

Data File : VU028163.D
Acq On : 15 Nov 2018 10:54
Operator : MD/SY
Sample : J5943-15DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FN1DL

Quant Time: Nov 16 00:47:10 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	133628	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	125868	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54770	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45170	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.68	69	39178	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.28	63	67021	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.19	46	159252	49.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.04%
24) Chloroform-d	4.65	84	81265	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.31	65	47293	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.34	84	169358	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.33	67	62576	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.57	98	146822	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.85	79	18718	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.31	63	120721	45.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42840	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	49469	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	11489	0.803 ug/L	94
6) Bromomethane	1.63	94	280	0.041 ug/L	100
8) Chloroethane	1.70	64	708	0.082 ug/L #	80
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	423	0.048 ug/L #	20
12) 1,1-Dichloroethene	2.28	96	629	0.071 ug/L #	1
13) Acetone	2.33	43	2529	1.168 ug/L	80
15) Methyl Acetate	2.63	43	821	0.142 ug/L #	58
16) Methylene chloride	2.70	84	3116	0.297 ug/L	89
18) trans-1,2-Dichloroethene	2.98	96	30641	3.244 ug/L	98
19) 1,1-Dichloroethane	3.44	63	894	0.045 ug/L #	79
22) cis-1,2-Dichloroethene	4.23	96	78957	7.581 ug/L	97
25) Chloroform	4.67	83	22706	1.274 ug/L	97
34) Trichloroethene	6.19	95	12381	1.181 ug/L	97
35) Methylcyclohexane	6.33	83	12672	0.703 ug/L #	15
37) 1,2-Dichloropropane	6.33	63	6081	0.519 ug/L #	92
38) Bromodichloromethane	6.76	83	2469	0.198 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1124	0.071 ug/L #	47

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

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Response via : Initial Calibration

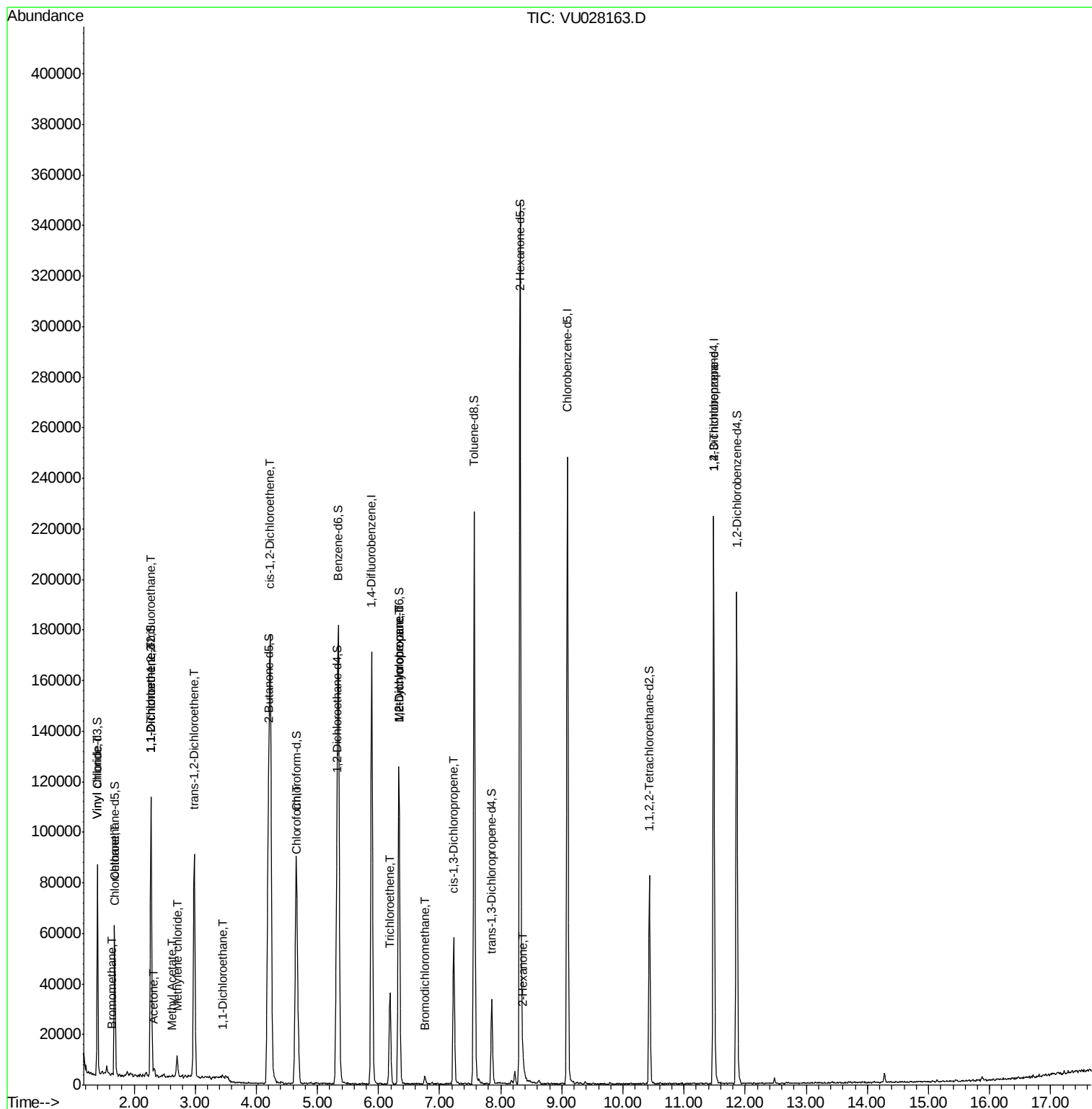
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.37	43	1748	0.304	ug/L #	91
59) 1,2,3-Trichloropropane	11.48	75	7891	1.198	ug/L	92

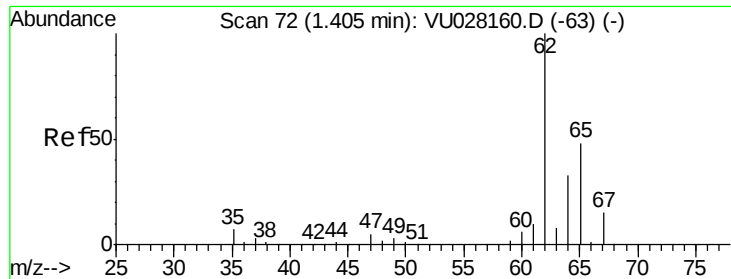
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#5

