

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026088.D
 Acq On : 16 Oct 2018 00:02
 Operator : SY/MD
 Sample : J5379-06
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 16 08:25:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 08:21:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	529762	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	461178	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	146084	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	238692	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	2.63	69	210318	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	3.61	63	425035	3.73	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	6.59	46	214275	56.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.58%
24) Chloroform-d	7.20	84	348826	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	7.90	65	151008	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	7.85	84	704770	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	8.90	67	194634	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	9.97	98	649045	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	10.24	79	43487	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	10.59	63	168442	58.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.26%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	74399	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	123599	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
3) Chloromethane	2.02	50	14752	0.261 ug/L	95
13) Acetone	3.71	43	14934	3.795 ug/L	100
18) trans-1,2-Dichloroethene	4.89	96	34113	0.876 ug/L	96
19) 1,1-Dichloroethane	5.69	63	17156	0.235 ug/L	91
22) cis-1,2-Dichloroethene	6.68	96	1485756	40.317 ug/L #	100
25) Chloroform	7.23	83	10938	0.153 ug/L	87
27) 1,2-Dichloroethane	7.86	62	5286	0.151 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	140598	2.231 ug/L	98
31) Carbon tetrachloride	7.44	117	16214	0.283 ug/L	96
34) Trichloroethene	8.71	95	5175193	116.844 ug/L	93
35) Methylcyclohexane	8.90	83	44657	0.677 ug/L #	16
37) 1,2-Dichloropropane	8.90	63	24186	0.662 ug/L #	95
42) Toluene	10.04	91	17342	0.095 ug/L	90
44) trans-1,3-Dichloropropene	10.24	75	2901	0.099 ug/L	96
47) Tetrachloroethene	10.51	164	5633	0.178 ug/L	92
48) 2-Hexanone	10.59	43	26295	3.611 ug/L #	69

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 08:21:47 2018
Response via : Initial Calibration

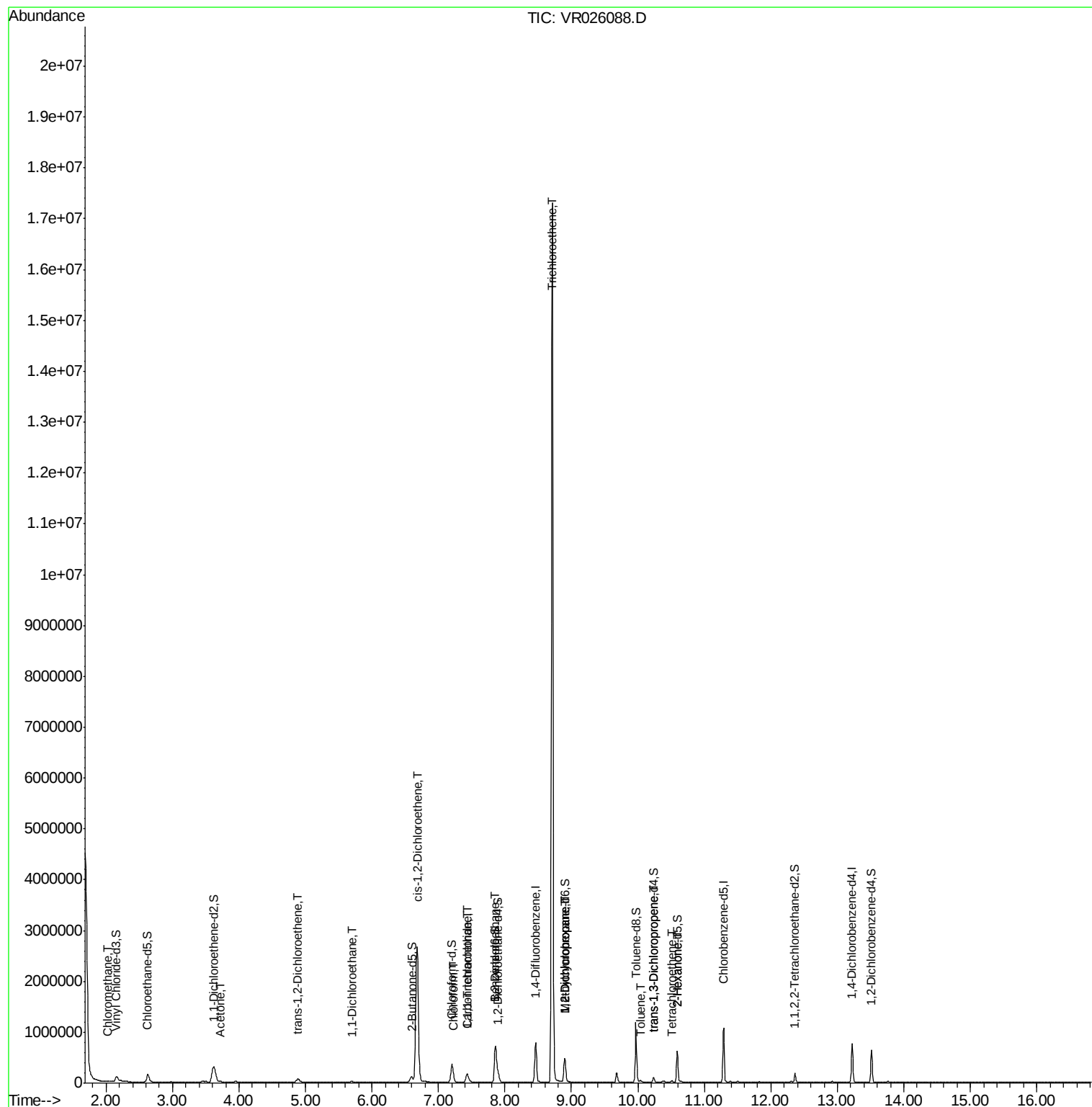
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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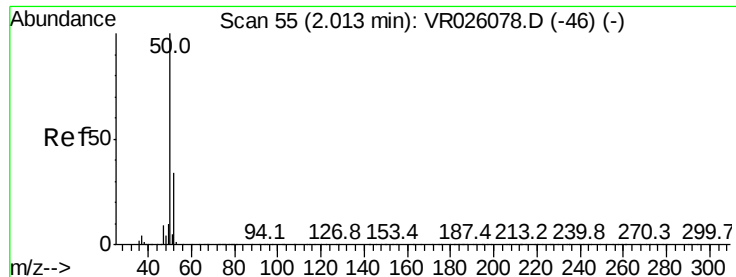
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.261 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

