

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028273.D
 Acq On : 20 Nov 2018 13:13
 Operator : MD/SY
 Sample : J5986-17DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 06:36:38 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	131842	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	131523	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54087	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41480	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.68	69	37548	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.28	63	61445	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.20	46	173670	52.31	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.62%
24) Chloroform-d	4.65	84	85468	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.31	65	46994	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.34	84	162282	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.33	67	61443	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.57	98	133720	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloropropene-	7.85	79	18096	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.31	63	121745	46.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46822	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	50955	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	60911	4.552	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	529	0.062	ug/L #	24
12) 1,1-Dichloroethene	2.28	96	538	0.066	ug/L #	1
13) Acetone	2.32	43	2552	1.118	ug/L	82
15) Methyl Acetate	2.62	43	732	0.121	ug/L #	59
17) Methyl tert-butyl Ether	3.00	73	2517	0.103	ug/L #	40
18) trans-1,2-Dichloroethene	2.98	96	2107	0.244	ug/L #	69
19) 1,1-Dichloroethane	3.45	63	1083	0.054	ug/L #	84
22) cis-1,2-Dichloroethene	4.23	96	60660	5.936	ug/L	96
25) Chloroform	4.67	83	3209	0.148	ug/L	90
27) 1,2-Dichloroethane	5.35	62	917	0.074	ug/L #	78
33) Benzene	5.39	78	2241	0.052	ug/L	100
34) Trichloroethene	6.19	95	1301	0.122	ug/L	92
35) Methylcyclohexane	6.33	83	12591	0.752	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	5704	0.461	ug/L #	93
48) 2-Hexanone	8.36	43	3266	0.517	ug/L #	76
49) Dibromochloromethane	8.23	129	327	0.043	ug/L #	10

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

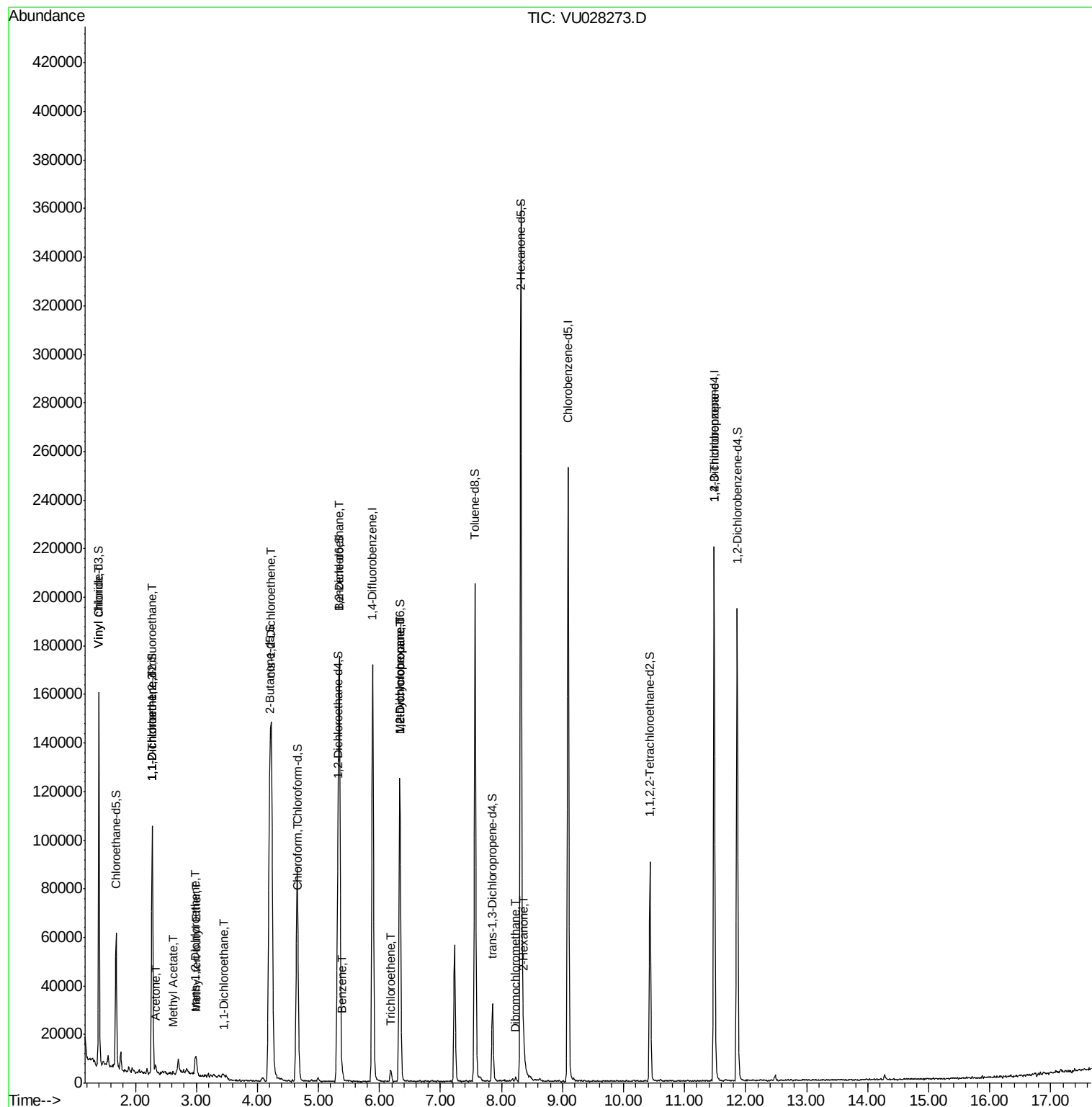
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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59) 1,2,3-Trichloropropane	11.48	75	8345	1.166	ug/L	98
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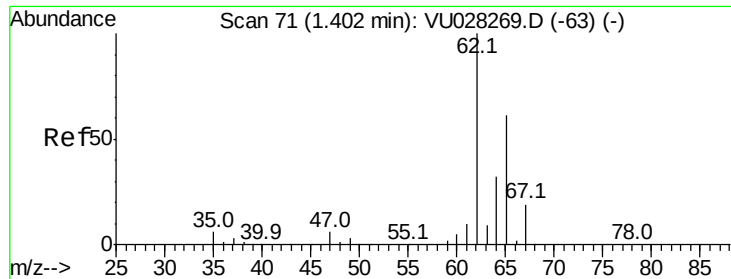
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.552 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

Instrument :

MSVOA_U

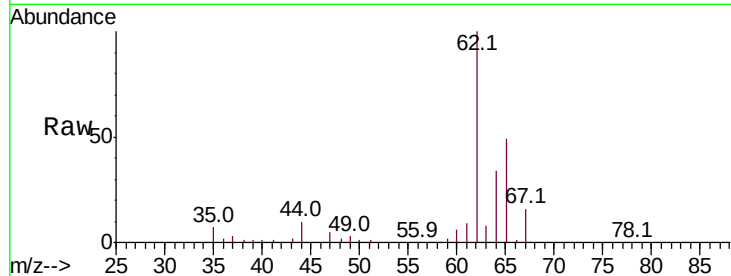
ClientSampleId :

