

Data File : VU028175.D
Acq On : 15 Nov 2018 16:39
Operator : MD/SY
Sample : J5943-18DL 40X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FP4DL

Quant Time: Nov 16 00:50:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	173663	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	162778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76359	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52529	3.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.80%
7) Chloroethane-d5	1.68	69	46225	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.28	63	78237	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.19	46	215613	51.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	4.65	84	101795	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.31	65	60157	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.34	84	203843	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.33	67	76200	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.57	98	172708	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	7.85	79	24324	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.31	63	161806	47.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	55965	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	62910	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	51019	2.743	ug/L	97
8) Chloroethane	1.77	64	1476	0.132	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	593	0.052	ug/L #	30
12) 1,1-Dichloroethene	2.28	96	763	0.066	ug/L #	1
13) Acetone	2.32	43	2257	0.802	ug/L	81
15) Methyl Acetate	2.63	43	952	0.126	ug/L #	58
16) Methylene chloride	2.70	84	3670	0.269	ug/L	88
18) trans-1,2-Dichloroethene	2.98	96	834	0.068	ug/L	96
22) cis-1,2-Dichloroethene	4.23	96	86102	6.361	ug/L	100
25) Chloroform	4.68	83	37512	1.620	ug/L	99
35) Methylcyclohexane	6.33	83	15611	0.670	ug/L #	16
37) 1,2-Dichloropropane	6.34	63	8058	0.531	ug/L #	92
38) Bromodichloromethane	6.76	83	4610	0.286	ug/L #	99
39) cis-1,3-Dichloropropene	7.22	75	1669	0.081	ug/L #	57
42) Toluene	7.64	91	5753	0.102	ug/L	85
48) 2-Hexanone	8.31	43	20180	2.716	ug/L #	66
52) Ethylbenzene	9.26	91	2681	0.043	ug/L	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111518\
Quantitation Report (Not Reviewed)

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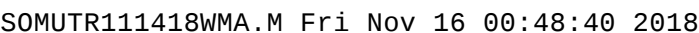
Instrument :
MSVOA_U
ClientSampleId :
H0FP4DL

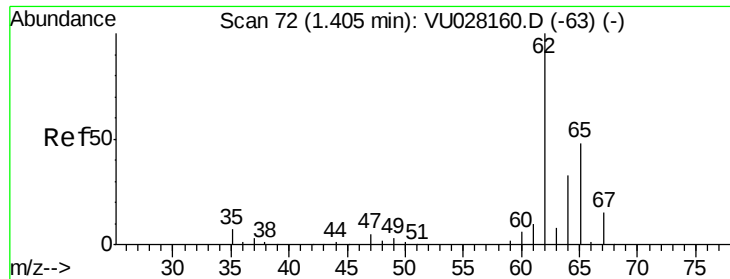
Quant Time: Nov 16 00:50:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.38	106	1269	0.056	ug/L	76
59) 1,2,3-Trichloropropane	11.48	75	10951	1.286	ug/L	92

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

Quant Time: Nov 16 00:50:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.743 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

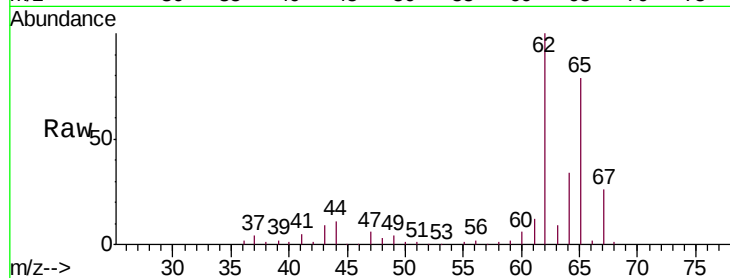
H0FP4DL

Tgt Ion: 62 Resp: 51019

Ion Ratio Lower Upper

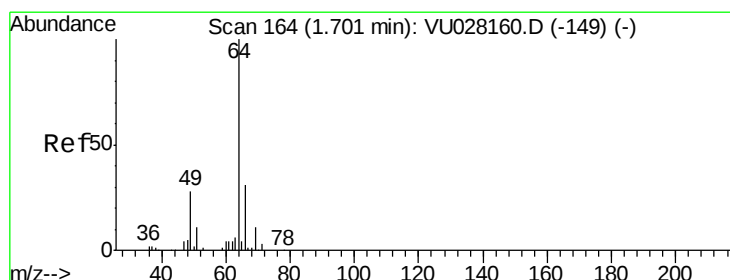
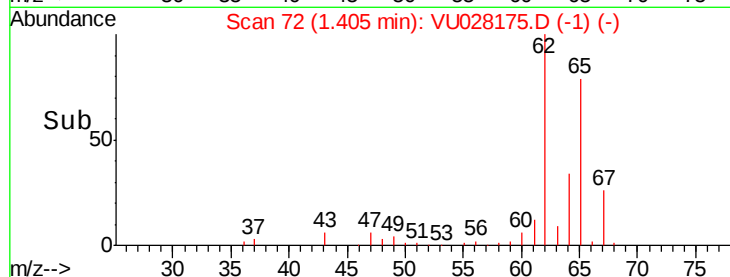
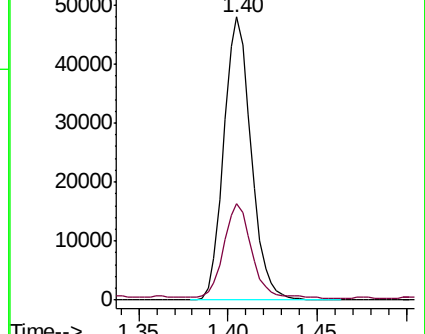
62 100

