

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028147.D
 Acq On : 15 Nov 2018 02:30
 Operator : MD/SY
 Sample : J5943-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 06:19:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	138885	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	128759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60596	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51627	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.68	69	43143	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.28	63	72827	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.19	46	175967	52.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.28%
24) Chloroform-d	4.65	84	75779	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.31	65	50508	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.34	84	179889	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.33	67	63926	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.57	98	157916	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.85	79	20166	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.31	63	135575	50.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	32931	3.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	54214	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	711	0.048	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	558	0.061	ug/L #	22
12) 1,1-Dichloroethene	2.28	96	571	0.062	ug/L #	1
13) Acetone	2.32	43	1838	0.816	ug/L	100
25) Chloroform	4.67	83	11246	0.607	ug/L	97
35) Methylcyclohexane	6.33	83	13350	0.724	ug/L #	29
37) 1,2-Dichloropropane	6.33	63	6451	0.538	ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1374	0.085	ug/L	97
42) Toluene	7.64	91	5441	0.122	ug/L	78
47) Tetrachloroethene	8.22	164	714	0.082	ug/L	91
48) 2-Hexanone	8.31	43	16125	2.743	ug/L #	67
49) Dibromochloromethane	8.23	129	682	0.088	ug/L #	11
52) Ethylbenzene	9.26	91	1505	0.031	ug/L	93
53) m,p-xylene	9.38	106	1510	0.085	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	8765	1.301	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	496	0.373	ug/L #	3

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ClientSampleId :

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

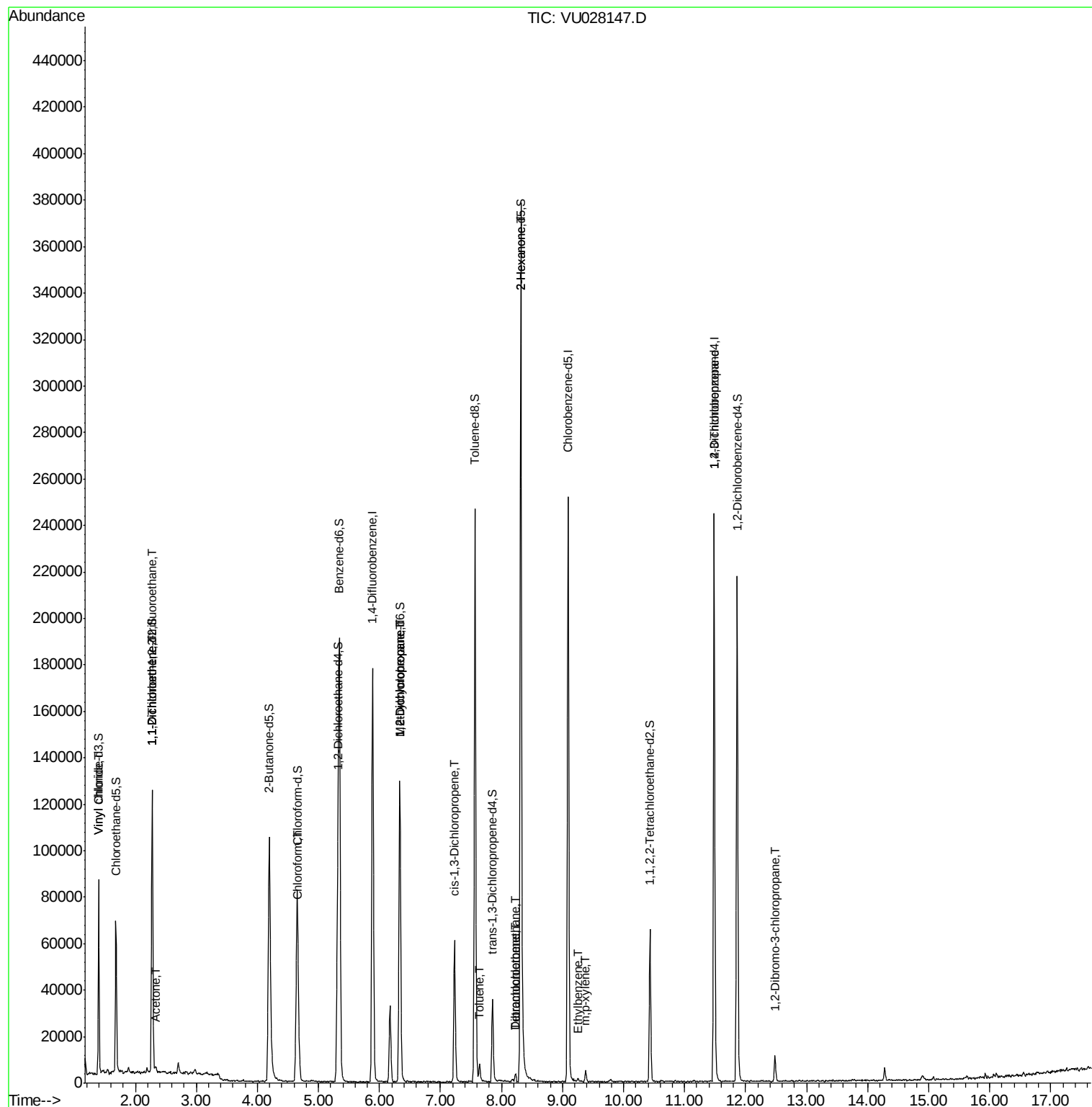
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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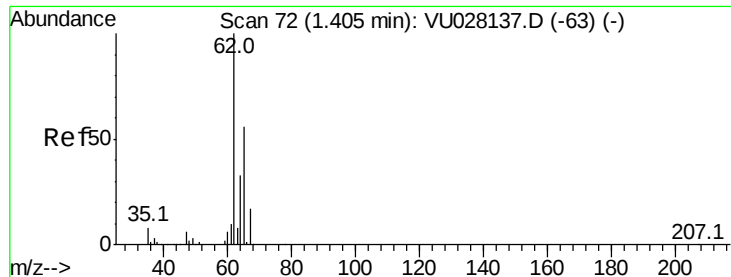
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.048 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