Vinyl chloride

Concen: 0.803 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028163.D

Acq: 15 Nov 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

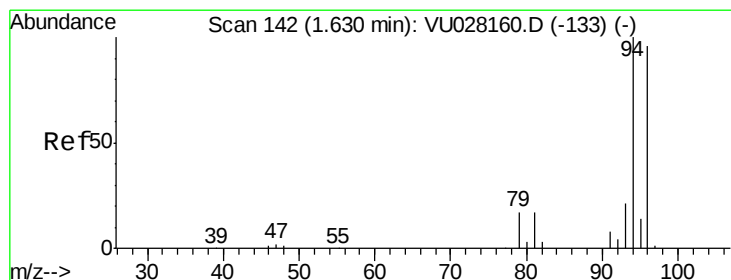
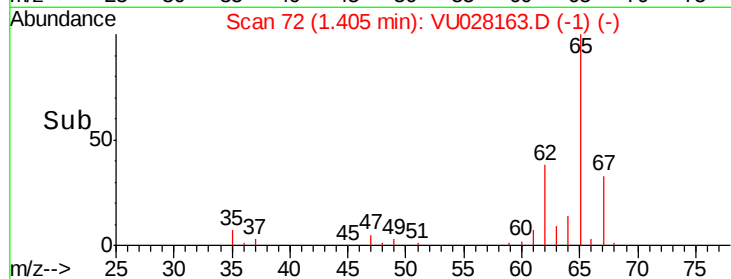
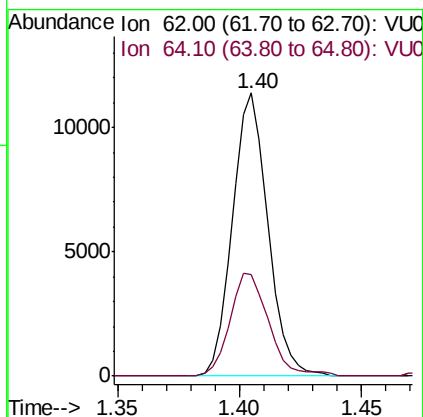
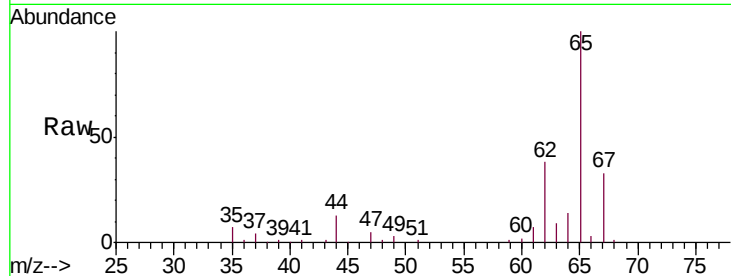
H0FN1DL

Tgt Ion: 62 Resp: 11489

Ion Ratio Lower Upper

62 100

64 36.0 22.7 42.3



#6

Bromomethane

Concen: 0.041 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028163.D

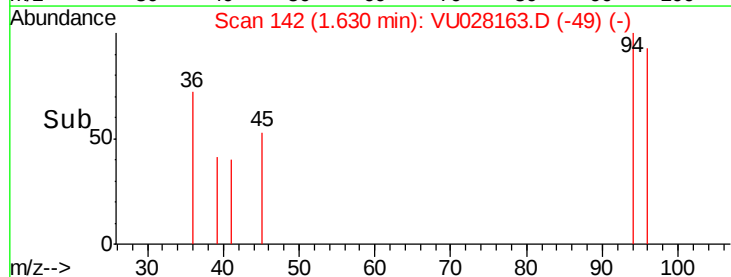
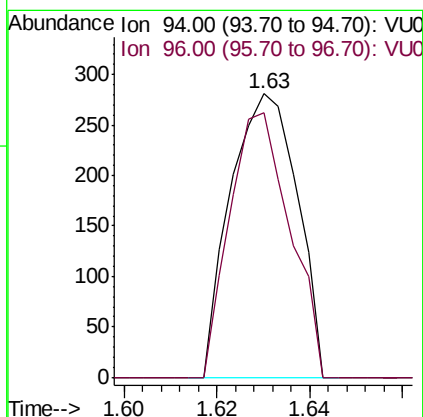
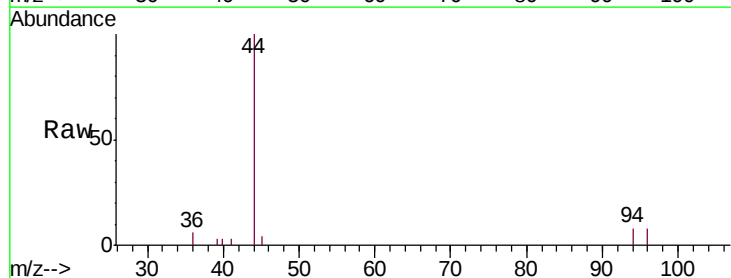
Acq: 15 Nov 2018 10:54

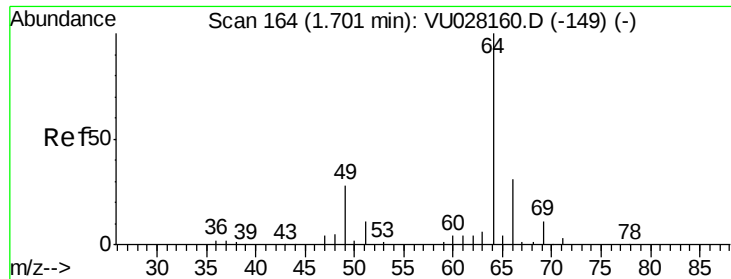
Tgt Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 93.2 65.1 120.9





#8

Chloroethane

Concen: 0.082 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU028163.D

Acq: 15 Nov 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

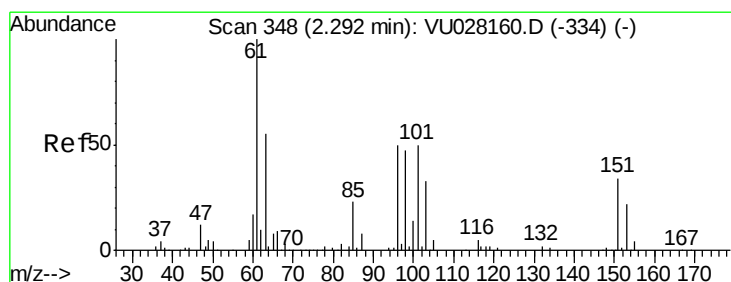
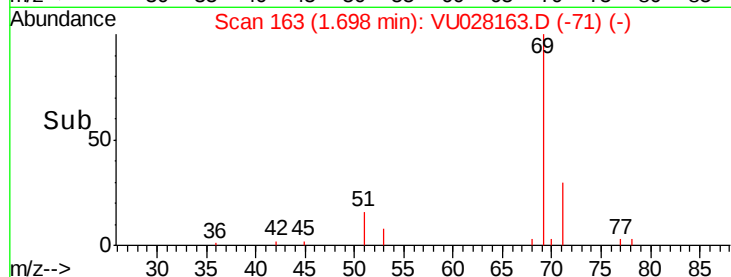
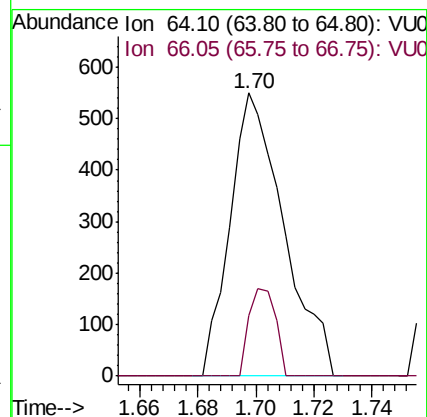
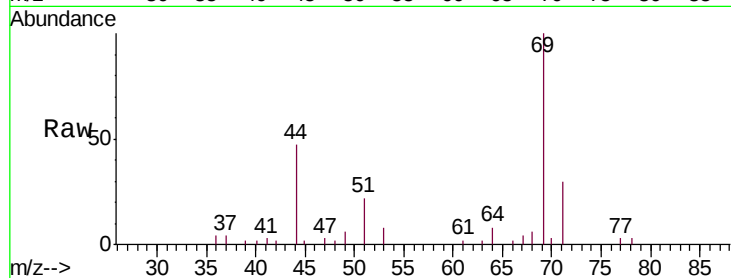
H0FN1DL

