

Data File : VU028174.D
Acq On : 15 Nov 2018 16:15
Operator : MD/SY
Sample : J5943-16RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FN2RE

Quant Time: Nov 16 00:50:26 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	174235	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	165648	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76227	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54592	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.68	69	47696	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.28	63	80825	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.20	46	120940	28.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	57.68%
24) Chloroform-d	4.65	84	101680	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.31	65	60147	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.34	84	206234	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	6.33	67	77015	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.57	98	182352	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.85	79	24911	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.31	63	155467	44.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58243	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	62718	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	28225	1.512	ug/L	96
6) Bromomethane	1.63	94	362	0.040	ug/L #	65
8) Chloroethane	1.60	64	17665	1.572	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	635	0.056	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	750	0.065	ug/L #	1
13) Acetone	2.32	43	15633	5.535	ug/L	98
14) Carbon disulfide	2.62	76	1601600	41.229	ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	3748	0.304	ug/L	94
19) 1,1-Dichloroethane	3.45	63	1484	0.057	ug/L #	81
22) cis-1,2-Dichloroethene	4.23	96	21654	1.595	ug/L	98
30) Cyclohexane	5.00	56	3968	0.151	ug/L	98
33) Benzene	5.39	78	12242	0.219	ug/L	100
34) Trichloroethene	6.20	95	714	0.052	ug/L	92
37) 1,2-Dichloropropane	6.33	63	7723	0.500	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1849	0.089	ug/L #	70
42) Toluene	7.65	91	2841	0.049	ug/L	88
45) 1,1,2-Trichloroethane	8.05	97	2168	0.233	ug/L #	23

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

Data File : VU028174.D
Acq On : 15 Nov 2018 16:15
Operator : MD/SY
Sample : J5943-16RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FN2RE

Quant Time: Nov 16 00:50:26 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

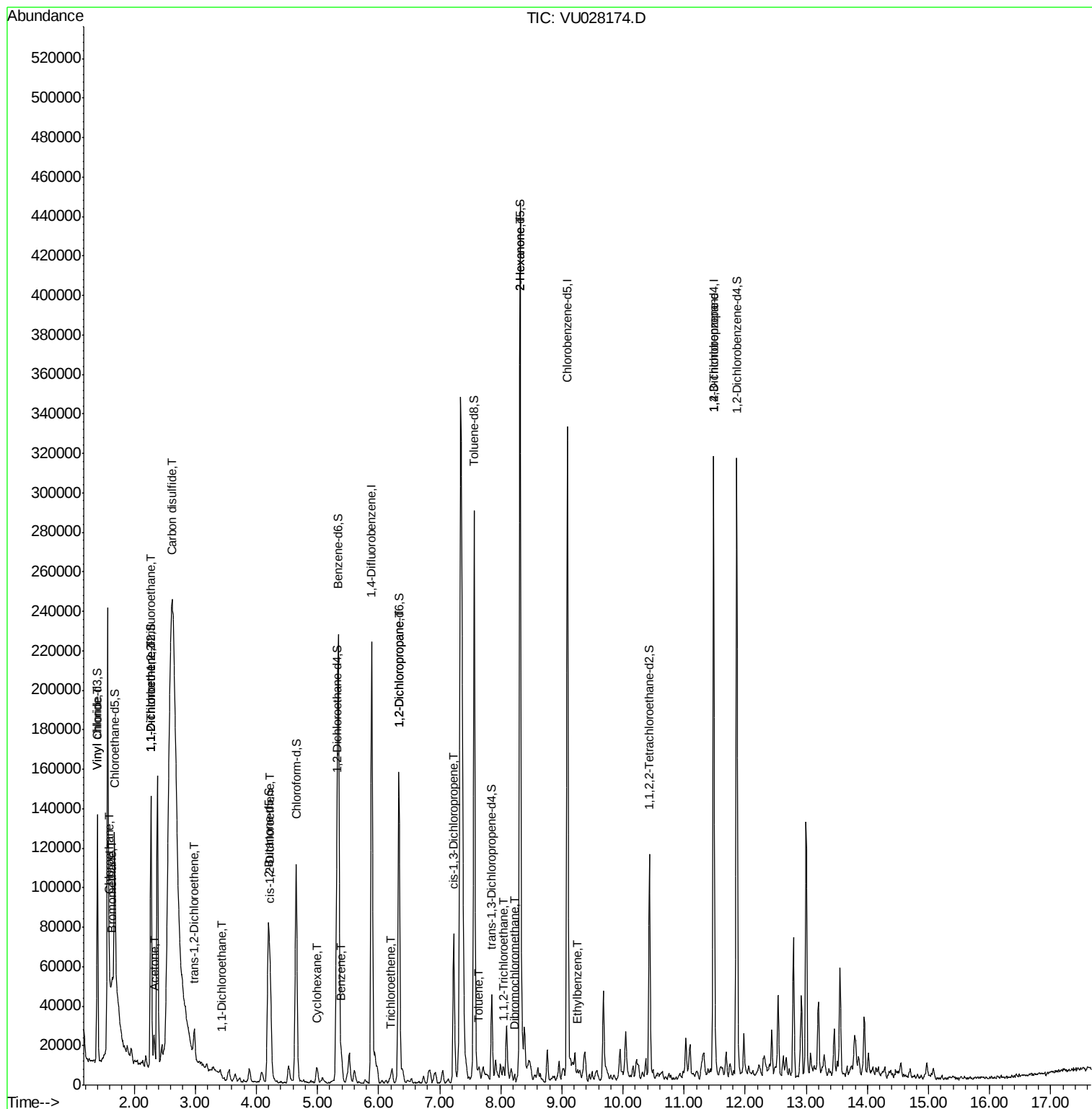
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.31	43	19539	2.584	ug/L #	66
49) Dibromochloromethane	8.22	129	827	0.083	ug/L #	11
52) Ethylbenzene	9.25	91	2805	0.045	ug/L	84
59) 1,2,3-Trichloropropane	11.48	75	10247	1.182	ug/L #	87

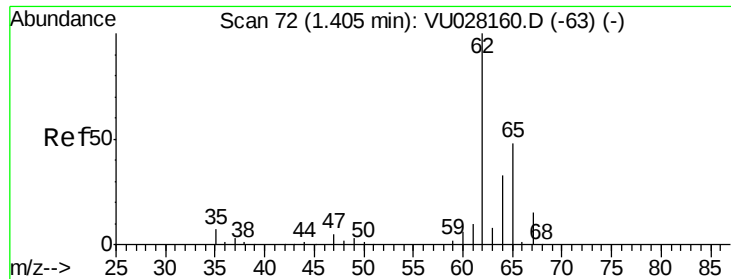
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU028174.D
Acq On : 15 Nov 2018 16:15
Operator : MD/SY
Sample : J5943-16RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FN2RE

Quant Time: Nov 16 00:50:26 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





