

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028277.D
 Acq On : 20 Nov 2018 14:47
 Operator : MD/SY
 Sample : J5995-06RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 06:37:11 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	135520	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	130601	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	57046	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36909	3.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.40%
7) Chloroethane-d5	1.68	69	34968	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.28	63	53394	2.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.60%#
20) 2-Butanone-d5	4.20	46	166432	48.77	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.54%
24) Chloroform-d	4.65	84	78602	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.31	65	45325	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.34	84	149593	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.33	67	59450	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	7.57	98	120047	3.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.40%
43) trans-1,3-Dichloropropene-	7.85	79	16154	3.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.20%
46) 2-Hexanone-d5	8.31	63	114151	43.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46509	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	47480	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	464	0.041 ug/L #	86
5) Vinyl chloride	1.40	62	661	0.048 ug/L #	1
8) Chloroethane	1.71	64	1421	0.175 ug/L #	45
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	368	0.042 ug/L #	21
12) 1,1-Dichloroethene	2.28	96	500	0.060 ug/L #	1
13) Acetone	2.33	43	11045	4.706 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	7513	0.300 ug/L #	93
18) trans-1,2-Dichloroethene	2.98	96	1368	0.154 ug/L #	58
19) 1,1-Dichloroethane	3.44	63	1258	0.061 ug/L #	87
22) cis-1,2-Dichloroethene	4.23	96	43284	4.120 ug/L	92
25) Chloroform	4.68	83	2064	0.093 ug/L	82
34) Trichloroethene	6.19	95	67861	6.433 ug/L	96
35) Methylcyclohexane	6.33	83	12403	0.746 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	5984	0.487 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1303	0.084 ug/L #	81
47) Tetrachloroethene	8.22	164	45606	6.228 ug/L	97
48) 2-Hexanone	8.36	43	2964	0.473 ug/L #	46

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QLast Update : Wed Nov 21 06:33:43 2018
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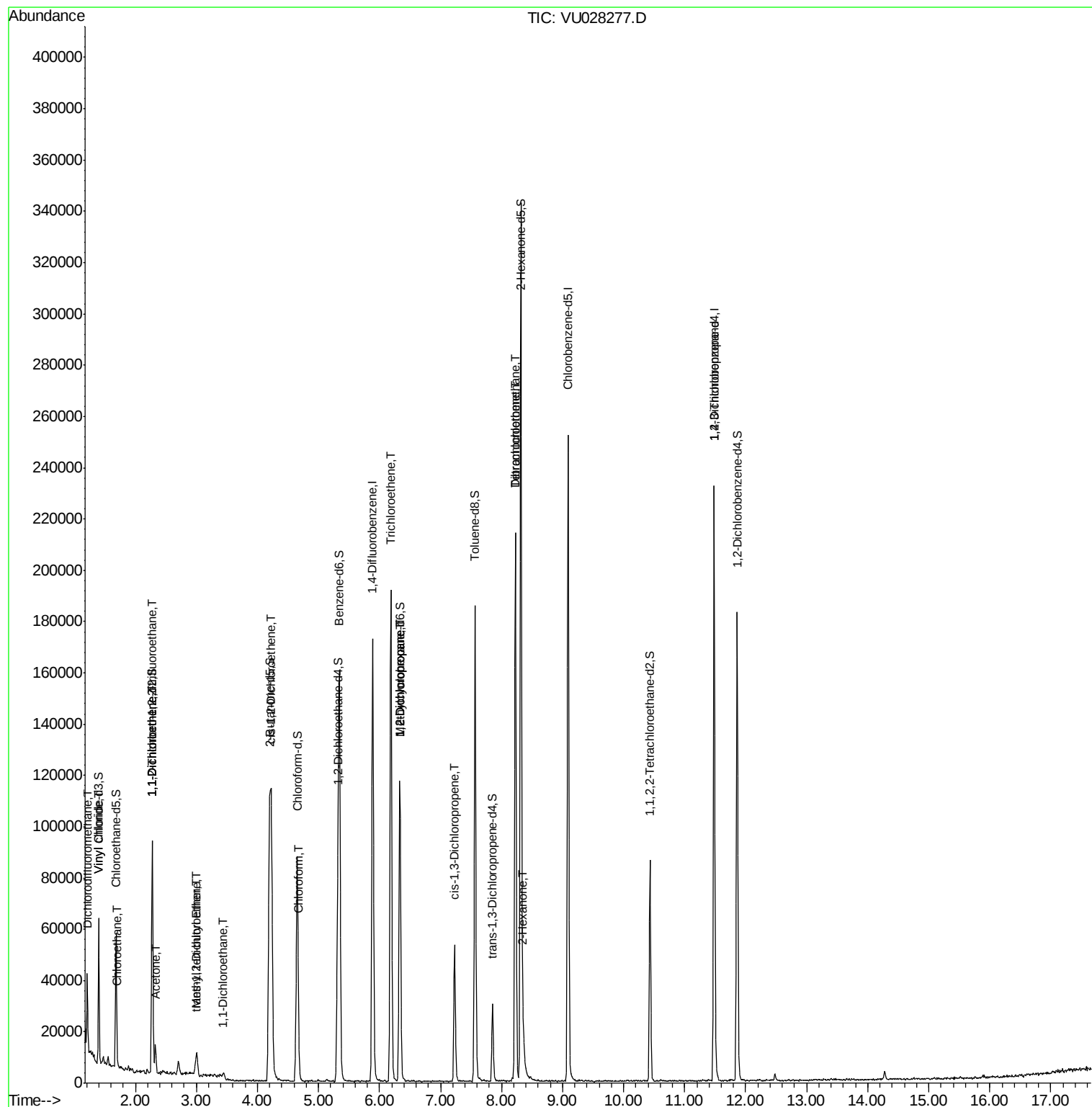
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.23	129	43099	5.731	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	8799	1.238	ug/L	99

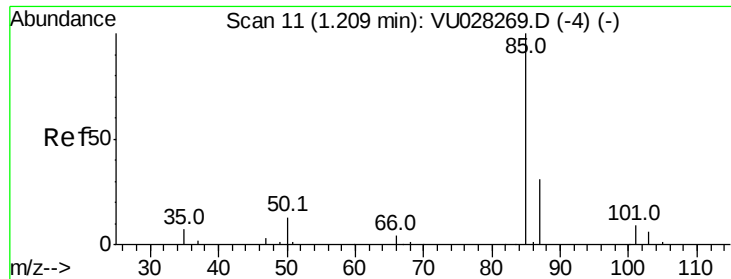
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.041 ug/L

RT: 1.21 min Scan# 12

Delta R.T. 0.00 min

Lab File: VU028277.D

Acq: 20 Nov 2018 14:47

Instrument :

MSVOA_U

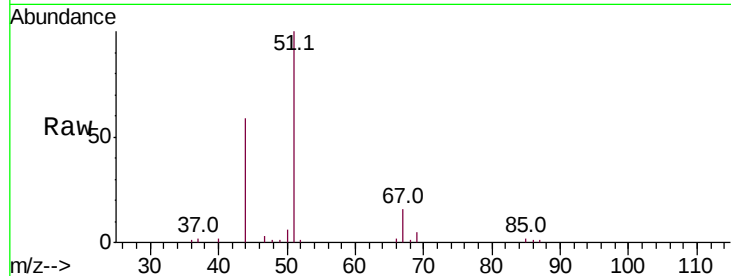
ClientSampled :

