

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112018\
 Data File : VU028290.D
 Acq On : 20 Nov 2018 20:09
 Operator : MD/SY
 Sample : J5997-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:11:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 07:07:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	117012	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	109127	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	44170	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	34552	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.68	69	36806	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.28	63	53129	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.19	46	175715	59.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.26%
24) Chloroform-d	4.65	84	81297	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.31	65	48837	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.34	84	150043	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.33	67	60260	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.57	98	117187	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.85	79	15752	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.31	63	118119	54.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	47719	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	42230	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

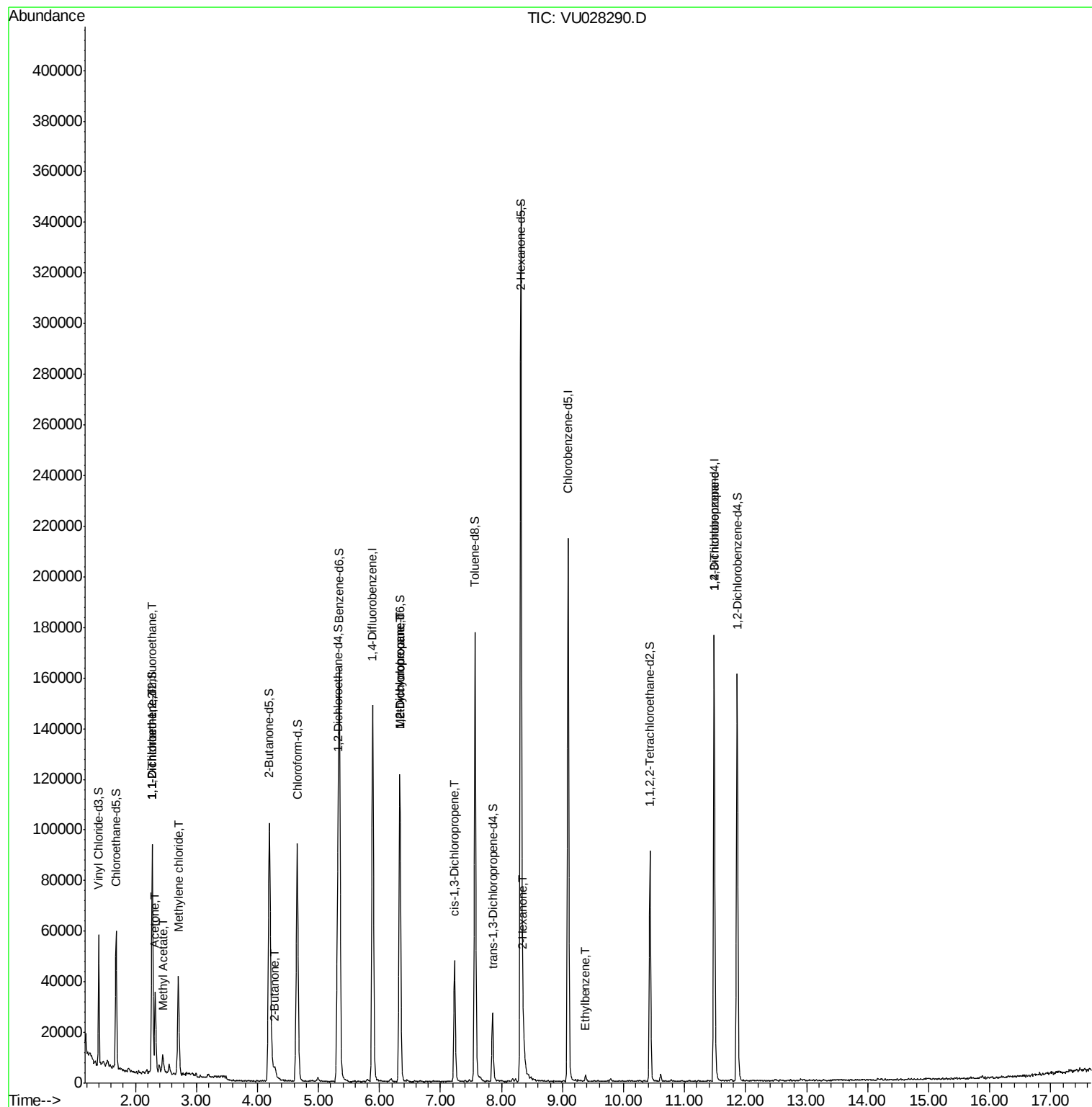
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	373	0.049	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	387	0.054	ug/L #	1
13) Acetone	2.32	43	33496	16.529	ug/L	98
15) Methyl Acetate	2.45	43	1696	0.316	ug/L #	64
16) Methylene chloride	2.70	84	15247	1.680	ug/L	98
21) 2-Butanone	4.29	43	6466	2.004	ug/L	92
35) Methylcyclohexane	6.33	83	13050	0.940	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	6127	0.596	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1250	0.096	ug/L #	57
48) 2-Hexanone	8.36	43	2967	0.567	ug/L #	76
52) Ethylbenzene	9.38	91	1822	0.046	ug/L	87
59) 1,2,3-Trichloropropane	11.48	75	6522	1.099	ug/L	94