#5

Vinyl chloride

Concen: 1.512 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

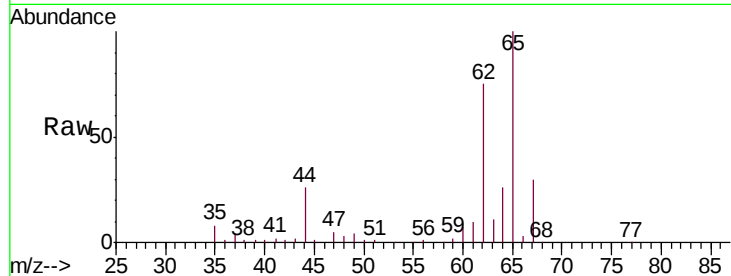
H0FN2RE

Tgt Ion: 62 Resp: 28225

Ion Ratio Lower Upper

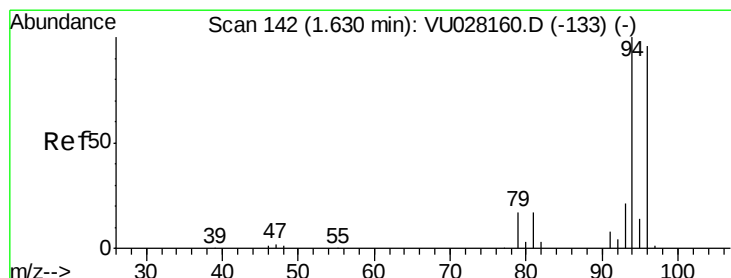
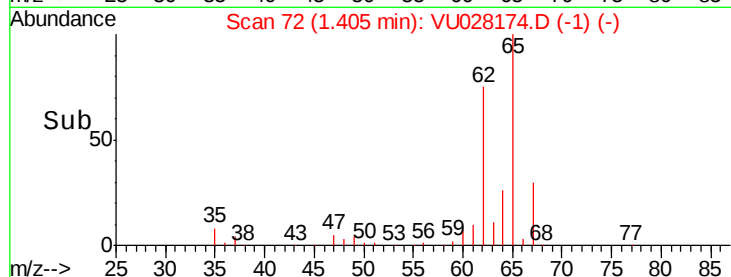
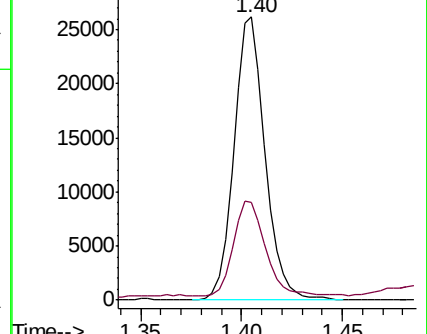
62 100

64 34.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.040 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU028174.D

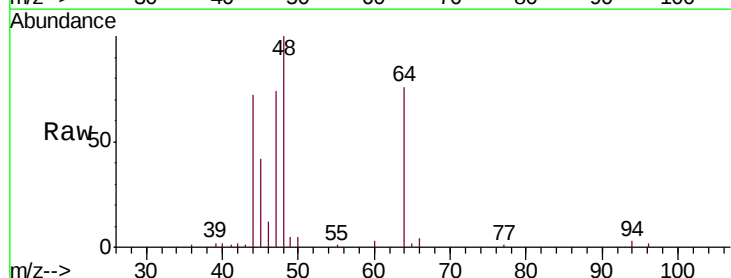
Acq: 15 Nov 2018 16:15

Tgt Ion: 94 Resp: 362

Ion Ratio Lower Upper

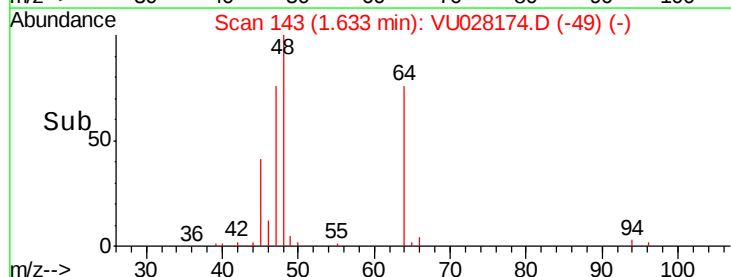
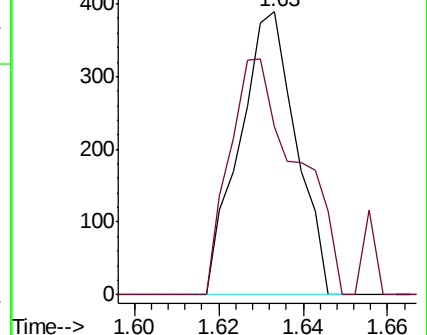
94 100

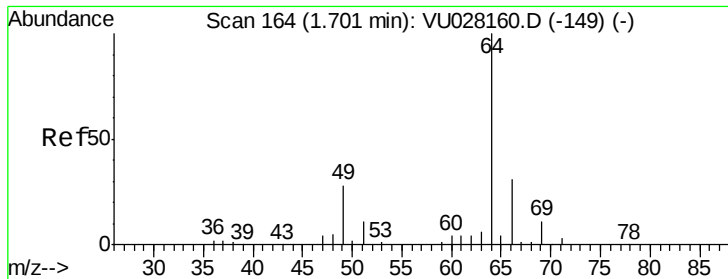
96 59.4 65.1 120.9#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.572 ug/L

RT: 1.60 min Scan# 132

Delta R.T. -0.10 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

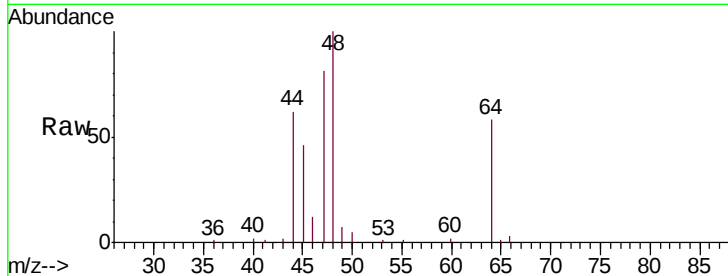
H0FN2RE

Tgt Ion: 64 Resp: 17665

Ion Ratio Lower Upper

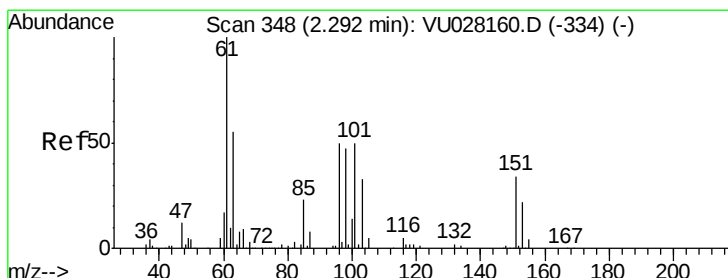
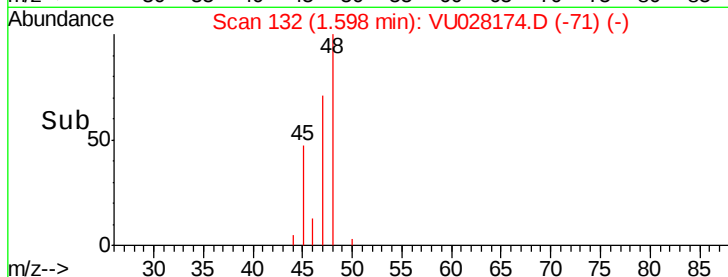
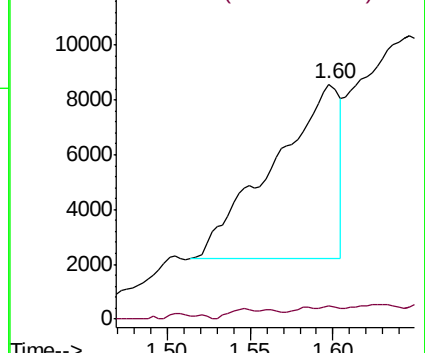
64 100

66 5.5 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU028174.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VU028174.D (-149) (-)



