

Data File : VU028170.D
Acq On : 15 Nov 2018 14:40
Operator : MD/SY
Sample : J5943-05RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FH4RE

Quant Time: Nov 16 00:49:19 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	134687	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	131348	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	61850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	40851	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.68	69	34171	3.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.00%
11) 1,1-Dichloroethene-d2	2.28	63	57708	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.19	46	154675	47.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.44%
24) Chloroform-d	4.65	84	69552	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.20%
26) 1,2-Dichloroethane-d4	5.31	65	42038	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.34	84	138829	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.60%
36) 1,2-Dichloropropane-d6	6.33	67	52253	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.40%
41) Toluene-d8	7.57	98	121891	3.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.40%#
43) trans-1,3-Dichloropropene-	7.85	79	16603	3.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.00%
46) 2-Hexanone-d5	8.31	63	119418	43.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	40062	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	43945	3.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.00%#

Target Compounds

					Qvalue
3) Chloromethane	1.39	50	2706	0.178 ug/L #	80
5) Vinyl chloride	1.40	62	101240	7.018 ug/L	100
12) 1,1-Dichloroethene	2.29	96	1016	0.113 ug/L #	1
13) Acetone	2.33	43	2091	0.958 ug/L	94
18) trans-1,2-Dichloroethene	2.99	96	14302	1.502 ug/L	98
19) 1,1-Dichloroethane	3.45	63	2550	0.127 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	53115	5.060 ug/L	91
34) Trichloroethene	6.19	95	2463	0.225 ug/L	93
35) Methylcyclohexane	6.41	83	1223	0.065 ug/L #	51
37) 1,2-Dichloropropane	6.33	63	5622	0.459 ug/L #	94
39) cis-1,3-Dichloropropene	7.23	75	1129	0.068 ug/L #	55
42) Toluene	7.64	91	2279	0.050 ug/L	93
48) 2-Hexanone	8.31	43	14380	2.398 ug/L #	65
49) Dibromochloromethane	8.23	129	484	0.062 ug/L #	11
52) Ethylbenzene	9.25	91	2249	0.045 ug/L #	80
53) m,p-xylene	9.39	106	1036	0.057 ug/L #	51
59) 1,2,3-Trichloropropane	11.48	75	8915	1.297 ug/L	89

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

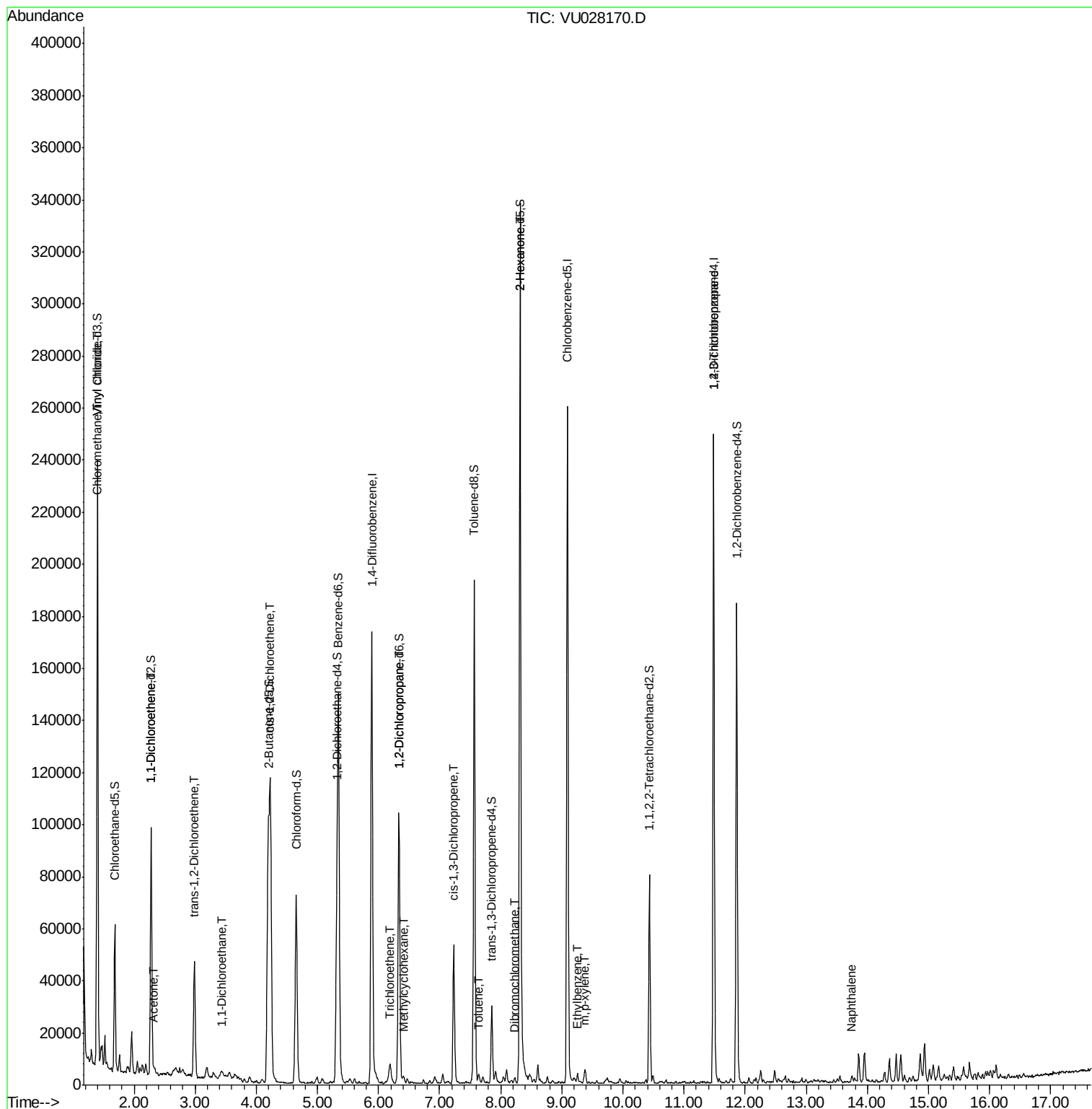
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.75	128	1410	0.058	ug/L #	94
-----	-----	-----	-----	-----	-----	-----

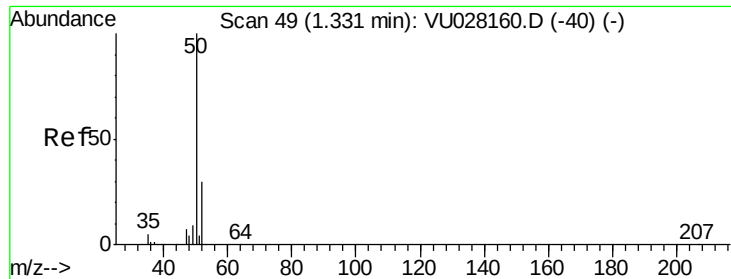
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.178 ug/L

