

Data File : VU028238.D
Acq On : 17 Nov 2018 20:41
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

Quant Time: Nov 19 03:12:41 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	147067	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	142505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63517	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50541	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.68	69	42808	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.28	63	76631	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.21	46	194886	52.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.24%
24) Chloroform-d	4.65	84	92672	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	55594	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.34	84	194318	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.33	67	70382	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.57	98	169533	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.85	79	20051	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.31	63	145877	51.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52326	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	60908	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

						Qvalue
5) Vinyl chloride	1.41	62	3657	0.245	ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	574	0.060	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	587	0.065	ug/L #	1
13) Acetone	2.31	43	17678	6.941	ug/L	56
15) Methyl Acetate	2.71	43	14339	2.124	ug/L #	59
17) Methyl tert-butyl Ether	3.01	73	154238	5.671	ug/L	97
19) 1,1-Dichloroethane	3.45	63	1244	0.056	ug/L #	84
22) cis-1,2-Dichloroethene	4.23	96	8493	0.745	ug/L	89
25) Chloroform	4.68	83	4710	0.195	ug/L	98
30) Cyclohexane	5.08	56	26572	1.264	ug/L #	24
33) Benzene	5.39	78	13030	0.277	ug/L	100
34) Trichloroethene	6.18	95	1191	0.103	ug/L #	83
35) Methylcyclohexane	6.40	83	1245	0.069	ug/L #	1
37) 1,2-Dichloropropane	6.33	63	7319	0.546	ug/L #	96
39) cis-1,3-Dichloropropene	7.23	75	1619	0.095	ug/L #	38
45) 1,1,2-Trichloroethane	8.04	97	1384	0.171	ug/L #	20
48) 2-Hexanone	8.39	43	2383	0.348	ug/L #	43

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

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Response via : Initial Calibration

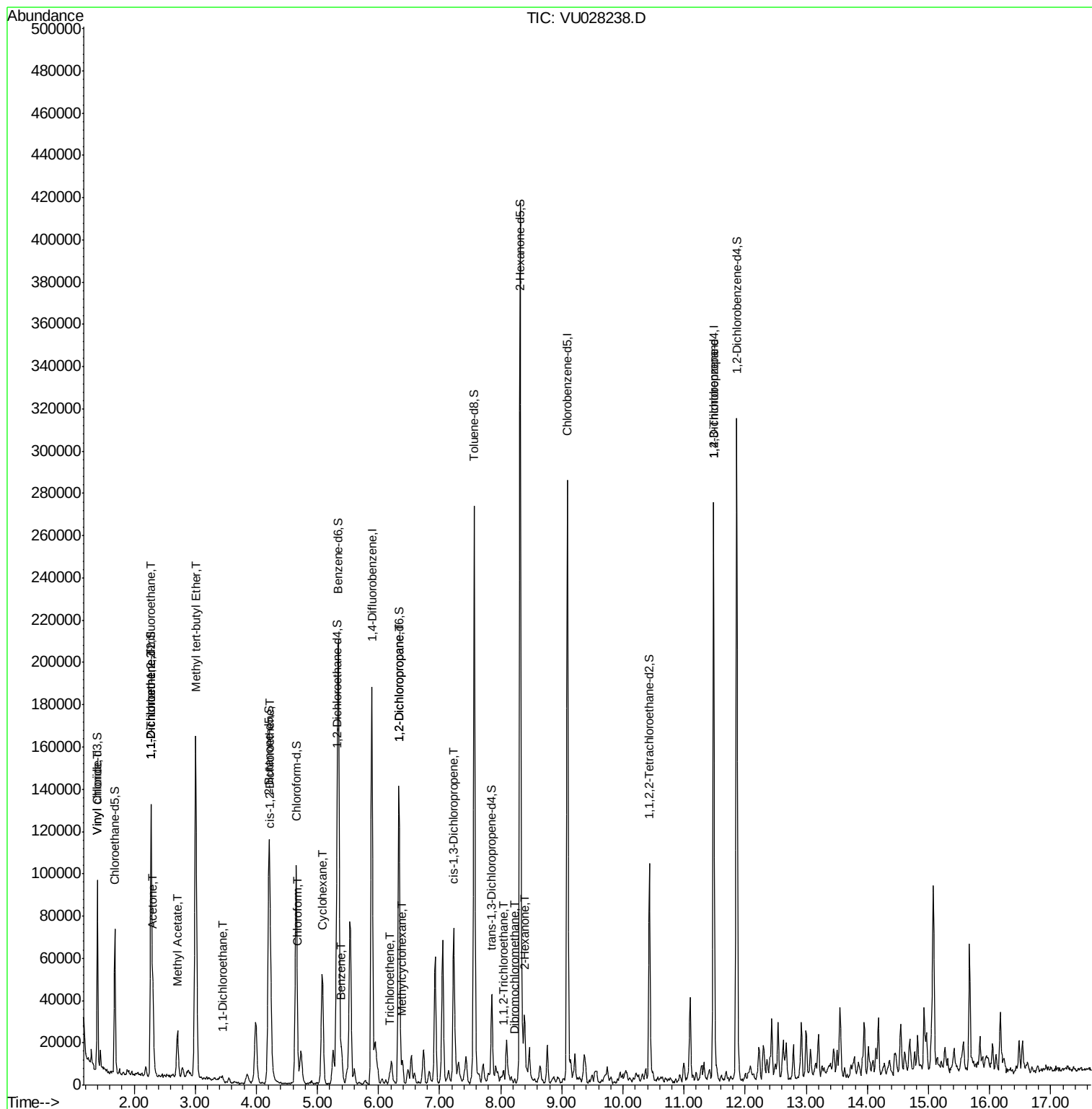
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	330	0.040	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	9850	1.271	ug/L #	81

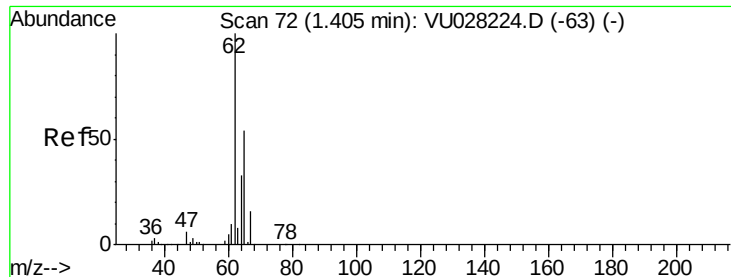
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.245 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028238.D

Acq: 17 Nov 2018 20:41

Instrument :

MSVOA_U

ClientSampleId :

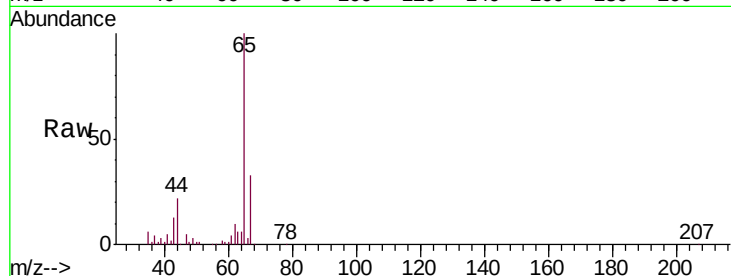
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Tgt Ion: 62 Resp: 3657