#10

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

Concen: 0.056 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

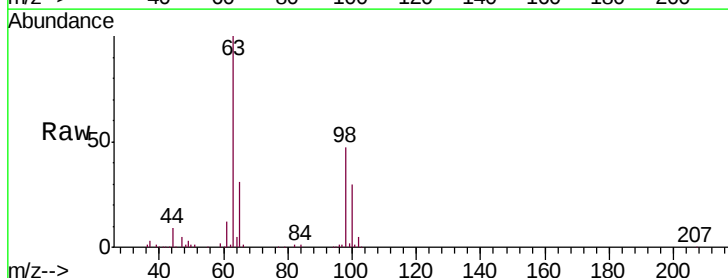
Tgt Ion: 101 Resp: 635

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

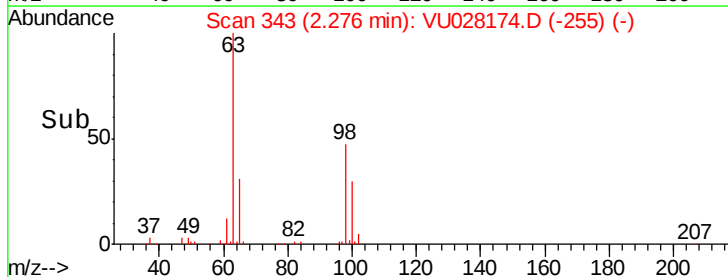
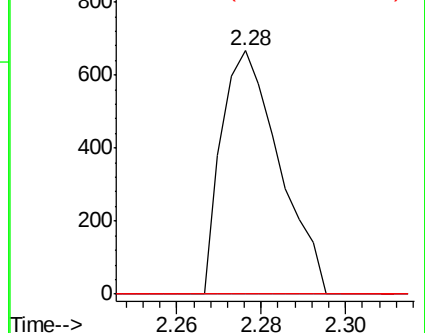
151 0.0 58.2 87.2#

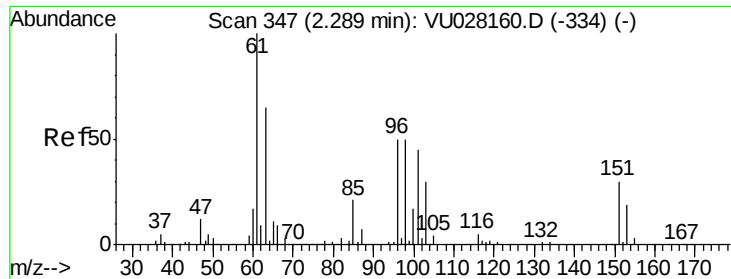


Abundance Ion 101.00 (100.70 to 101.70): VU028174.D (-334) (-)

Ion 85.00 (84.70 to 85.70): VU028174.D (-334) (-)

Ion 151.00 (150.70 to 151.70): VU028174.D (-334) (-)





#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

H0FN2RE

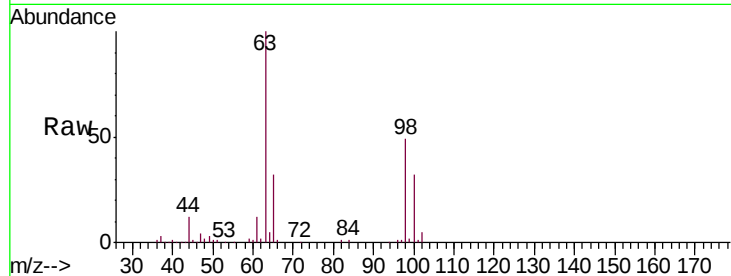
Tgt Ion: 96 Resp: 750

Ion Ratio Lower Upper

96 100

61 1243.9 134.8 250.3#

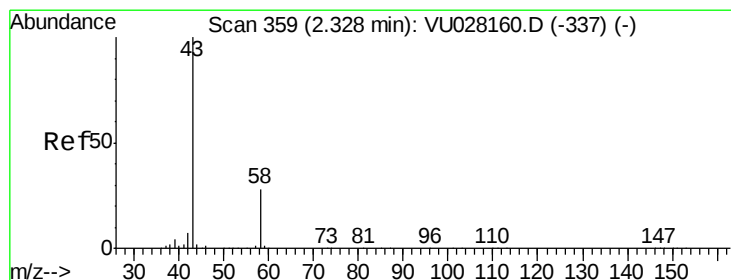
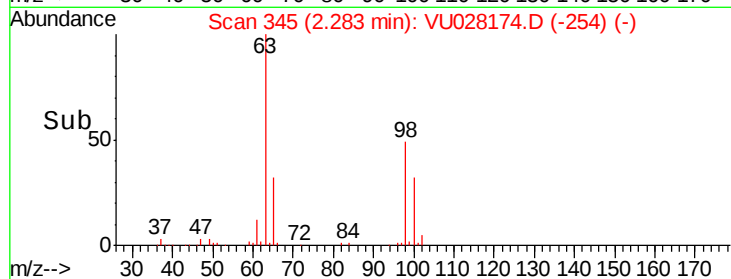
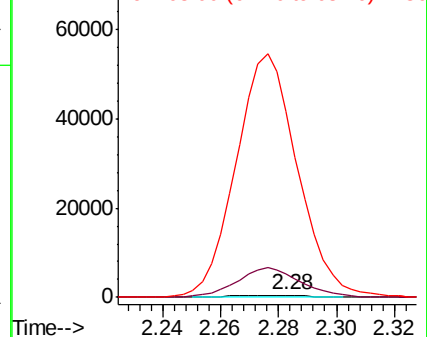
63 10135.9 100.1 185.9#



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: 5.535 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028174.D

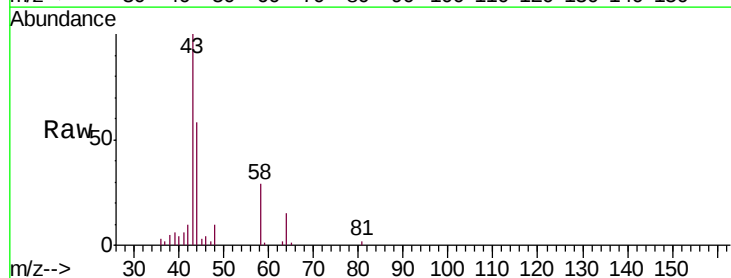
Acq: 15 Nov 2018 16:15

Tgt Ion: 43 Resp: 15633

Ion Ratio Lower Upper

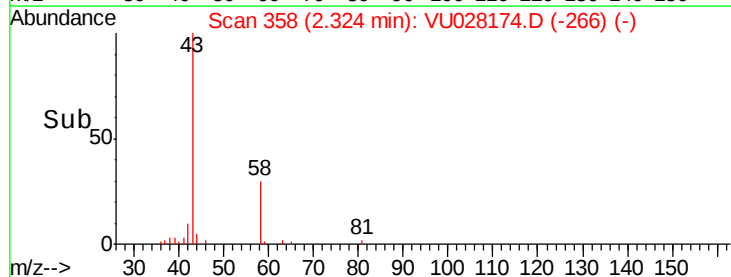
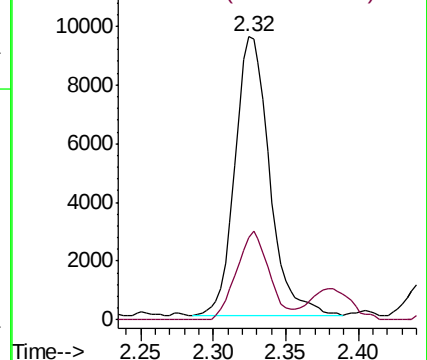
43 100

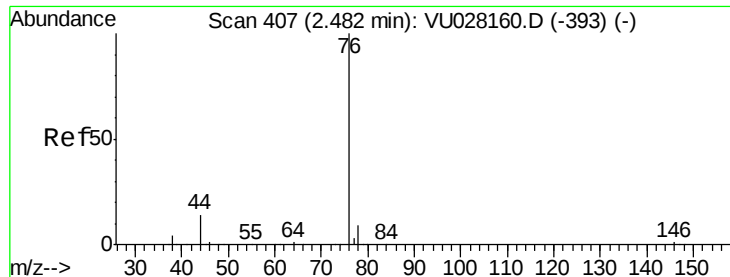
58 30.0 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 41.229 ug/L