Tot Ion: 85 Resp: 464

Ion Ratio Lower Upper

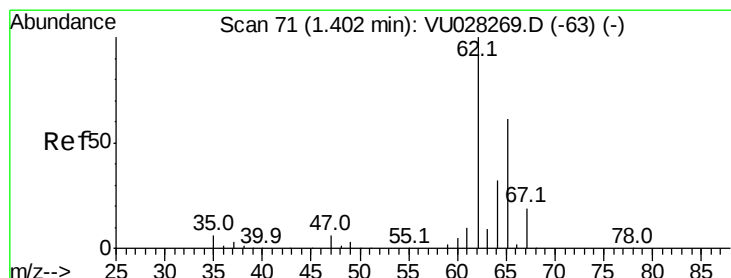
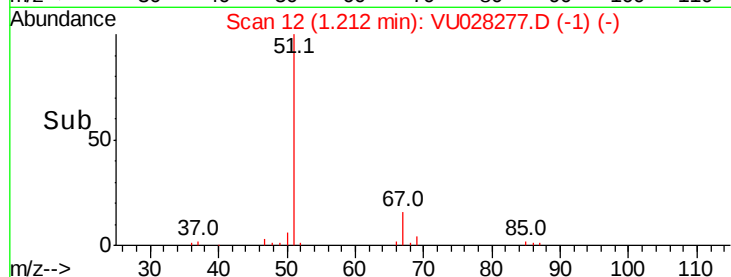
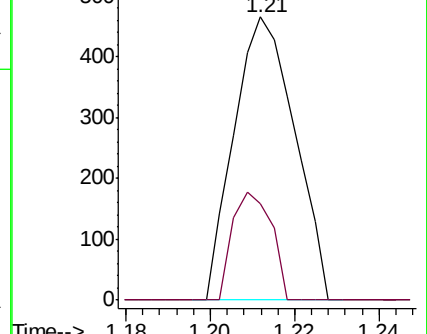
85 100

87 24.6 25.9 38.9#



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#5

Vinyl chloride

Concen: 0.048 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028277.D

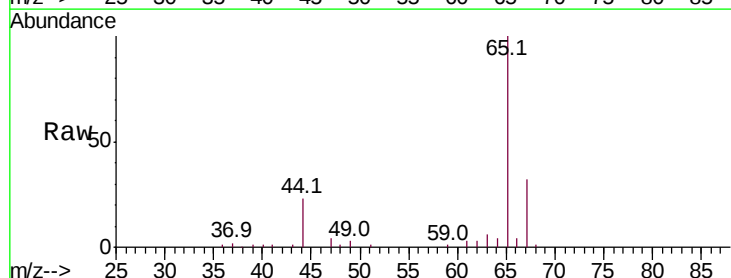
Acq: 20 Nov 2018 14:47

Tgt Ion: 62 Resp: 661

Ion Ratio Lower Upper

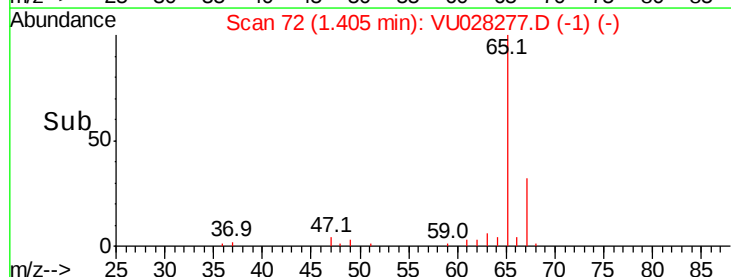
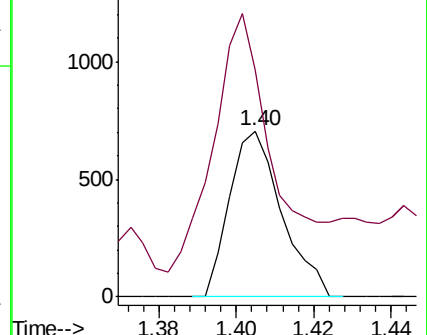
62 100

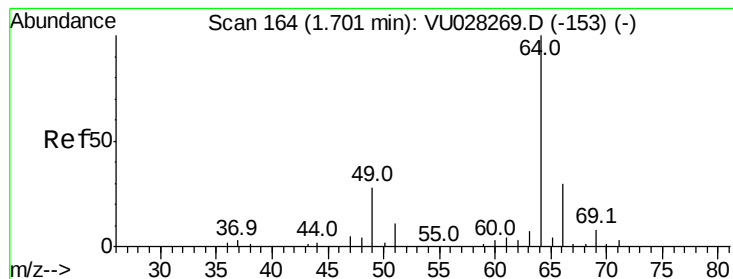
64 136.4 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.175 ug/L

RT: 1.71 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU028277.D

Acq: 20 Nov 2018 14:47

Instrument :

MSVOA_U

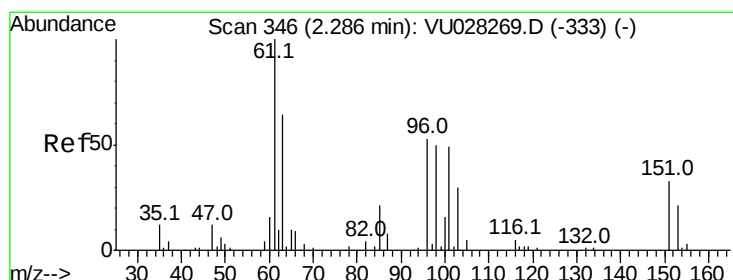
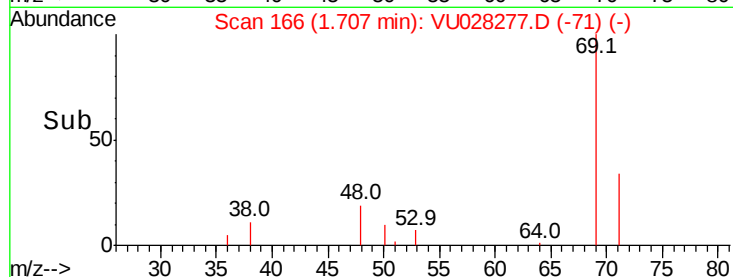
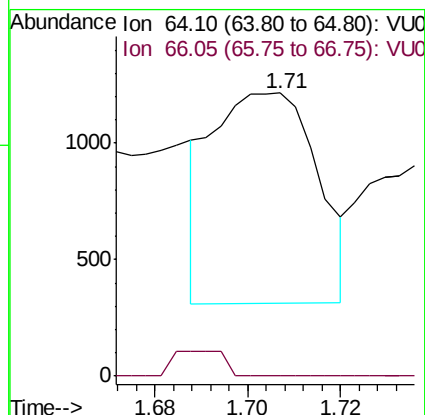
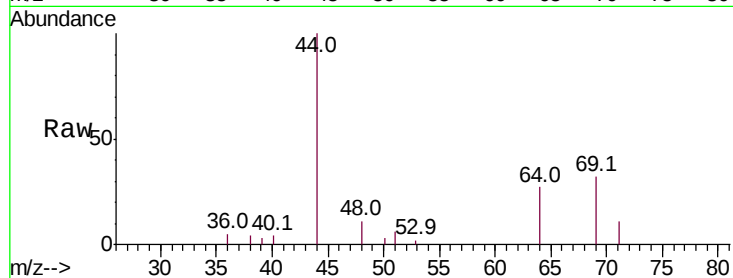
ClientSampled :

