

Data File : VU028262.D
Acq On : 19 Nov 2018 18:02
Operator : MD/SY
Sample : J5986-11DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FG9DL

Quant Time: Nov 20 07:13:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	127829	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	121722	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52524	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41817	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.68	69	37549	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.28	63	61727	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.20	46	155601	48.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.68%
24) Chloroform-d	4.65	84	81673	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.31	65	45430	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.34	84	160694	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.33	67	60906	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.57	98	136161	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.85	79	17357	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.31	63	104036	42.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	44937	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	48555	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	56914	4.387	ug/L 90
8) Chloroethane	1.65	64	928	0.121	ug/L # 45
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	558	0.067	ug/L # 21
12) 1,1-Dichloroethene	2.28	96	703	0.089	ug/L # 1
13) Acetone	2.32	43	1560	0.705	ug/L 56
16) Methylene chloride	2.71	84	2037	0.205	ug/L # 86
17) Methyl tert-butyl Ether	3.01	73	27771	1.175	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	5764	0.688	ug/L 97
19) 1,1-Dichloroethane	3.45	63	1704	0.088	ug/L # 78
22) cis-1,2-Dichloroethene	4.23	96	79132	7.986	ug/L 95
25) Chloroform	4.68	83	3708	0.176	ug/L 85
27) 1,2-Dichloroethane	5.34	62	918	0.076	ug/L # 78
34) Trichloroethene	6.19	95	856	0.087	ug/L 89
35) Methylcyclohexane	6.33	83	12695	0.819	ug/L # 13
37) 1,2-Dichloropropane	6.33	63	6089	0.531	ug/L # 92
39) cis-1,3-Dichloropropene	7.23	75	1028	0.071	ug/L # 58
48) 2-Hexanone	8.36	43	2052	0.351	ug/L # 70

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

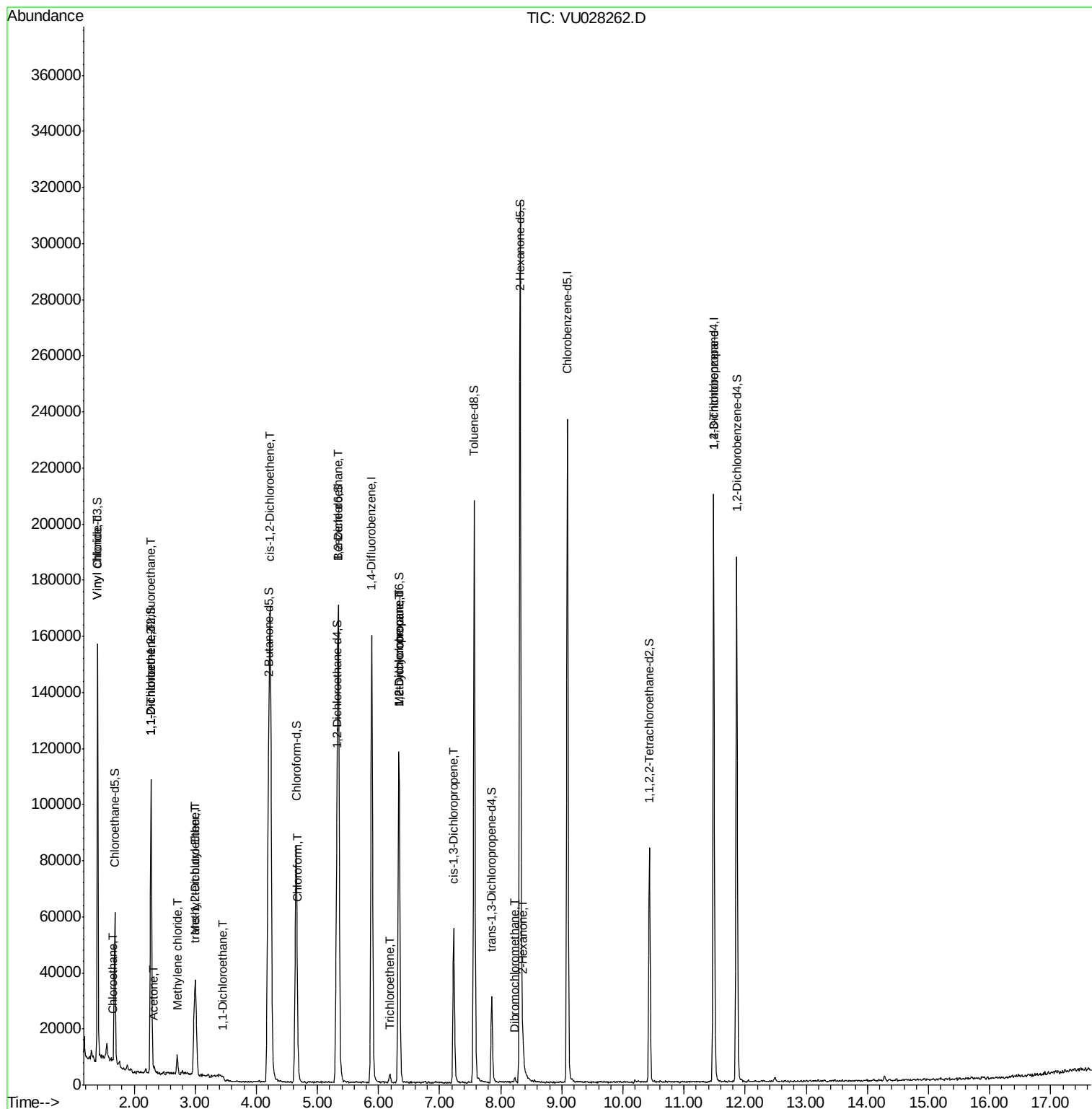
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.23	129	312	0.045	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7341	1.109	ug/L	89

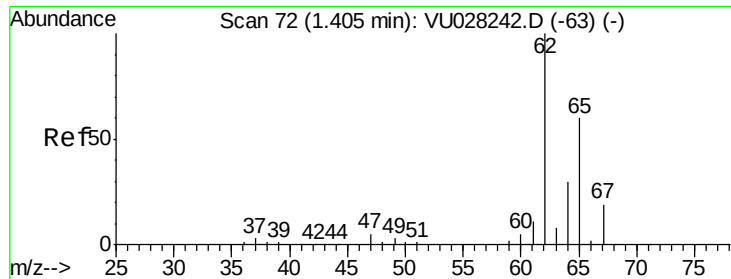
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.387 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

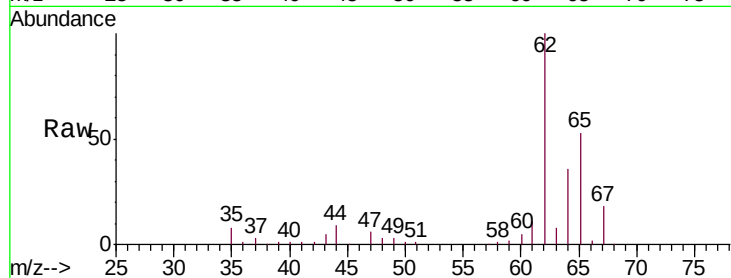
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Tgt Ion: 62 Resp: 56914

