

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026747.D
 Acq On : 13 Sep 2018 23:42
 Operator : MD/SY
 Sample : J4893-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08S7

Quant Time: Sep 14 03:02:04 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	176507	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164753	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	70486	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58123	44.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.38%
7) Chloroethane-d5	1.68	69	47952	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.27	63	82616	35.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.20%
21) 2-Butanone-d5	4.18	46	81077	99.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.05%
24) Chloroform-d	4.65	84	92040	42.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.16%
26) 1,2-Dichloroethane-d4	5.31	65	64832	45.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.58%
32) Benzene-d6	5.34	84	198204	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
36) 1,2-Dichloropropane-d6	6.33	67	67935	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.96%
41) Toluene-d8	7.57	98	176565	44.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.26%
43) trans-1,3-Dichloropropene-	7.85	79	27815	41.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.62%
47) 2-Hexanone-d5	8.31	63	57208	97.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87376	44.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	65696	46.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	687	0.634	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	693	0.666	ug/L #	1
13) Acetone	2.32	43	1910	2.049	ug/L	87
15) Methyl Acetate	2.44	43	2463	1.852	ug/L #	52
25) Chloroform	4.68	83	4870	2.265	ug/L	90
35) Methylcyclohexane	6.33	83	15124	8.239	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6872	5.332	ug/L #	89
44) trans-1,3-Dichloropropene	7.85	75	1090	0.614	ug/L	92
48) 2-Hexanone	8.31	43	6760	4.870	ug/L #	70
51) Chlorobenzene	9.12	112	7304	2.326	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	10388	6.812	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	8068	3.763	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	9275	4.336	ug/L	97
67) 1,3,5-Trichlorobenzene	13.51	180	3574	2.226	ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	3574	2.561	ug/L #	94

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

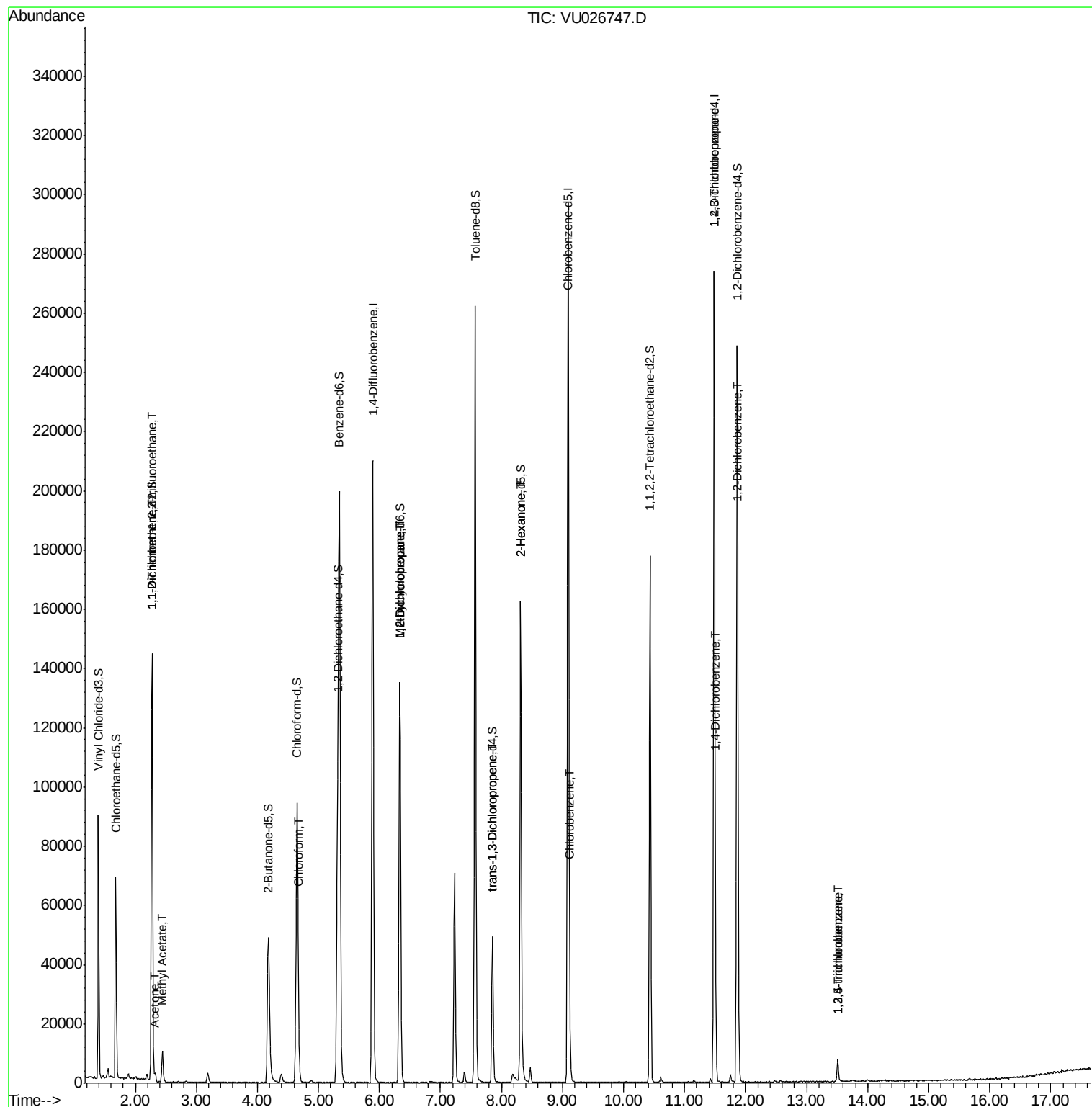
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

