

Data File : VR025788.D
Acq On : 20 Sep 2018 23:45
Operator : SY/MD
Sample : J4991-03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
C0T24

Quant Time: Sep 21 07:44:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 07:37:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	528370	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	418230	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	149568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	106729	4.73	ug/L	-0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	2.62	69	91714	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	3.60	63	168547	2.70	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	6.59	46	221784	54.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.50%
24) Chloroform-d	7.20	84	284289	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	7.89	65	130168	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	7.85	84	499229	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	8.90	67	150860	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	9.97	98	385038	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	10.24	79	41062	3.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.60%
46) 2-Hexanone-d5	10.59	63	189256	52.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.40%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	72495	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	92231	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

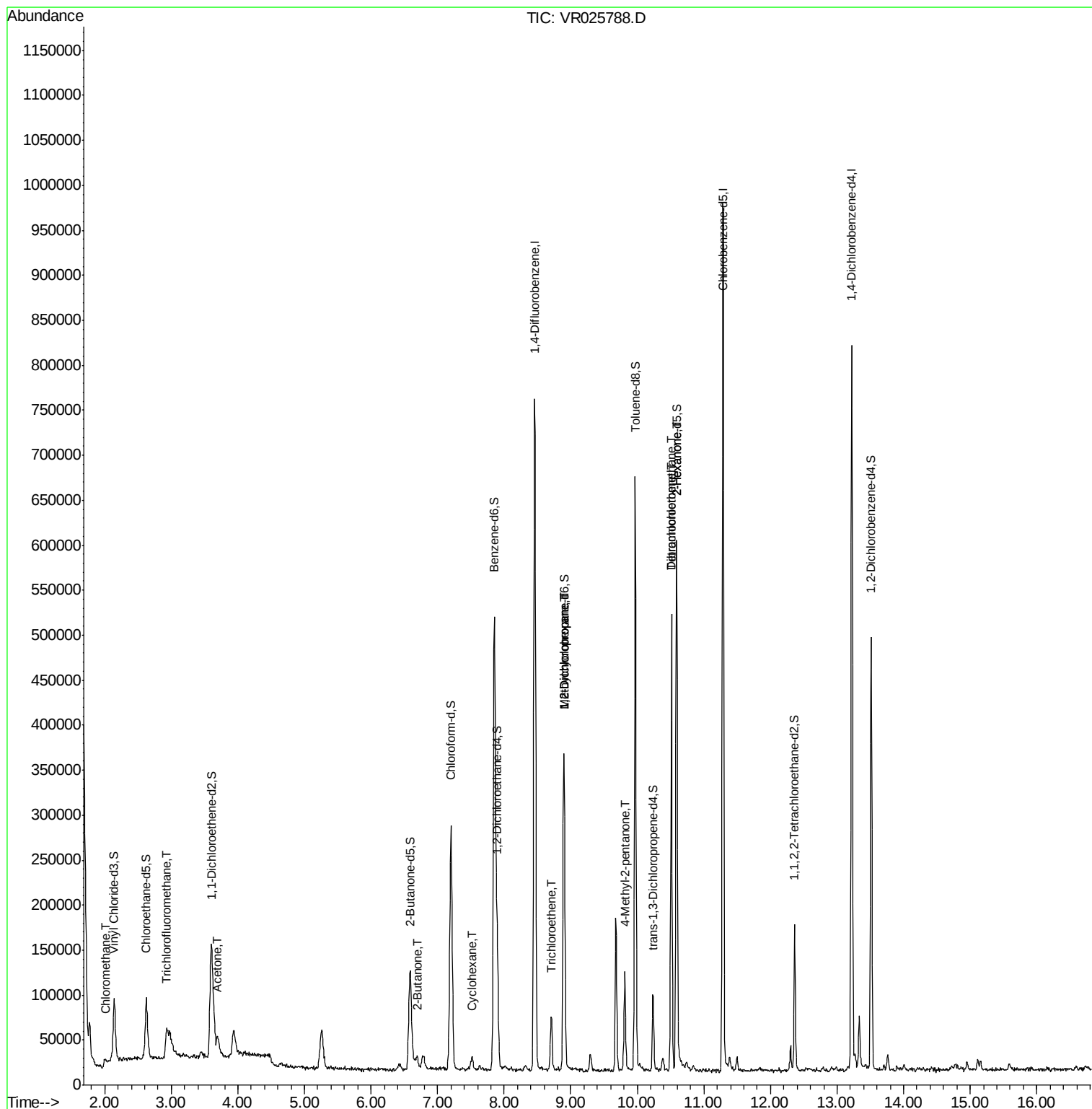
					Qvalue
3) Chloromethane	2.01	50	6292	0.106	ug/L 99
9) Trichlorofluoromethane	2.94	101	36853	0.566	ug/L # 55
13) Acetone	3.69	43	38857	18.055	ug/L 99
21) 2-Butanone	6.69	43	7205	1.237	ug/L 91
30) Cyclohexane	7.51	56	9808	0.096	ug/L 94
34) Trichloroethene	8.71	95	19679	0.337	ug/L 90
35) Methylcyclohexane	8.90	83	33802	0.353	ug/L # 16
37) 1,2-Dichloropropane	8.89	63	19262	0.419	ug/L # 91
40) 4-Methyl-2-pentanone	9.81	43	51822	3.187	ug/L # 48
47) Tetrachloroethene	10.51	164	76405	2.210	ug/L 96
48) 2-Hexanone	10.59	43	26484	2.447	ug/L # 68
49) Dibromochloromethane	10.51	129	68705	2.756	ug/L # 13