RT: 2.62 min Scan# 450

Delta R.T. 0.14 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

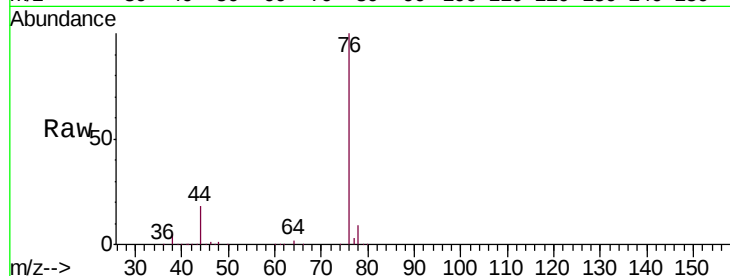
H0FN2RE

Tgt Ion: 76 Resp: 1601600

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU028174.D (-450) (-)

Ion 78.00 (77.70 to 78.70): VU028174.D (-450) (-)

200000

150000

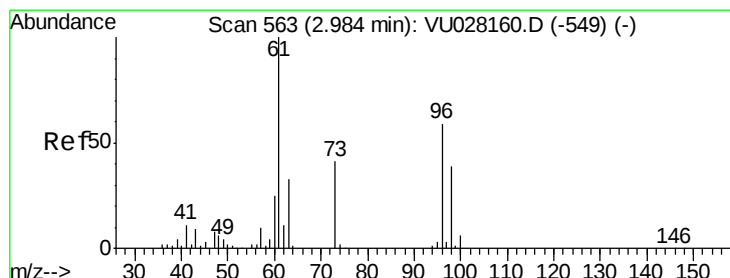
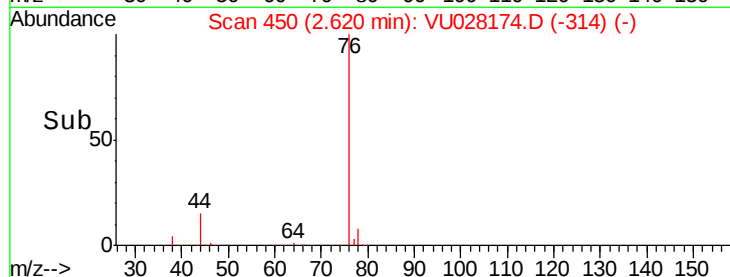
100000

50000

0

2.40 2.60 2.80

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.304 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

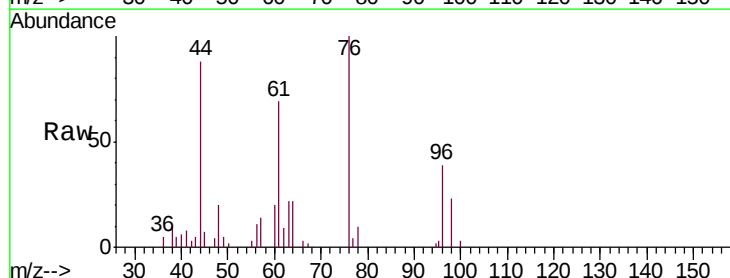
Tgt Ion: 96 Resp: 3748

Ion Ratio Lower Upper

96 100

61 175.8 118.5 220.1

98 57.3 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU028174.D (-470) (-)

Ion 61.05 (60.75 to 61.75): VU028174.D (-470) (-)

Ion 97.95 (97.65 to 98.65): VU028174.D (-470) (-)

5000

4000

3000

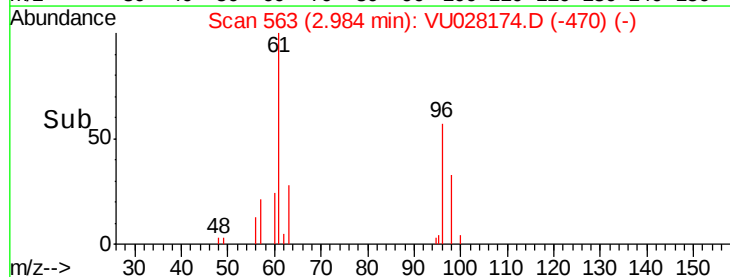
2000

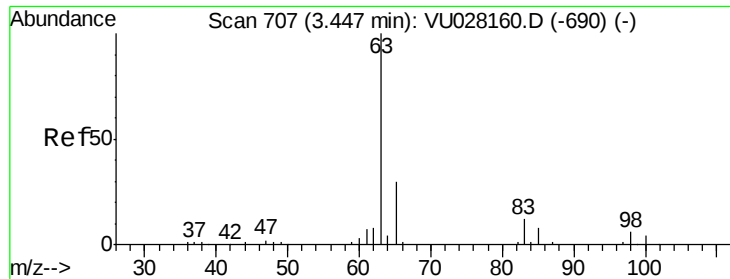
1000

0

2.95 3.00

Time-->

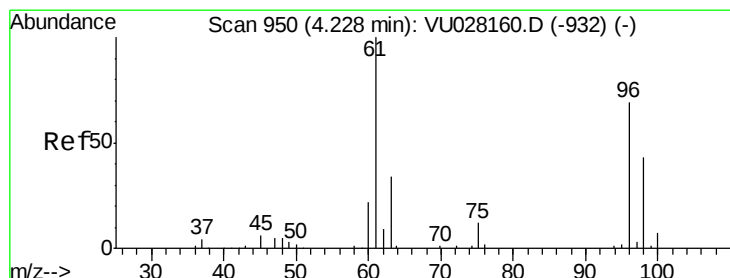
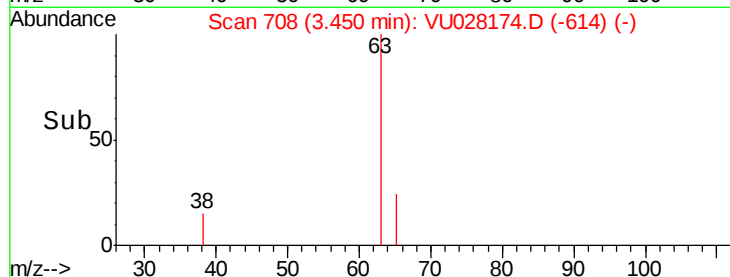
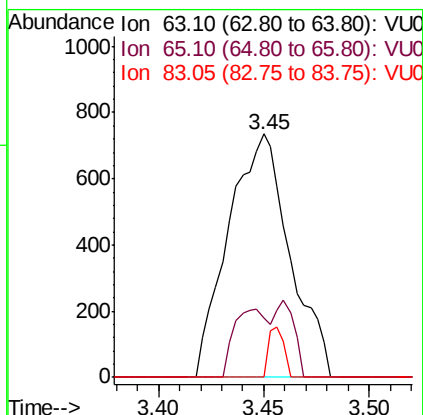
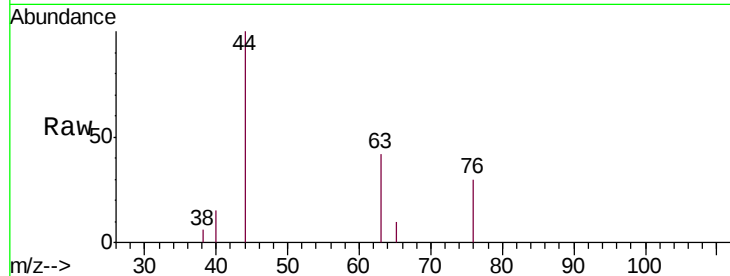




#19
 1,1-Dichloroethane
 Concen: 0.057 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU028174.D
 Acq: 15 Nov 2018 16:15