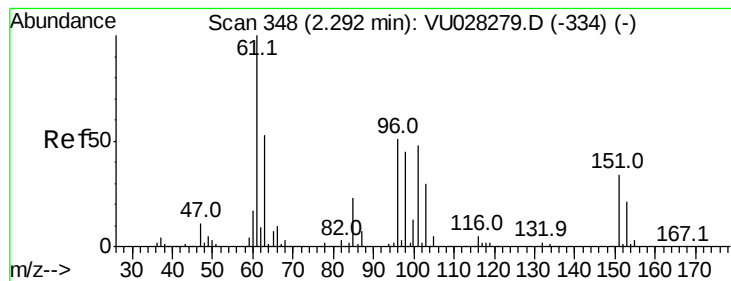
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.049 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028290.D

Acq: 20 Nov 2018 20:09

Instrument :

MSVOA_U

ClientSampleId :

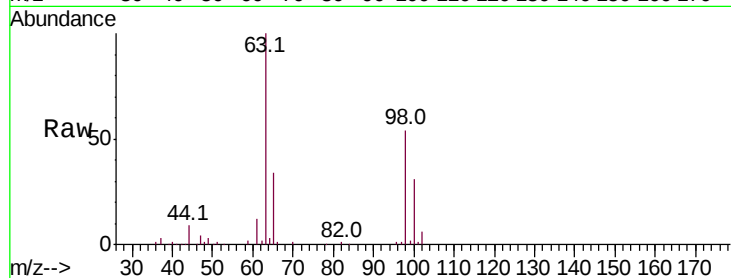
Tot Ion:101 Resp: 373

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

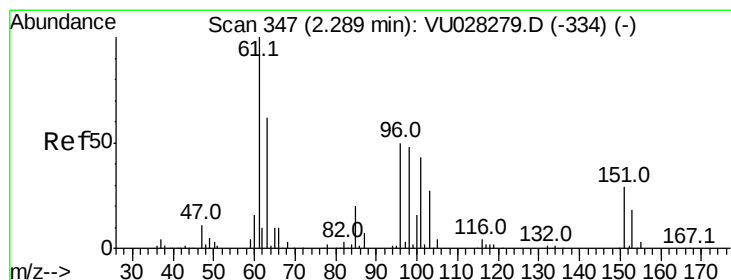
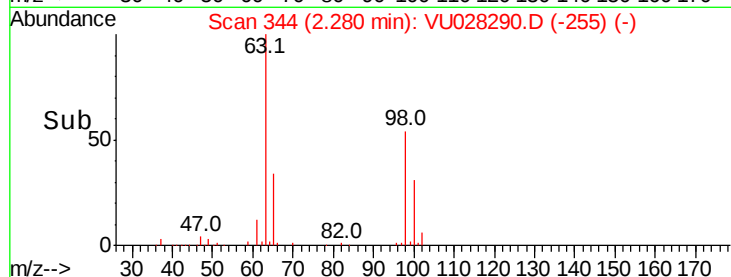
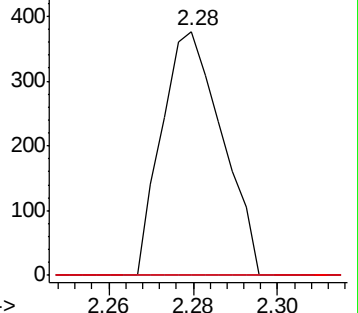
151 0.0 55.0 82.4#



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: 0.054 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028290.D