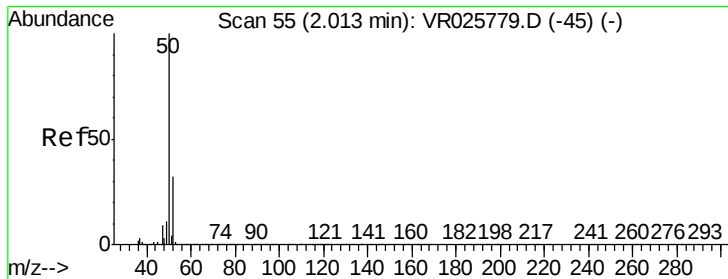
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.106 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

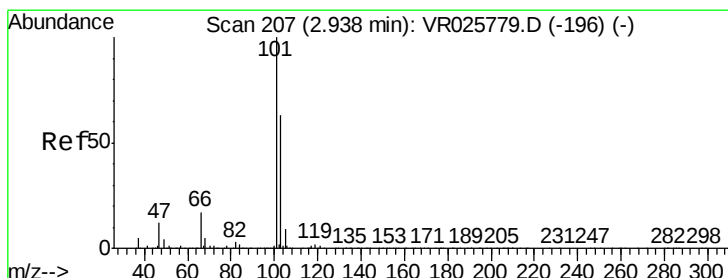
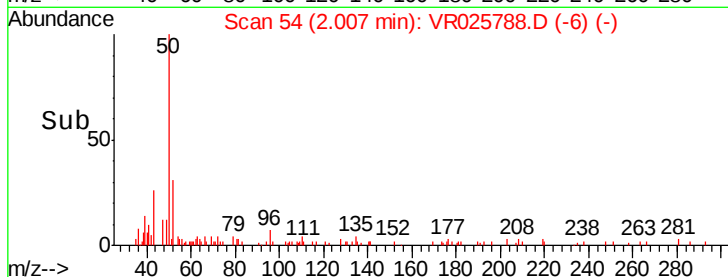
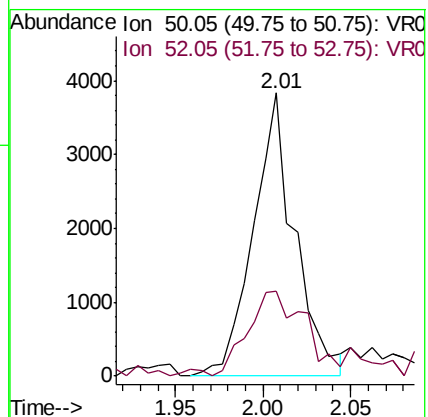
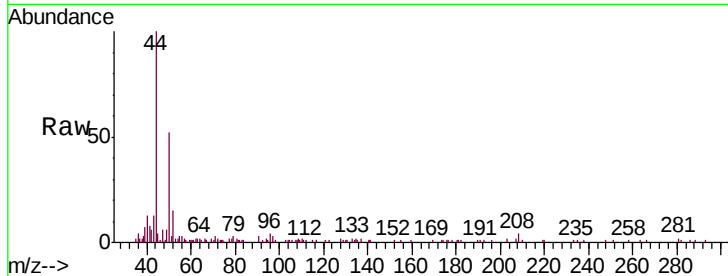
C0T24