Tgt Ion: 64 Resp: 708

Ion Ratio Lower Upper

64 100

66 21.5 23.1 42.9#



#10

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

Concen: 0.048 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028163.D

Acq: 15 Nov 2018 10:54

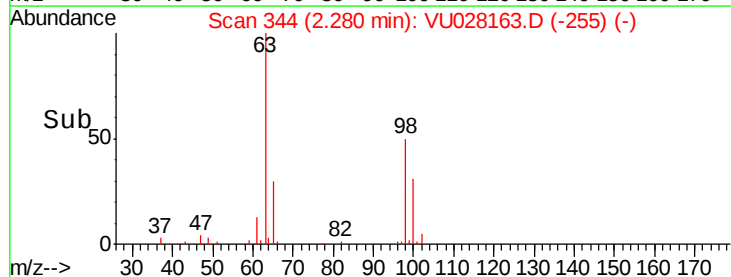
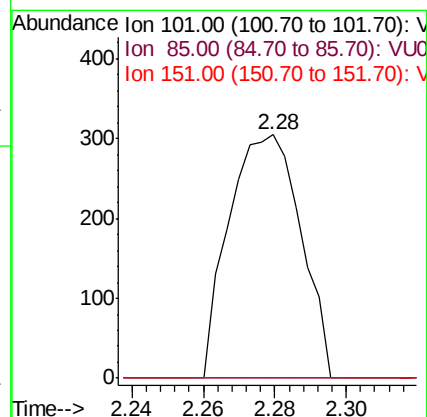
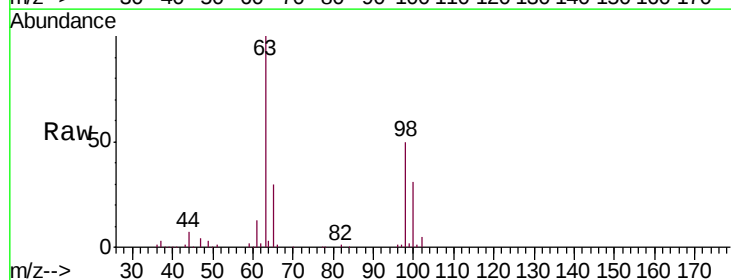
Tgt Ion: 101 Resp: 423

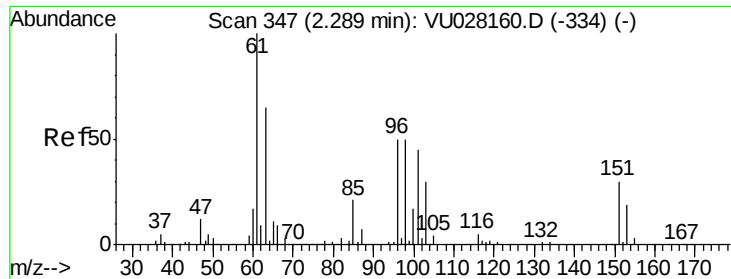
Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

151 0.0 58.2 87.2#

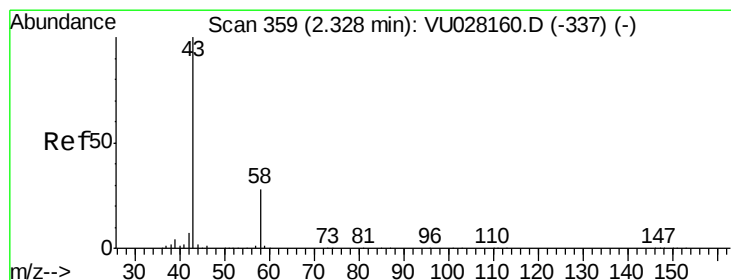
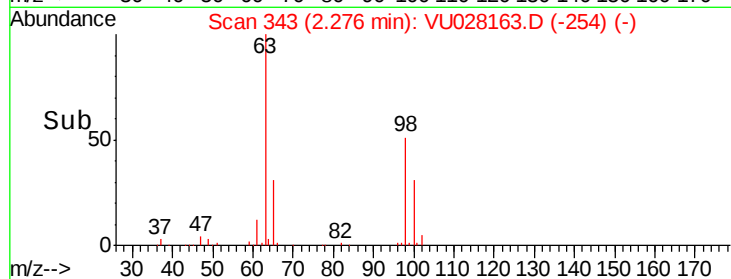
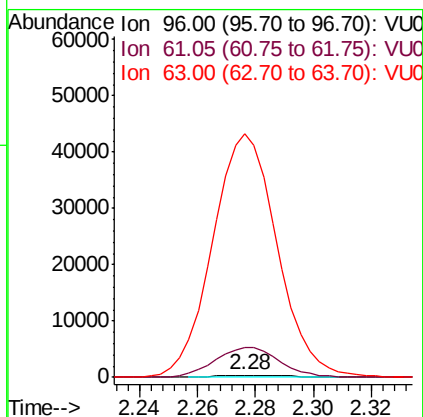
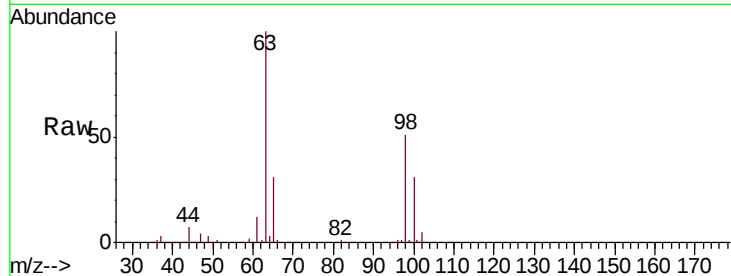




#12
 1,1-Dichloroethene
 Concen: 0.071 ug/L
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU028163.D
 Acq: 15 Nov 2018 10:54

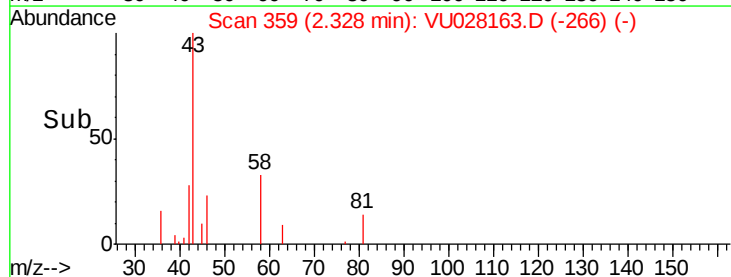
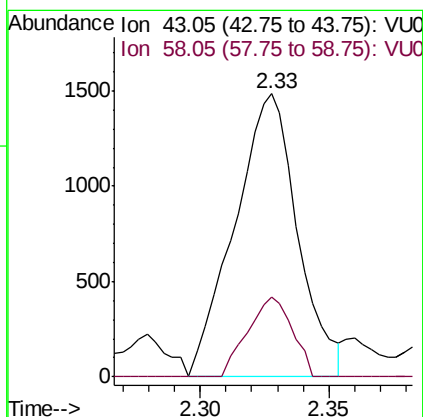
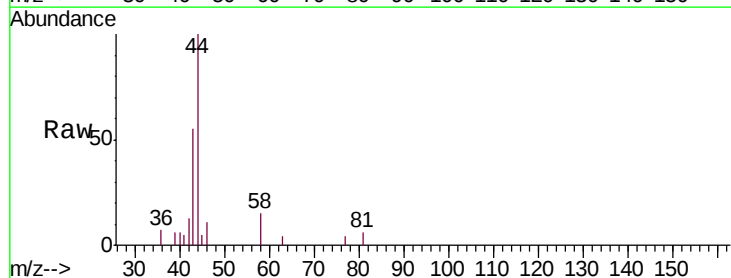
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FN1DL

