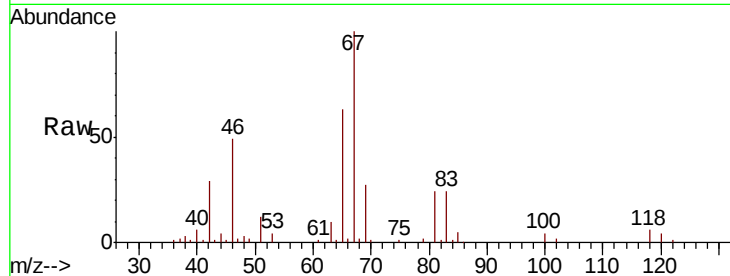




#37
 1,2-Dichloropropane
 Concen: 4.839 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

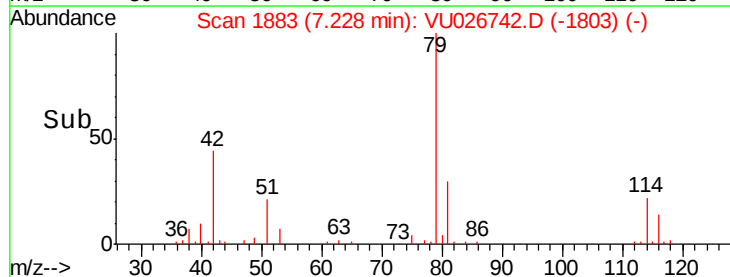
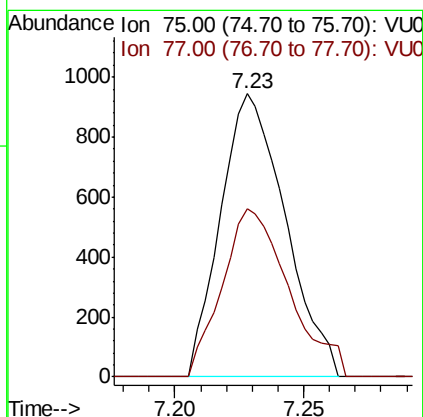
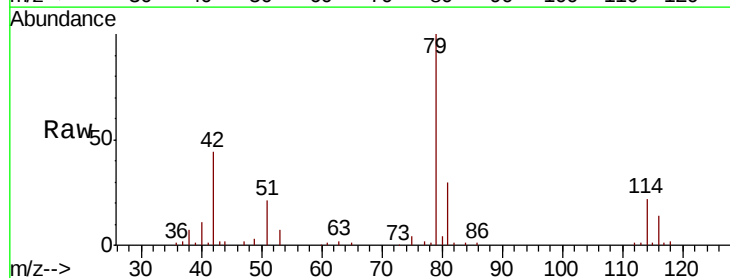
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N9

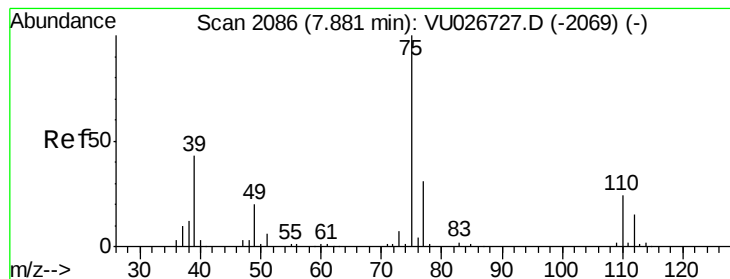
Tgt Ion: 63 Resp: 6885
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.784 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

Tgt Ion: 75 Resp: 1650
 Ion Ratio Lower Upper
 75 100
 77 59.6 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.670 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026742.D

Acq: 13 Sep 2018 21:46

Instrument :

MSVOA_U

ClientSampleId :

