

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028275.D
 Acq On : 20 Nov 2018 14:00
 Operator : MD/SY
 Sample : J5995-06RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 06:36:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 06:33:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	129631	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	123748	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52726	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29568	3.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.60%
7) Chloroethane-d5	1.68	69	27442	3.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.20%
11) 1,1-Dichloroethene-d2	2.28	63	42809	2.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.20%#
20) 2-Butanone-d5	4.20	46	121877	37.34	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.68%
24) Chloroform-d	4.65	84	59530	3.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	65.40%#
26) 1,2-Dichloroethane-d4	5.31	65	34232	3.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.00%#
32) Benzene-d6	5.34	84	112937	3.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.40%#
36) 1,2-Dichloropropane-d6	6.33	67	44343	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.60%
41) Toluene-d8	7.57	98	93826	2.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.80%#
43) trans-1,3-Dichloropropene-	7.85	79	12622	3.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.20%
46) 2-Hexanone-d5	8.31	63	83564	33.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	32944	3.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	35310	3.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	788	0.060	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	380	0.045	ug/L #	21
13) Acetone	2.33	43	10586	4.715	ug/L	100
17) Methyl tert-butyl Ether	3.01	73	7753	0.323	ug/L #	84
18) trans-1,2-Dichloroethene	2.98	96	1437	0.169	ug/L	90
19) 1,1-Dichloroethane	3.44	63	1468	0.074	ug/L #	84
22) cis-1,2-Dichloroethene	4.23	96	43120	4.291	ug/L	90
25) Chloroform	4.67	83	1766	0.083	ug/L	94
34) Trichloroethene	6.19	95	69594	6.962	ug/L	97
35) Methylcyclohexane	6.33	83	8798	0.559	ug/L #	14
37) 1,2-Dichloropropane	6.34	63	4580	0.393	ug/L #	92
39) cis-1,3-Dichloropropene	7.24	75	865	0.059	ug/L #	47
45) 1,1,2-Trichloroethane	8.22	97	399	0.057	ug/L #	4
47) Tetrachloroethene	8.23	164	46193	6.657	ug/L	99
48) 2-Hexanone	8.37	43	3377	0.569	ug/L #	94
49) Dibromochloromethane	8.23	129	45617	6.402	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	8106	1.204	ug/L	99

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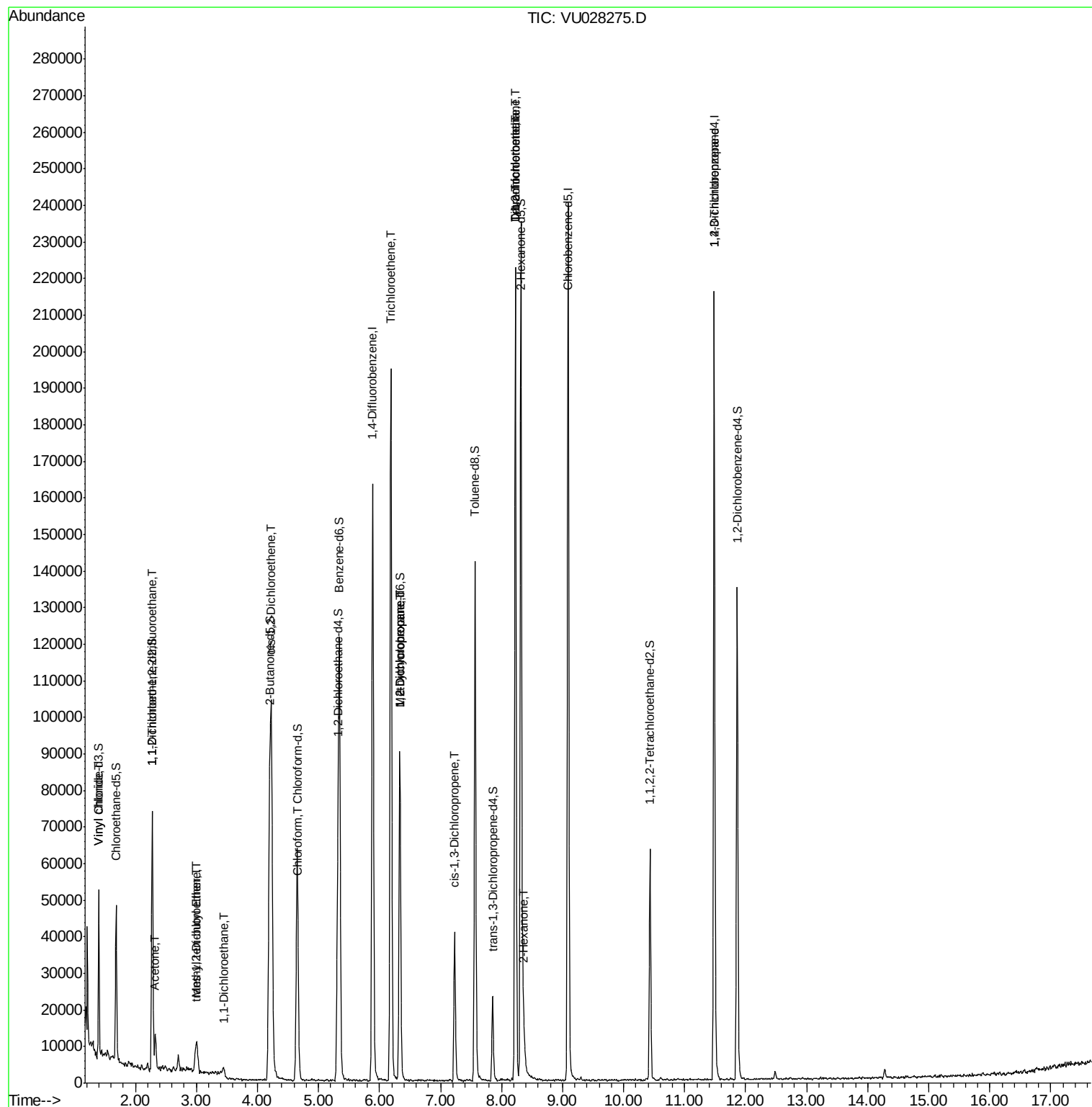
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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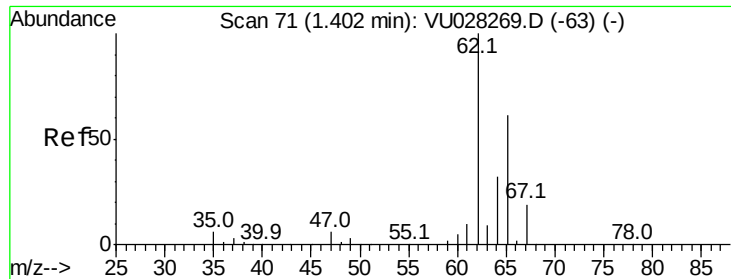
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU112018\
Data File : VU028275.D
Acq On : 20 Nov 2018 14:00
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Misc : 25.0mL/MSVOA U/WATER
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Instrument :
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ClientSampled :

