

Data File : VU028253.D
Acq On : 19 Nov 2018 14:28
Operator : MD/SY
Sample : J5986-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FM1

Quant Time: Nov 20 07:11:50 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	124734	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	116008	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51023	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41277	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.68	69	37196	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.28	63	64731	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.22	46	127464	40.58	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.16%
24) Chloroform-d	4.65	84	78379	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.31	65	44612	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.34	84	158530	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.33	67	57990	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.57	98	138678	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.85	79	15144	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.32	63	68724	29.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	59.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	40806	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	45976	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	57479	4.540	ug/L	99
8) Chloroethane	1.70	64	3234	0.432	ug/L #	69
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	465	0.057	ug/L #	41
12) 1,1-Dichloroethene	2.28	96	387	0.050	ug/L #	1
15) Methyl Acetate	2.63	43	642	0.112	ug/L #	59
17) Methyl tert-butyl Ether	3.01	73	28409	1.232	ug/L	93
18) trans-1,2-Dichloroethene	2.98	96	82770	10.119	ug/L	95
19) 1,1-Dichloroethane	3.45	63	28406	1.498	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	22970	2.376	ug/L	85
25) Chloroform	4.66	83	899	0.044	ug/L #	71
27) 1,2-Dichloroethane	5.42	62	641	0.055	ug/L #	78
30) Cyclohexane	4.99	56	1032	0.060	ug/L #	71
33) Benzene	5.39	78	20956	0.547	ug/L	100
34) Trichloroethene	6.19	95	5772	0.616	ug/L	97
35) Methylcyclohexane	6.33	83	11536	0.781	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	5837	0.534	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	848	0.061	ug/L	90

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

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ALS Vial : 13 Sample Multiplier: 1

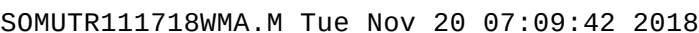
Instrument :
MSVOA_U
ClientSampleId :
H0FM1

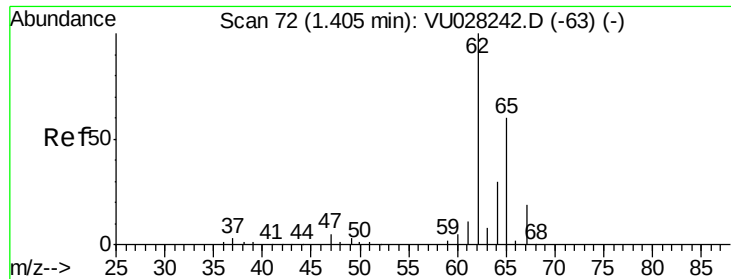
Quant Time: Nov 20 07:11:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.65	91	1609	0.041	ug/L	84
48) 2-Hexanone	8.32	43	8998	1.616	ug/L #	71
49) Dibromochloromethane	8.23	129	498	0.075	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	7608	1.205	ug/L	91

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

Quant Time: Nov 20 07:11:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.540 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

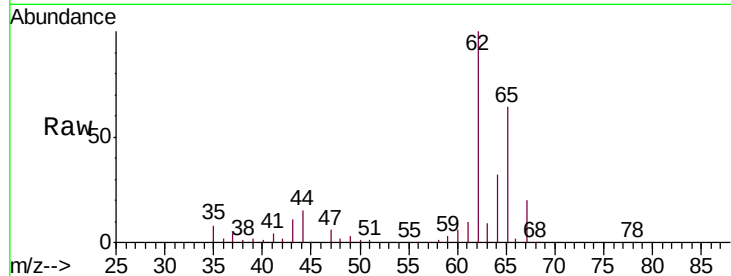
H0FM1

Tgt Ion: 62 Resp: 57479

Ion Ratio Lower Upper

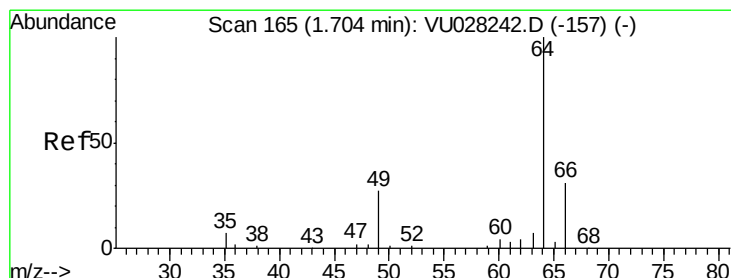
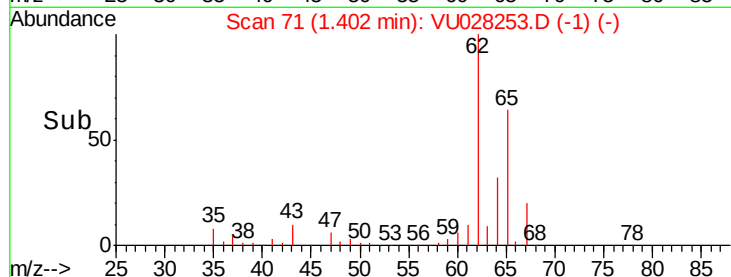
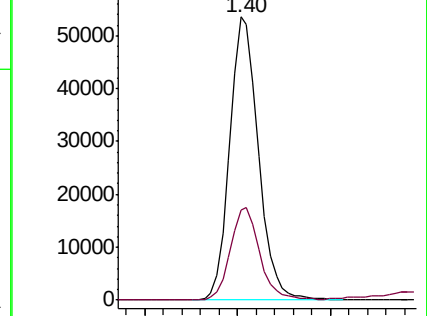
62 100

64 31.7 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: 0.432 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028253.D

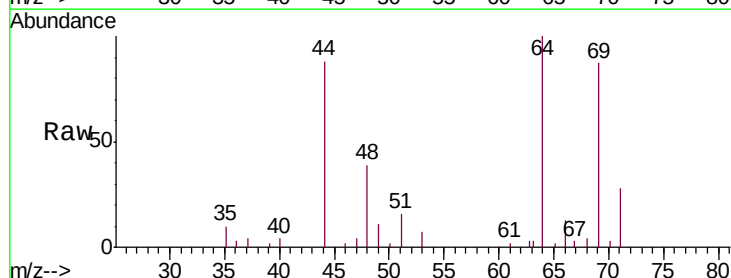
Acq: 19 Nov 2018 14:28

Tgt Ion: 64 Resp: 3234

Ion Ratio Lower Upper

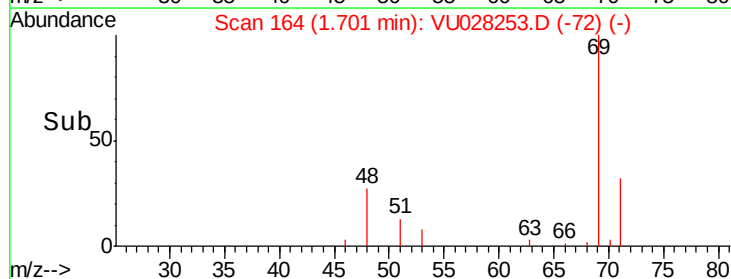
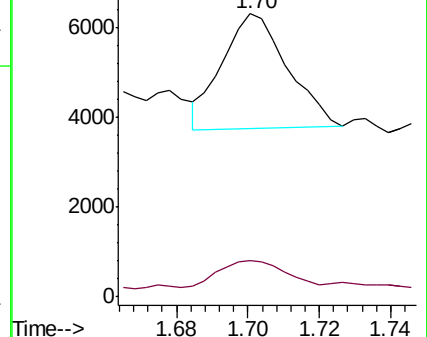
64 100