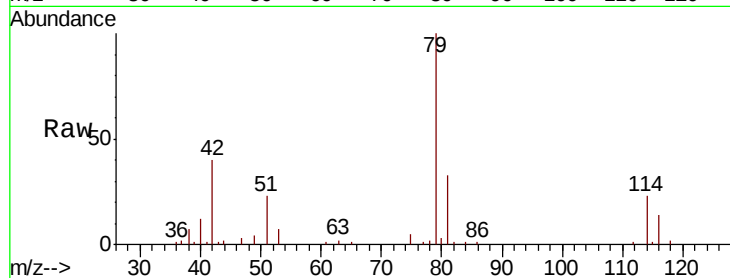
C08N9

Tgt Ion: 75 Resp: 1313

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU026727.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU026727.D (-2069) (-)

7.85

800

600

400

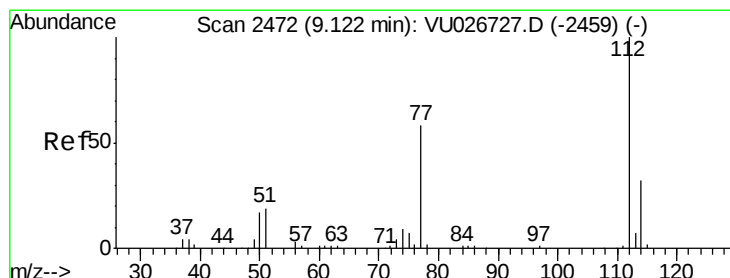
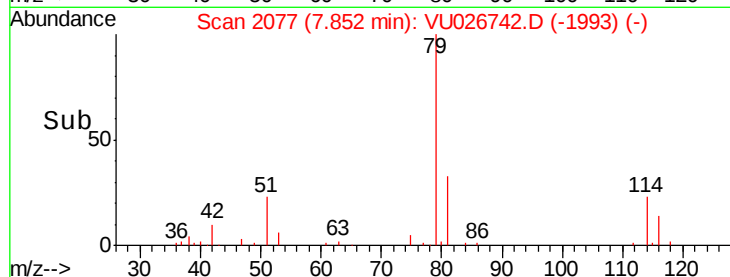
200

0

7.85

7.90

Time-->



#51

Chlorobenzene

Concen: 1249.725 ug/L

RT: 9.12 min Scan# 2473

Delta R.T. 0.00 min

Lab File: VU026742.D

Acq: 13 Sep 2018 21:46

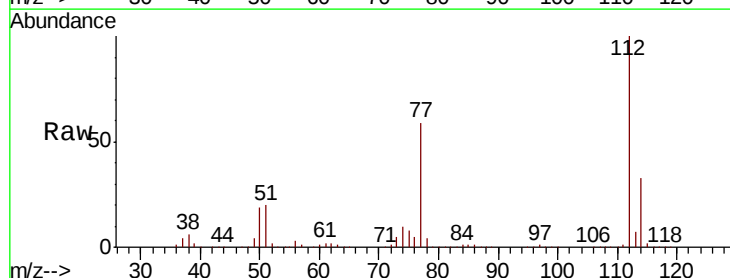
Tgt Ion: 112 Resp: 4331258

Ion Ratio Lower Upper

112 100

114 32.7 22.9 42.5

77 59.3 47.2 70.8



Abundance Ion 112.00 (111.70 to 112.70): VU026727.D (-2459) (-)

Ion 114.00 (113.70 to 114.70): VU026727.D (-2459) (-)

Ion 77.00 (76.70 to 77.70): VU026727.D (-2459) (-)

9.12

3000000

2000000

1000000

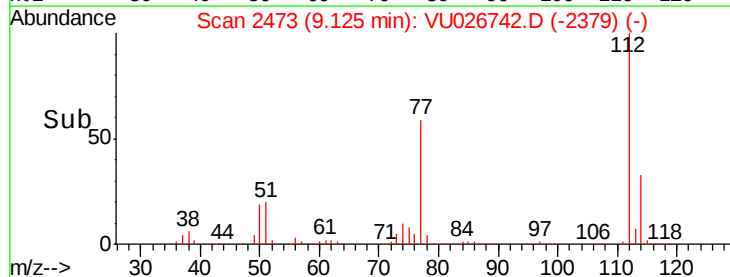
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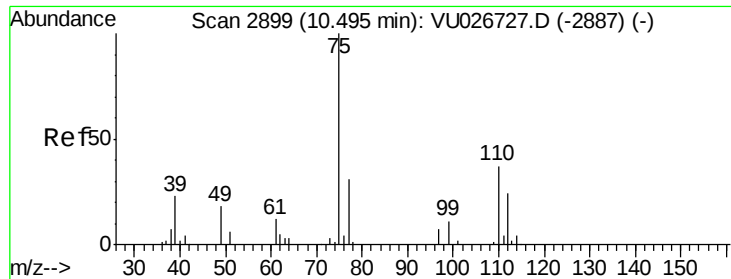
9.10