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 06:33:43 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.060 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

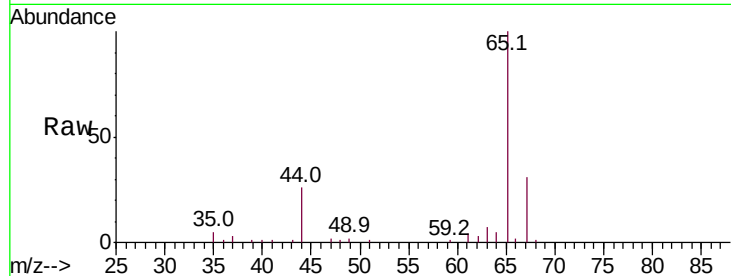
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 788

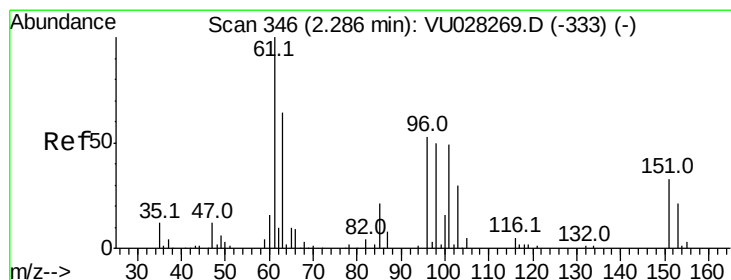
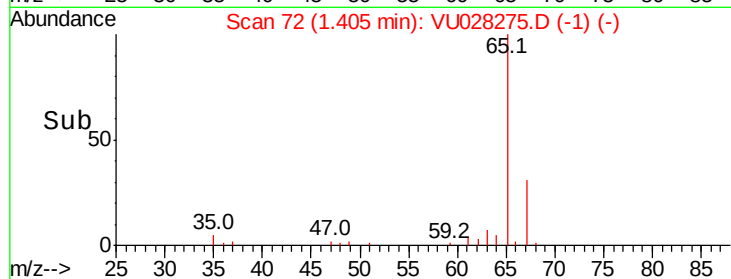
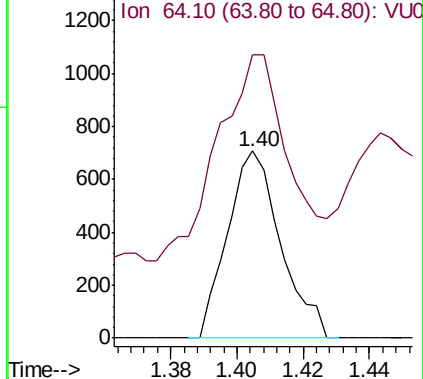
Ion Ratio Lower Upper

62 100

64 151.1 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: 0.045 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

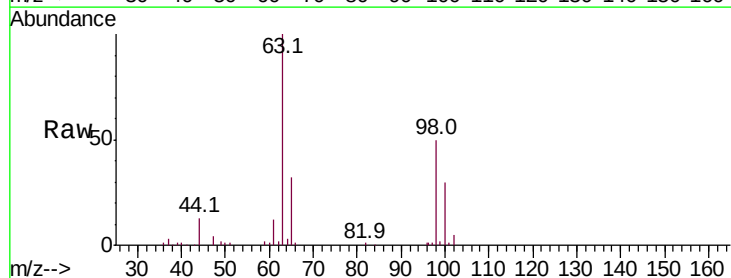
Tgt Ion: 101 Resp: 380

Ion Ratio Lower Upper

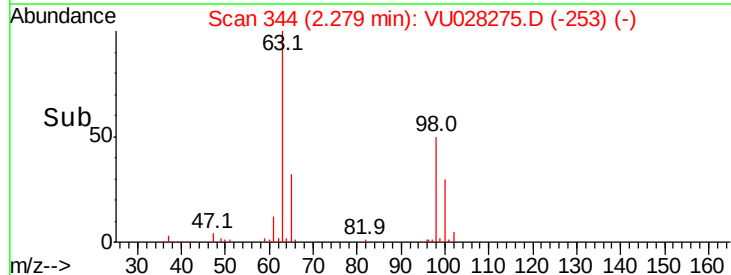
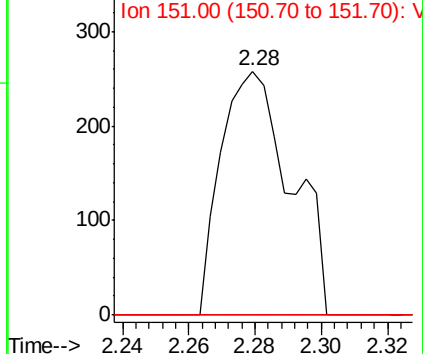
101 100

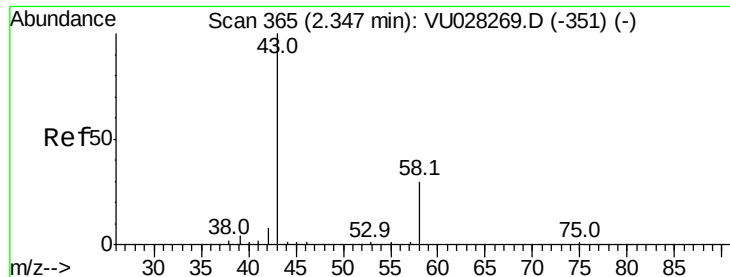
85 0.0 37.4 56.2#

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





#13

Acetone

Concen: 4.715 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.02 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