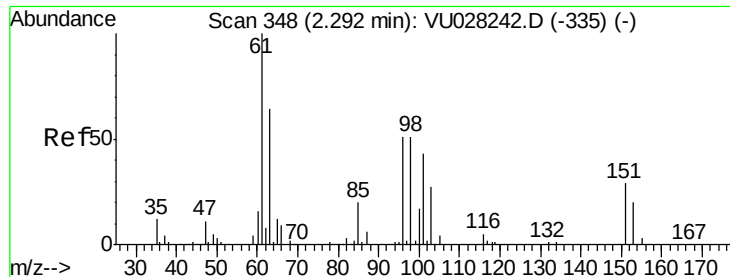
66 12.7 20.7 38.5#



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: 0.057 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

H0FM1

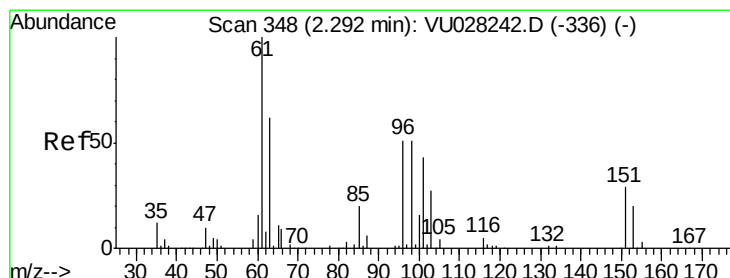
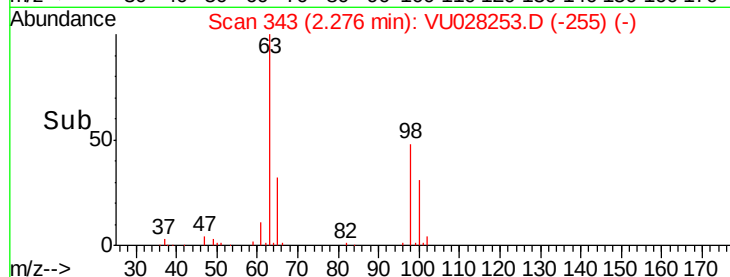
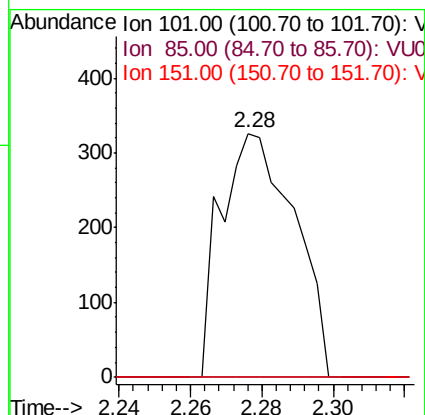
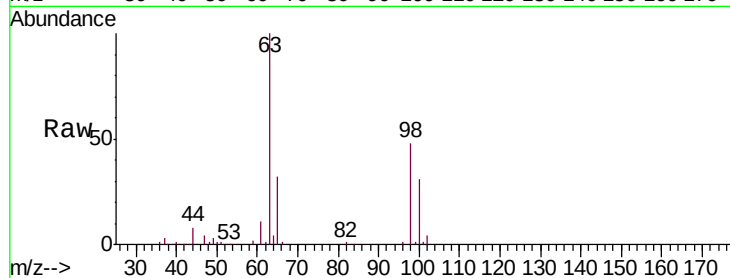
Tgt Ion: 101 Resp: 465

Ion Ratio Lower Upper

101 100

85 32.5 37.4 56.2#

151 0.0 55.0 82.4#



#12

1,1-Dichloroethene

Concen: 0.050 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

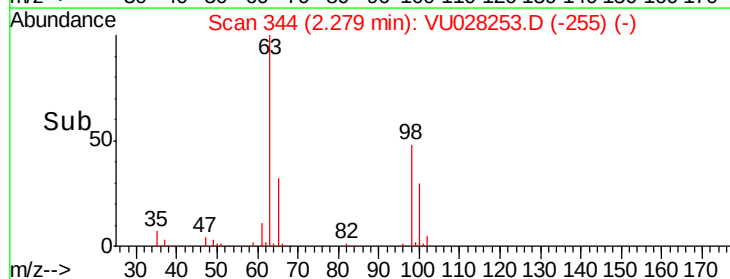
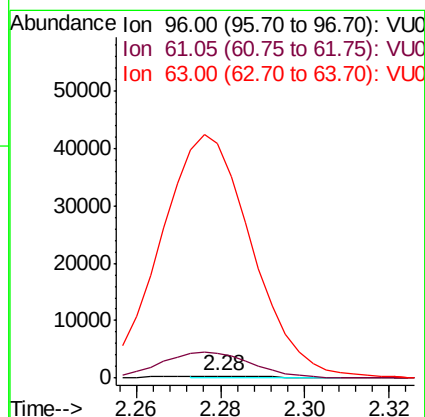
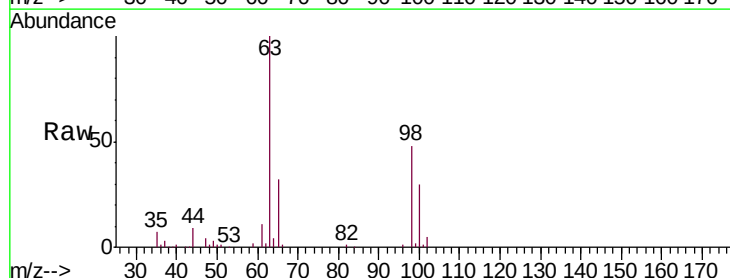
Tgt Ion: 96 Resp: 387