Ion Ratio Lower Upper

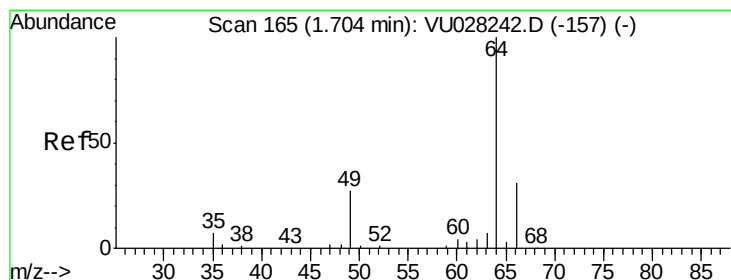
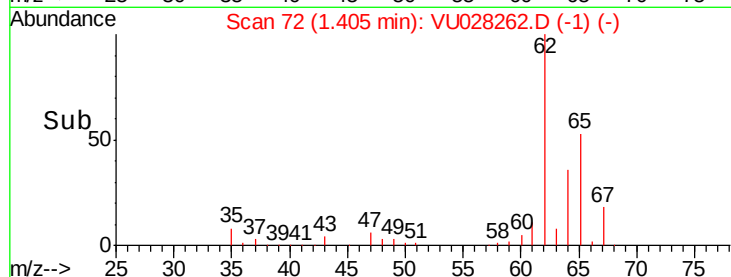
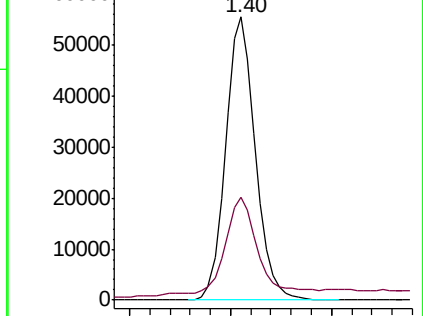
62 100

64 36.3 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.121 ug/L

RT: 1.65 min Scan# 148

Delta R.T. -0.05 min

Lab File: VU028262.D

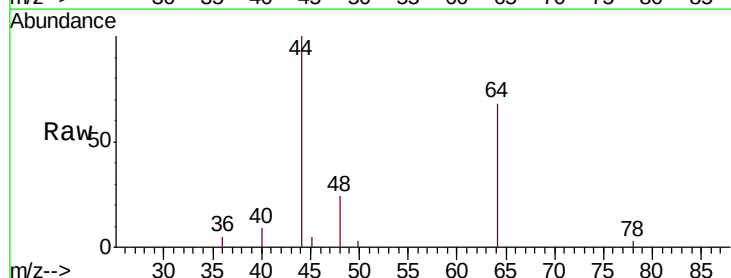
Acq: 19 Nov 2018 18:02

Tgt Ion: 64 Resp: 928

Ion Ratio Lower Upper

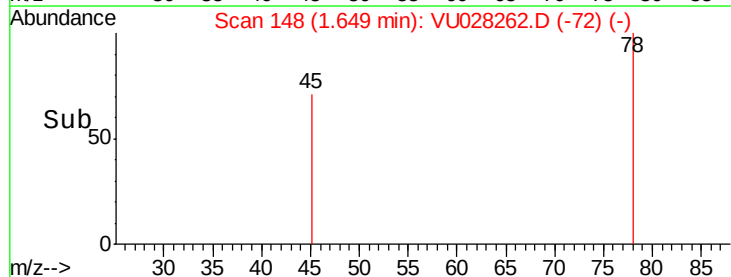
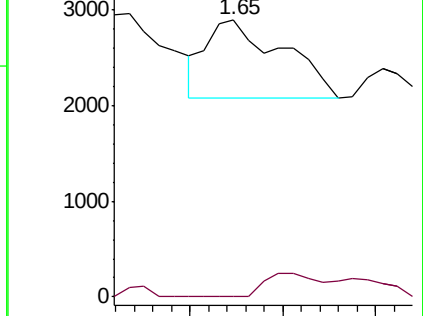
64 100

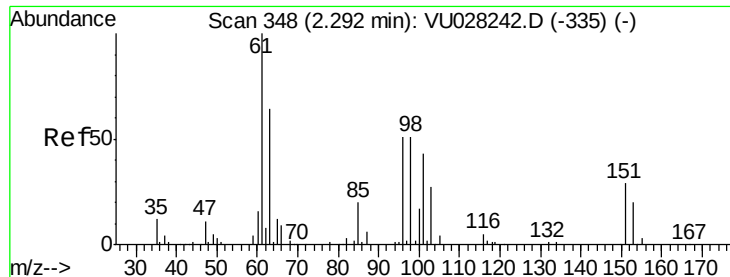
66 0.0 20.7 38.5#



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: 0.067 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

Instrument :

MSVOA_U

ClientSampled :

H0FG9DL

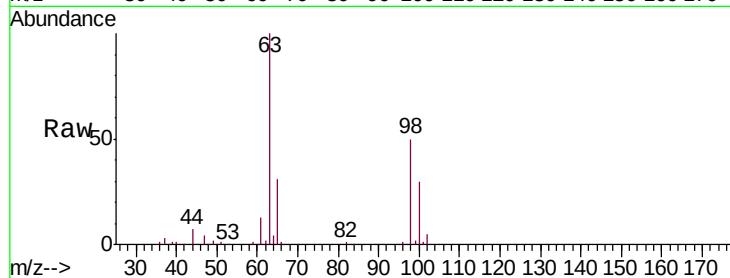
Tgt Ion: 101 Resp: 558

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#



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

2.27

400

300

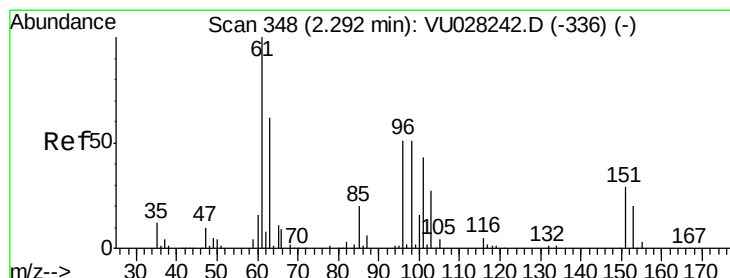
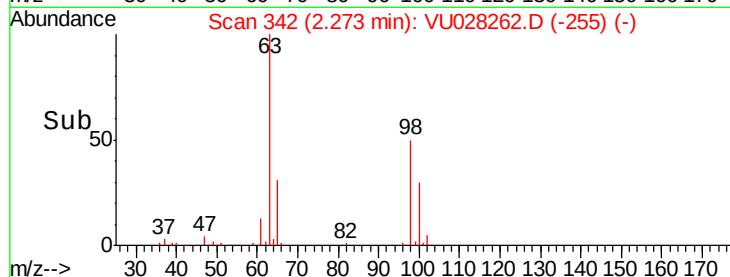
200

100

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.089 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