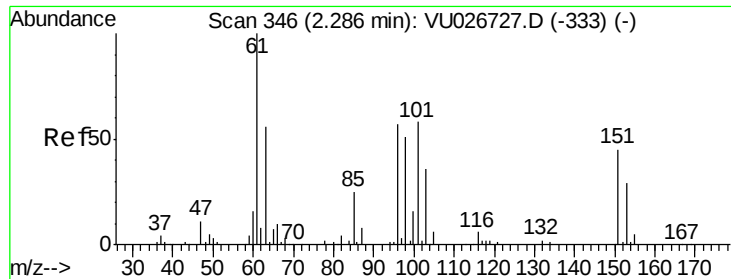
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#10

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

Concen: 0.634 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026747.D

Acq: 13 Sep 2018 23:42

Instrument :

MSVOA_U

ClientSampleId :

C08S7

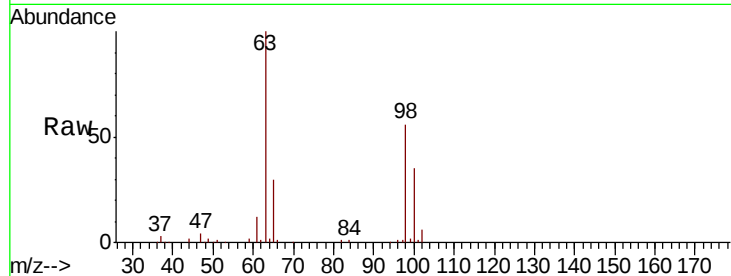
Tgt Ion:101 Resp: 687

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

2.27

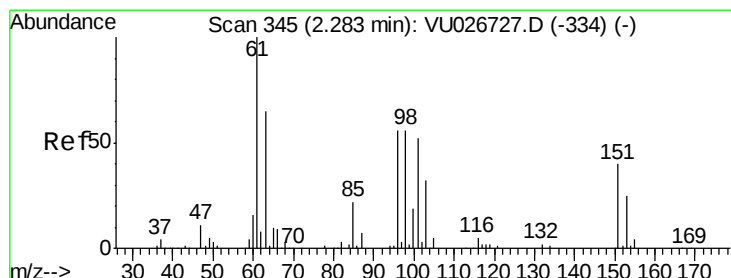
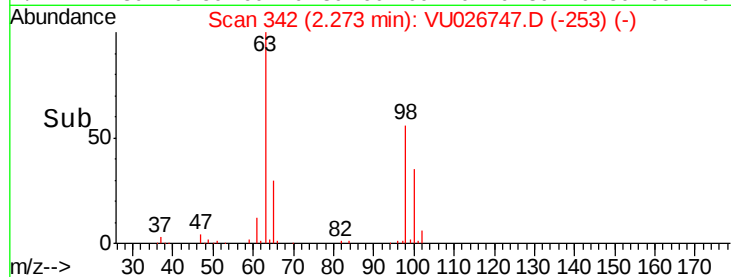
400

200

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.666 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026747.D

Acq: 13 Sep 2018 23:42

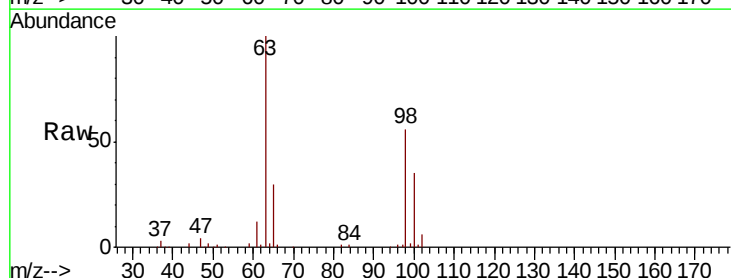
Tgt Ion: 96 Resp: 693

Ion Ratio Lower Upper

96 100

61 1378.2 121.0 224.8#

63 11905.2 89.9 166.9#



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

60000

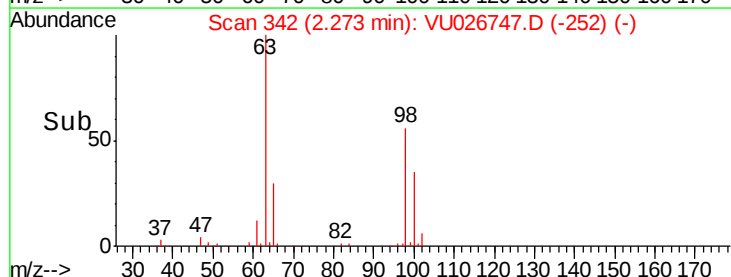
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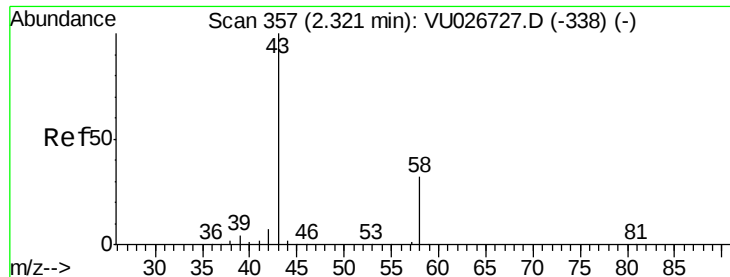
20000

0

2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 2.049 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026747.D

Acq: 13 Sep 2018 23:42

Instrument :

MSVOA_U

ClientSampleId :