Tgt Ion: 50 Resp: 6292

Ion Ratio Lower Upper

50 100

52 29.8 21.3 39.6



#9

Trichlorofluoromethane

Concen: 0.566 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

Lab File: VR025788.D

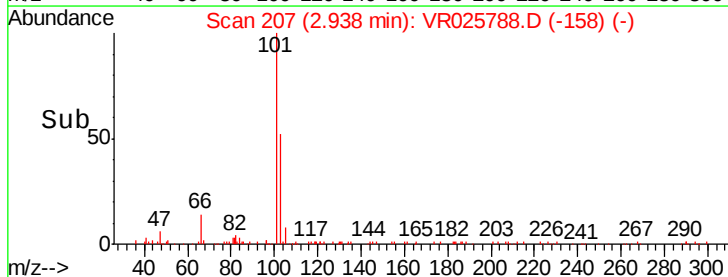
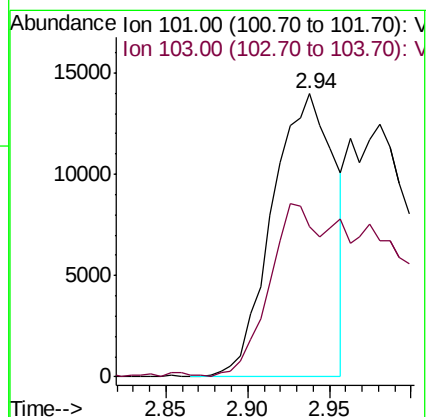
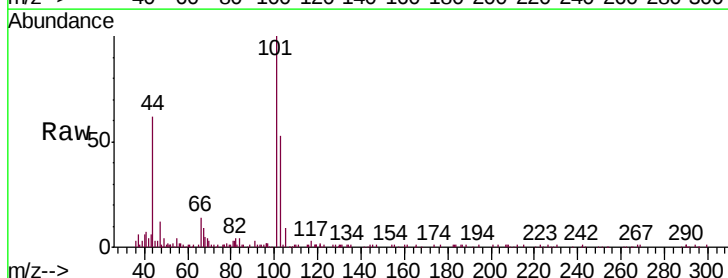
Acq: 20 Sep 2018 23:45

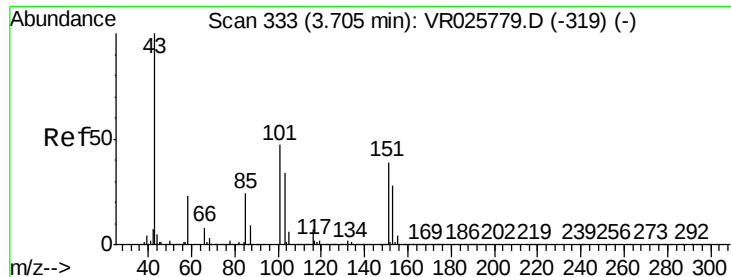
Tgt Ion: 101 Resp: 36853

Ion Ratio Lower Upper

101 100

103 48.0 20.2 30.2#





#13

Acetone

Concen: 18.055 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR025788.D

Acq: 20 Sep 2018 23:45

Instrument :

MSVOA_R

ClientSampleId :

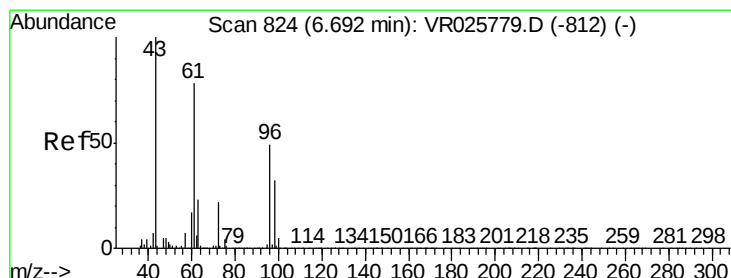
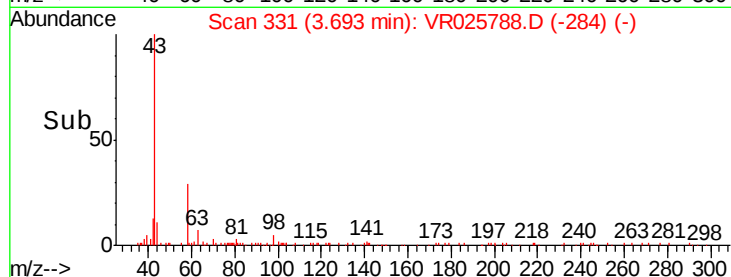
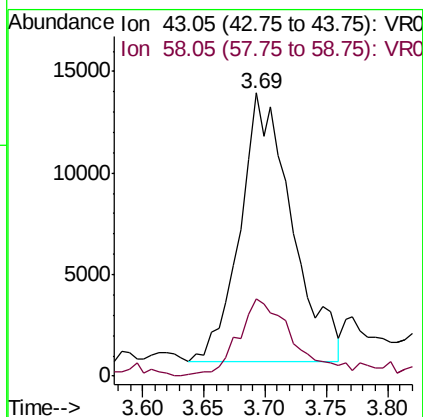
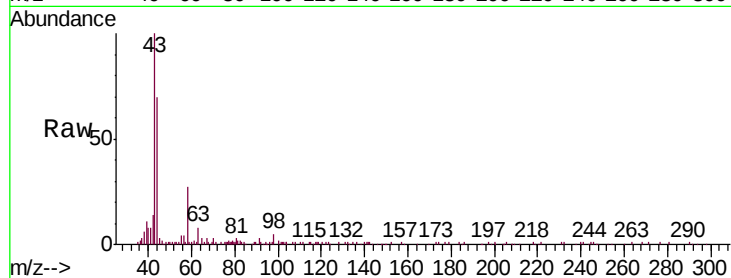
C0T24