Tot Ion: 62 Resp: 60911

Ion Ratio Lower Upper

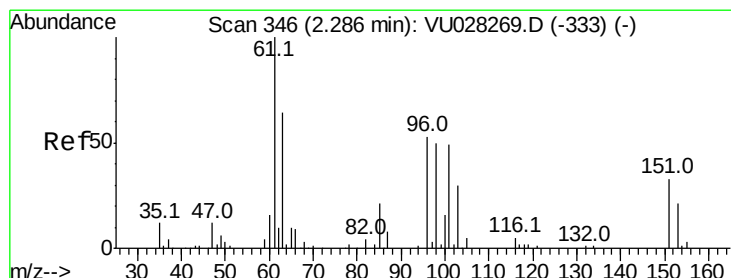
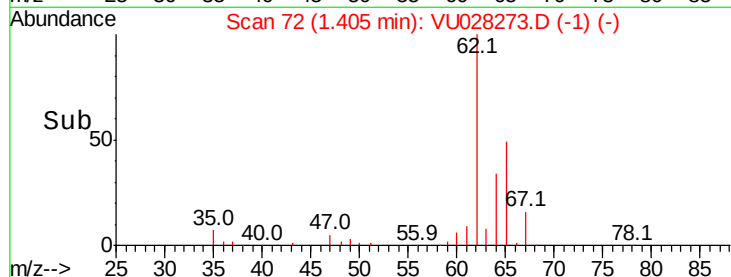
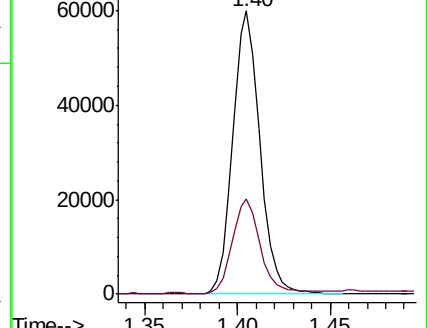
62 100

64 33.6 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU028273.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VU028273.D (-63) (-)



#10

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

Concen: 0.062 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

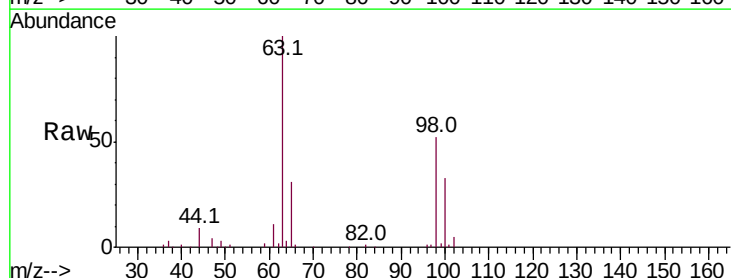
Tgt Ion: 101 Resp: 529

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

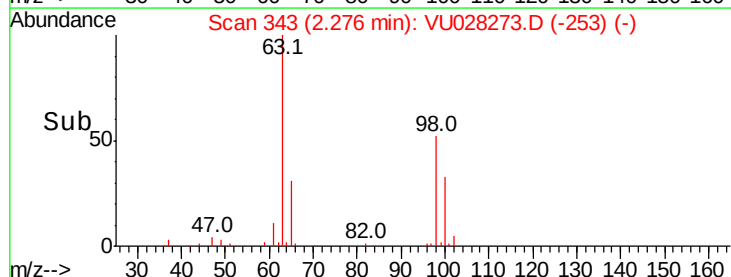
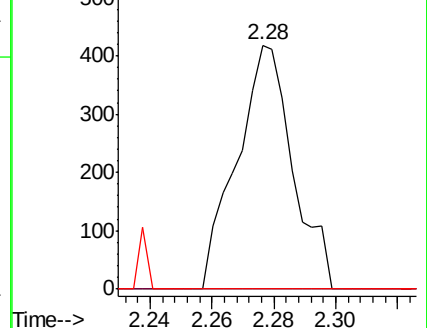
151 3.8 55.0 82.4#

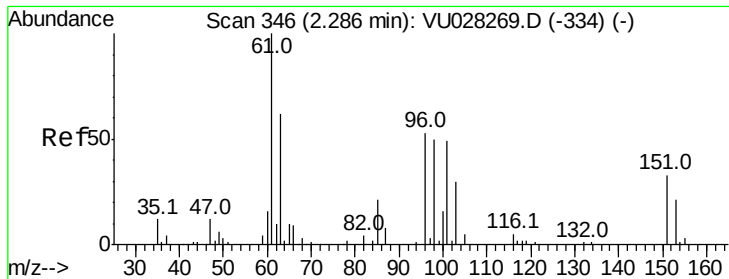


Abundance Ion 101.00 (100.70 to 101.70): VU028273.D (-253) (-)

Ion 85.00 (84.70 to 85.70): VU028273.D (-253) (-)

Ion 151.00 (150.70 to 151.70): VU028273.D (-253) (-)

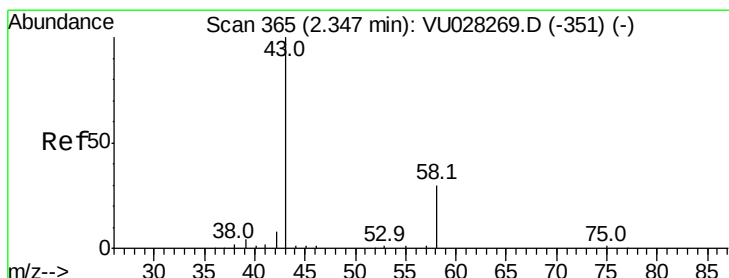
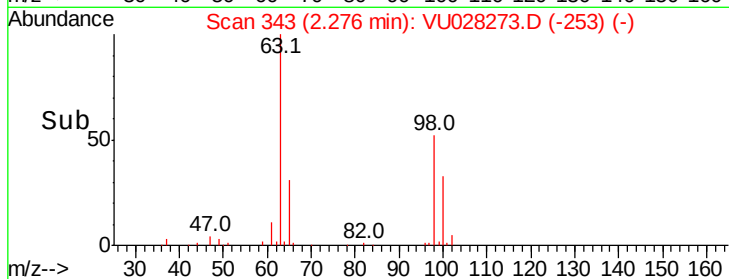
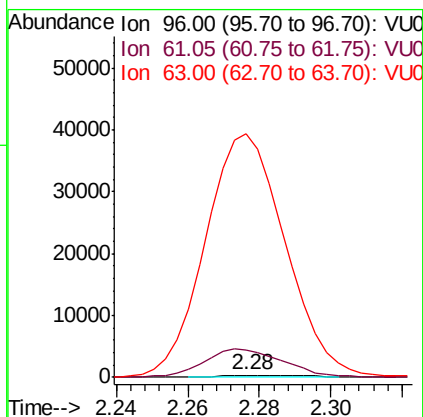
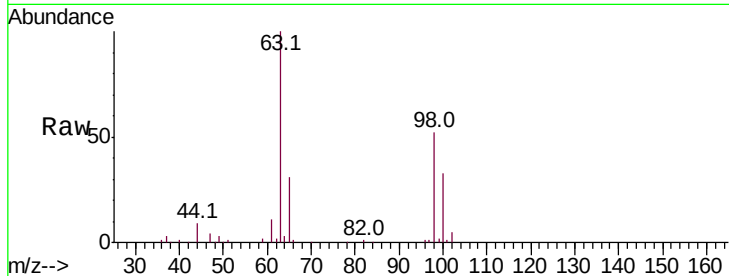