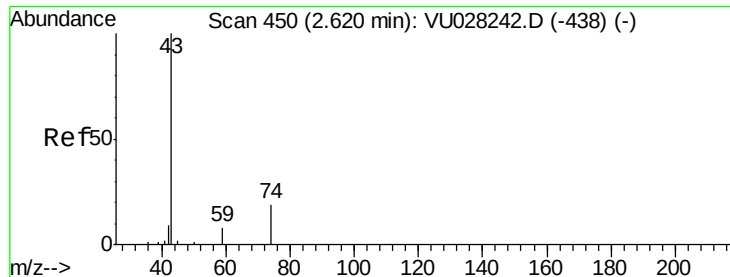
Ion Ratio Lower Upper

96 100

61 1286.4 145.5 270.1#

63 12073.4 98.6 183.2#

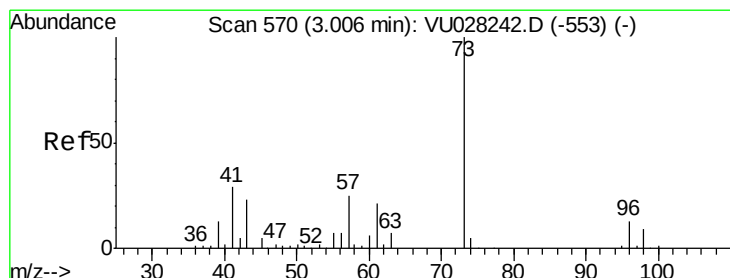
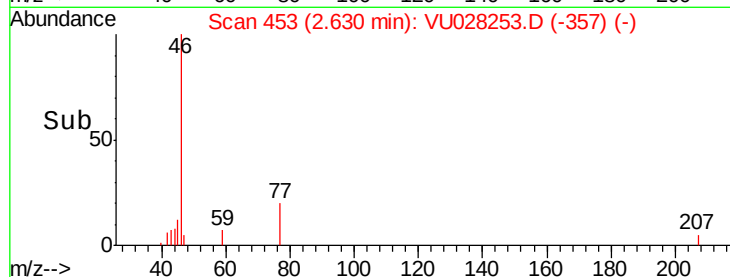
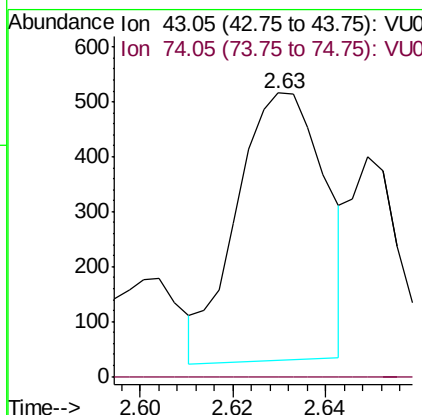
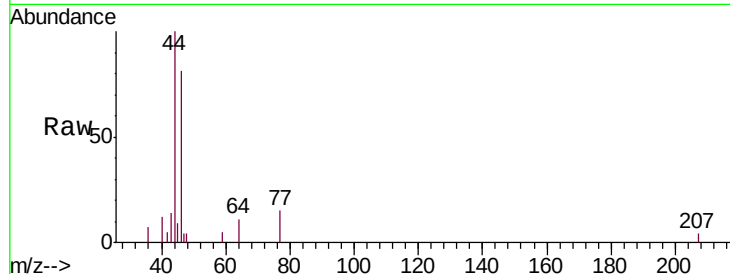




#15
Methyl Acetate
Concen: 0.112 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.01 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

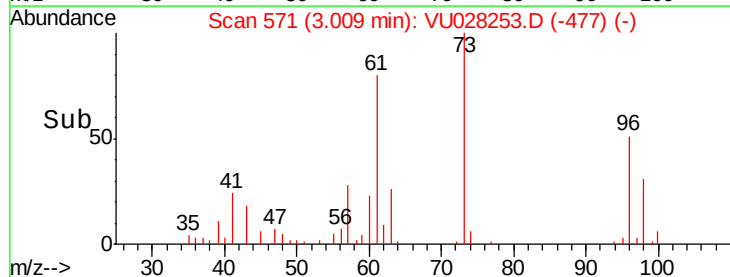
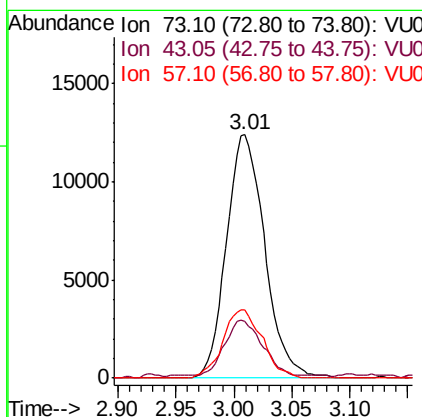
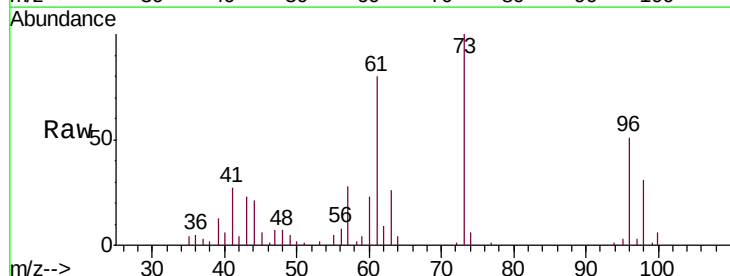
Instrument :
MSVOA_U
ClientSampled :
H0FM1

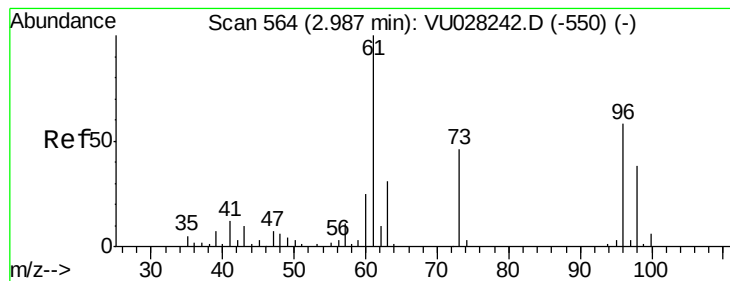
Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
74 0.0 14.7 22.1#



#17
Methyl tert-butyl Ether
Concen: 1.232 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

Tgt Ion: 73 Resp: 28409
Ion Ratio Lower Upper
73 100
43 21.9 18.8 28.2
57 28.8 19.2 28.8





#18

trans-1,2-Dichloroethene

Concen: 10.119 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

H0FM1

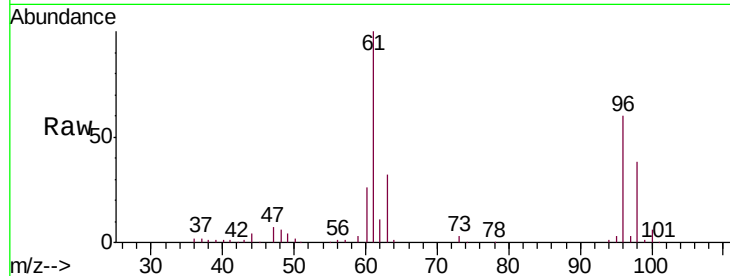
Tgt Ion: 96 Resp: 82770

Ion Ratio Lower Upper

96 100

61 165.9 122.2 227.0

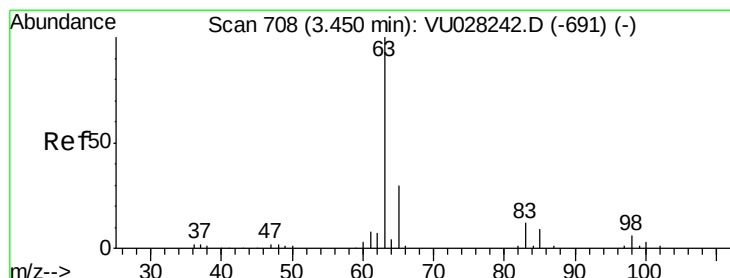
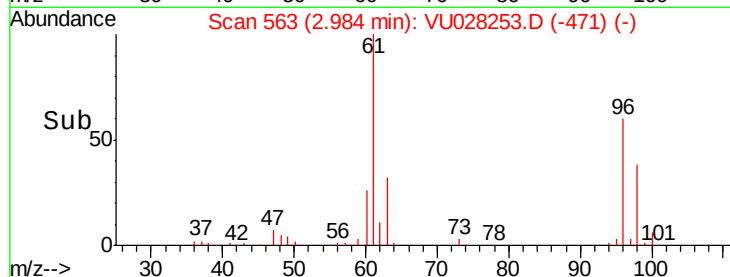
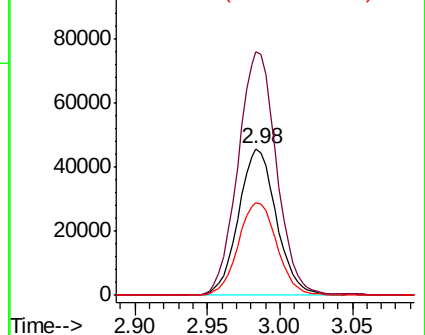
98 63.1 44.9 83.5