Tgt Ion: 43 Resp: 38857

Ion Ratio Lower Upper

43 100

58 30.8 0.0 63.0



#21

2-Butanone

Concen: 1.237 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.00 min

Lab File: VR025788.D

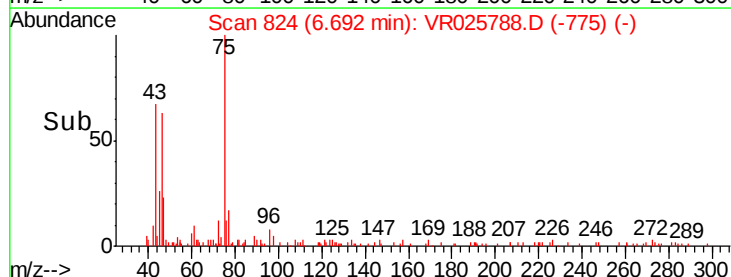
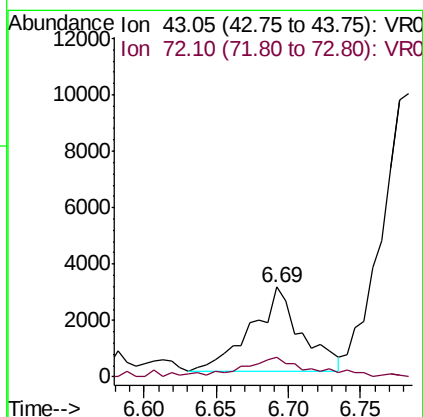
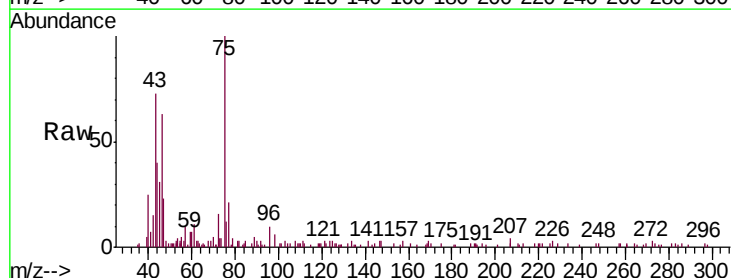
Acq: 20 Sep 2018 23:45

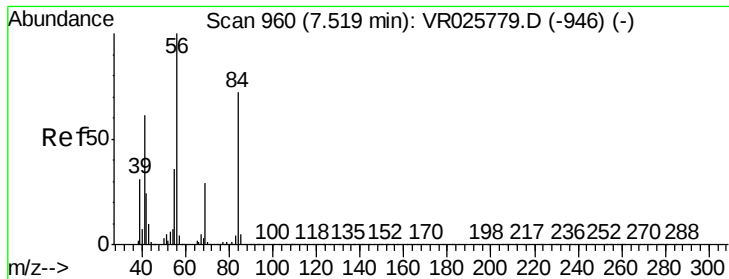
Tgt Ion: 43 Resp: 7205

Ion Ratio Lower Upper

43 100

72 20.1 12.4 37.0

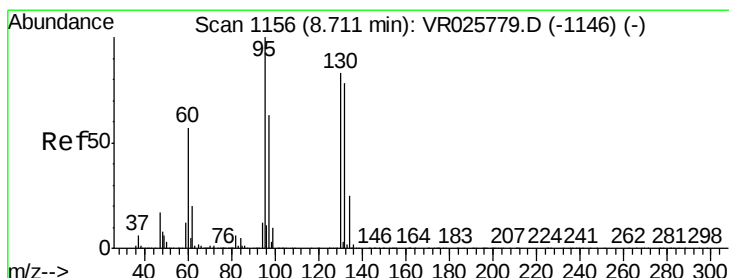
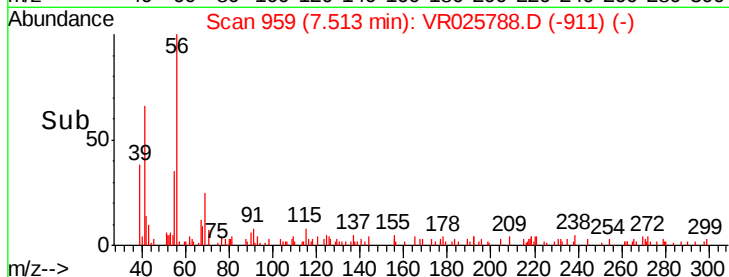
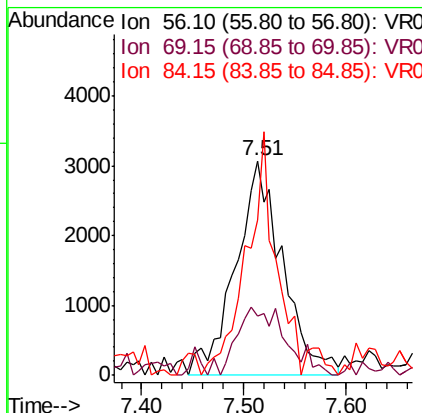
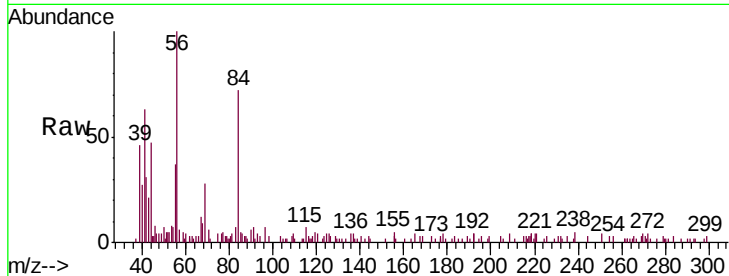