Instrument :

MSVOA_R

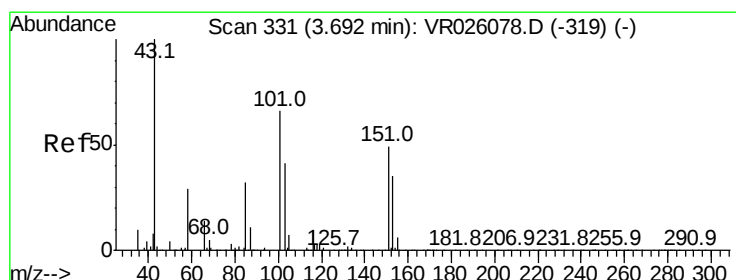
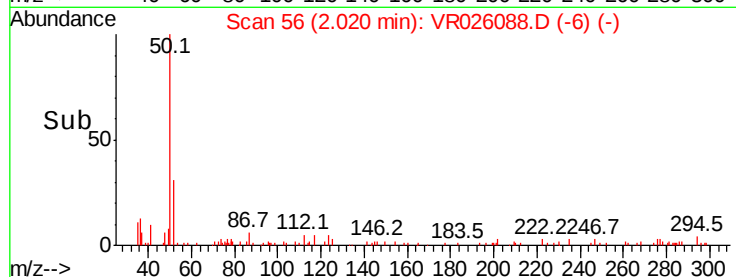
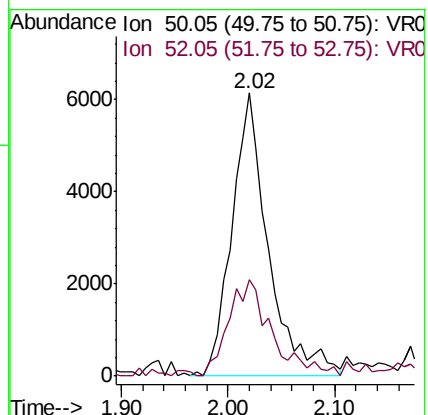
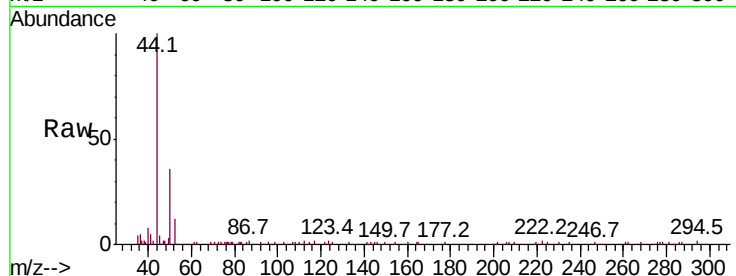
ClientSampleId :