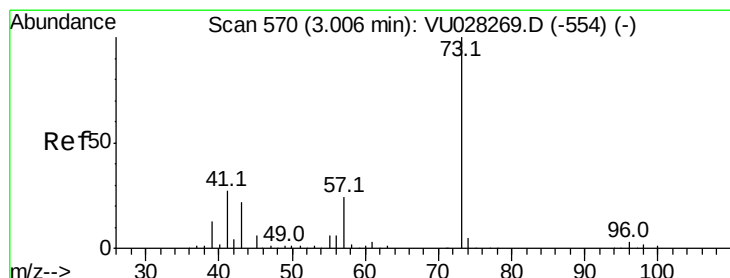
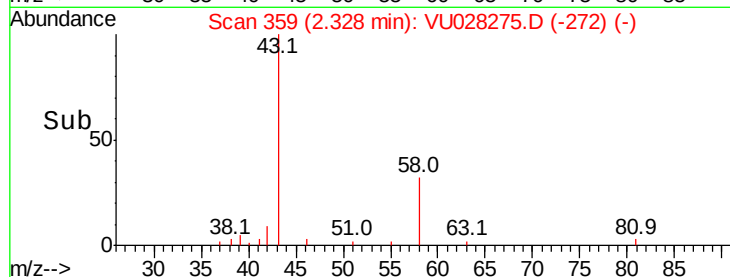
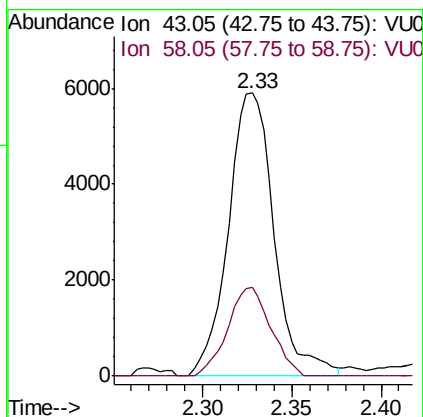
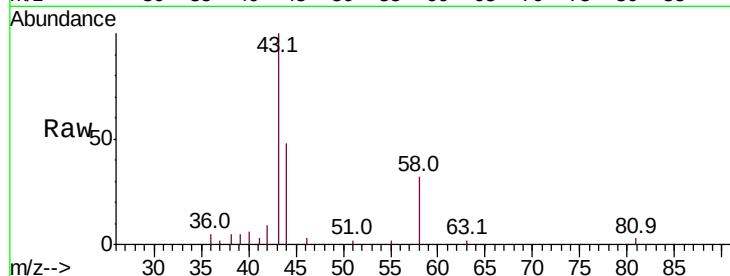
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10586

Ion Ratio Lower Upper

43 100

58 29.5 0.0 58.6



#17

Methyl tert-butyl Ether

Concen: 0.323 ug/L

RT: 3.01 min Scan# 572

Delta R.T. 0.01 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

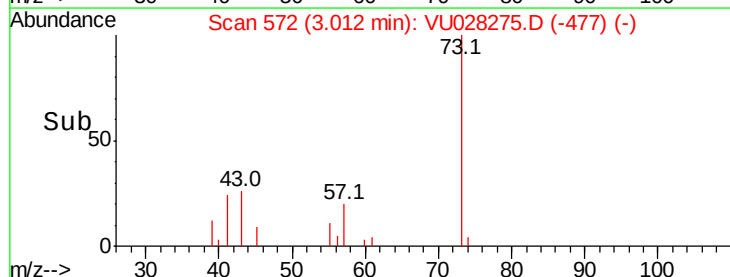
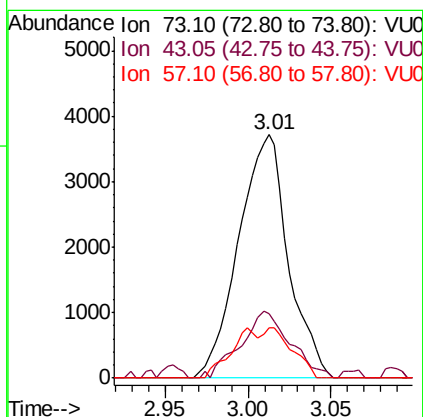
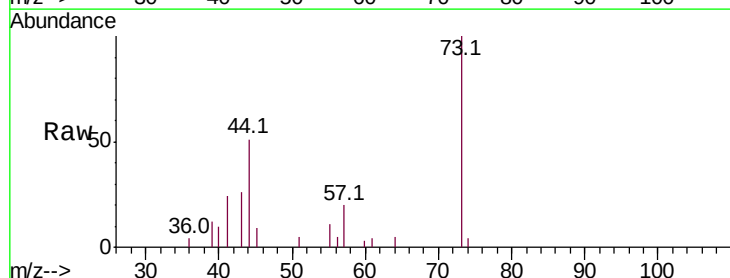
Tgt Ion: 73 Resp: 7753

