

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112018\
 Data File : VU028300.D
 Acq On : 21 Nov 2018 00:06
 Operator : MD/SY
 Sample : J5997-09 5000X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 07:13:30 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	5.88	114	159065	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	151842	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69205	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42082	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.68	69	40632	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.27	63	60784	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	4.20	46	237583	59.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.62%
24) Chloroform-d	4.65	84	99683	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.31	65	58829	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.34	84	179292	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.33	67	73726	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.56	98	146266	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	7.85	79	25542	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.31	63	183526	60.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58872	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	58490	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

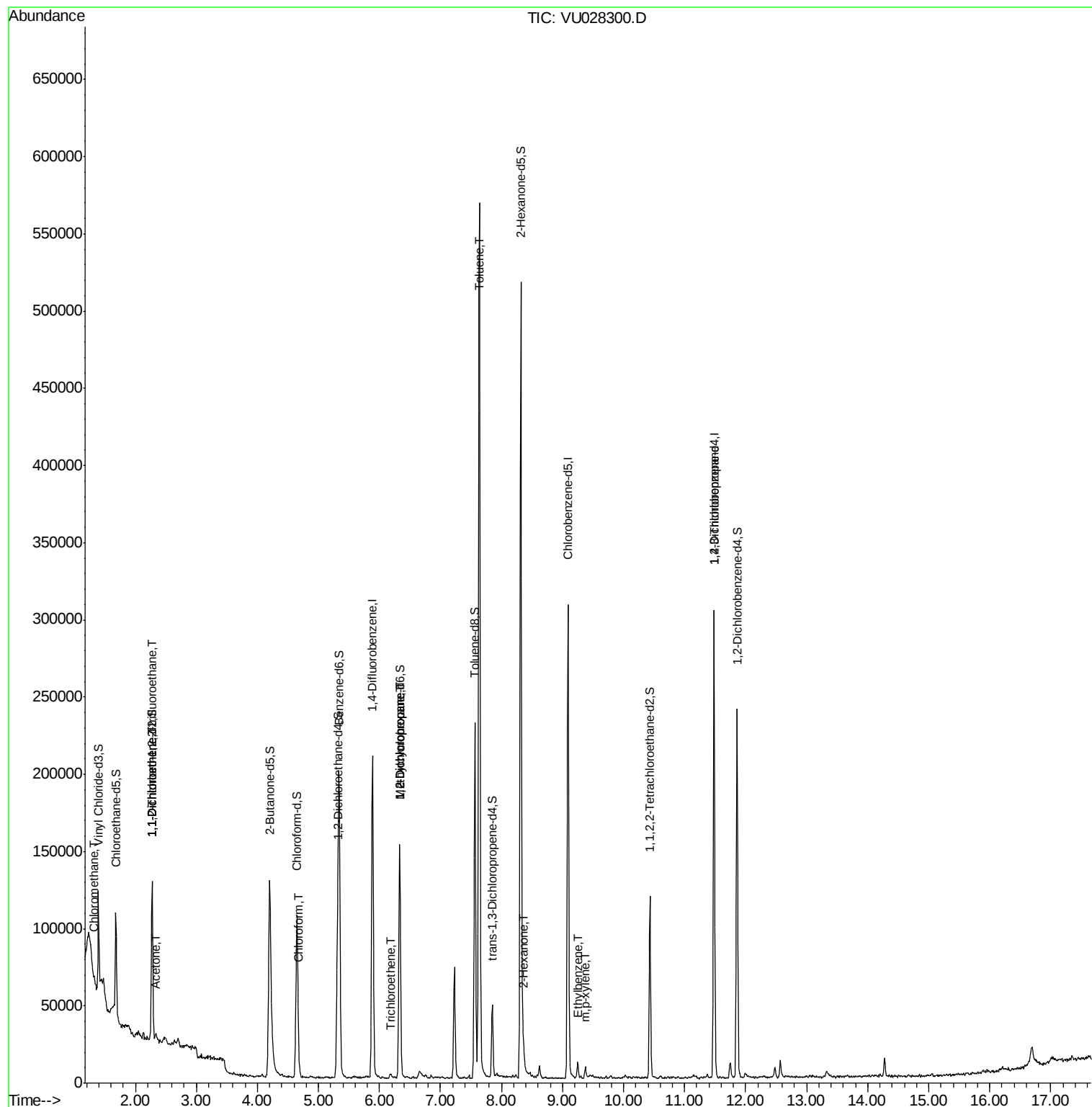
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	1701	0.100	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	437	0.042	ug/L #	24
12) 1,1-Dichloroethene	2.28	96	624	0.064	ug/L #	1
13) Acetone	2.34	43	7301	2.650	ug/L	92
25) Chloroform	4.68	83	4326	0.165	ug/L	76
34) Trichloroethene	6.18	95	748	0.061	ug/L #	72
35) Methylcyclohexane	6.33	83	15335	0.794	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	7684	0.537	ug/L #	93
42) Toluene	7.64	91	398279	7.843	ug/L	98
48) 2-Hexanone	8.36	43	1997	0.274	ug/L #	50
52) Ethylbenzene	9.25	91	7744	0.142	ug/L	98
53) m,p-xylene	9.38	106	1580	0.083	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	9880	1.196	ug/L	92