Tot Ion: 64 Resp: 1421

Ion Ratio Lower Upper

64 100

66 0.0 20.7 38.5#



#10

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

Concen: 0.042 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028277.D

Acq: 20 Nov 2018 14:47

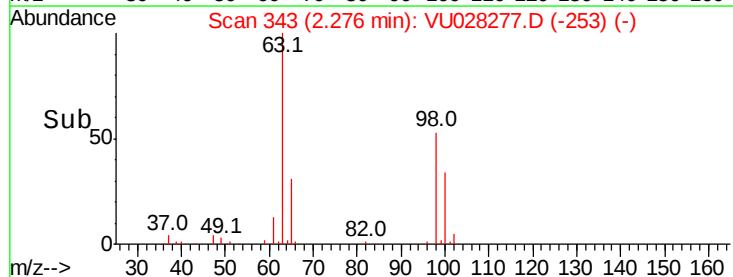
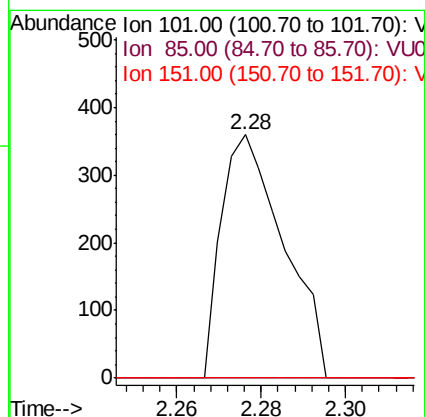
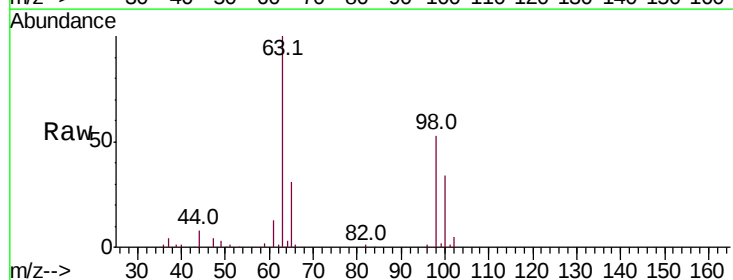
Tgt Ion: 101 Resp: 368

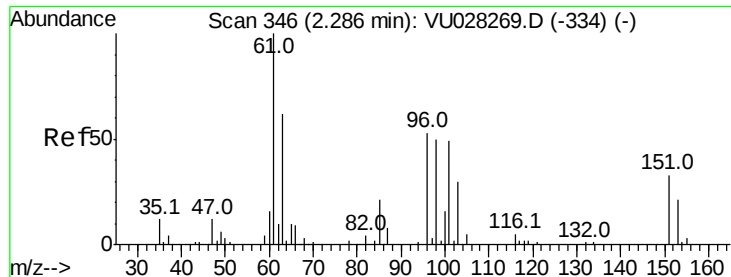
Ion Ratio Lower Upper

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# 343

Delta R.T. -0.01 min

Lab File: VU028277.D

Acq: 20 Nov 2018 14:47

Instrument :
MSVOA_U
ClientSampleId :

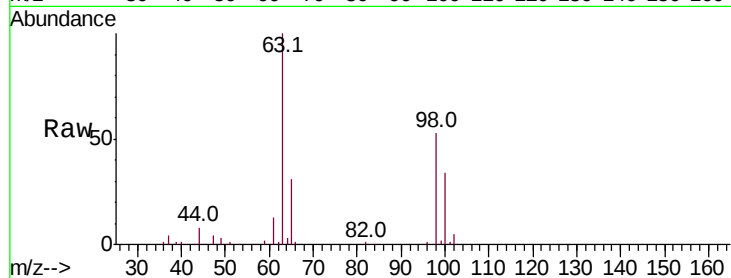
Tot Ion: 96 Resp: 500

Ion Ratio Lower Upper

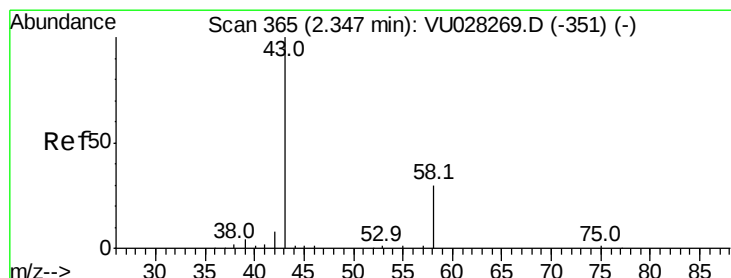
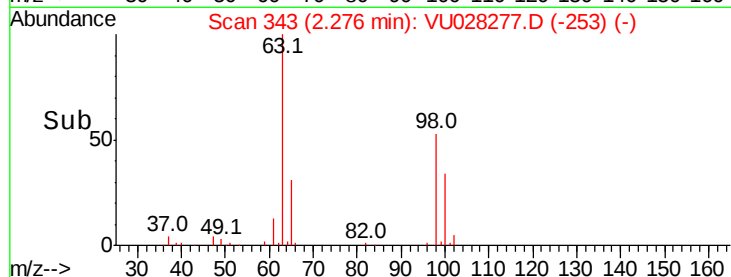
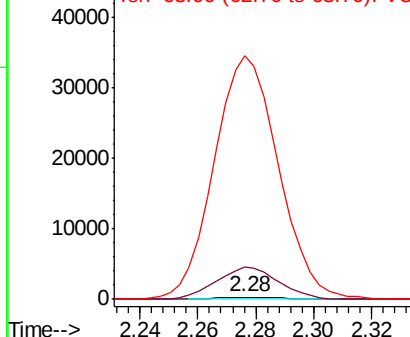
96 100