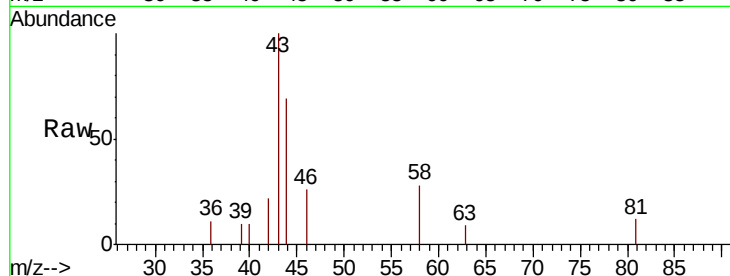
C08S7

Tgt Ion: 43 Resp: 1910

Ion Ratio Lower Upper

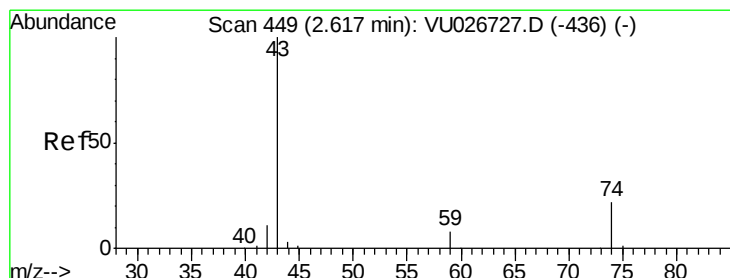
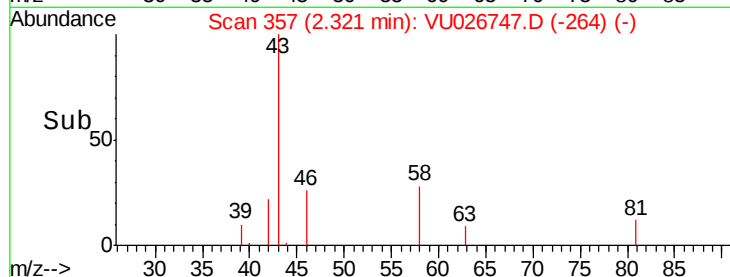
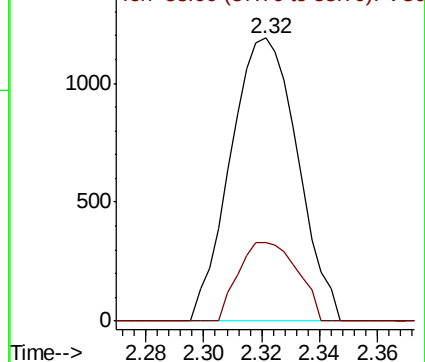
43 100

58 24.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 1.852 ug/L

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU026747.D

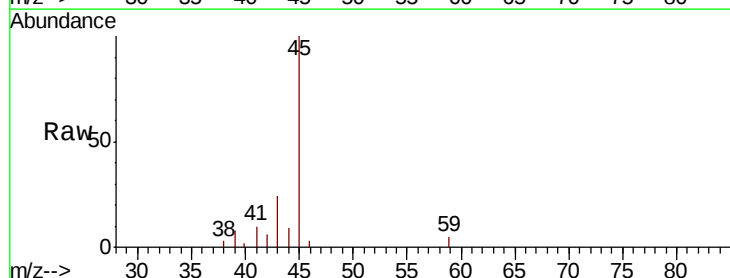
Acq: 13 Sep 2018 23:42

Tgt Ion: 43 Resp: 2463

Ion Ratio Lower Upper

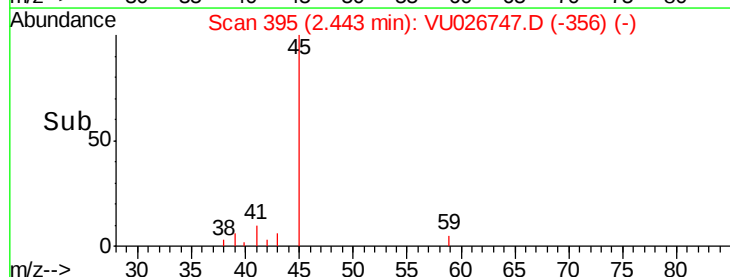
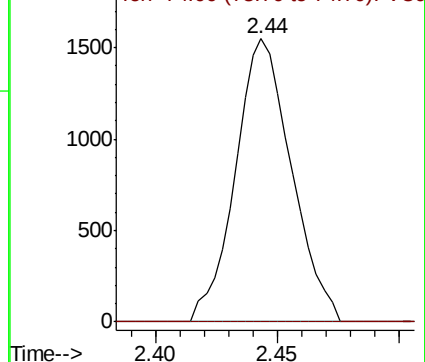
43 100

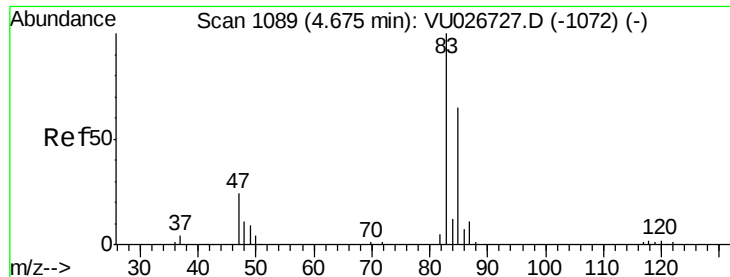
74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#25

Chloroform

Concen: 2.265 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU026747.D

Acq: 13 Sep 2018 23:42

Instrument :

MSVOA_U

ClientSampleId :