Acq: 20 Nov 2018 20:09

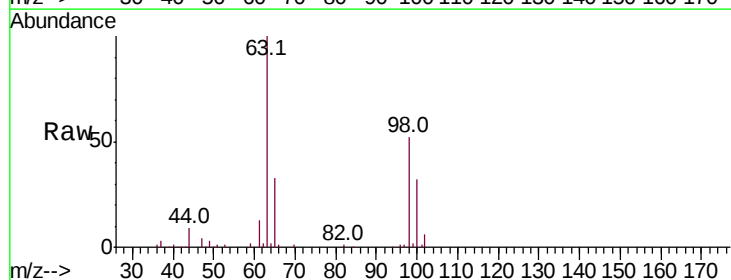
Tgt Ion: 96 Resp: 387

Ion Ratio Lower Upper

96 100

61 1406.8 145.5 270.1#

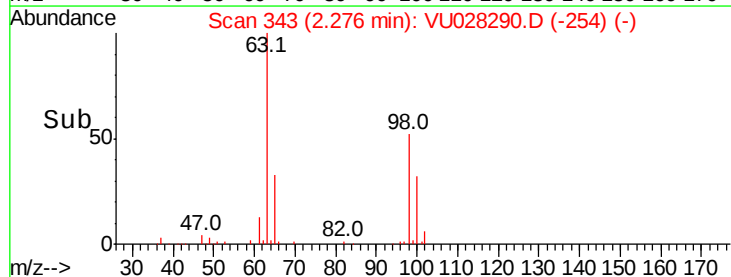
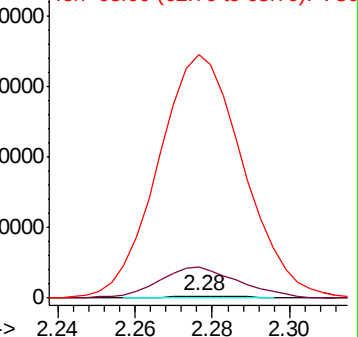
63 11130.3 98.6 183.2#

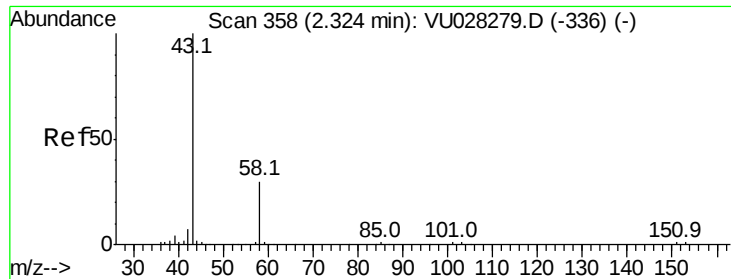


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 16.529 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028290.D

Acq: 20 Nov 2018 20:09

Instrument :

MSVOA_U

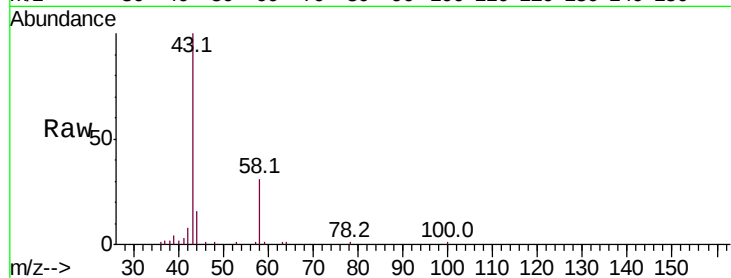
ClientSampled :

Tot Ion: 43 Resp: 33496

Ion Ratio Lower Upper

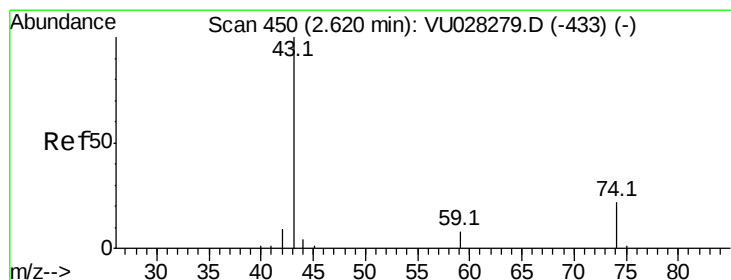
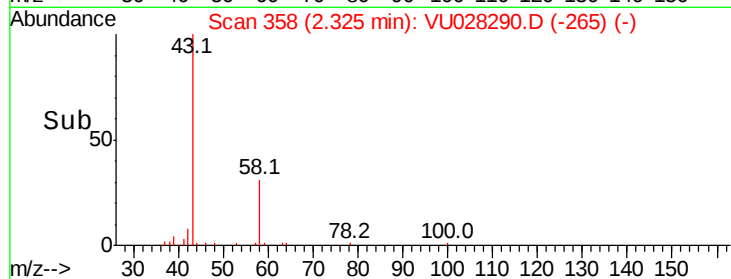
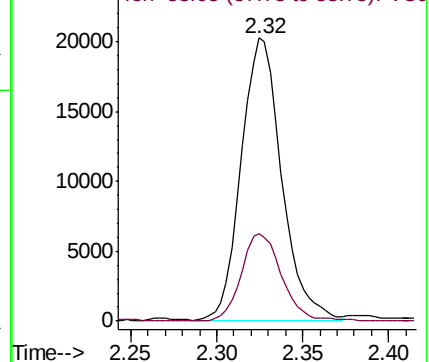
43 100