#30
Cyclohexane
Concen: 0.096 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

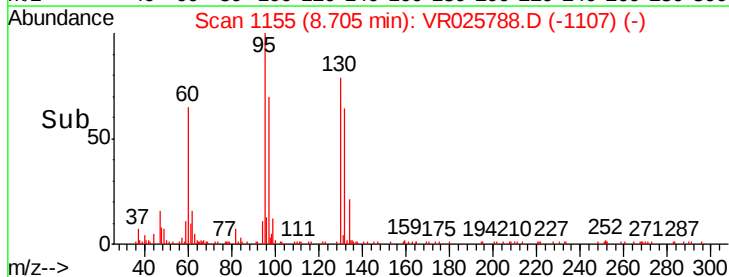
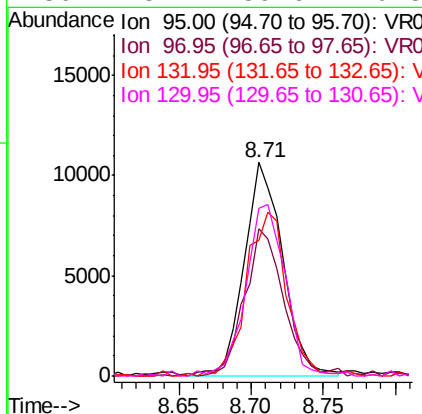
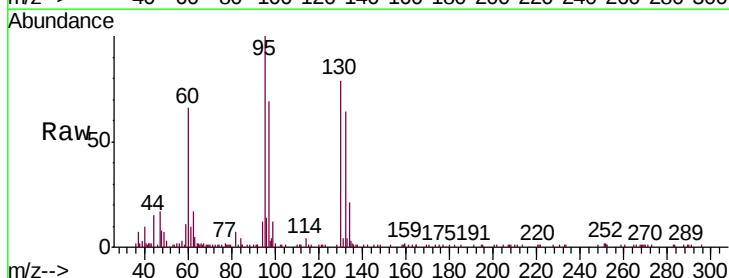
Instrument :
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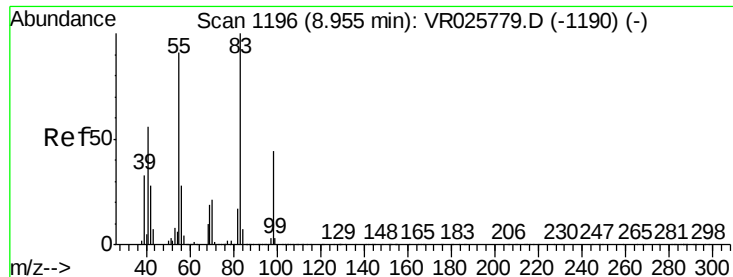
Tgt Ion: 56 Resp: 9808
Ion Ratio Lower Upper
56 100
69 33.3 24.0 36.0
84 70.2 60.2 90.4



#34
Trichloroethene
Concen: 0.337 ug/L
RT: 8.71 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

Tgt Ion: 95 Resp: 19679
Ion Ratio Lower Upper
95 100
97 69.1 46.2 85.8
132 63.5 56.0 104.0
130 78.7 59.6 110.8