64 33.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.132 ug/L

RT: 1.77 min Scan# 186

Delta R.T. 0.07 min

Lab File: VU028175.D

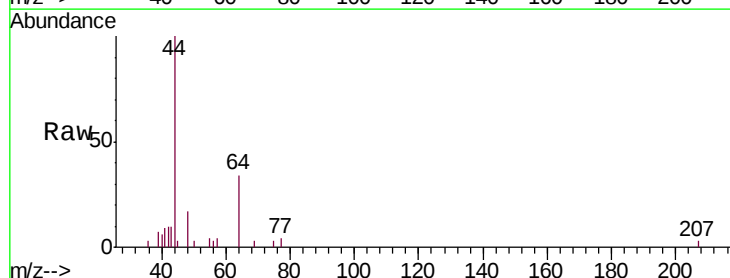
Acq: 15 Nov 2018 16:39

Tgt Ion: 64 Resp: 1476

Ion Ratio Lower Upper

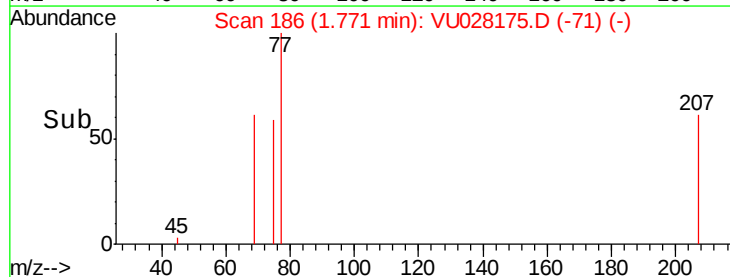
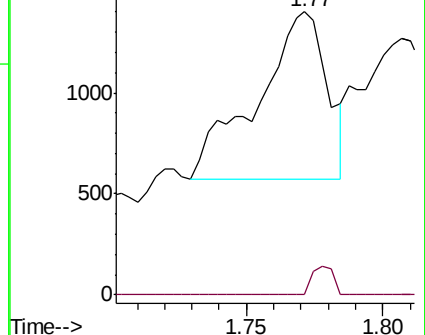
64 100

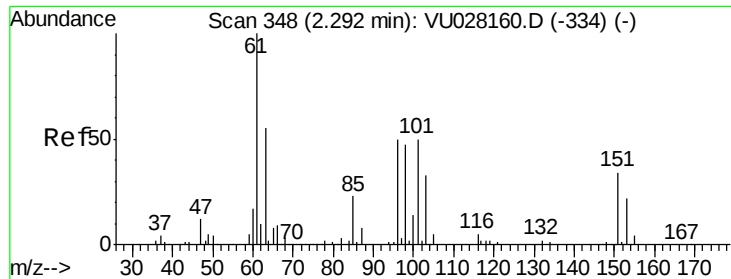
66 0.0 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.052 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

H0FP4DL

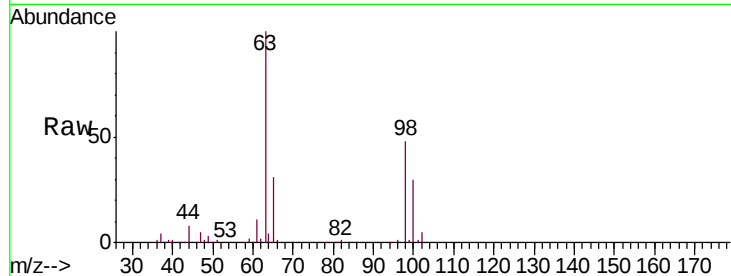
Tgt Ion: 101 Resp: 593

Ion Ratio Lower Upper

101 100

85 7.9 37.6 56.4#

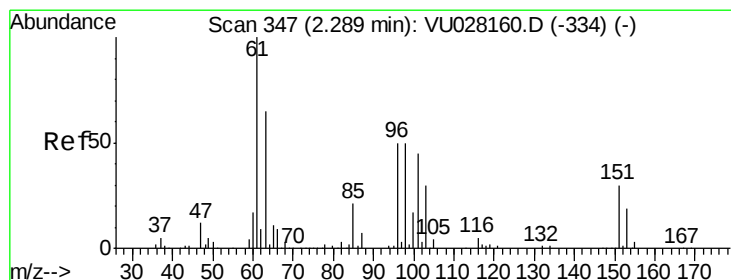
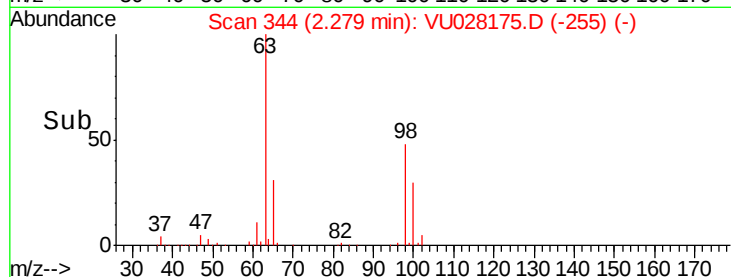
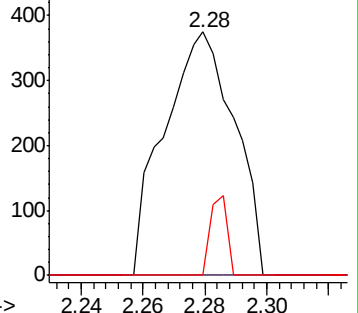
151 7.6 58.2 87.2#



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: 0.066 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

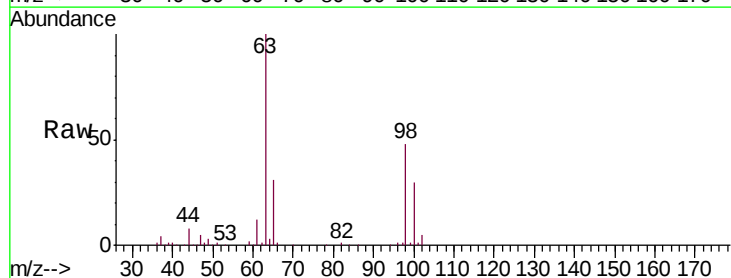
Tgt Ion: 96 Resp: 763

Ion Ratio Lower Upper

96 100

61 1043.3 134.8 250.3#

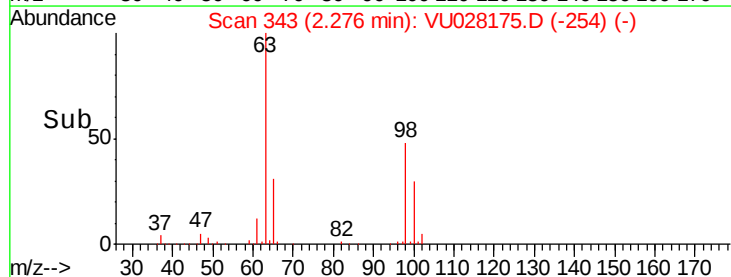
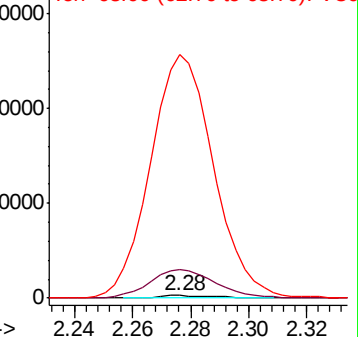
63 8887.2 100.1 185.9#