58 30.6 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 0.316 ug/L

RT: 2.45 min Scan# 397

Delta R.T. -0.17 min

Lab File: VU028290.D

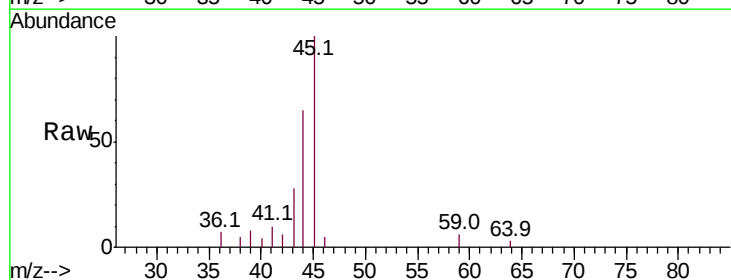
Acq: 20 Nov 2018 20:09

Tgt Ion: 43 Resp: 1696

Ion Ratio Lower Upper

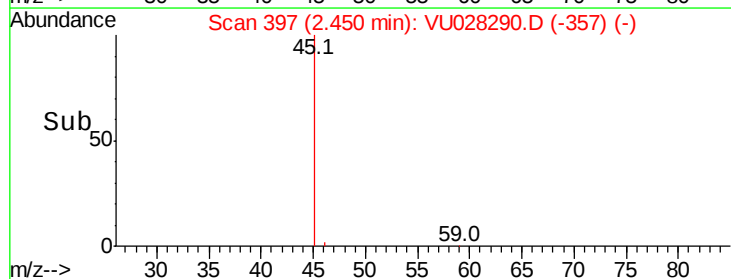
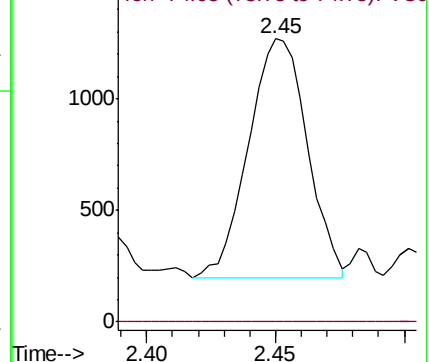
43 100

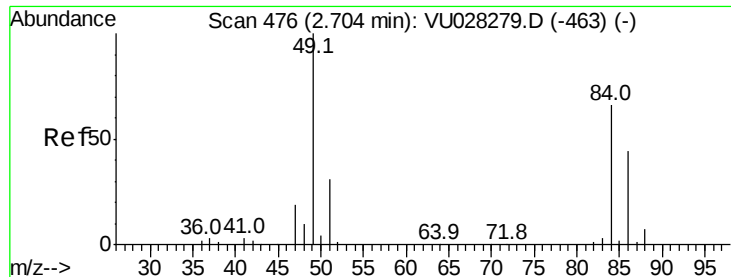
74 2.5 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

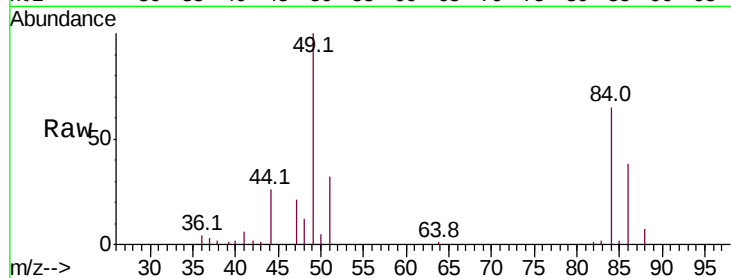




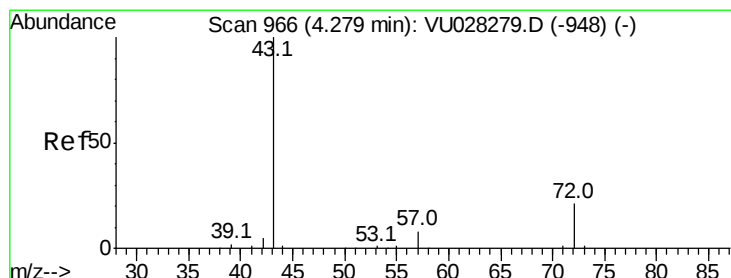
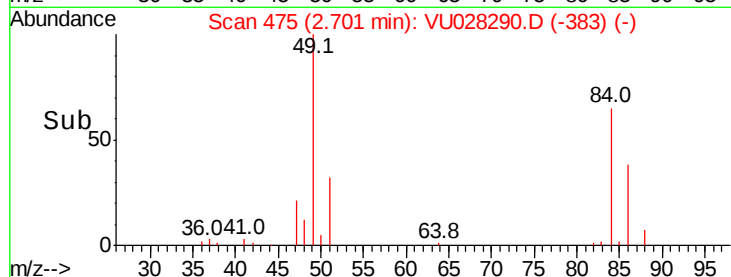
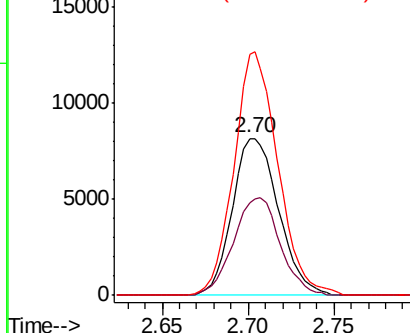
#16
Methvlene chloride
Concen: 1.680 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028290.D
Acq: 20 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 15247
Ion Ratio Lower Upper
84 100
86 59.0 45.3 84.1
49 153.6 107.9 200.5