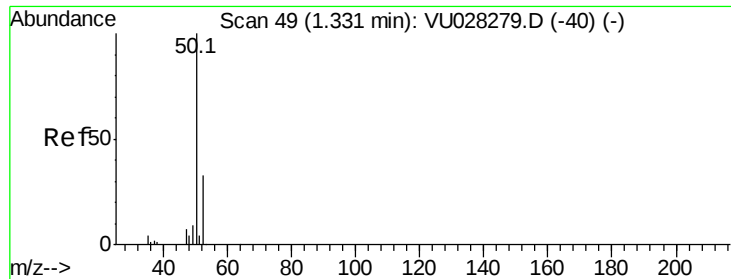
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.100 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.01 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

Instrument :

MSVOA_U

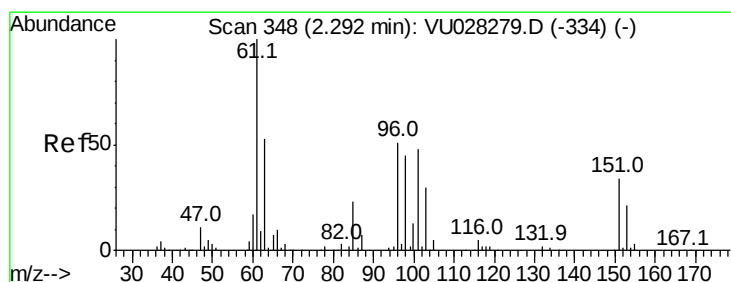
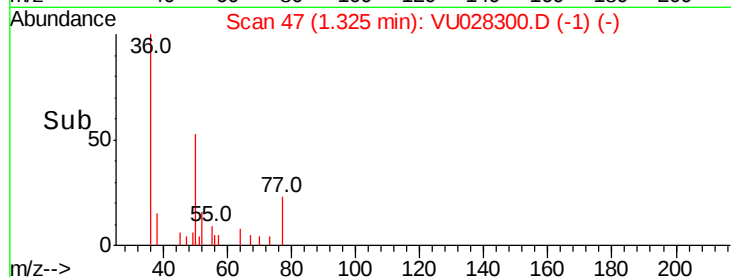
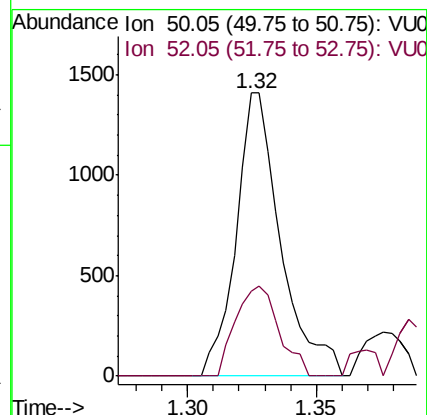
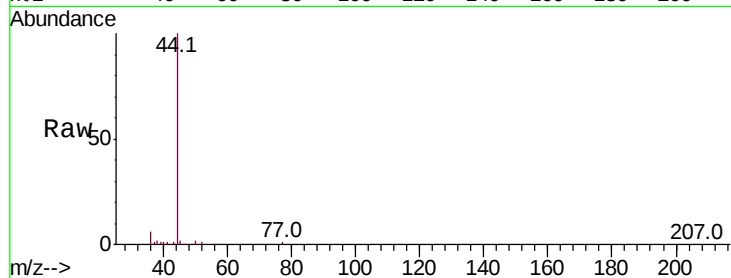
ClientSampleId :

Tot Ion: 50 Resp: 1701

Ion Ratio Lower Upper

50 100

52 29.8 22.8 42.4



#10

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

Concen: 0.042 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.03 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

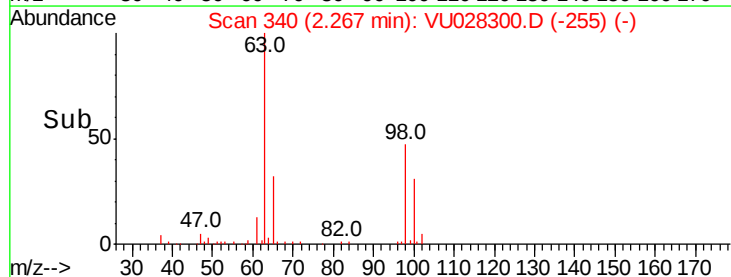
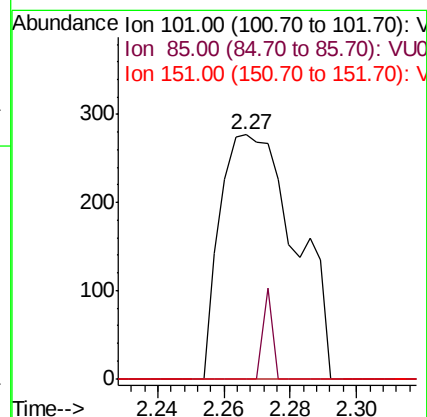
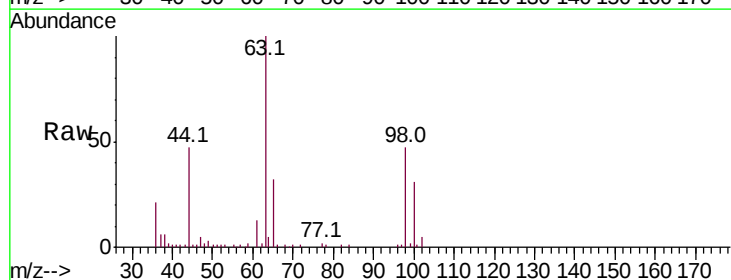
Tgt Ion: 101 Resp: 437