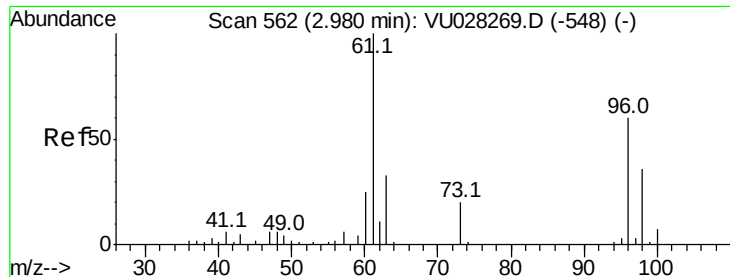
Ion Ratio Lower Upper

73 100

43 27.5 18.8 28.2

57 12.4 19.2 28.8#

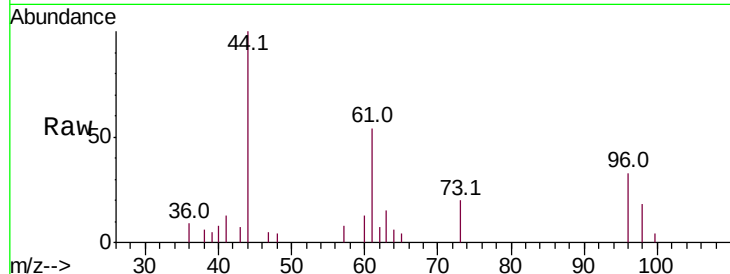




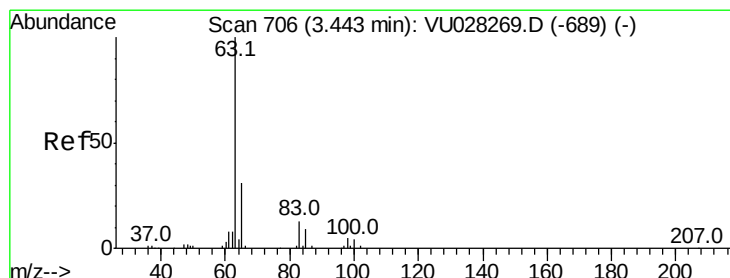
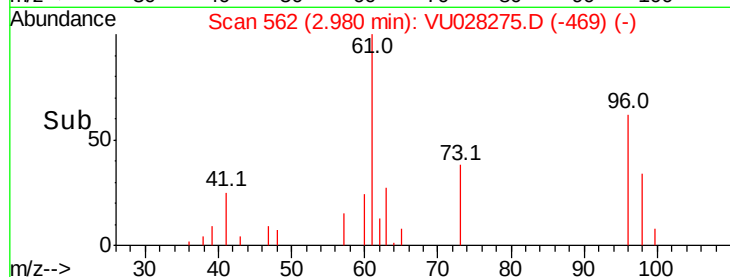
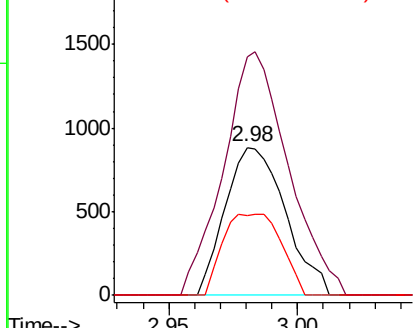
#18
trans-1,2-Dichloroethene
Concen: 0.169 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028275.D
Acq: 20 Nov 2018 14:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 1437
Ion Ratio Lower Upper
96 100
61 161.3 122.2 227.0
98 54.4 44.9 83.5

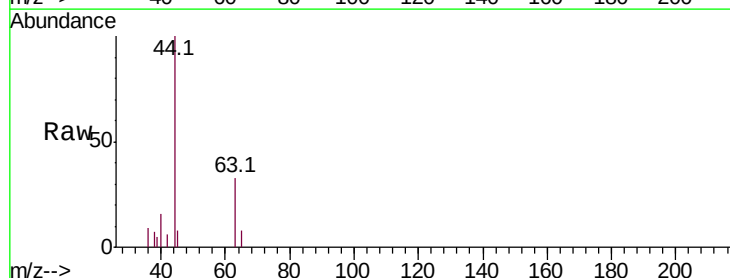


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

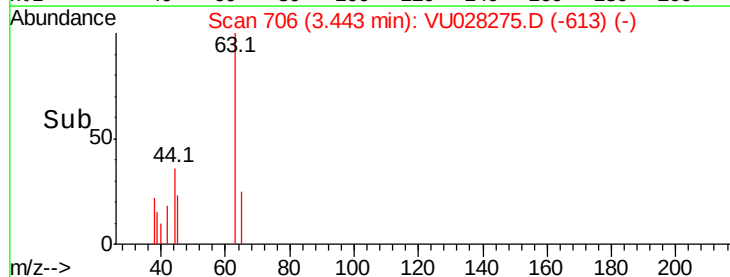
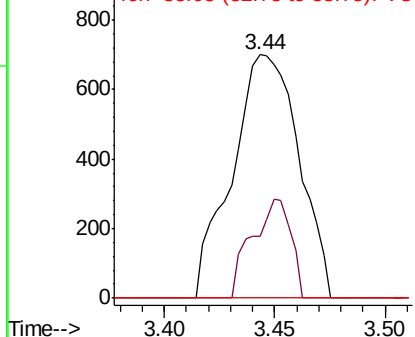


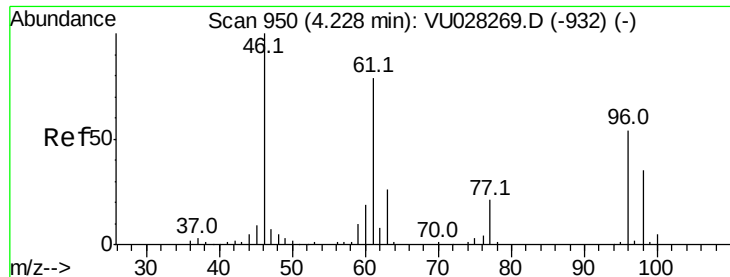
#19
1,1-Dichloroethane
Concen: 0.074 ug/L
RT: 3.44 min Scan# 706
Delta R.T. -0.00 min
Lab File: VU028275.D
Acq: 20 Nov 2018 14:00

Tgt Ion: 63 Resp: 1468
Ion Ratio Lower Upper
63 100
65 25.2 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



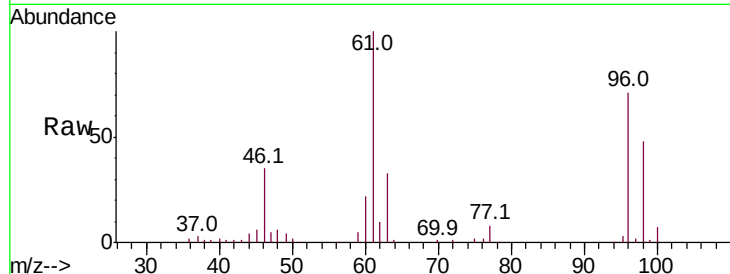


#22

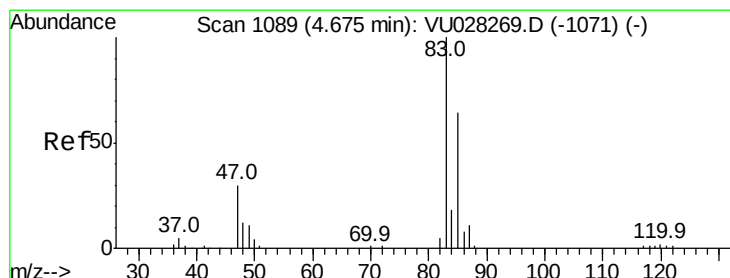
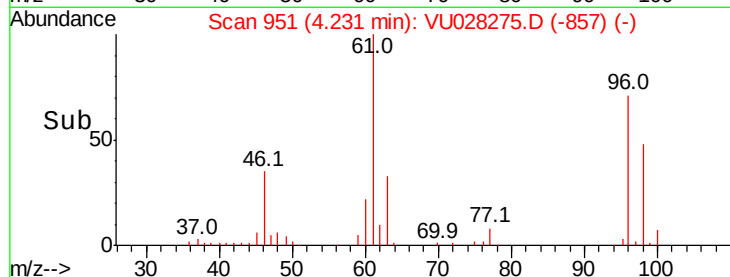
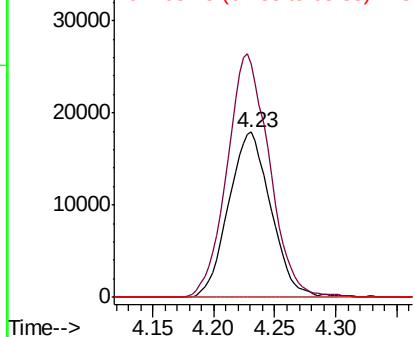
cis-1,2-Dichloroethene
 Concen: 4.291 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028275.D
 Acq: 20 Nov 2018 14:00