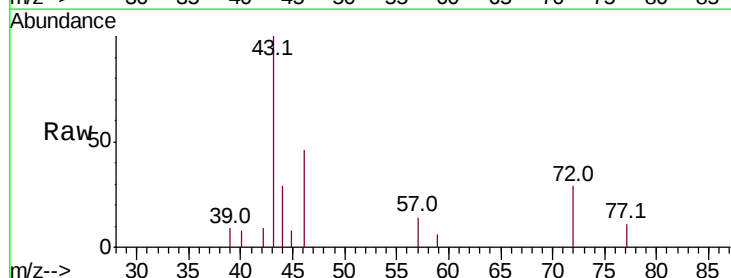


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

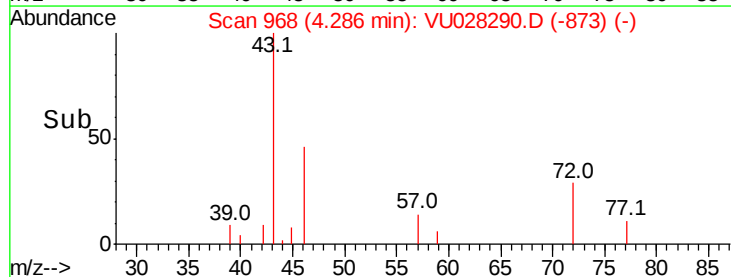
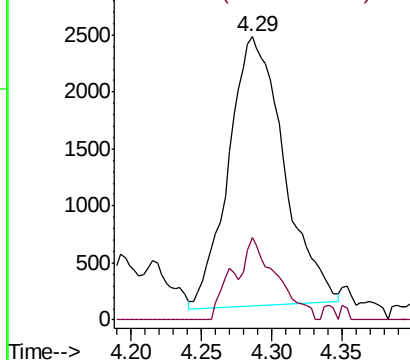


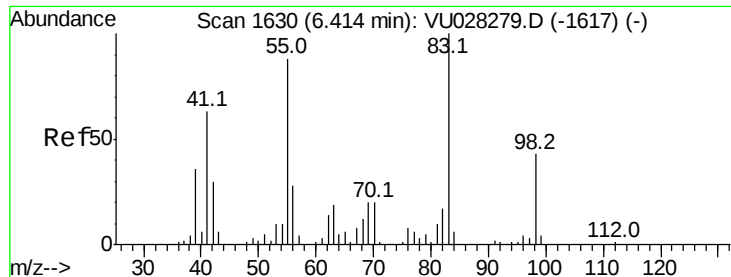
#21
2-Butanone
Concen: 2.004 ug/L
RT: 4.29 min Scan# 968
Delta R.T. 0.01 min
Lab File: VU028290.D
Acq: 20 Nov 2018 20:09

Tgt Ion: 43 Resp: 6466
Ion Ratio Lower Upper
43 100
72 17.8 10.7 32.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