#12
 1,1-Dichloroethene
 Concen: 0.066 ug/L
 RT: 2.28 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VU028273.D
 Acq: 20 Nov 2018 13:13

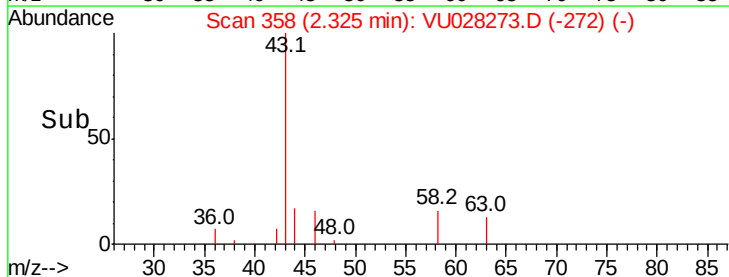
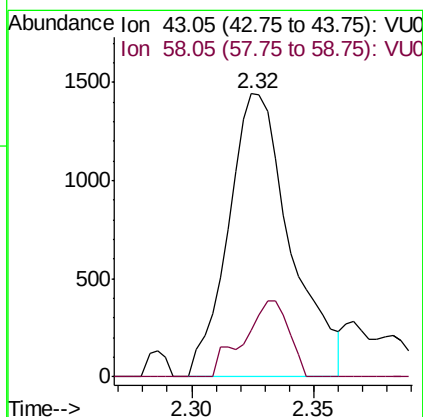
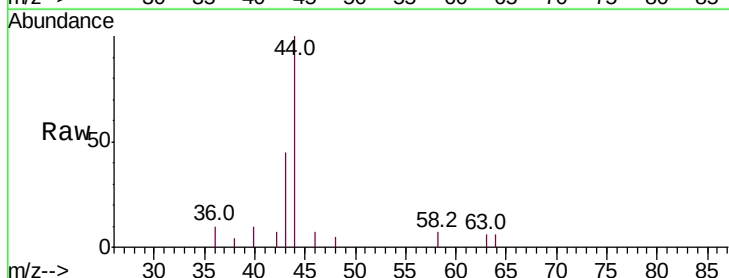
Instrument :
 MSVOA_U
 ClientSampleId :

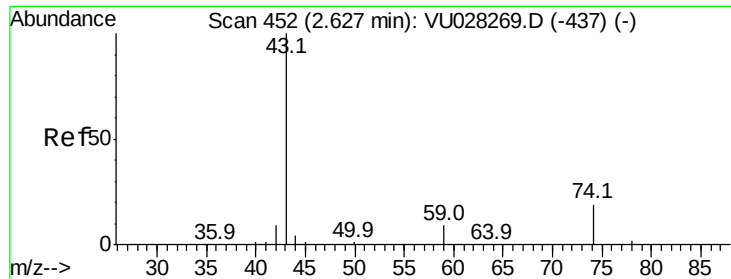
Tot Ion: 96 Resp: 538
 Ion Ratio Lower Upper
 96 100
 61 1178.1 145.5 270.1#
 63 10498.1 98.6 183.2#



#13
 Acetone
 Concen: 1.118 ug/L
 RT: 2.32 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VU028273.D
 Acq: 20 Nov 2018 13:13

Tgt Ion: 43 Resp: 2552
 Ion Ratio Lower Upper
 43 100
 58 19.5 0.0 58.6

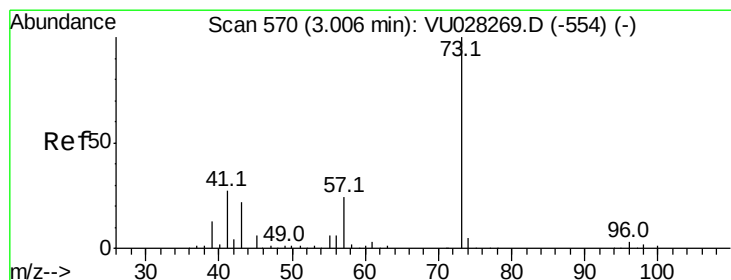
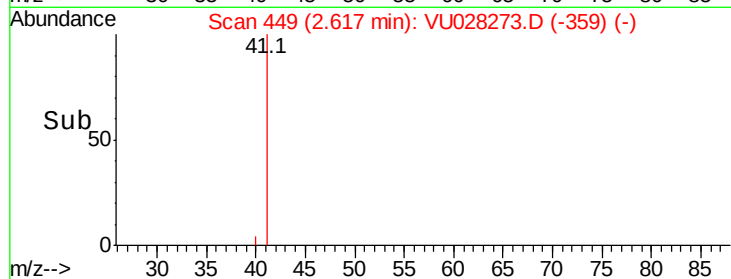
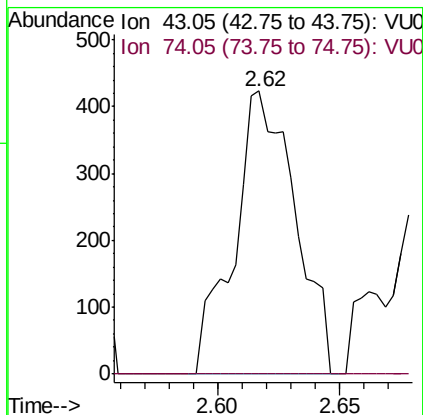
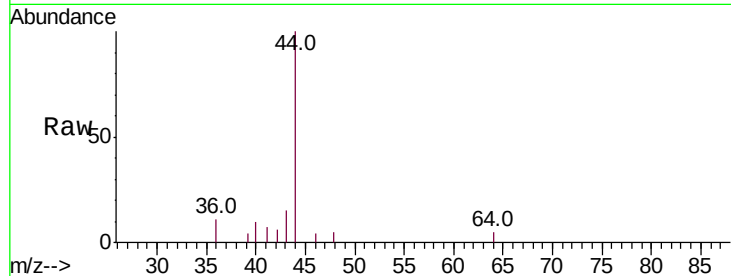




#15
Methyl Acetate
Concen: 0.121 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.01 min
Lab File: VU028273.D
Acq: 20 Nov 2018 13:13