61 1486.6 145.5 270.1#

63 11341.6 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



#13

Acetone

Concen: 4.706 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.02 min

Lab File: VU028277.D

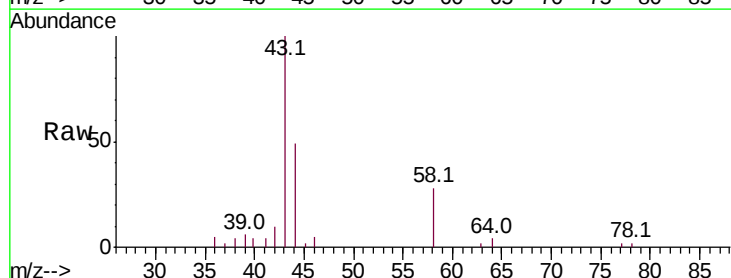
Acq: 20 Nov 2018 14:47

Tgt Ion: 43 Resp: 11045

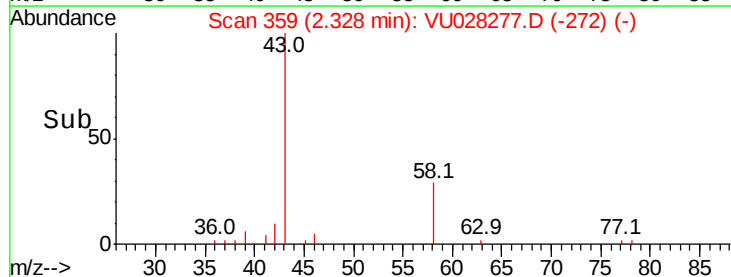
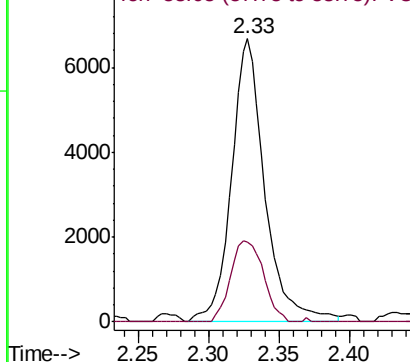
Ion Ratio Lower Upper

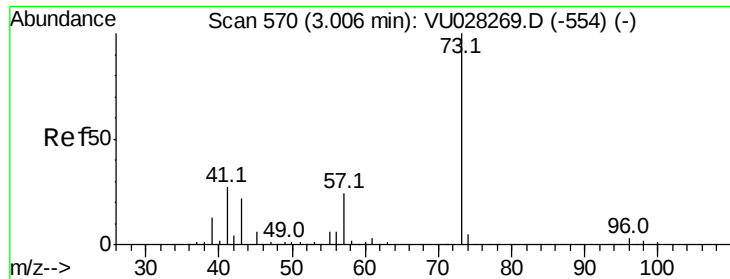
43 100

58 28.3 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

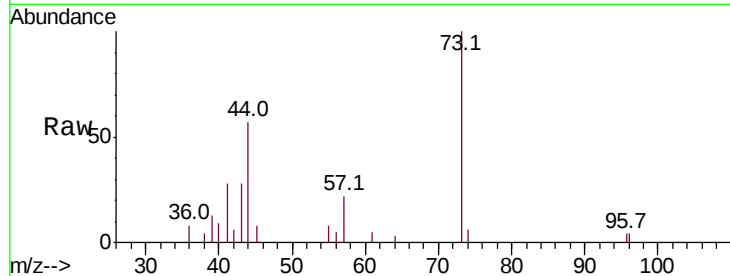




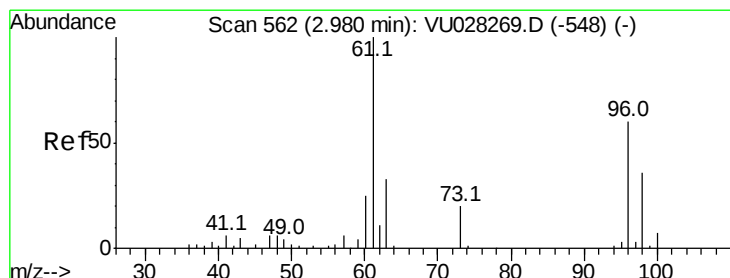
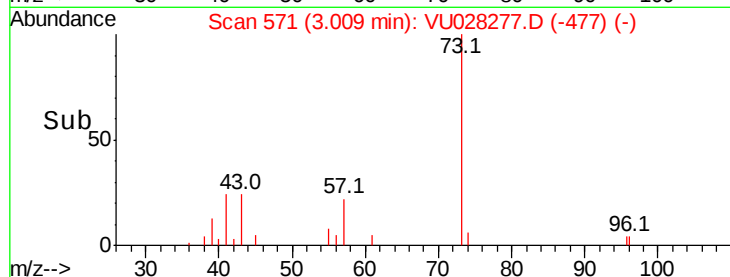
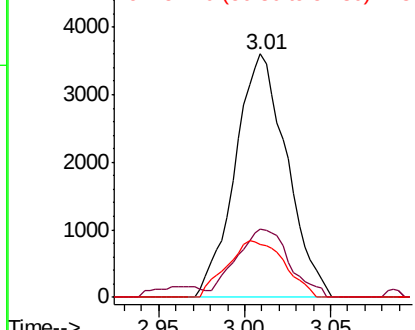
#17
Methvl tert-butvl Ether
Concen: 0.300 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 7513
Ion Ratio Lower Upper
73 100
43 28.9 18.8 28.2#
57 25.8 19.2 28.8

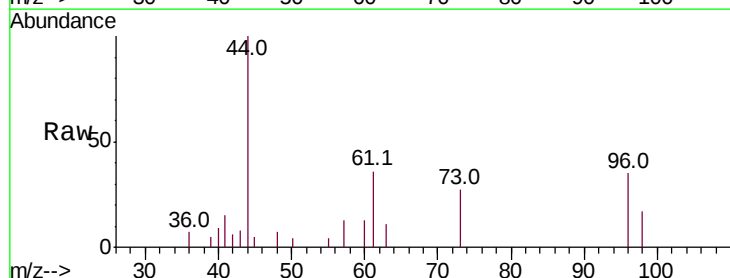


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

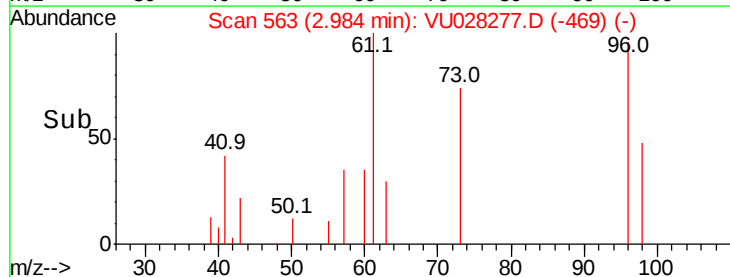
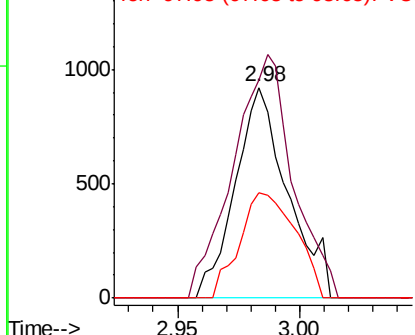


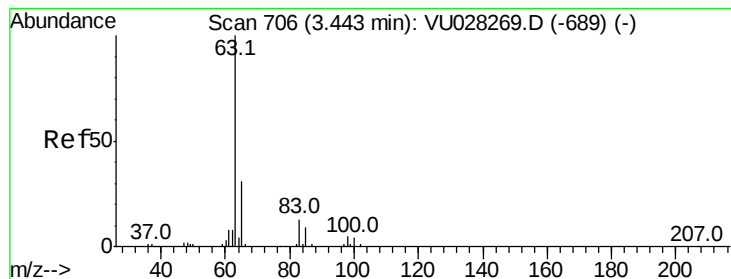
#18
trans-1,2-Dichloroethene
Concen: 0.154 ug/L
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