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: 1.498 ug/L

RT: 3.45 min Scan# 708

Delta R.T. -0.00 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

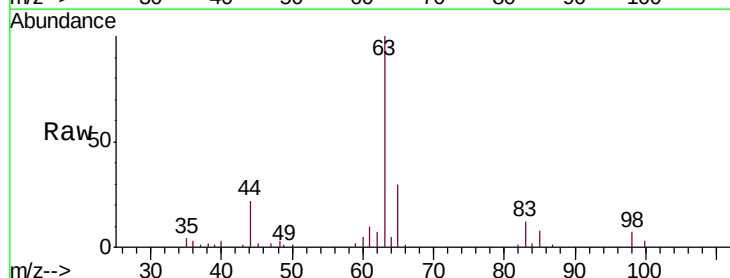
Tgt Ion: 63 Resp: 28406

Ion Ratio Lower Upper

63 100

65 30.2 21.2 39.4

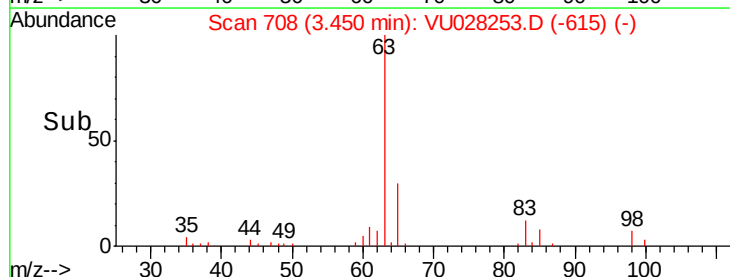
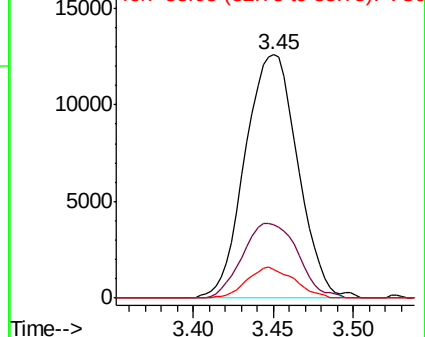
83 11.6 8.8 16.4

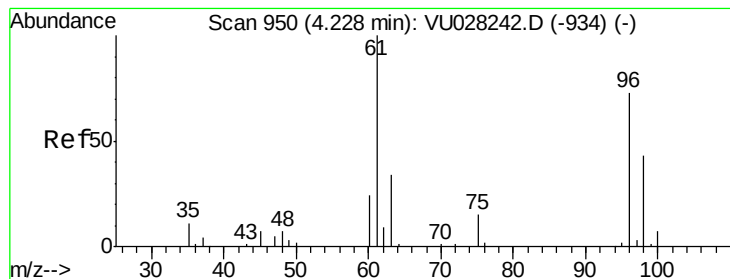


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



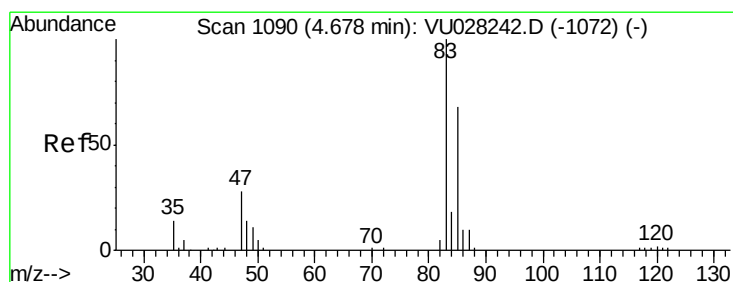
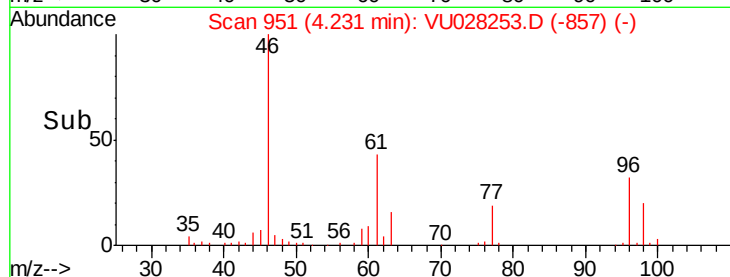
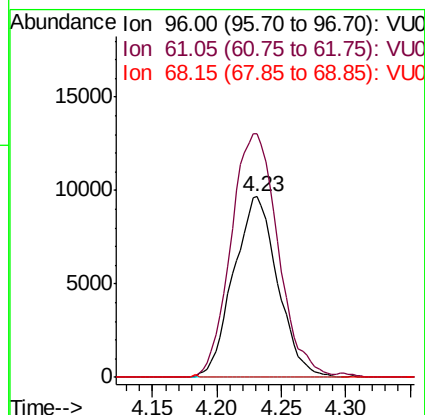
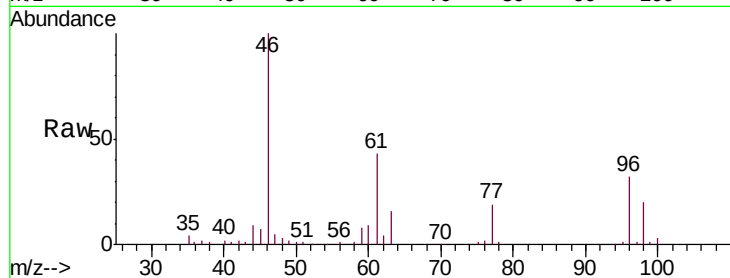


#22

cis-1,2-Dichloroethene
Concen: 2.376 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

Instrument :
MSVOA_U
ClientSampleId :
H0FM1

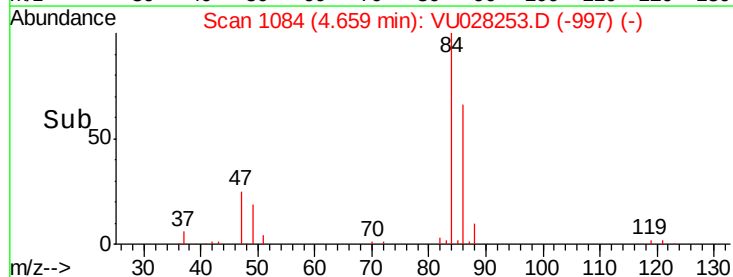
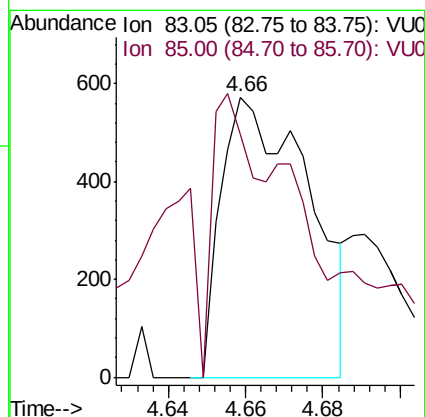
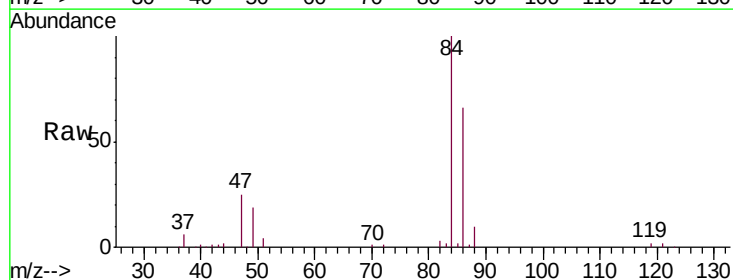
Tgt Ion: 96 Resp: 22970
Ion Ratio Lower Upper
96 100
61 134.9 108.0 200.6
68 0.0 0.0 0.0