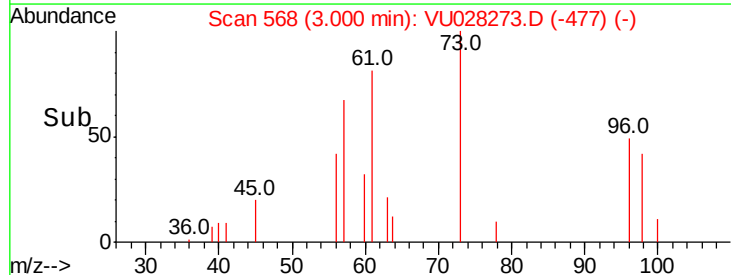
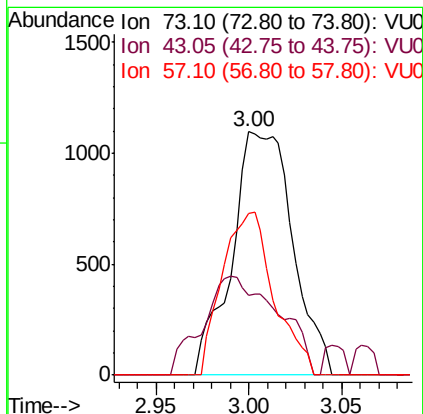
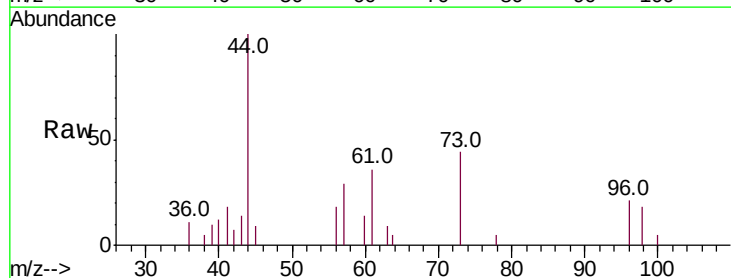
Instrument :
MSVOA_U
ClientSampled :

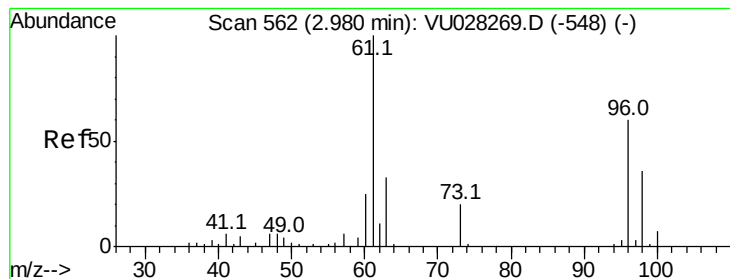
Tot Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
74 0.0 14.7 22.1#



#17
Methyl tert-butyl Ether
Concen: 0.103 ug/L
RT: 3.00 min Scan# 568
Delta R.T. -0.01 min
Lab File: VU028273.D
Acq: 20 Nov 2018 13:13

Tgt Ion: 73 Resp: 2517
Ion Ratio Lower Upper
73 100
43 50.1 18.8 28.2#
57 56.4 19.2 28.8#





#18

trans-1,2-Dichloroethene

Concen: 0.244 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

Instrument :

MSVOA_U

ClientSampleId :

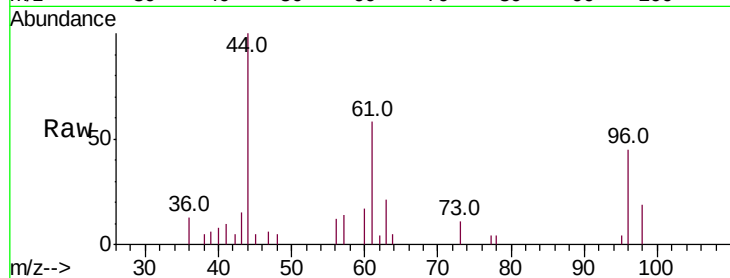
Tot Ion: 96 Resp: 2107

Ion Ratio Lower Upper

96 100

61 130.4 122.2 227.0

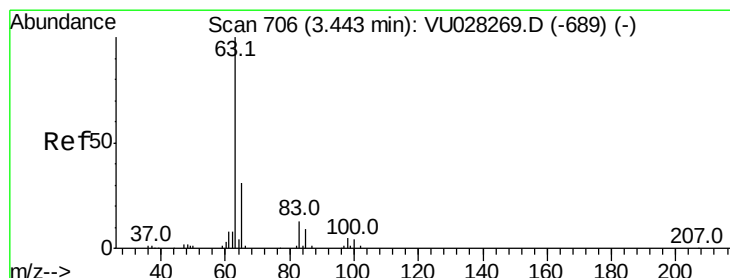
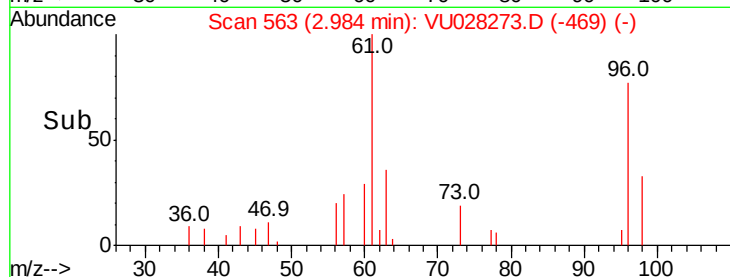
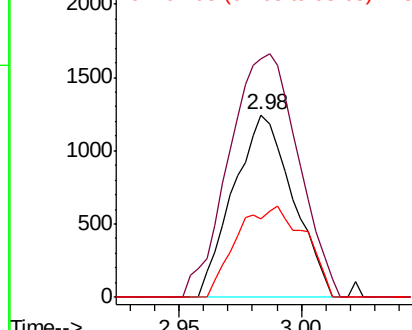
98 42.9 44.9 83.5#



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: 0.054 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.01 min

Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

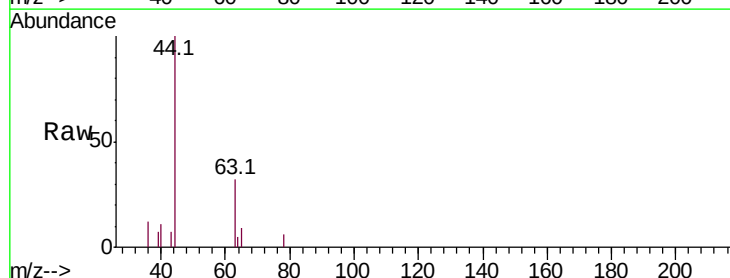
Tgt Ion: 63 Resp: 1083

Ion Ratio Lower Upper

63 100

65 25.4 21.2 39.4

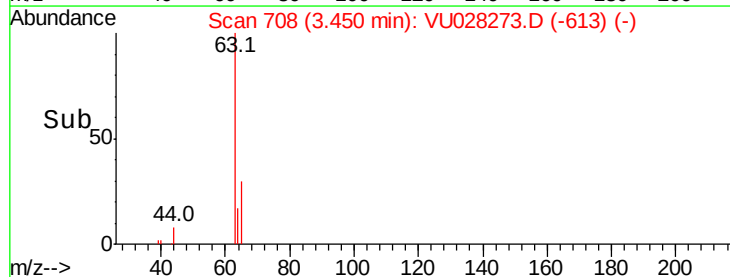
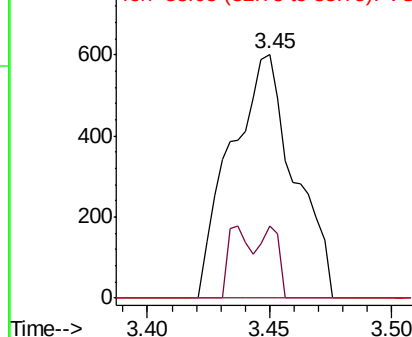
83 0.0 8.8 16.4#

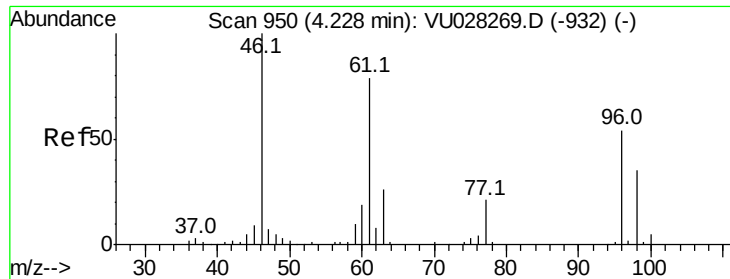


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



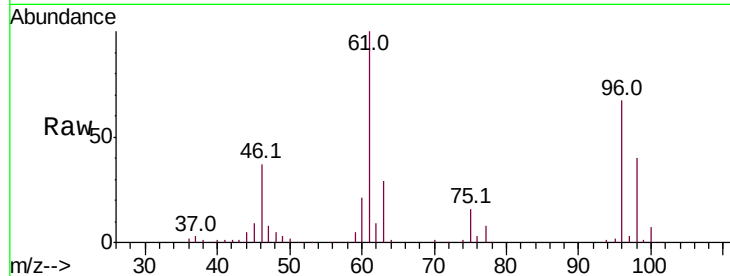


#22

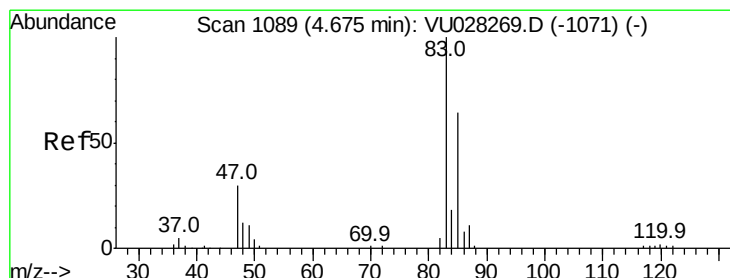
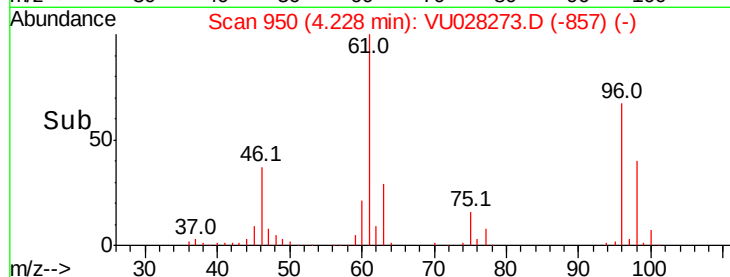
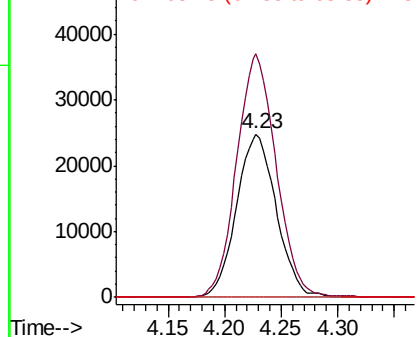
cis-1,2-Dichloroethene
Concen: 5.936 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028273.D
Acq: 20 Nov 2018 13:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 60660
Ion Ratio Lower Upper
96 100
61 149.1 108.0 200.6
68 0.0 0.0 0.0



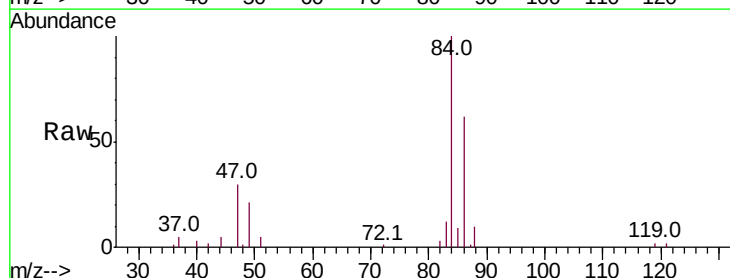
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



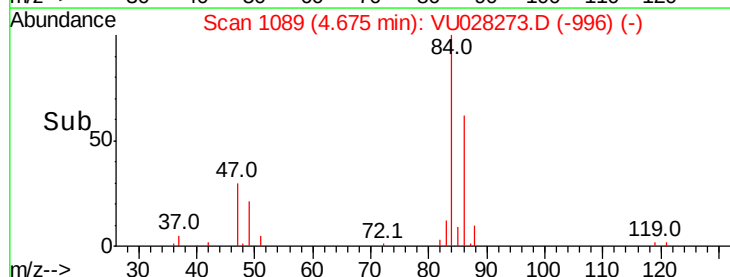
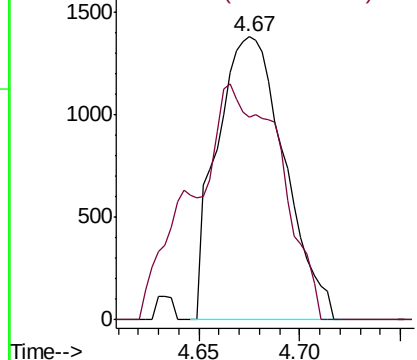
#25

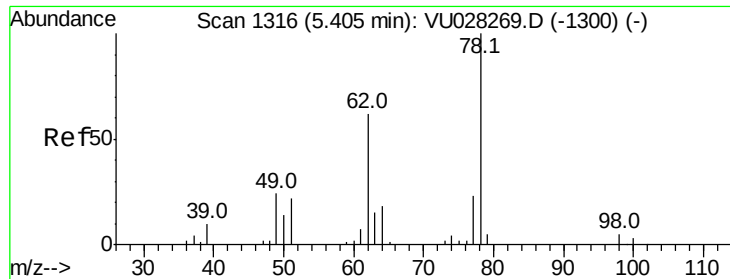
Chloroform
Concen: 0.148 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028273.D
Acq: 20 Nov 2018 13:13