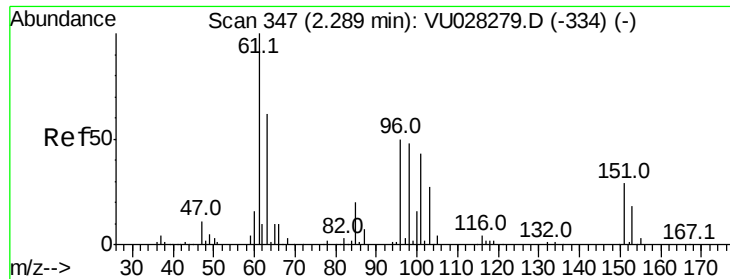
Ion Ratio Lower Upper

101 100

85 4.6 37.4 56.2#

151 0.0 55.0 82.4#





#12

1,1-Dichloroethene

Concen: 0.064 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

Instrument :

MSVOA_U

ClientSampleId :

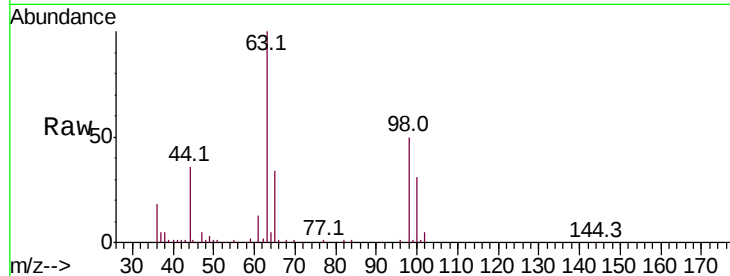
Tot Ion: 96 Resp: 624

Ion Ratio Lower Upper

96 100

61 1301.0 145.5 270.1#

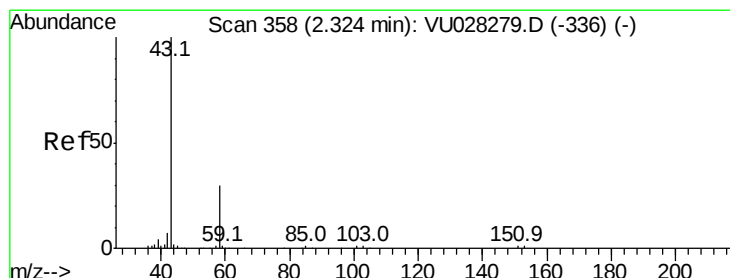
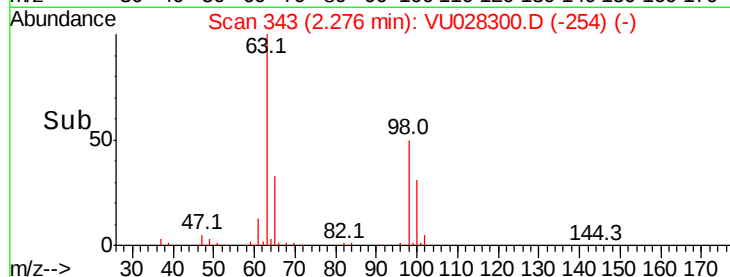
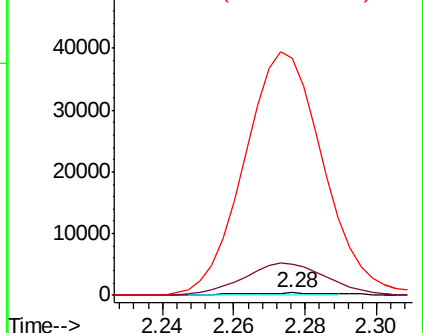
63 9929.5 98.6 183.2#