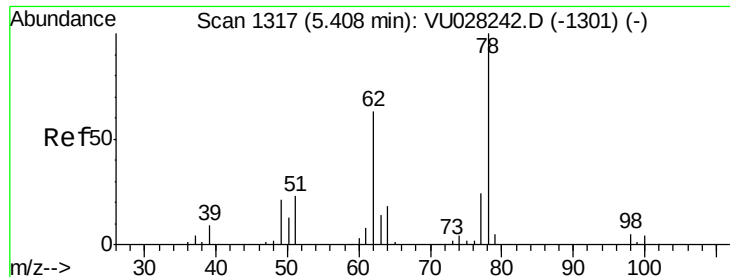


#25

Chloroform
Concen: 0.044 ug/L
RT: 4.66 min Scan# 1084
Delta R.T. -0.02 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

Tgt Ion: 83 Resp: 899
Ion Ratio Lower Upper
83 100
85 86.6 44.6 82.8#

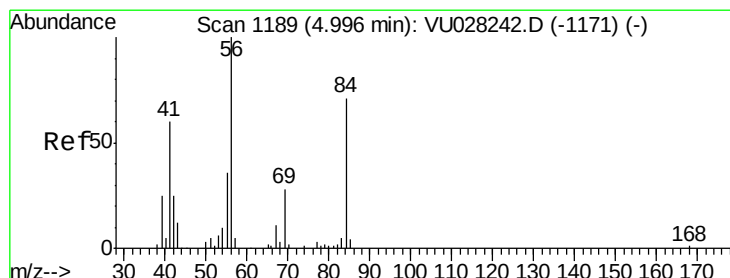
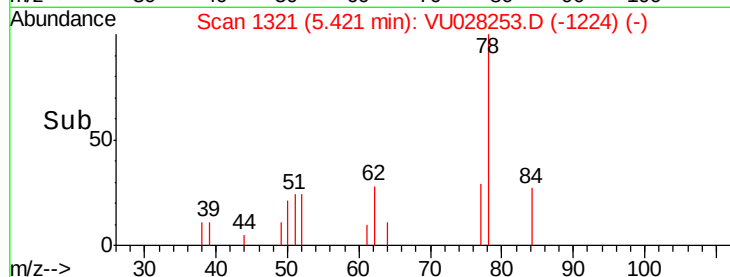
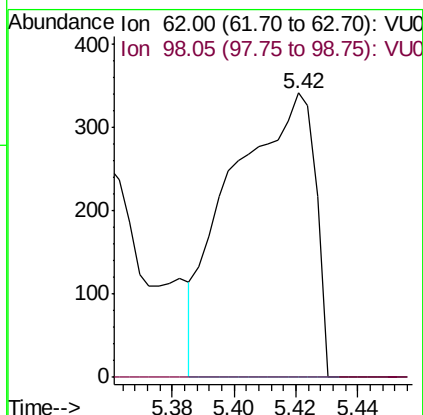
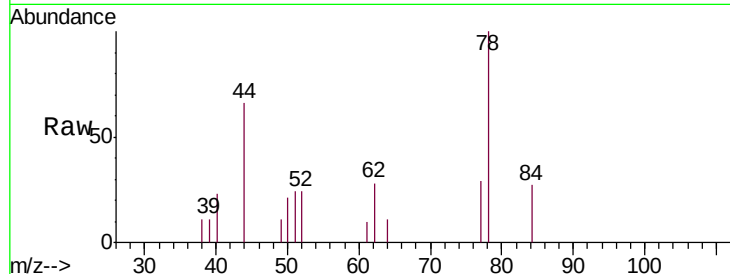




#27
 1,2-Dichloroethane
 Concen: 0.055 ug/L
 RT: 5.42 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VU028253.D
 Acq: 19 Nov 2018 14:28

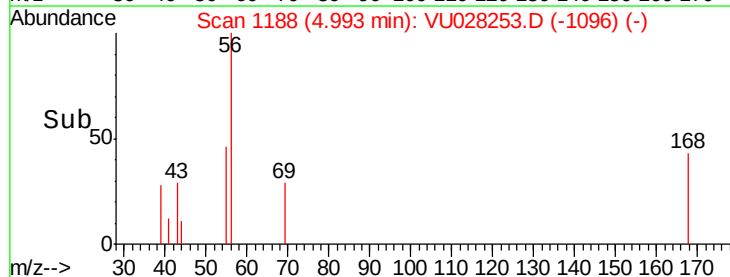
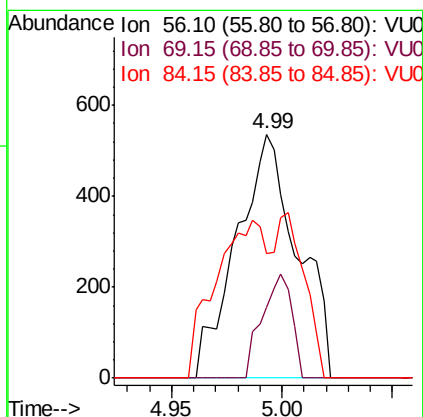
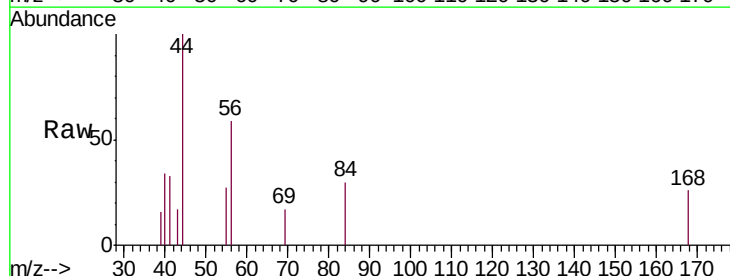
Instrument :
 MSVOA_U
 ClientSampleId :
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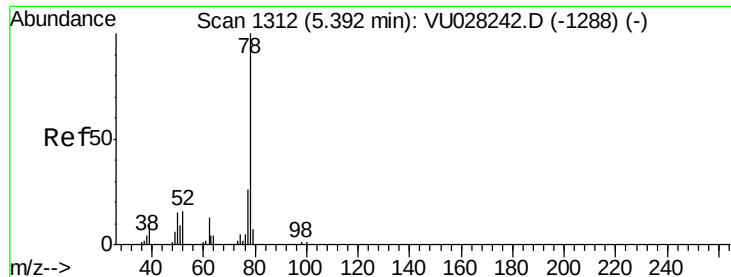
Tgt Ion: 62 Resp: 641
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



#30
 Cyclohexane
 Concen: 0.060 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU028253.D
 Acq: 19 Nov 2018 14:28

Tgt Ion: 56 Resp: 1032
 Ion Ratio Lower Upper
 56 100
 69 0.0 22.0 33.0#
 84 53.6 56.0 84.0#





#33

Benzene

Concen: 0.547 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

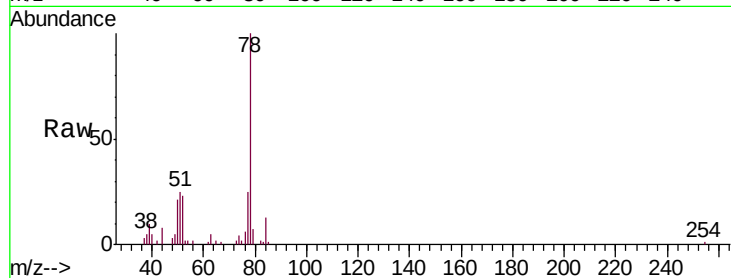
Instrument :