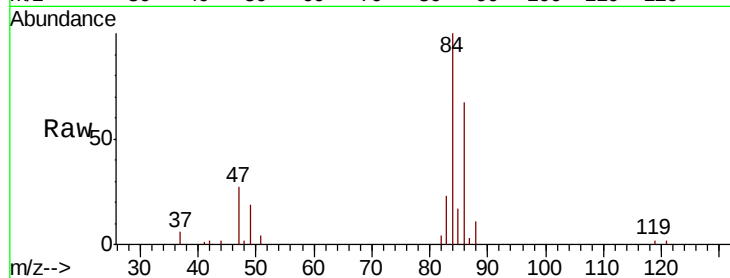
C08S7

Tgt Ion: 83 Resp: 4870

Ion Ratio Lower Upper

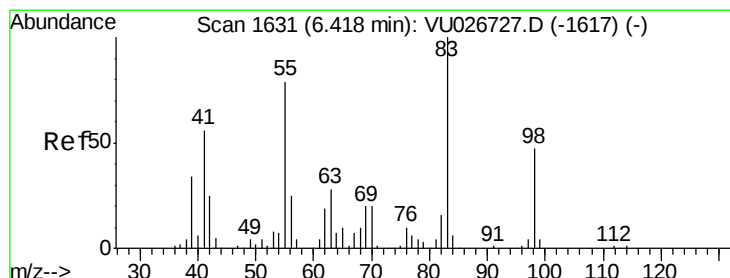
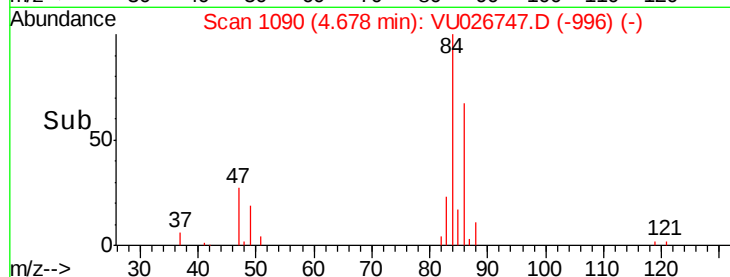
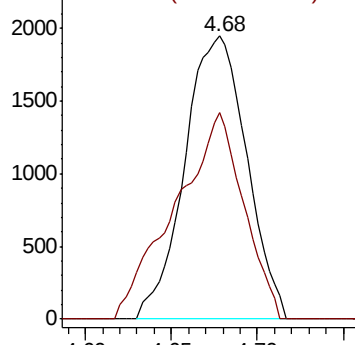
83 100

85 72.8 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 8.239 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU026747.D

Acq: 13 Sep 2018 23:42

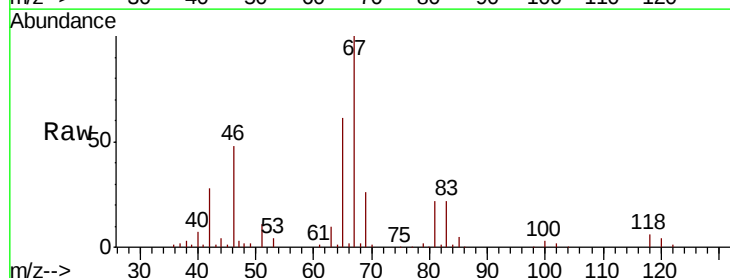
Tgt Ion: 83 Resp: 15124

Ion Ratio Lower Upper

83 100

55 0.0 62.9 94.3#

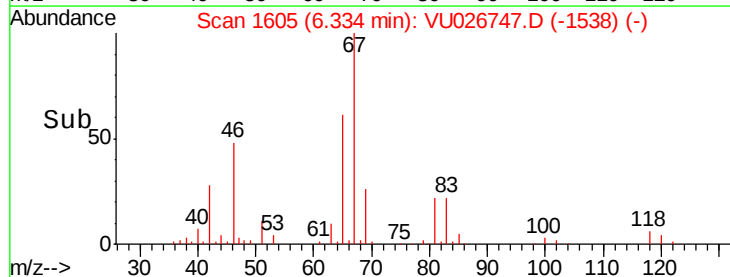
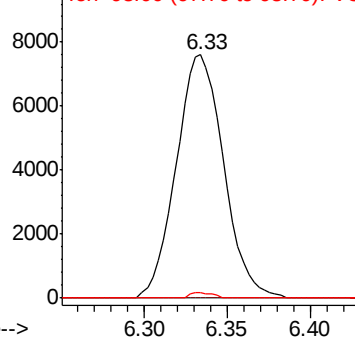
98 1.0 37.0 55.4#