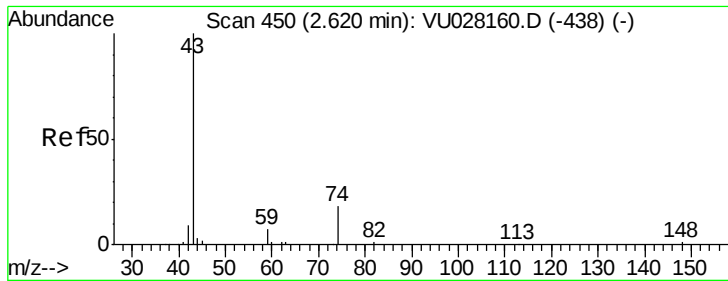
Tgt Ion: 96 Resp: 629
 Ion Ratio Lower Upper
 96 100
 61 1597.9 134.8 250.3#
 63 12795.3 100.1 185.9#



#13
 Acetone
 Concen: 1.168 ug/L
 RT: 2.33 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VU028163.D
 Acq: 15 Nov 2018 10:54

Tgt Ion: 43 Resp: 2529
 Ion Ratio Lower Upper
 43 100
 58 20.0 0.0 61.6

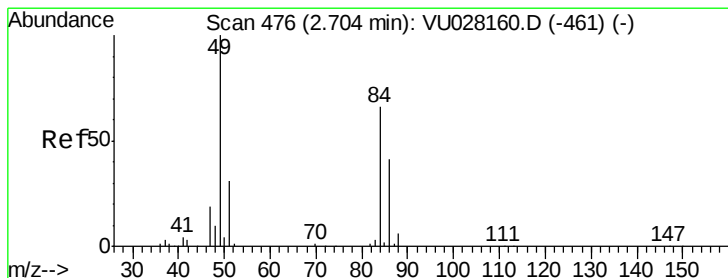
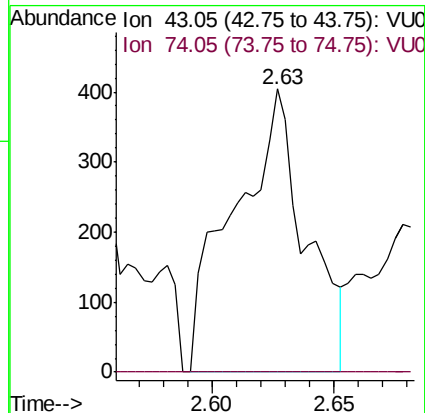
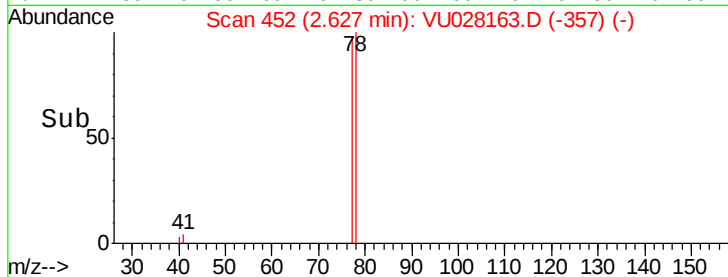
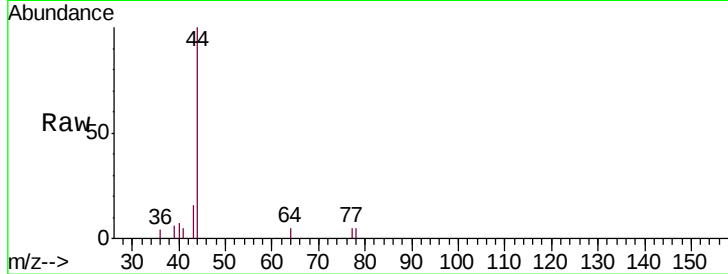




#15
Methyl Acetate
Concen: 0.142 ug/L
RT: 2.63 min Scan# 452
Delta R.T. 0.01 min
Lab File: VU028163.D
Acq: 15 Nov 2018 10:54

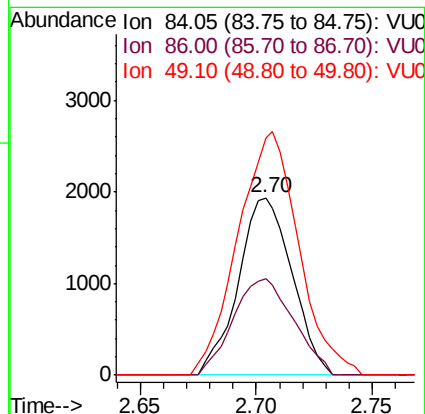
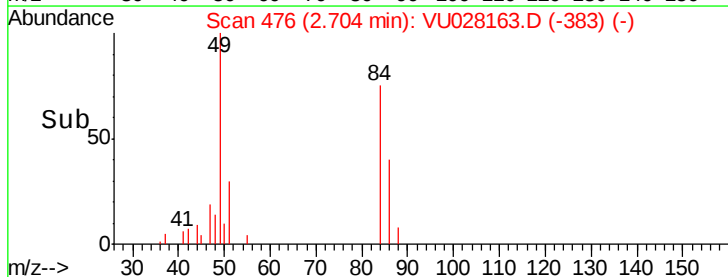
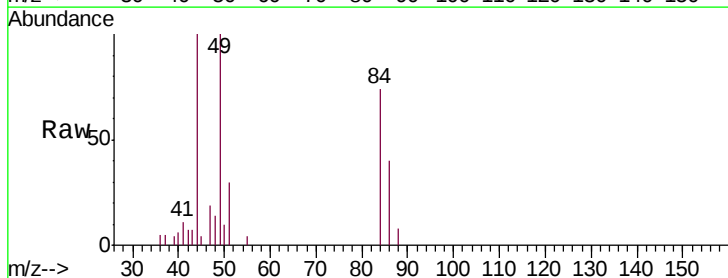
Instrument :
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ClientSampleId :
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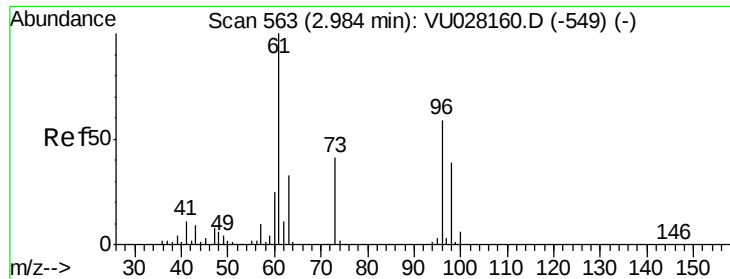
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 0.0 14.9 22.3#



#16
Methylene chloride
Concen: 0.297 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028163.D
Acq: 15 Nov 2018 10:54