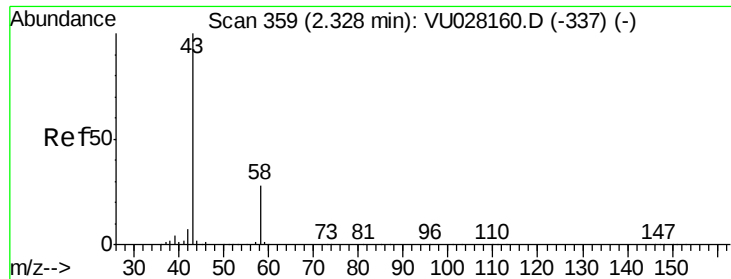


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.802 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

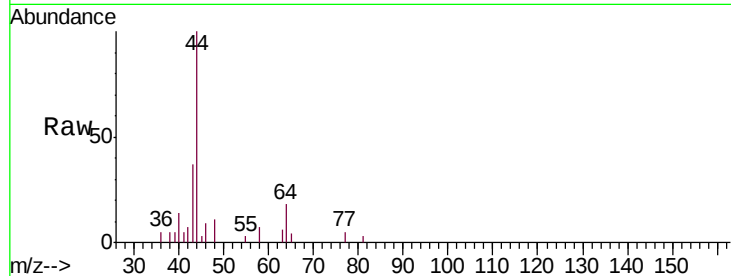
H0FP4DL

Tgt Ion: 43 Resp: 2257

Ion Ratio Lower Upper

43 100

58 20.5 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

1500

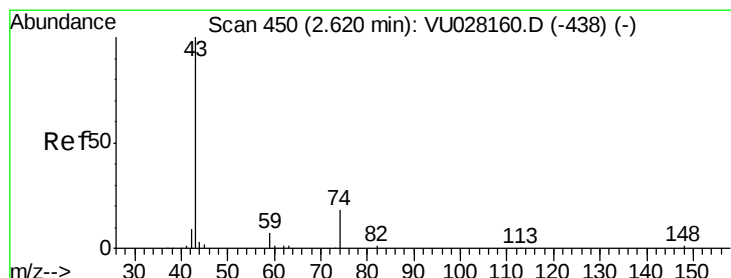
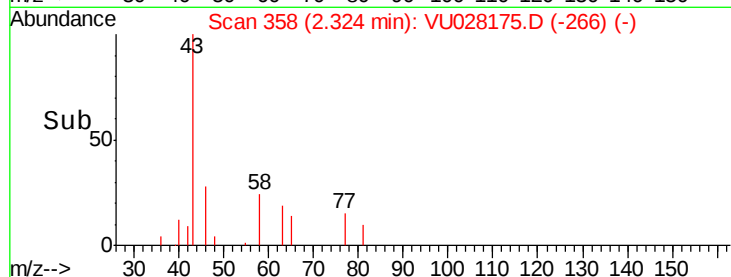
1000