Ion Ratio Lower Upper

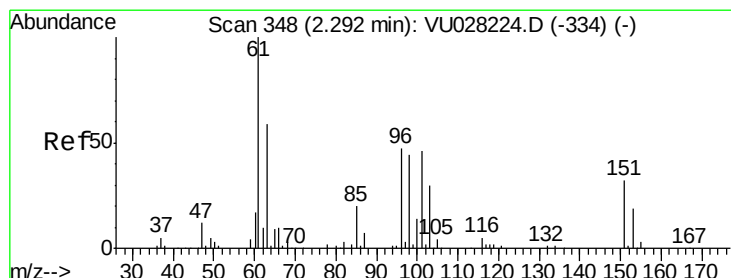
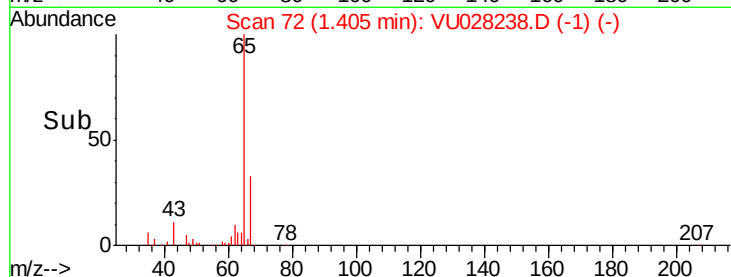
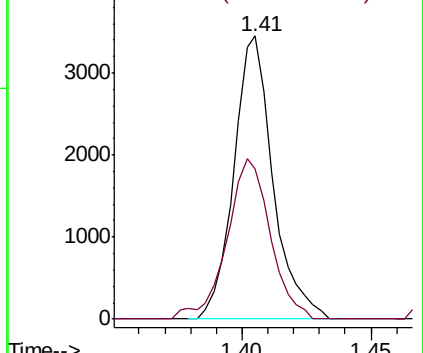
62 100

64 52.9 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#10

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

Concen: 0.060 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028238.D

Acq: 17 Nov 2018 20:41

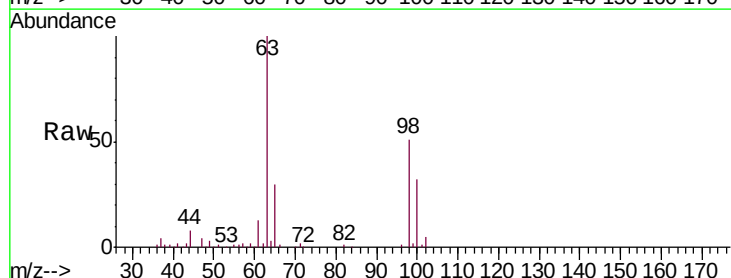
Tgt Ion: 101 Resp: 574

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

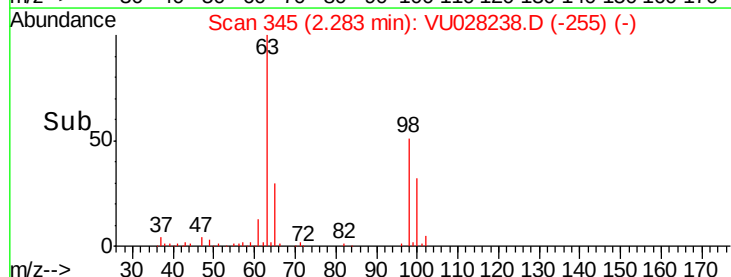
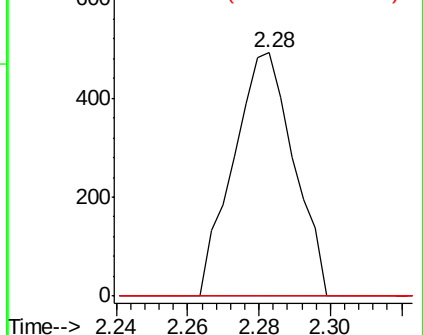
151 0.0 55.0 82.4#

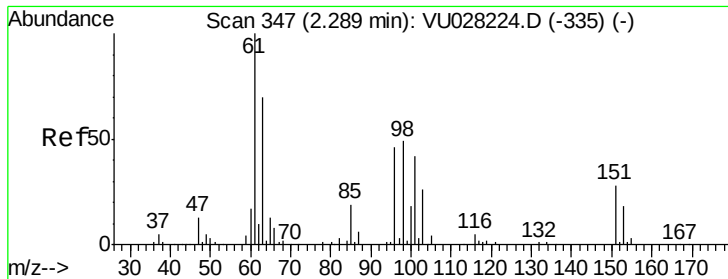


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

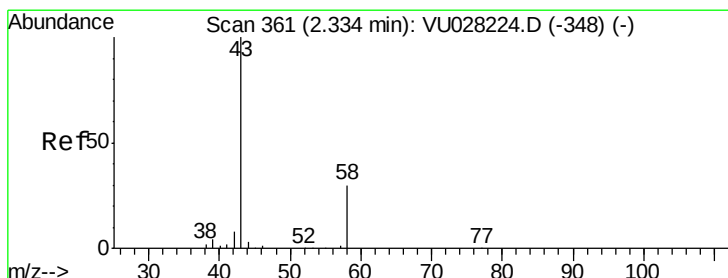
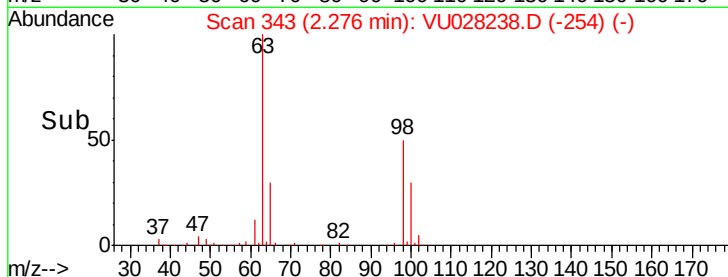
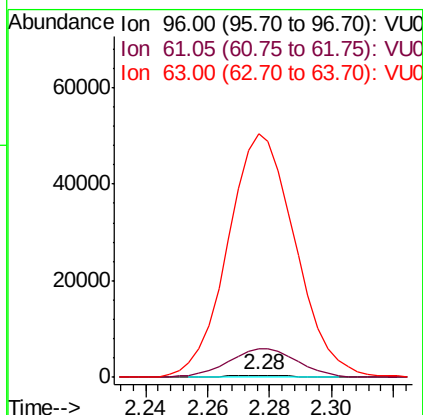
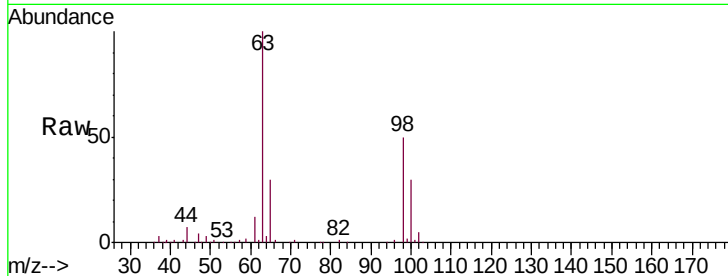