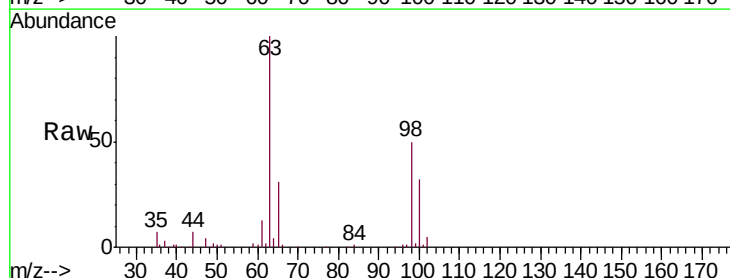
Tgt Ion: 96 Resp: 703

Ion Ratio Lower Upper

96 100

61 1215.9 145.5 270.1#

63 9435.7 98.6 183.2#



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

50000

40000

30000

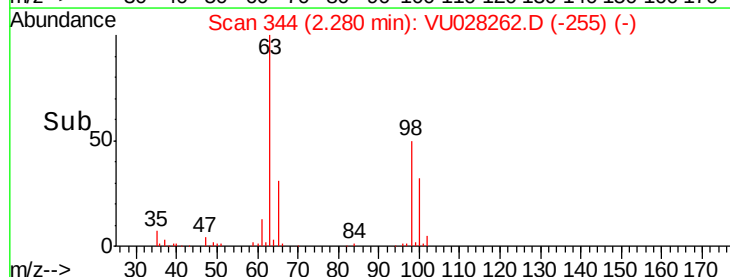
20000

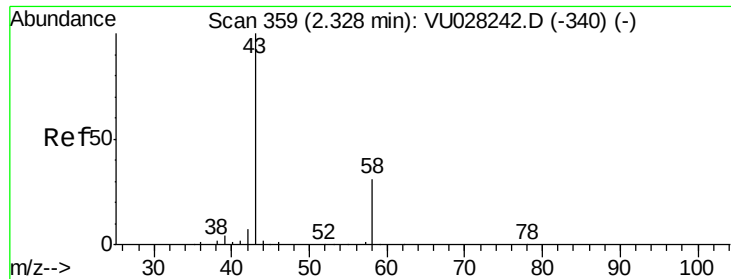
10000

0

2.25 2.30

Time-->





#13

Acetone

Concen: 0.705 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

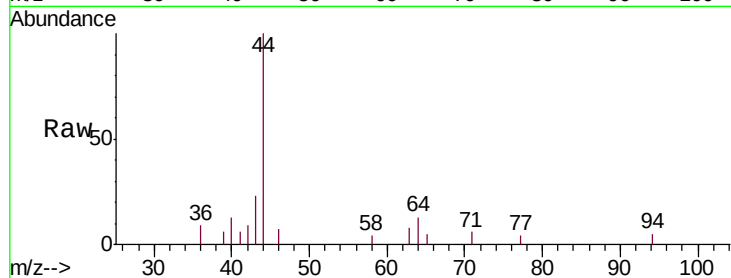
H0FG9DL

Tgt Ion: 43 Resp: 1560

Ion Ratio Lower Upper

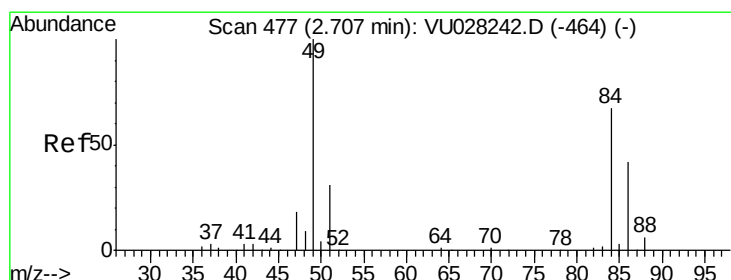
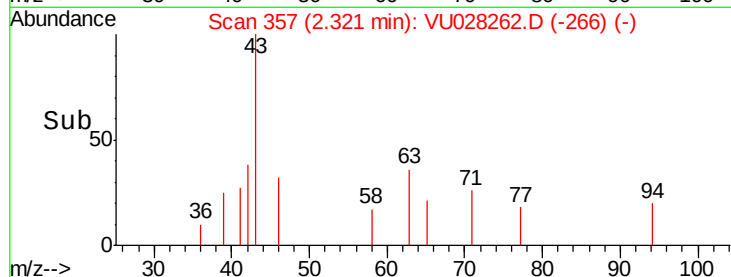
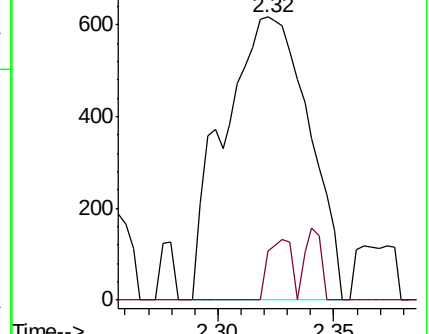
43 100

58 6.0 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.205 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

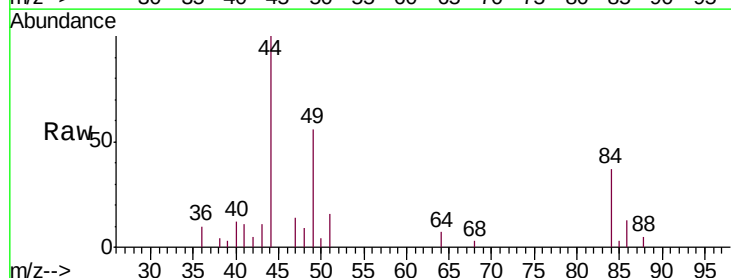
Tgt Ion: 84 Resp: 2037

Ion Ratio Lower Upper

84 100

86 33.8 45.3 84.1#

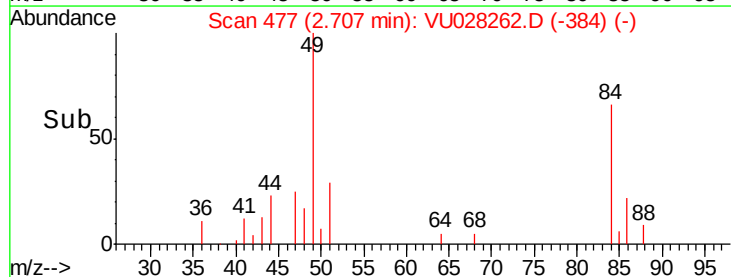
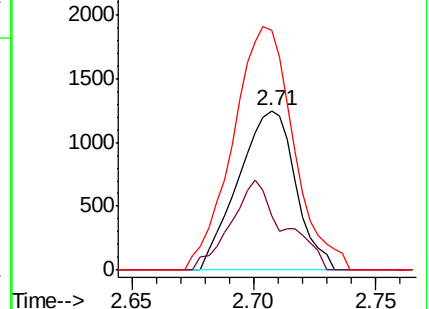
49 150.7 107.9 200.5