RT: 1.39 min Scan# 67

Delta R.T. 0.06 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

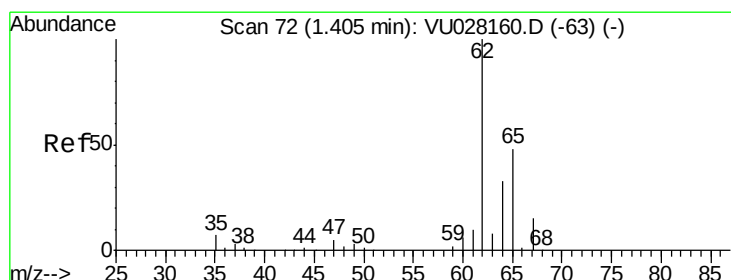
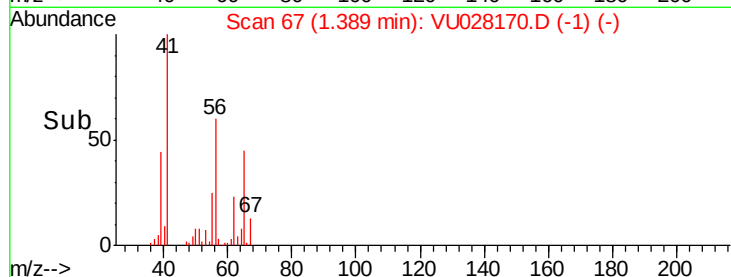
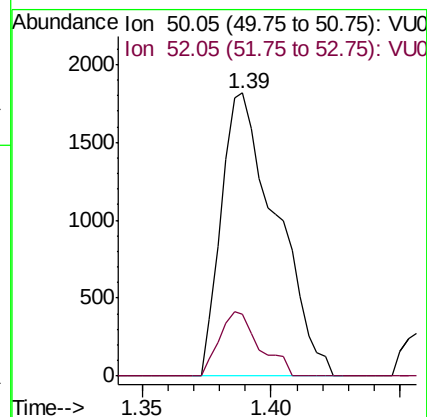
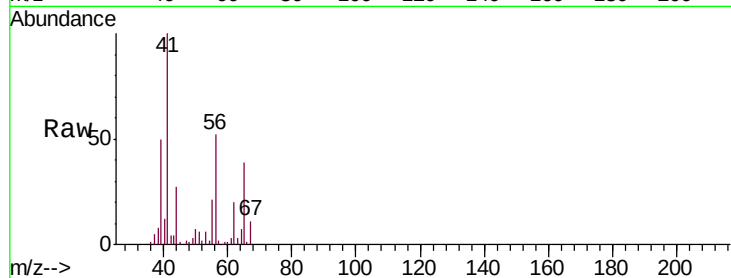
H0FH4RE

Tgt Ion: 50 Resp: 2706

Ion Ratio Lower Upper

50 100

52 21.7 23.0 42.6#



#5

Vinyl chloride

Concen: 7.018 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028170.D

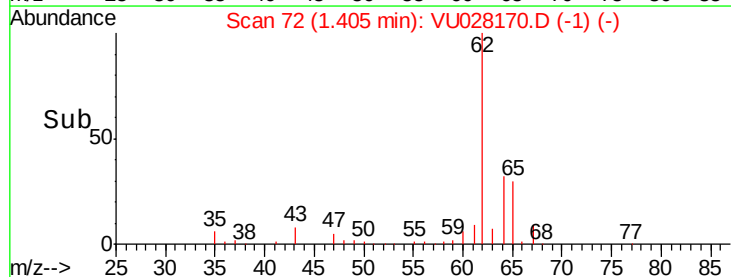
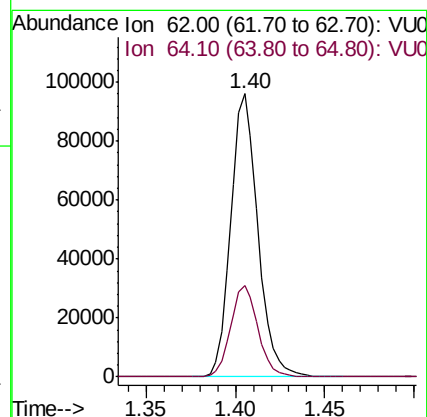
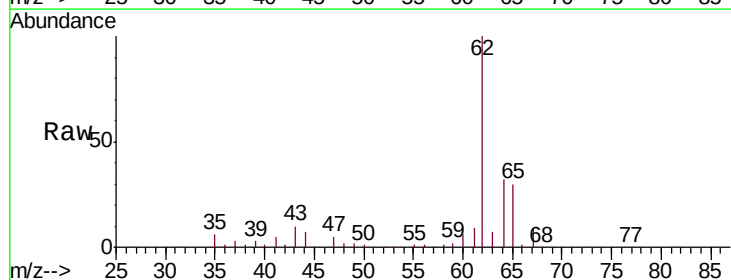
Acq: 15 Nov 2018 14:40