#12
 1,1-Dichloroethene
 Concen: 0.065 ug/L
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU028238.D
 Acq: 17 Nov 2018 20:41

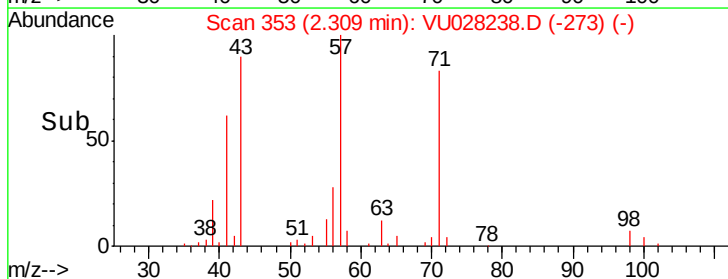
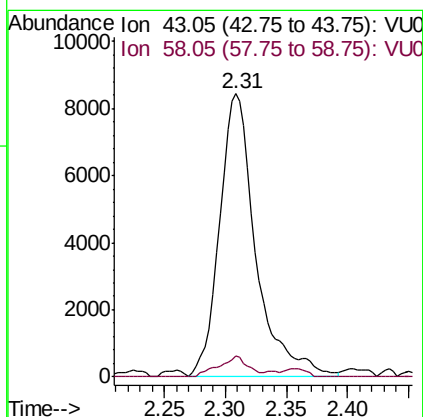
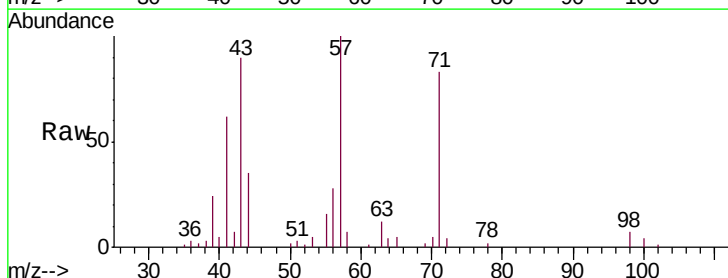
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ8

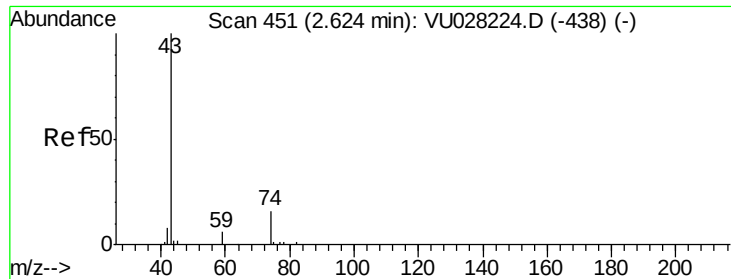
Tgt Ion: 96 Resp: 587
 Ion Ratio Lower Upper
 96 100
 61 1505.3 145.5 270.1#
 63 12594.0 98.6 183.2#



#13
 Acetone
 Concen: 6.941 ug/L
 RT: 2.31 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VU028238.D
 Acq: 17 Nov 2018 20:41

Tgt Ion: 43 Resp: 17678
 Ion Ratio Lower Upper
 43 100
 58 6.0 0.0 58.6

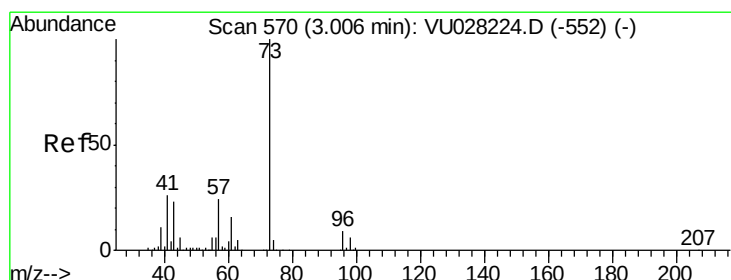
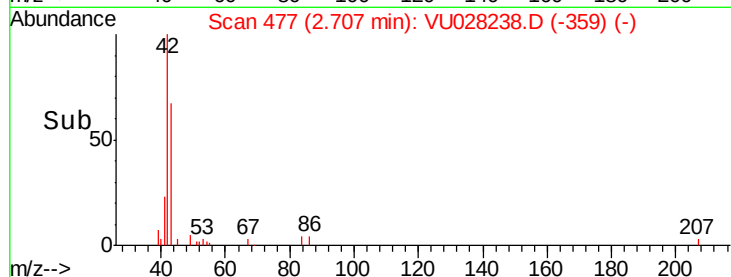
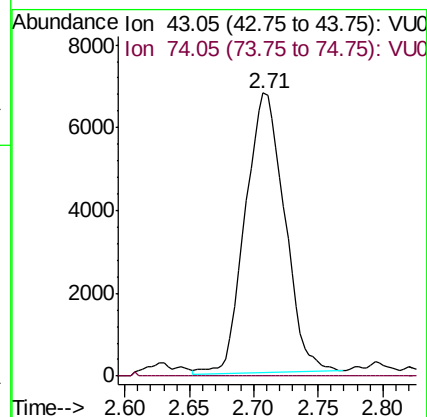
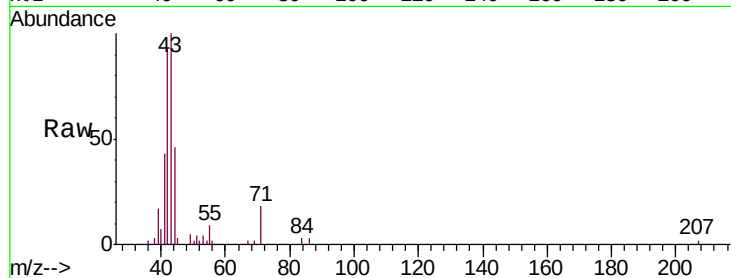




#15
Methyl Acetate
Concen: 2.124 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.08 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