Tgt Ion: 96 Resp: 1368
Ion Ratio Lower Upper
96 100
61 103.7 122.2 227.0#
98 50.2 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: 0.061 ug/L

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU028277.D

Acq: 20 Nov 2018 14:47

Instrument :

MSVOA_U

ClientSampled :

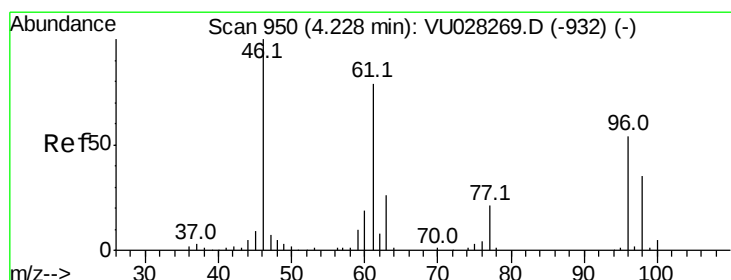
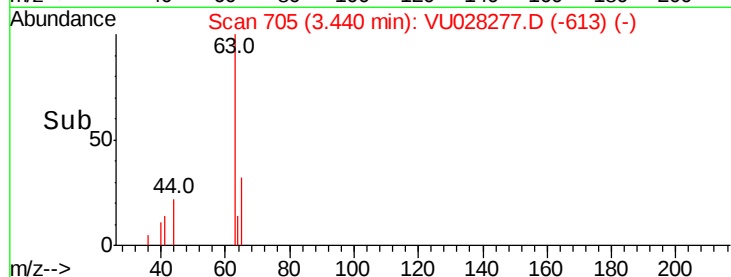
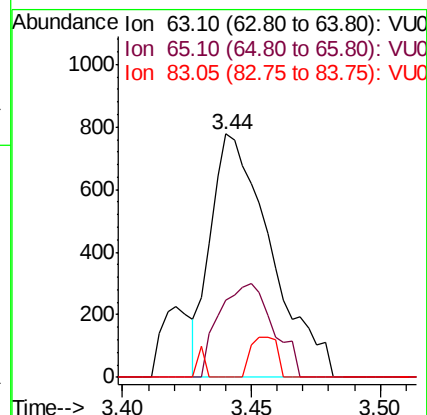
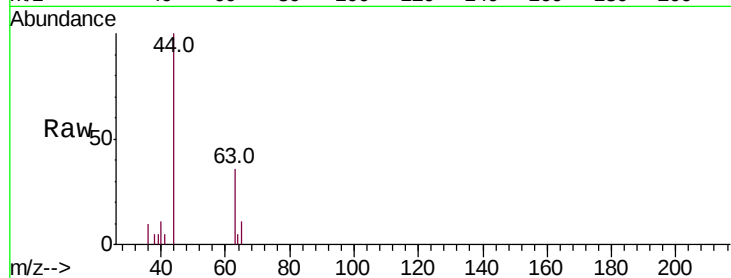
Tot Ion: 63 Resp: 1258

Ion Ratio Lower Upper

63 100

65 27.8 21.2 39.4

83 0.0 8.8 16.4#



#22

cis-1,2-Dichloroethene

Concen: 4.120 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028277.D

Acq: 20 Nov 2018 14:47

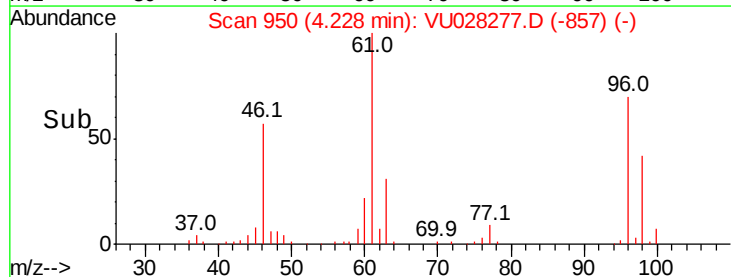
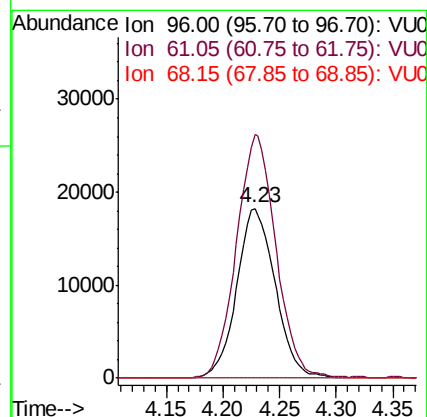
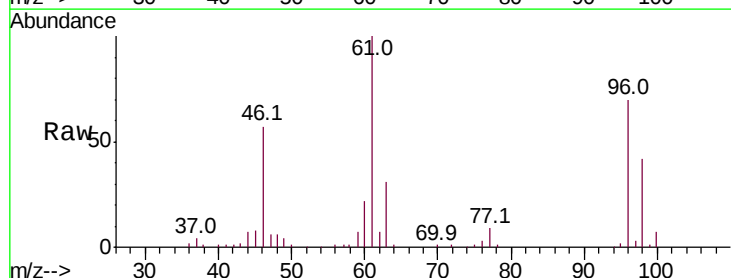
Tgt Ion: 96 Resp: 43284