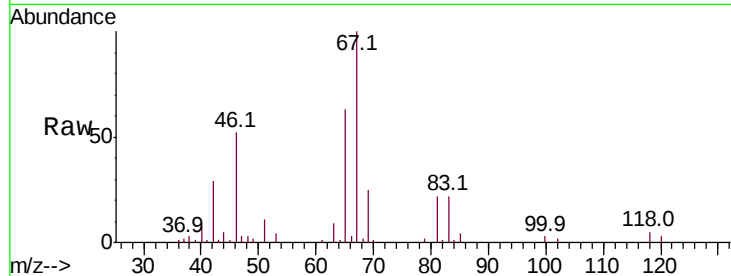




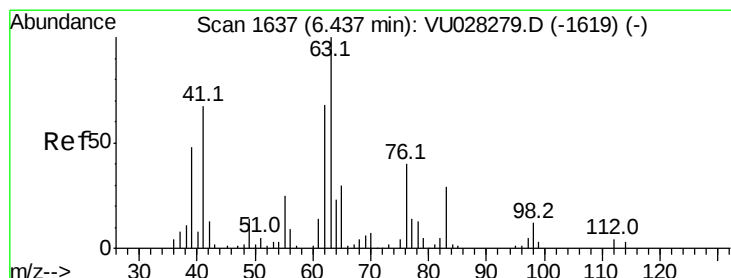
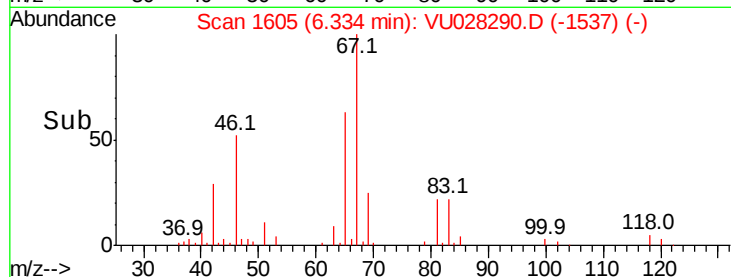
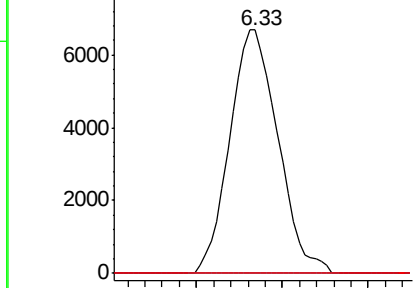
#35
Methvlcvclohexane
Concen: 0.940 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028290.D
Acq: 20 Nov 2018 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 13050
Ion Ratio Lower Upper
83 100
55 0.0 73.2 109.8#
98 0.0 33.4 50.2#

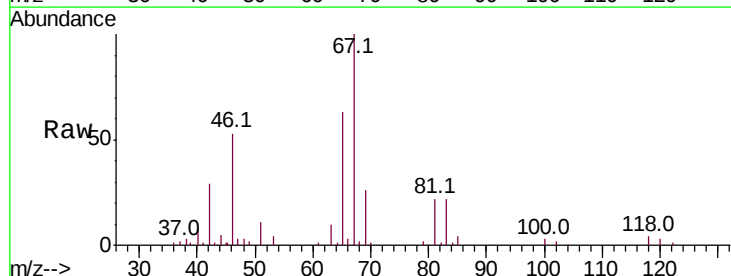


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

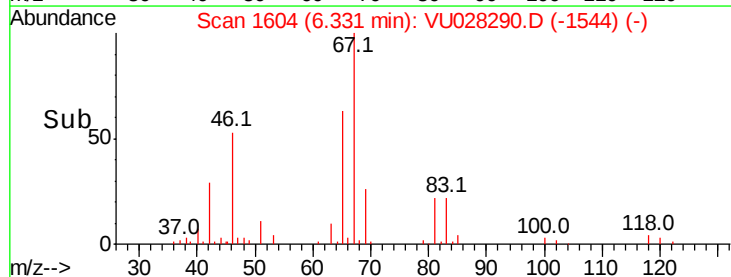
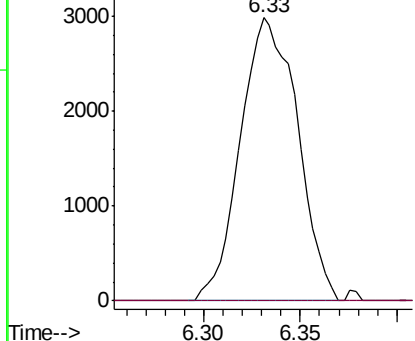


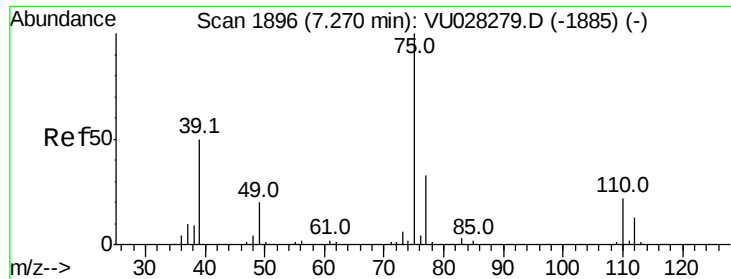
#37
1,2-Dichloropropane
Concen: 0.596 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.11 min
Lab File: VU028290.D
Acq: 20 Nov 2018 20:09