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: 2.650 ug/L

RT: 2.34 min Scan# 362

Delta R.T. 0.01 min

Lab File: VU028300.D

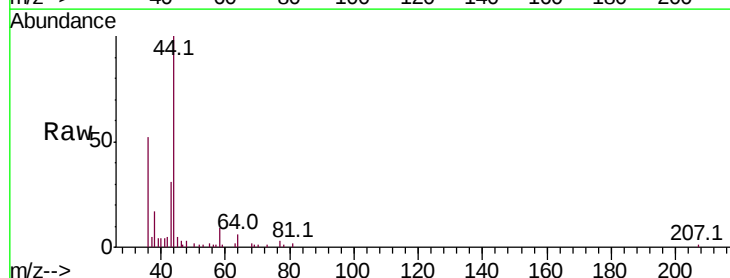
Acq: 21 Nov 2018 00:06

Tgt Ion: 43 Resp: 7301

Ion Ratio Lower Upper

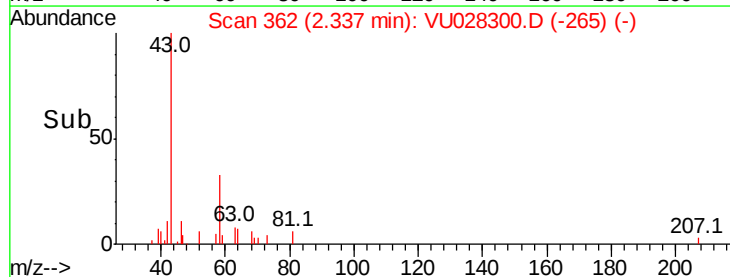
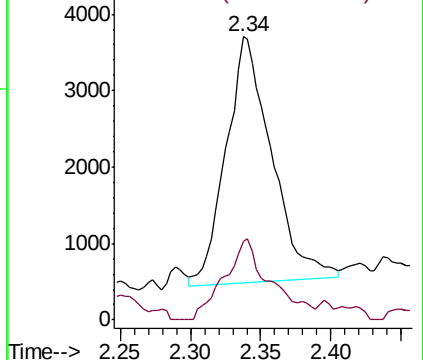
43 100

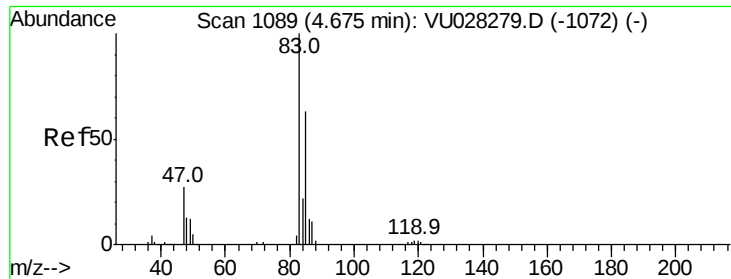
58 33.4 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#25

Chloroform

Concen: 0.165 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

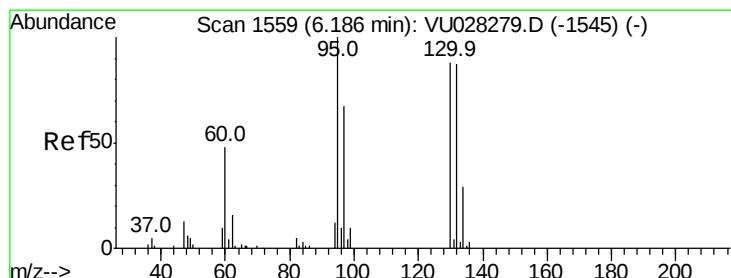
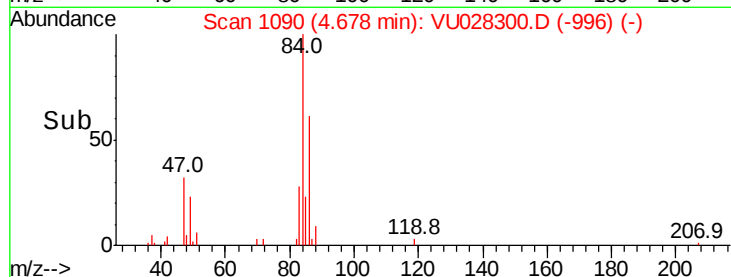
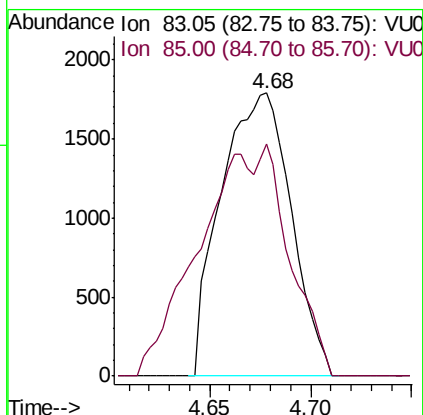
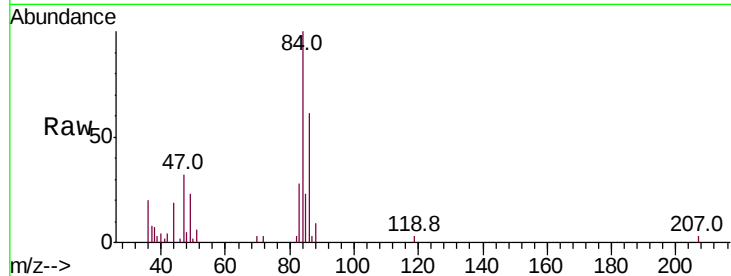
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 4326

