

Data File : VU028237.D
Acq On : 17 Nov 2018 20:17
Operator : MD/SY
Sample : J5986-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FJ2

Quant Time: Nov 19 03:12:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	154001	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	149723	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66429	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50717	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.68	69	45389	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.28	63	77511	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.21	46	195730	50.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.94%
24) Chloroform-d	4.65	84	93360	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.31	65	55311	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.34	84	195626	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.33	67	69881	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.57	98	168953	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.85	79	20454	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.31	63	144511	48.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.40%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50834	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	57637	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	5276	0.338	ug/L #	78
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	610	0.061	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	568	0.060	ug/L #	1
17) Methyl tert-butyl Ether	3.01	73	37045	1.301	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	1991	0.197	ug/L	71
19) 1,1-Dichloroethane	3.45	63	2093	0.089	ug/L #	74
22) cis-1,2-Dichloroethene	4.23	96	74083	6.206	ug/L	93
25) Chloroform	4.68	83	3917	0.155	ug/L	99
30) Cyclohexane	5.09	56	2015	0.091	ug/L #	26
33) Benzene	5.40	78	8165	0.165	ug/L	100
34) Trichloroethene	6.19	95	5471	0.452	ug/L #	75
35) Methylcyclohexane	6.33	83	15104	0.793	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	7236	0.513	ug/L #	92
39) cis-1,3-Dichloropropene	7.24	75	1545	0.086	ug/L #	61
48) 2-Hexanone	8.37	43	3829	0.533	ug/L #	91
59) 1,2,3-Trichloropropane	11.48	75	9618	1.181	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration

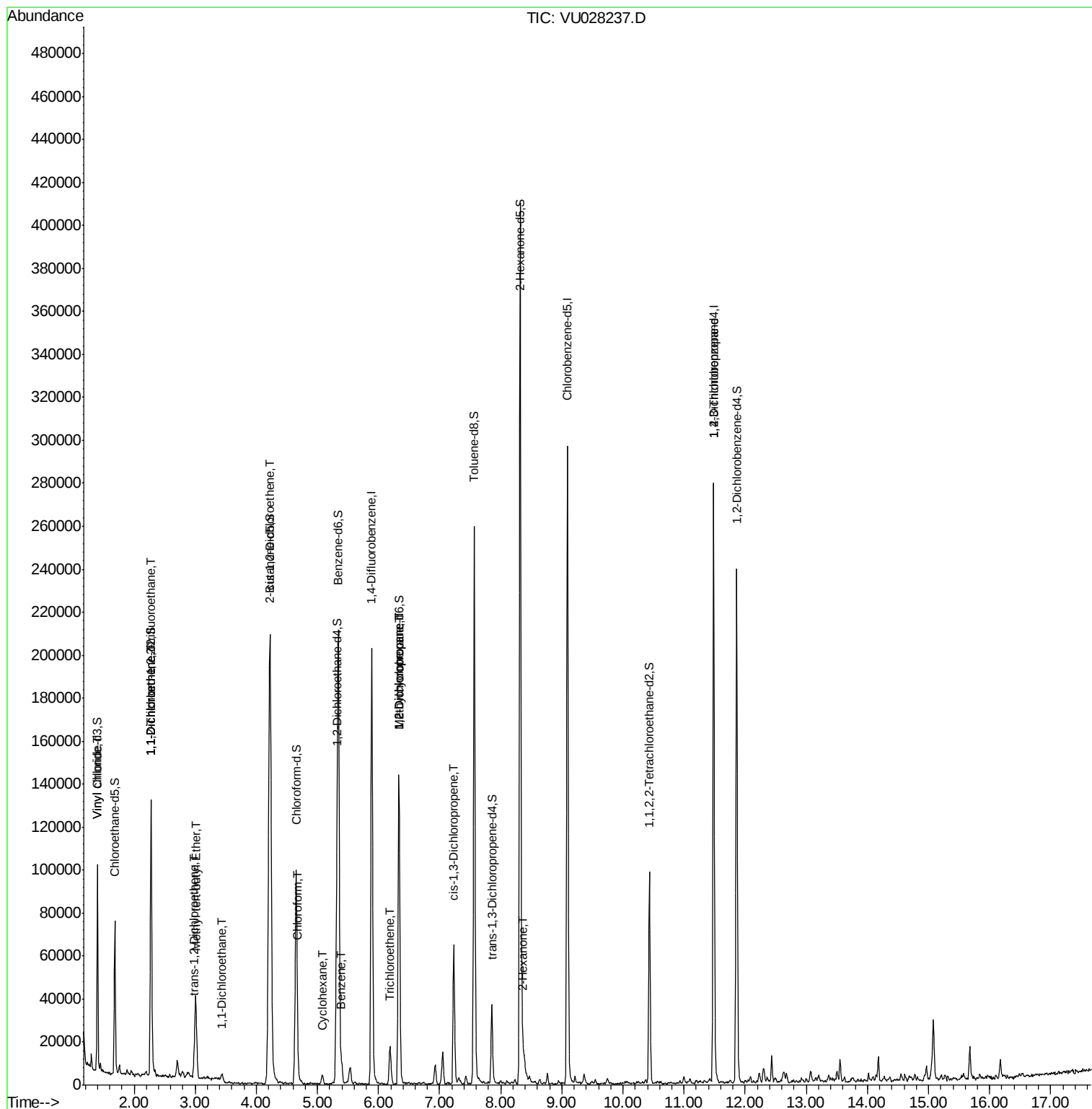
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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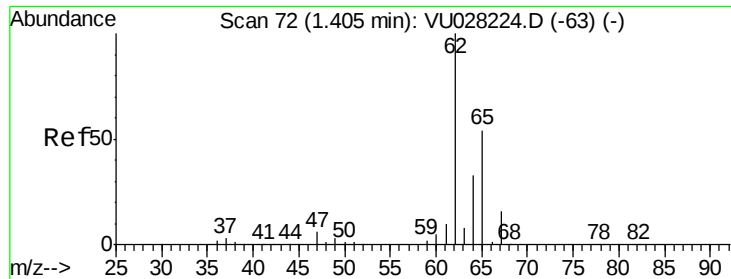
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.338 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