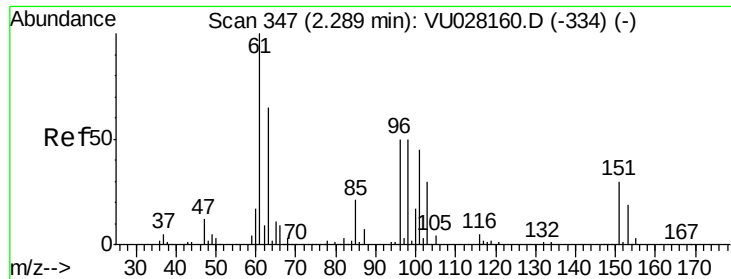
Tgt Ion: 62 Resp: 101240

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.3





#12

1,1-Dichloroethene

Concen: 0.113 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

H0FH4RE

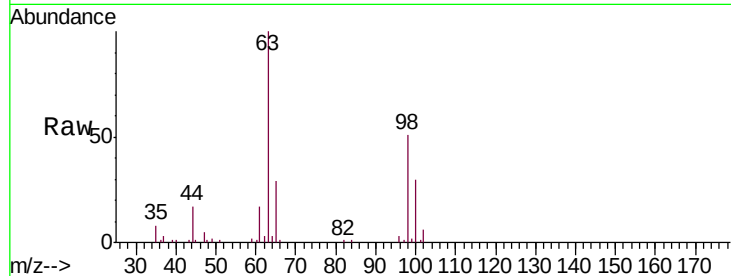
Tgt Ion: 96 Resp: 1016

Ion Ratio Lower Upper

96 100

61 564.9 134.8 250.3#

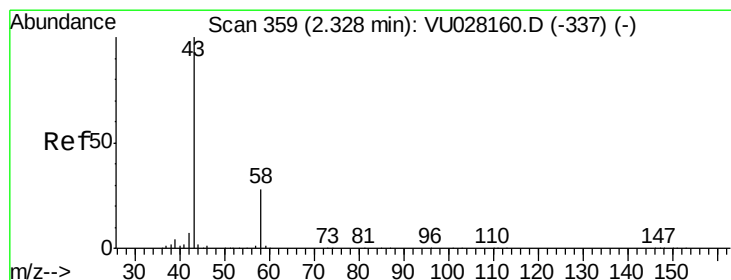
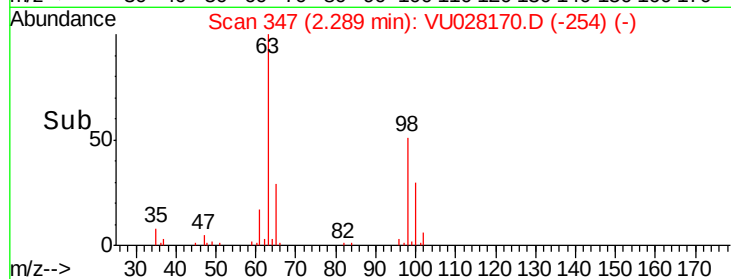
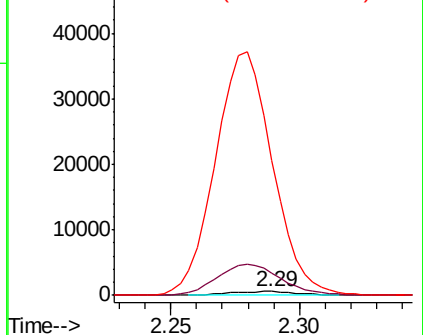
63 3362.1 100.1 185.9#



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: 0.958 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU028170.D

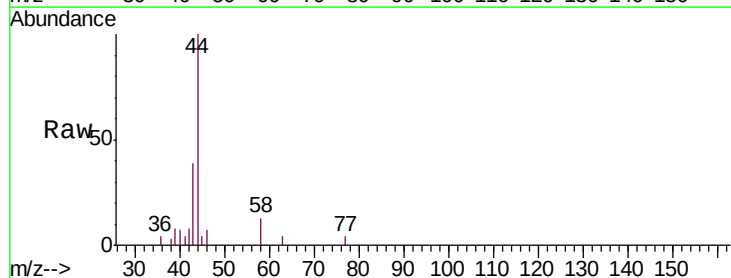
Acq: 15 Nov 2018 14:40

Tgt Ion: 43 Resp: 2091

Ion Ratio Lower Upper

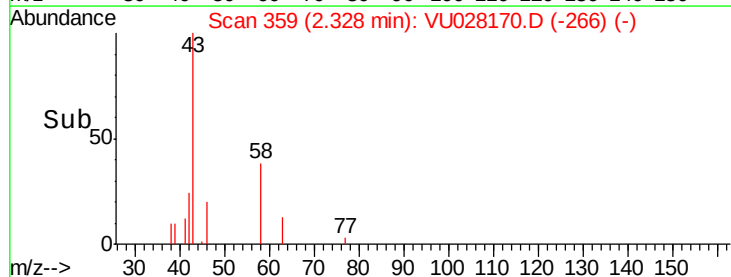
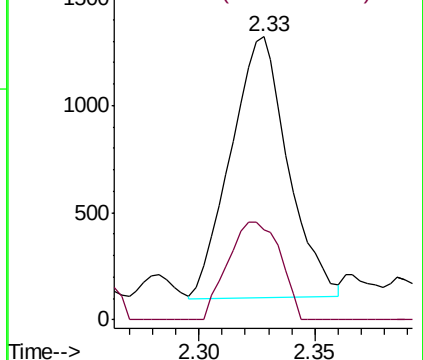
43 100

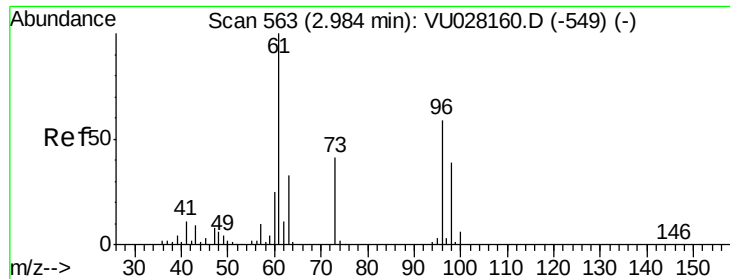
58 34.3 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#18

trans-1,2-Dichloroethene

Concen: 1.502 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Instrument :

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ClientSampleId :

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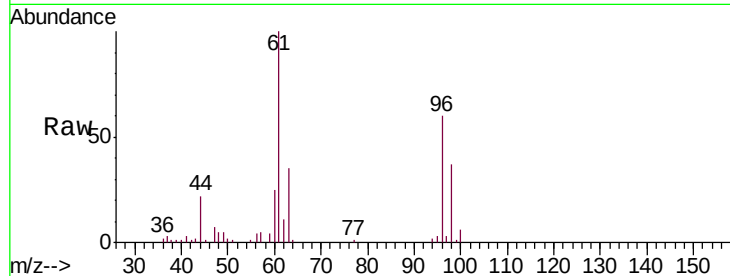
Tgt Ion: 96 Resp: 14302

Ion Ratio Lower Upper

96 100

61 167.3 118.5 220.1

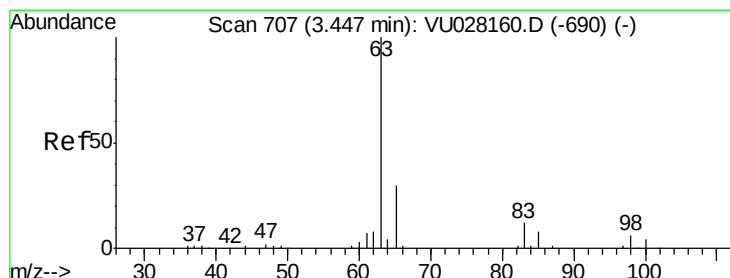
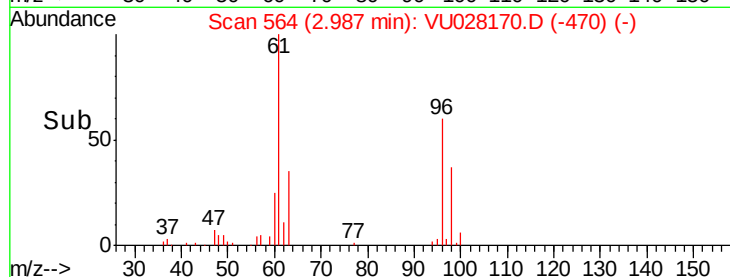
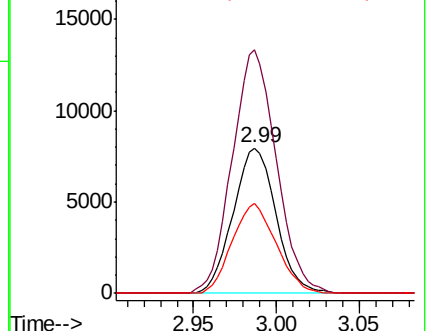
98 62.3 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU028160.D (-549) (-)