MSVOA_U

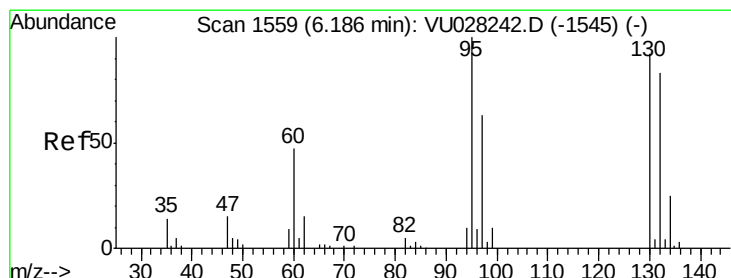
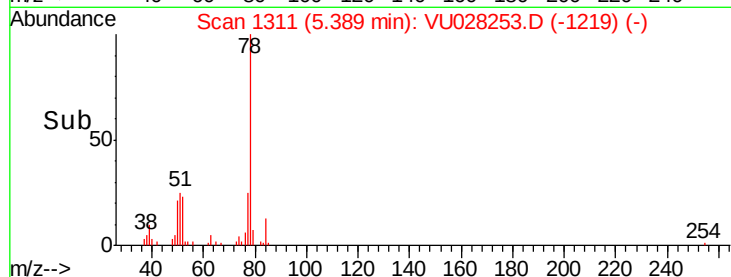
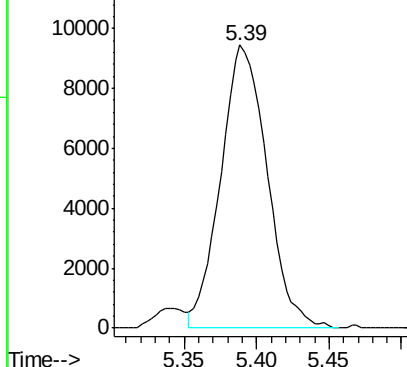
ClientSampleId :

H0FM1

Tgt Ion: 78 Resp: 20956



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.616 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

Tgt Ion: 95 Resp: 5772

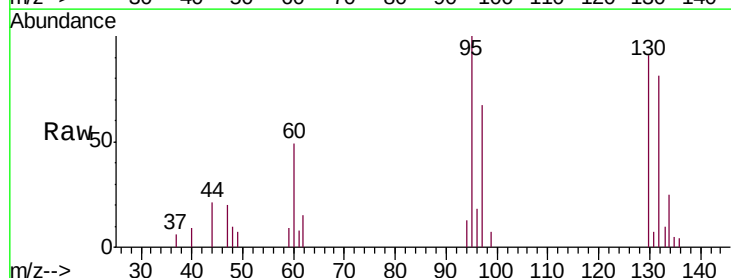
Ion	Ratio	Lower	Upper
95	100		
97	67.0	46.5	86.3
132	81.0	58.9	109.3
130	91.1	61.3	113.9

95 100

97 67.0 46.5 86.3

132 81.0 58.9 109.3

130 91.1 61.3 113.9

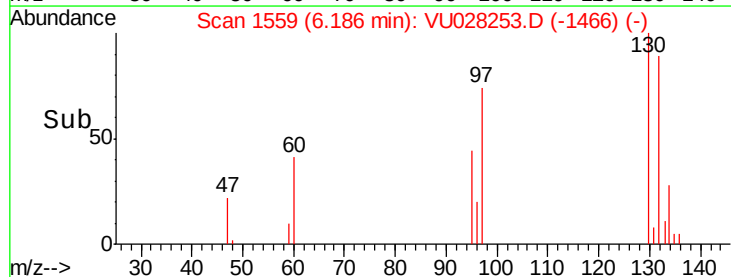
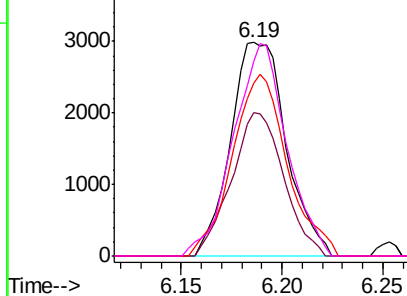


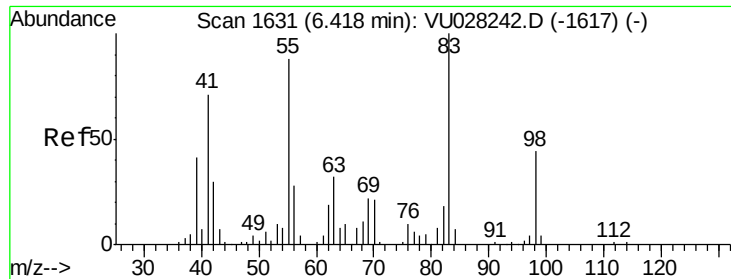
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

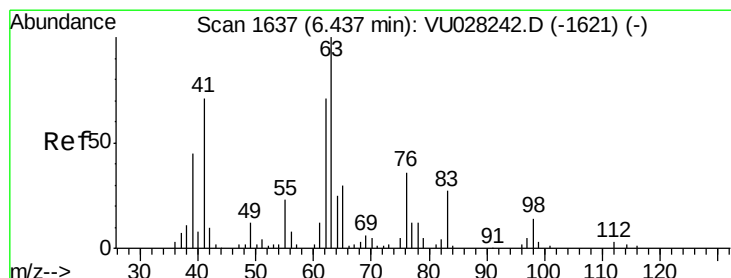
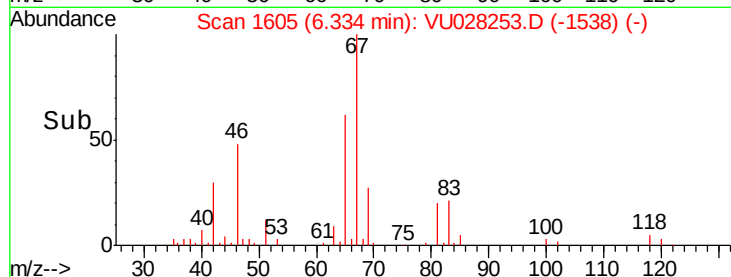
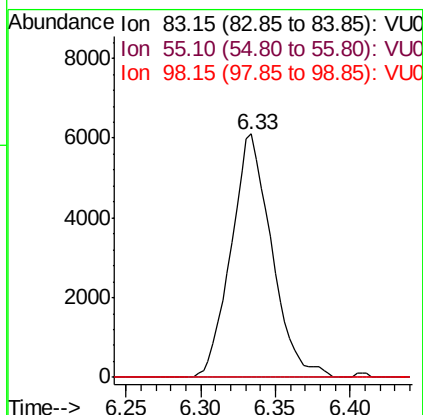
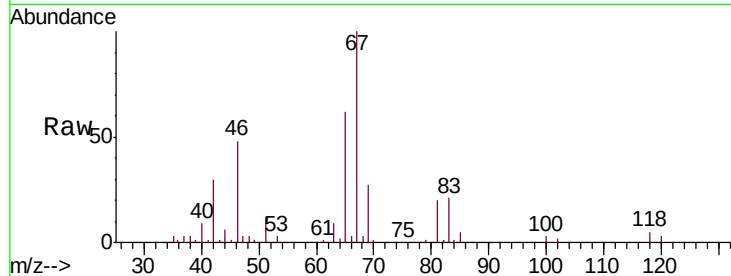