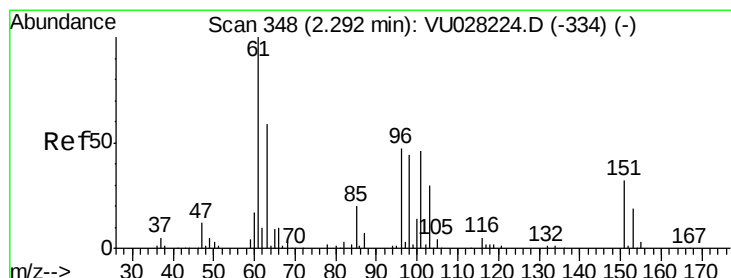
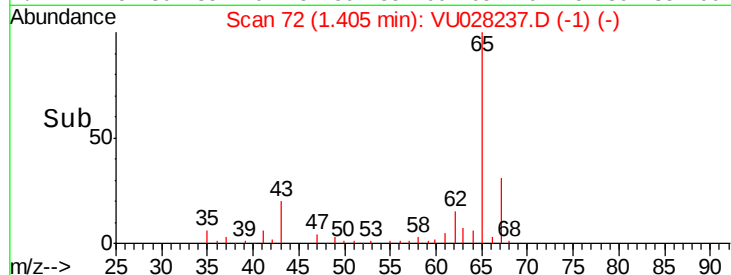
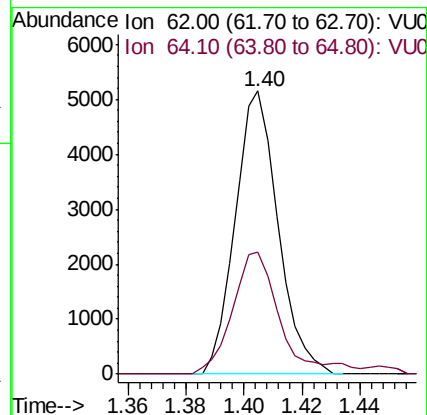
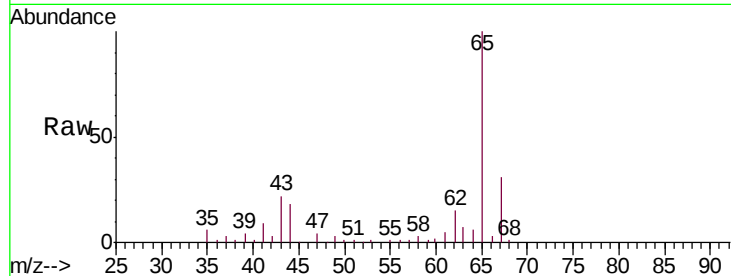
H0FJ2

Tgt Ion: 62 Resp: 5276

Ion Ratio Lower Upper

62 100

64 43.0 21.7 40.3#



#10

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

Concen: 0.061 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

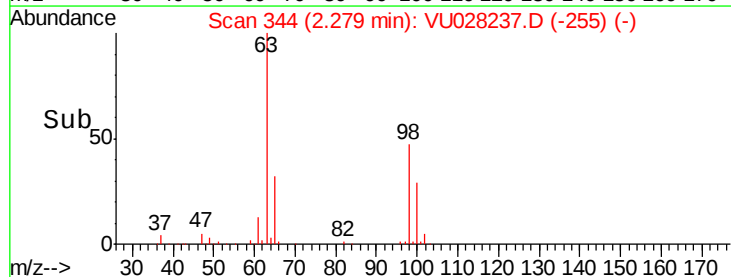
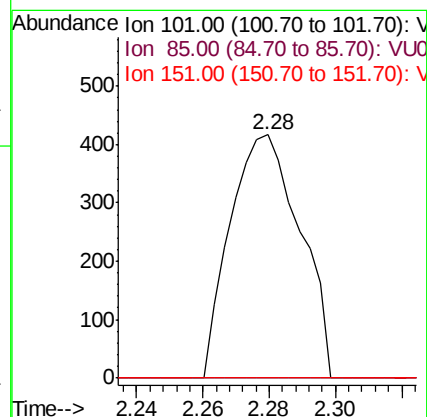
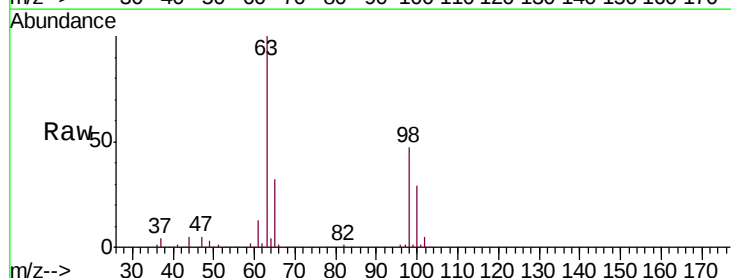
Tgt Ion: 101 Resp: 610

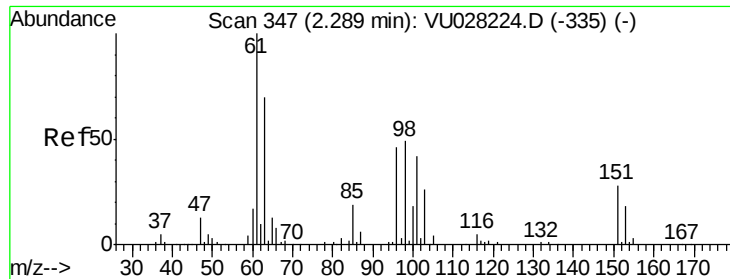
Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 0.0 55.0 82.4#