Ion 61.05 (60.75 to 61.75): VU028160.D (-549) (-)

Ion 97.95 (97.65 to 98.65): VU028160.D (-549) (-)



#19

1,1-Dichloroethane

Concen: 0.127 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

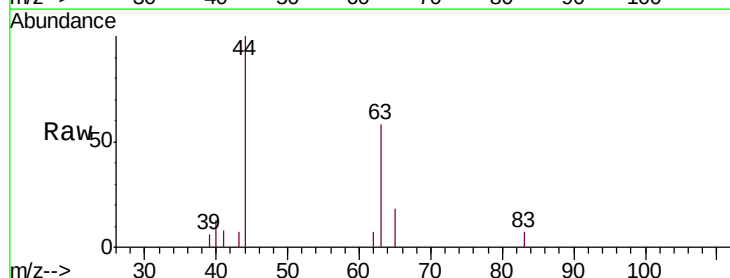
Tgt Ion: 63 Resp: 2550

Ion Ratio Lower Upper

63 100

65 31.4 22.2 41.2

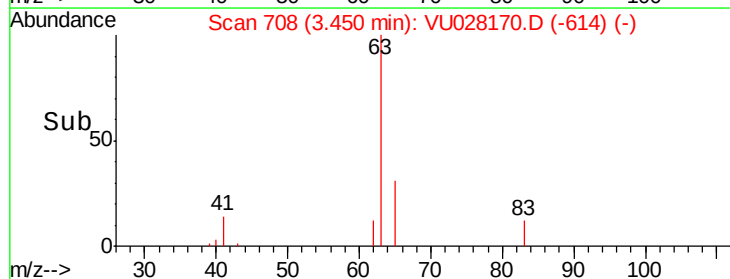
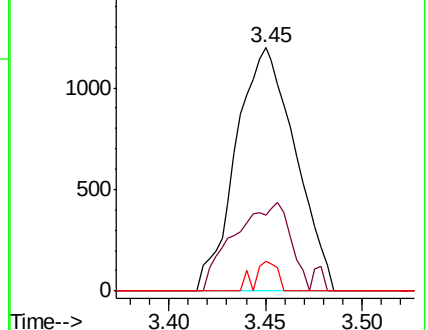
83 12.0 8.9 16.5

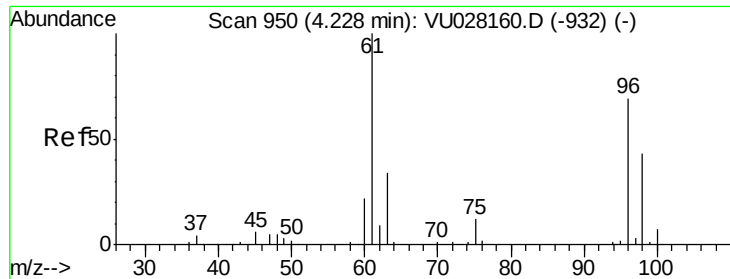


Abundance Ion 63.10 (62.80 to 63.80): VU028160.D (-690) (-)

Ion 65.10 (64.80 to 65.80): VU028160.D (-690) (-)

Ion 83.05 (82.75 to 83.75): VU028160.D (-690) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.060 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

H0FH4RE

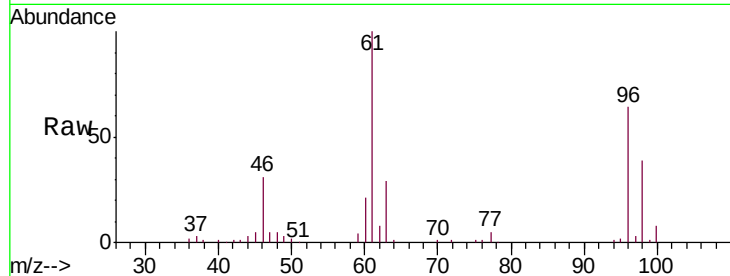
Tgt Ion: 96 Resp: 53115

Ion Ratio Lower Upper

96 100

61 157.2 101.8 189.0

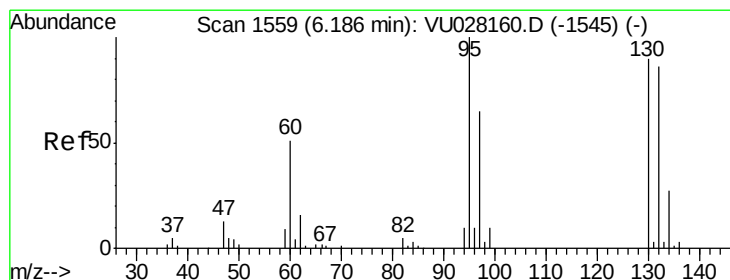
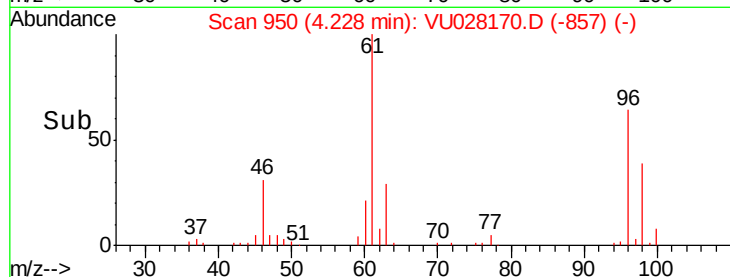
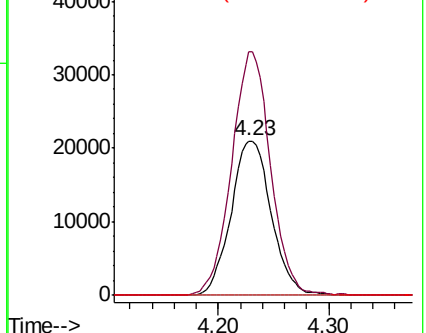
68 0.0 0.0 0.0



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



#34

Trichloroethene

Concen: 0.225 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Tgt Ion: 95 Resp: 2463