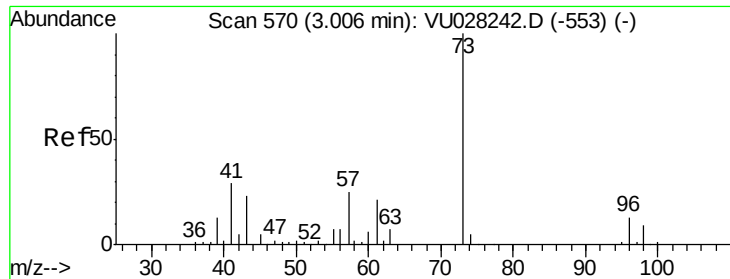


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

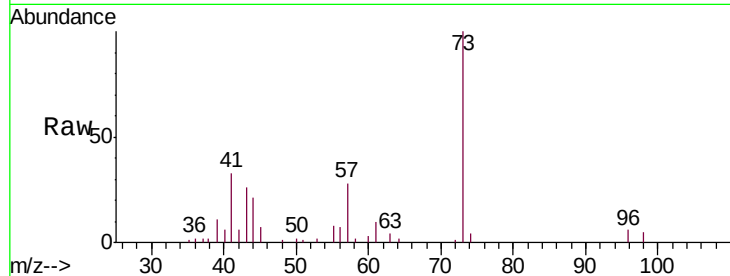




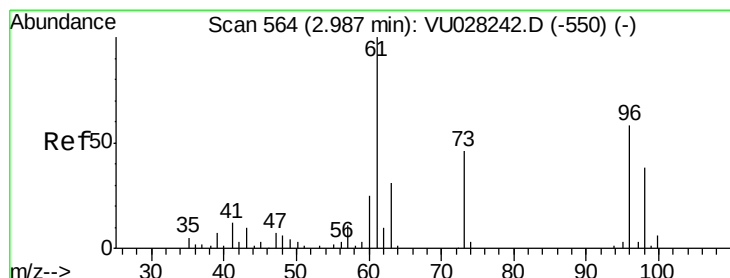
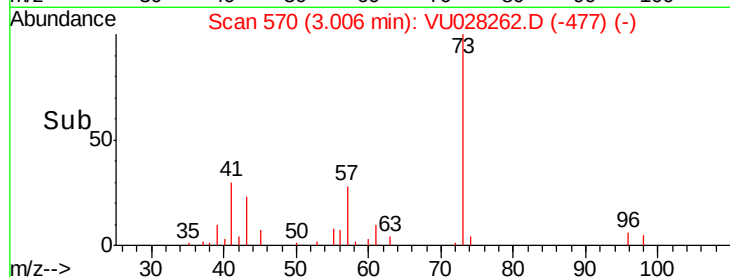
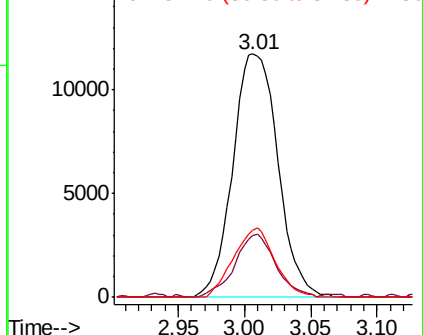
#17
Methyl tert-butyl Ether
Concen: 1.175 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028262.D
Acq: 19 Nov 2018 18:02

Instrument :
MSVOA_U
ClientSampleId :
H0FG9DL

Tgt Ion: 73 Resp: 27771
Ion Ratio Lower Upper
73 100
43 23.7 18.8 28.2
57 26.0 19.2 28.8

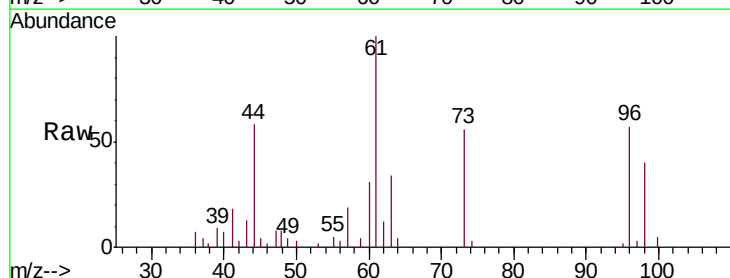


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

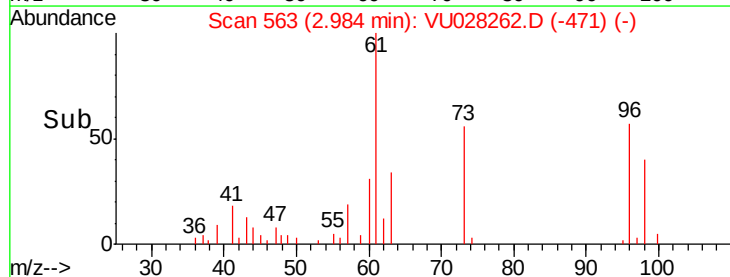
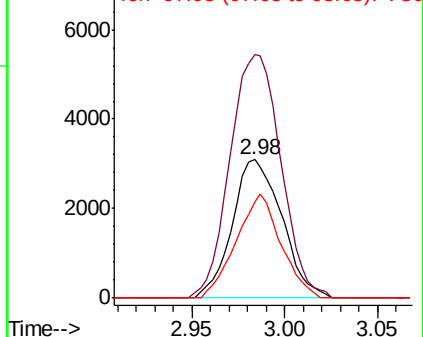


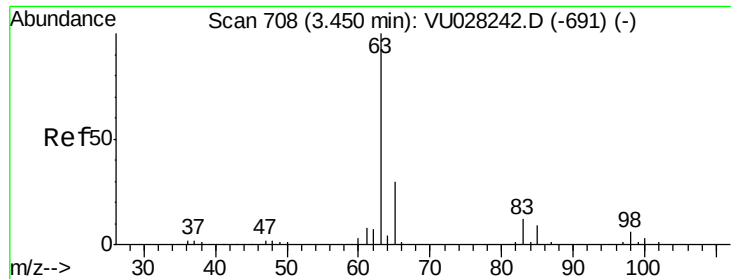
#18
trans-1,2-Dichloroethene
Concen: 0.688 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028262.D
Acq: 19 Nov 2018 18:02

Tgt Ion: 96 Resp: 5764
Ion Ratio Lower Upper
96 100
61 176.3 122.2 227.0
98 70.0 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