Instrument :

MSVOA_U

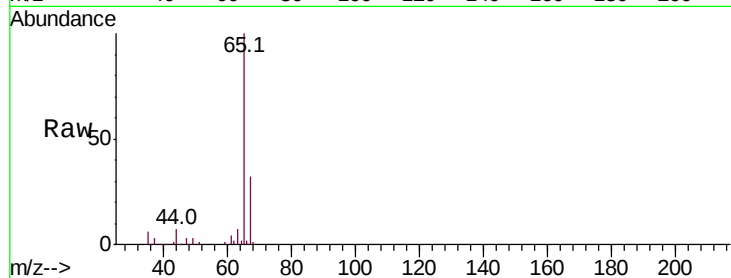
ClientSampleId :

Tot Ion: 62 Resp: 711

Ion Ratio Lower Upper

62 100

64 108.4 22.7 42.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028137.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VU028137.D (-63) (-)

1000

800

600

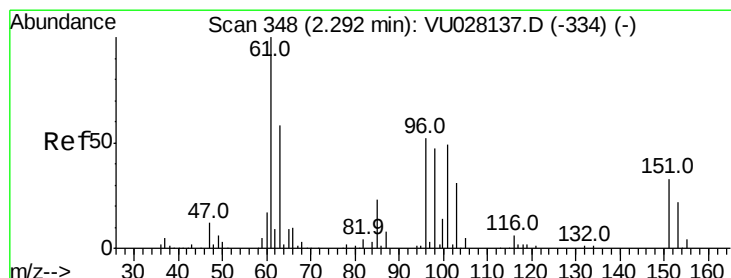
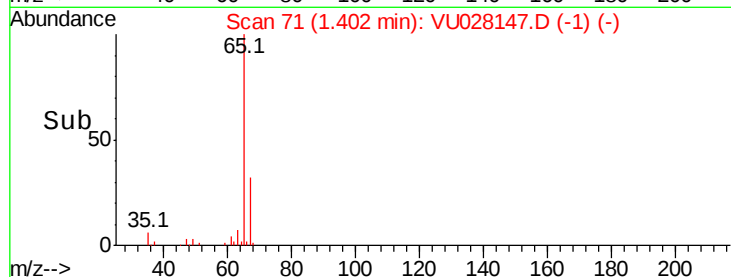
400

200

0

1.38 1.40 1.42

Time-->



#10

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

Concen: 0.061 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.01 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

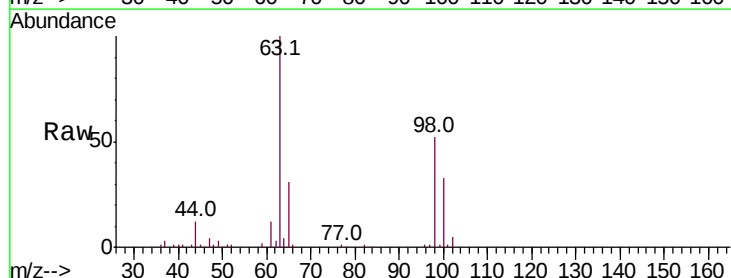
Tgt Ion: 101 Resp: 558

Ion Ratio Lower Upper

101 100

85 3.4 37.6 56.4#

151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): VU028137.D (-334) (-)

Ion 85.00 (84.70 to 85.70): VU028137.D (-334) (-)

Ion 151.00 (150.70 to 151.70): VU028137.D (-334) (-)

400

300

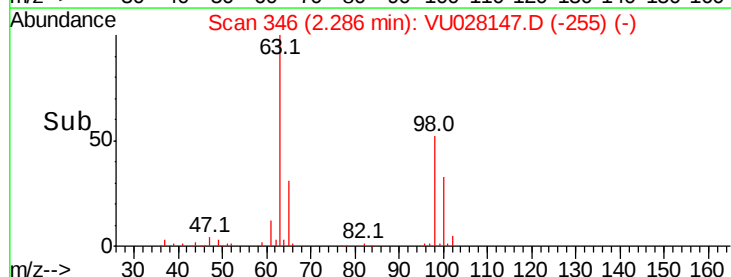
200

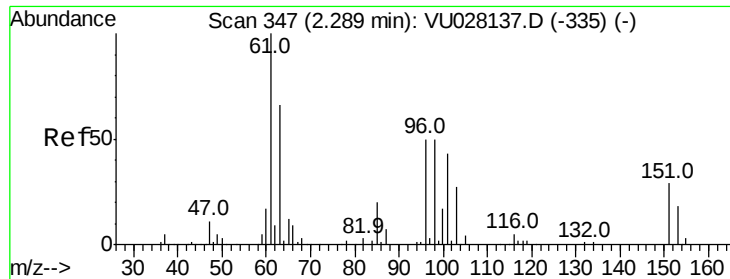
100

0

2.24 2.26 2.28 2.30

Time-->





#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :