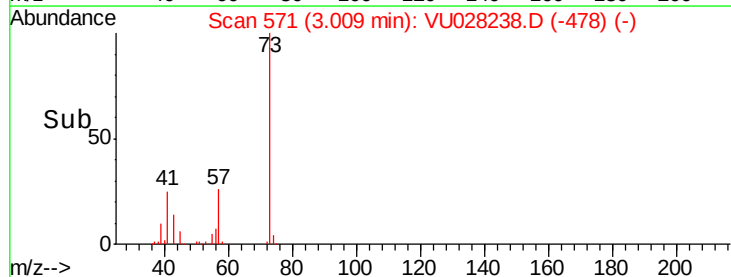
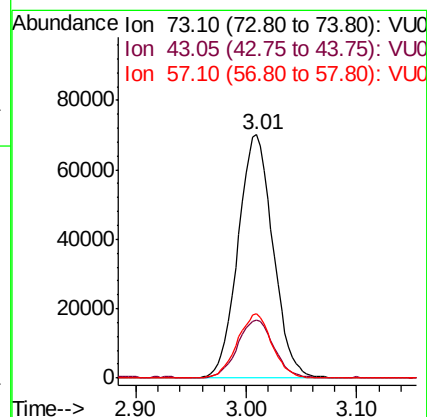
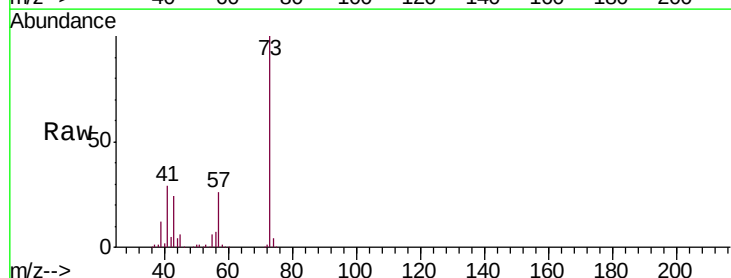
Instrument :
MSVOA_U
ClientSampleId :
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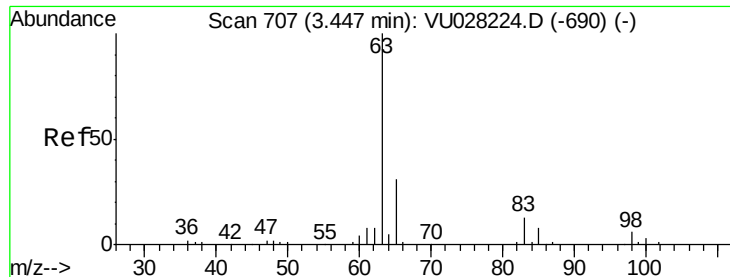
Tgt Ion: 43 Resp: 14339
Ion Ratio Lower Upper
43 100
74 0.1 14.7 22.1#



#17
Methyl tert-butyl Ether
Concen: 5.671 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Tgt Ion: 73 Resp: 154238
Ion Ratio Lower Upper
73 100
43 24.1 18.8 28.2
57 26.2 19.2 28.8

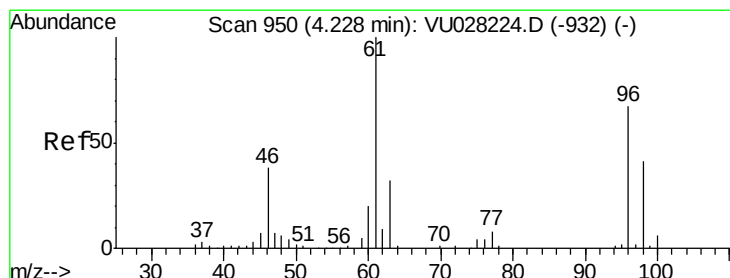
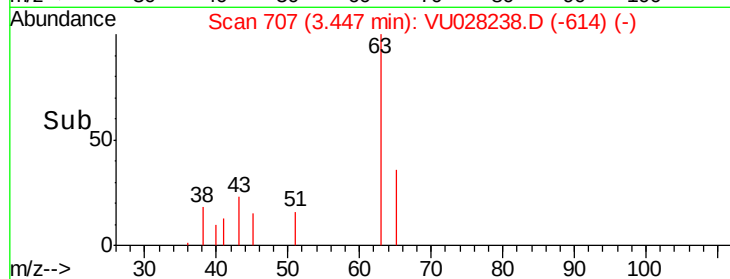
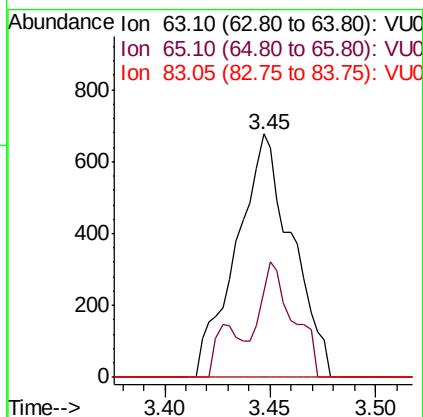
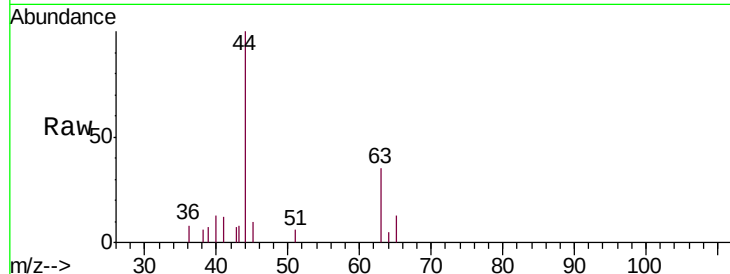




#19
 1,1-Dichloroethane
 Concen: 0.056 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028238.D
 Acq: 17 Nov 2018 20:41

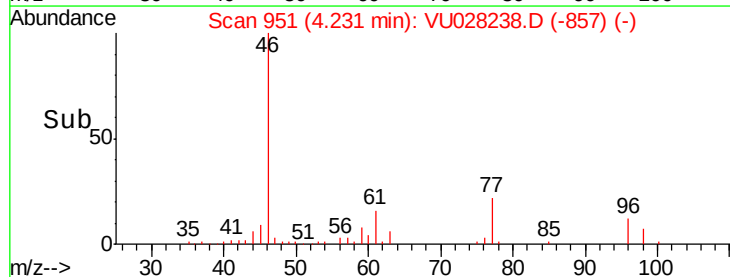
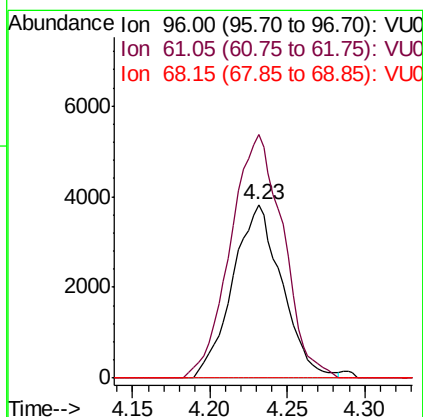
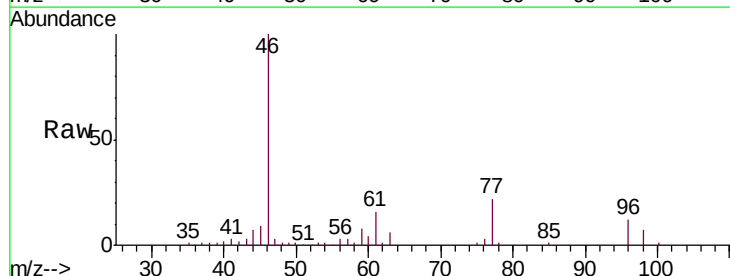
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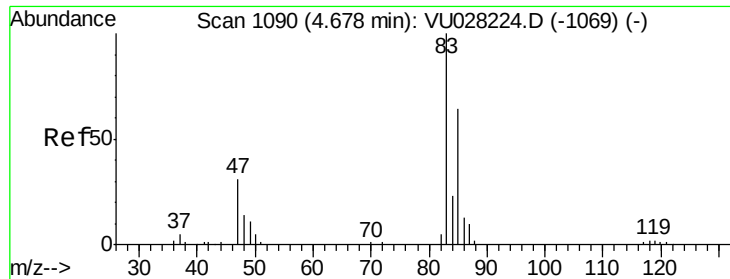
Tgt Ion: 63 Resp: 1244
 Ion Ratio Lower Upper
 63 100
 65 35.6 21.2 39.4
 83 0.0 8.8 16.4#