#12

1,1-Dichloroethene

Concen: 0.060 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

H0FJ2

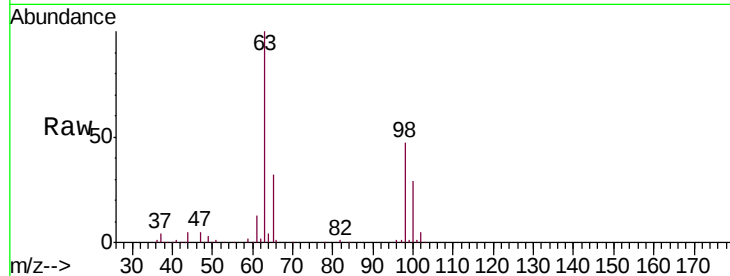
Tgt Ion: 96 Resp: 568

Ion Ratio Lower Upper

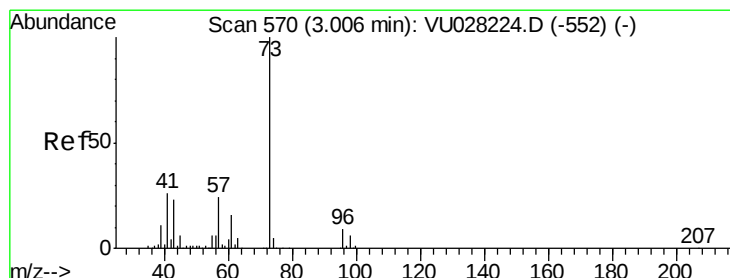
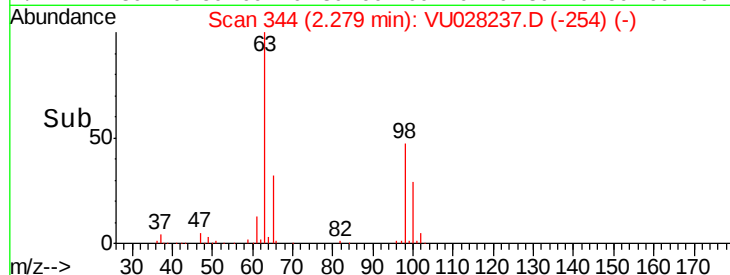
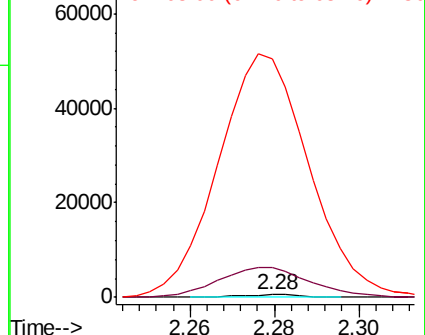
96 100

61 1100.9 145.5 270.1#

63 8674.9 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



#17

Methyl tert-butyl Ether

Concen: 1.301 ug/L

RT: 3.01 min Scan# 571

Delta R.T. -0.00 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

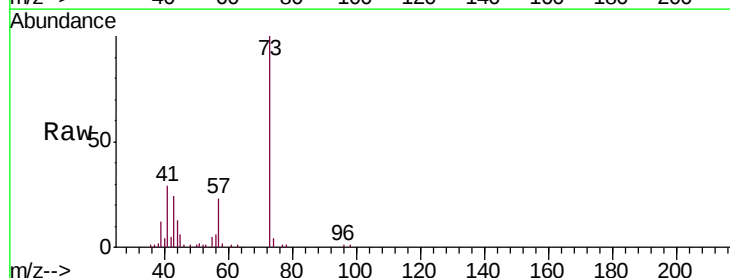
Tgt Ion: 73 Resp: 37045

Ion Ratio Lower Upper

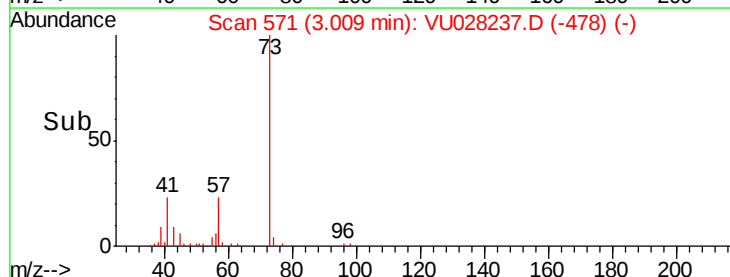
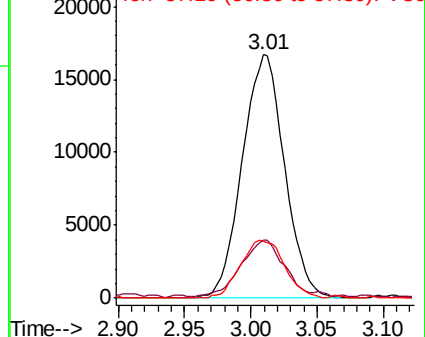
73 100