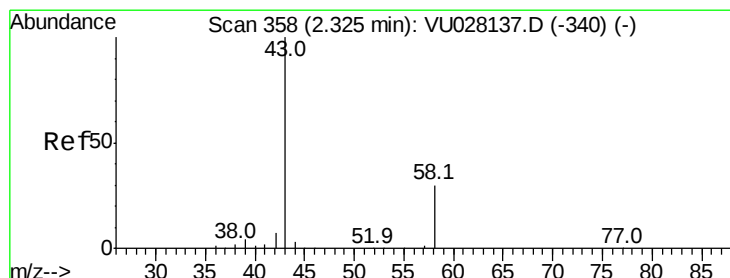
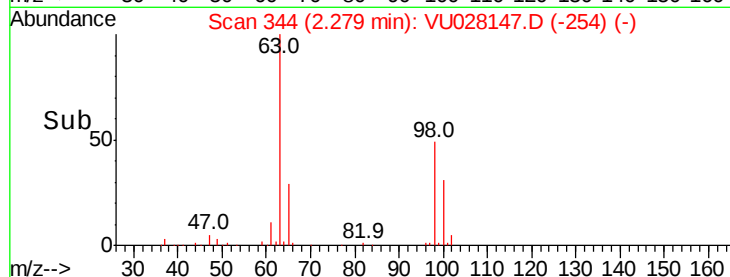
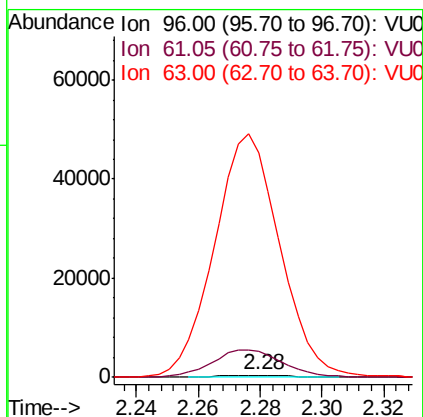
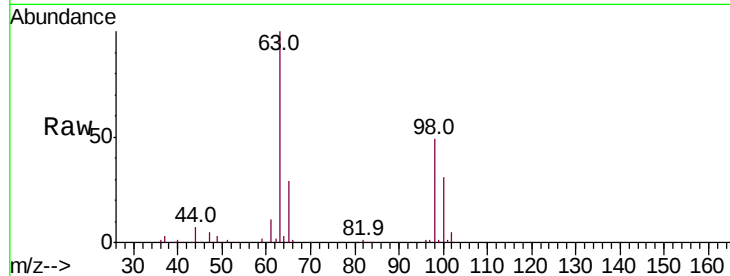
Tot Ion: 96 Resp: 571

Ion Ratio Lower Upper

96 100

61 1495.1 134.8 250.3#

63 13143.2 100.1 185.9#



#13

Acetone

Concen: 0.816 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028147.D

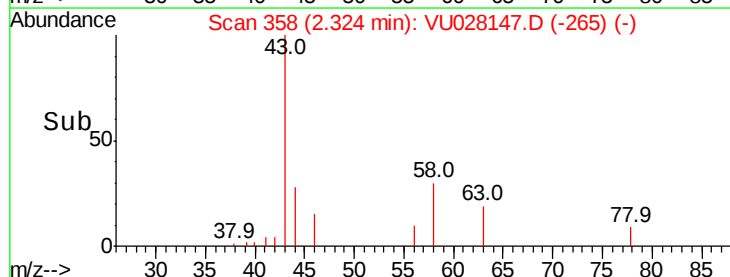
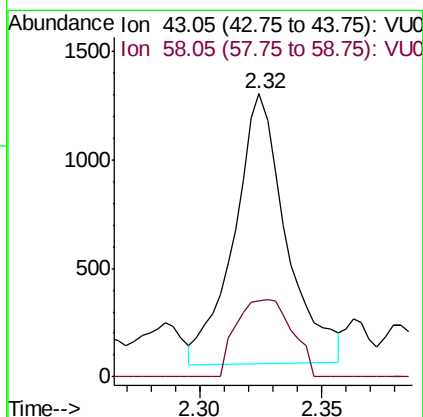
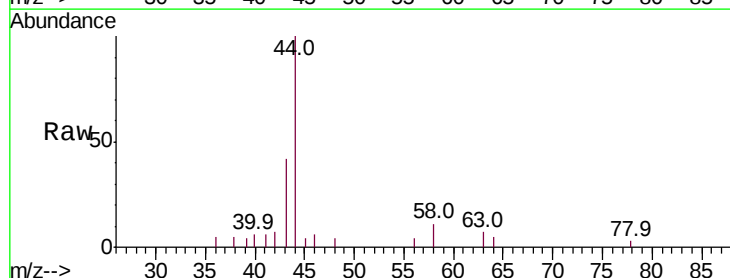
Acq: 15 Nov 2018 02:30

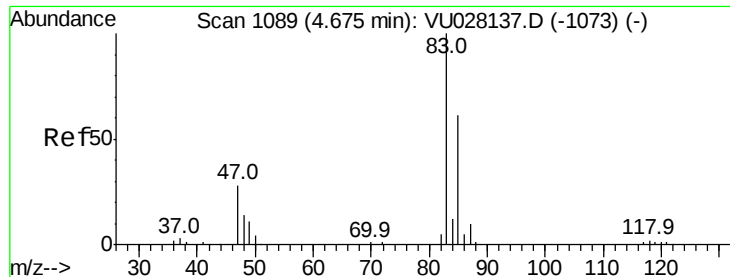
Tgt Ion: 43 Resp: 1838

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.6





#25

Chloroform

Concen: 0.607 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

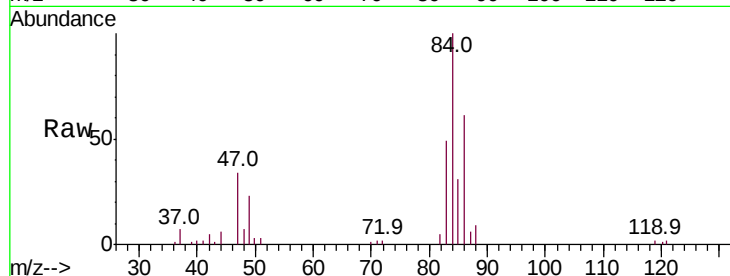
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 11246