#35
Methylcyclohexane
Concen: 0.781 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

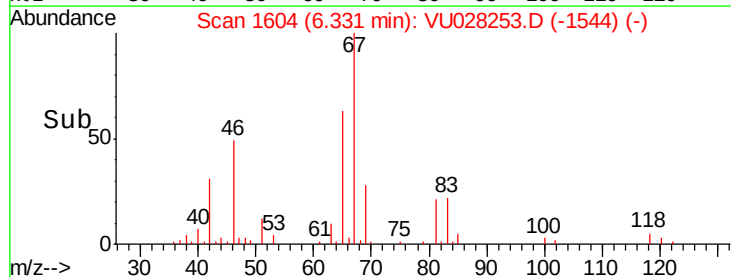
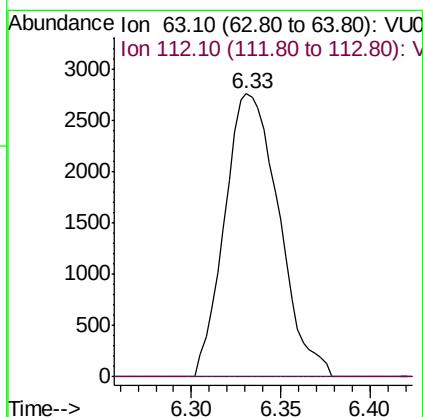
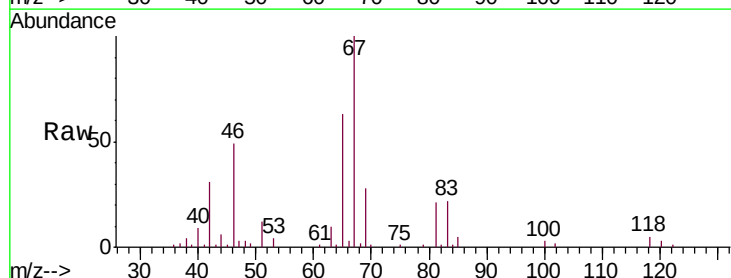
Instrument :
MSVOA_U
ClientSampleId :
H0FM1

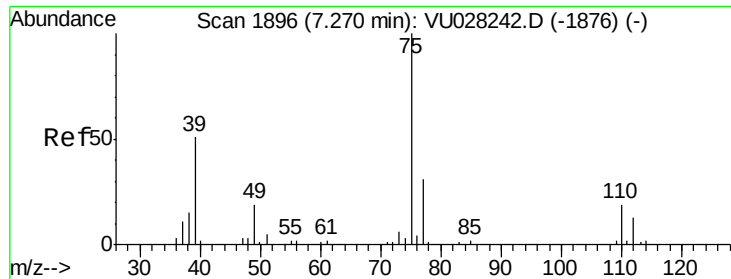
Tgt Ion: 83 Resp: 11536
Ion Ratio Lower Upper
83 100
55 0.0 73.2 109.8#
98 3.0 33.4 50.2#



#37
1,2-Dichloropropane
Concen: 0.534 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.11 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

Tgt Ion: 63 Resp: 5837
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#

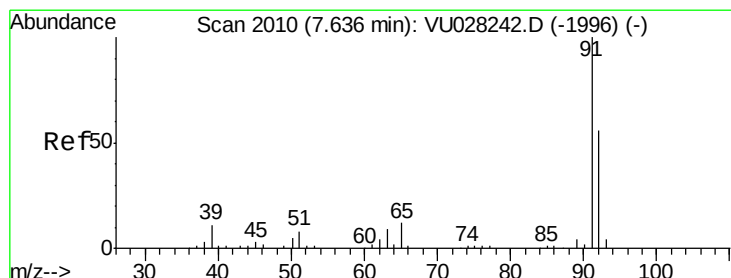
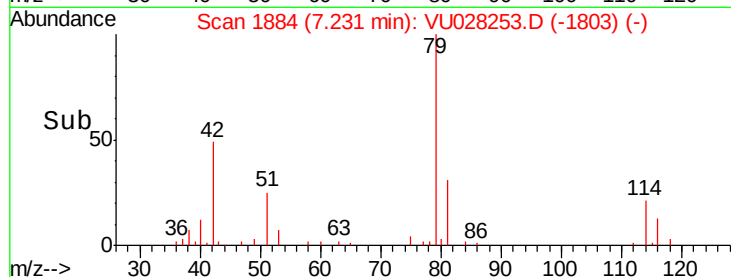
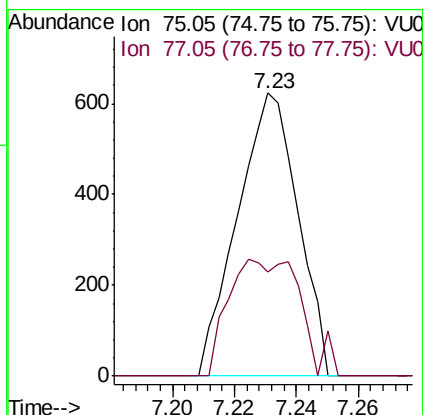
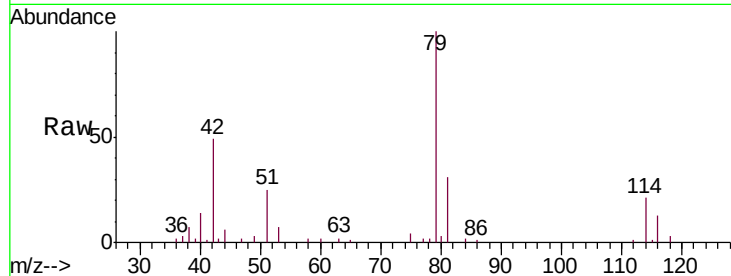




#39
 cis-1,3-Dichloropropene
 Concen: 0.061 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028253.D
 Acq: 19 Nov 2018 14:28

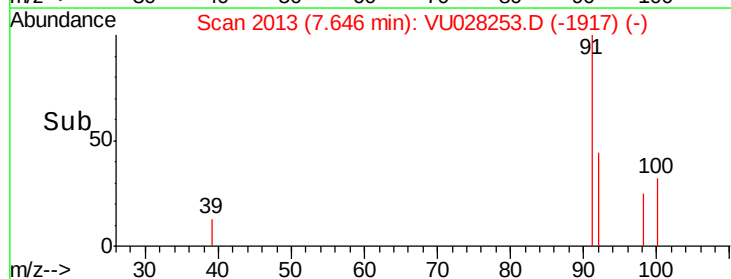
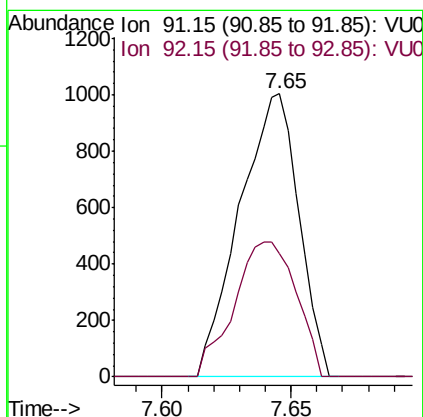
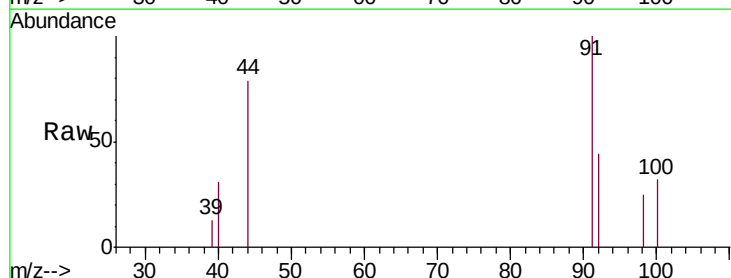
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FM1