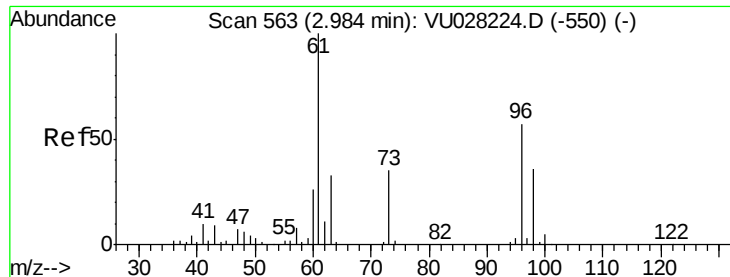
43 25.1 18.8 28.2

57 24.8 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: 0.197 ug/L

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

H0FJ2

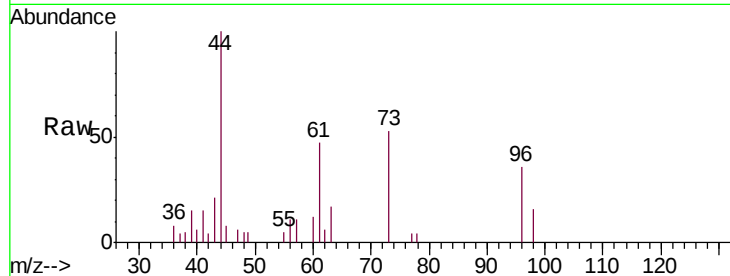
Tgt Ion: 96 Resp: 1991

Ion Ratio Lower Upper

96 100

61 132.2 122.2 227.0

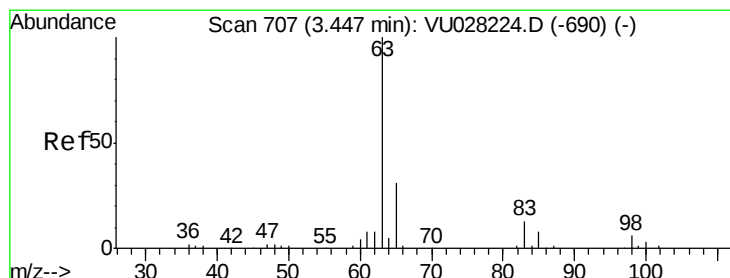
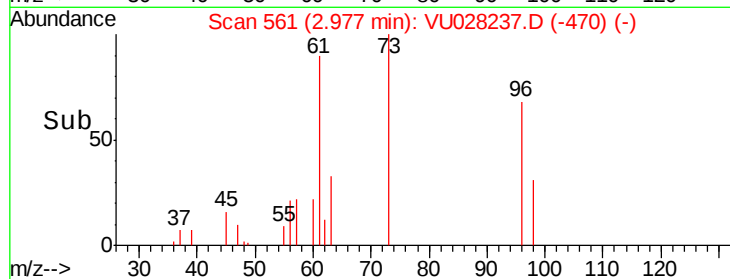
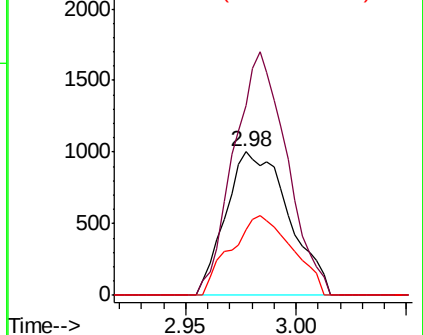
98 45.6 44.9 83.5



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: 0.089 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

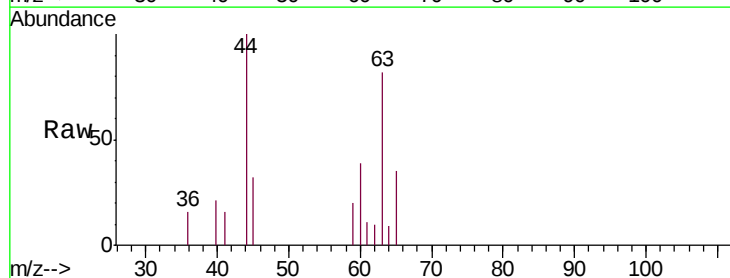
Tgt Ion: 63 Resp: 2093

Ion Ratio Lower Upper

63 100

65 42.9 21.2 39.4#

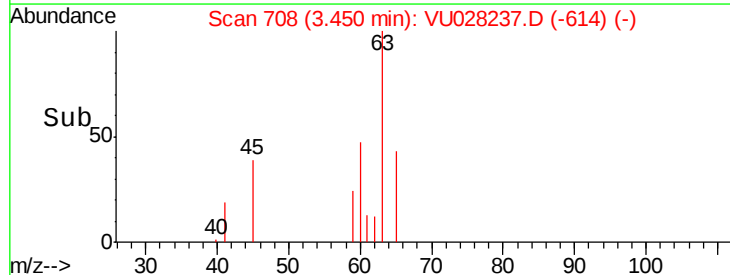
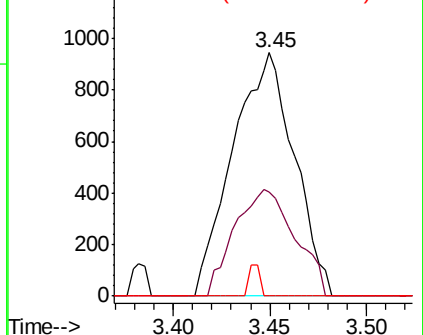
83 0.0 8.8 16.4#

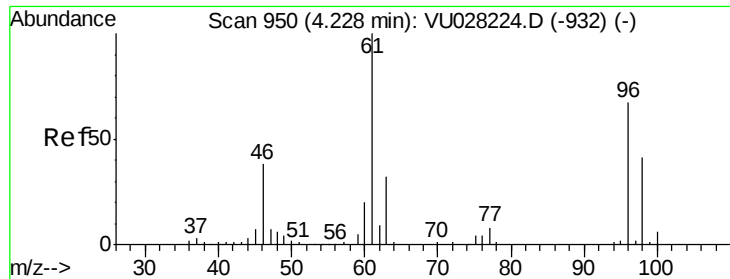


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0

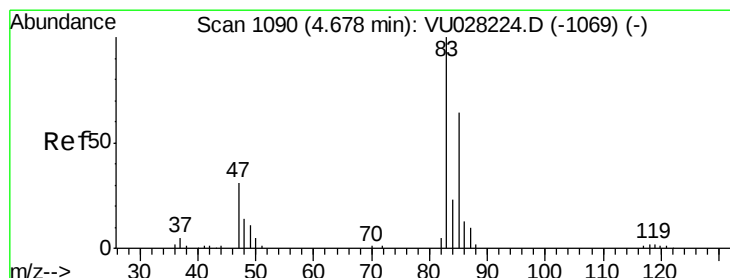
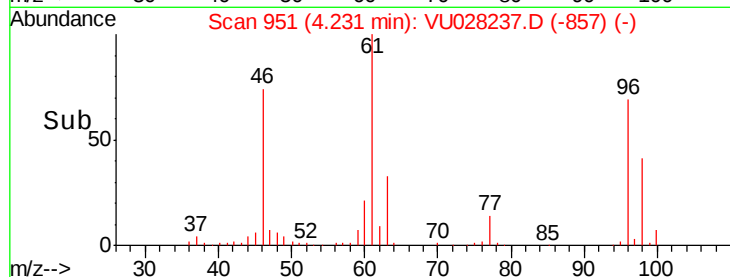
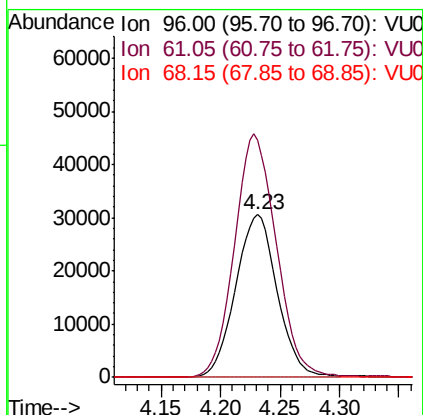
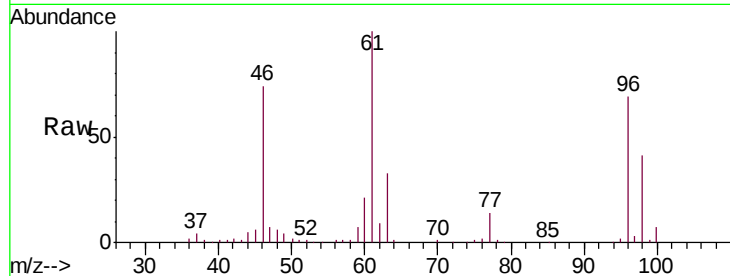