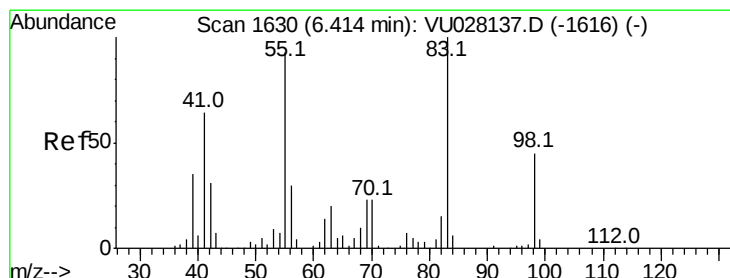
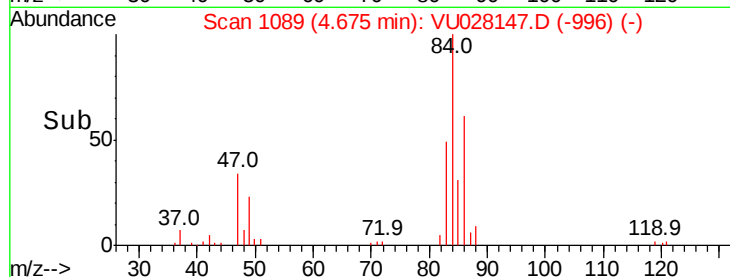
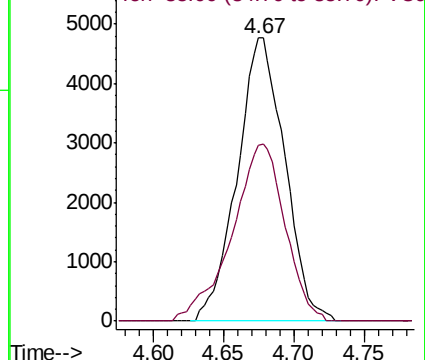
Ion Ratio Lower Upper

83 100

85 62.3 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: 0.724 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

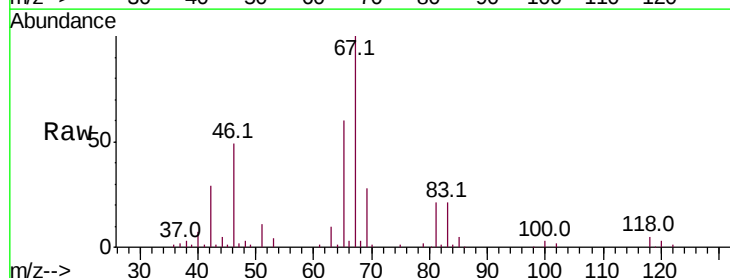
Tgt Ion: 83 Resp: 13350

Ion Ratio Lower Upper

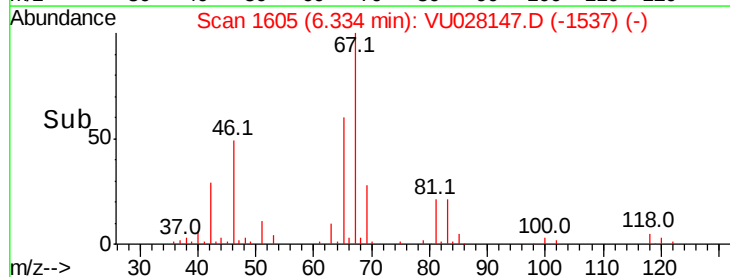
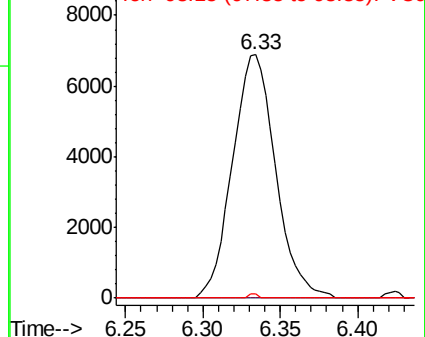
83 100

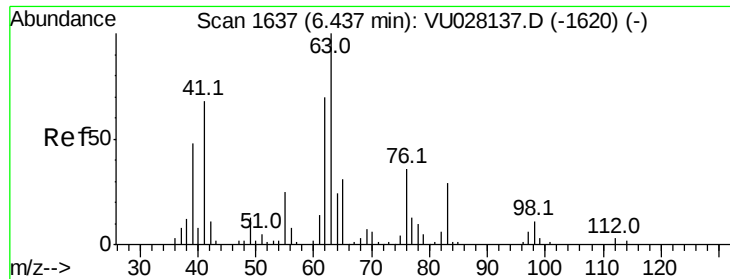
55 0.0 69.0 103.4#

98 55.7 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: 0.538 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

Instrument :

MSVOA_U

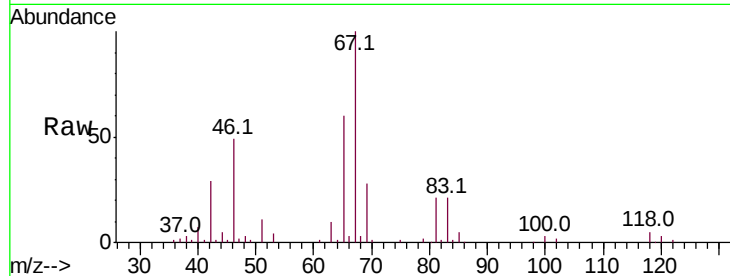
ClientSampleId :