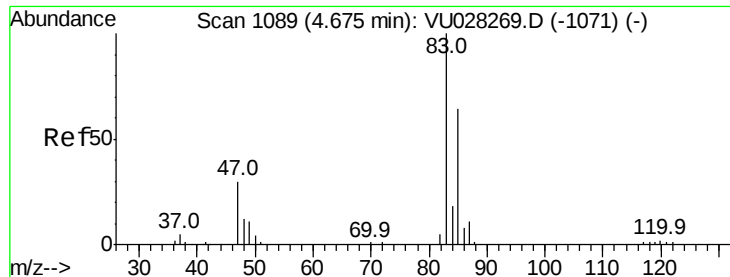
Ion Ratio Lower Upper

96 100

61 143.4 108.0 200.6

68 0.0 0.0 0.0

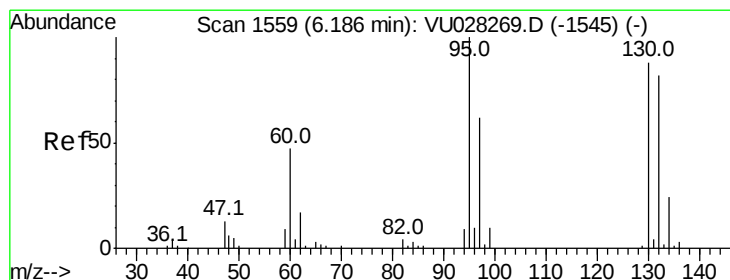
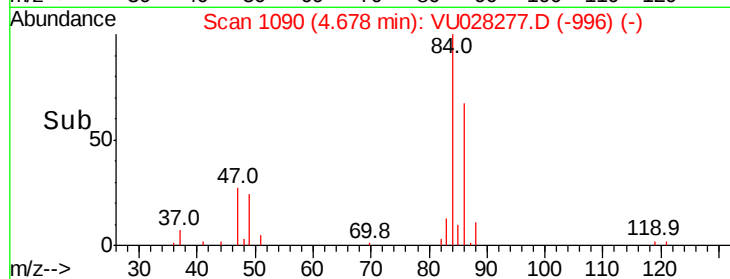
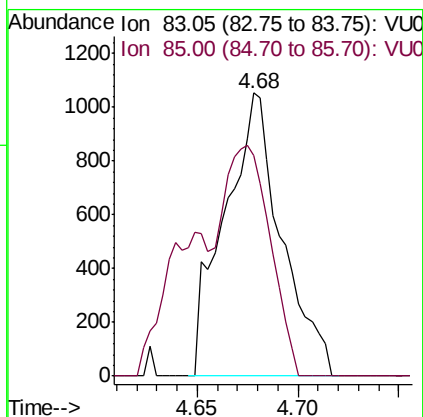
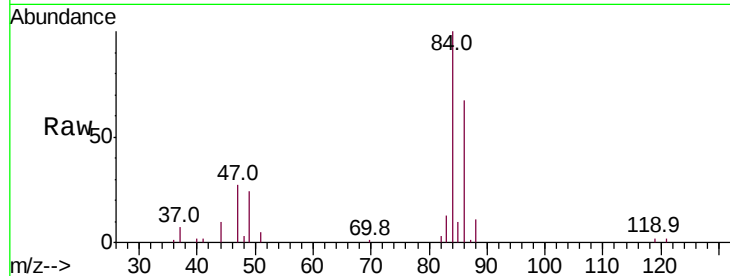




#25
Chloroform
Concen: 0.093 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

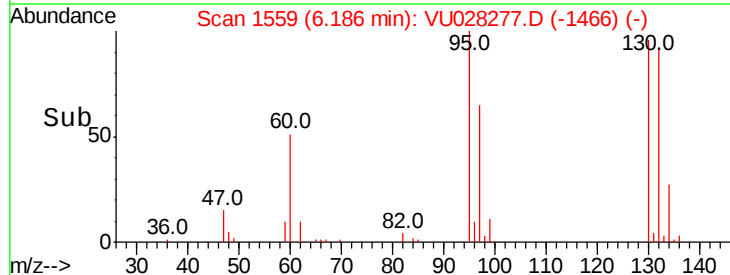
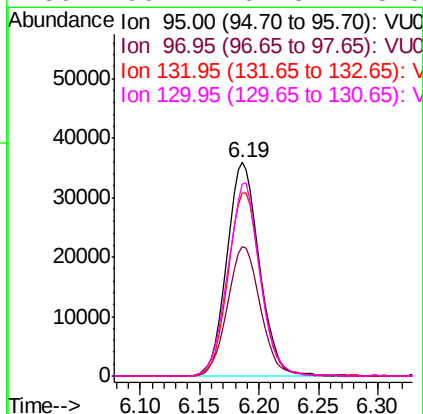
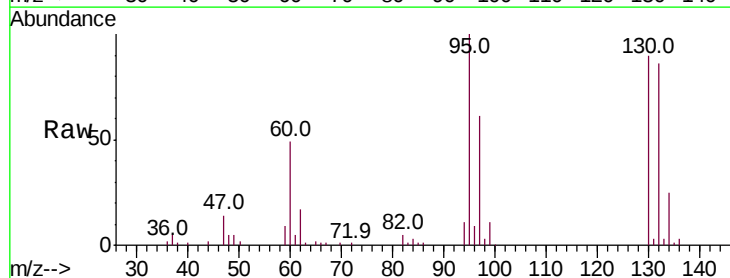
Instrument :
MSVOA_U
ClientSampled :

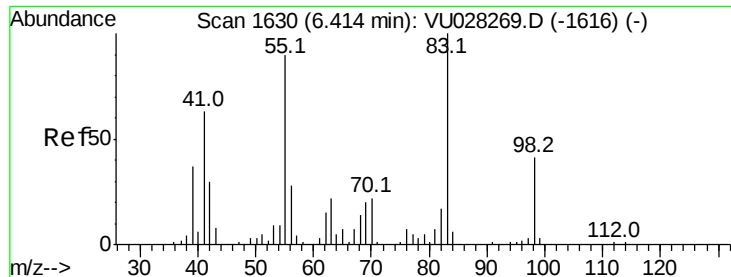
Tot Ion: 83 Resp: 2064
Ion Ratio Lower Upper
83 100
85 77.8 44.6 82.8



#34
Trichloroethene
Concen: 6.433 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

Tgt Ion: 95 Resp: 67861
Ion Ratio Lower Upper
95 100
97 60.5 46.5 86.3
132 85.8 58.9 109.3
130 90.2 61.3 113.9

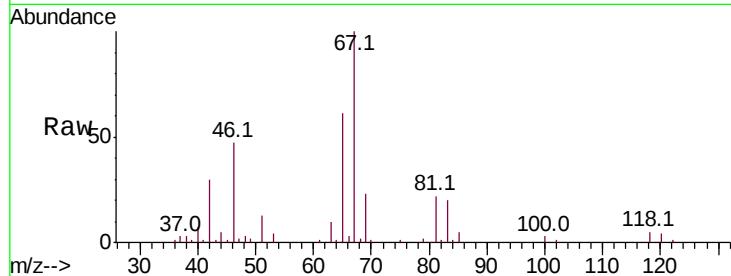




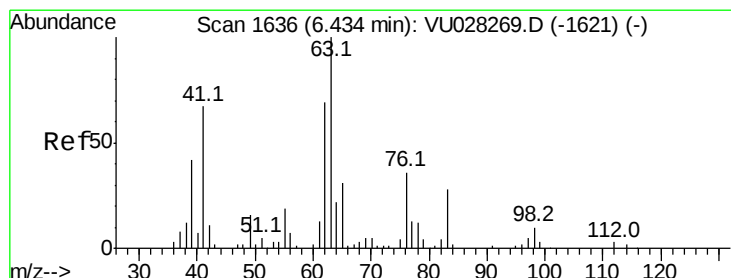
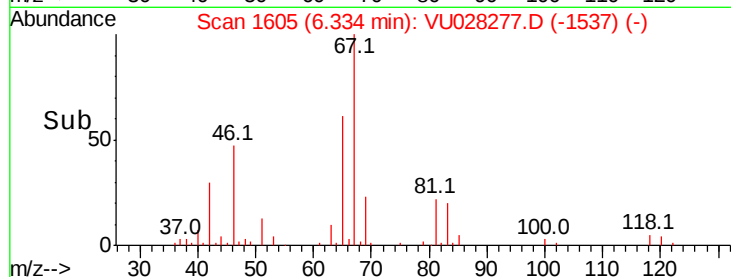
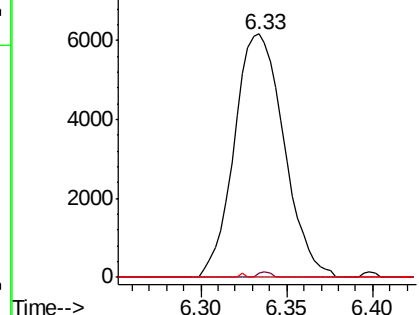
#35
Methvlcvclohexane
Concen: 0.746 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 12403
Ion Ratio Lower Upper
83 100
55 0.5 73.2 109.8#
98 0.5 33.4 50.2#