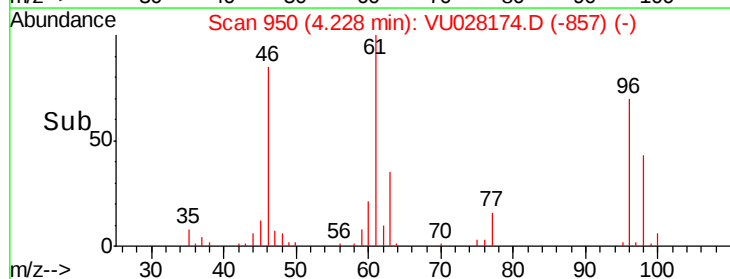
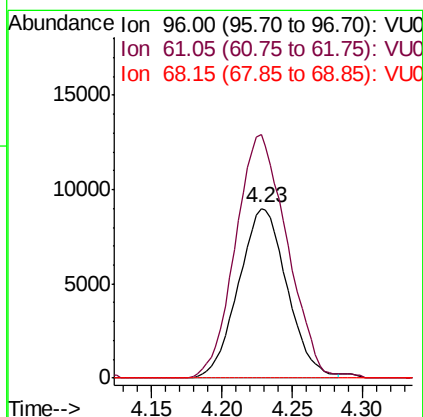
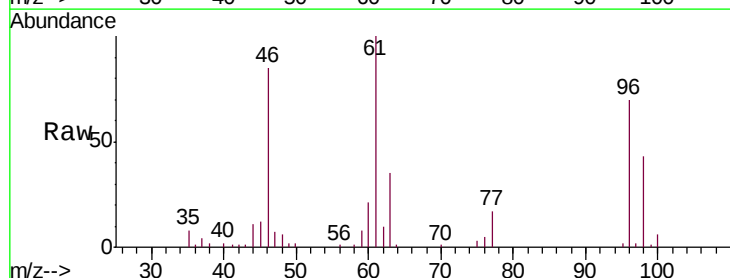
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FN2RE

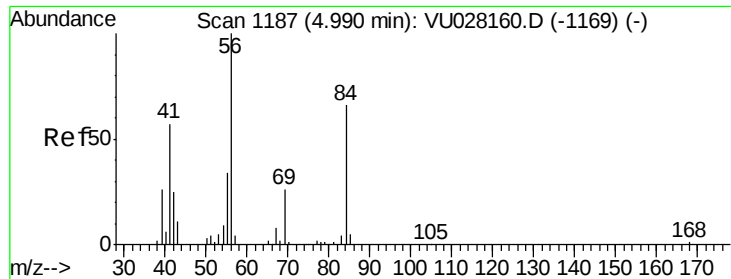
Tgt Ion: 63 Resp: 1484
 Ion Ratio Lower Upper
 63 100
 65 24.3 22.2 41.2
 83 0.0 8.9 16.5#



#22
 cis-1,2-Dichloroethene
 Concen: 1.595 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028174.D
 Acq: 15 Nov 2018 16:15

Tgt Ion: 96 Resp: 21654
 Ion Ratio Lower Upper
 96 100
 61 143.4 101.8 189.0
 68 0.0 0.0 0.0

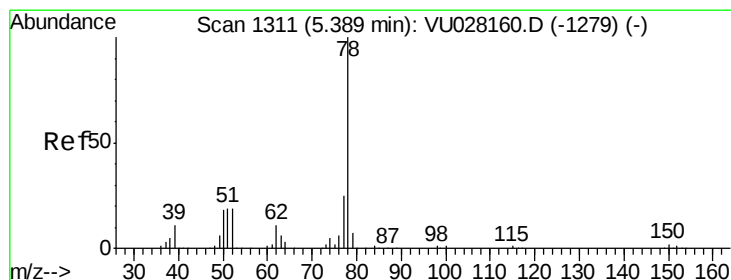
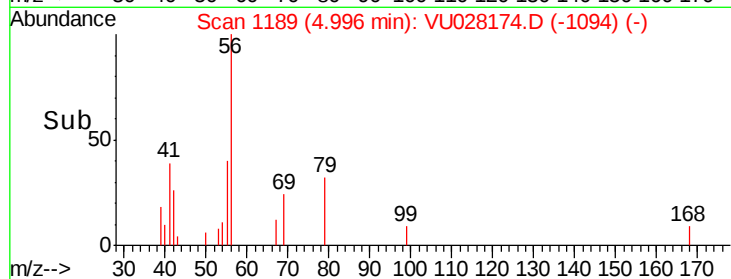
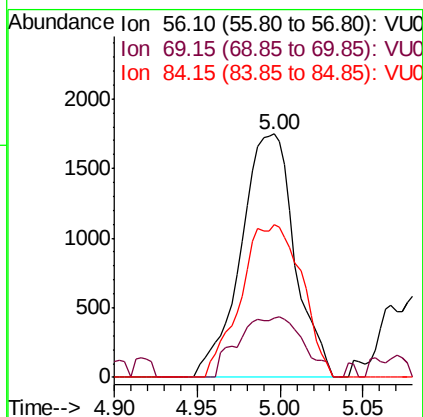
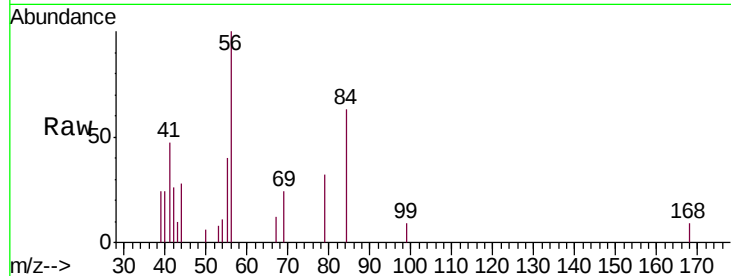




#30
Cyclohexane
Concen: 0.151 ug/L
RT: 5.00 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

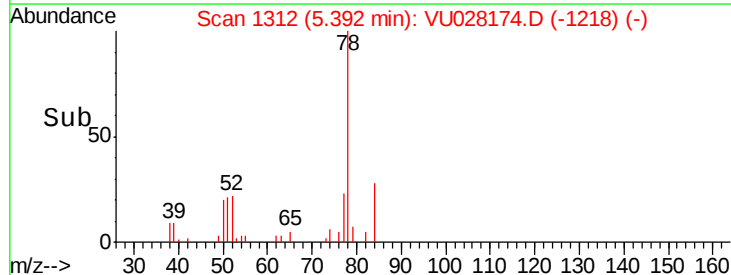
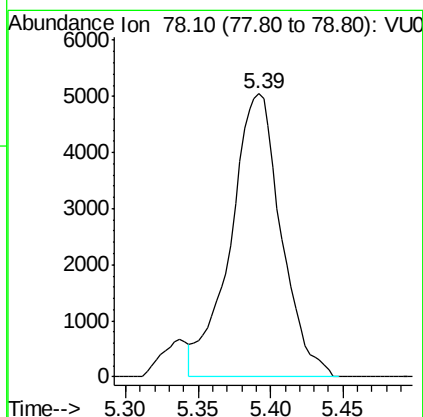
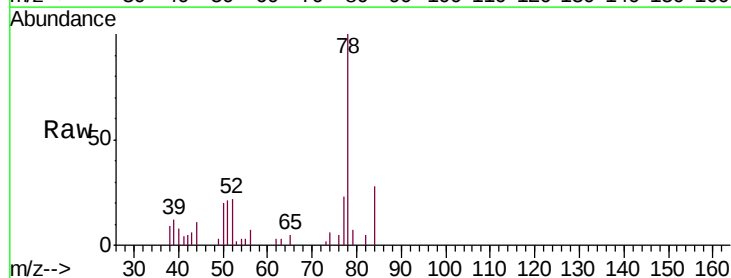
Instrument :
MSVOA_U
ClientSampleId :
H0FN2RE

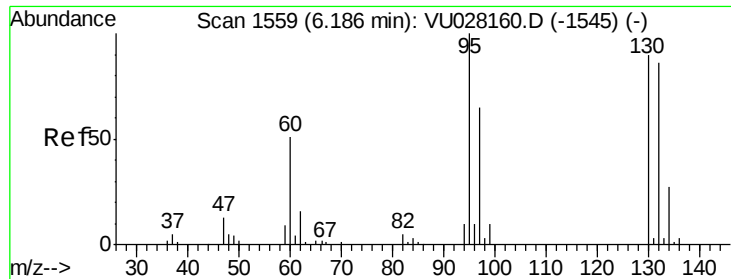
Tgt Ion: 56 Resp: 3968
Ion Ratio Lower Upper
56 100
69 29.9 22.6 33.8
84 70.7 57.7 86.5