Tot Ion: 50 Resp: 14752

Ion Ratio Lower Upper

50 100

52 34.1 22.0 40.8



#13

Acetone

Concen: 3.795 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.02 min

Lab File: VR026088.D

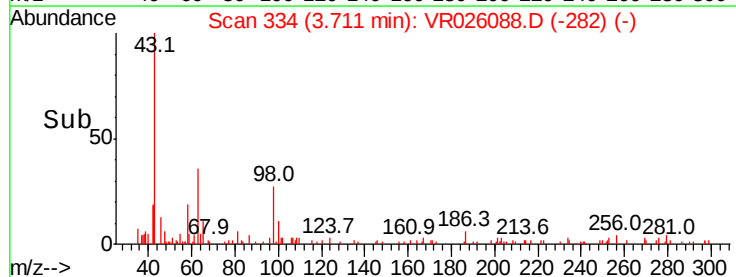
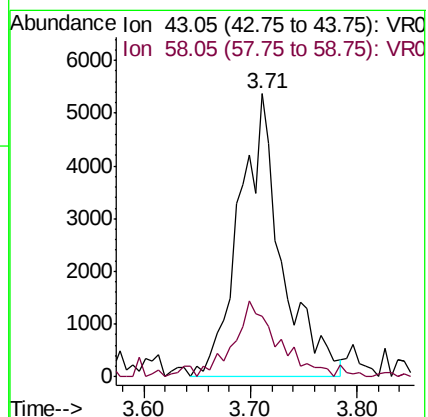
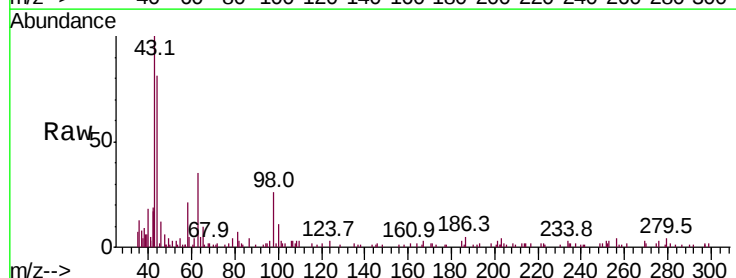
Acq: 16 Oct 2018 00:02

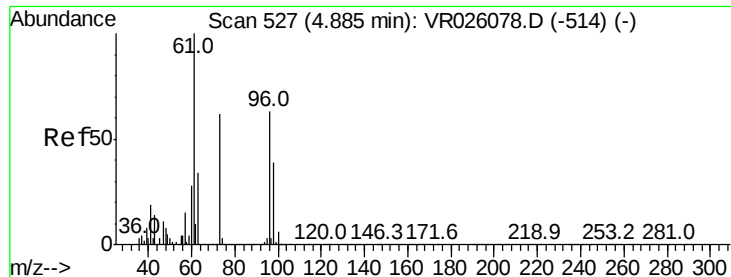
Tgt Ion: 43 Resp: 14934

Ion Ratio Lower Upper

43 100

58 27.5 0.0 55.4

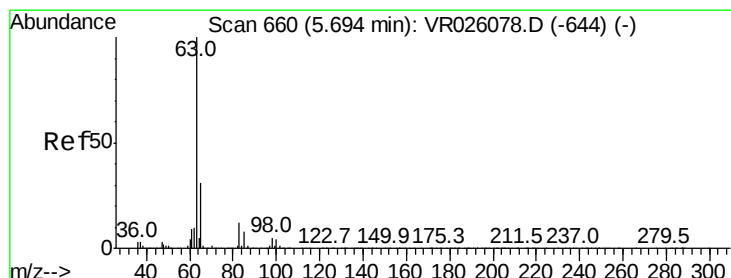
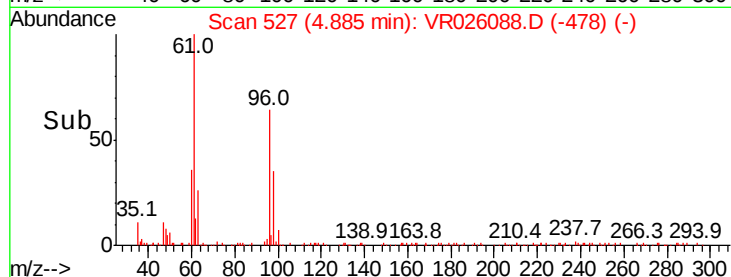
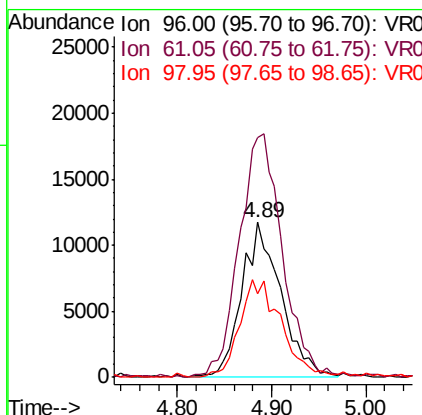
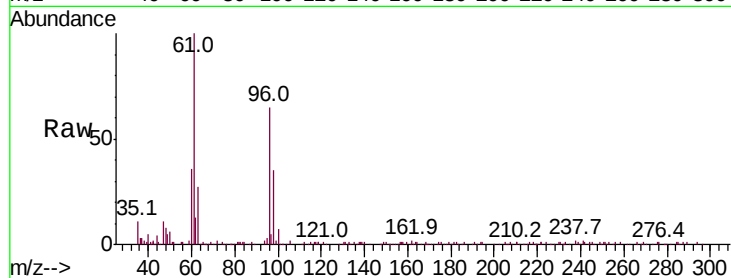