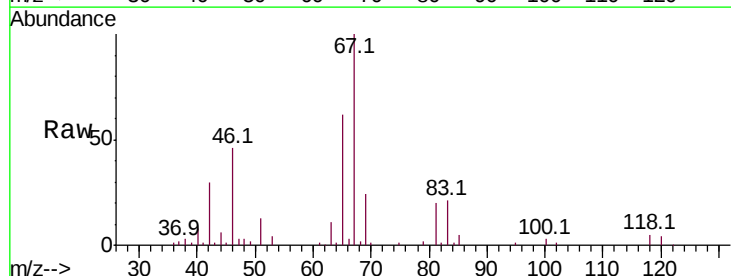


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

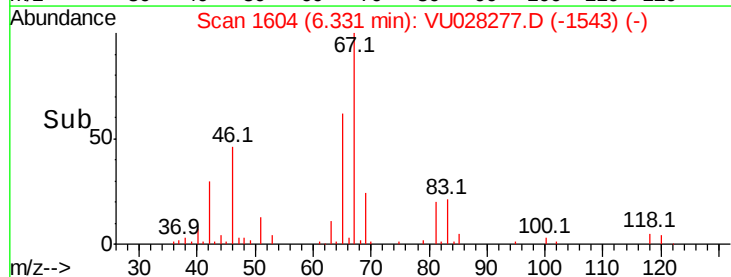
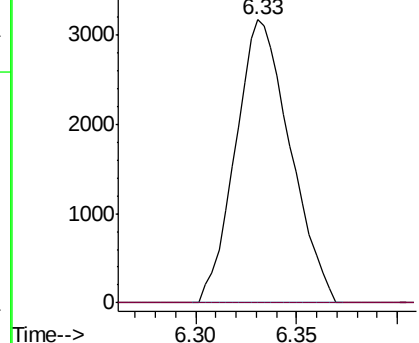


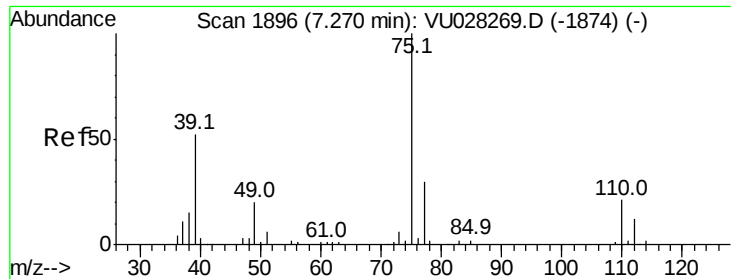
#37
1,2-Dichloropropane
Concen: 0.487 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

Tgt Ion: 63 Resp: 5984
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#



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



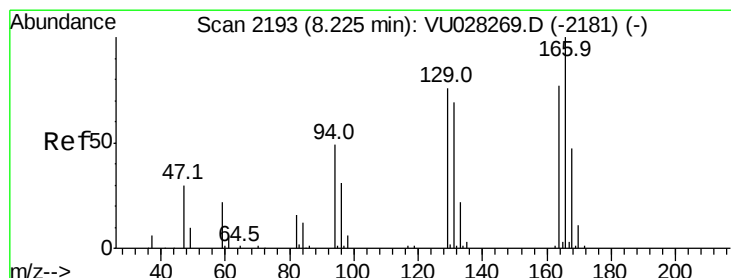
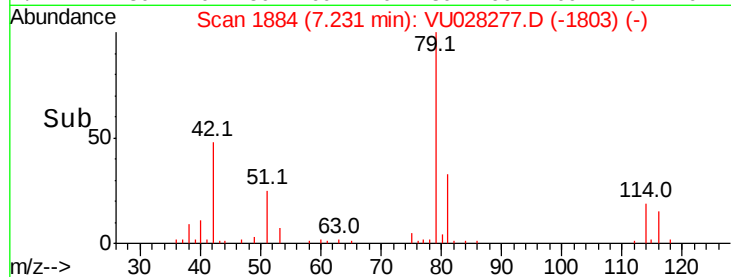
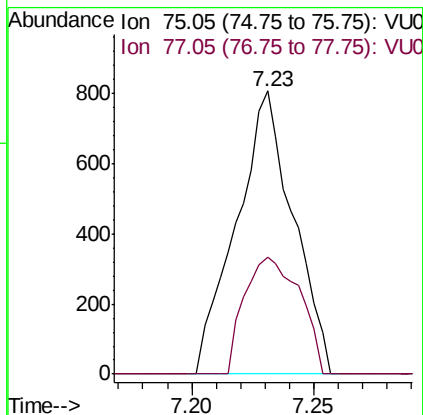
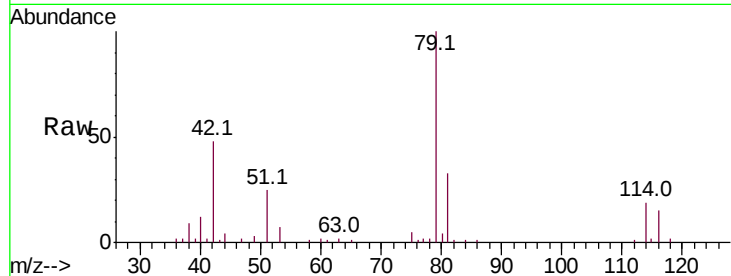


#39

cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028277.D
 Acq: 20 Nov 2018 14:47

Instrument :
 MSVOA_U
 ClientSampled :

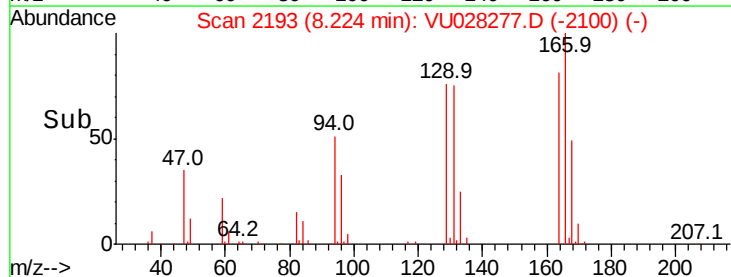
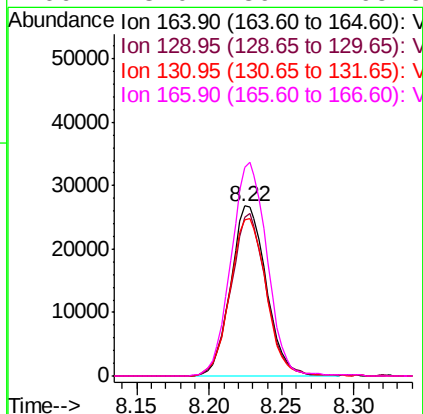
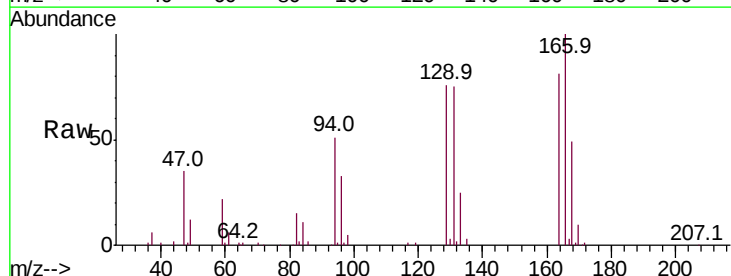
Tot Ion: 75 Resp: 1303
 Ion Ratio Lower Upper
 75 100
 77 41.4 21.7 40.3#