#22
 cis-1,2-Dichloroethene
 Concen: 6.206 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028237.D
 Acq: 17 Nov 2018 20:17

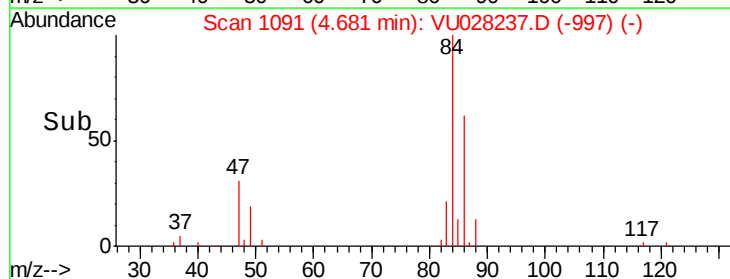
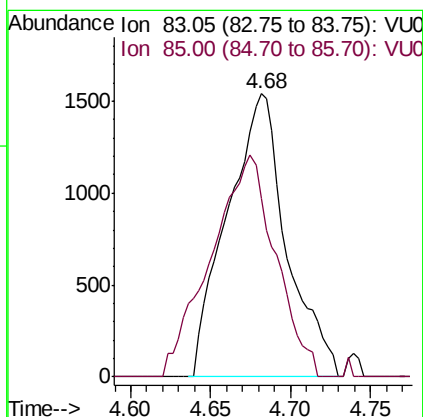
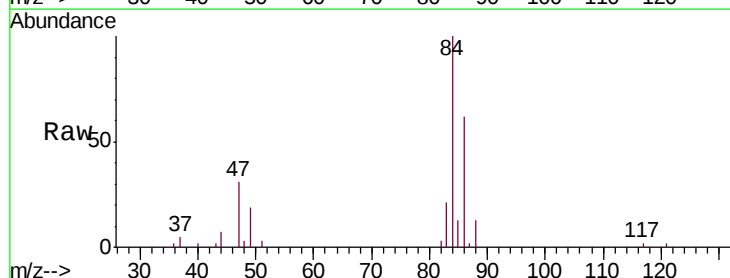
Instrument :
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 ClientSampleId :
 H0FJ2

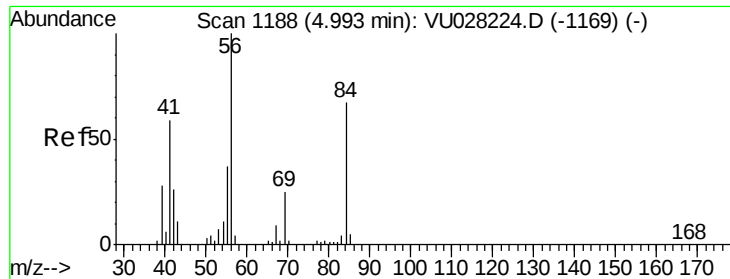
Tgt Ion: 96 Resp: 74083
 Ion Ratio Lower Upper
 96 100
 61 145.6 108.0 200.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.155 ug/L
 RT: 4.68 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VU028237.D
 Acq: 17 Nov 2018 20:17

Tgt Ion: 83 Resp: 3917
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.6 82.8

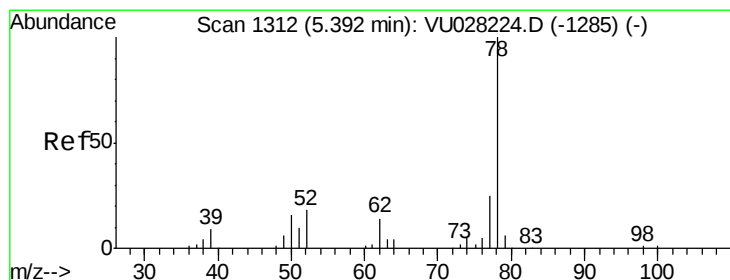
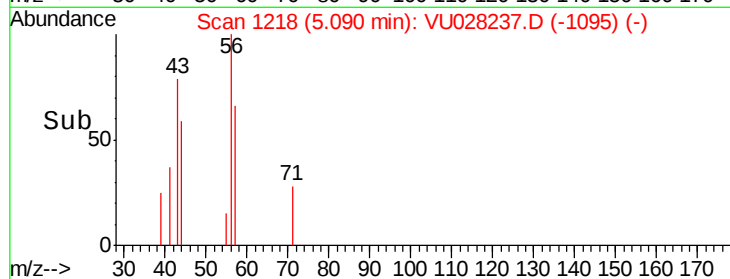
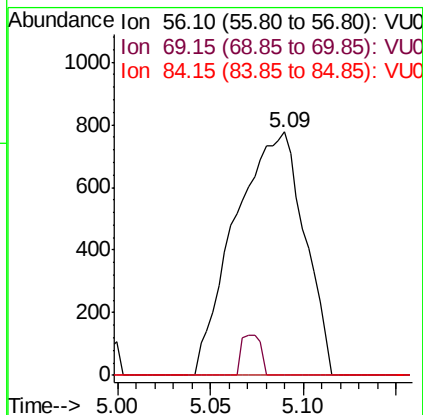
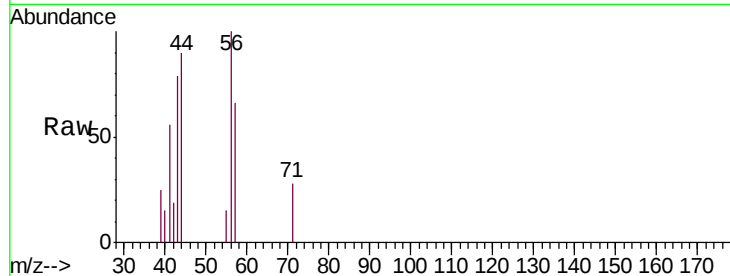