9.20

9.30

Time-->





#59

1,2,3-Trichloropropane

Concen: 45.720 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026742.D

Acq: 13 Sep 2018 21:46

Instrument :

MSVOA_U

ClientSampled :

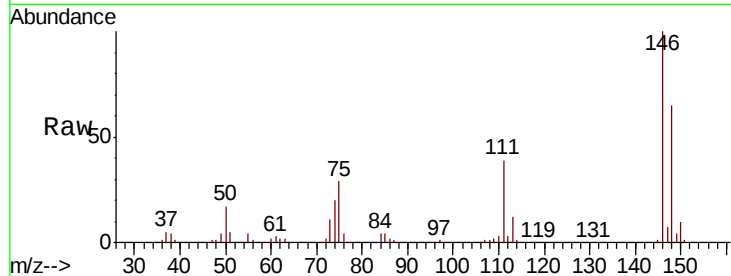
C08N9

Tgt Ion: 75 Resp: 76961

Ion Ratio Lower Upper

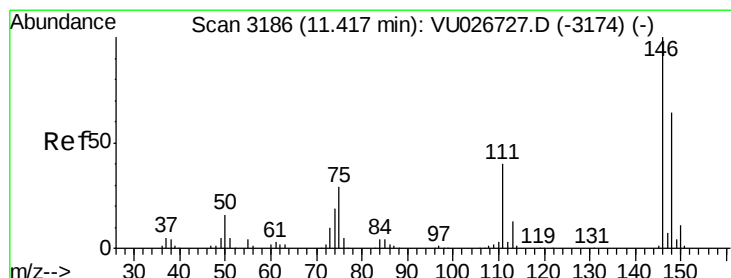
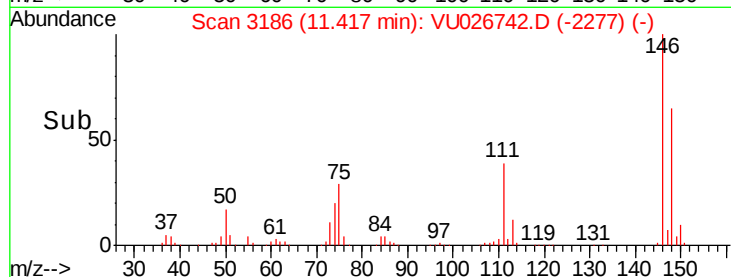
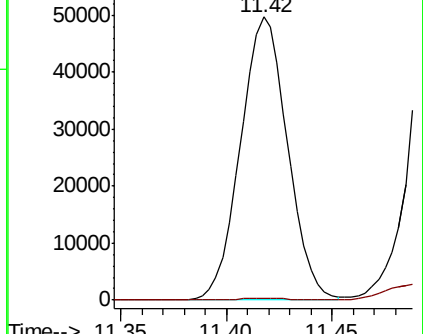
75 100

77 0.7 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU026742.D (-2277) (-)

Ion 77.00 (76.70 to 77.70): VU026742.D (-2277) (-)