#22
 cis-1,2-Dichloroethene
 Concen: 0.745 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028238.D
 Acq: 17 Nov 2018 20:41

Tgt Ion: 96 Resp: 8493
 Ion Ratio Lower Upper
 96 100
 61 140.5 108.0 200.6
 68 0.0 0.0 0.0

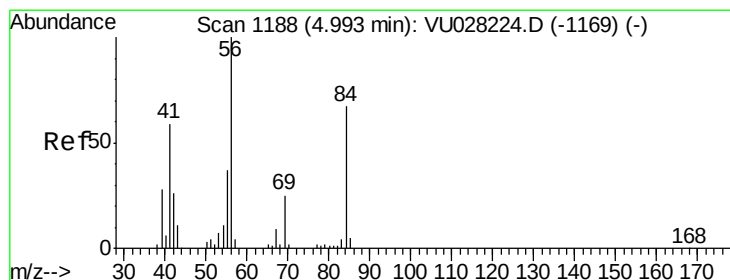
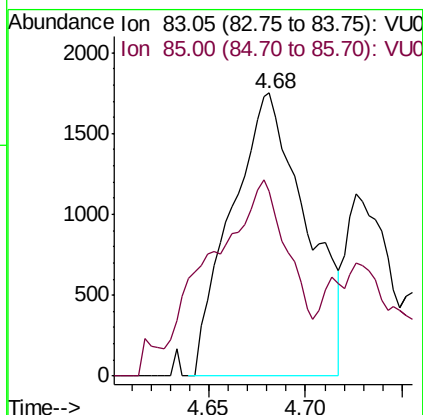
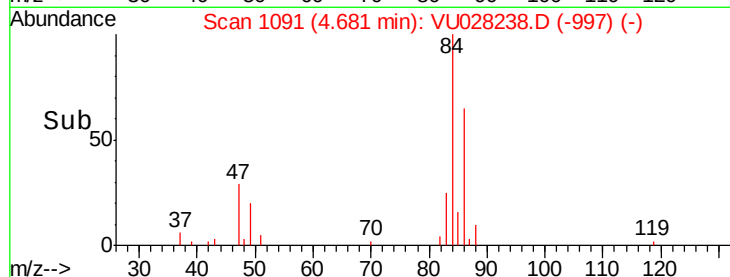
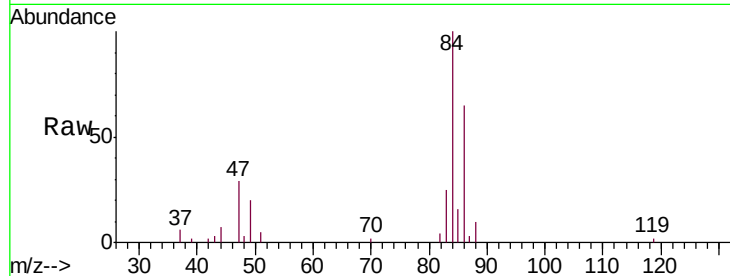




#25
Chloroform
Concen: 0.195 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

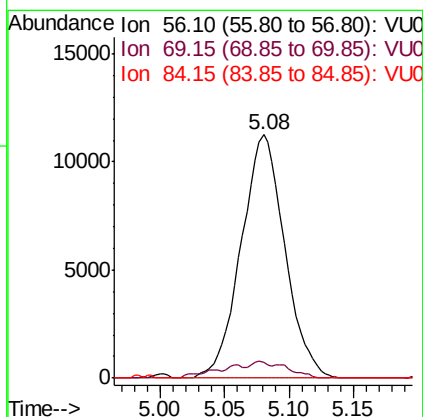
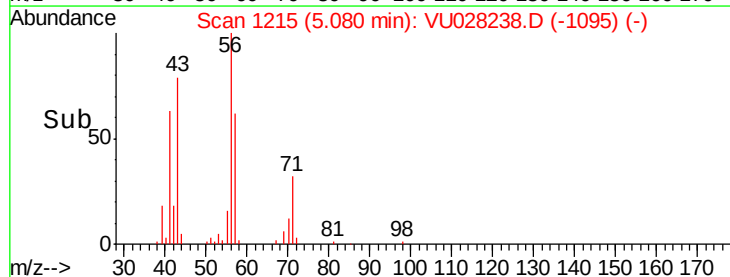
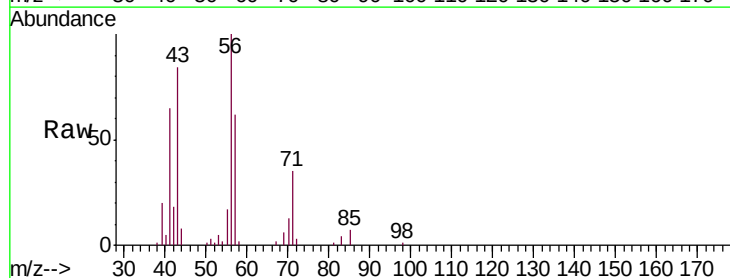
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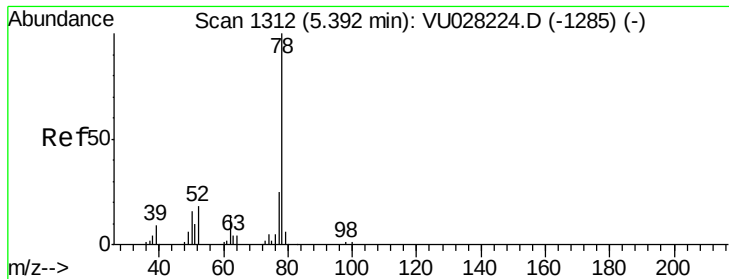
Tgt Ion: 83 Resp: 4710
Ion Ratio Lower Upper
83 100
85 65.1 44.6 82.8



#30
Cyclohexane
Concen: 1.264 ug/L
RT: 5.08 min Scan# 1215
Delta R.T. 0.09 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Tgt Ion: 56 Resp: 26572
Ion Ratio Lower Upper
56 100
69 0.9 22.0 33.0#
84 0.0 56.0 84.0#