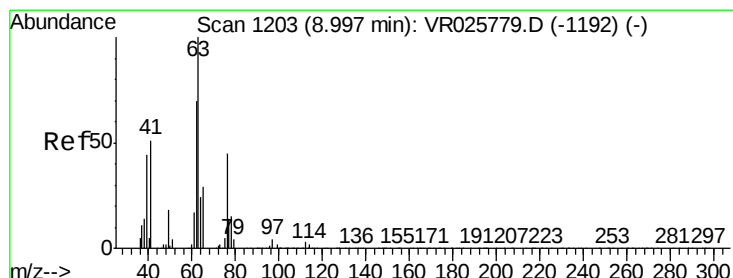
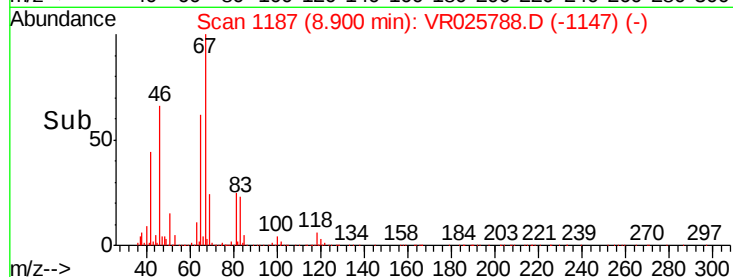
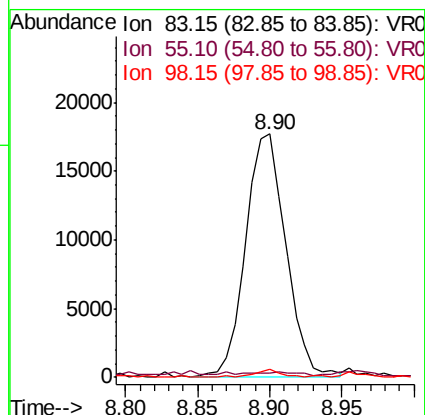
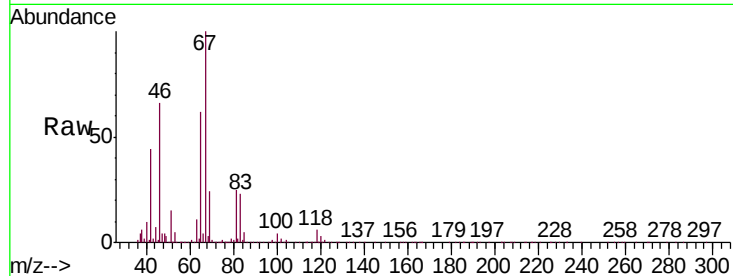




#35
Methylcyclohexane
Concen: 0.353 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

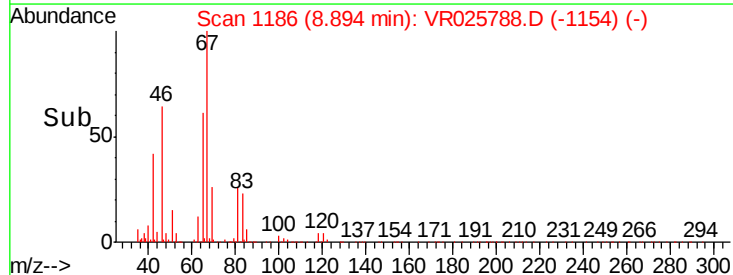
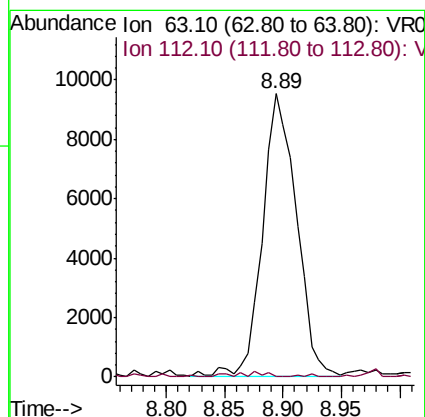
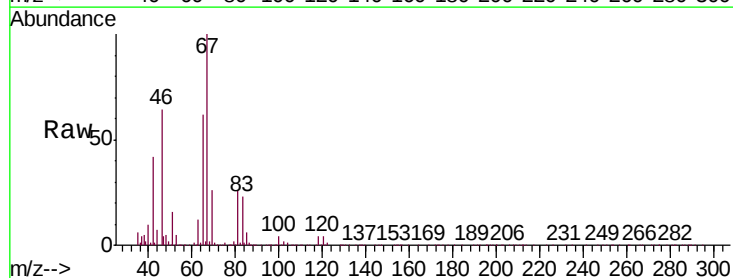
Instrument :
MSVOA_R
ClientSampleId :
C0T24

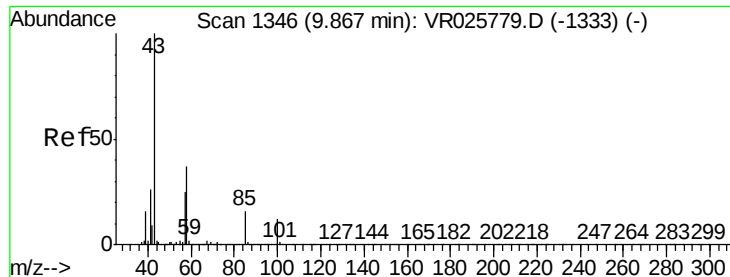
Tgt Ion: 83 Resp: 33802
Ion Ratio Lower Upper
83 100
55 0.2 70.3 105.5#
98 2.3 34.4 51.6#