500

0

2.30 2.32 2.34 2.36 2.38 2.40

Time-->



#15

Methyl Acetate

Concen: 0.126 ug/L

RT: 2.63 min Scan# 453

Delta R.T. 0.01 min

Lab File: VU028175.D

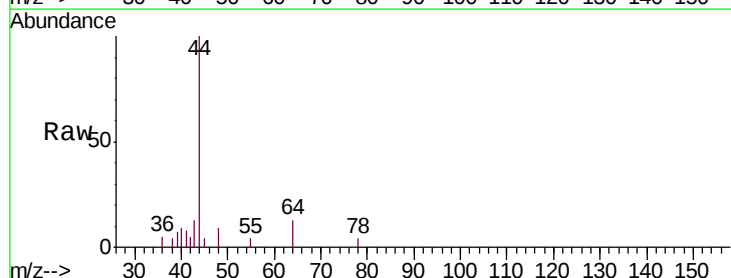
Acq: 15 Nov 2018 16:39

Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

74 0.0 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

500

400

300

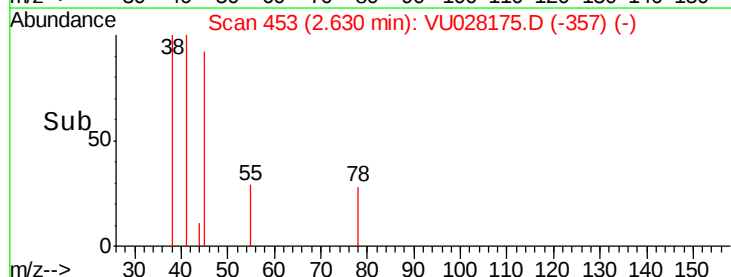
200

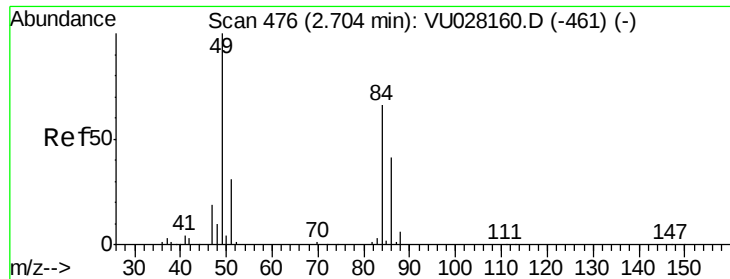
100

0

2.60 2.62 2.64 2.66

Time-->

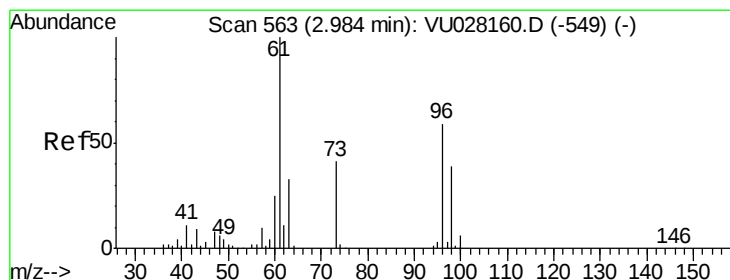
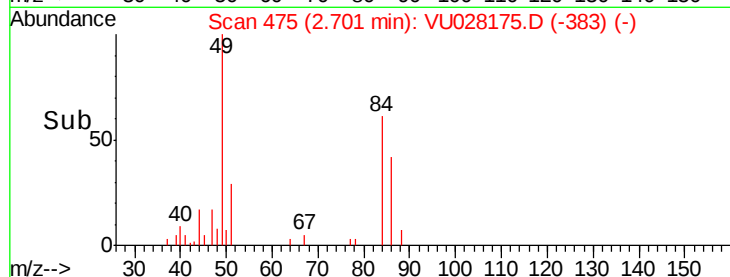
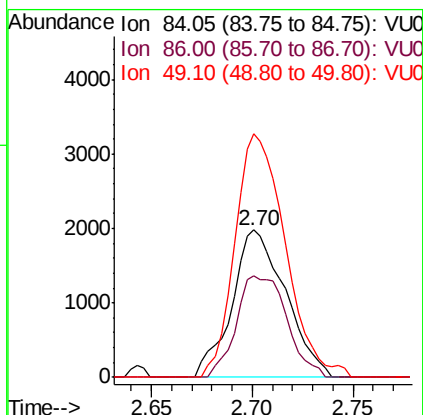
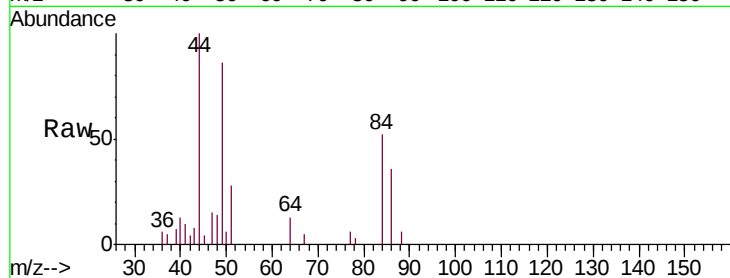




#16
Methylene chloride
Concen: 0.269 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028175.D
Acq: 15 Nov 2018 16:39

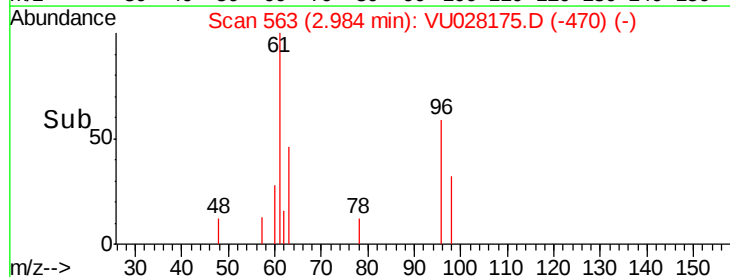
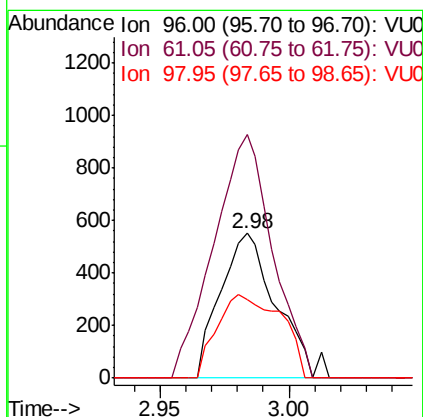
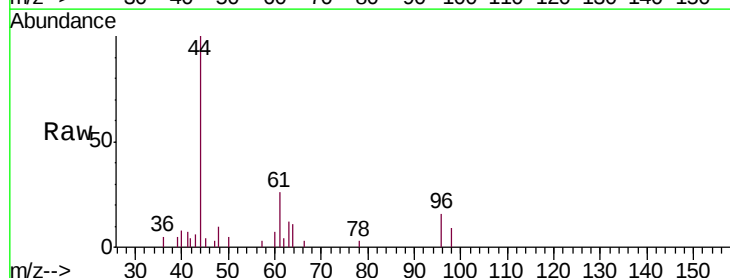
Instrument :
MSVOA_U
ClientSampleId :
H0FP4DL

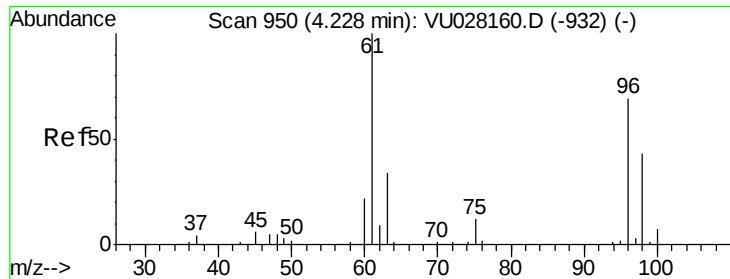
Tgt Ion: 84 Resp: 3670
Ion Ratio Lower Upper
84 100
86 68.8 44.6 82.8
49 165.2 102.5 190.3



#18
trans-1,2-Dichloroethene
Concen: 0.068 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028175.D
Acq: 15 Nov 2018 16:39

Tgt Ion: 96 Resp: 834
Ion Ratio Lower Upper
96 100
61 168.2 118.5 220.1
98 54.6 44.9 83.5



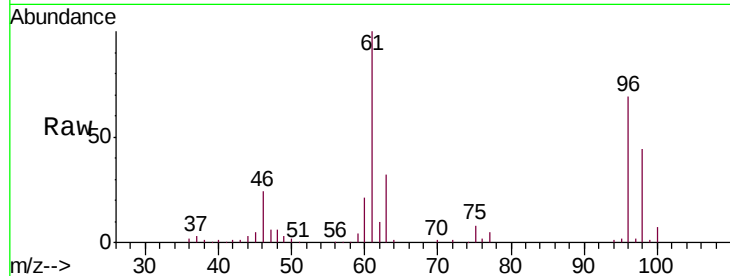


#22

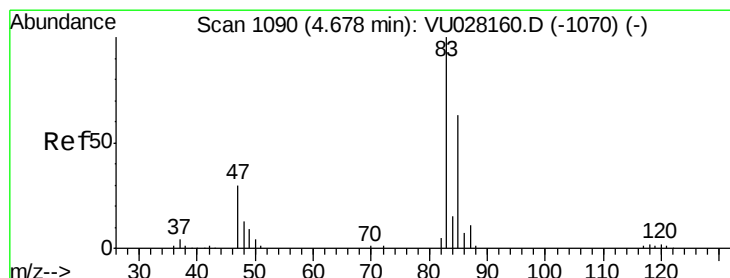
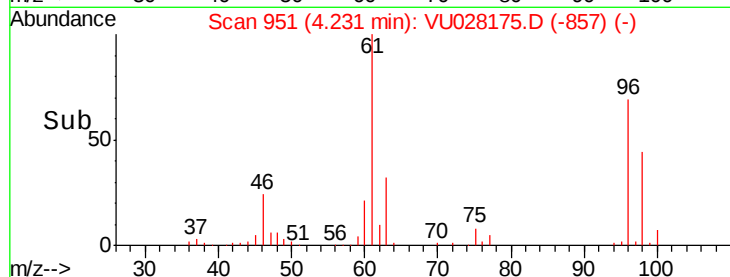
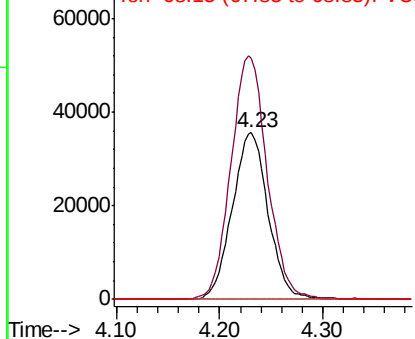
cis-1,2-Dichloroethene
 Concen: 6.361 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028175.D
 Acq: 15 Nov 2018 16:39