Tgt Ion: 84 Resp: 3116
Ion Ratio Lower Upper
84 100
86 54.1 44.6 82.8
49 133.9 102.5 190.3

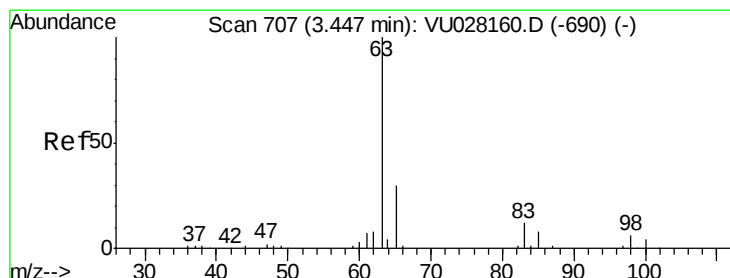
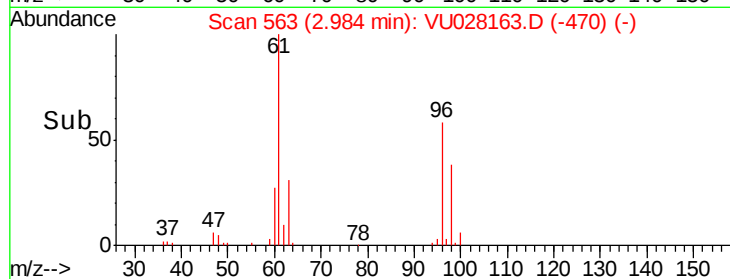
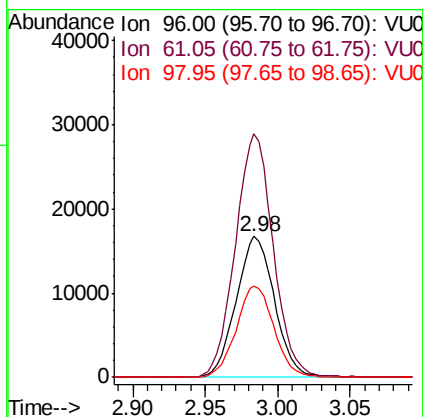
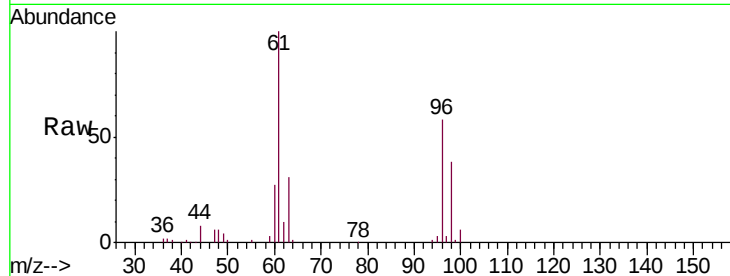




#18
trans-1,2-Dichloroethene
Concen: 3.244 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028163.D
Acq: 15 Nov 2018 10:54

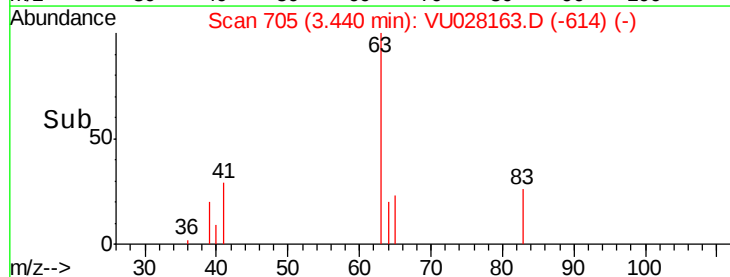
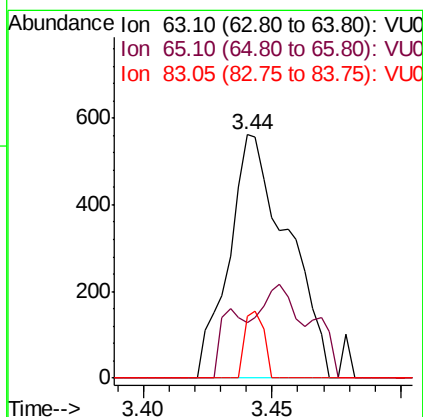
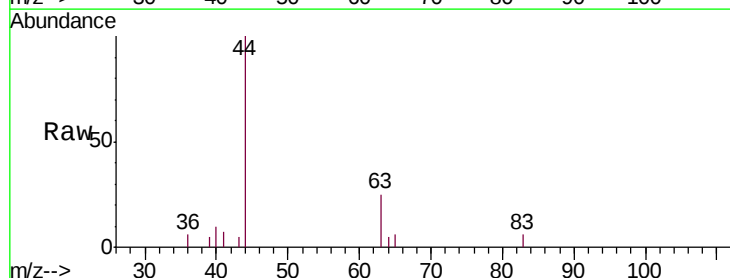
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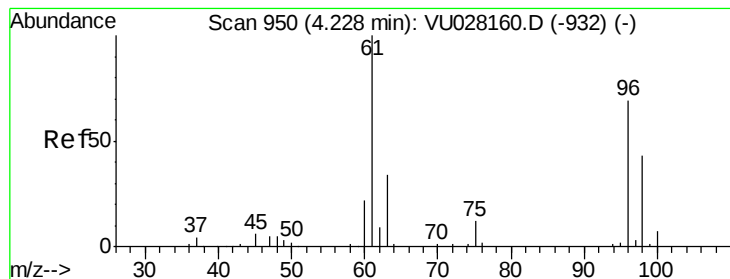
Tgt Ion: 96 Resp: 30641
Ion Ratio Lower Upper
96 100
61 172.6 118.5 220.1
98 64.9 44.9 83.5



#19
1,1-Dichloroethane
Concen: 0.045 ug/L
RT: 3.44 min Scan# 705
Delta R.T. -0.01 min
Lab File: VU028163.D
Acq: 15 Nov 2018 10:54

Tgt Ion: 63 Resp: 894
Ion Ratio Lower Upper
63 100
65 22.8 22.2 41.2
83 25.6 8.9 16.5#