#62

1,3-Dichlorobenzene

Concen: 95.028 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026742.D

Acq: 13 Sep 2018 21:46

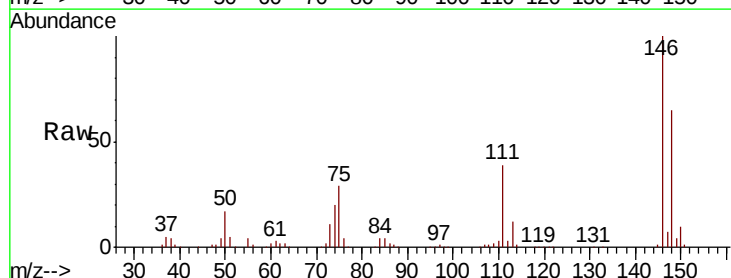
Tgt Ion: 146 Resp: 260745

Ion Ratio Lower Upper

146 100

111 38.8 26.7 49.5

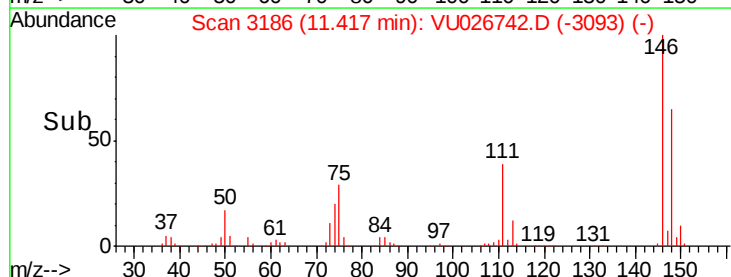
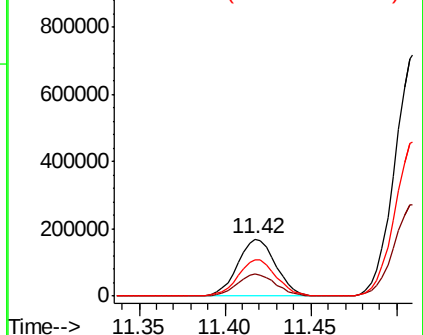
148 64.6 44.2 82.2

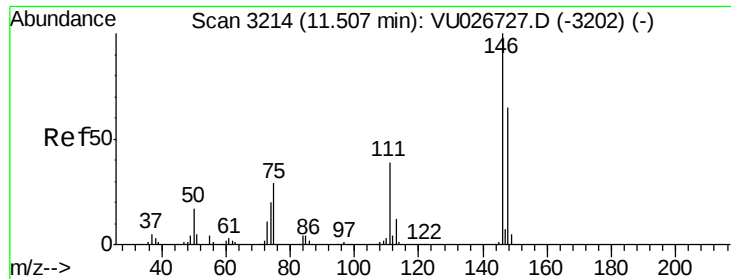


Abundance Ion 146.00 (145.70 to 146.70): VU026742.D (-3093) (-)

Ion 111.00 (110.70 to 111.70): VU026742.D (-3093) (-)

Ion 148.00 (147.70 to 148.70): VU026742.D (-3093) (-)

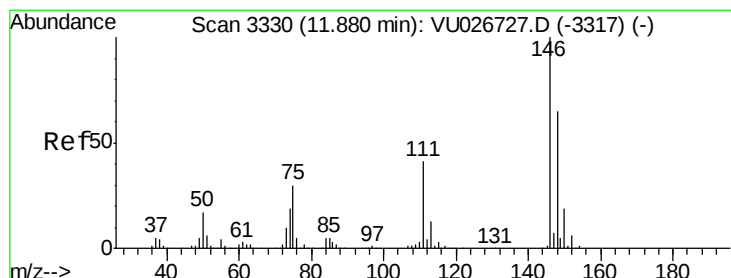
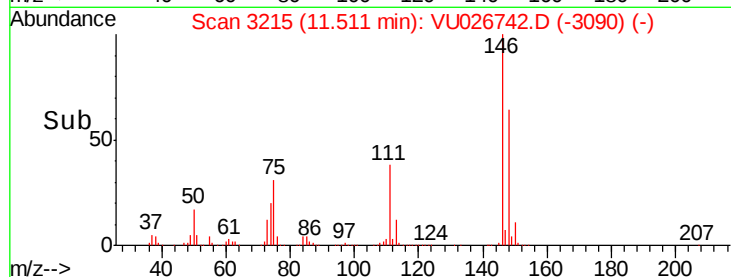
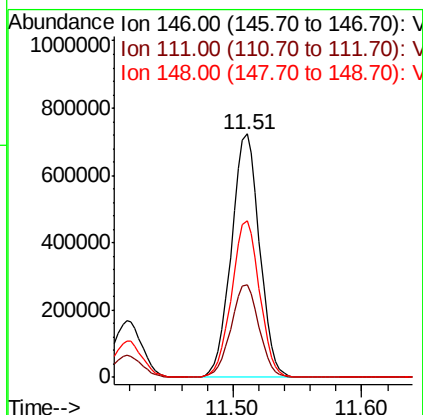
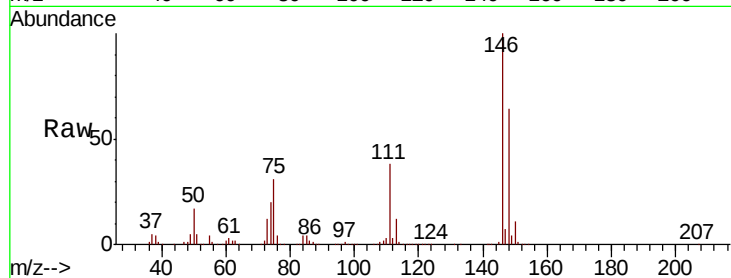