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 43120
 Ion Ratio Lower Upper
 96 100
 61 141.4 108.0 200.6
 68 0.0 0.0 0.0



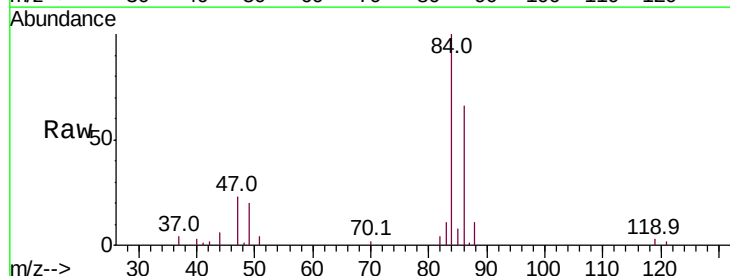
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



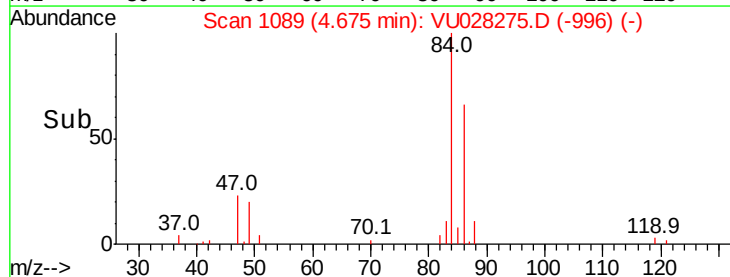
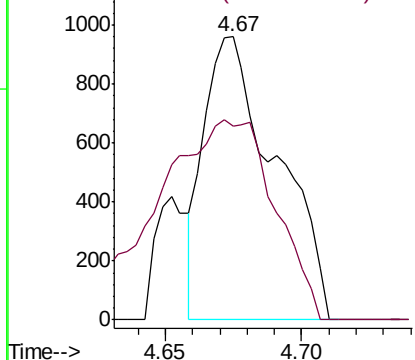
#25

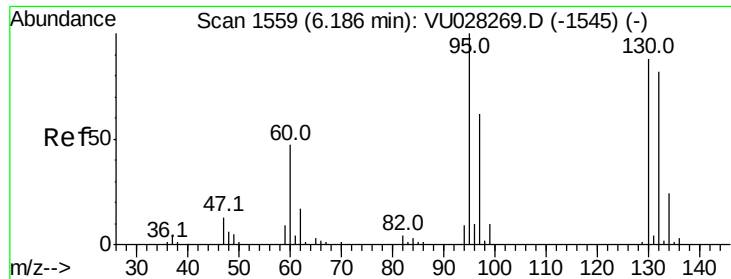
Chloroform
 Concen: 0.083 ug/L
 RT: 4.67 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VU028275.D
 Acq: 20 Nov 2018 14:00

Tgt Ion: 83 Resp: 1766
 Ion Ratio Lower Upper
 83 100
 85 68.3 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 6.962 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 69594

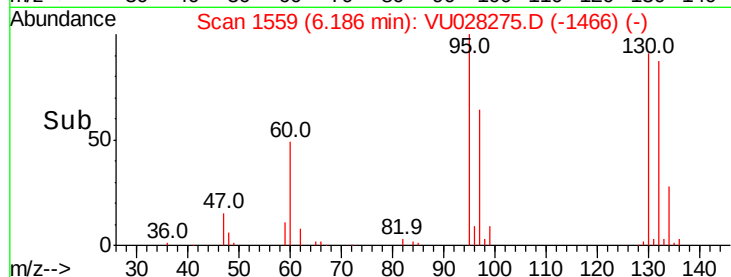
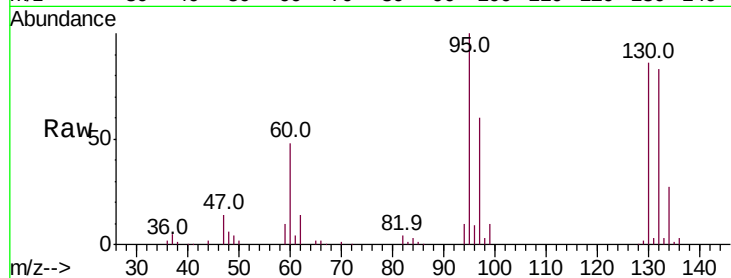
Ion Ratio Lower Upper

95 100

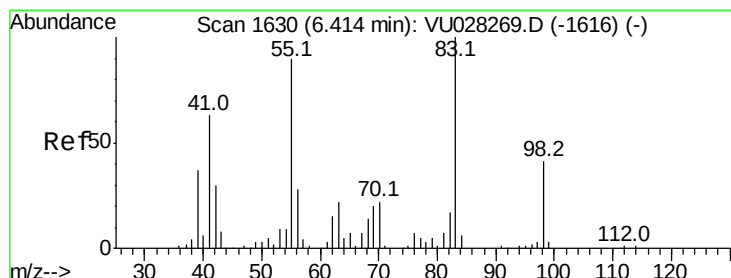
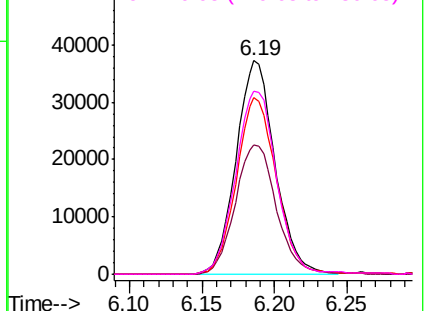
97 60.5 46.5 86.3

132 82.6 58.9 109.3

130 85.8 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: 0.559 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