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FP4DL

Tgt Ion: 96 Resp: 86102
 Ion Ratio Lower Upper
 96 100
 61 144.8 101.8 189.0
 68 0.0 0.0 0.0



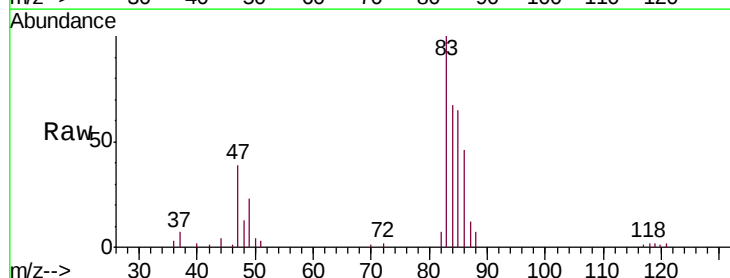
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



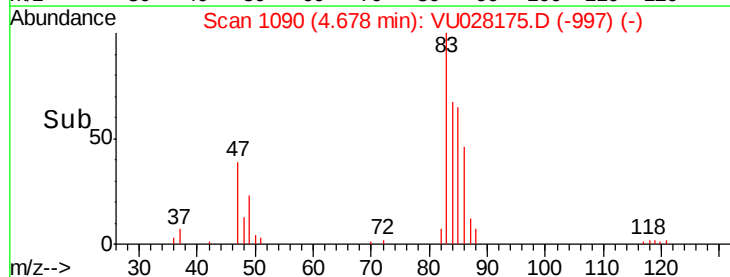
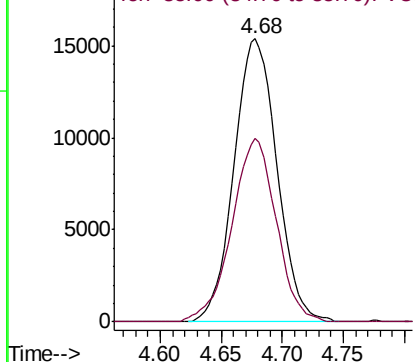
#25

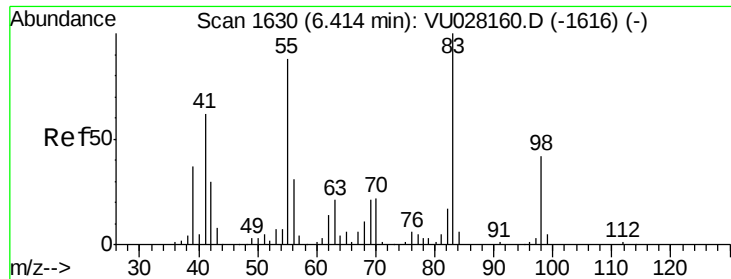
Chloroform
 Concen: 1.620 ug/L
 RT: 4.68 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VU028175.D
 Acq: 15 Nov 2018 16:39

Tgt Ion: 83 Resp: 37512
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#35

Methylcyclohexane

Concen: 0.670 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

H0FP4DL

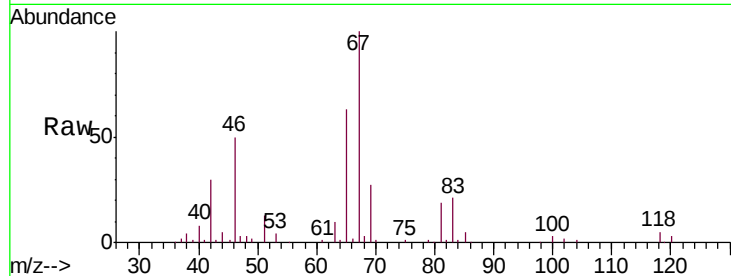
Tgt Ion: 83 Resp: 15611

Ion Ratio Lower Upper

83 100

55 0.1 69.0 103.4#

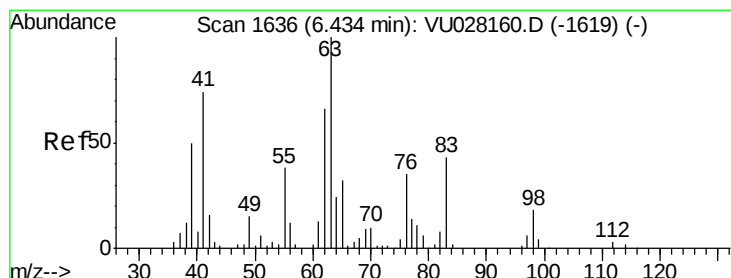
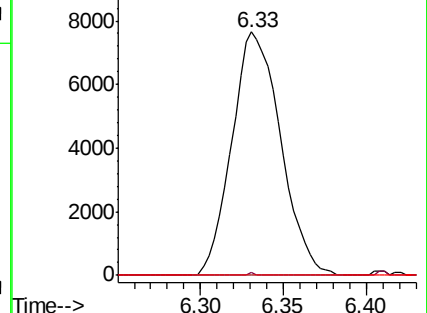
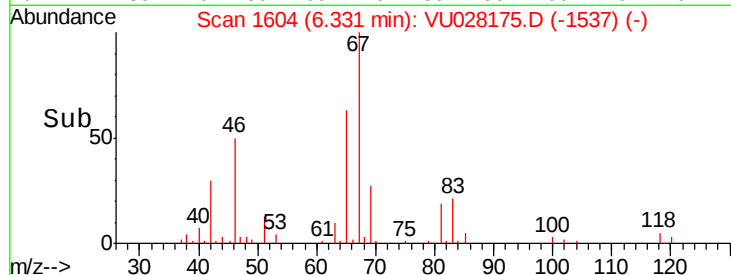
98 2.1 33.3 49.9#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.531 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.10 min