Ion Ratio Lower Upper

83 100

85 82.1 44.6 82.8



#34

Trichloroethene

Concen: 0.061 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

Tgt Ion: 95 Resp: 748

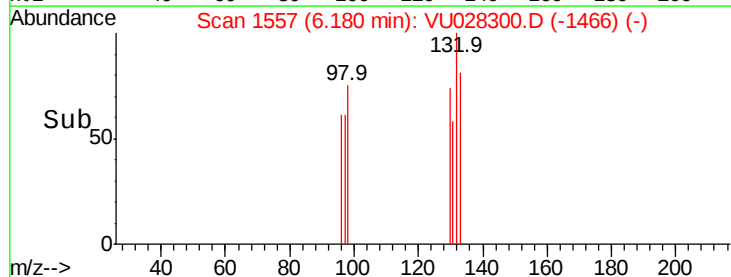
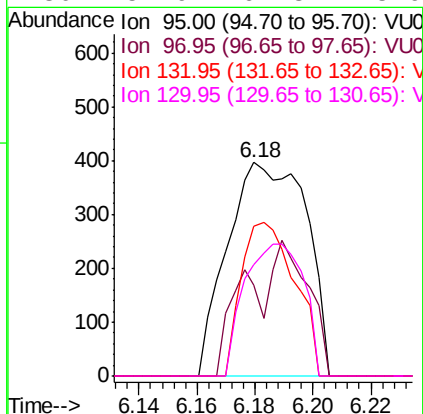
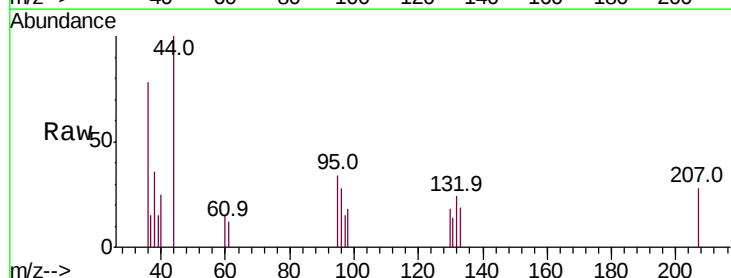
Ion Ratio Lower Upper

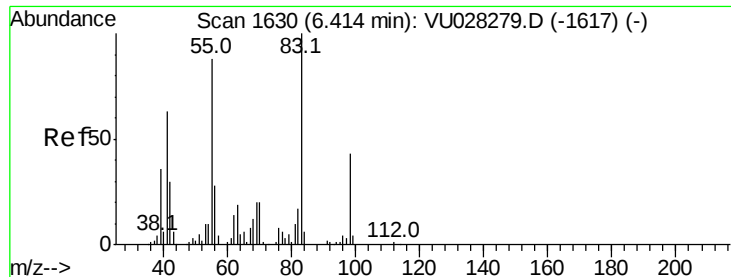
95 100

97 42.6 46.5 86.3#

132 70.3 58.9 109.3

130 51.9 61.3 113.9#

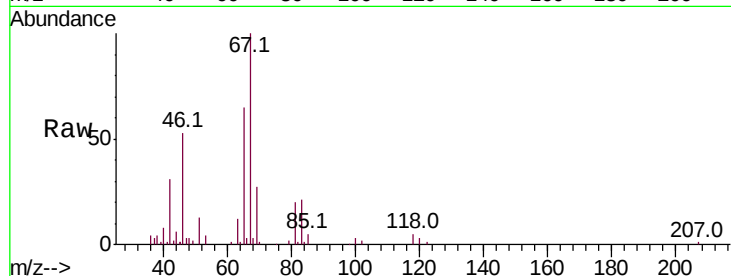




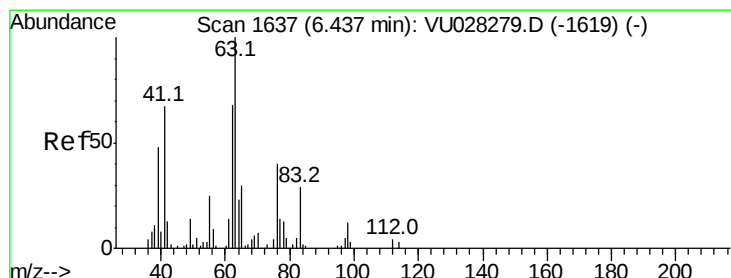
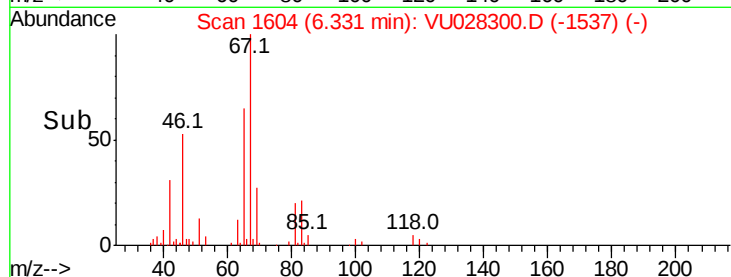
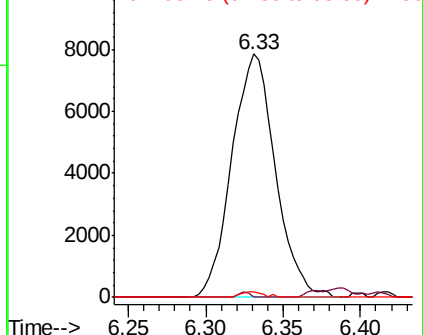
#35
Methvlcvclohexane
Concen: 0.794 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028300.D
Acq: 21 Nov 2018 00:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 15335
Ion Ratio Lower Upper
83 100
55 0.5 73.2 109.8#
98 1.2 33.4 50.2#