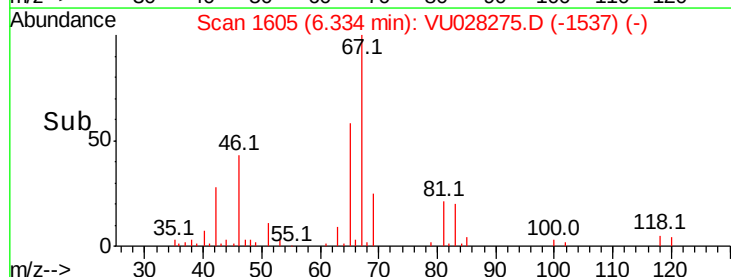
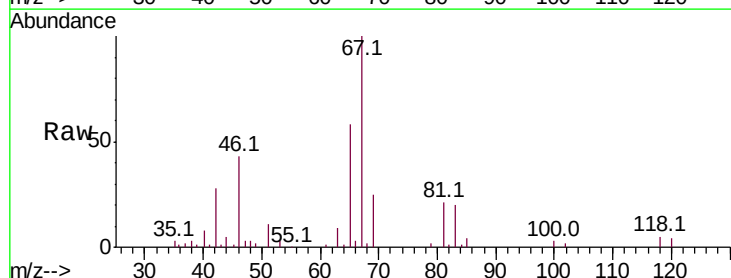
Tgt Ion: 83 Resp: 8798

Ion Ratio Lower Upper

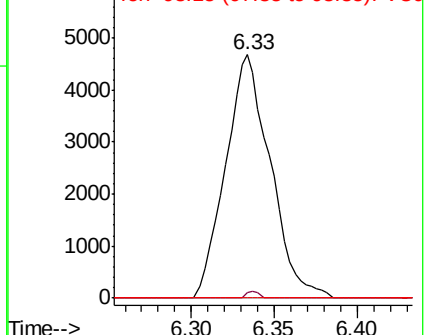
83 100

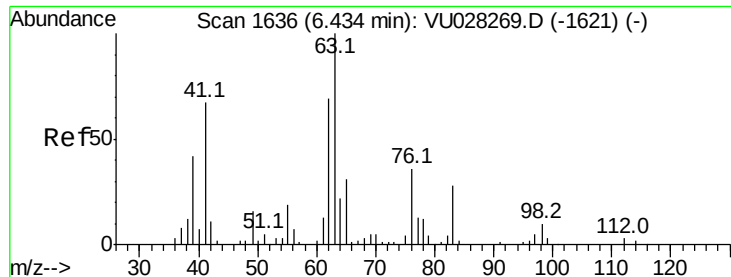
55 0.7 73.2 109.8#

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

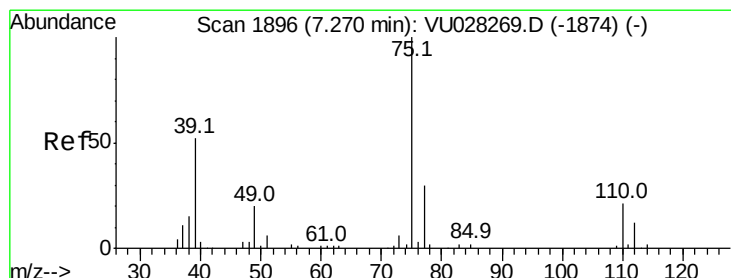
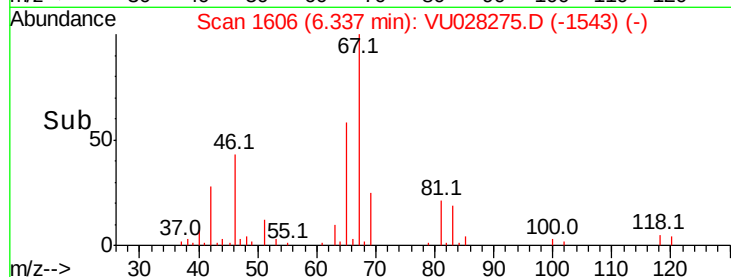
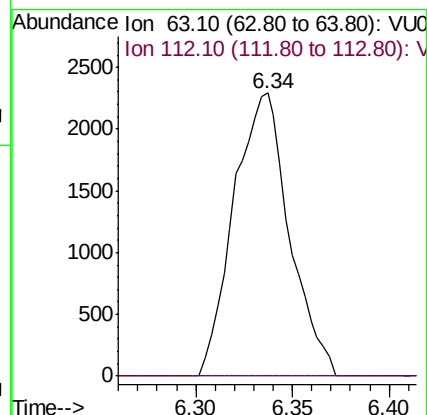
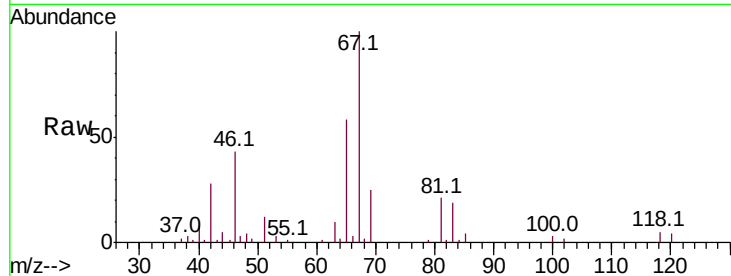




#37
 1,2-Dichloropropane
 Concen: 0.393 ug/L
 RT: 6.34 min Scan# 1606
 Delta R.T. -0.10 min
 Lab File: VU028275.D
 Acq: 20 Nov 2018 14:00

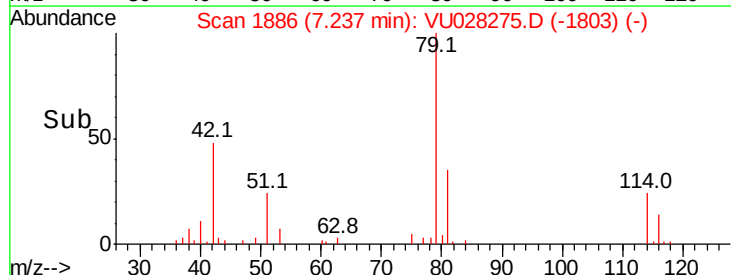
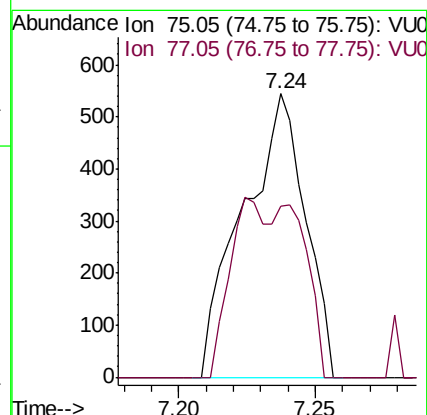
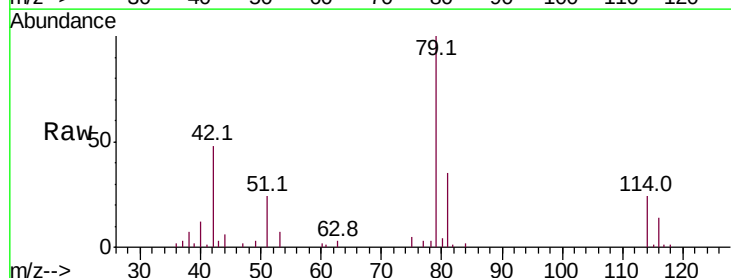
Instrument :
 MSVOA_U
 ClientSampled :