Lab File: VU028175.D

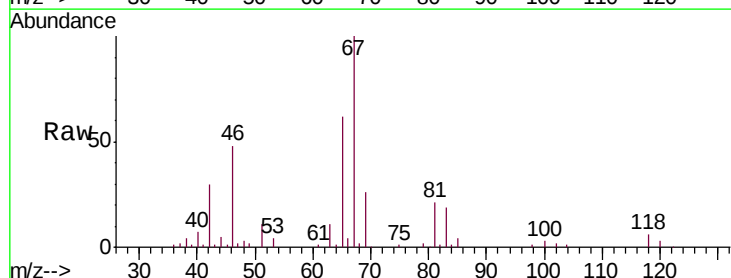
Acq: 15 Nov 2018 16:39

Tgt Ion: 63 Resp: 8058

Ion Ratio Lower Upper

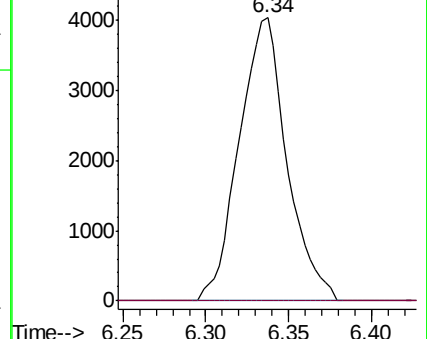
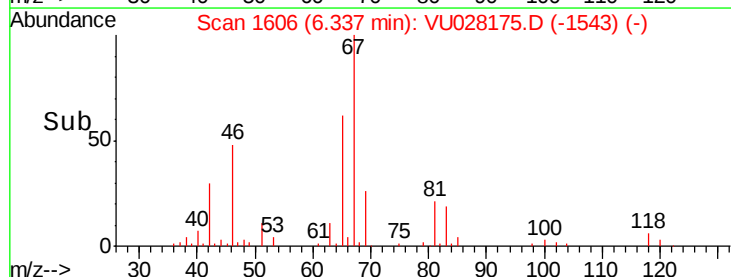
63 100

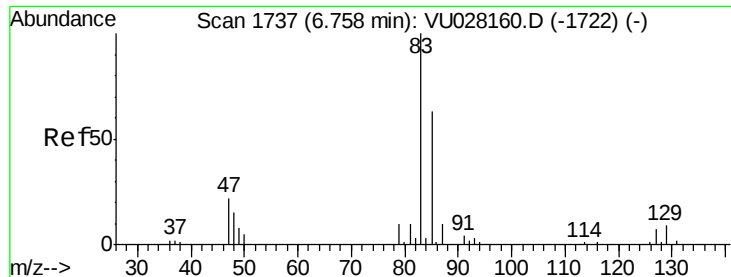
112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.286 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

H0FP4DL

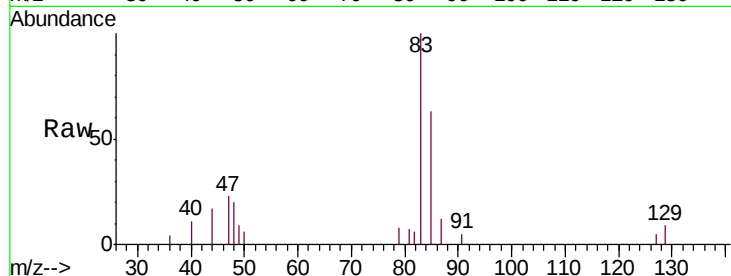
Tgt Ion: 83 Resp: 4610

Ion Ratio Lower Upper

83 100

85 63.5 44.5 82.7

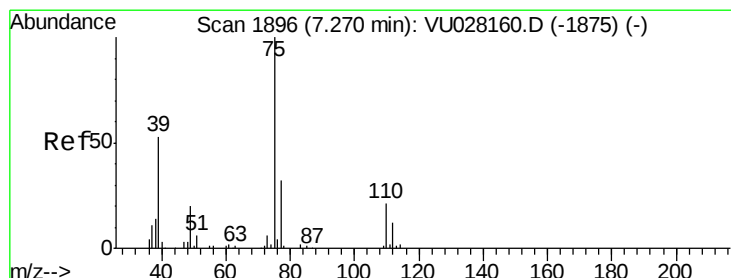
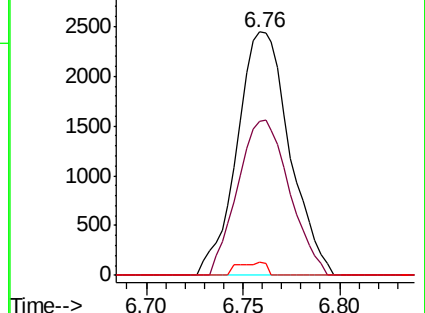
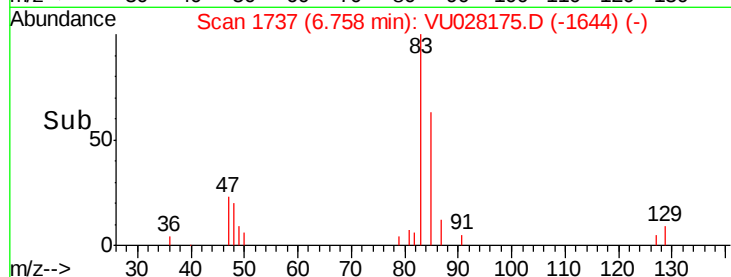
127 5.2 6.8 10.2#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.05 min