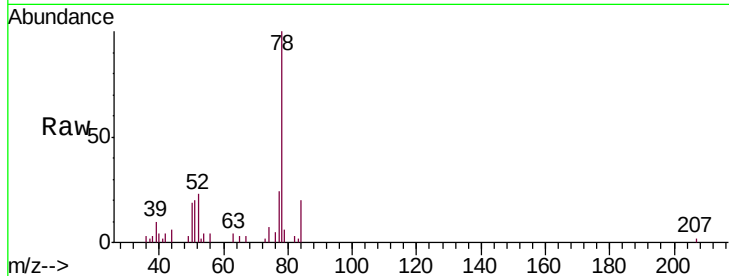




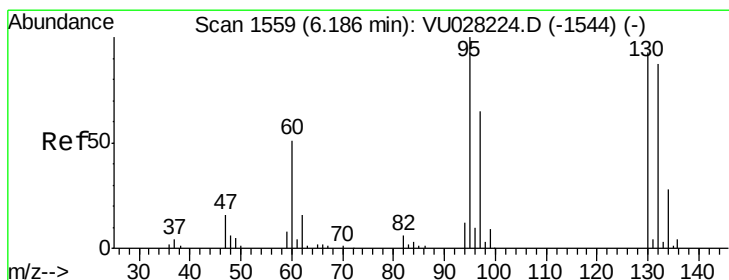
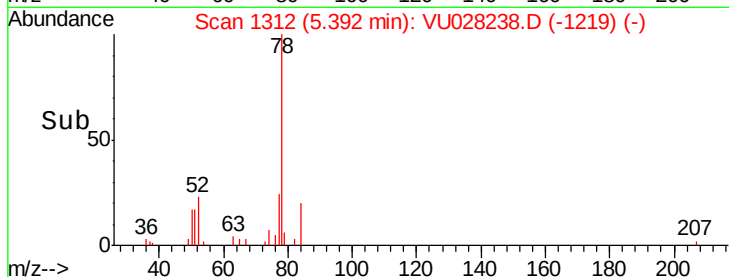
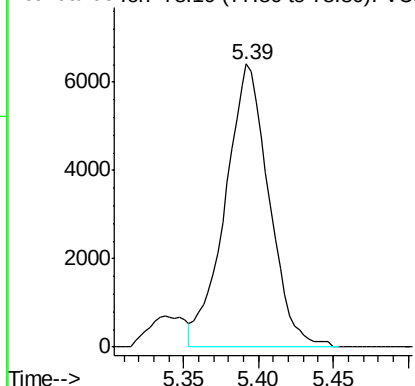
#33
Benzene
Concen: 0.277 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

Tgt Ion: 78 Resp: 13030



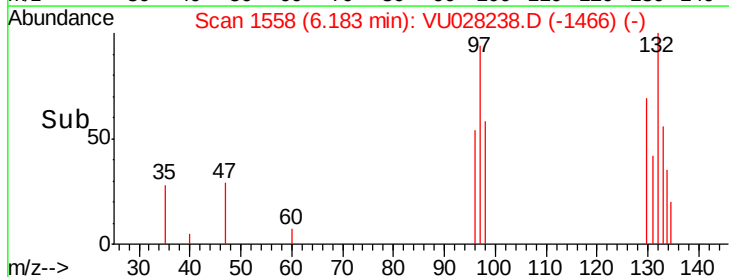
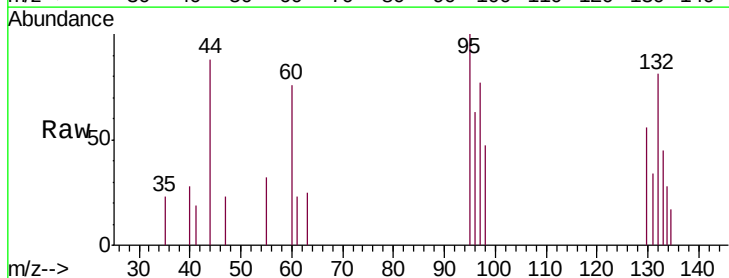
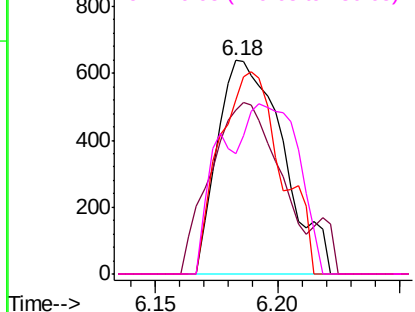
Abundance Ion 78.10 (77.80 to 78.80): VU0

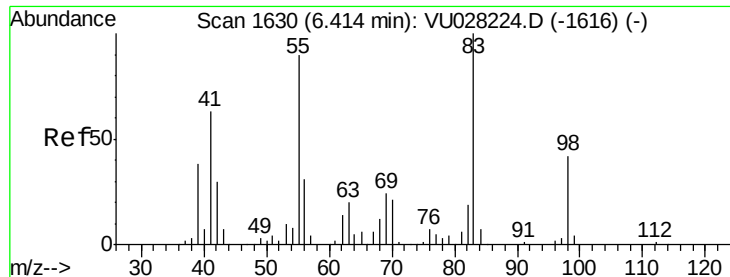


#34
Trichloroethene
Concen: 0.103 ug/L
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Tgt Ion: 95 Resp: 1191
Ion Ratio Lower Upper
95 100
97 76.8 46.5 86.3
132 81.4 58.9 109.3
130 56.2 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

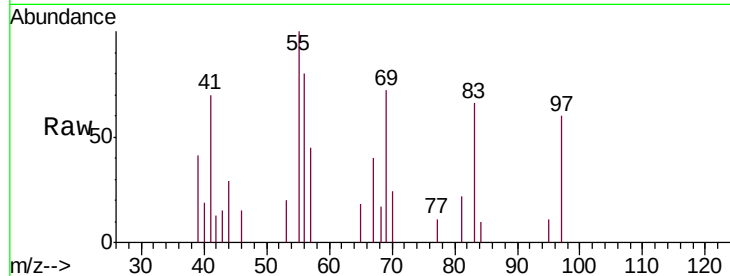




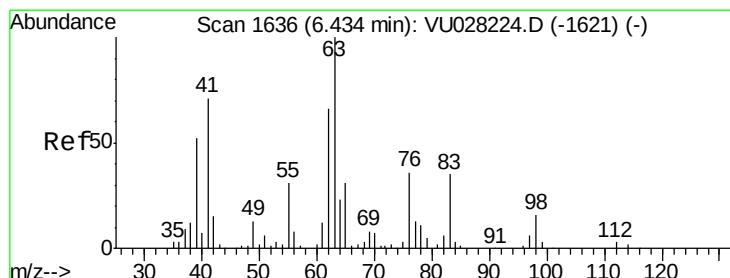
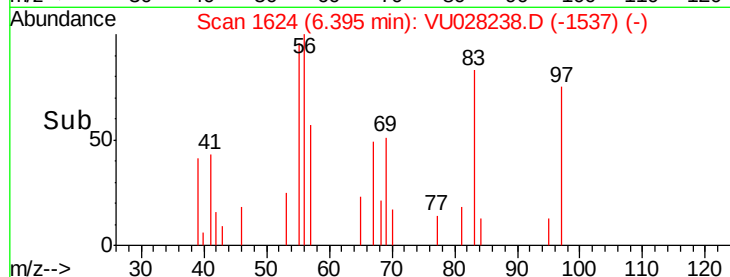
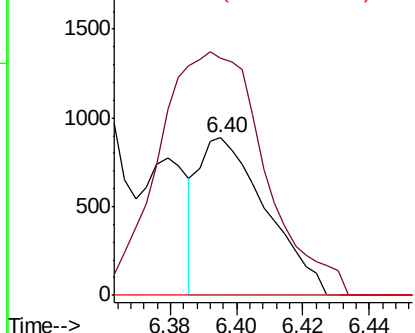
#35
Methylcyclohexane
Concen: 0.069 ug/L
RT: 6.40 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

Tgt Ion: 83 Resp: 1245
Ion Ratio Lower Upper
83 100
55 245.3 73.2 109.8#
98 0.0 33.4 50.2#