Tgt Ion: 83 Resp: 3209
Ion Ratio Lower Upper
83 100
85 71.7 44.6 82.8



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

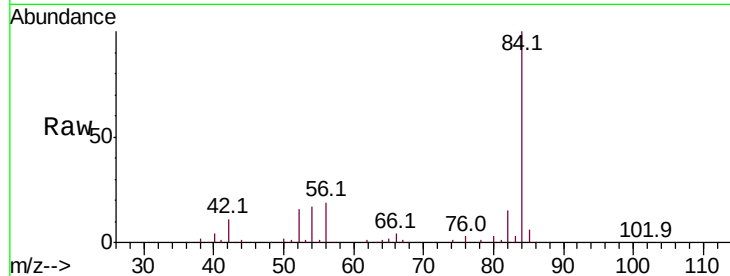




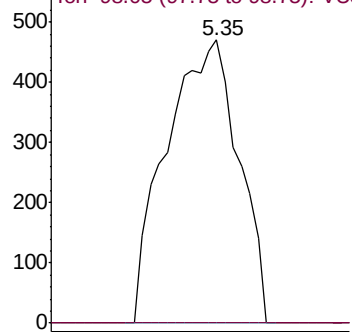
#27
 1,2-Dichloroethane
 Concen: 0.074 ug/L
 RT: 5.35 min Scan# 1299
 Delta R.T. -0.05 min
 Lab File: VU028273.D
 Acq: 20 Nov 2018 13:13

Instrument :
 MSVOA_U
 ClientSampleId :

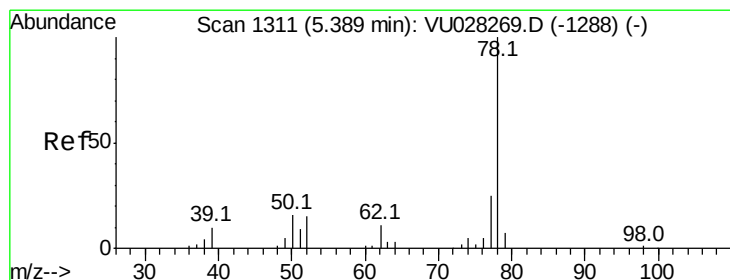
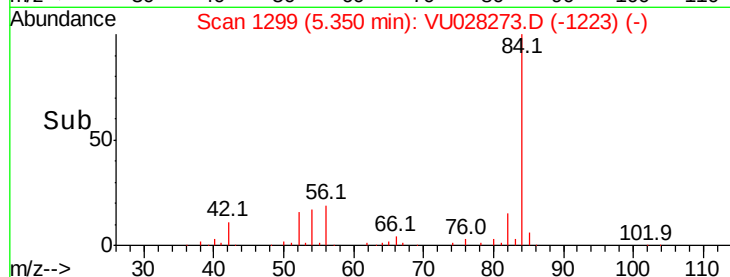
Tot Ion: 62 Resp: 917
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0

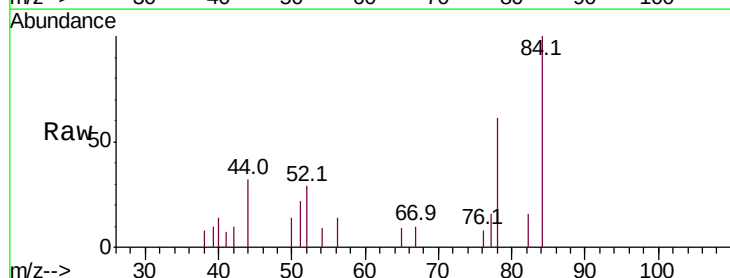


Time-->

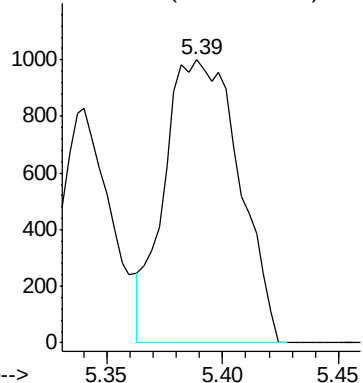


#33
 Benzene
 Concen: 0.052 ug/L
 RT: 5.39 min Scan# 1311
 Delta R.T. 0.00 min
 Lab File: VU028273.D
 Acq: 20 Nov 2018 13:13