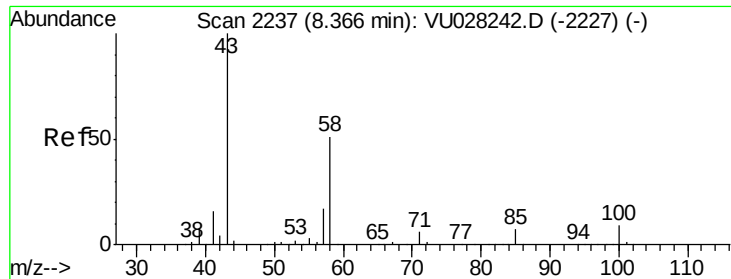
Tgt Ion: 75 Resp: 848
 Ion Ratio Lower Upper
 75 100
 77 36.8 21.7 40.3



#42
 Toluene
 Concen: 0.041 ug/L
 RT: 7.65 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: VU028253.D
 Acq: 19 Nov 2018 14:28

Tgt Ion: 91 Resp: 1609
 Ion Ratio Lower Upper
 91 100
 92 43.8 39.0 72.4

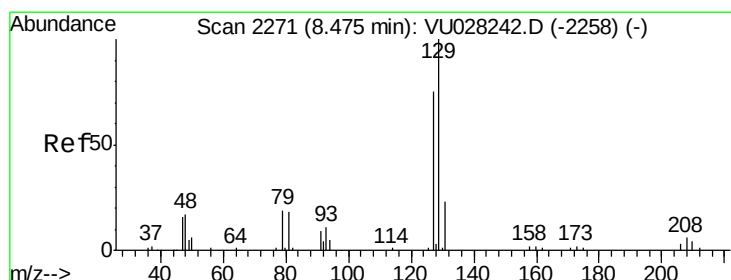
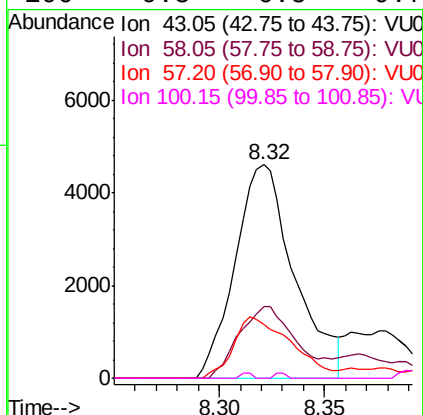
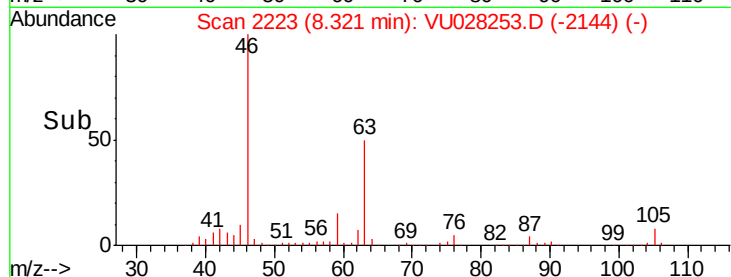
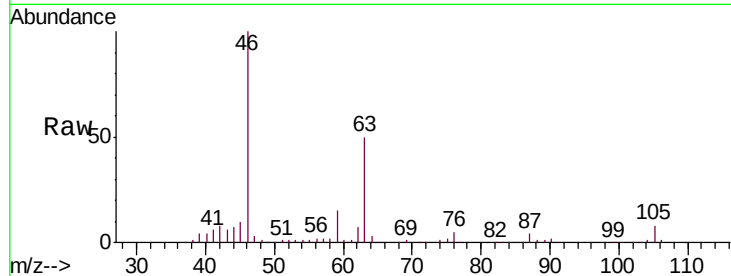




#48
2-Hexanone
Concen: 1.616 ug/L
RT: 8.32 min Scan# 2223
Delta R.T. -0.05 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

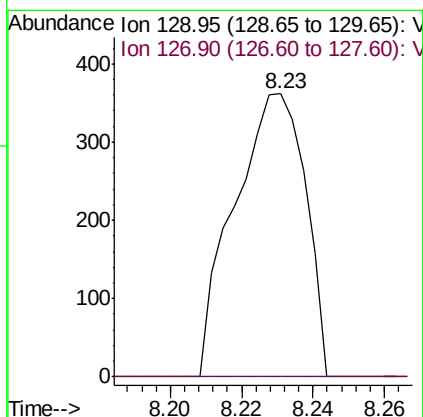
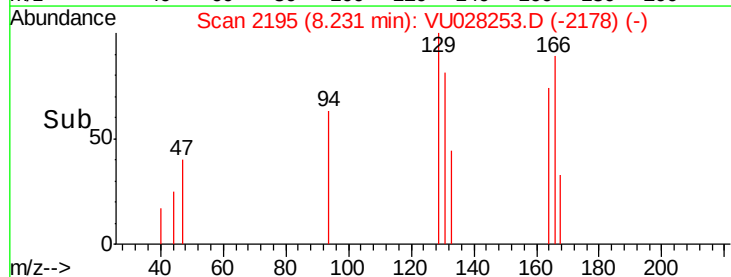
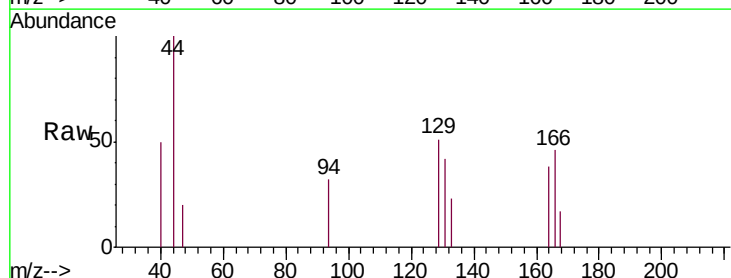
Instrument :
MSVOA_U
ClientSampleId :
H0FM1

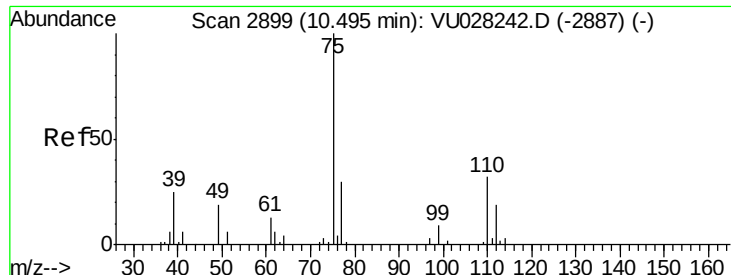
Tgt Ion: 43 Resp: 8998
Ion Ratio Lower Upper
43 100
58 32.9 41.1 61.7#
57 0.0 13.8 20.8#
100 0.5 6.5 9.7#



#49
Dibromochloromethane
Concen: 0.075 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. -0.24 min
Lab File: VU028253.D
Acq: 19 Nov 2018 14:28

Tgt Ion: 129 Resp: 498
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#





#59

1,2,3-Trichloropropane

Concen: 1.205 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028253.D

Acq: 19 Nov 2018 14:28

Instrument :

MSVOA_U

ClientSampleId :

H0FM1

Tgt Ion: 75 Resp: 7608

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5