#18
trans-1,2-Dichloroethene
Concen: 0.876 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026088.D
Acq: 16 Oct 2018 00:02

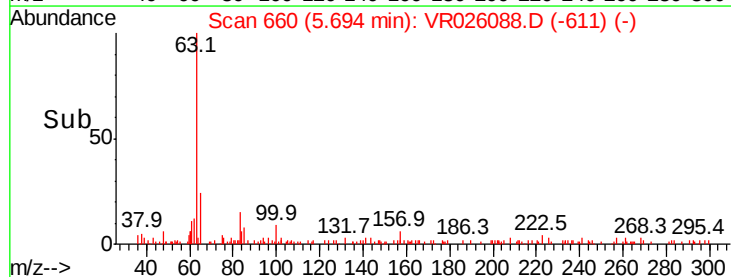
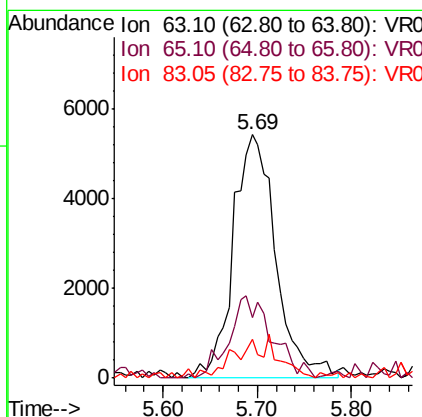
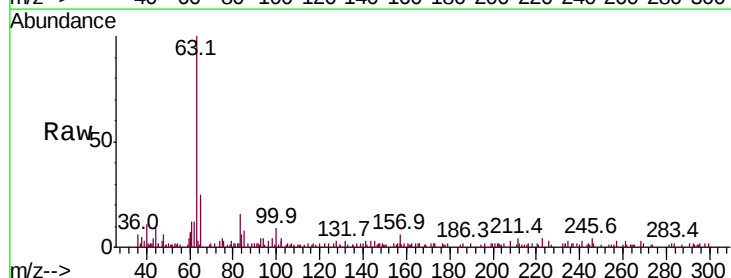
Instrument :
MSVOA_R
ClientSampleId :

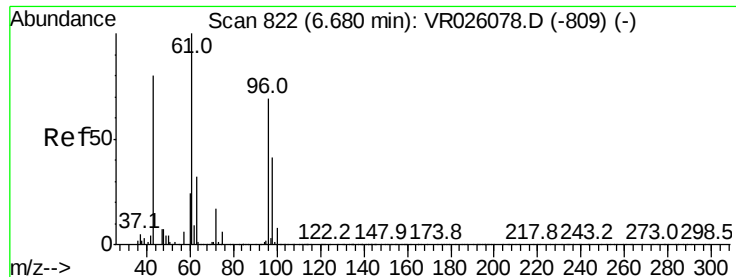
Tot Ion: 96 Resp: 34113
Ion Ratio Lower Upper
96 100
61 154.8 111.4 206.8
98 54.1 41.4 77.0



#19
1,1-Dichloroethane
Concen: 0.235 ug/L
RT: 5.69 min Scan# 660
Delta R.T. 0.00 min
Lab File: VR026088.D
Acq: 16 Oct 2018 00:02

Tgt Ion: 63 Resp: 17156
Ion Ratio Lower Upper
63 100
65 24.5 21.2 39.4
83 15.7 9.2 17.2



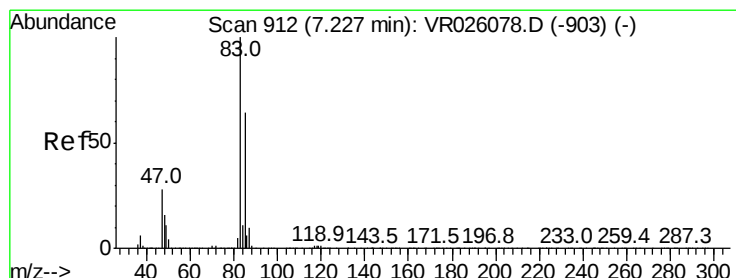
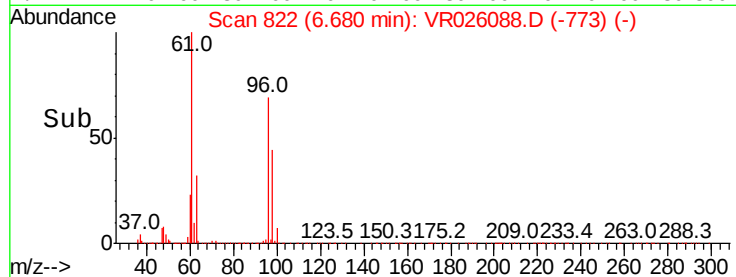
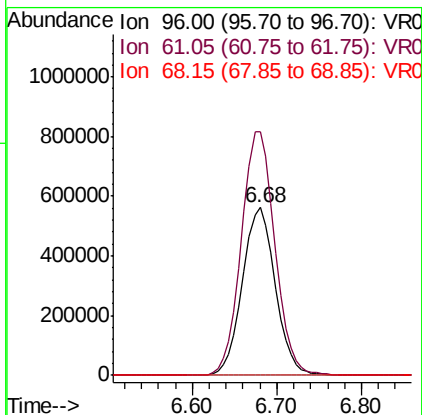
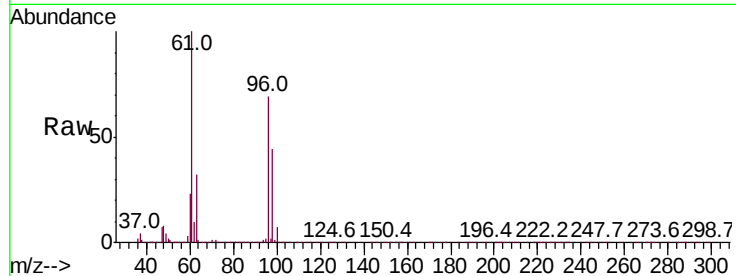