#37
1,2-Dichloropropane
Concen: 0.419 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.10 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

Tgt Ion: 63 Resp: 19262
Ion Ratio Lower Upper
63 100
112 0.7 3.0 4.6#

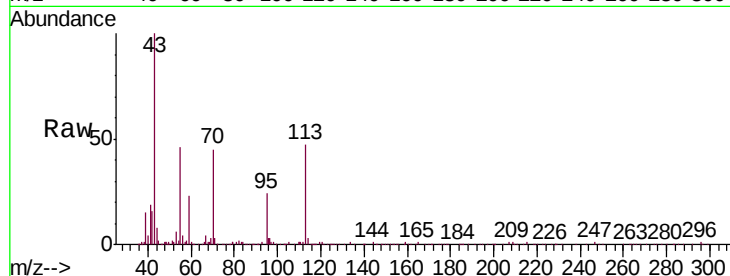




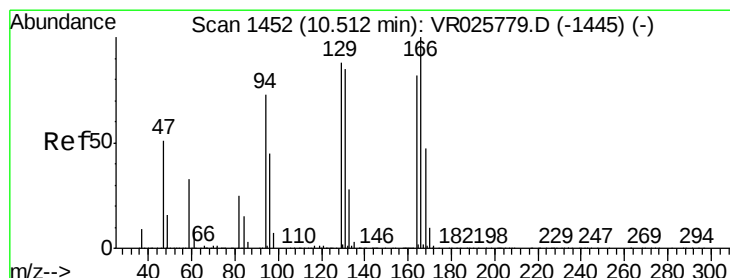
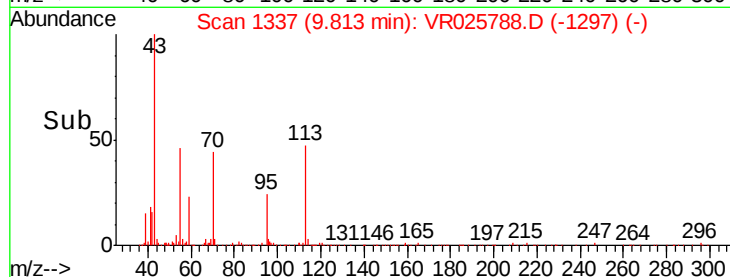
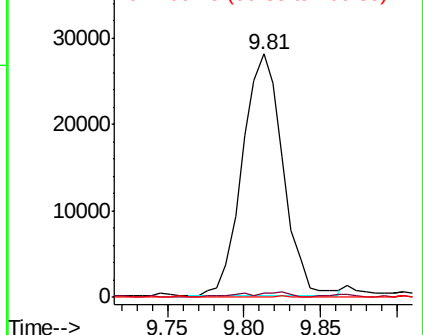
#40
4-Methyl-2-pentanone
Concen: 3.187 ug/L
RT: 9.81 min Scan# 1337
Delta R.T. -0.05 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

Instrument :
MSVOA_R
ClientSampleId :
C0T24

Tgt Ion: 43 Resp: 51822
Ion Ratio Lower Upper
43 100
58 0.8 28.3 42.5#
100 0.0 9.3 13.9#

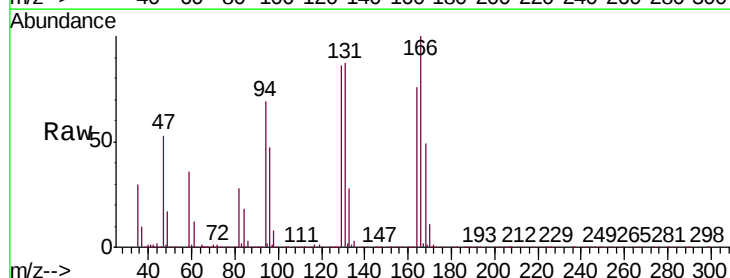


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 100.15 (99.85 to 100.85): VR0