Tot Ion: 63 Resp: 6451

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

4000

3000

2000

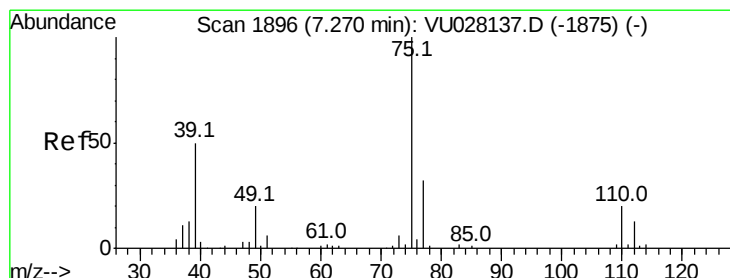
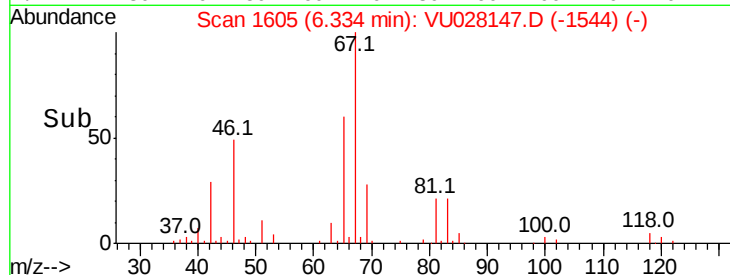
1000

0

6.25 6.30 6.35 6.40

6.33

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.05 min

Lab File: VU028147.D

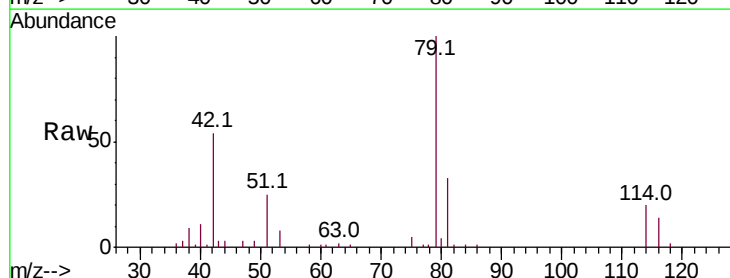
Acq: 15 Nov 2018 02:30

Tgt Ion: 75 Resp: 1374

Ion Ratio Lower Upper

75 100

77 28.1 20.9 38.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

1000

800

600

400

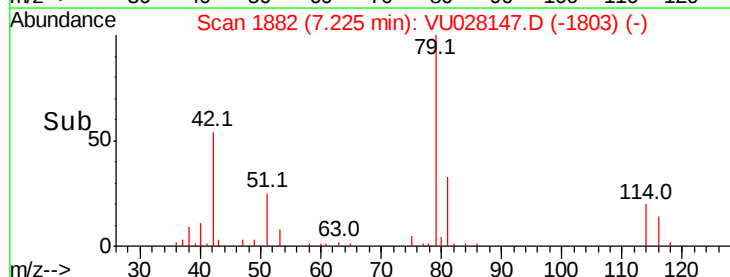
200

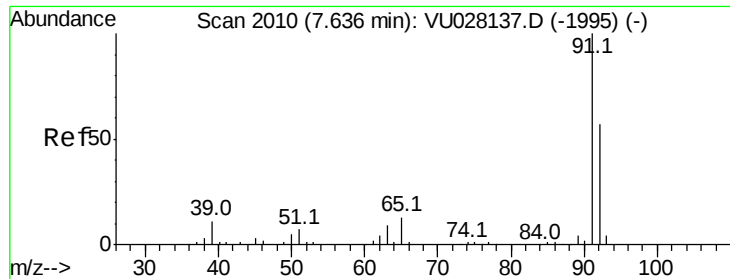
0

7.20 7.25

7.22

Time-->





#42

Toluene

Concen: 0.122 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

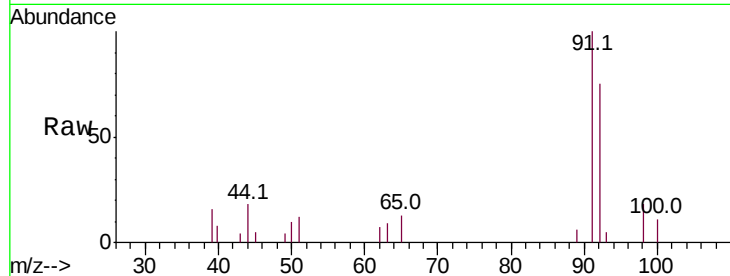
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 5441

Ion Ratio Lower Upper

91 100

92 74.6 40.7 75.7

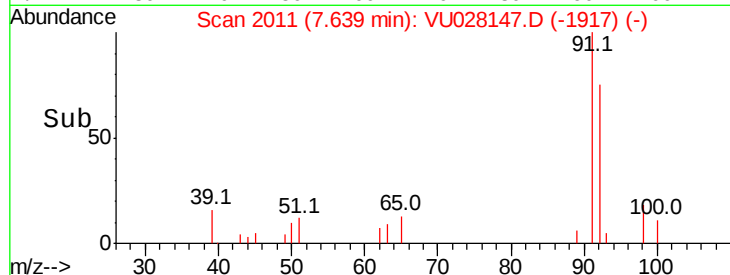


Abundance Ion 91.15 (90.85 to 91.85): VU028147.D (-1917) (-)

Ion 92.15 (91.85 to 92.85): VU028147.D (-1917) (-)

7.64

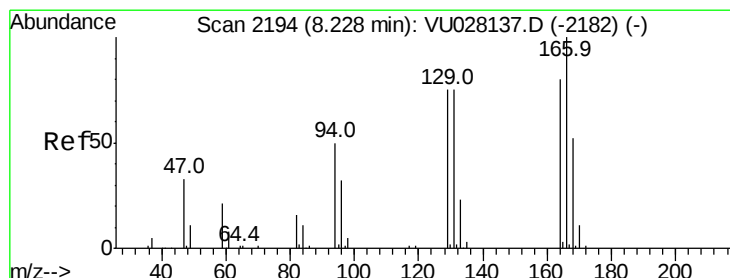
Time-->



Scan 2011 (7.639 min): VU028147.D (-1917) (-)