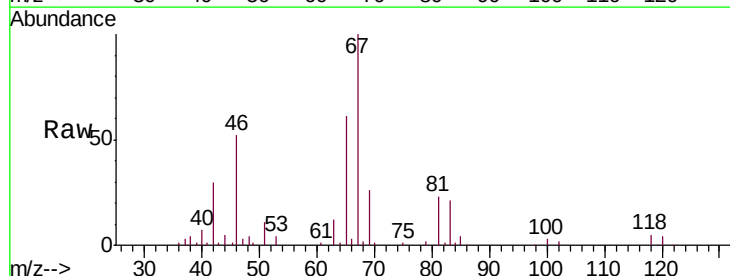


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

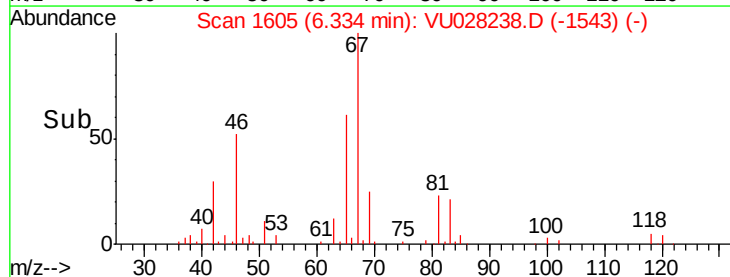
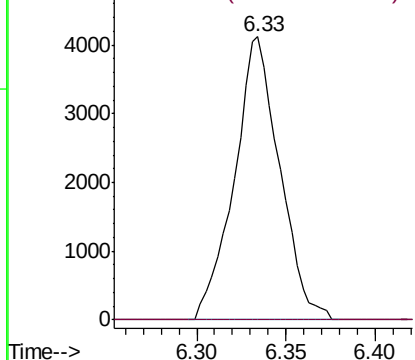


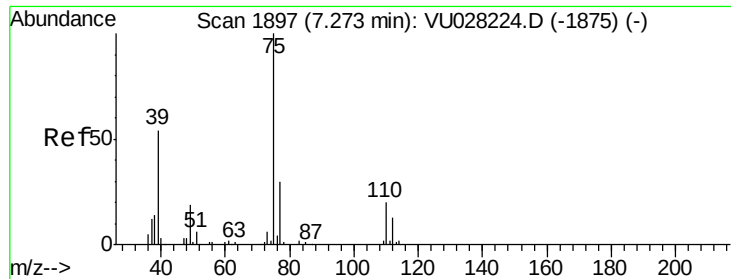
#37
1,2-Dichloropropane
Concen: 0.546 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Tgt Ion: 63 Resp: 7319
Ion Ratio Lower Upper
63 100
112 1.3 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

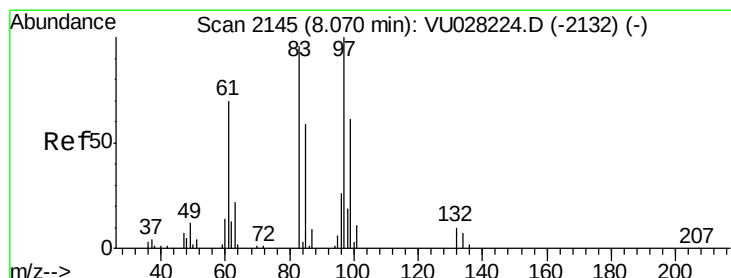
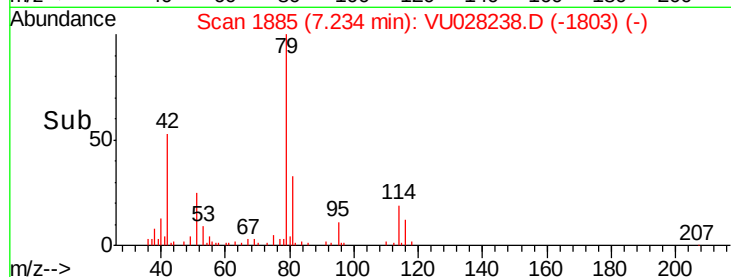
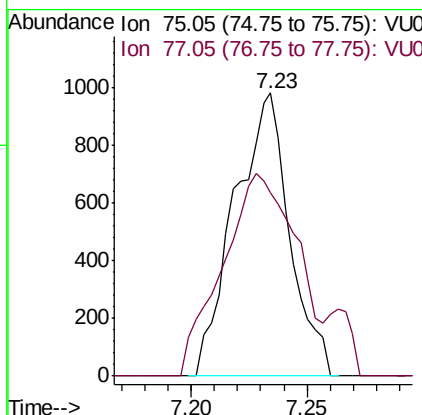
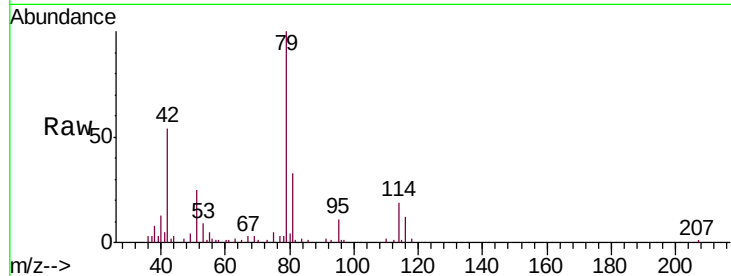




#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.23 min Scan# 1885
 Delta R.T. -0.04 min
 Lab File: VU028238.D
 Acq: 17 Nov 2018 20:41

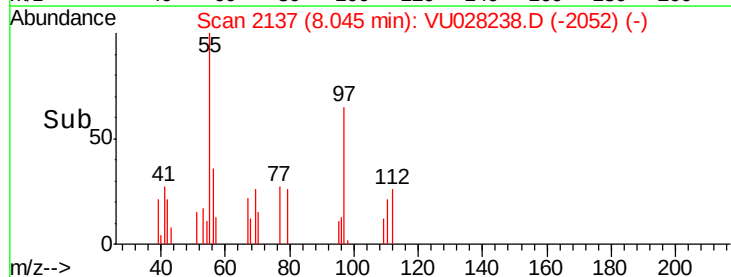
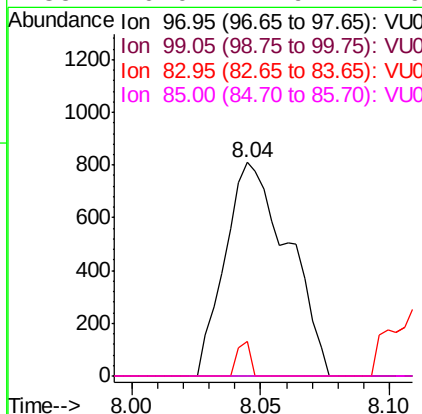
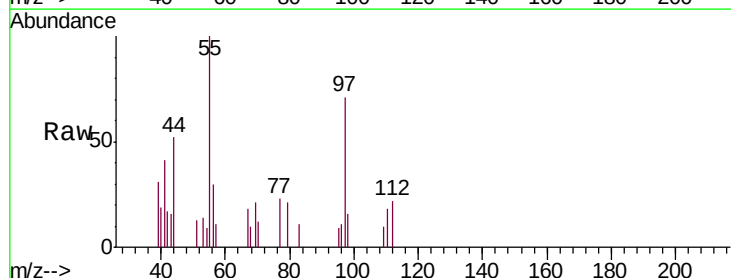
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ8