#63
 1,4-Dichlorobenzene
 Concen: 375.491 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

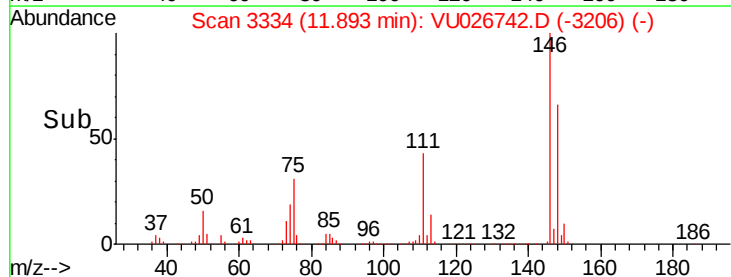
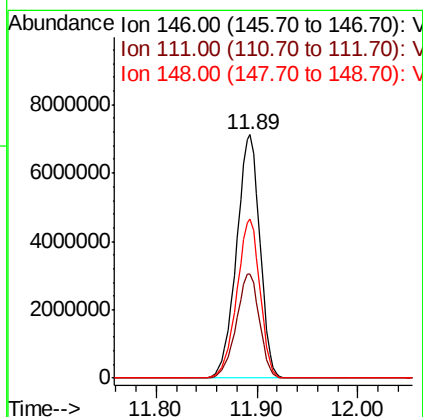
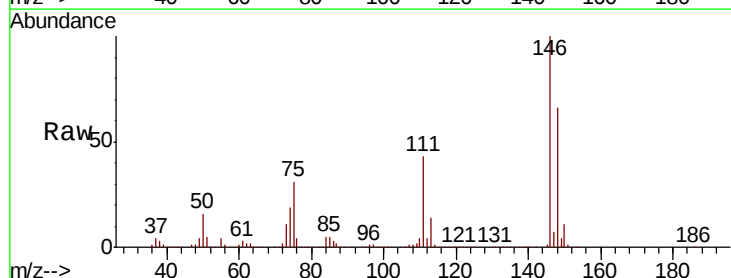
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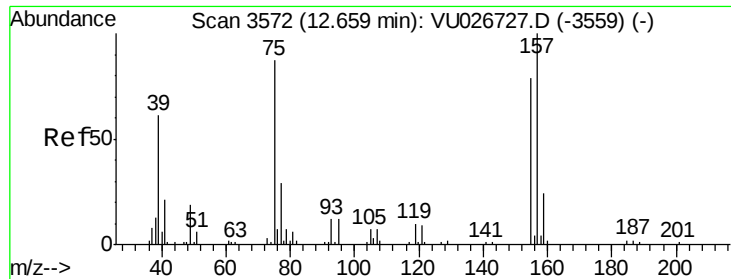
Tgt Ion:146 Resp: 1091456
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.5 49.3
 148 64.3 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 3933.364 ug/L
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.01 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

Tgt Ion:146 Resp:11406476
 Ion Ratio Lower Upper
 146 100
 111 43.0 32.8 49.2
 148 65.5 52.2 78.4