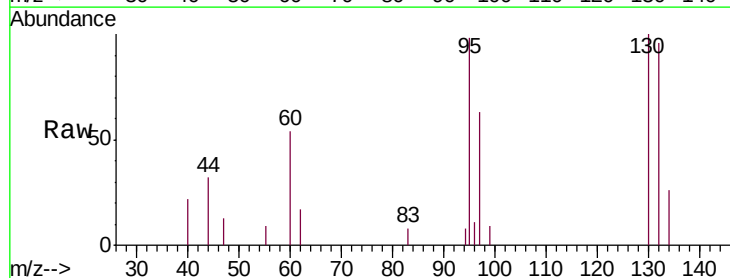
Ion Ratio Lower Upper

95 100

97 64.6 45.3 84.1

132 98.1 63.0 117.0

130 101.9 63.6 118.2

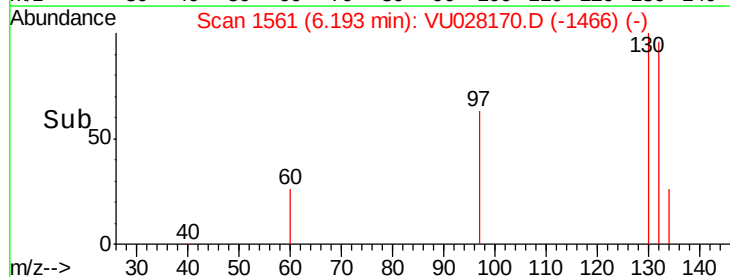
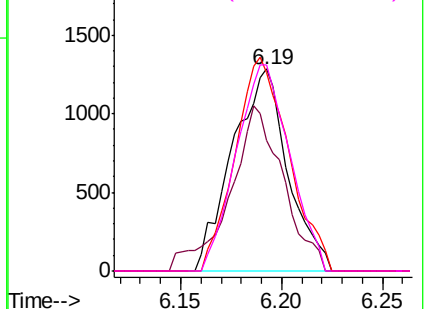


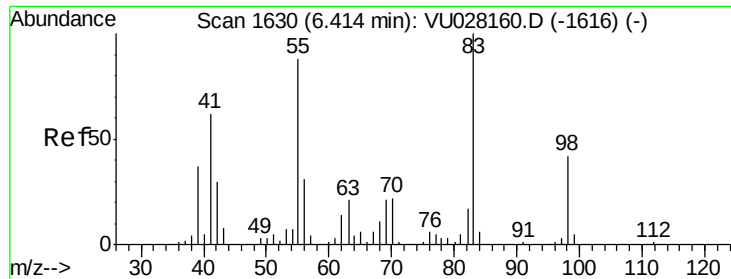
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

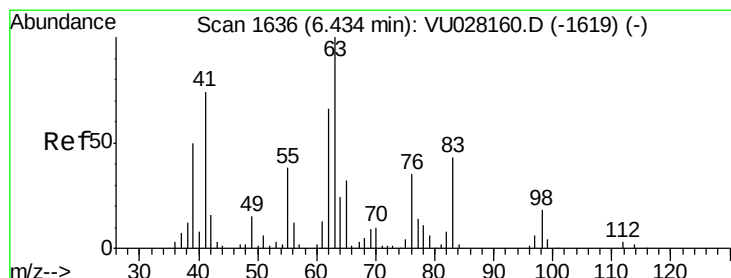
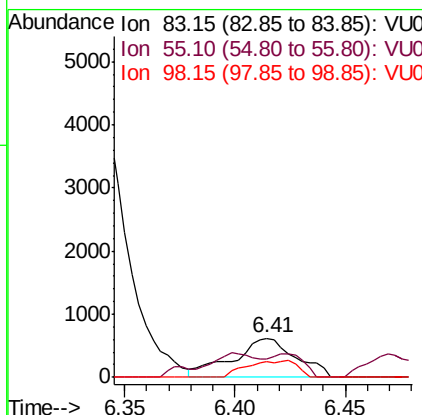
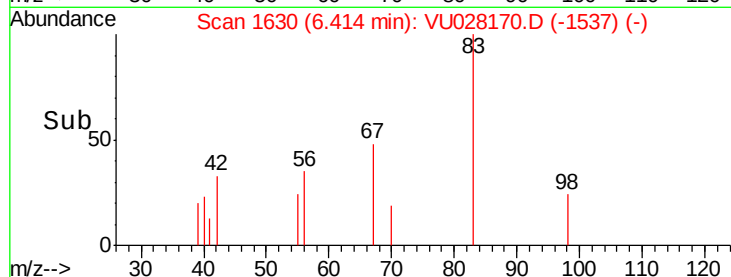
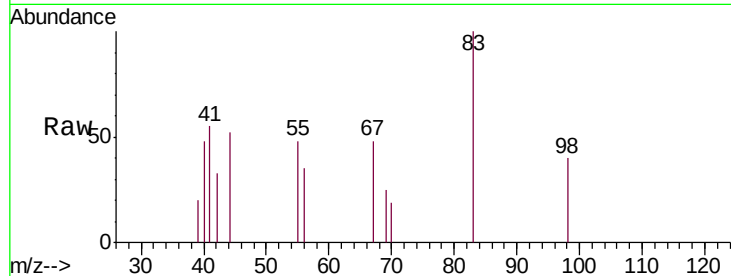




#35
Methylcyclohexane
Concen: 0.065 ug/L
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028170.D
Acq: 15 Nov 2018 14:40

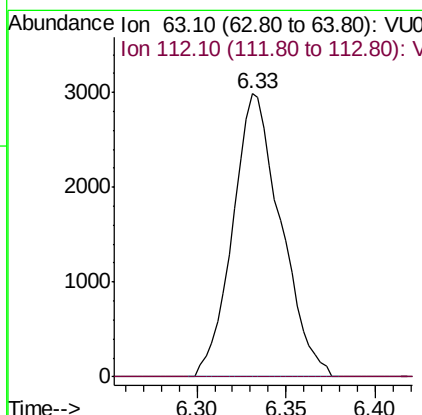
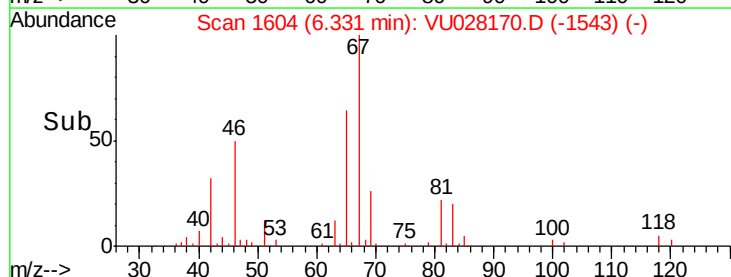
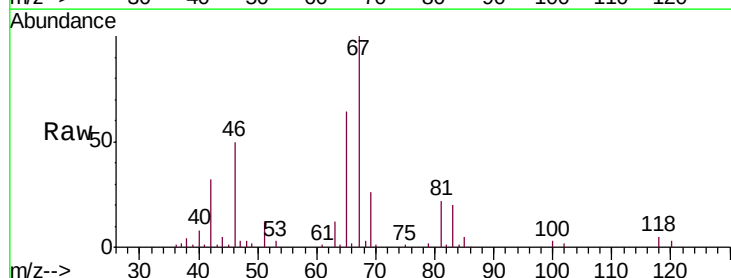
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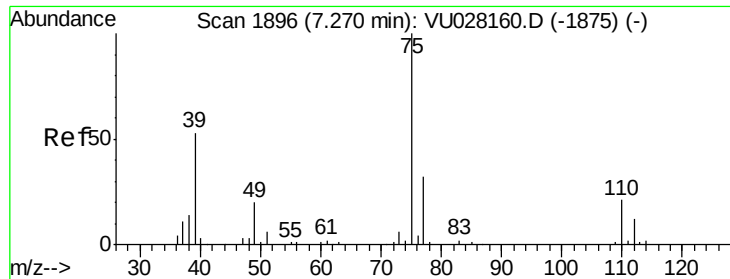
Tgt Ion: 83 Resp: 1223
Ion Ratio Lower Upper
83 100
55 33.9 69.0 103.4#
98 20.8 33.3 49.9#