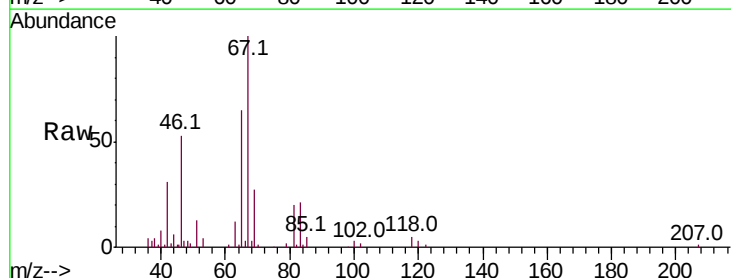


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

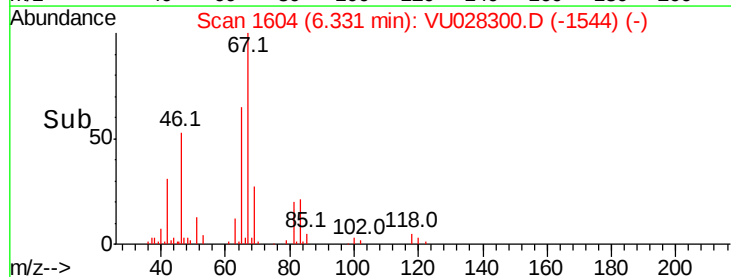
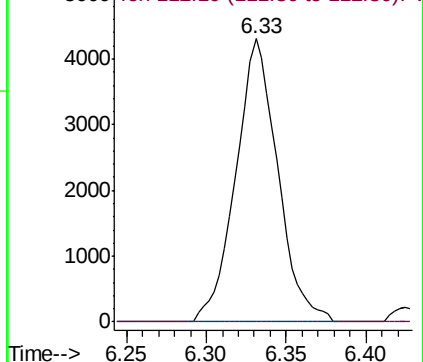


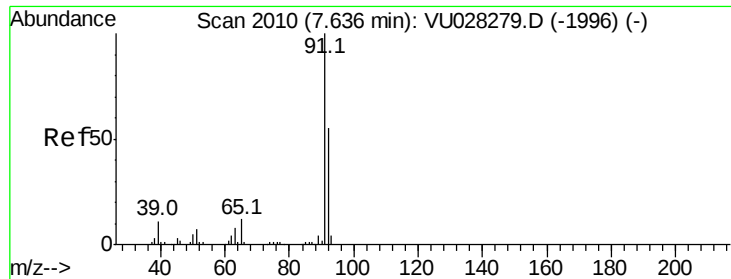
#37
1,2-Dichloropropane
Concen: 0.537 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.11 min
Lab File: VU028300.D
Acq: 21 Nov 2018 00:06

Tgt Ion: 63 Resp: 7684
Ion Ratio Lower Upper
63 100
112 0.3 2.2 3.2#



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





#42

Toluene

Concen: 7.843 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

Instrument :

MSVOA_U

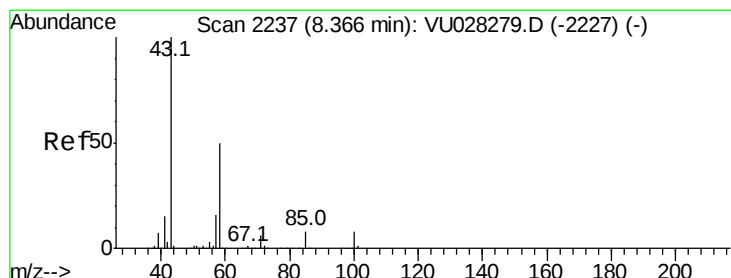
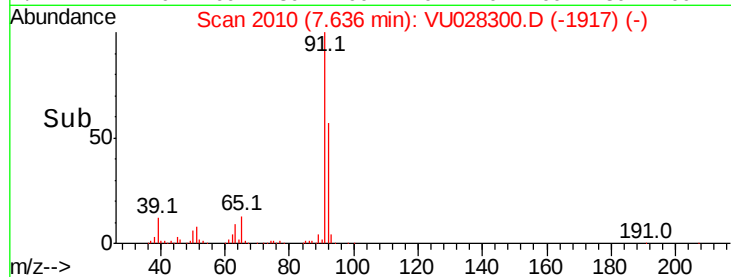
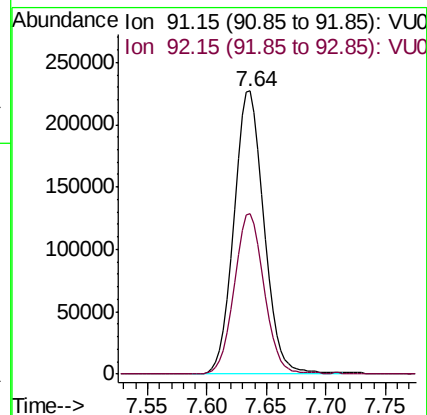
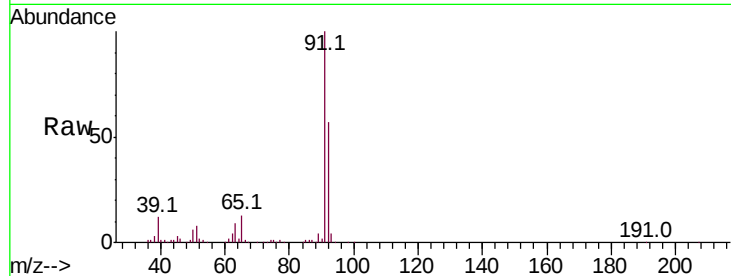
ClientSampled :