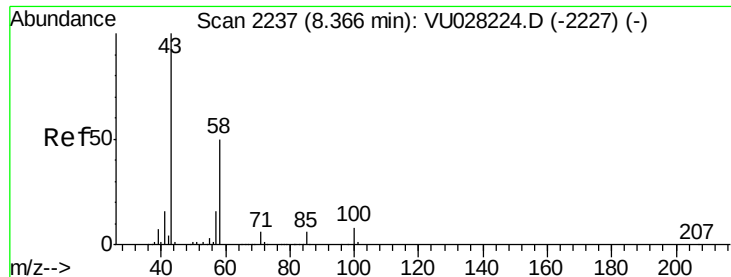
Tgt Ion: 75 Resp: 1619
 Ion Ratio Lower Upper
 75 100
 77 65.0 21.7 40.3#



#45
 1,1,2-Trichloroethane
 Concen: 0.171 ug/L
 RT: 8.04 min Scan# 2137
 Delta R.T. -0.03 min
 Lab File: VU028238.D
 Acq: 17 Nov 2018 20:41

Tgt Ion: 97 Resp: 1384
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.2 82.0#
 83 16.2 63.3 117.5#
 85 0.0 41.9 77.9#

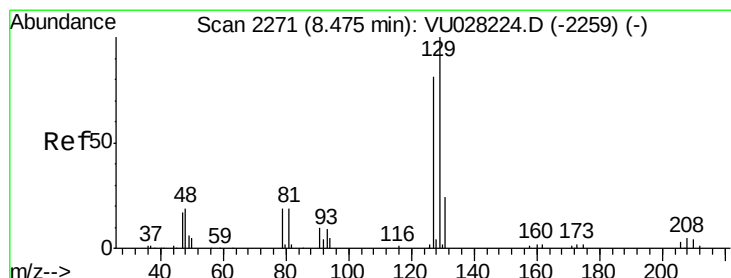
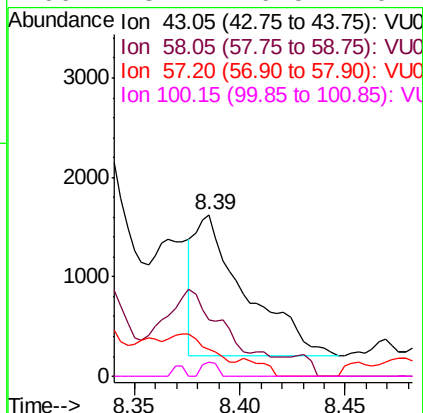
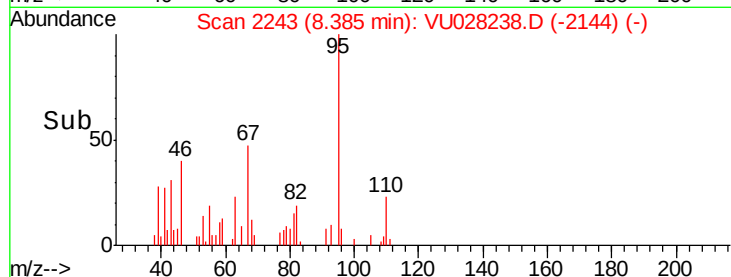
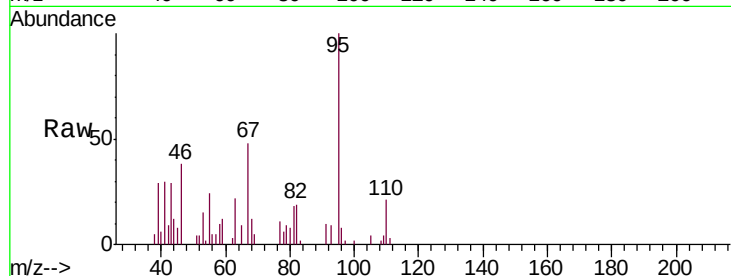




#48
2-Hexanone
Concen: 0.348 ug/L
RT: 8.39 min Scan# 2243
Delta R.T. 0.02 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

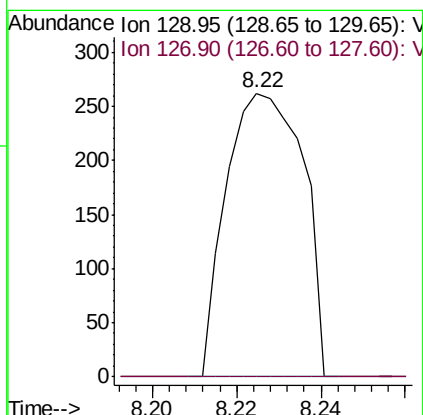
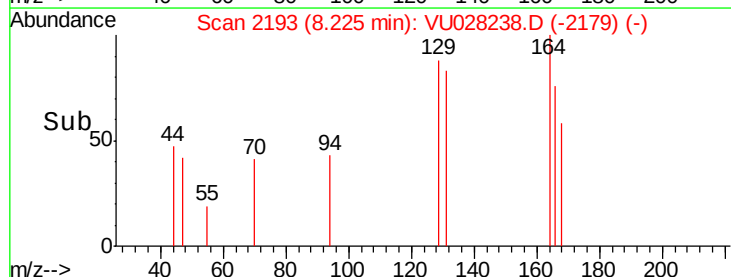
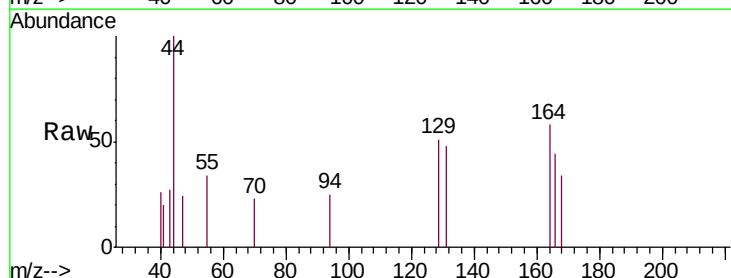
Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

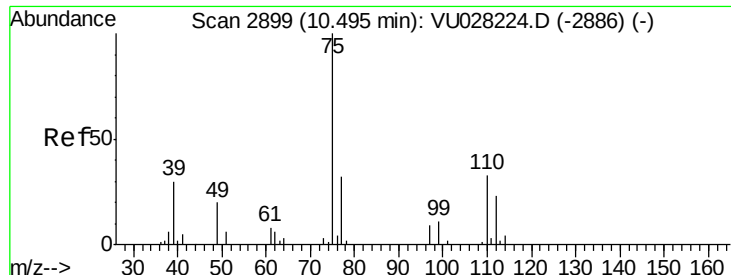
Tgt Ion:	43	Resp:	2383
Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.1	61.7#
57	5.7	13.8	20.8#
100	3.1	6.5	9.7#



#49
Dibromochloromethane
Concen: 0.040 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Tgt Ion:	129	Resp:	330
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#





#59
 1,2,3-Trichloropropane
 Concen: 1.271 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028238.D
 Acq: 17 Nov 2018 20:41

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ8

Tgt Ion: 75 Resp: 9850
 Ion Ratio Lower Upper
 75 100
 77 42.7 25.7 38.5#