Tgt Ion: 63 Resp: 6127
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

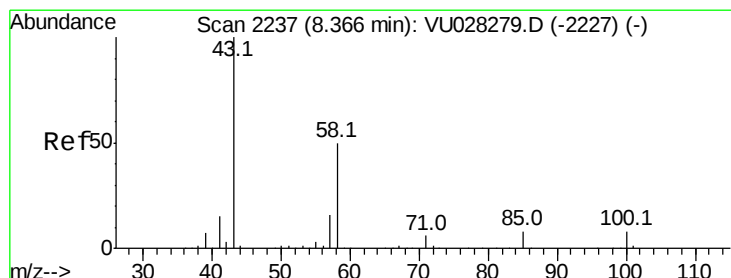
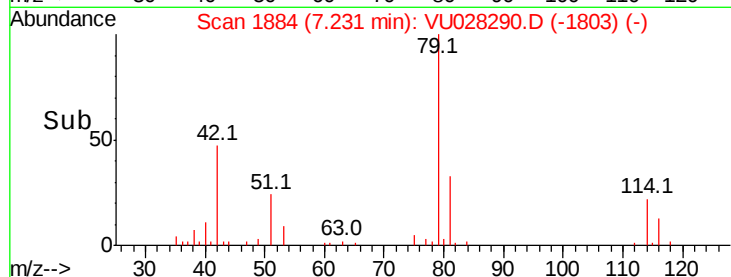
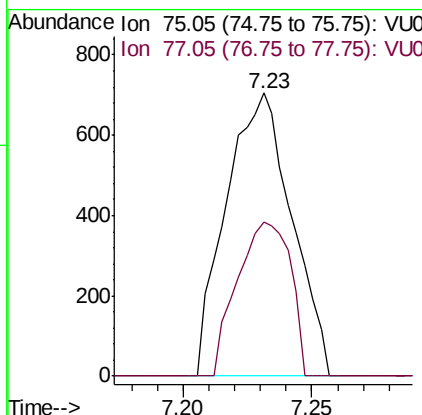
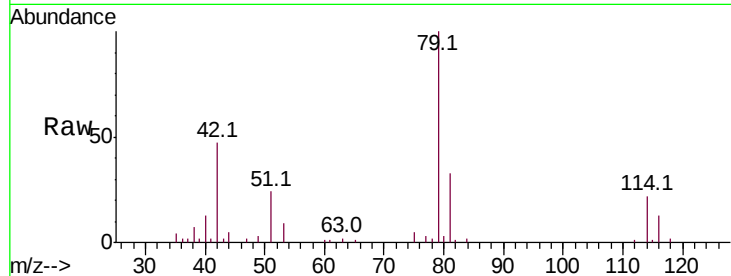




#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028290.D
 Acq: 20 Nov 2018 20:09

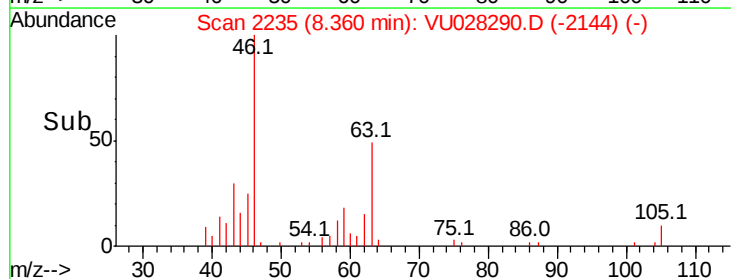
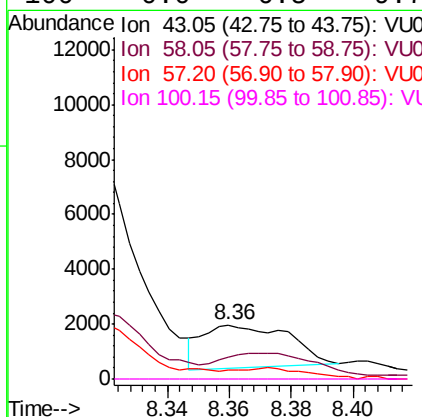
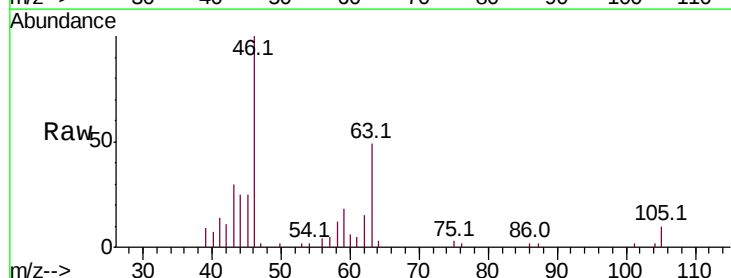
Instrument :
 MSVOA_U
 ClientSampleId :