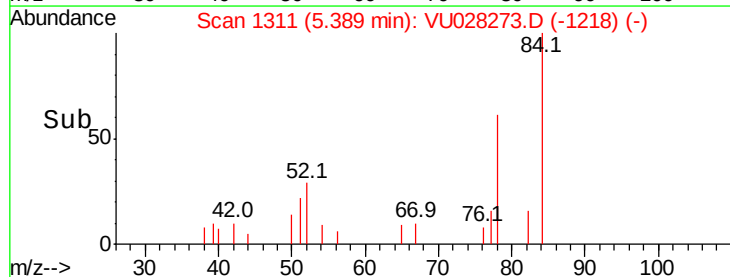
Tgt Ion: 78 Resp: 2241

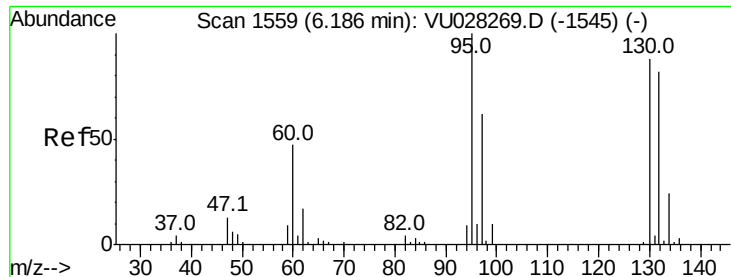


Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->





#34

Trichloroethene

Concen: 0.122 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 1301

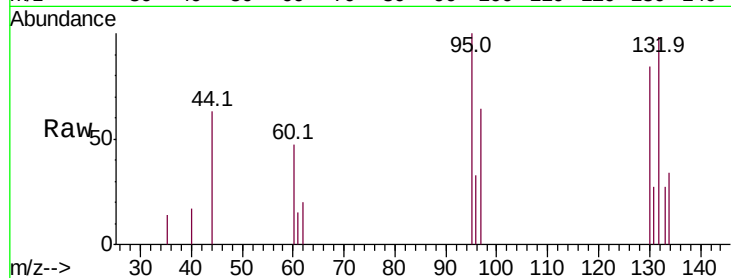
Ion Ratio Lower Upper

95 100

97 63.6 46.5 86.3

132 98.5 58.9 109.3

130 83.5 61.3 113.9

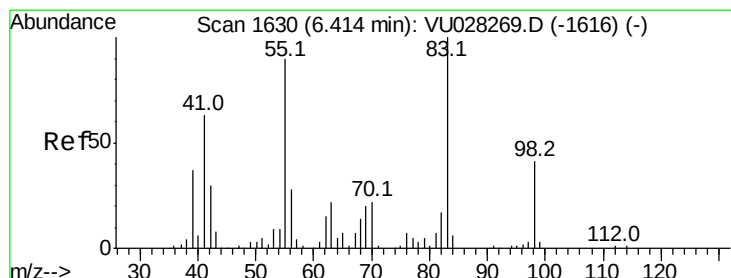
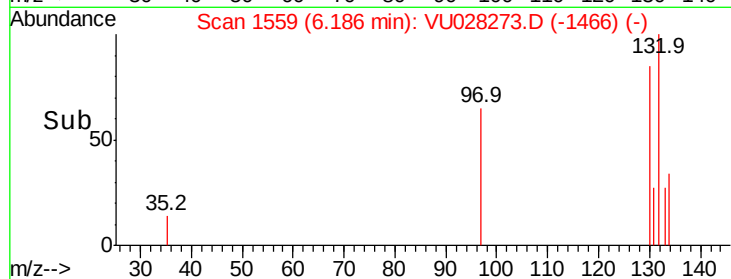
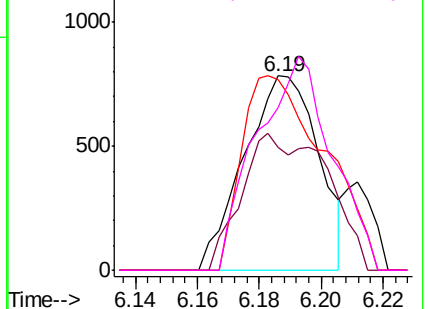


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.752 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

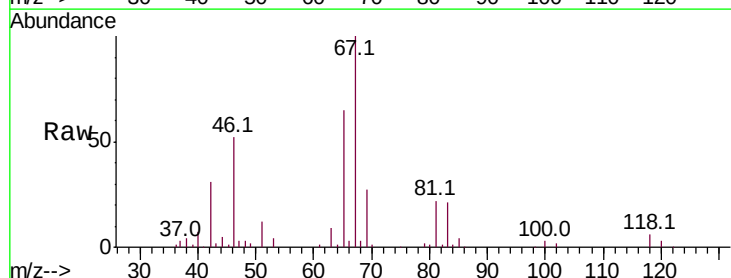
Tgt Ion: 83 Resp: 12591

Ion Ratio Lower Upper

83 100

55 0.2 73.2 109.8#

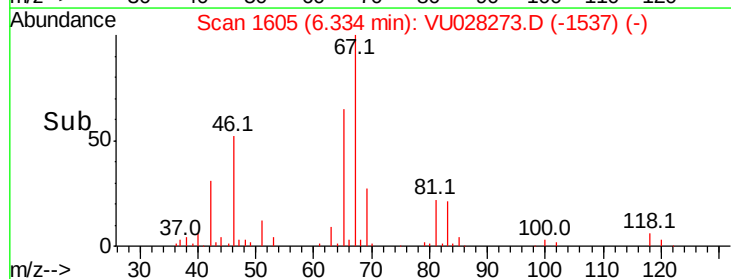
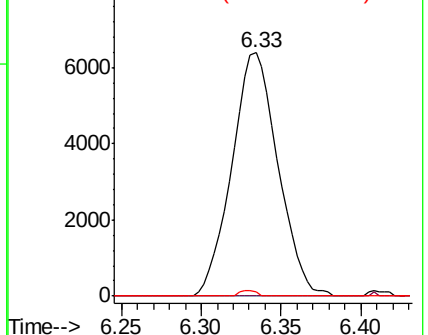
98 0.8 33.4 50.2#

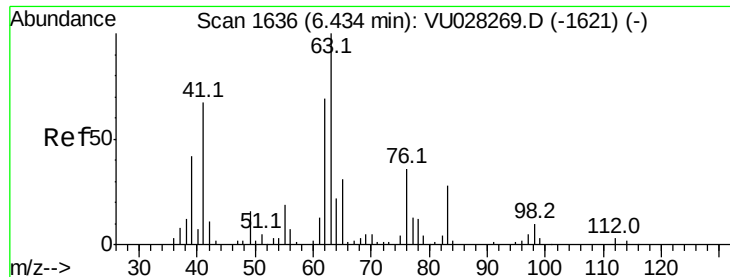


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.461 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

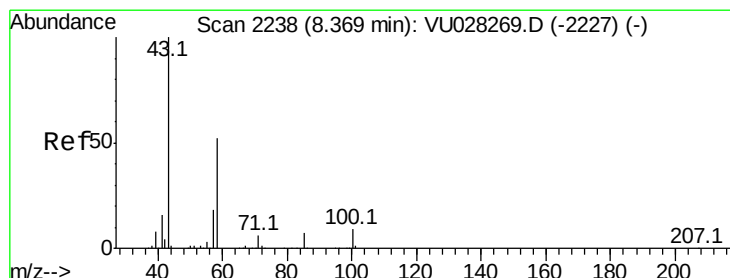
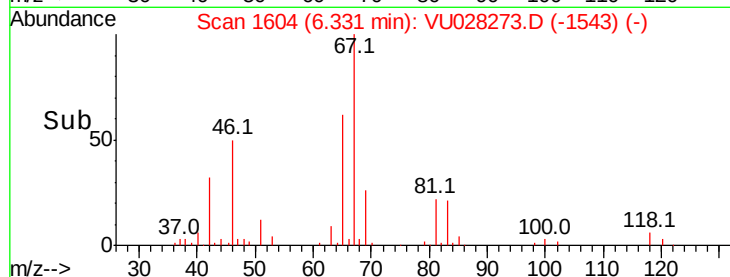
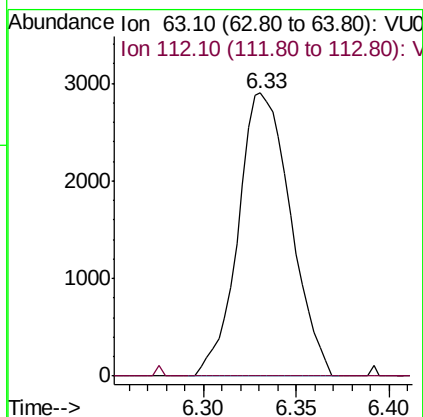
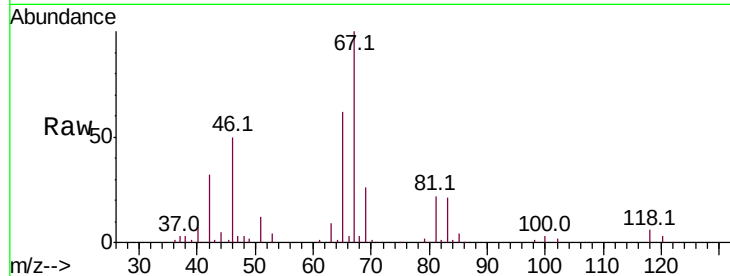
Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 5704