#22

cis-1,2-Dichloroethene

Concen: 7.581 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028163.D

Acq: 15 Nov 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

H0FN1DL

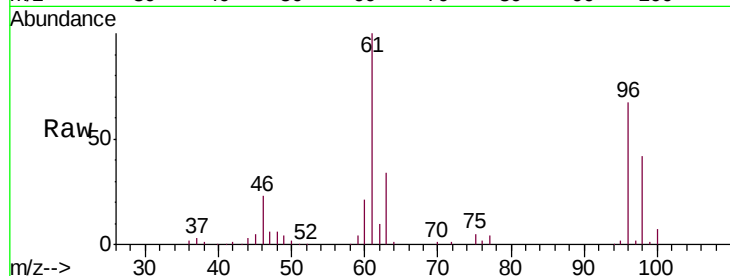
Tgt Ion: 96 Resp: 78957

Ion Ratio Lower Upper

96 100

61 149.1 101.8 189.0

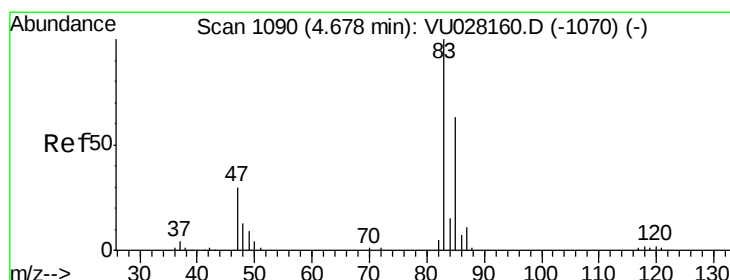
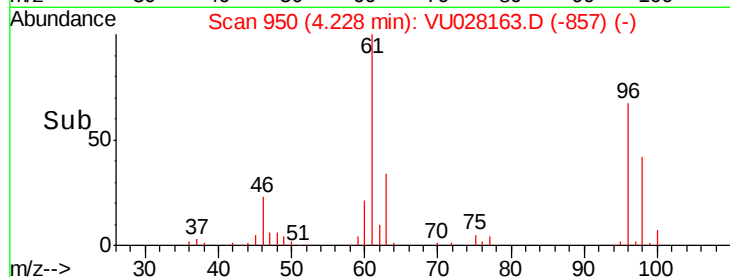
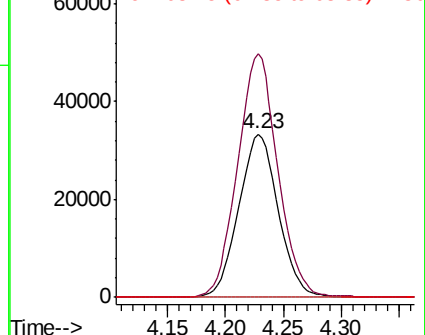
68 0.0 0.0 0.0



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: 1.274 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU028163.D

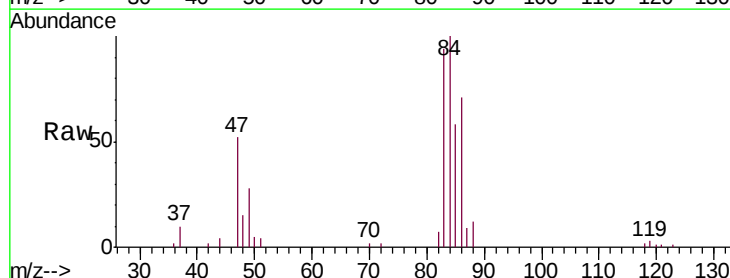
Acq: 15 Nov 2018 10:54

Tgt Ion: 83 Resp: 22706

Ion Ratio Lower Upper

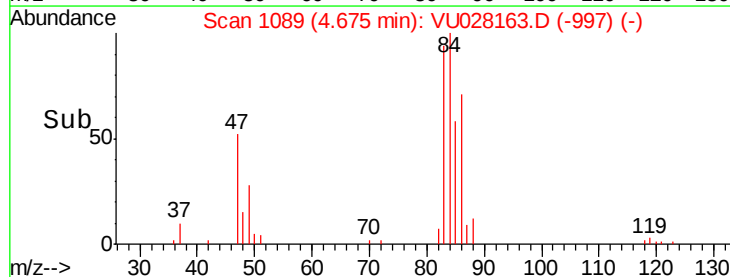
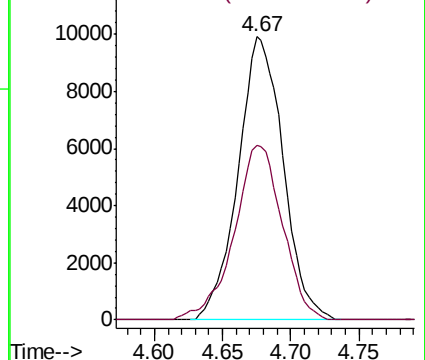
83 100

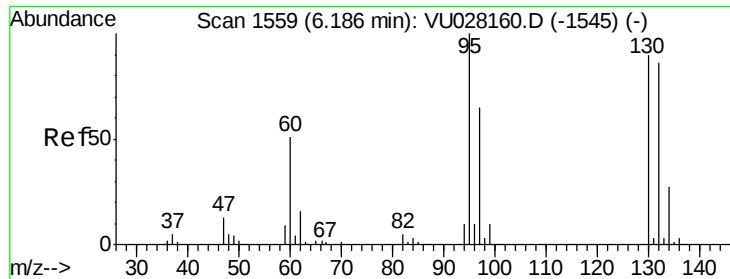
85 61.7 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 1.181 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028163.D

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Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 12381

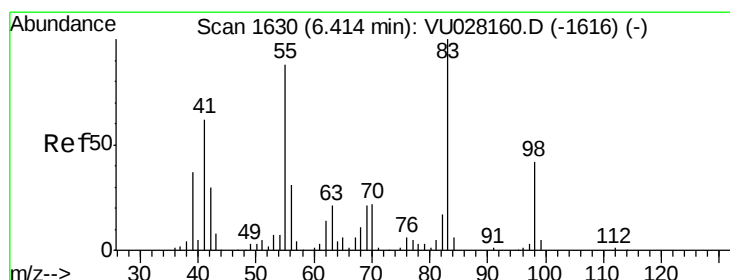
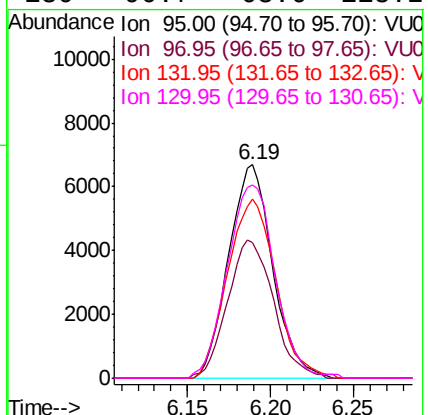
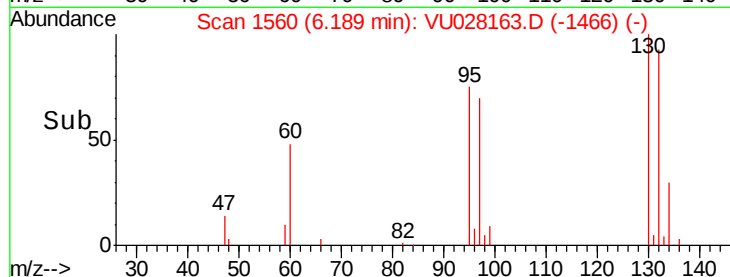
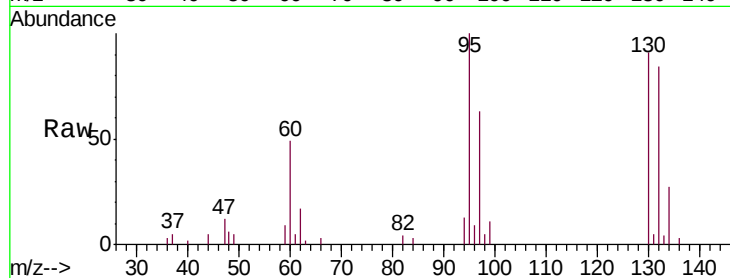
Ion Ratio Lower Upper