#30
Cyclohexane
Concen: 0.091 ug/L
RT: 5.09 min Scan# 1218
Delta R.T. 0.10 min
Lab File: VU028237.D
Acq: 17 Nov 2018 20:17

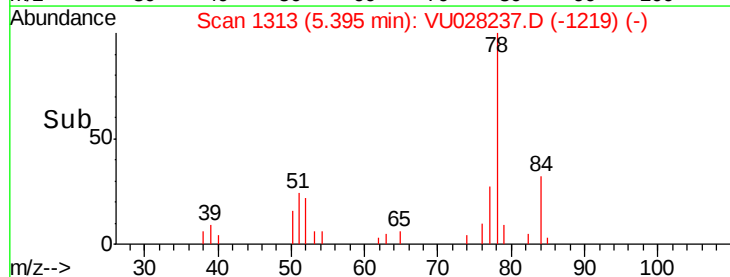
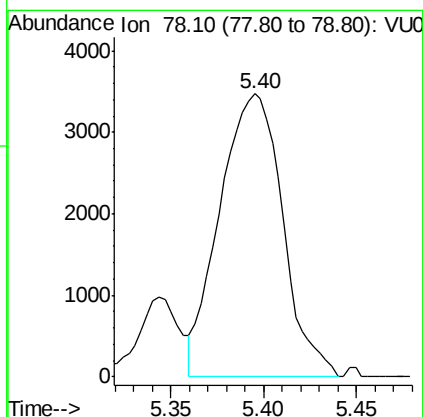
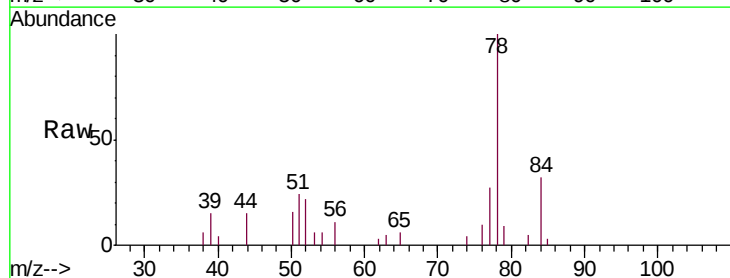
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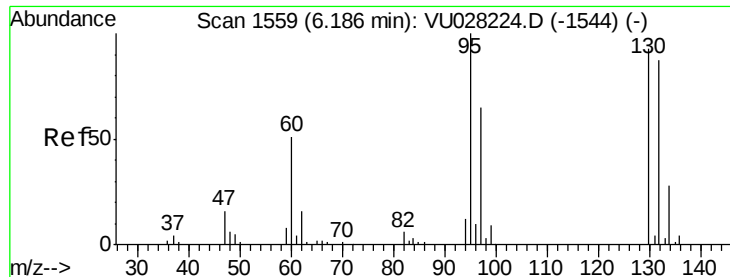
Tgt Ion: 56 Resp: 2015
Ion Ratio Lower Upper
56 100
69 4.6 22.0 33.0#
84 0.0 56.0 84.0#



#33
Benzene
Concen: 0.165 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU028237.D
Acq: 17 Nov 2018 20:17

Tgt Ion: 78 Resp: 8165





#34

Trichloroethene

Concen: 0.452 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

Instrument :

MSVOA_U

ClientSampleId :

H0FJ2

Tgt Ion: 95 Resp: 5471

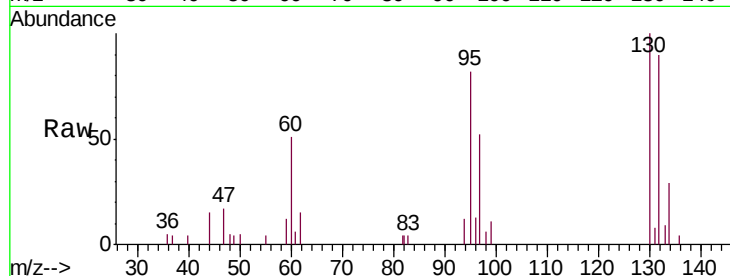
Ion Ratio Lower Upper

95 100

97 64.1 46.5 86.3

132 110.5 58.9 109.3#

130 122.6 61.3 113.9#

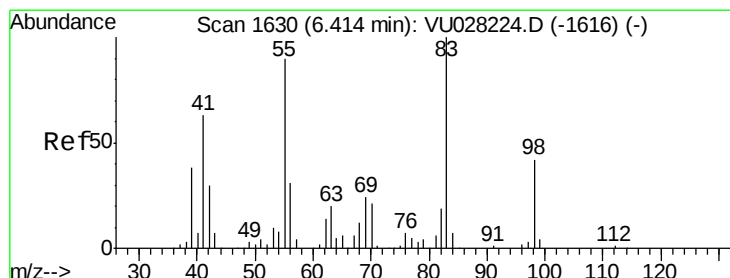
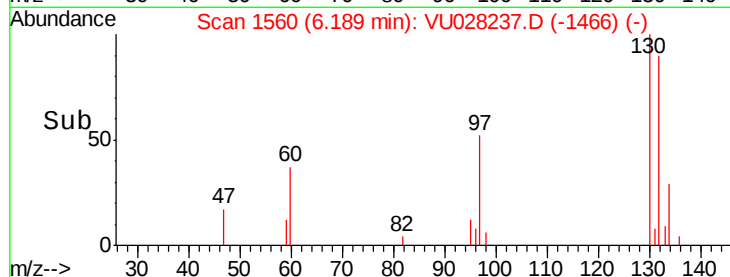
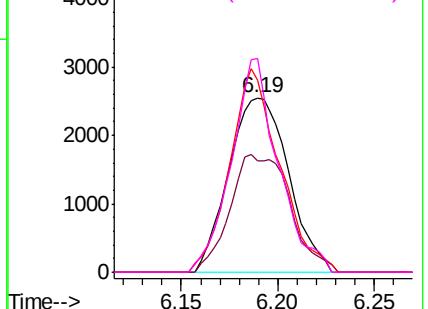