Lab File: VU028175.D

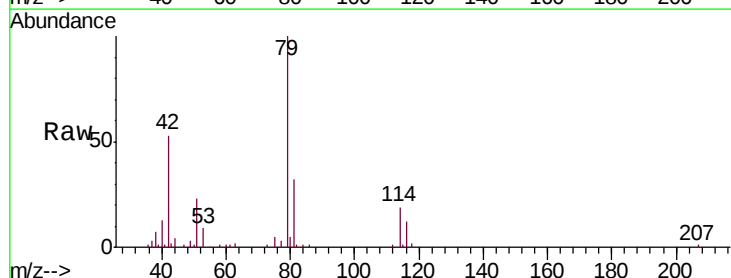
Acq: 15 Nov 2018 16:39

Tgt Ion: 75 Resp: 1669

Ion Ratio Lower Upper

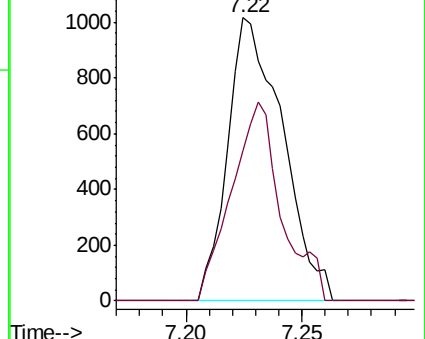
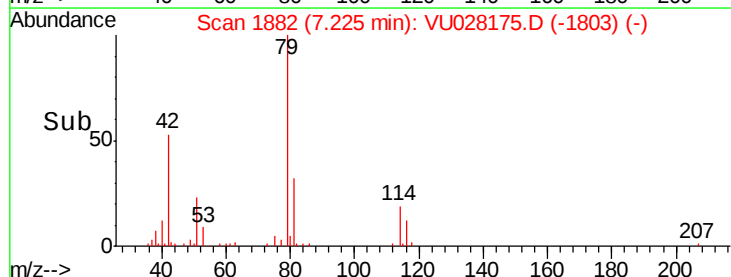
75 100

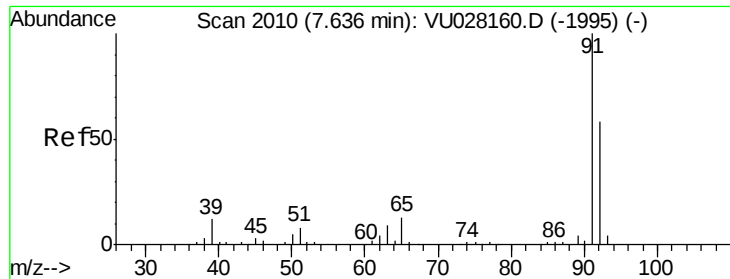
77 53.0 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.102 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.01 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

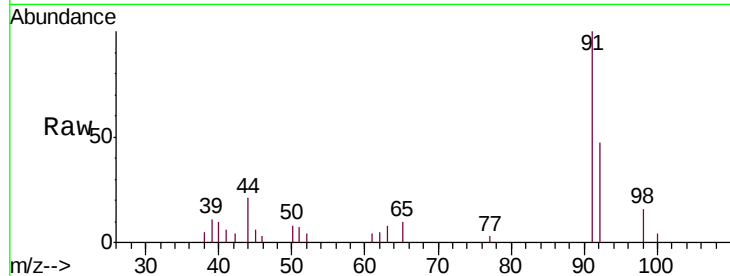
H0FP4DL

Tgt Ion: 91 Resp: 5753

Ion Ratio Lower Upper

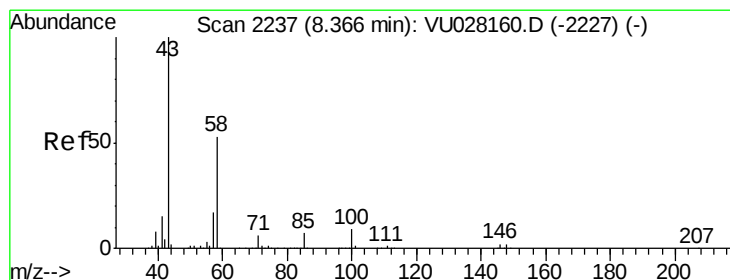
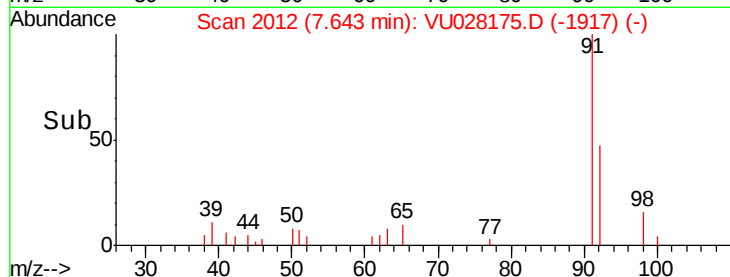
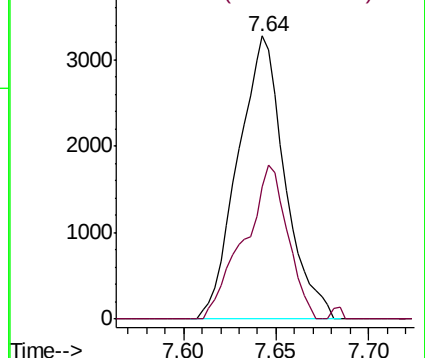
91 100

92 46.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU028160.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU028160.D (-1995) (-)



#48

2-Hexanone

Concen: 2.716 ug/L

RT: 8.31 min Scan# 2221

Delta R.T. -0.05 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Tgt Ion: 43 Resp: 20180

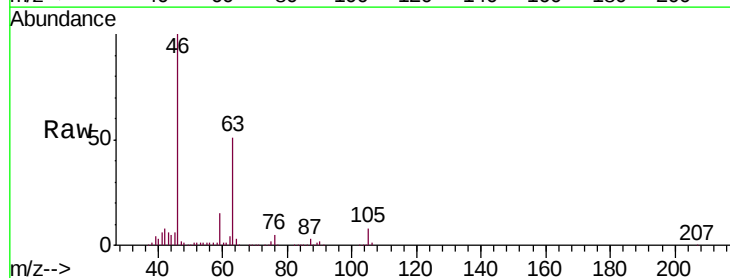
Ion Ratio Lower Upper

43 100

58 21.3 41.7 62.5#

57 21.9 14.0 21.0#

100 0.0 7.2 10.8#

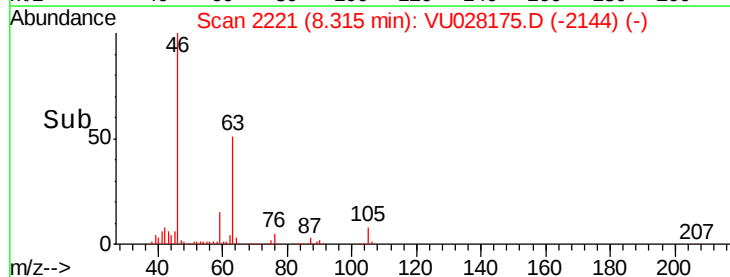
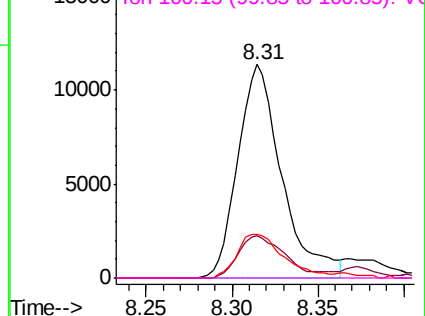