#22

cis-1,2-Dichloroethene
 Concen: 40.317 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VR026088.D
 Acq: 16 Oct 2018 00:02

Instrument :
 MSVOA_R
 ClientSampleId :

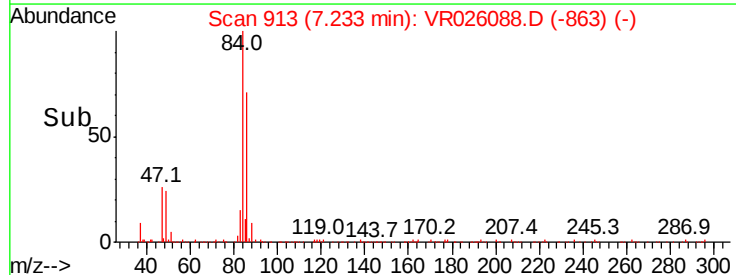
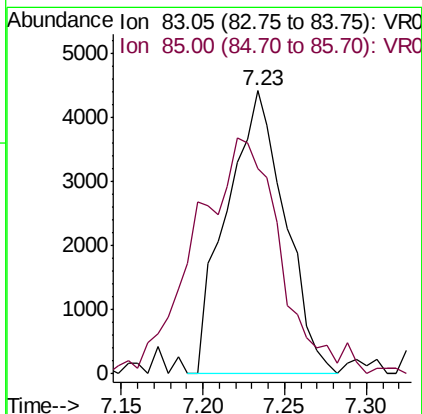
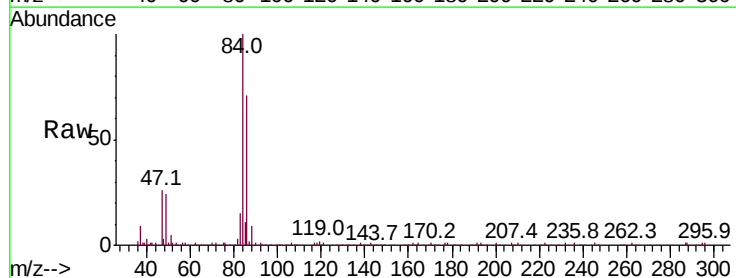
Tot Ion: 96 Resp: 1485756
 Ion Ratio Lower Upper
 96 100
 61 145.1 101.8 189.0
 68 0.0 0.1 0.3#

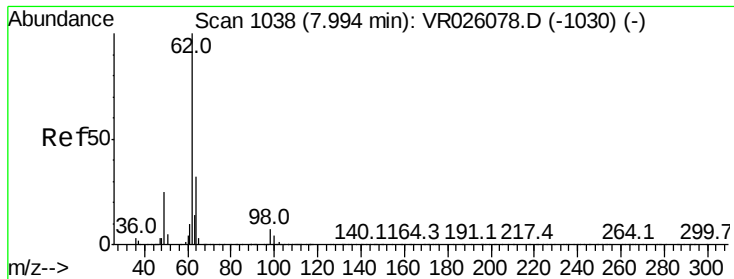


#25

Chloroform
 Concen: 0.153 ug/L
 RT: 7.23 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VR026088.D
 Acq: 16 Oct 2018 00:02

Tgt Ion: 83 Resp: 10938
 Ion Ratio Lower Upper
 83 100
 85 72.4 43.5 80.7





#27

1,2-Dichloroethane

Concen: 0.151 ug/L

RT: 7.86 min Scan# 1016

Delta R.T. -0.13 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

Instrument :