Tot Ion: 91 Resp: 398279

Ion Ratio Lower Upper

91 100

92 56.9 39.0 72.4



#48

2-Hexanone

Concen: 0.274 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

Tgt Ion: 43 Resp: 1997

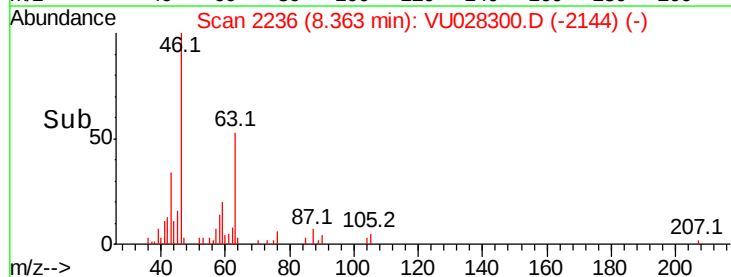
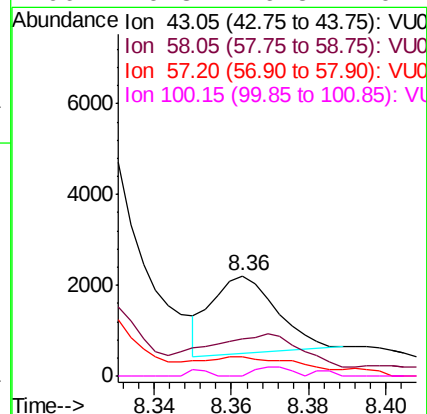
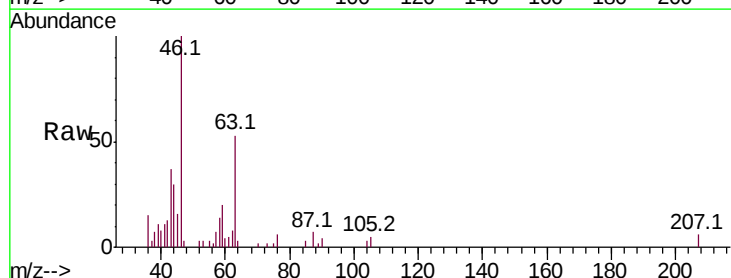
Ion Ratio Lower Upper

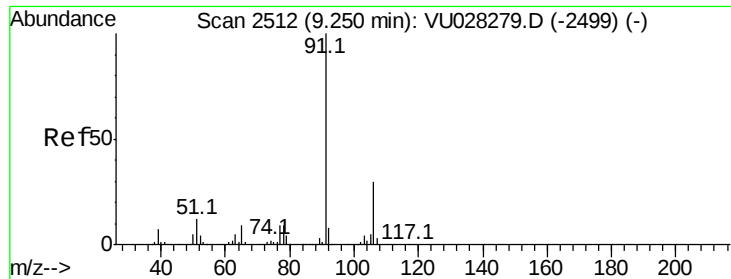
43 100

58 88.5 41.1 61.7#

57 43.4 13.8 20.8#

100 6.3 6.5 9.7#





#52

Ethylbenzene

Concen: 0.142 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

Instrument :

MSVOA_U

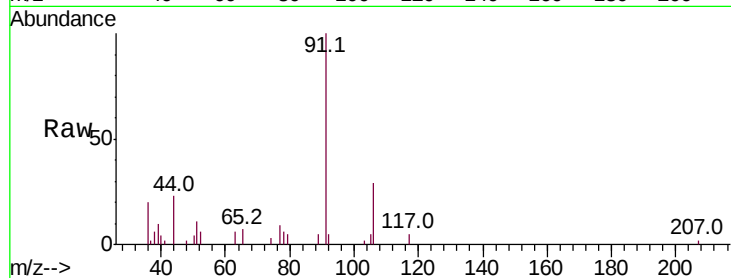
ClientSampleId :