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.793 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028237.D

Acq: 17 Nov 2018 20:17

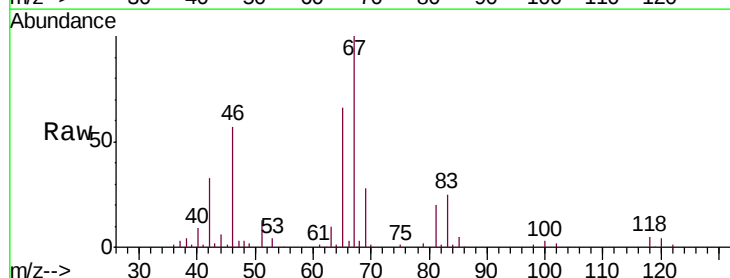
Tgt Ion: 83 Resp: 15104

Ion Ratio Lower Upper

83 100

55 0.7 73.2 109.8#

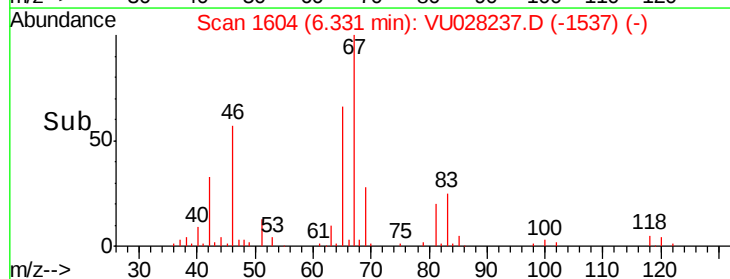
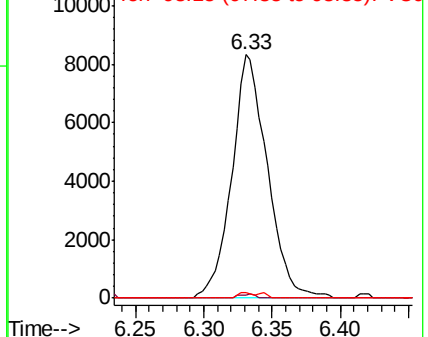
98 0.9 33.4 50.2#

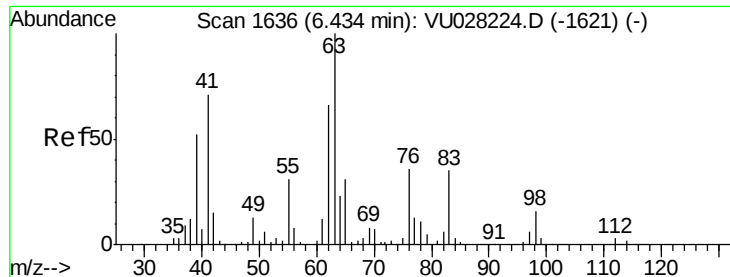


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

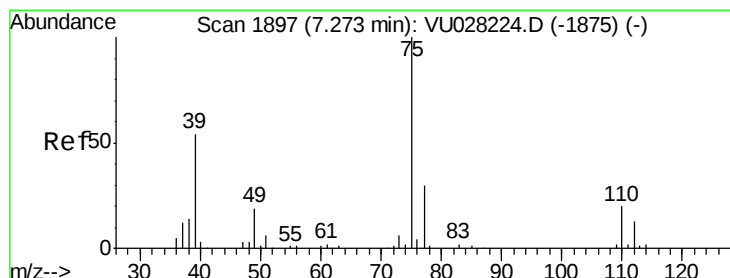
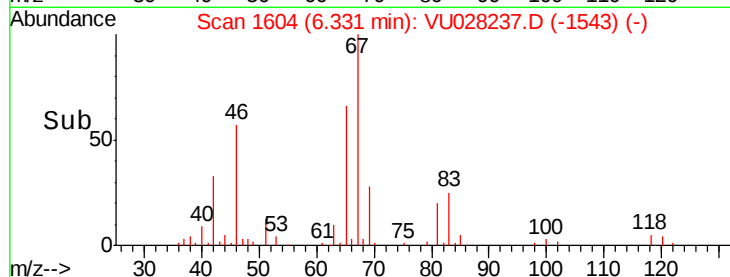
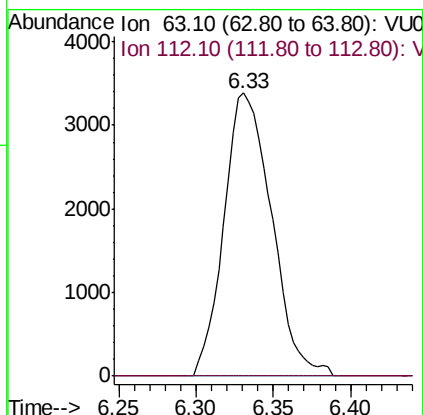
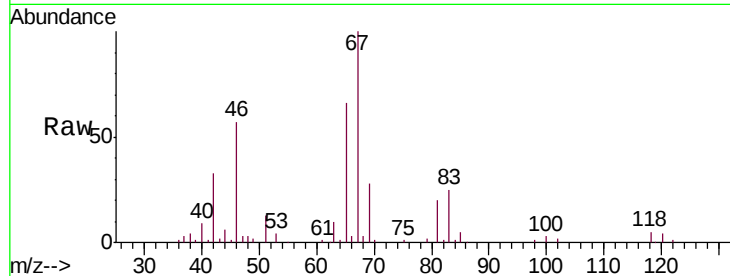




#37
 1,2-Dichloropropane
 Concen: 0.513 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028237.D
 Acq: 17 Nov 2018 20:17