MSVOA_R

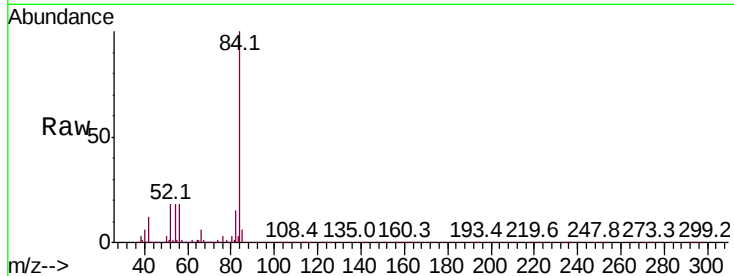
ClientSampleId :

Tot Ion: 62 Resp: 5286

Ion Ratio Lower Upper

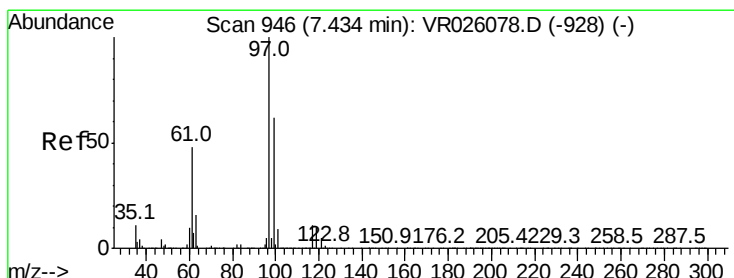
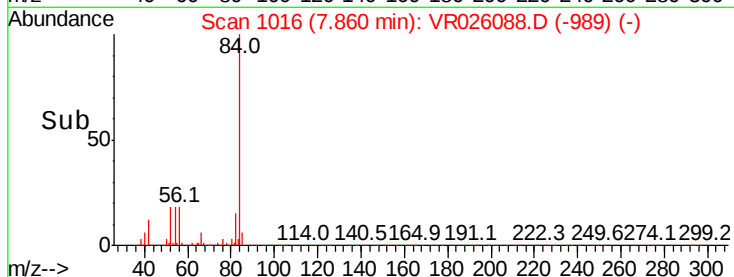
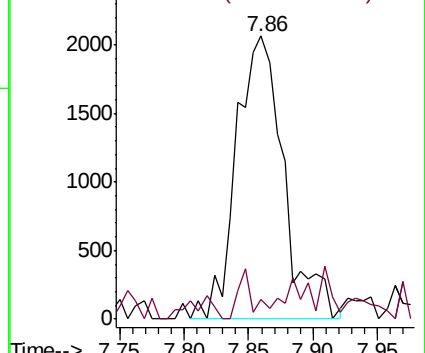
62 100

98 6.8 5.6 8.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0



#29

1,1,1-Trichloroethane

Concen: 2.231 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

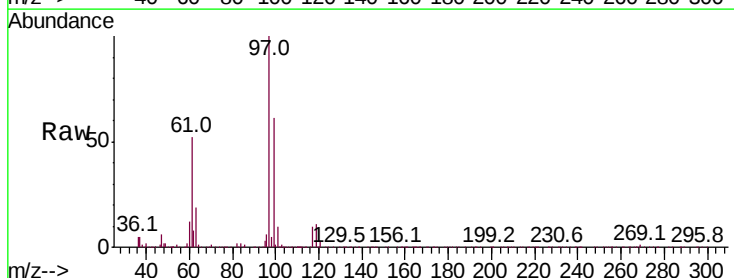
Tgt Ion: 97 Resp: 140598

Ion Ratio Lower Upper

97 100

99 63.3 51.1 76.7

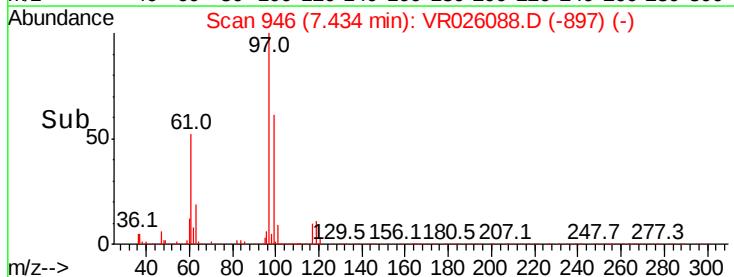
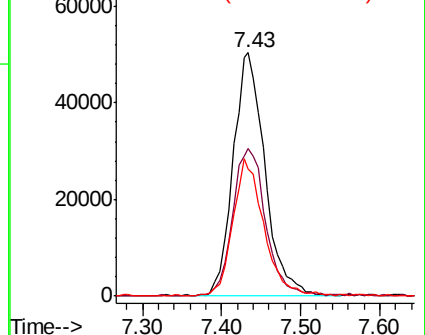
61 54.9 42.1 63.1