Ion	Ratio	Lower	Upper
63	100		
112	0.4	2.2	3.2#



#48

2-Hexanone

Concen: 0.517 ug/L

RT: 8.36 min Scan# 2236

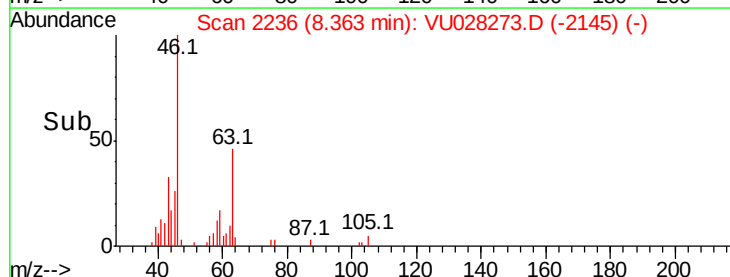
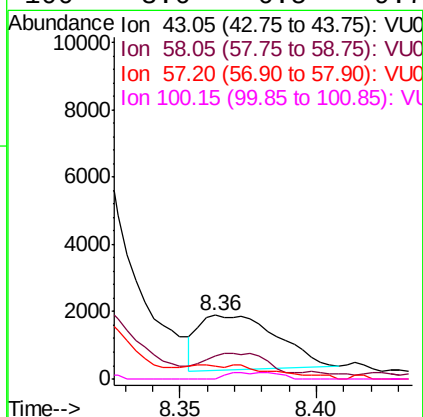
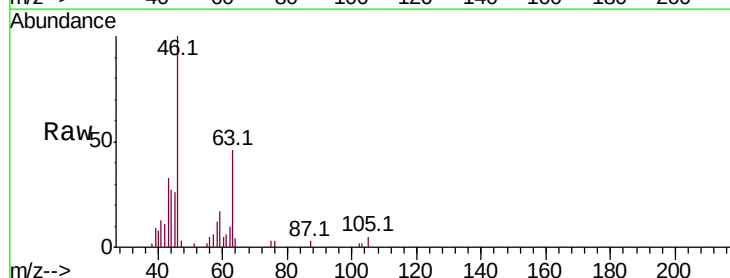
Delta R.T. -0.01 min

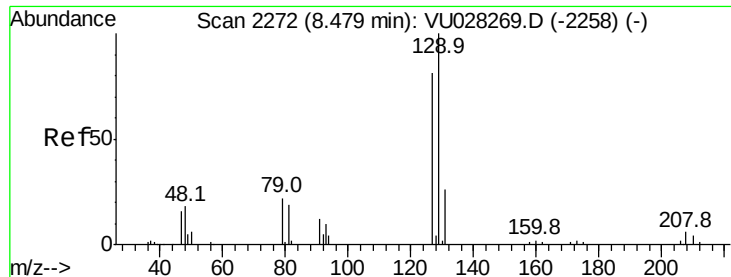
Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

Tgt Ion: 43 Resp: 3266

Ion	Ratio	Lower	Upper
43	100		
58	28.4	41.1	61.7#
57	15.4	13.8	20.8
100	3.6	6.5	9.7#





#49

Dibromochloromethane

Concen: 0.043 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028273.D

Acq: 20 Nov 2018 13:13

Instrument :

MSVOA_U

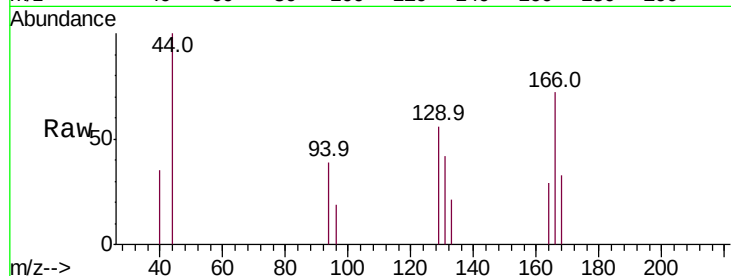
ClientSampleId :

Tot Ion:129 Resp: 327

Ion Ratio Lower Upper

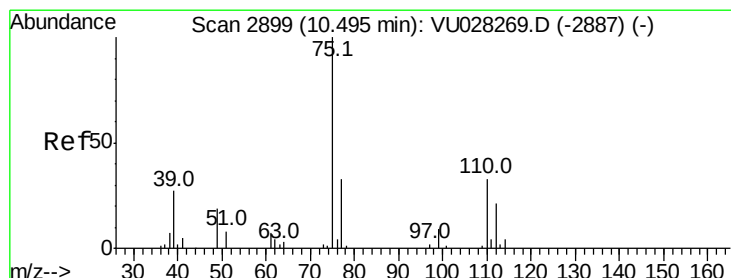
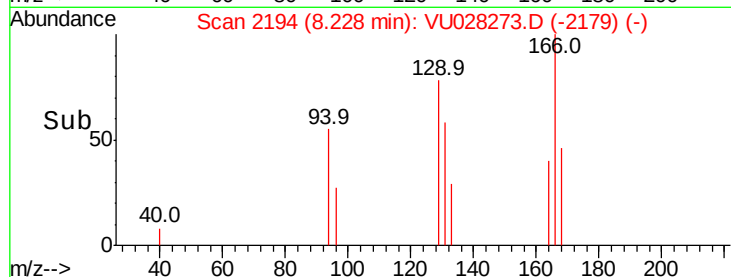
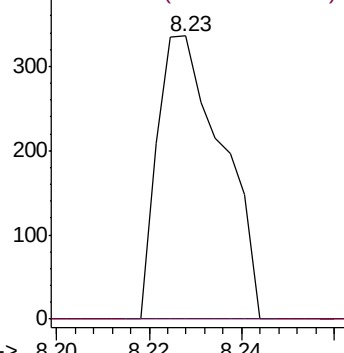
129 100

127 0.0 54.7 101.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.166 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028273.D

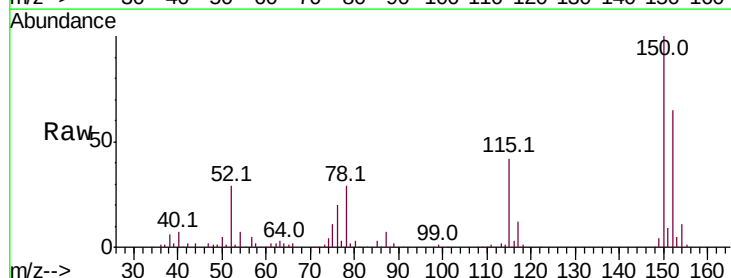
Acq: 20 Nov 2018 13:13

Tgt Ion: 75 Resp: 8345

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