#37
1,2-Dichloropropane
Concen: 0.459 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU028170.D
Acq: 15 Nov 2018 14:40

Tgt Ion: 63 Resp: 5622
Ion Ratio Lower Upper
63 100
112 0.8 2.2 3.4#



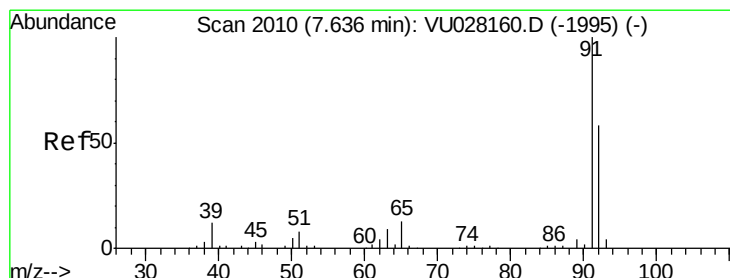
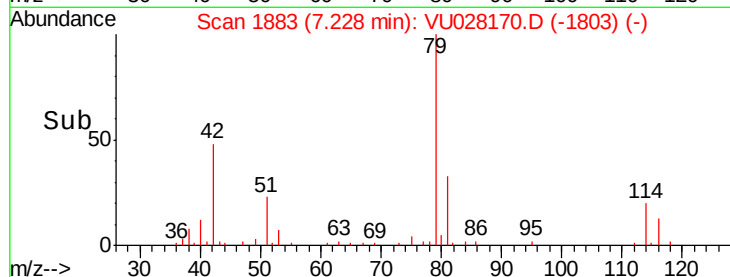
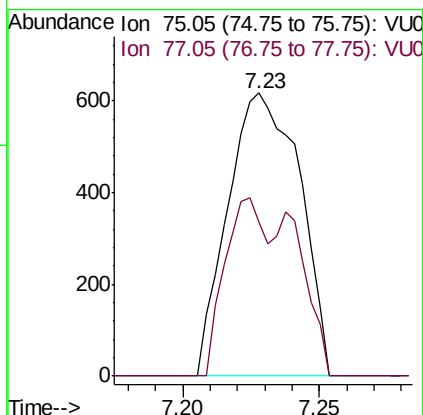
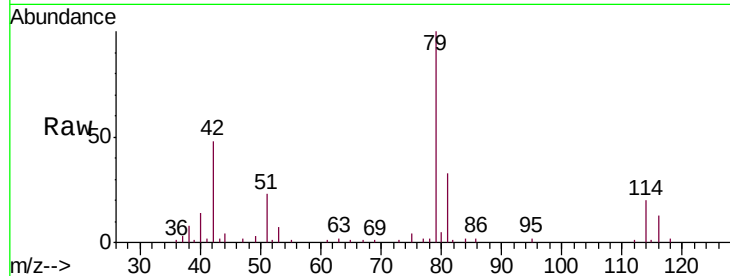


#39

cis-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU028170.D
Acq: 15 Nov 2018 14:40

Instrument :
MSVOA_U
ClientSampleId :
H0FH4RE

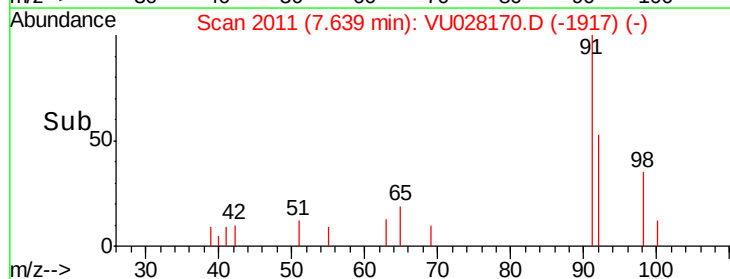
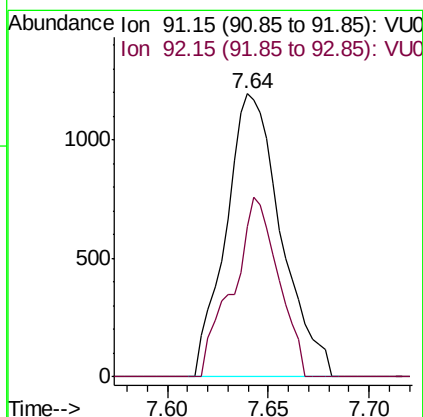
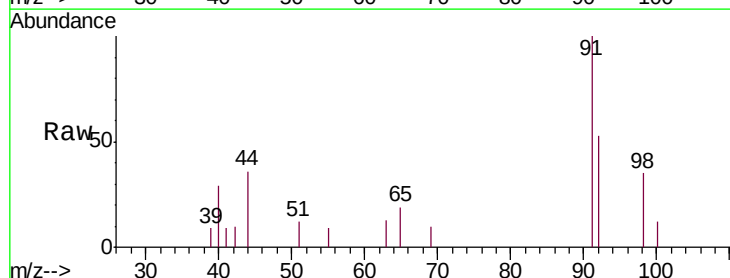
Tgt Ion: 75 Resp: 1129
Ion Ratio Lower Upper
75 100
77 54.3 20.9 38.9#

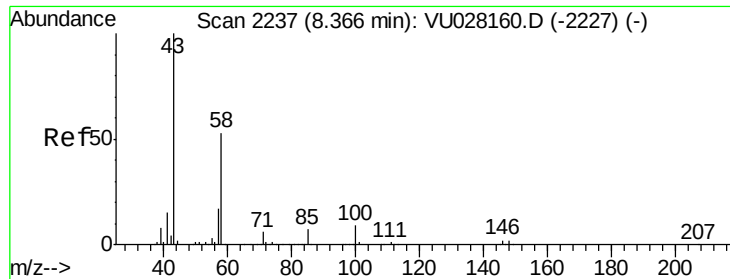


#42

Toluene
Concen: 0.050 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU028170.D
Acq: 15 Nov 2018 14:40