7.64

Time-->



#47

Tetrachloroethene

Concen: 0.082 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028147.D

Acq: 15 Nov 2018 02:30

Tgt Ion: 164 Resp: 714

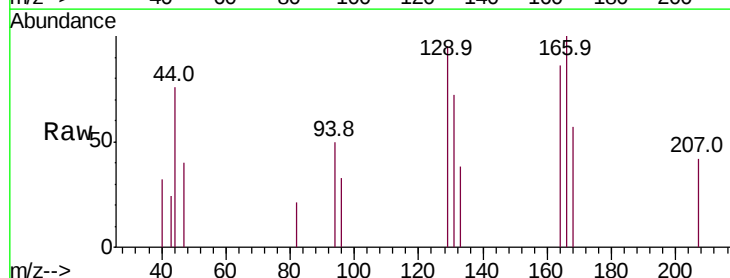
Ion Ratio Lower Upper

164 100

129 110.2 69.7 129.4

131 82.8 64.0 118.8

166 115.6 86.4 160.4



Abundance Ion 163.90 (163.60 to 164.60): VU028147.D (-2101) (-)

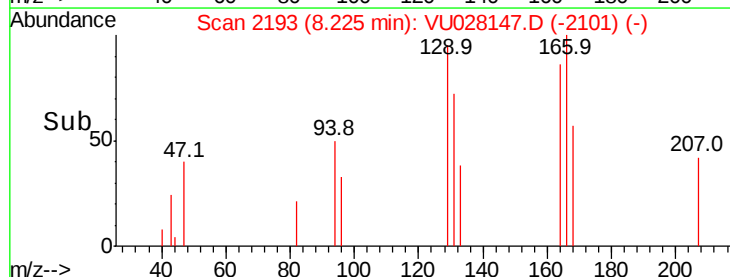
Ion 128.95 (128.65 to 129.65): VU028147.D (-2101) (-)

Ion 130.95 (130.65 to 131.65): VU028147.D (-2101) (-)

Ion 165.90 (165.60 to 166.60): VU028147.D (-2101) (-)

8.22

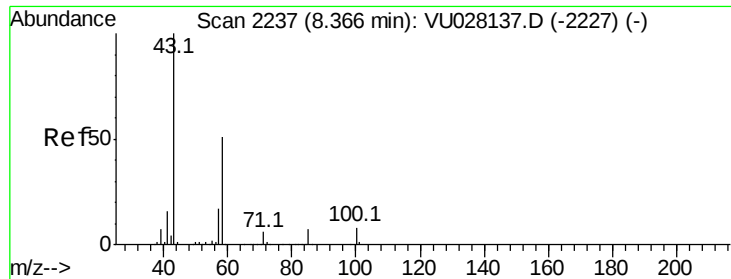
Time-->



Scan 2193 (8.225 min): VU028147.D (-2101) (-)

8.22

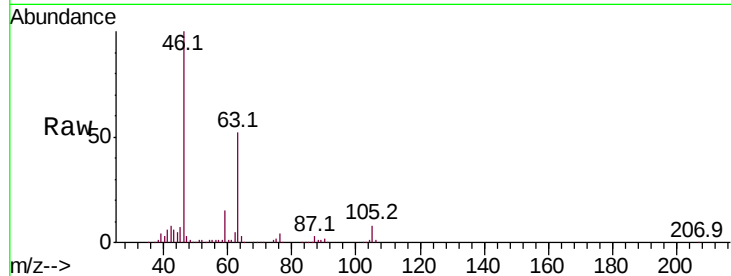
Time-->



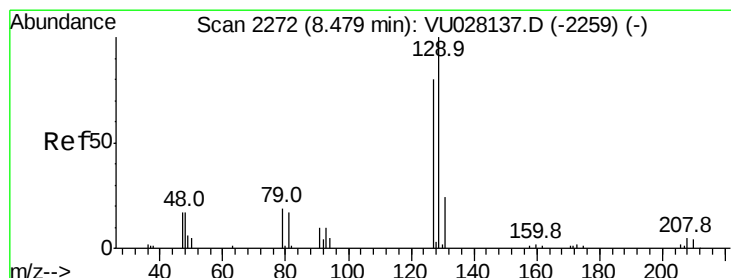
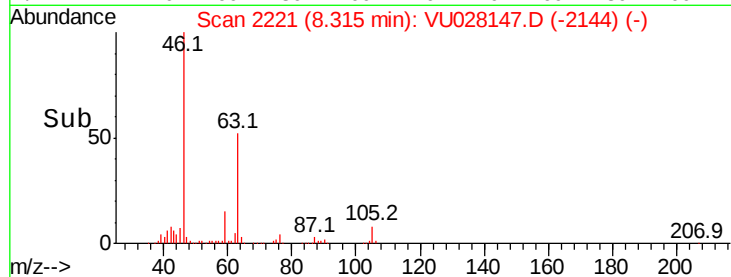
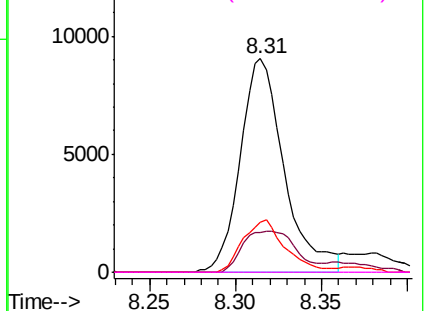
#48
2-Hexanone
Concen: 2.743 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU028147.D
Acq: 15 Nov 2018 02:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 16125
Ion Ratio Lower Upper
43 100
58 23.3 41.7 62.5#
57 23.4 14.0 21.0#
100 0.0 7.2 10.8#