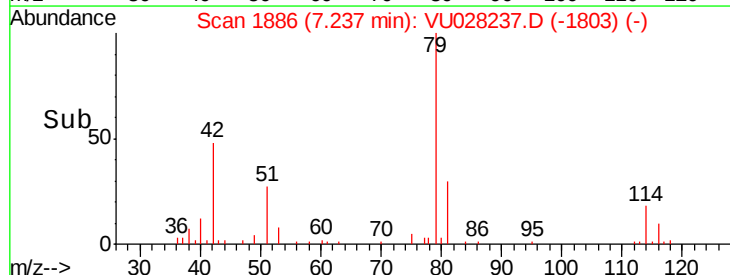
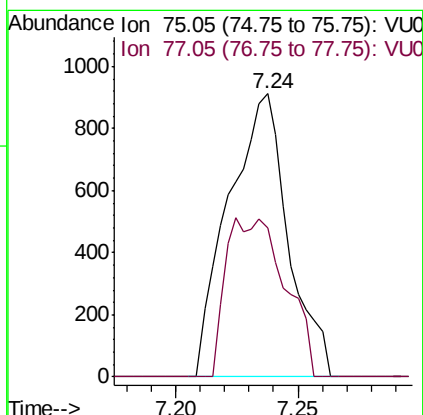
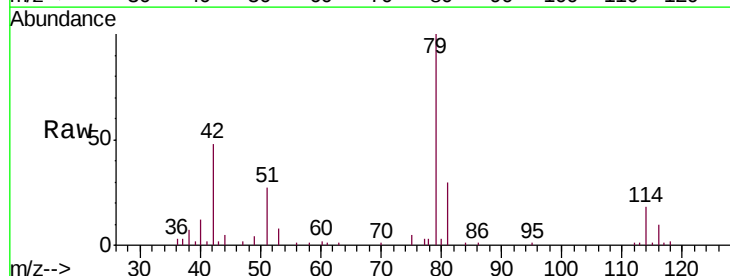
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ2

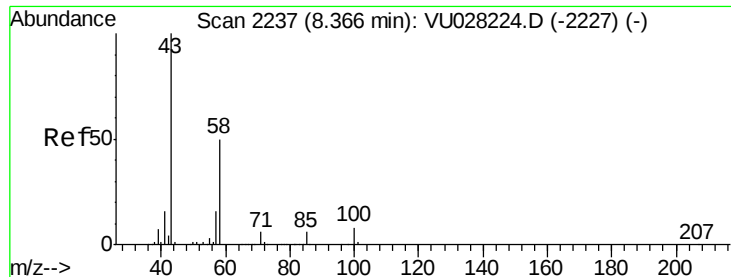
Tgt Ion: 63 Resp: 7236
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.24 min Scan# 1886
 Delta R.T. -0.03 min
 Lab File: VU028237.D
 Acq: 17 Nov 2018 20:17

Tgt Ion: 75 Resp: 1545
 Ion Ratio Lower Upper
 75 100
 77 52.5 21.7 40.3#

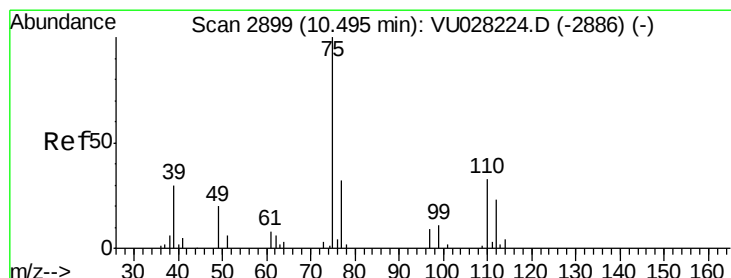
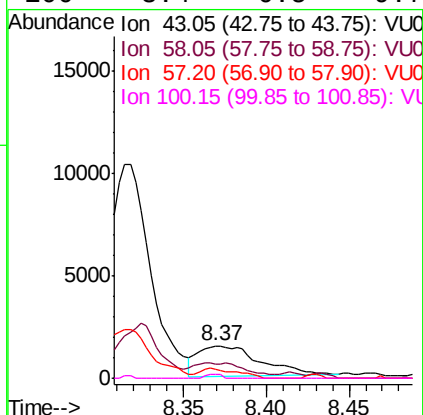
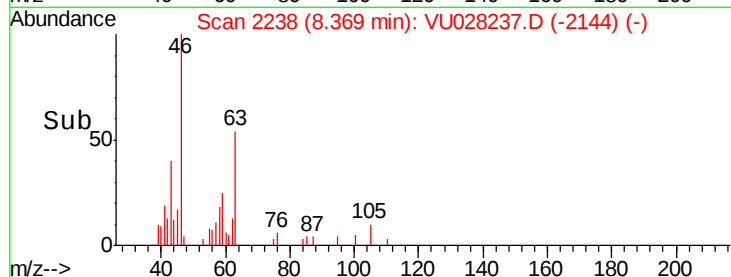
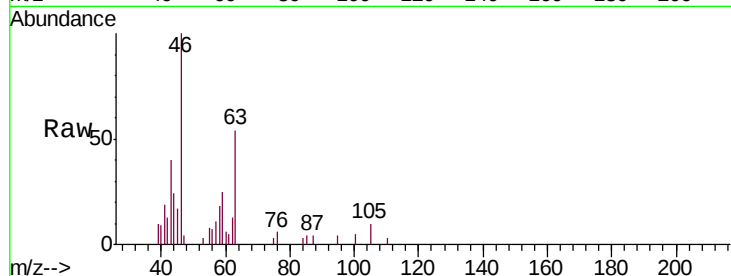




#48
2-Hexanone
Concen: 0.533 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU028237.D
Acq: 17 Nov 2018 20:17

Instrument :
MSVOA_U
ClientSampleId :
H0FJ2

Tgt Ion:	43	Resp:	3829
Ion	Ratio	Lower	Upper
43	100		
58	44.8	41.1	61.7
57	20.4	13.8	20.8
100	3.4	6.5	9.7#



#59
1,2,3-Trichloropropane
Concen: 1.181 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU028237.D
Acq: 17 Nov 2018 20:17

Tgt Ion:	75	Resp:	9618
Ion	Ratio	Lower	Upper
75	100		
77	36.5	25.7	38.5