95 100

97 63.5 45.3 84.1

132 84.0 63.0 117.0

130 90.7 63.6 118.2



#35

Methylcyclohexane

Concen: 0.703 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028163.D

Acq: 15 Nov 2018 10:54

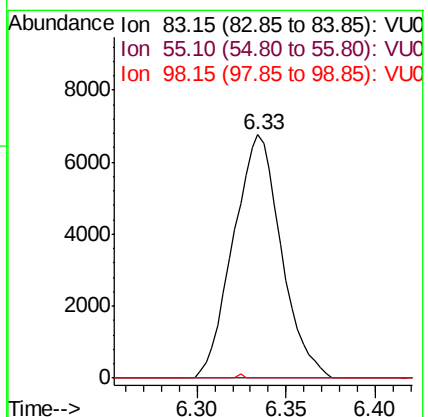
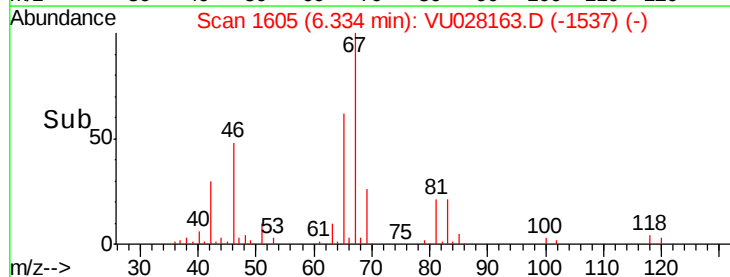
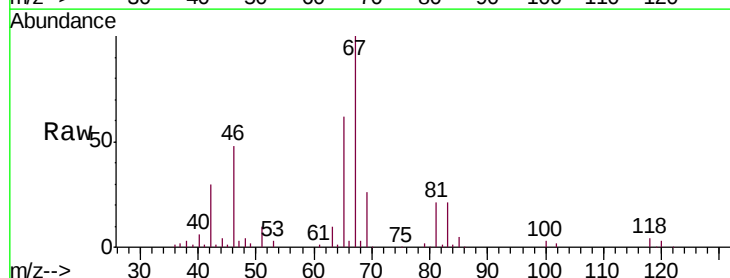
Tgt Ion: 83 Resp: 12672

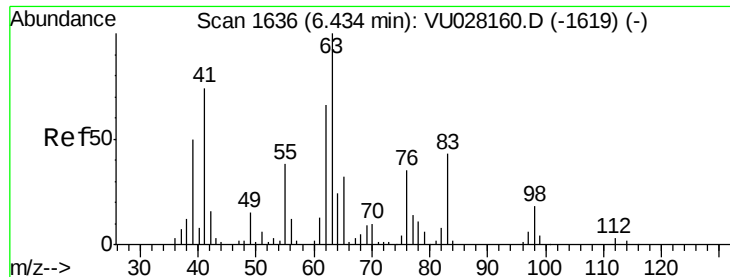
Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

98 0.1 33.3 49.9#

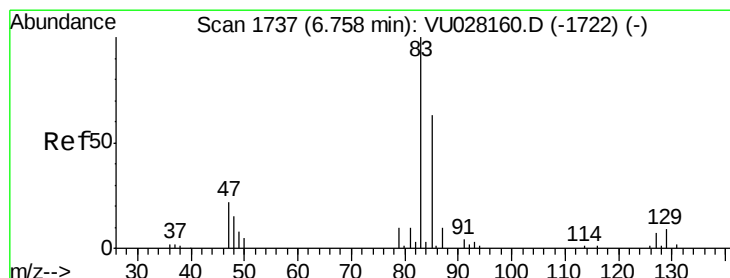
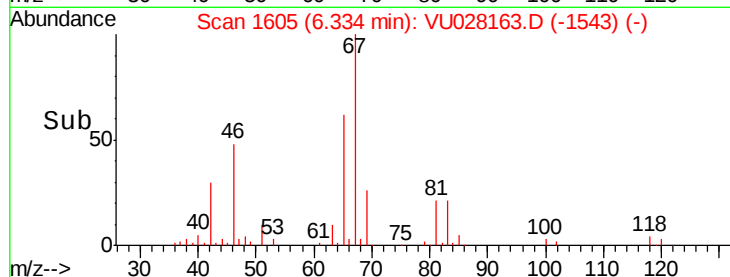
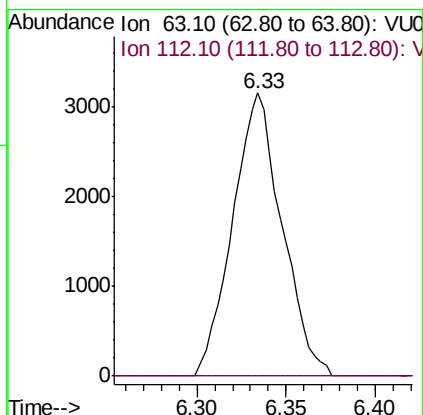
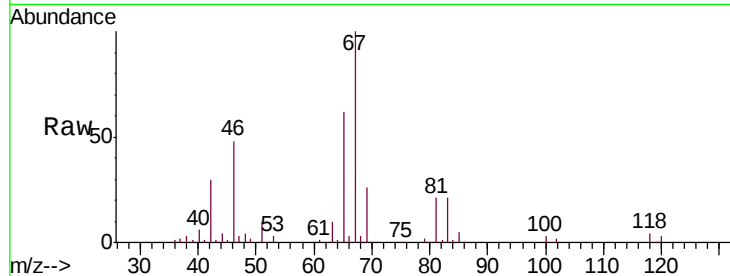




#37
 1,2-Dichloropropane
 Concen: 0.519 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028163.D
 Acq: 15 Nov 2018 10:54

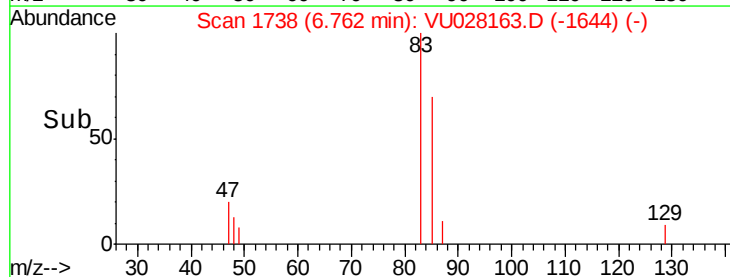
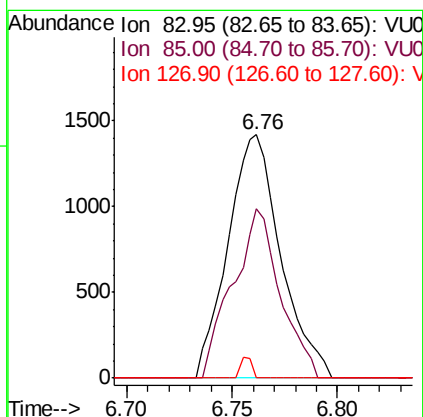
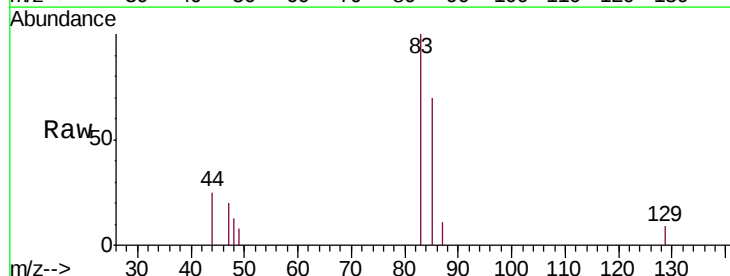
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FN1DL