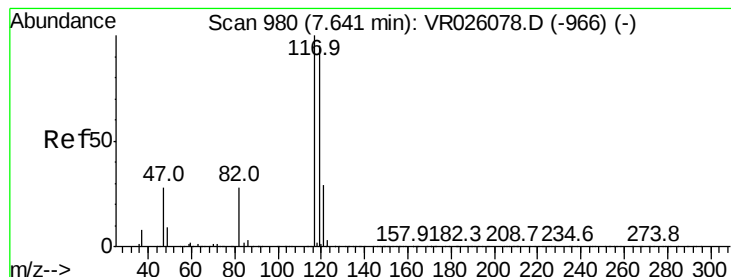


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0





#31

Carbon tetrachloride

Concen: 0.283 ug/L

RT: 7.44 min Scan# 947

Delta R.T. -0.20 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

Instrument :

MSVOA_R

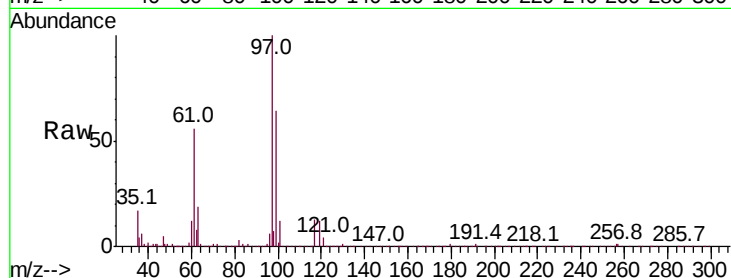
ClientSampleId :

Tot Ion:117 Resp: 16214

Ion Ratio Lower Upper

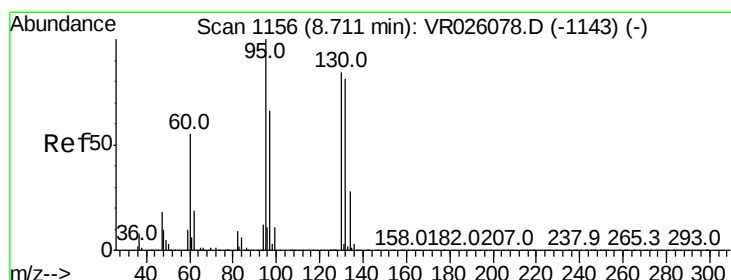
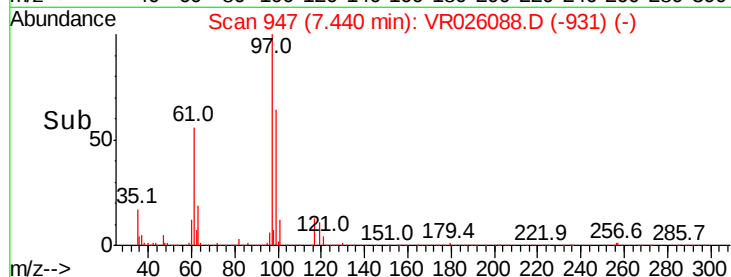
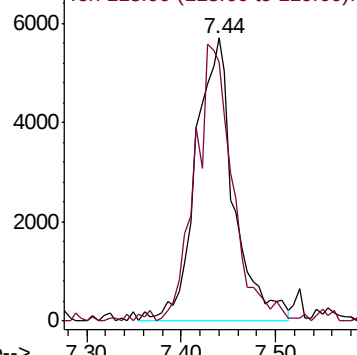
117 100

119 96.6 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 116.844 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

Tgt Ion: 95 Resp: 5175193

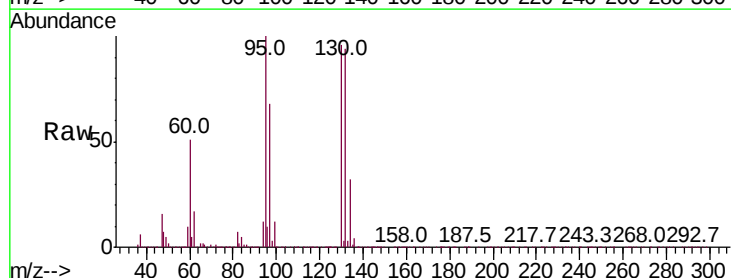
Ion Ratio Lower Upper

95 100

97 68.1 45.7 84.9

132 93.5 58.3 108.3

130 96.0 64.0 119.0

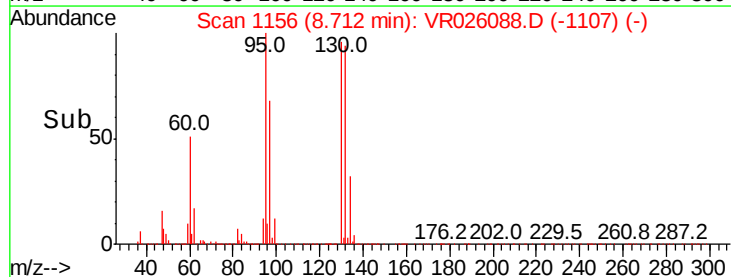
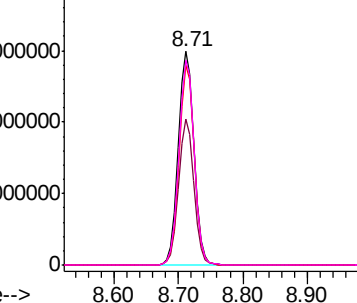