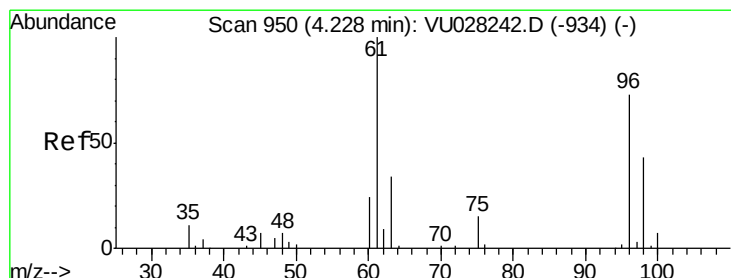
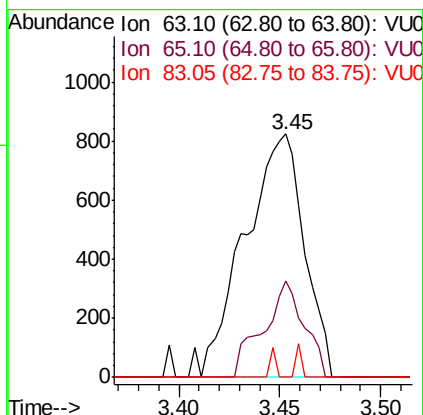
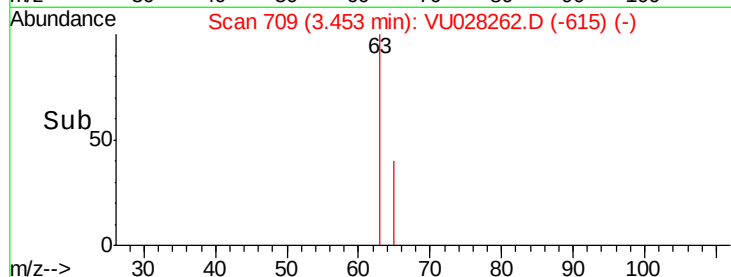
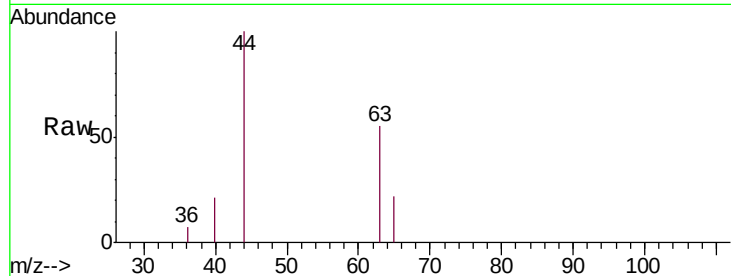




#19
 1,1-Dichloroethane
 Concen: 0.088 ug/L
 RT: 3.45 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VU028262.D
 Acq: 19 Nov 2018 18:02

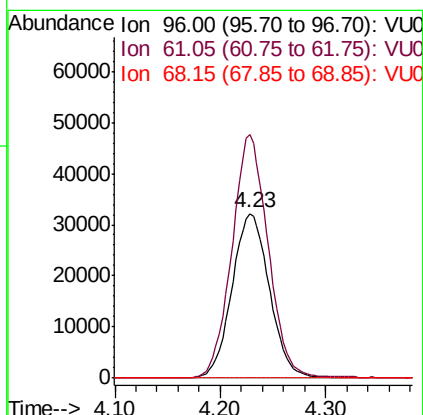
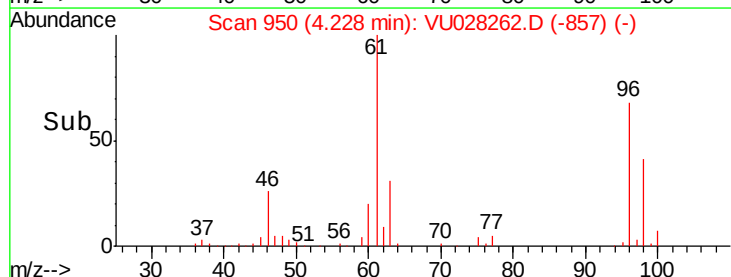
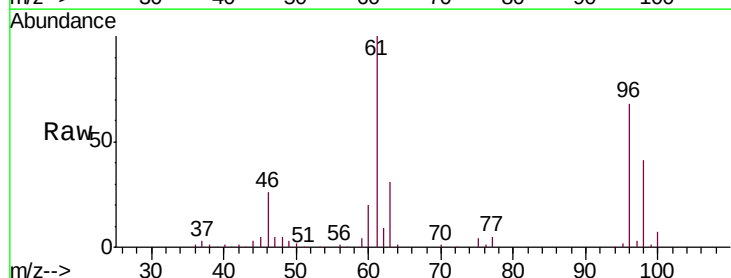
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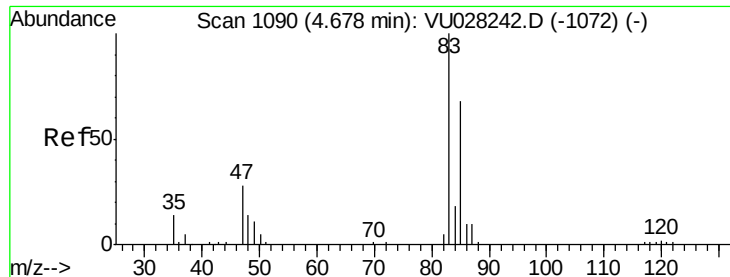
Tgt Ion: 63 Resp: 1704
 Ion Ratio Lower Upper
 63 100
 65 39.7 21.2 39.4#
 83 0.0 8.8 16.4#



#22
 cis-1,2-Dichloroethene
 Concen: 7.986 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028262.D
 Acq: 19 Nov 2018 18:02

Tgt Ion: 96 Resp: 79132
 Ion Ratio Lower Upper
 96 100
 61 147.9 108.0 200.6
 68 0.0 0.0 0.0

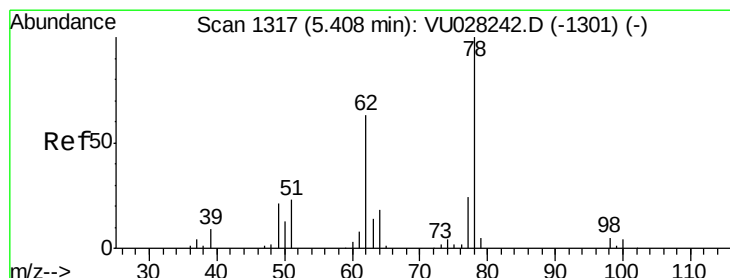
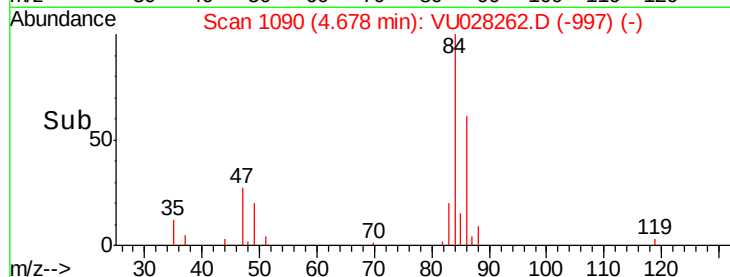
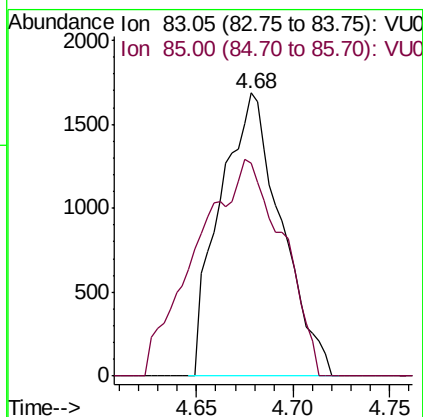
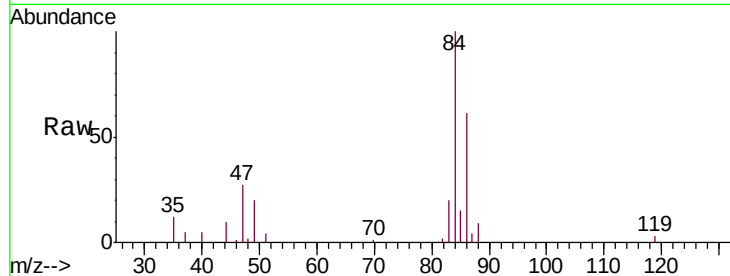