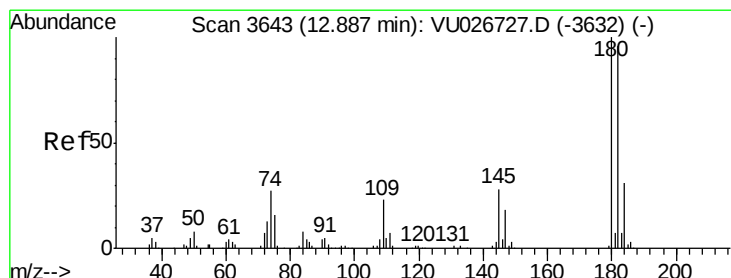
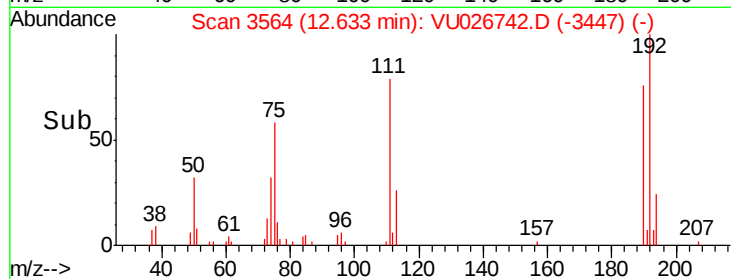
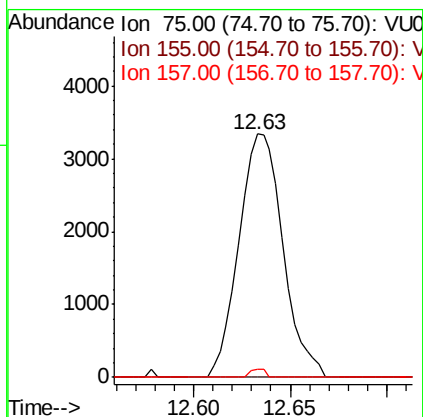
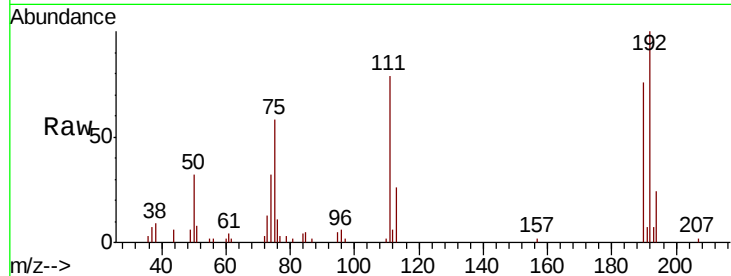




#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.270 ug/L
 RT: 12.63 min Scan# 3564
 Delta R.T. -0.02 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

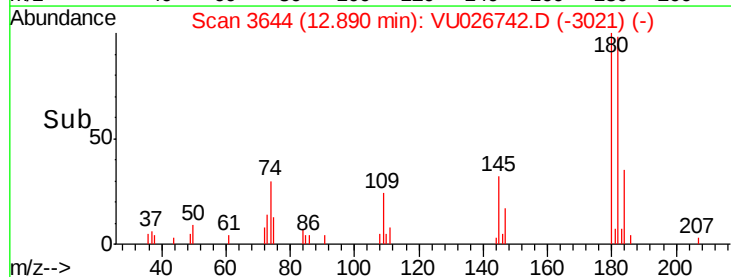
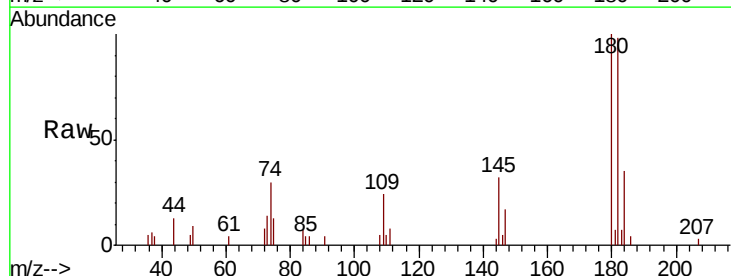
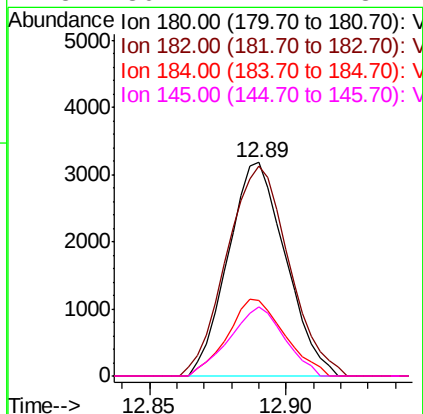
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N9