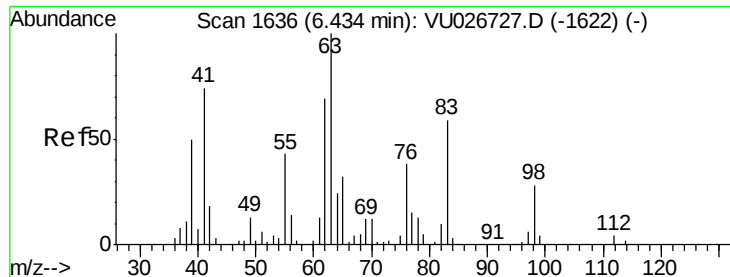


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

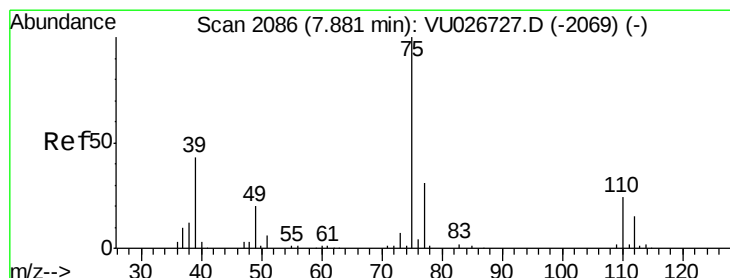
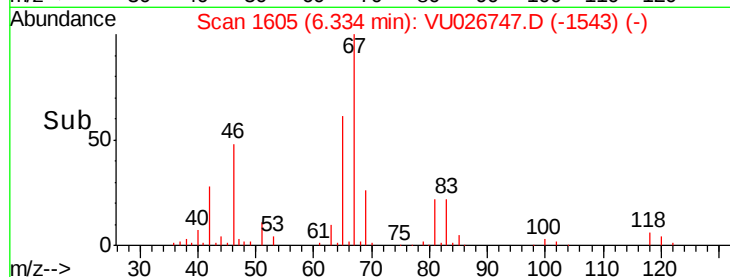
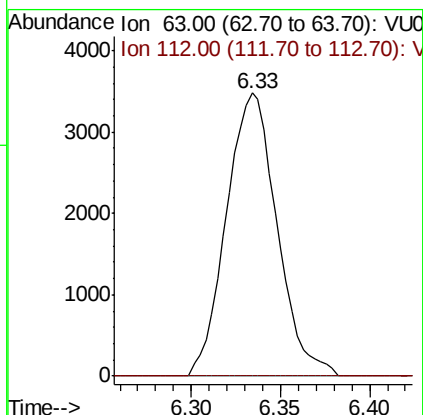
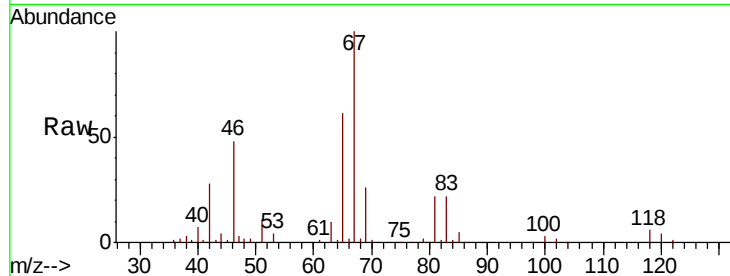




#37
 1,2-Dichloropropane
 Concen: 5.332 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026747.D
 Acq: 13 Sep 2018 23:42

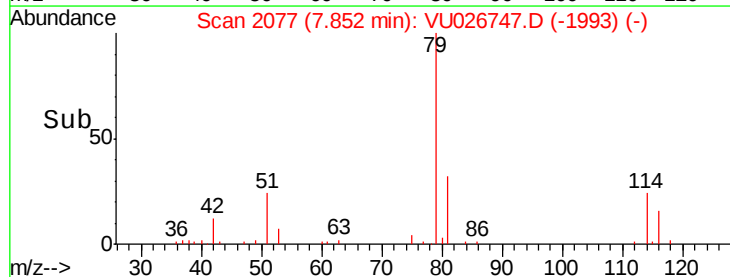
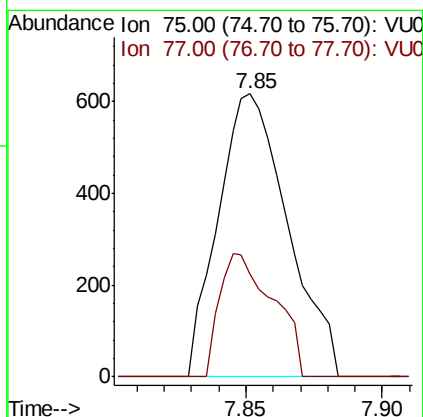
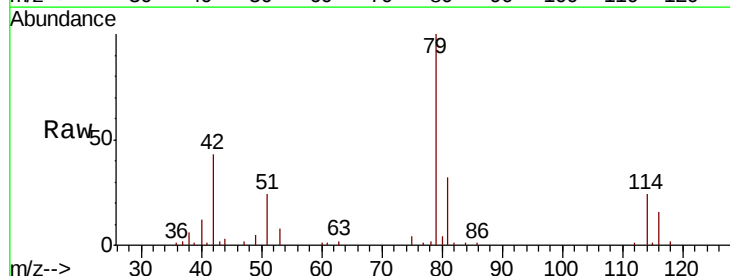
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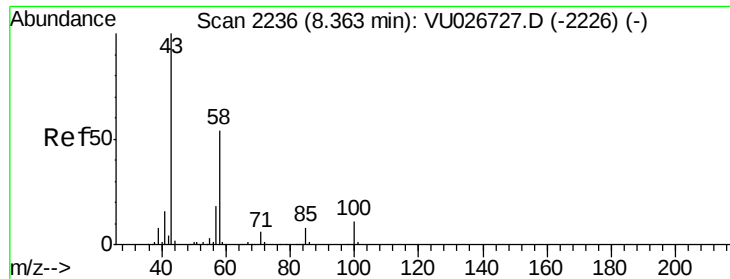
Tgt Ion: 63 Resp: 6872
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.614 ug/L
 RT: 7.85 min Scan# 2077
 Delta R.T. -0.03 min
 Lab File: VU026747.D
 Acq: 13 Sep 2018 23:42