#25
Chloroform
Concen: 0.176 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028262.D
Acq: 19 Nov 2018 18:02

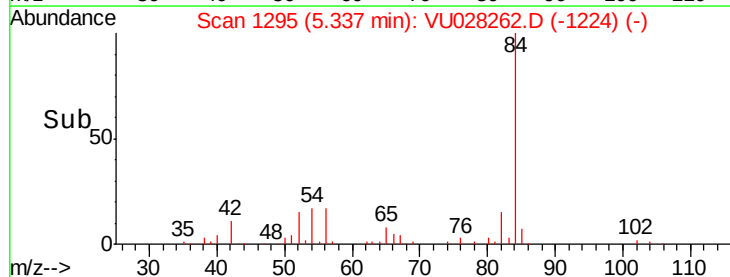
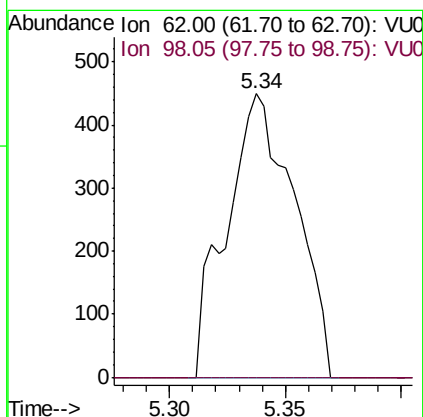
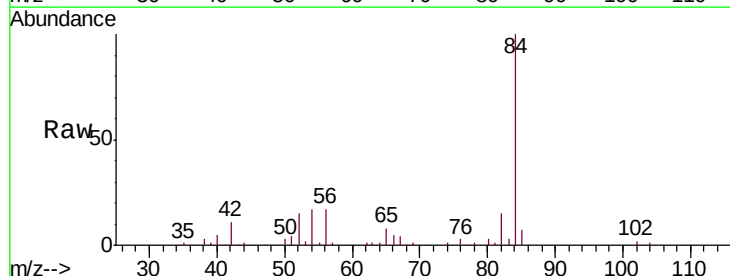
Instrument :
MSVOA_U
ClientSampleId :
H0FG9DL

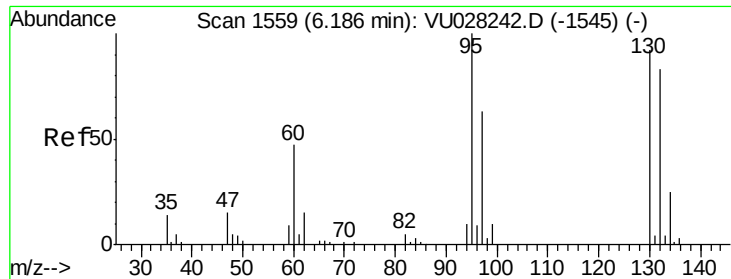
Tgt Ion: 83 Resp: 3708
Ion Ratio Lower Upper
83 100
85 75.3 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.076 ug/L
RT: 5.34 min Scan# 1295
Delta R.T. -0.07 min
Lab File: VU028262.D
Acq: 19 Nov 2018 18:02

Tgt Ion: 62 Resp: 918
Ion Ratio Lower Upper
62 100
98 0.0 6.2 9.4#





#34

Trichloroethene

Concen: 0.087 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

H0FG9DL

Tgt Ion: 95 Resp: 856

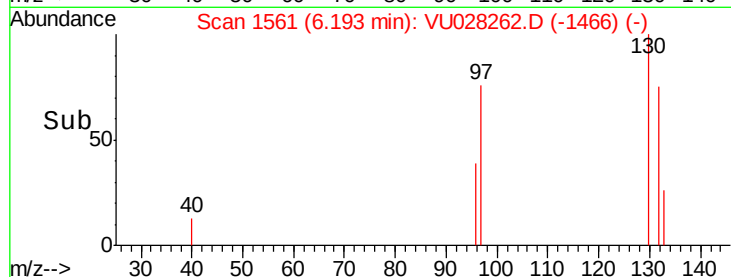
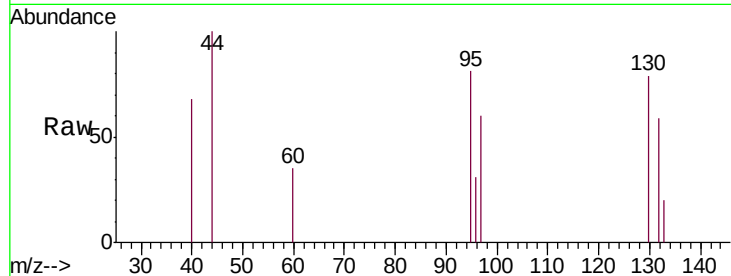
Ion Ratio Lower Upper

95 100

97 74.3 46.5 86.3

132 73.2 58.9 109.3

130 97.9 61.3 113.9

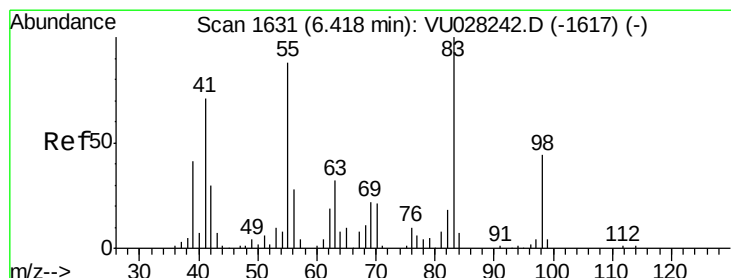
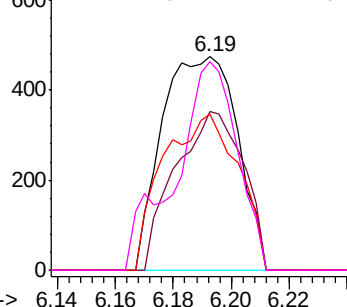


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.819 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