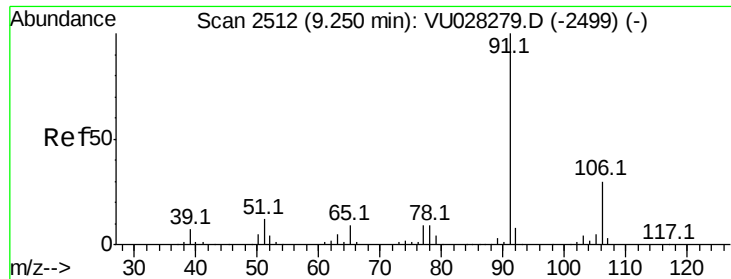
Tot Ion: 75 Resp: 1250
 Ion Ratio Lower Upper
 75 100
 77 54.6 21.7 40.3#



#48
 2-Hexanone
 Concen: 0.567 ug/L
 RT: 8.36 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: VU028290.D
 Acq: 20 Nov 2018 20:09

Tgt Ion: 43 Resp: 2967
 Ion Ratio Lower Upper
 43 100
 58 72.2 41.1 61.7#
 57 20.5 13.8 20.8
 100 0.0 6.5 9.7#





#52

Ethylbenzene

Concen: 0.046 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.13 min

Lab File: VU028290.D

Acq: 20 Nov 2018 20:09

Instrument :

MSVOA_U

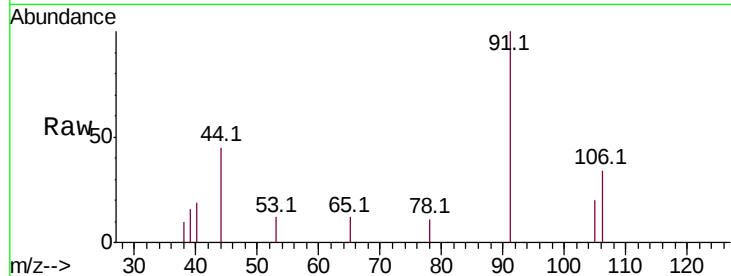
ClientSampleId :

Tot Ion: 91 Resp: 1822

Ion Ratio Lower Upper

91 100

106 34.4 19.3 35.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): VU0

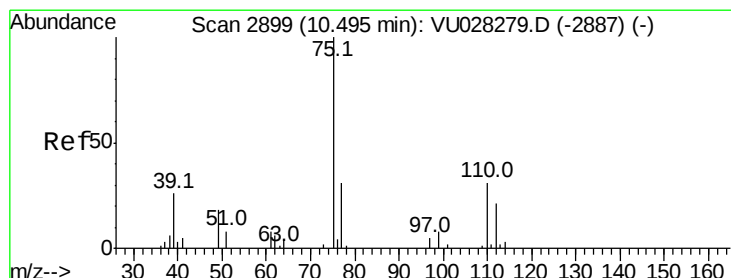
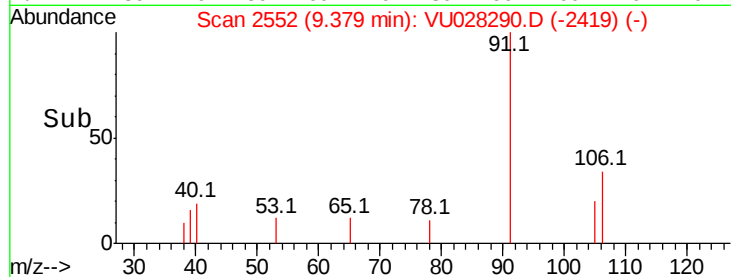
9.38

1000

500

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.099 ug/L

RT: 11.48 min Scan# 3205

Delta R.T. 0.98 min

Lab File: VU028290.D

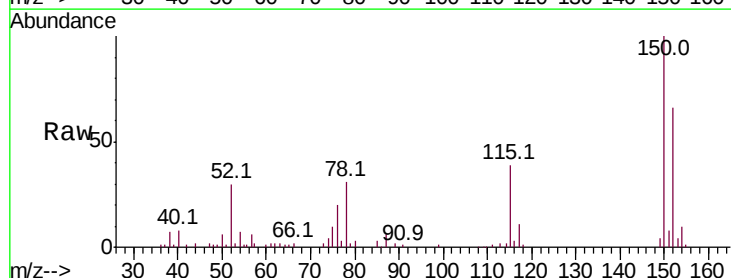
Acq: 20 Nov 2018 20:09

Tgt Ion: 75 Resp: 6522

Ion Ratio Lower Upper

75 100

77 35.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

4000

3000

2000

1000

0

Time-->