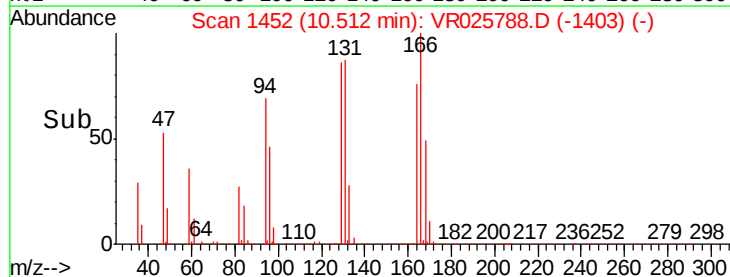
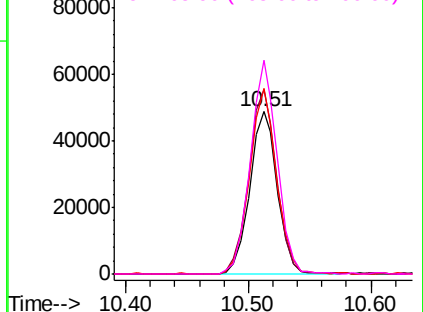


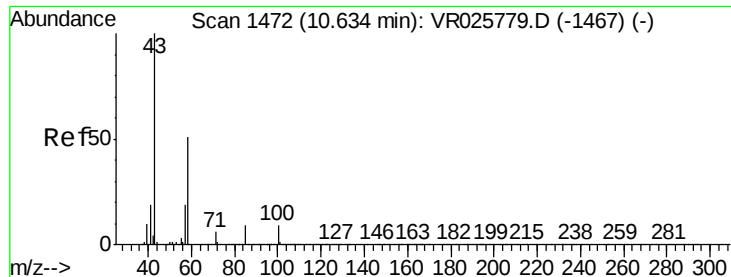
#47
Tetrachloroethene
Concen: 2.210 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

Tgt Ion: 164 Resp: 76405
Ion Ratio Lower Upper
164 100
129 113.7 77.5 143.9
131 114.3 74.3 138.1
166 131.7 91.1 169.1



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

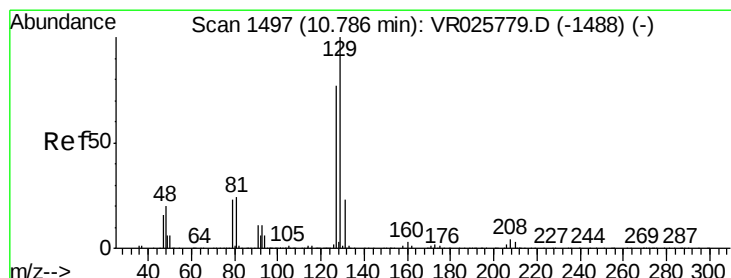
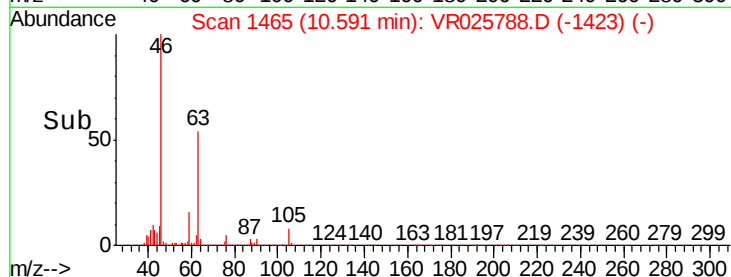
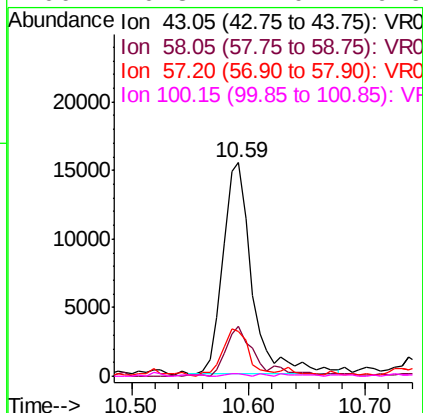
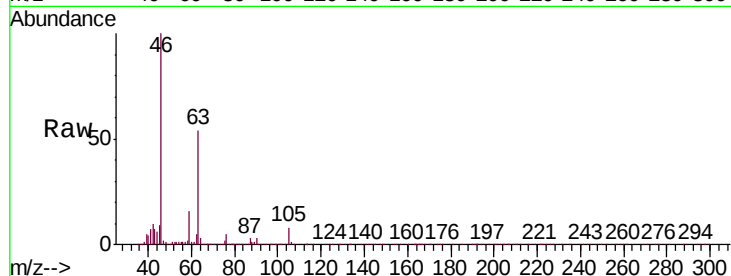




#48
2-Hexanone
Concen: 2.447 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

Instrument :
MSVOA_R
ClientSampled :
C0T24

Tgt Ion: 43 Resp: 26484
Ion Ratio Lower Upper
43 100
58 20.8 39.9 59.9#
57 20.6 14.3 21.5
100 0.8 7.0 10.6#



#49
Dibromochloromethane
Concen: 2.756 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR025788.D
Acq: 20 Sep 2018 23:45

Tgt Ion: 129 Resp: 68705
Ion Ratio Lower Upper
129 100
127 0.3 51.9 96.5#