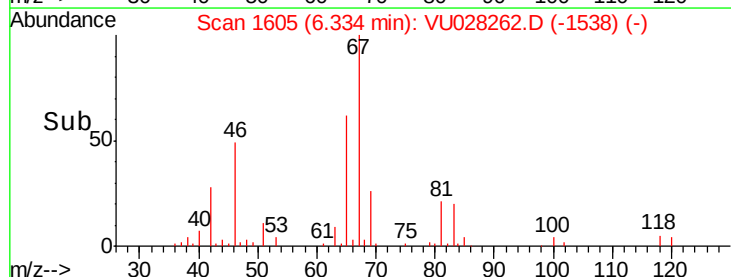
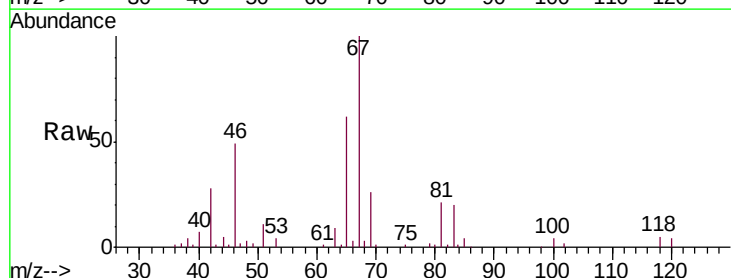
Tgt Ion: 83 Resp: 12695

Ion Ratio Lower Upper

83 100

55 0.0 73.2 109.8#

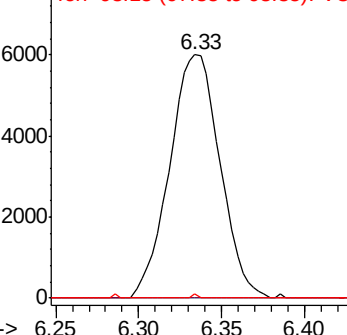
98 0.2 33.4 50.2#

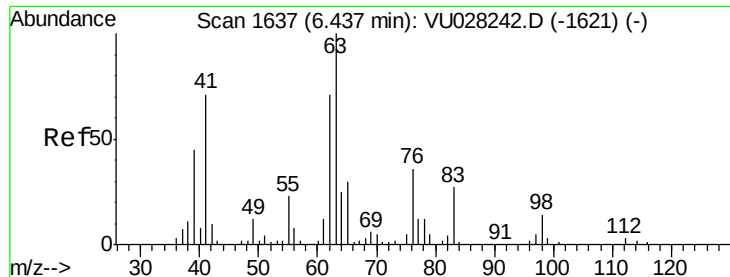


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

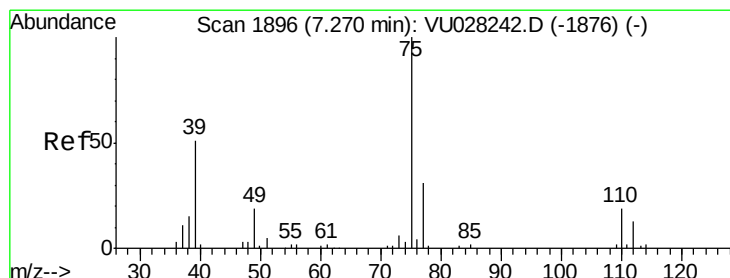
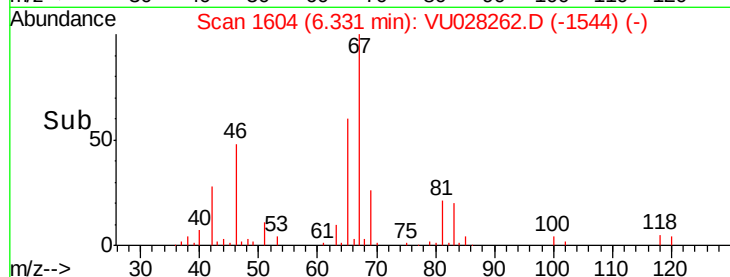
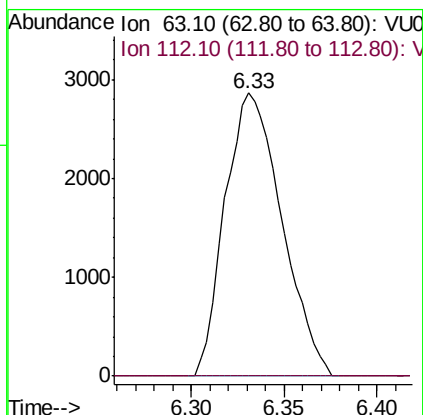
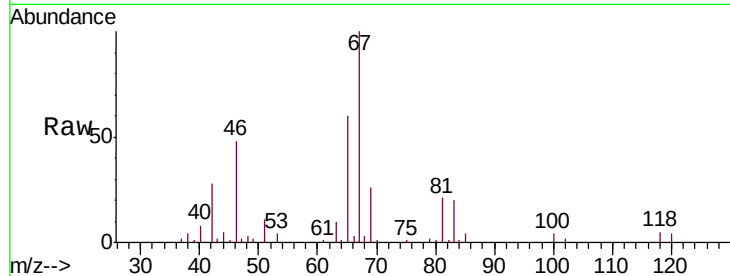




#37
 1,2-Dichloropropane
 Concen: 0.531 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.11 min
 Lab File: VU028262.D
 Acq: 19 Nov 2018 18:02

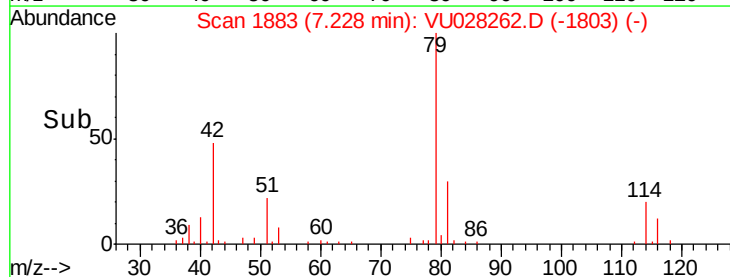
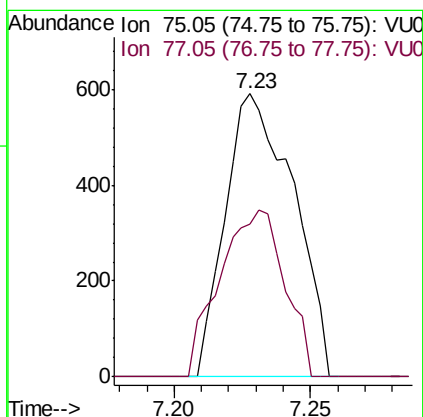
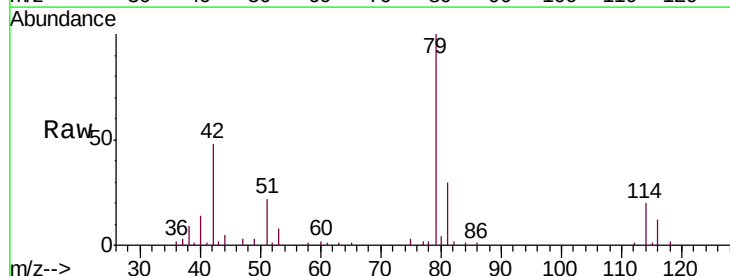
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG9DL