Tgt Ion: 75 Resp: 1090
 Ion Ratio Lower Upper
 75 100
 77 36.5 22.4 41.6

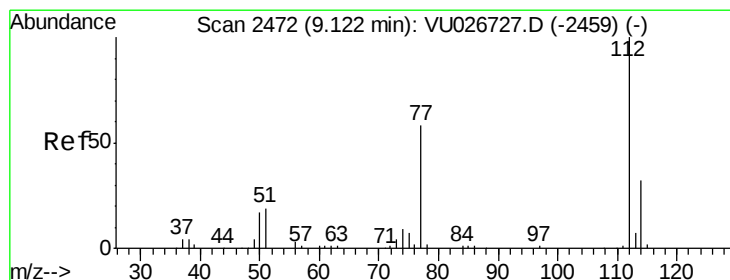
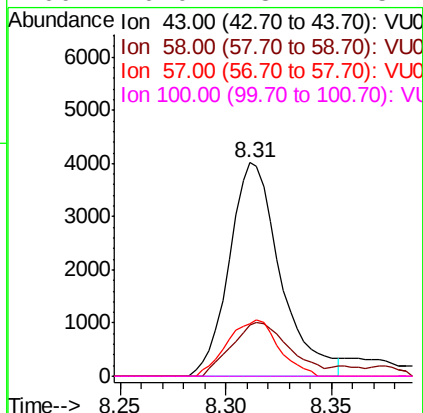
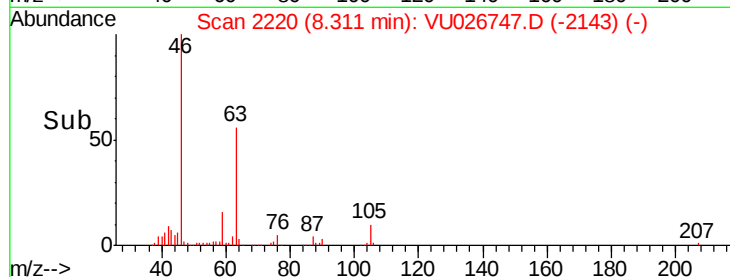
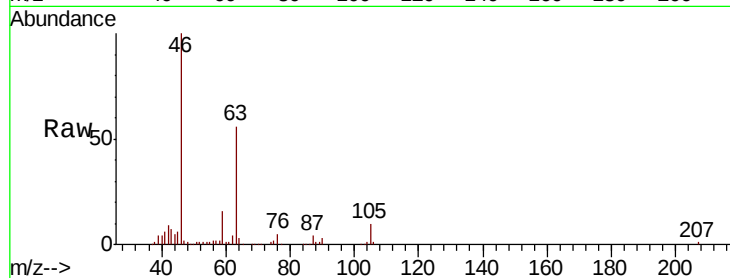




#48
2-Hexanone
Concen: 4.870 ug/L
RT: 8.31 min Scan# 2220
Delta R.T. -0.05 min
Lab File: VU026747.D
Acq: 13 Sep 2018 23:42

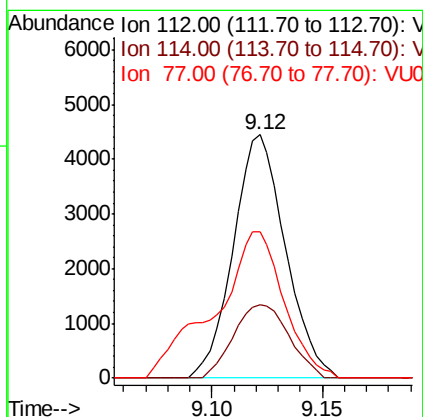
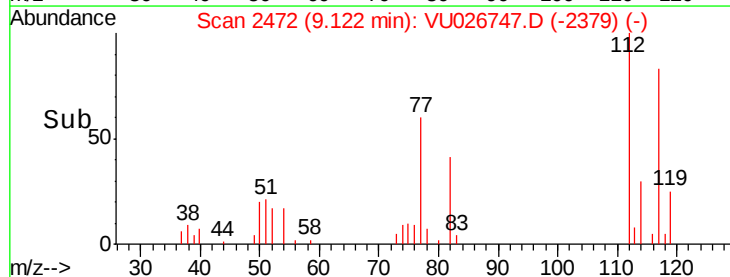
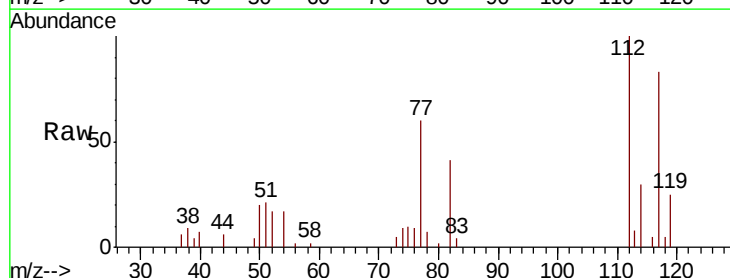
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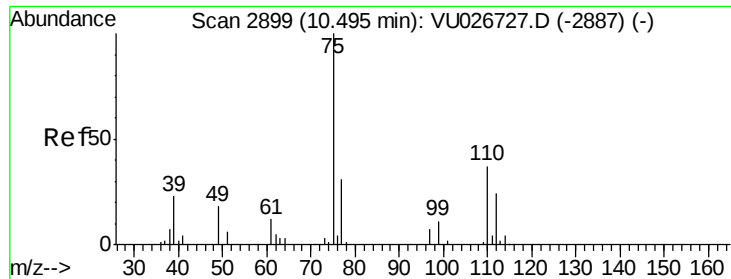
Tgt Ion: 43 Resp: 6760
Ion Ratio Lower Upper
43 100
58 28.3 42.2 63.4#
57 26.4 14.4 21.6#
100 0.0 8.7 13.1#



#51
Chlorobenzene
Concen: 2.326 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026747.D
Acq: 13 Sep 2018 23:42

Tgt Ion: 112 Resp: 7304
Ion Ratio Lower Upper
112 100
114 30.1 22.9 42.5
77 60.1 47.2 70.8