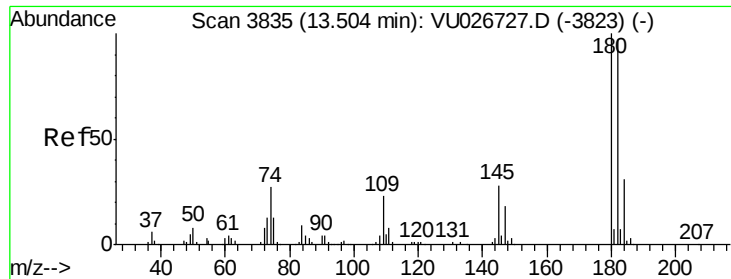
Tgt Ion: 75 Resp: 5280
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.3 103.9#
 157 3.4 93.4 140.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.148 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

Tgt Ion: 180 Resp: 4674
 Ion Ratio Lower Upper
 180 100
 182 105.9 76.8 115.2
 184 35.5 24.2 36.2
 145 30.7 21.4 32.2

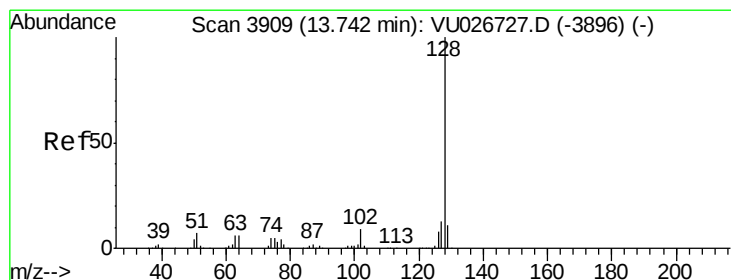
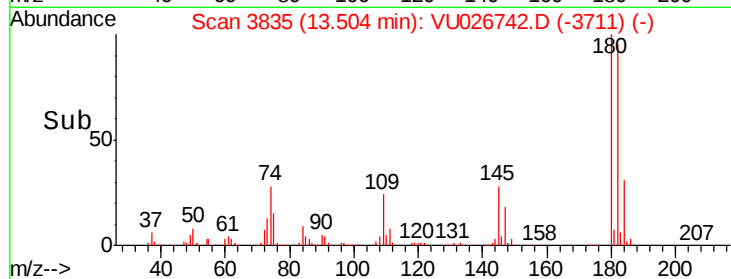
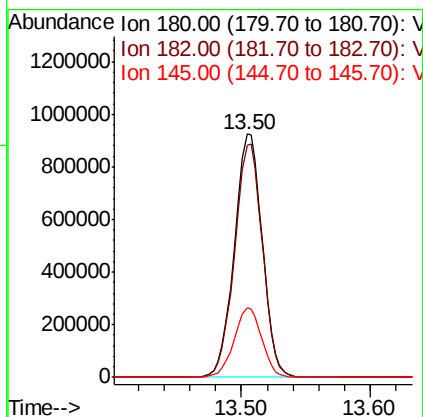
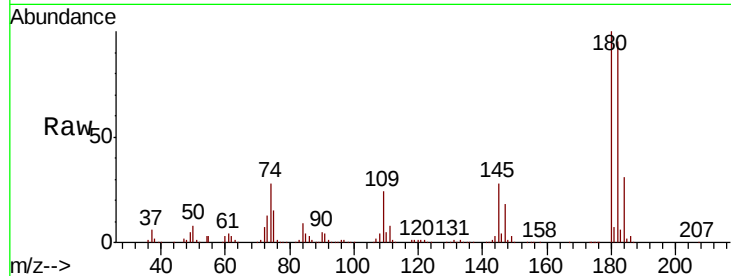