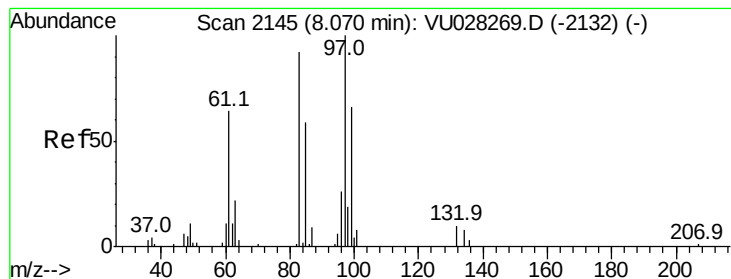
Tot Ion: 63 Resp: 4580
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.059 ug/L
 RT: 7.24 min Scan# 1886
 Delta R.T. -0.03 min
 Lab File: VU028275.D
 Acq: 20 Nov 2018 14:00

Tgt Ion: 75 Resp: 865
 Ion Ratio Lower Upper
 75 100
 77 60.3 21.7 40.3#





#45

1,1,2-Trichloroethane

Concen: 0.057 ug/L

RT: 8.22 min Scan# 2191

Delta R.T. 0.15 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 399

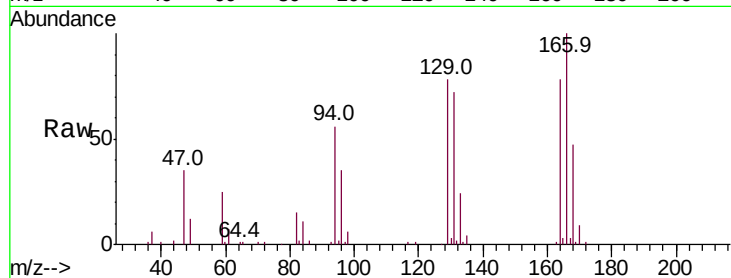
Ion Ratio Lower Upper

97 100

99 0.0 44.2 82.0#

83 200.8 63.3 117.5#

85 0.0 41.9 77.9#

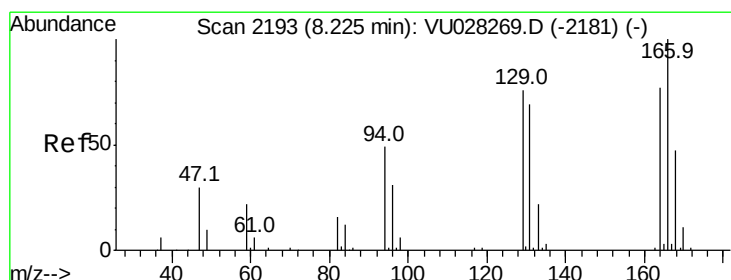
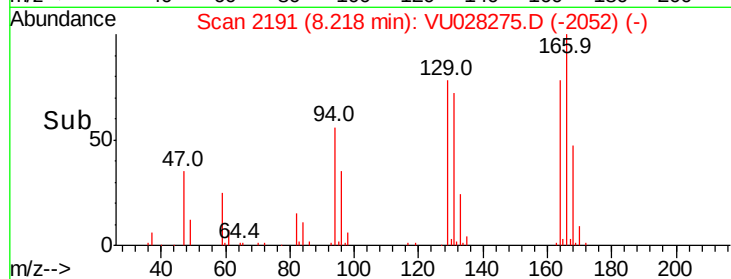
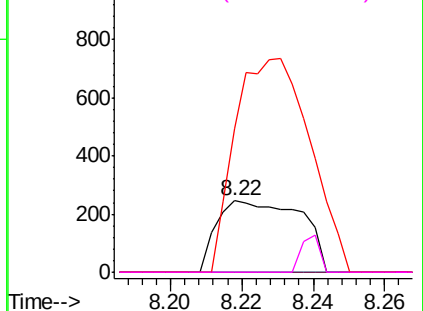


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 6.657 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

Tgt Ion:164 Resp: 46193

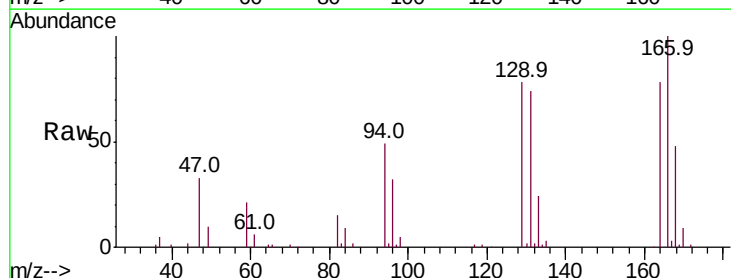
Ion Ratio Lower Upper

164 100

129 99.9 67.6 125.6

131 94.8 66.3 123.1

166 128.7 89.2 165.6

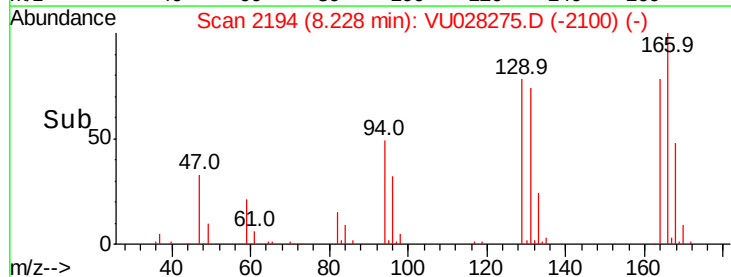
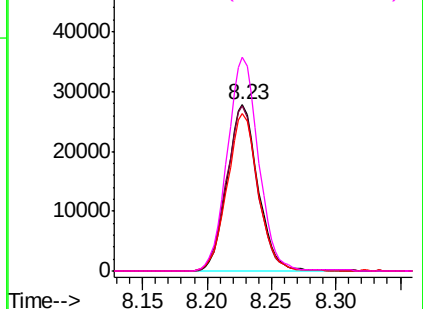