#33
Benzene
Concen: 0.219 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

Tgt Ion: 78 Resp: 12242





#34

Trichloroethene

Concen: 0.052 ug/L

RT: 6.20 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

H0FN2RE

Tgt Ion: 95 Resp: 714

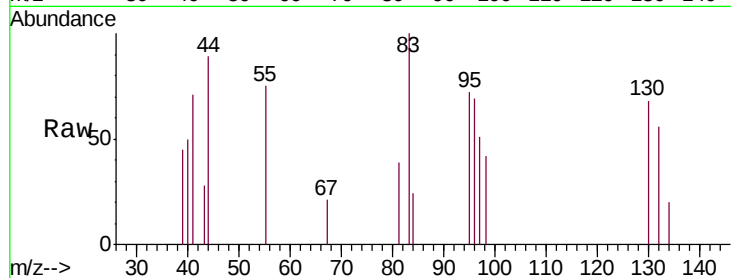
Ion Ratio Lower Upper

95 100

97 71.3 45.3 84.1

132 78.7 63.0 117.0

130 94.5 63.6 118.2

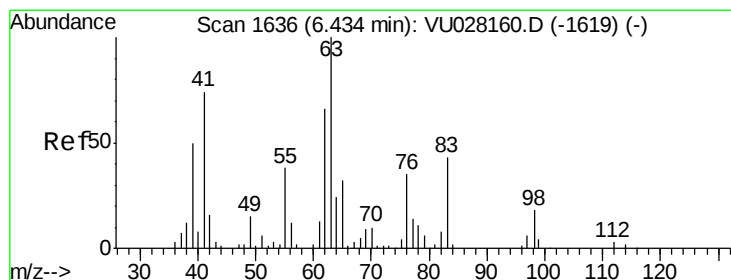
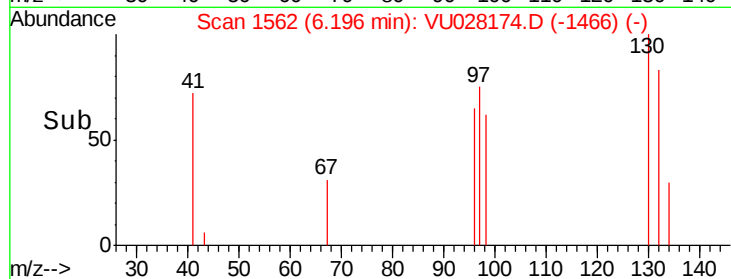
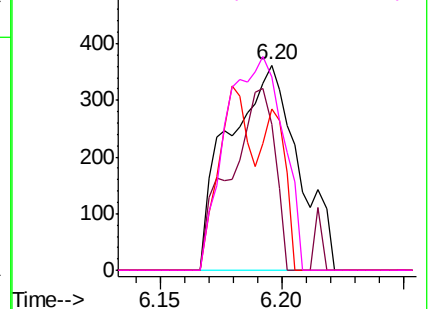


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#37

1,2-Dichloropropane

Concen: 0.500 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028174.D

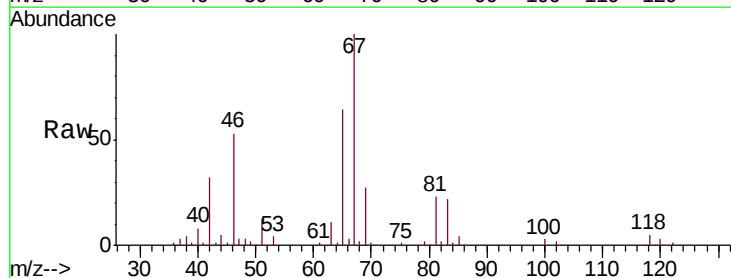
Acq: 15 Nov 2018 16:15

Tgt Ion: 63 Resp: 7723

Ion Ratio Lower Upper

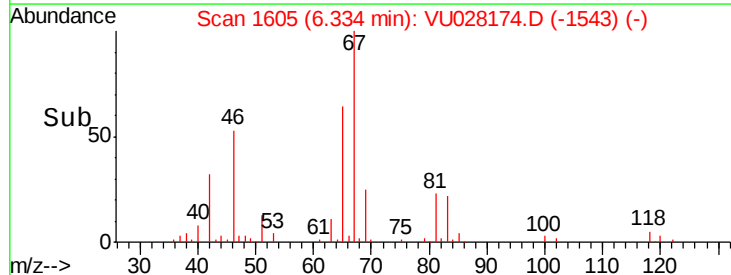
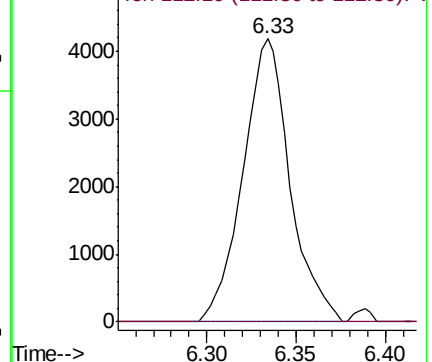
63 100

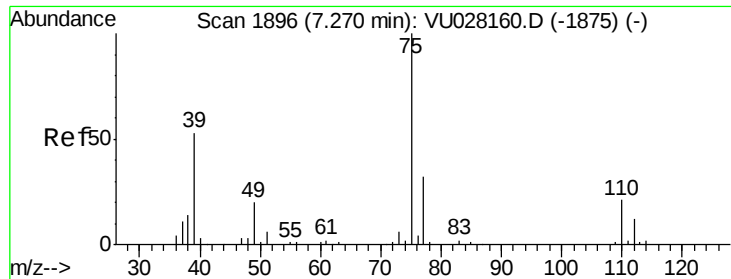
112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



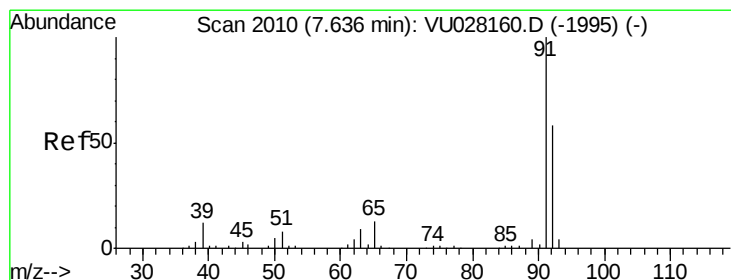
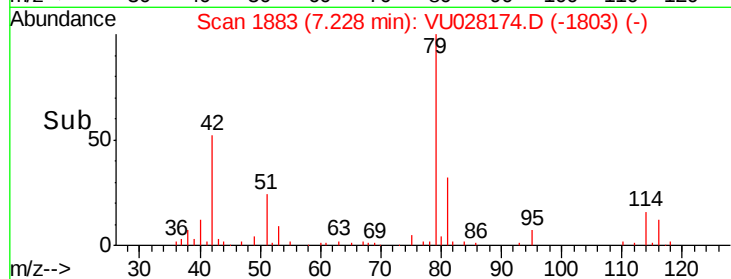
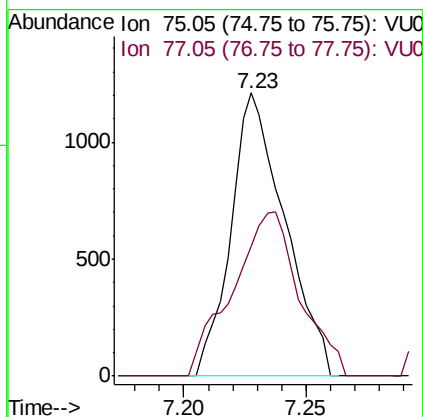
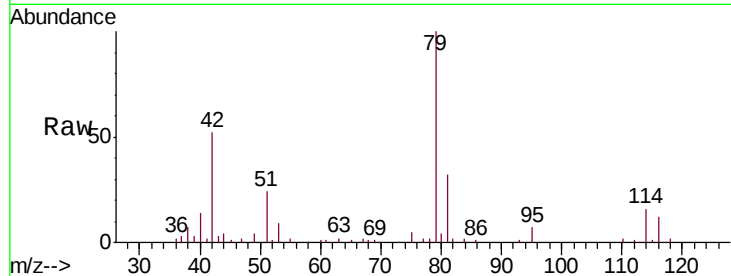