#68
 1,2,4-trichlorobenzene
 Concen: 734.931 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

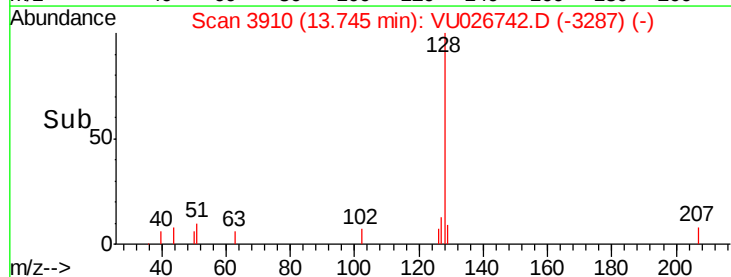
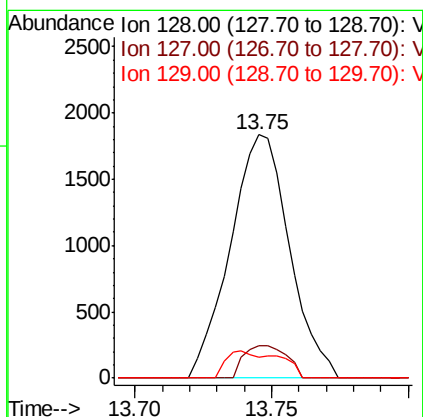
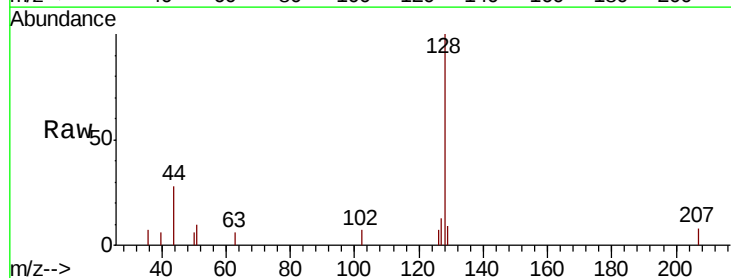
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N9

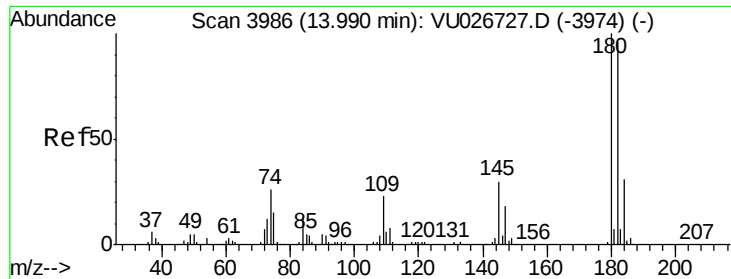
Tgt Ion:180 Resp: 1390283
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.0 114.0
 145 28.3 23.4 35.0



#69
 Naphthalene
 Concen: 0.476 ug/L
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

Tgt Ion:128 Resp: 2758
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.3 15.5#
 129 6.1 8.6 13.0#

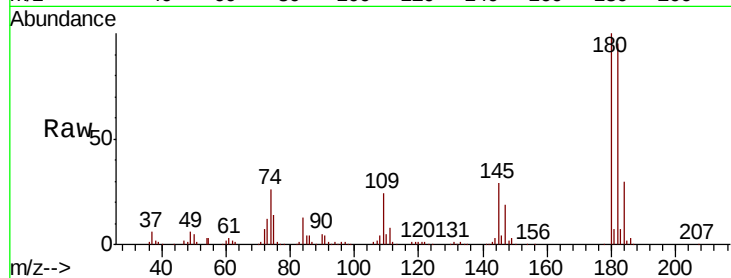




#70
 1,2,3-Trichlorobenzene
 Concen: 104.348 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. -0.00 min
 Lab File: VU026742.D
 Acq: 13 Sep 2018 21:46

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N9

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.7	115.1
145	29.2	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