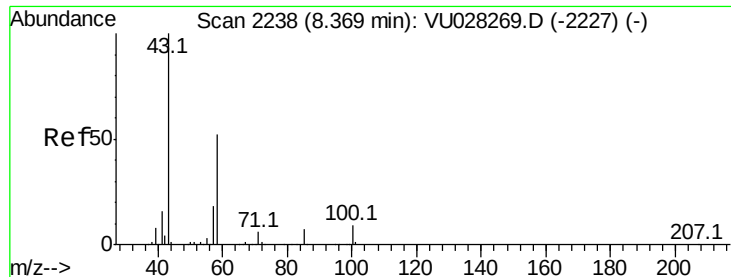
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

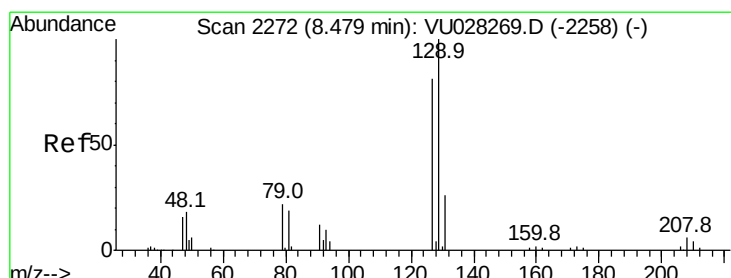
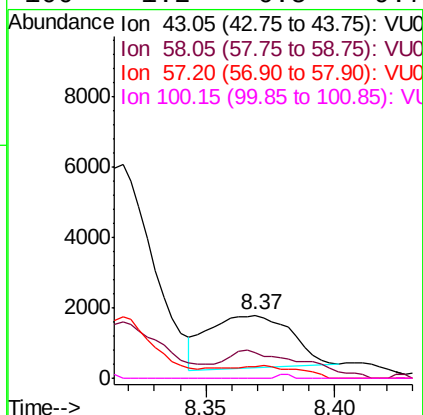
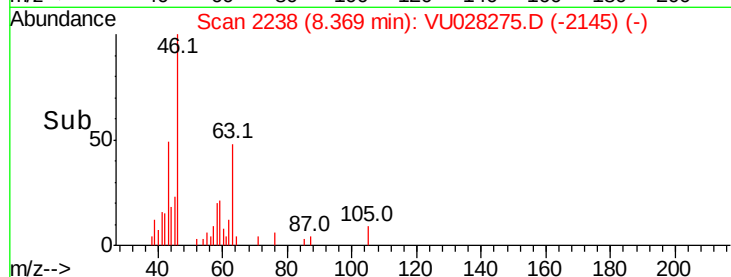
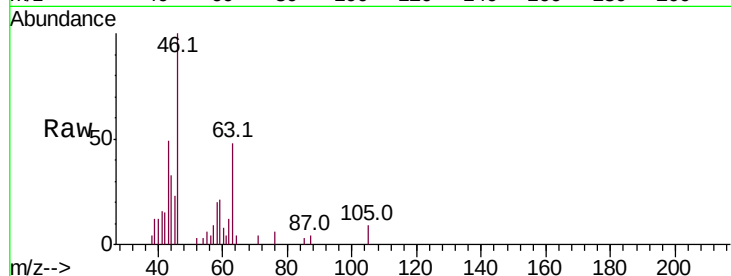




#48
2-Hexanone
Concen: 0.569 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VU028275.D
Acq: 20 Nov 2018 14:00

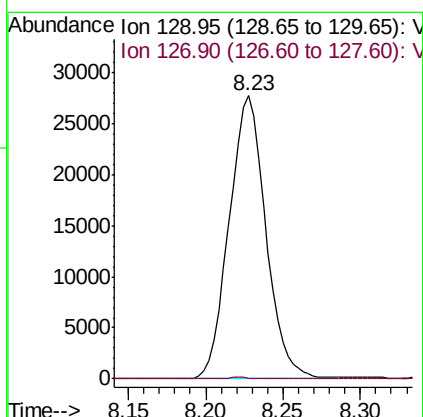
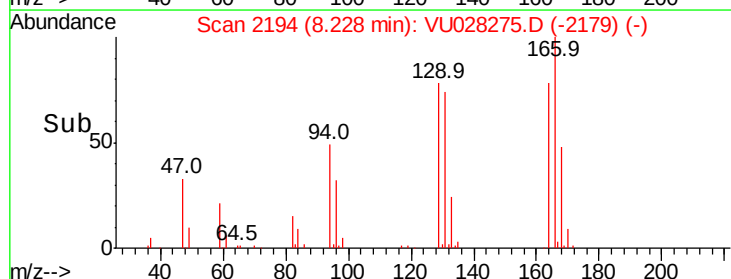
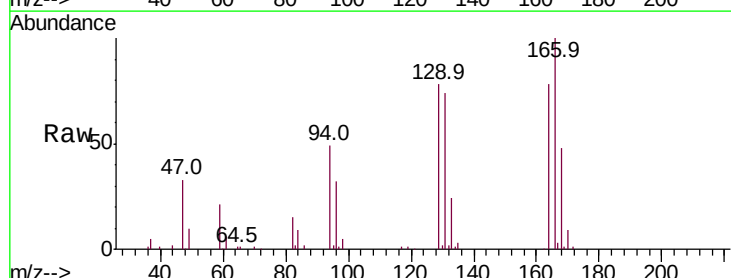
Instrument :
MSVOA_U
ClientSampleId :

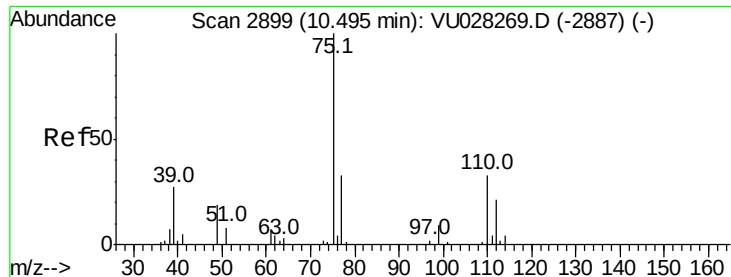
Tot Ion: 43 Resp: 3377
Ion Ratio Lower Upper
43 100
58 48.6 41.1 61.7
57 14.6 13.8 20.8
100 1.2 6.5 9.7#



#49
Dibromochloromethane
Concen: 6.402 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028275.D
Acq: 20 Nov 2018 14:00

Tgt Ion: 129 Resp: 45617
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#





#59

1,2,3-Trichloropropane

Concen: 1.204 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028275.D

Acq: 20 Nov 2018 14:00

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8106

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