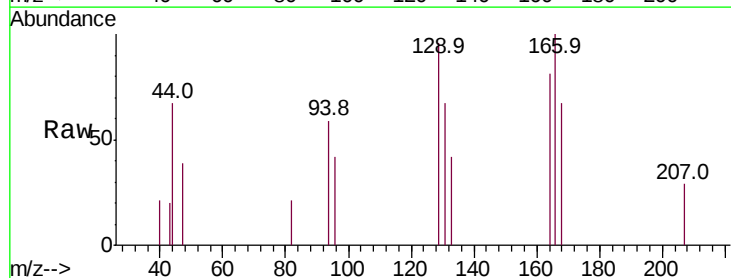


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

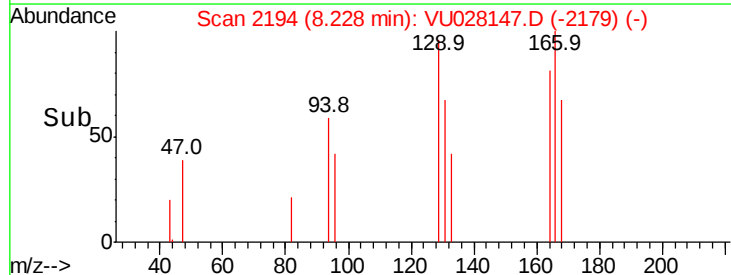
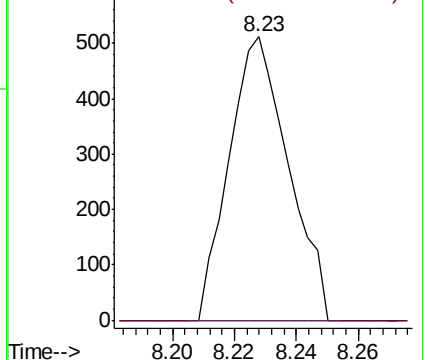


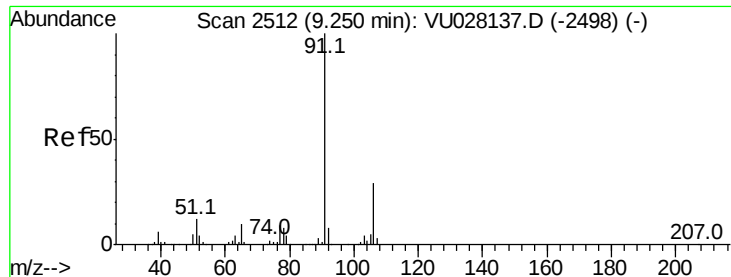
#49
Dibromochloromethane
Concen: 0.088 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028147.D
Acq: 15 Nov 2018 02:30

Tgt Ion: 129 Resp: 682
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

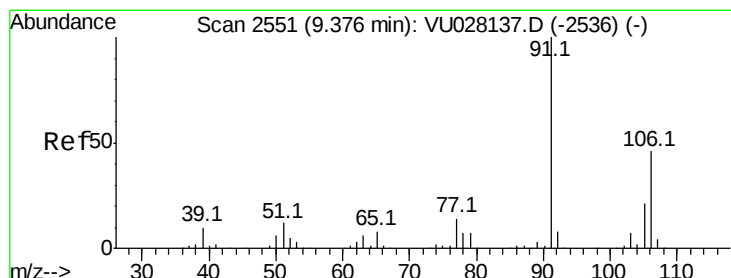
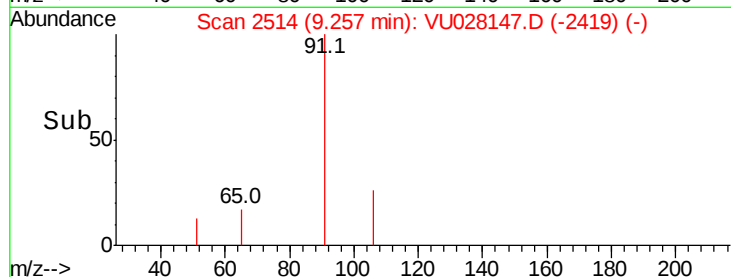
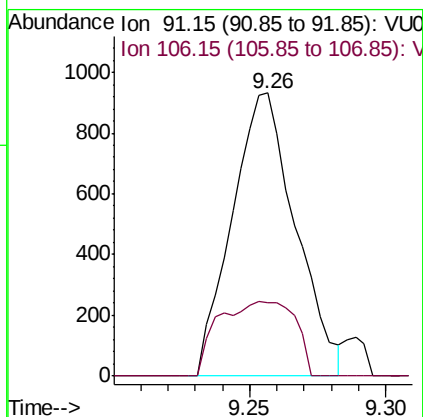
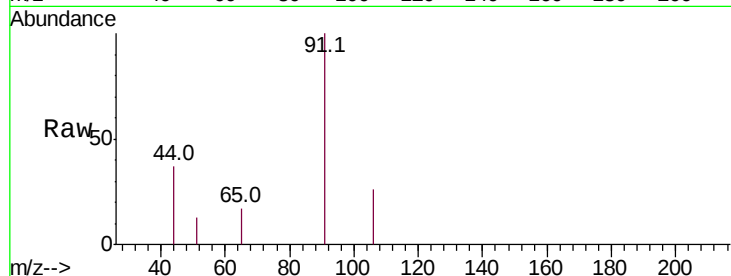




#52
Ethylbenzene
Concen: 0.031 ug/L
RT: 9.26 min Scan# 2514
Delta R.T. 0.01 min
Lab File: VU028147.D
Acq: 15 Nov 2018 02:30