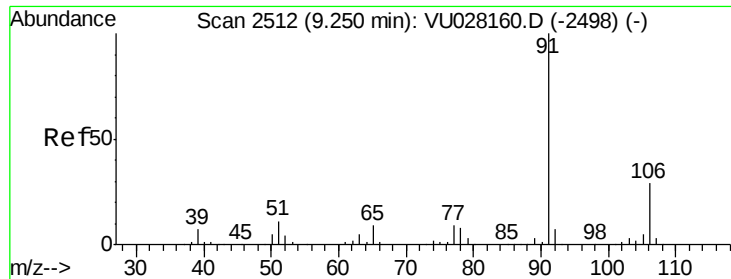
Abundance Ion 43.05 (42.75 to 43.75): VU028160.D (-2227) (-)

Ion 58.05 (57.75 to 58.75): VU028160.D (-2227) (-)

Ion 57.20 (56.90 to 57.90): VU028160.D (-2227) (-)

Ion 100.15 (99.85 to 100.85): VU028160.D (-2227) (-)





#52

Ethylbenzene

Concen: 0.043 ug/L

RT: 9.26 min Scan# 2514

Delta R.T. 0.01 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

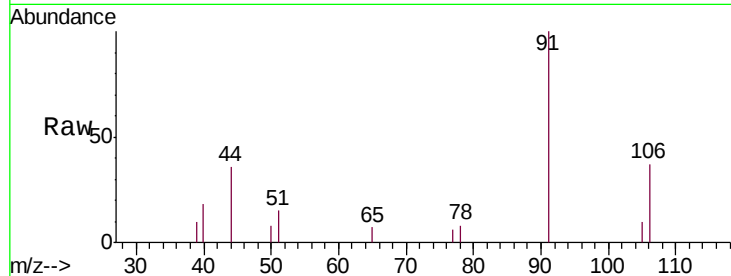
H0FP4DL

Tgt Ion: 91 Resp: 2681

Ion Ratio Lower Upper

91 100

106 36.9 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU028160.D (-2498) (-)

Ion 106.15 (105.85 to 106.85): VU028160.D (-2498) (-)

9.26

1500

1000

500

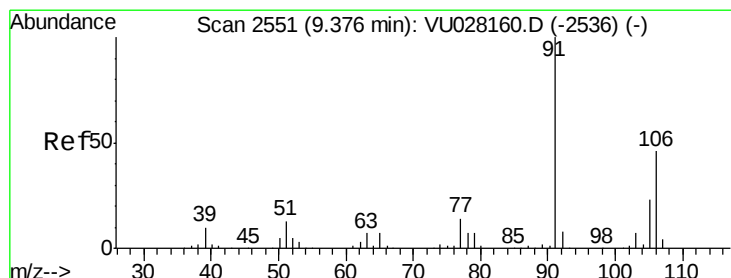
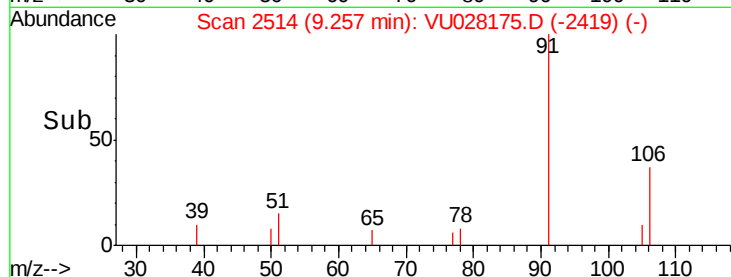
0

Time-->

9.20

9.25

9.30



#53

m,p-xylene

Concen: 0.056 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU028175.D

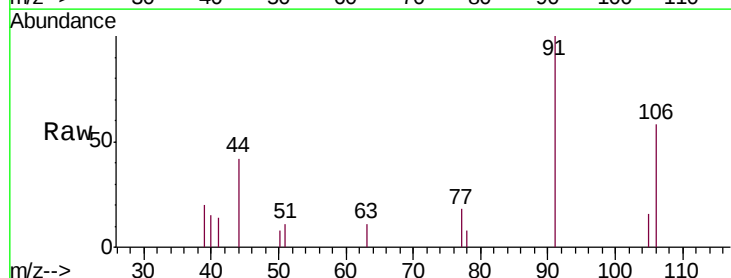
Acq: 15 Nov 2018 16:39

Tgt Ion: 106 Resp: 1269

Ion Ratio Lower Upper

106 100

91 171.4 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): VU028160.D (-2536) (-)

Ion 91.15 (90.85 to 91.85): VU028160.D (-2536) (-)

9.38

1500

1000

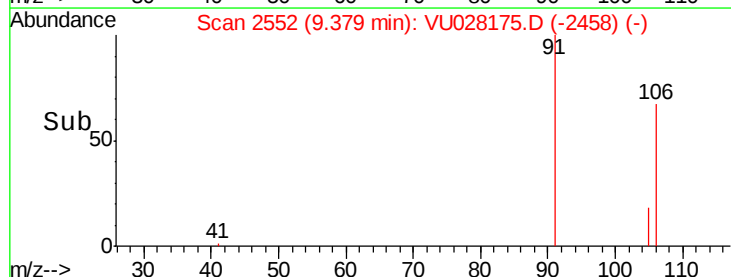
500

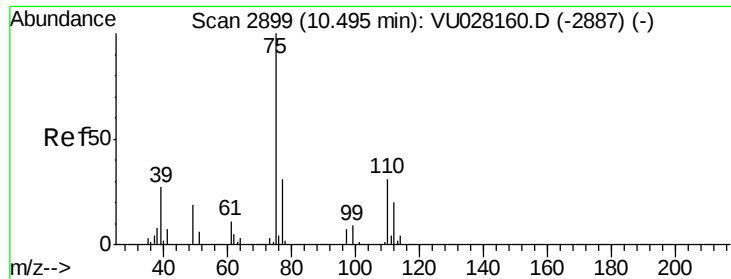
0

Time-->

9.35

9.40





#59

1,2,3-Trichloropropane

Concen: 1.286 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028175.D

Acq: 15 Nov 2018 16:39

Instrument :

MSVOA_U

ClientSampleId :

H0FP4DL

Tgt Ion: 75 Resp: 10951

Ion Ratio Lower Upper

75 100

77 35.9 25.4 38.0