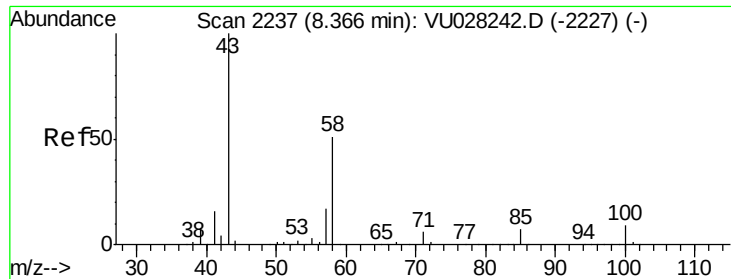
Tgt Ion: 63 Resp: 6089
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028262.D
 Acq: 19 Nov 2018 18:02

Tgt Ion: 75 Resp: 1028
 Ion Ratio Lower Upper
 75 100
 77 54.1 21.7 40.3#

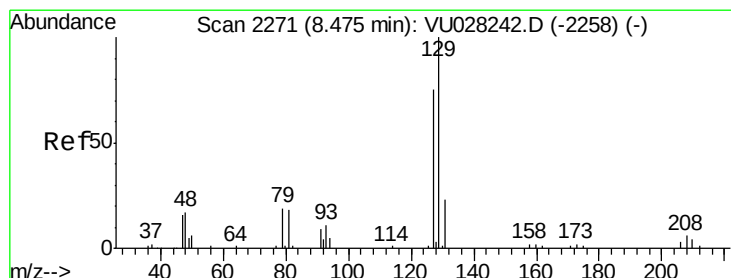
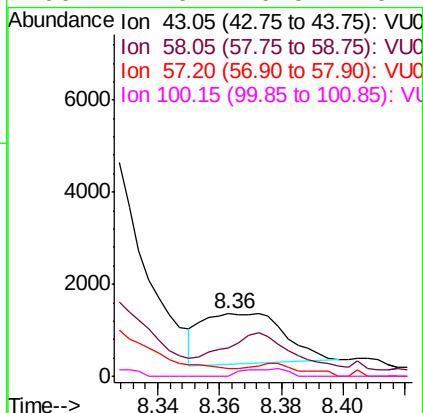
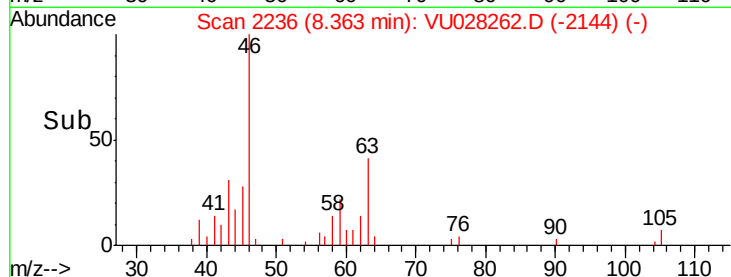
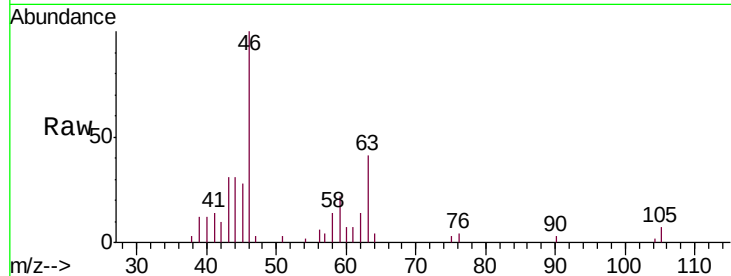




#48
2-Hexanone
Concen: 0.351 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028262.D
Acq: 19 Nov 2018 18:02

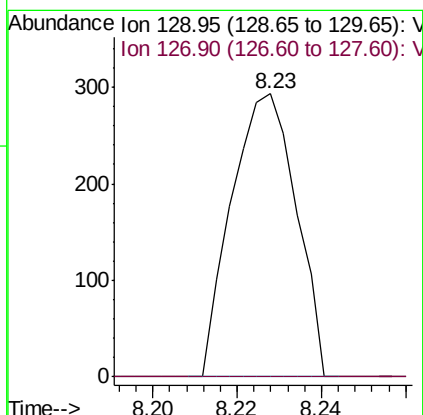
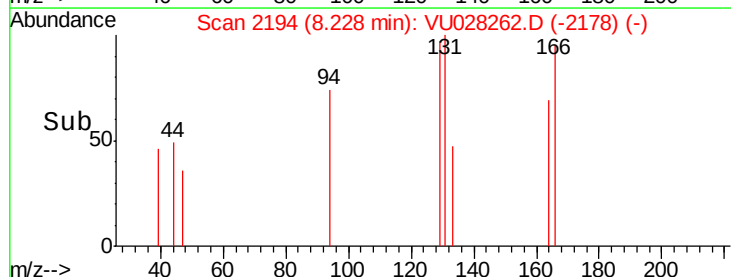
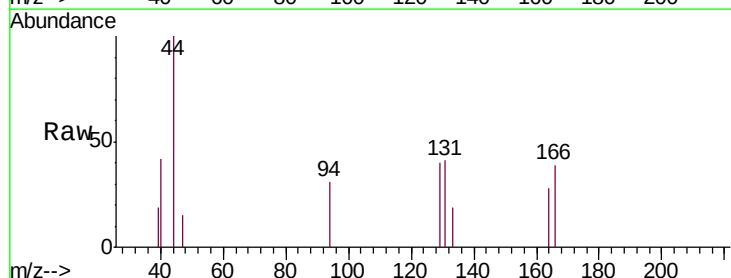
Instrument :
MSVOA_U
ClientSampleId :
H0FG9DL

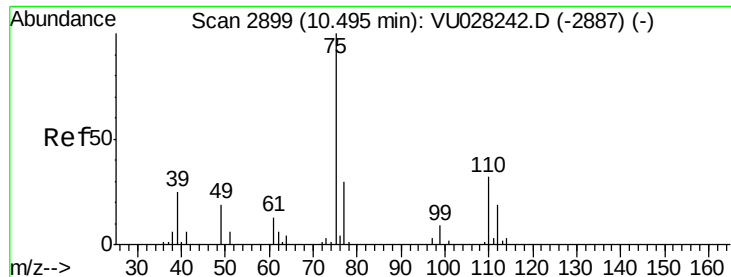
Tgt Ion:	43	Resp:	2052
Ion	Ratio	Lower	Upper
43	100		
58	81.5	41.1	61.7#
57	15.1	13.8	20.8
100	7.6	6.5	9.7



#49
Dibromochloromethane
Concen: 0.045 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028262.D
Acq: 19 Nov 2018 18:02

Tgt Ion:	129	Resp:	312
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#





#59

1,2,3-Trichloropropane

Concen: 1.109 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028262.D

Acq: 19 Nov 2018 18:02

Instrument :

MSVOA_U

ClientSampleId :

H0FG9DL

Tgt Ion: 75 Resp: 7341

Ion Ratio Lower Upper

75 100

77 38.3 25.7 38.5