#39

cis-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

Instrument :
MSVOA_U
ClientSampleId :
H0FN2RE

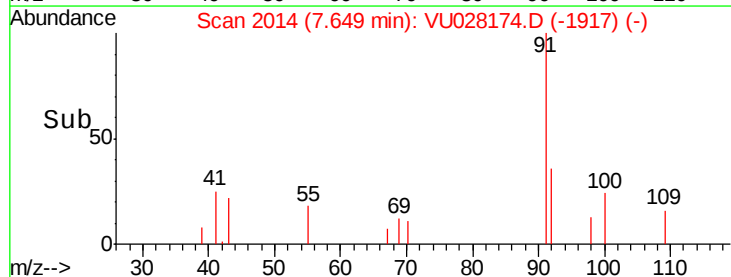
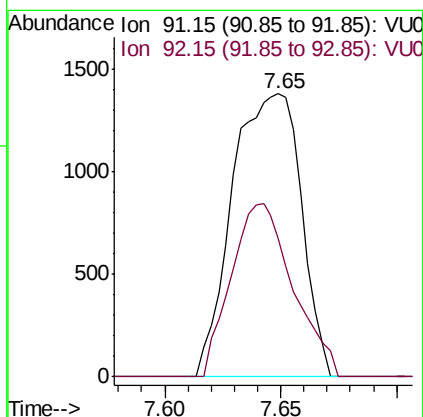
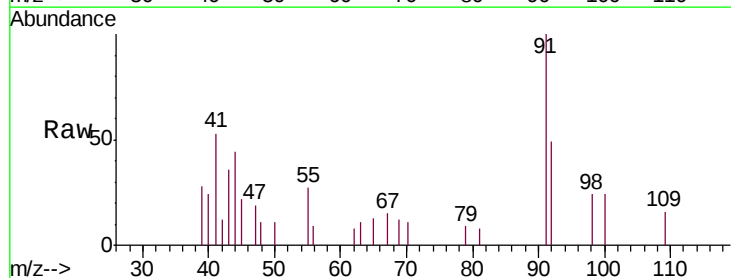
Tgt Ion: 75 Resp: 1849
Ion Ratio Lower Upper
75 100
77 46.1 20.9 38.9#

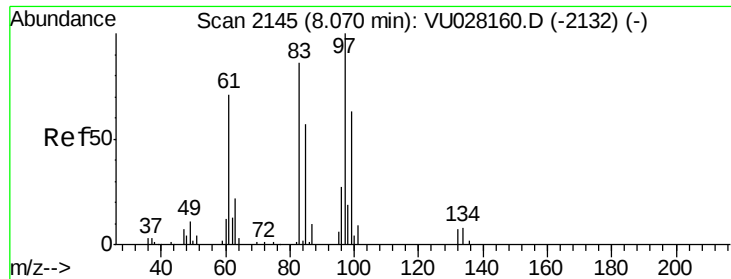


#42

Toluene
Concen: 0.049 ug/L
RT: 7.65 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

Tgt Ion: 91 Resp: 2841
Ion Ratio Lower Upper
91 100
92 49.2 40.7 75.7

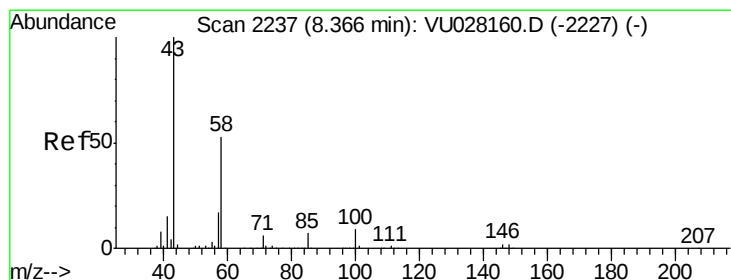
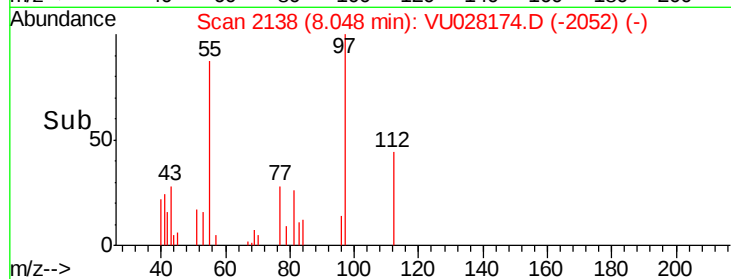
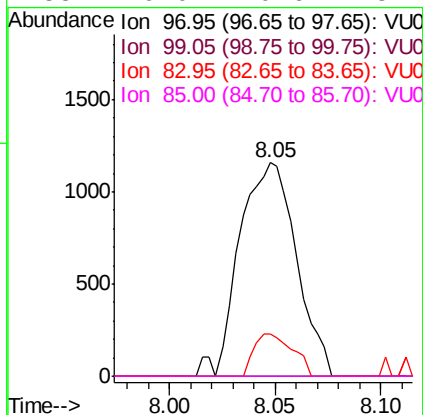
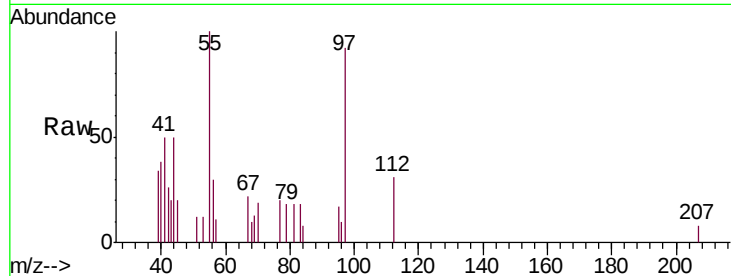




#45
 1,1,2-Trichloroethane
 Concen: 0.233 ug/L
 RT: 8.05 min Scan# 2138
 Delta R.T. -0.02 min
 Lab File: VU028174.D
 Acq: 15 Nov 2018 16:15

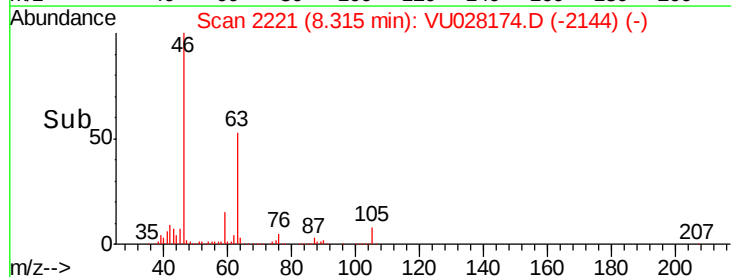
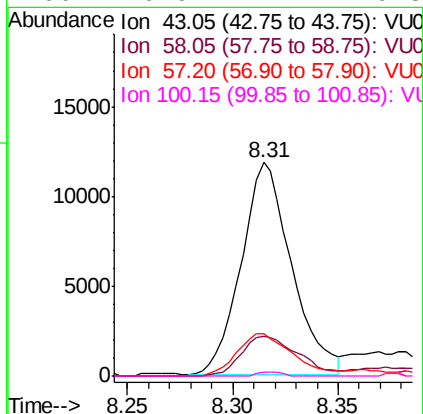
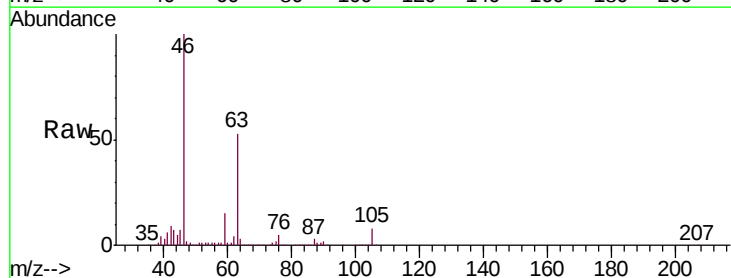
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FN2RE