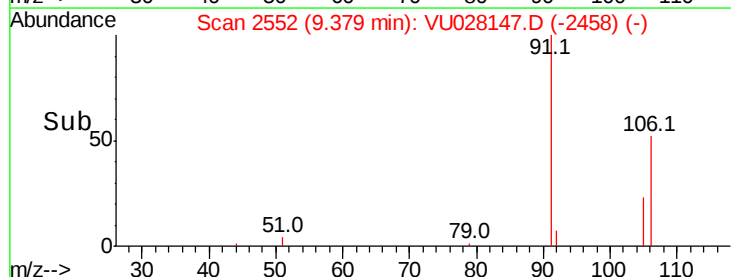
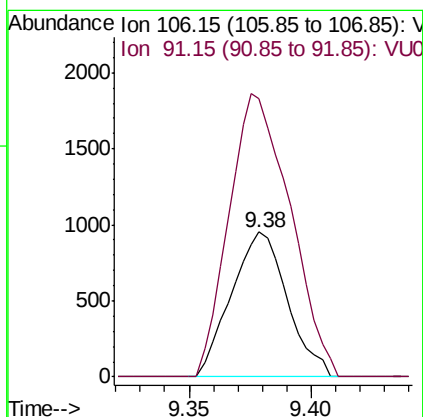
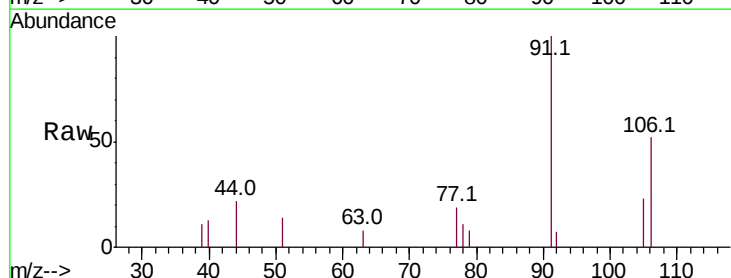
Instrument :
MSVOA_U
ClientSampleId :

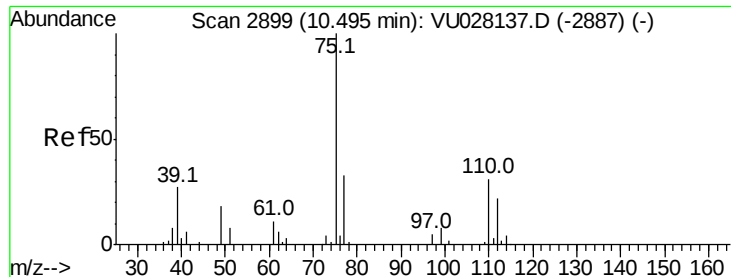
Tot Ion: 91 Resp: 1505
Ion Ratio Lower Upper
91 100
106 25.9 20.9 38.7



#53
m,p-xylene
Concen: 0.085 ug/L
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU028147.D
Acq: 15 Nov 2018 02:30

Tgt Ion: 106 Resp: 1510
Ion Ratio Lower Upper
106 100
91 192.4 145.7 270.7

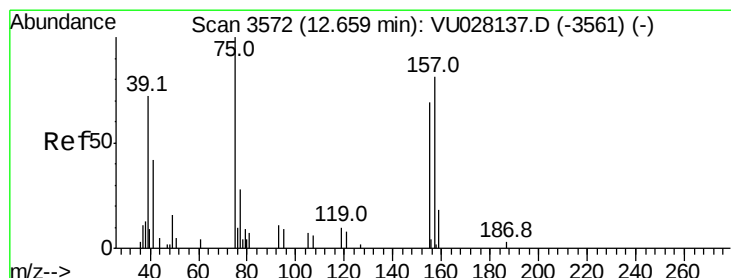
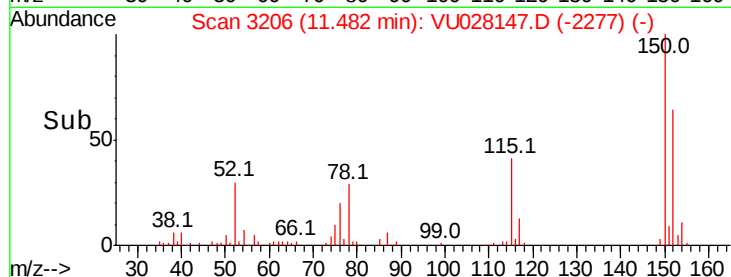
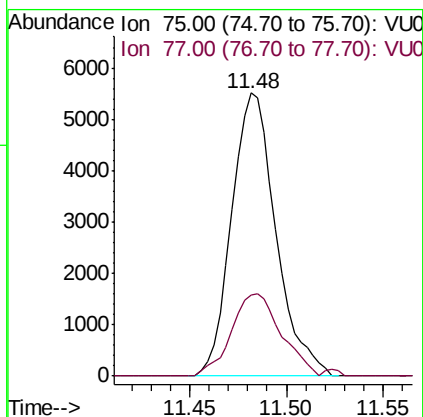
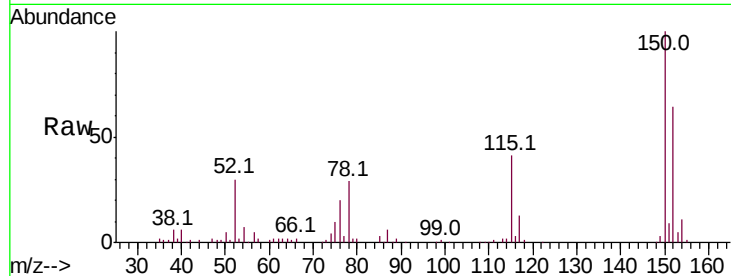




#59
 1,2,3-Trichloropropane
 Concen: 1.301 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028147.D
 Acq: 15 Nov 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 8765
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.373 ug/L
 RT: 12.48 min Scan# 3516
 Delta R.T. -0.18 min
 Lab File: VU028147.D
 Acq: 15 Nov 2018 02:30

Tgt Ion: 75 Resp: 496
 Ion Ratio Lower Upper
 75 100
 155 0.0 62.8 94.2#
 157 0.0 85.3 127.9#