Tot Ion: 91 Resp: 7744

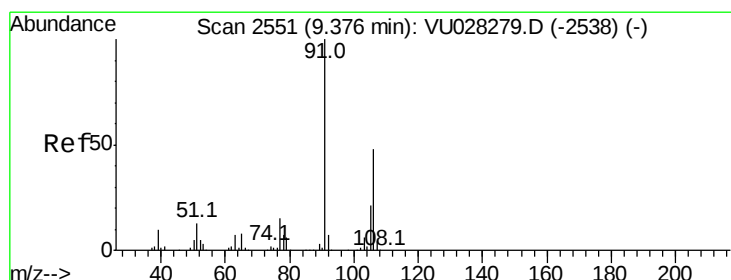
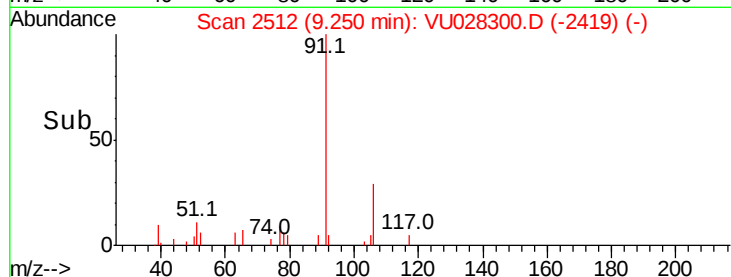
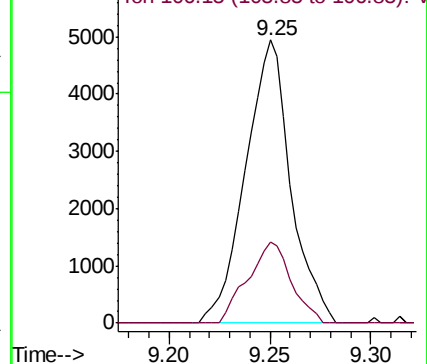
Ion Ratio Lower Upper

91 100

106 28.5 19.3 35.9



Abundance Ion 91.15 (90.85 to 91.85): VU028279.D (-2499) (-)



#53

m,p-xylene

Concen: 0.083 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028300.D

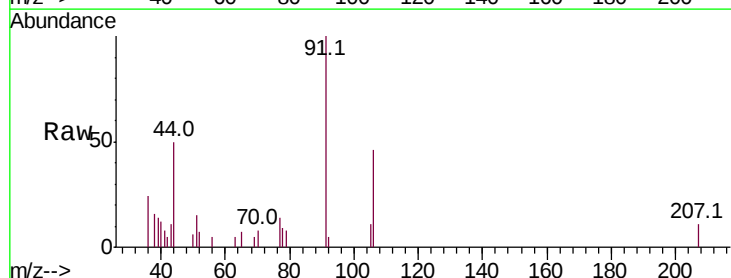
Acq: 21 Nov 2018 00:06

Tgt Ion: 106 Resp: 1580

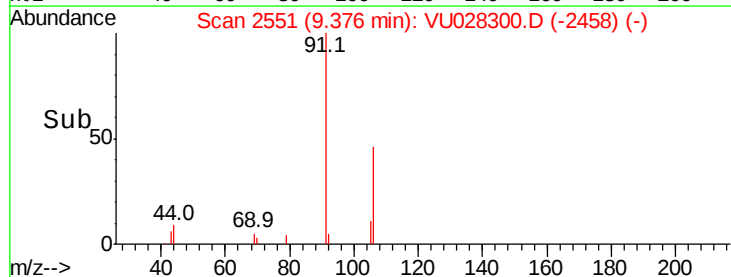
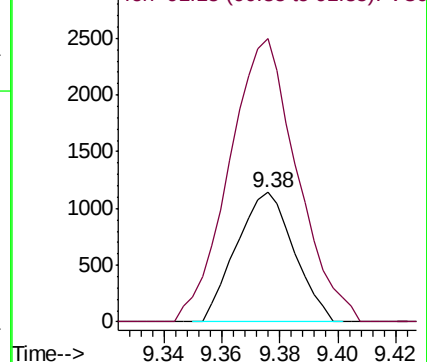
Ion Ratio Lower Upper

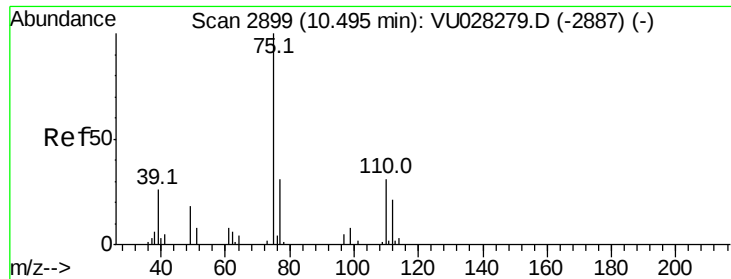
106 100

91 218.4 150.6 279.6



Abundance Ion 106.15 (105.85 to 106.85): VU028279.D (-2538) (-)





#59

1,2,3-Trichloropropane

Concen: 1.196 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028300.D

Acq: 21 Nov 2018 00:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 9880

Ion Ratio Lower Upper

75 100

77 36.8 25.7 38.5