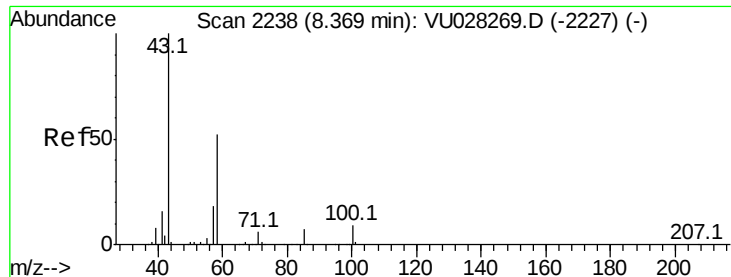


#47

Tetrachloroethene
 Concen: 6.228 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU028277.D
 Acq: 20 Nov 2018 14:47

Tgt Ion:164 Resp: 45606
 Ion Ratio Lower Upper
 164 100
 129 93.7 67.6 125.6
 131 92.0 66.3 123.1
 166 123.0 89.2 165.6

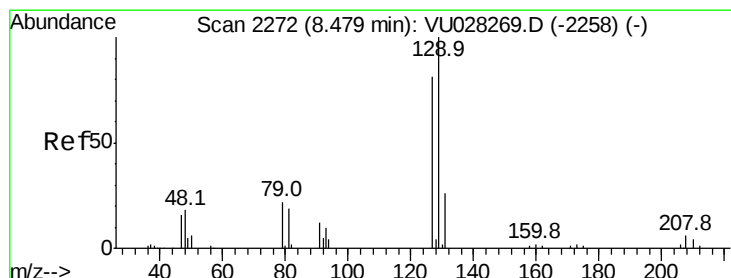
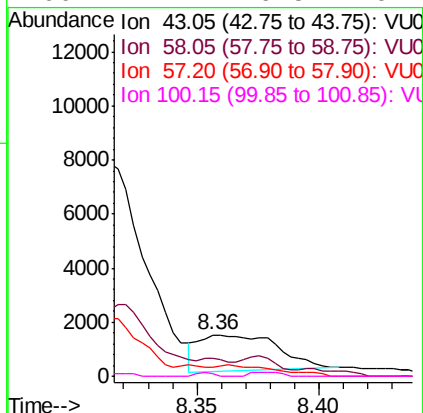
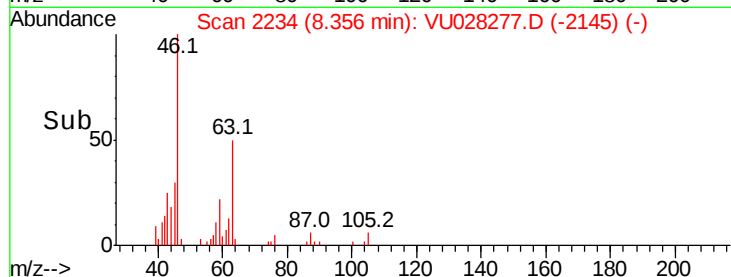
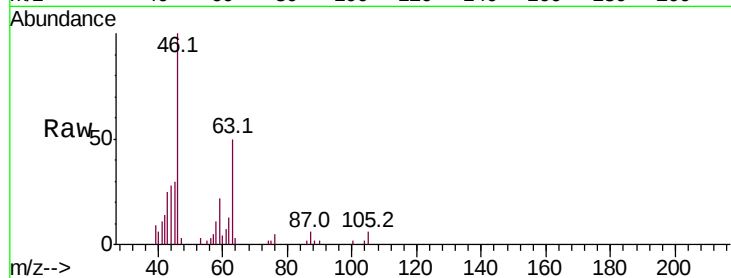




#48
2-Hexanone
Concen: 0.473 ug/L
RT: 8.36 min Scan# 2234
Delta R.T. -0.01 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

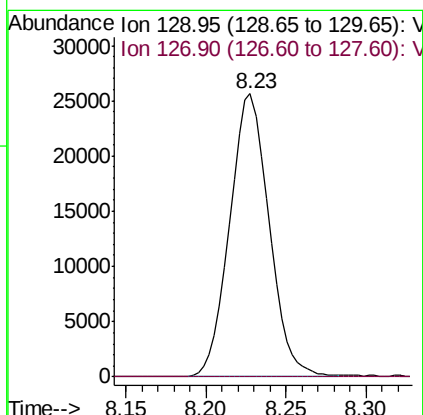
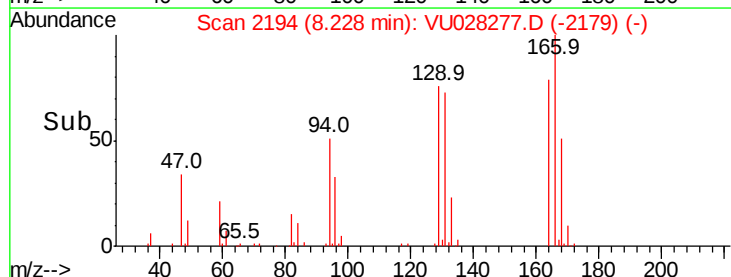
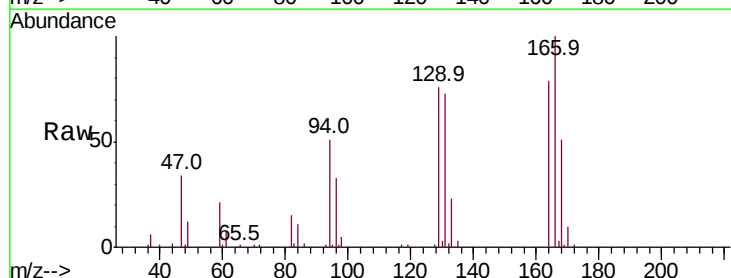
Instrument :
MSVOA_U
ClientSampleId :

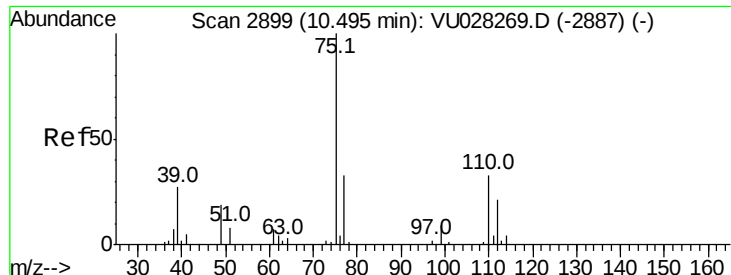
Tot Ion: 43 Resp: 2964
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
57 23.1 13.8 20.8#
100 2.2 6.5 9.7#



#49
Dibromochloromethane
Concen: 5.731 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028277.D
Acq: 20 Nov 2018 14:47

Tgt Ion: 129 Resp: 43099
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#





#59

1,2,3-Trichloropropane

Concen: 1.238 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028277.D

Acq: 20 Nov 2018 14:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8799

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