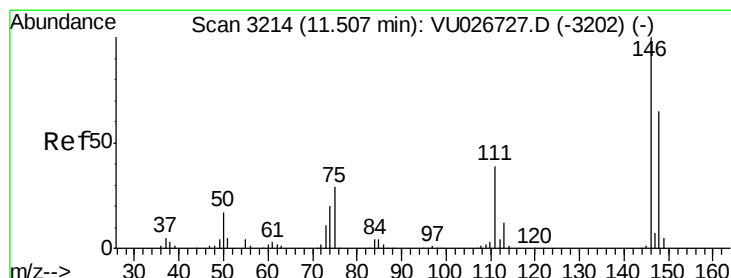
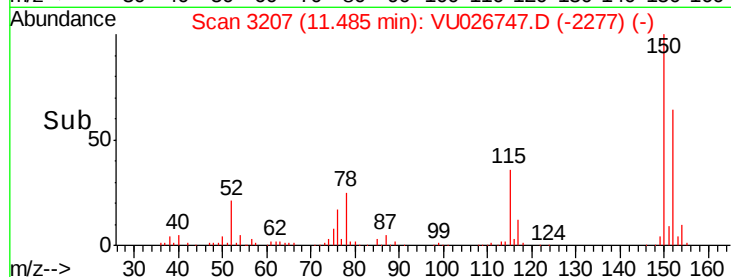
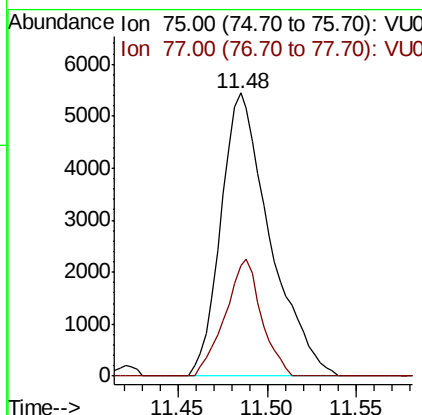
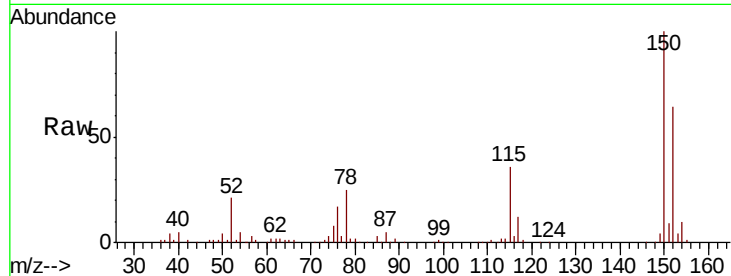




#59
 1,2,3-Trichloropropane
 Concen: 6.812 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026747.D
 Acq: 13 Sep 2018 23:42

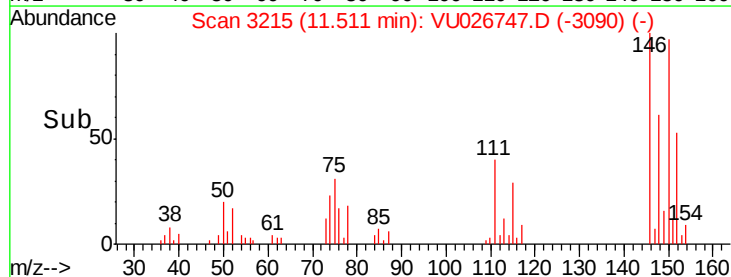
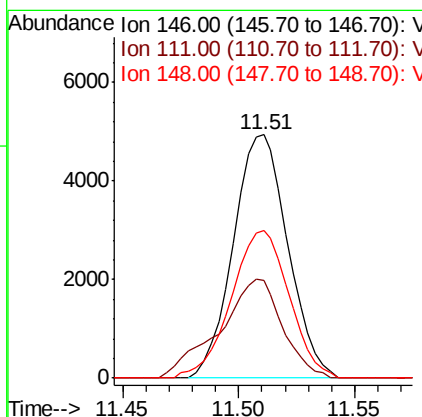
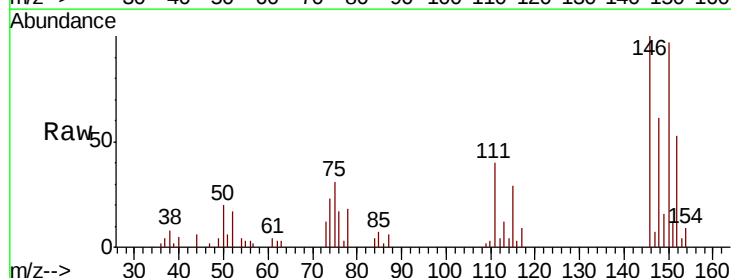
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 C08S7

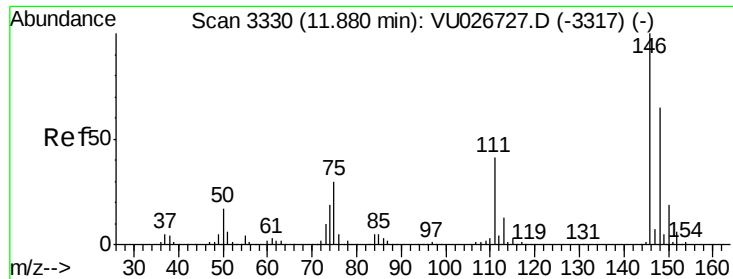
Tgt Ion: 75 Resp: 10388
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.6



#63
 1,4-Dichlorobenzene
 Concen: 3.763 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026747.D
 Acq: 13 Sep 2018 23:42

Tgt Ion: 146 Resp: 8068
 Ion Ratio Lower Upper
 146 100
 111 40.0 26.5 49.3
 148 60.8 45.2 84.0