Tgt Ion: 91 Resp: 2279
Ion Ratio Lower Upper
91 100
92 52.9 40.7 75.7

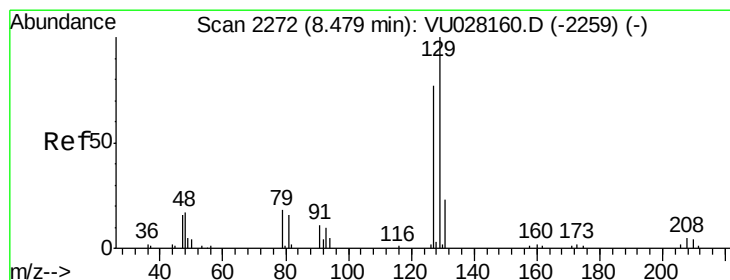
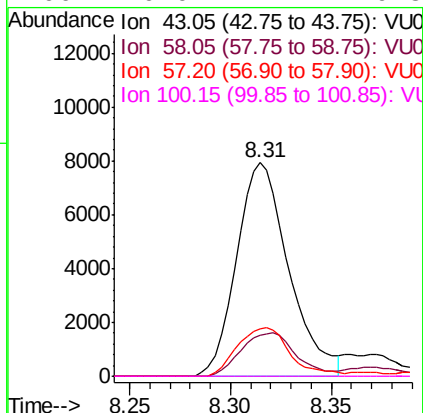
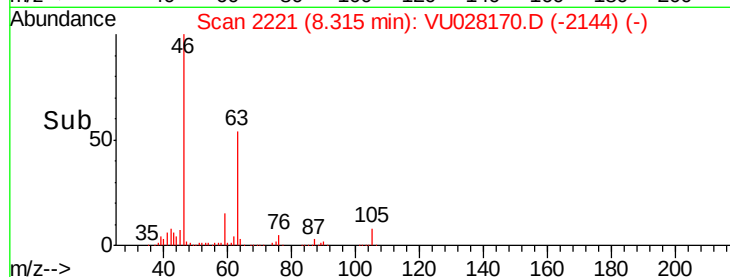
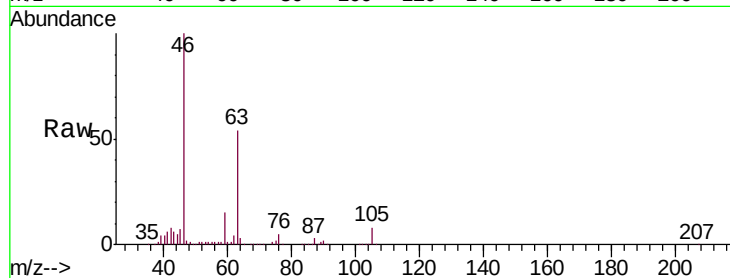




#48
2-Hexanone
Concen: 2.398 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU028170.D
Acq: 15 Nov 2018 14:40

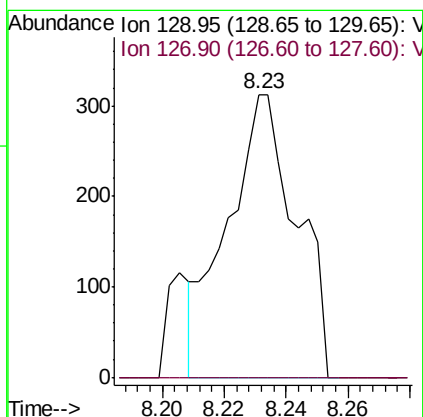
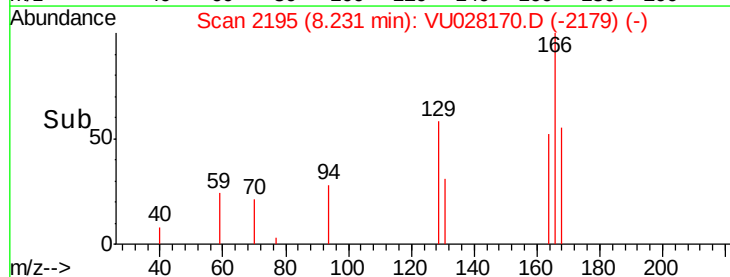
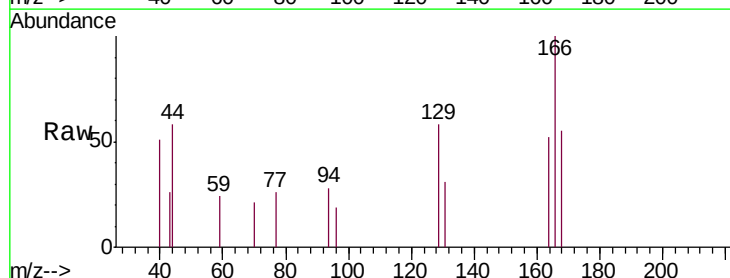
Instrument :
MSVOA_U
ClientSampleId :
H0FH4RE

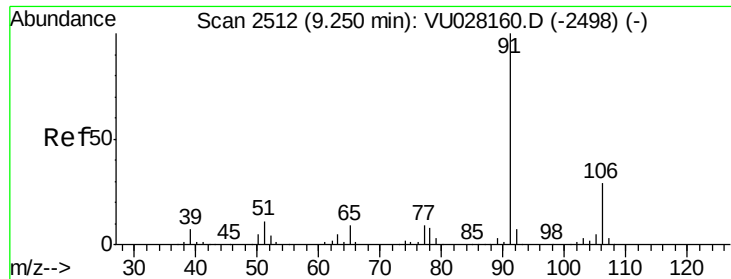
Tgt Ion: 43 Resp: 14380
Ion Ratio Lower Upper
43 100
58 21.2 41.7 62.5#
57 23.0 14.0 21.0#
100 0.0 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.062 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VU028170.D
Acq: 15 Nov 2018 14:40