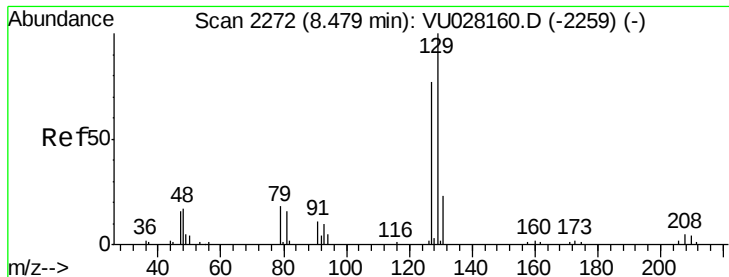
Tgt Ion: 97 Resp: 2168
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.1 78.1#
 83 19.9 63.7 118.3#
 85 0.0 40.6 75.4#



#48
 2-Hexanone
 Concen: 2.584 ug/L
 RT: 8.31 min Scan# 2221
 Delta R.T. -0.05 min
 Lab File: VU028174.D
 Acq: 15 Nov 2018 16:15

Tgt Ion: 43 Resp: 19539
 Ion Ratio Lower Upper
 43 100
 58 21.4 41.7 62.5#
 57 22.3 14.0 21.0#
 100 0.9 7.2 10.8#

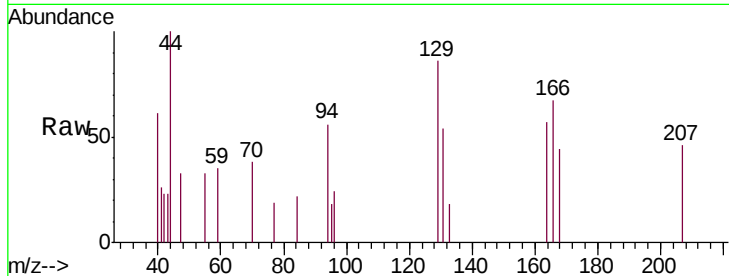




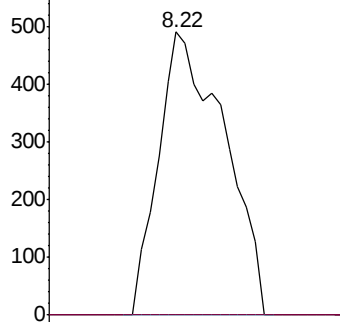
#49
Dibromochloromethane
Concen: 0.083 ug/L
RT: 8.22 min Scan# 2192
Delta R.T. -0.26 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

Instrument :
MSVOA_U
ClientSampleId :
H0FN2RE

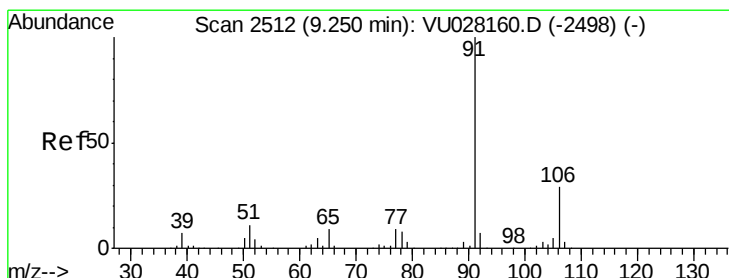
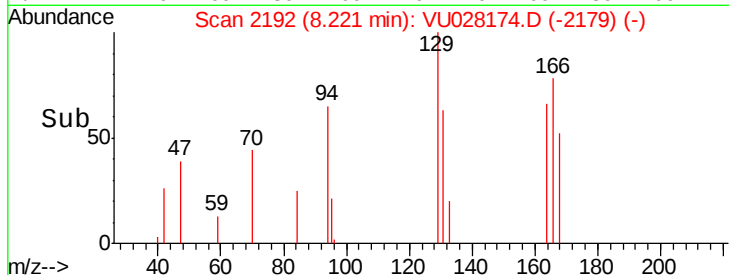
Tgt Ion:129 Resp: 827
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



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

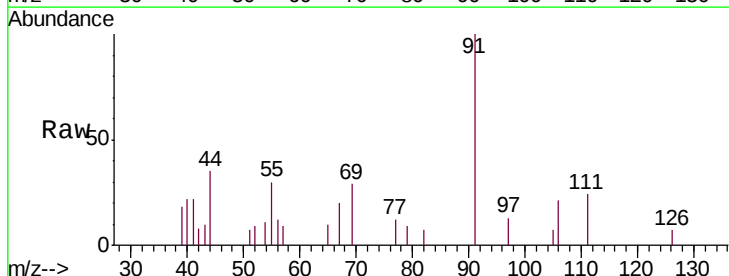


Time-->

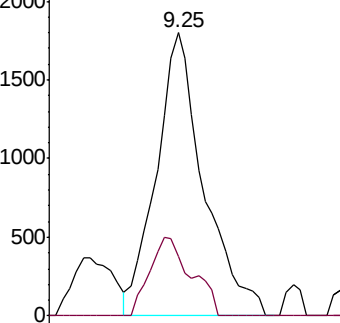


#52
Ethylbenzene
Concen: 0.045 ug/L
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU028174.D
Acq: 15 Nov 2018 16:15

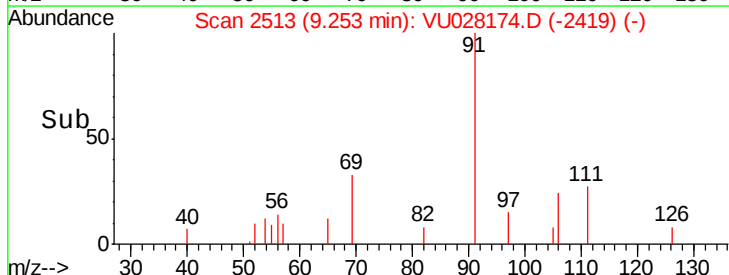
Tgt Ion: 91 Resp: 2805
Ion Ratio Lower Upper
91 100
106 21.0 20.9 38.7

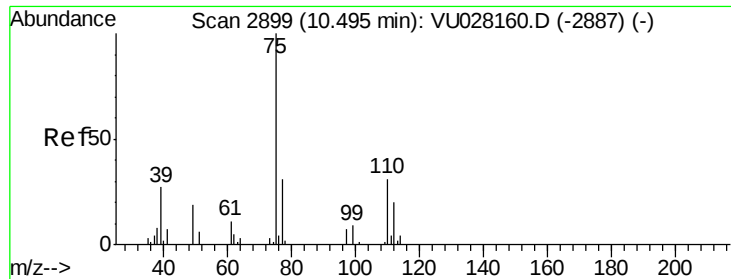


Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 106.15 (105.85 to 106.85): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 1.182 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028174.D

Acq: 15 Nov 2018 16:15

Instrument :

MSVOA_U

ClientSampleId :

H0FN2RE

Tgt Ion: 75 Resp: 10247

Ion Ratio Lower Upper

75 100

77 39.1 25.4 38.0#