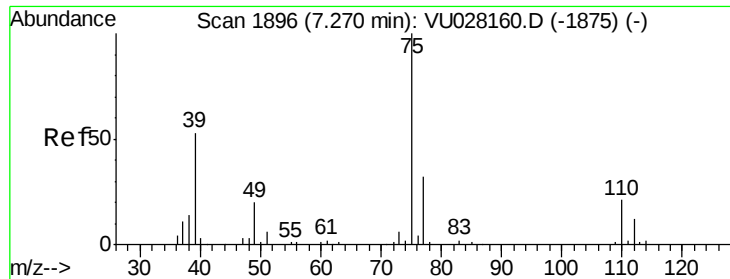
Tgt Ion: 63 Resp: 6081
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.4#



#38
 Bromodichloromethane
 Concen: 0.198 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU028163.D
 Acq: 15 Nov 2018 10:54

Tgt Ion: 83 Resp: 2469
 Ion Ratio Lower Upper
 83 100
 85 69.6 44.5 82.7
 127 0.0 6.8 10.2#

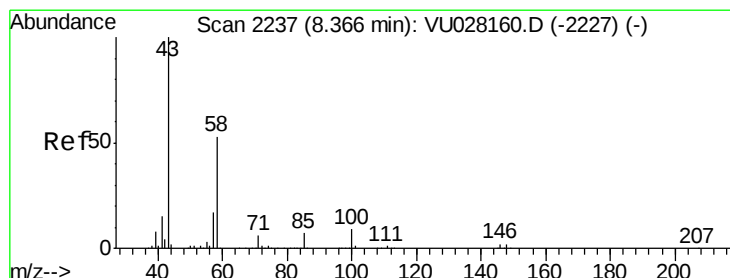
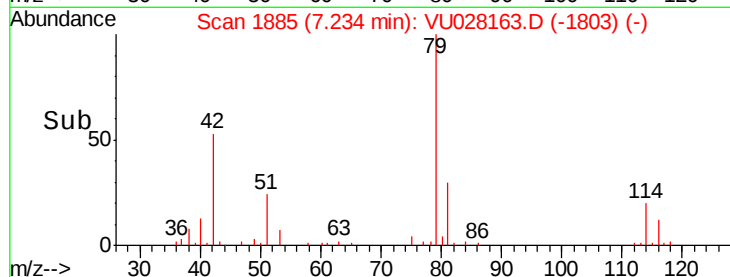
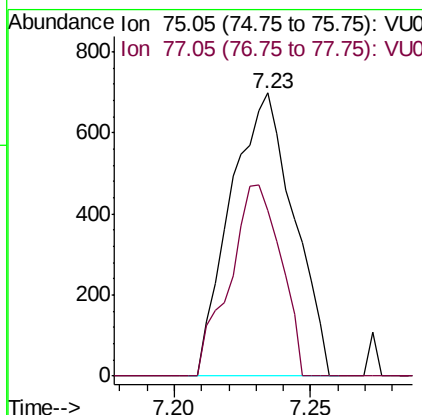
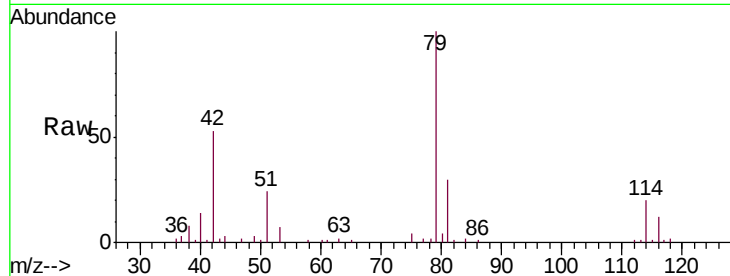




#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.23 min Scan# 1885
 Delta R.T. -0.04 min
 Lab File: VU028163.D
 Acq: 15 Nov 2018 10:54

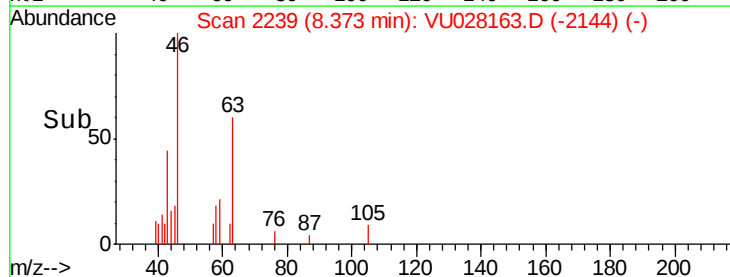
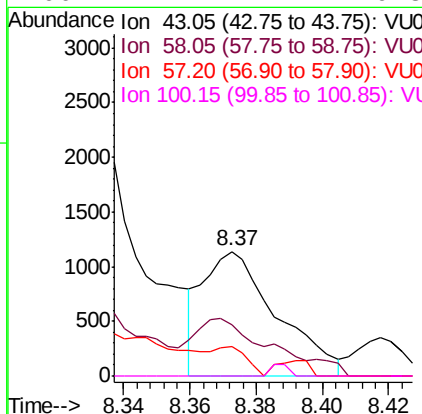
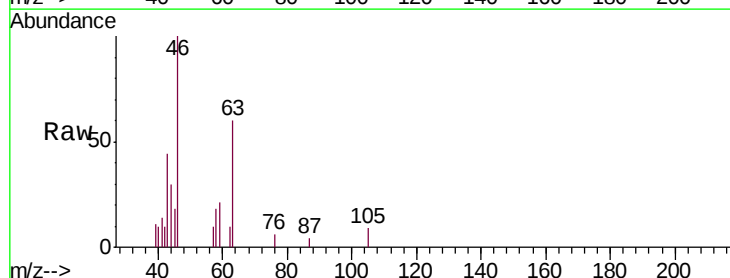
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FN1DL

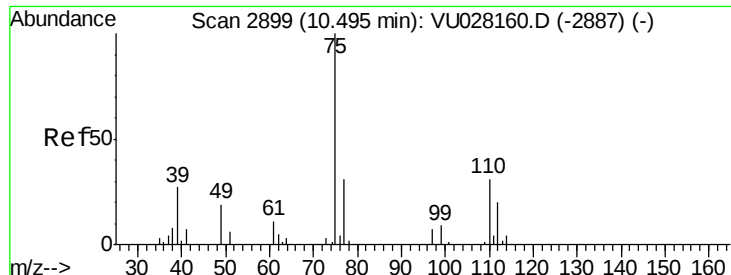
Tgt Ion: 75 Resp: 1124
 Ion Ratio Lower Upper
 75 100
 77 58.5 20.9 38.9#



#48
 2-Hexanone
 Concen: 0.304 ug/L
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU028163.D
 Acq: 15 Nov 2018 10:54

Tgt Ion: 43 Resp: 1748
 Ion Ratio Lower Upper
 43 100
 58 49.4 41.7 62.5
 57 9.2 14.0 21.0#
 100 2.2 7.2 10.8#





#59

1,2,3-Trichloropropane

Concen: 1.198 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028163.D

Acq: 15 Nov 2018 10:54

Instrument :

MSVOA_U

ClientSampleId :

H0FN1DL

Tgt Ion: 75 Resp: 7891

Ion Ratio Lower Upper

75 100

77 36.3 25.4 38.0