Tgt Ion: 129 Resp: 484
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#





#52

Ethylbenzene

Concen: 0.045 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

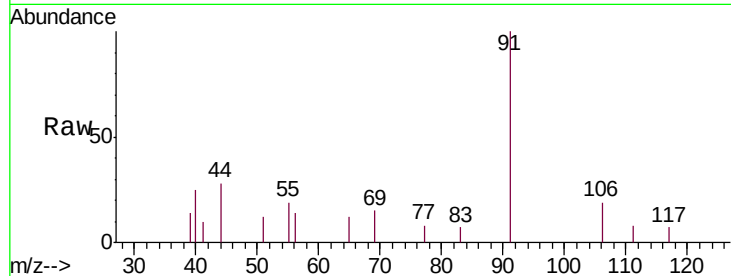
H0FH4RE

Tgt Ion: 91 Resp: 2249

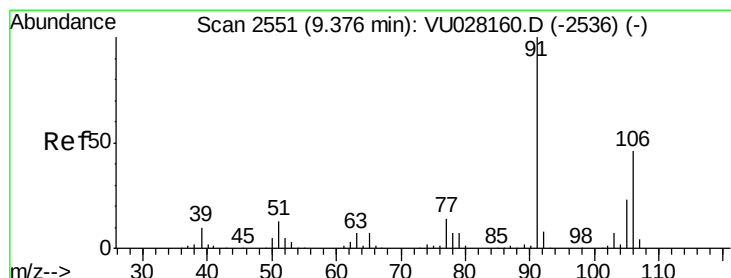
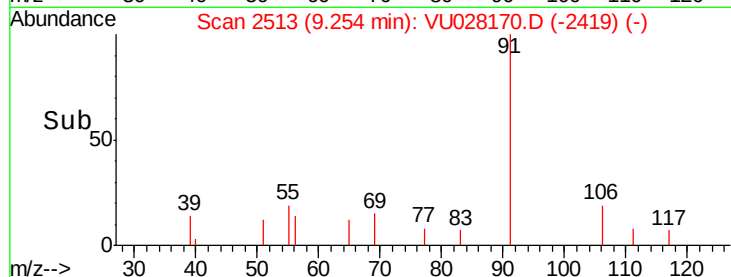
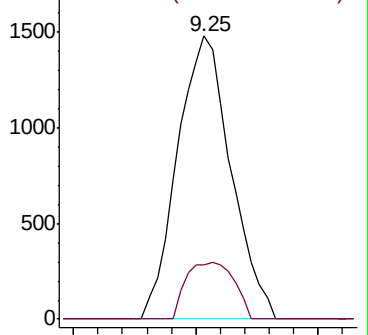
Ion Ratio Lower Upper

91 100

106 19.2 20.9 38.7#



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



#53

m,p-xylene

Concen: 0.057 ug/L

RT: 9.39 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VU028170.D

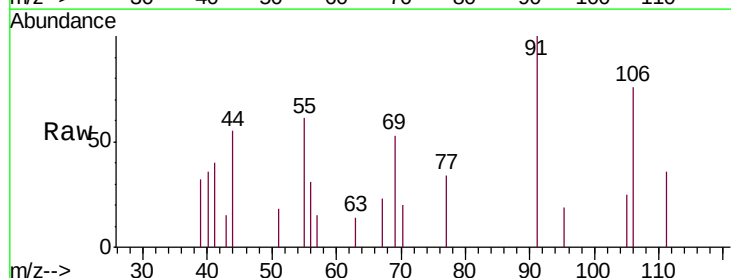
Acq: 15 Nov 2018 14:40

Tgt Ion: 106 Resp: 1036

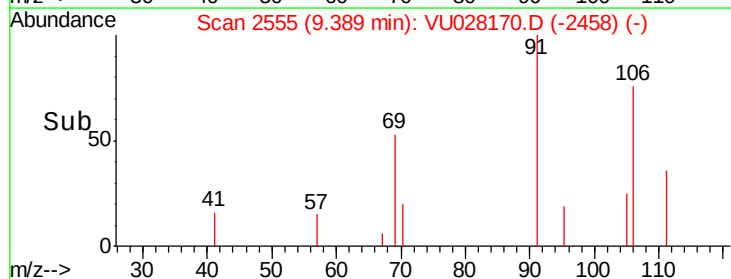
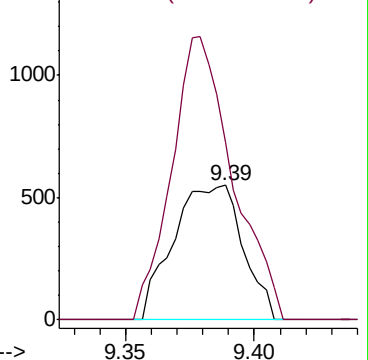
Ion Ratio Lower Upper

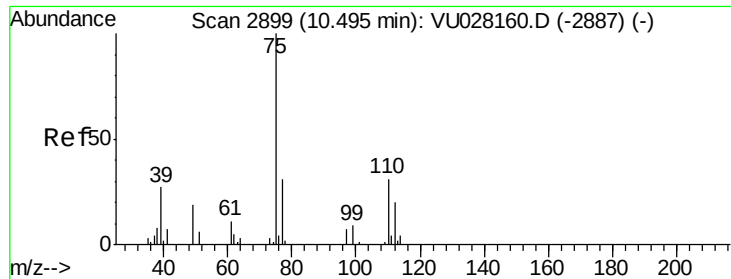
106 100

91 131.8 145.7 270.7#



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





#59

1,2,3-Trichloropropane

Concen: 1.297 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

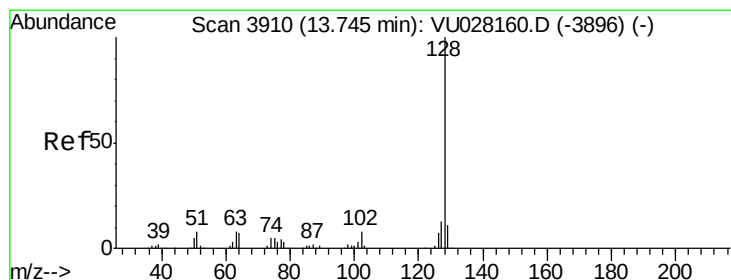
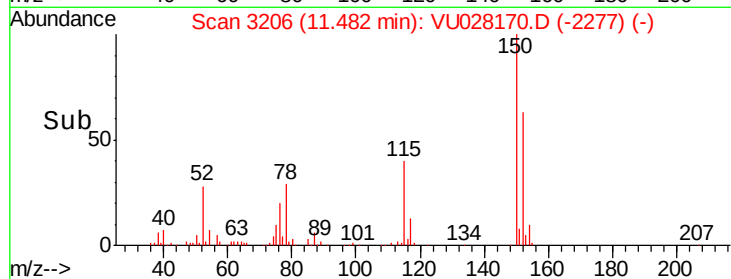
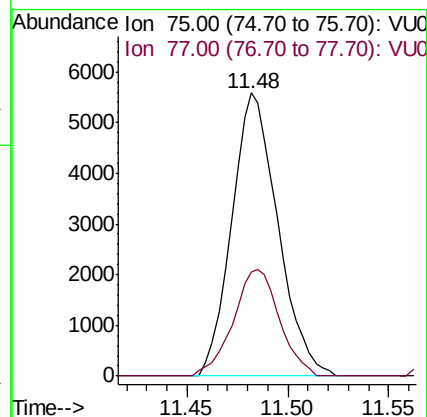
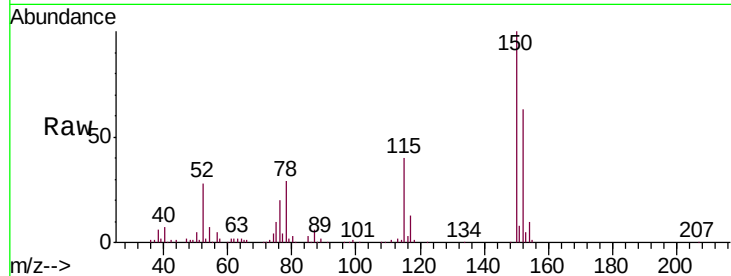
H0FH4RE

Tgt Ion: 75 Resp: 8915

Ion Ratio Lower Upper

75 100

77 38.0 25.4 38.0



#69

Naphthalene

Concen: 0.058 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028170.D

Acq: 15 Nov 2018 14:40

Tgt Ion: 128 Resp: 1410

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

127 17.0 10.2 15.4#