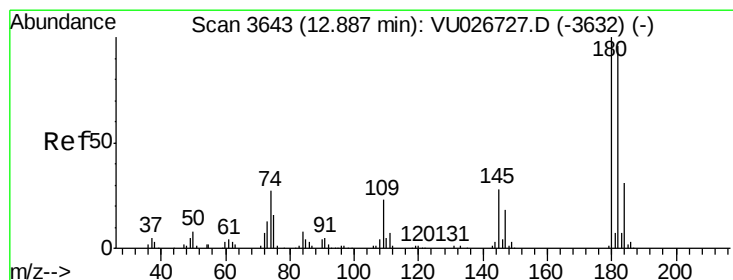
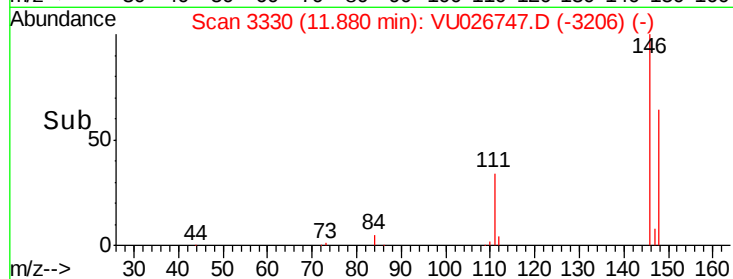
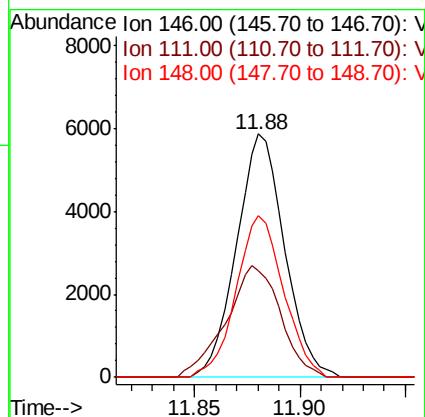
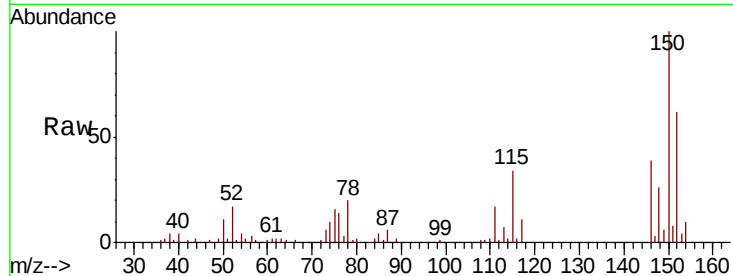




#65
 1,2-Dichlorobenzene
 Concen: 4.336 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026747.D
 Acq: 13 Sep 2018 23:42

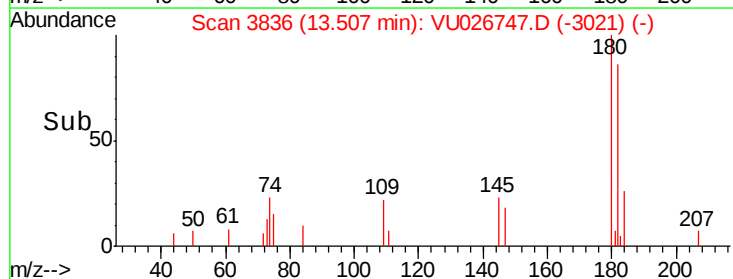
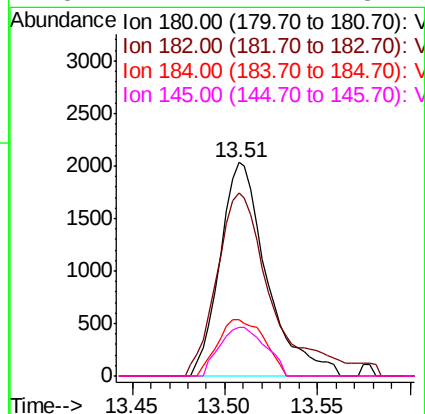
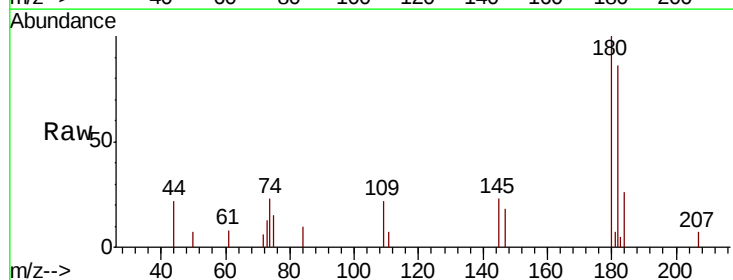
Instrument :
 MSVOA_U
 ClientSampleId :
 C08S7

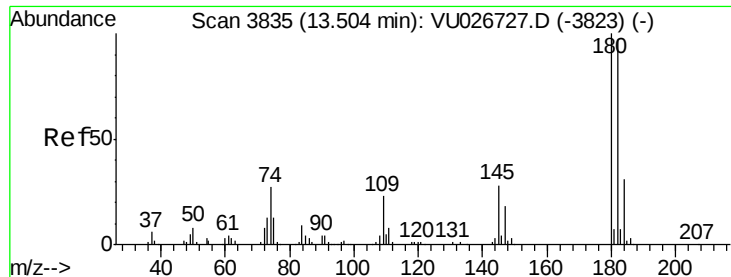
Tgt Ion:146 Resp: 9275
 Ion Ratio Lower Upper
 146 100
 111 44.0 32.8 49.2
 148 66.3 52.2 78.4



#67
 1,3,5-Trichlorobenzene
 Concen: 2.226 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026747.D
 Acq: 13 Sep 2018 23:42

Tgt Ion:180 Resp: 3574
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.8 115.2
 184 26.0 24.2 36.2
 145 22.1 21.4 32.2

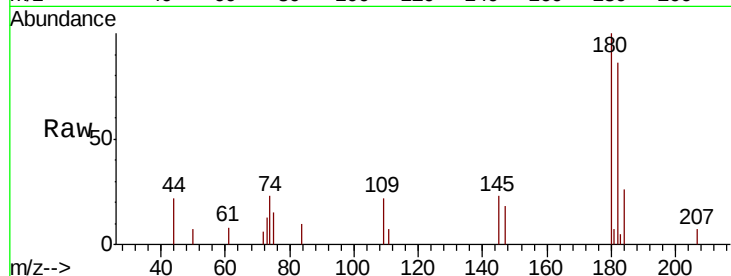




#68
 1,2,4-trichlorobenzene
 Concen: 2.561 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026747.D
 Acq: 13 Sep 2018 23:42

Instrument :
 MSVOA_U
 ClientSampleId :
 C08S7

Tgt Ion:180 Resp: 3574
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.0 114.0
 145 22.1 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