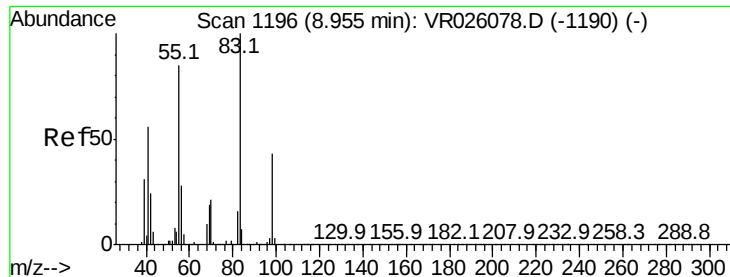
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

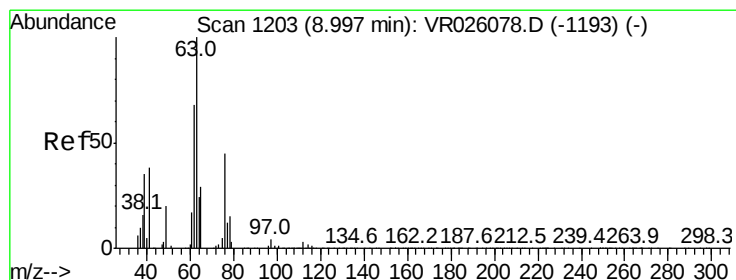
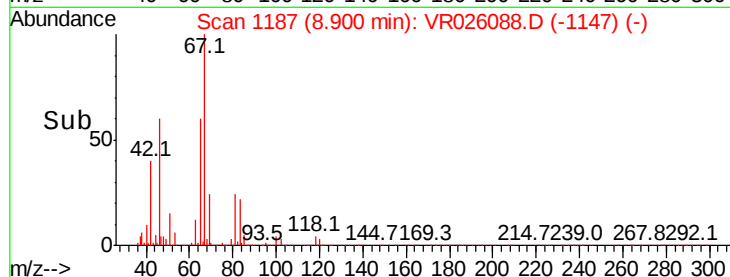
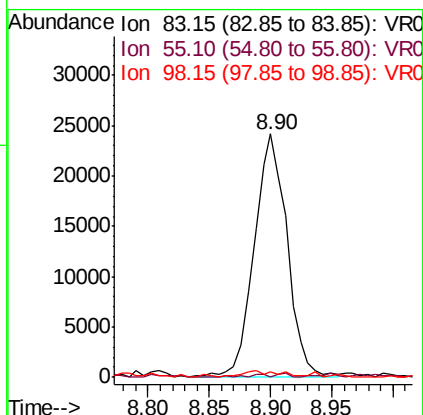
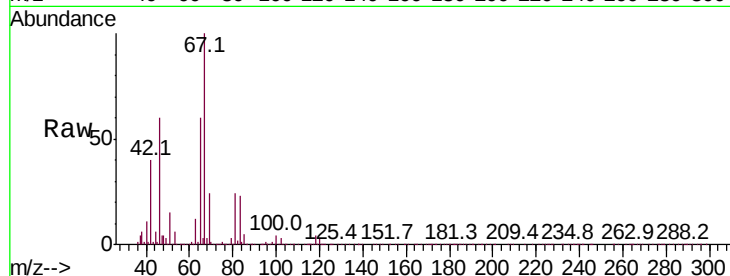




#35
Methvlcvclohexane
Concen: 0.677 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026088.D
Acq: 16 Oct 2018 00:02

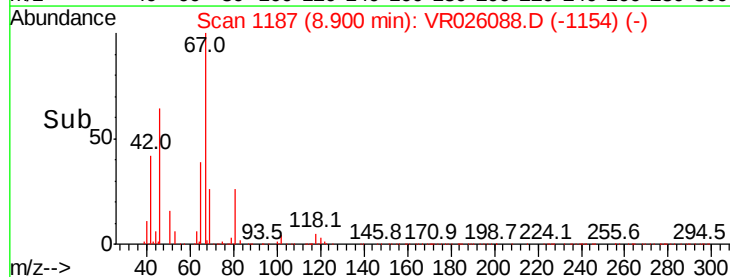
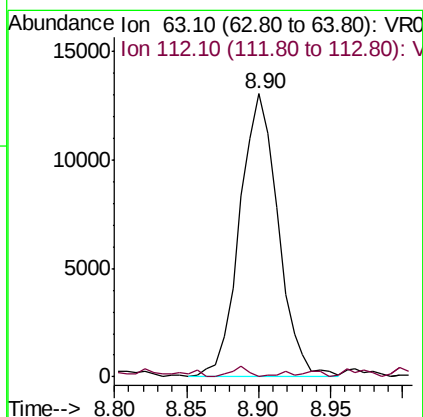
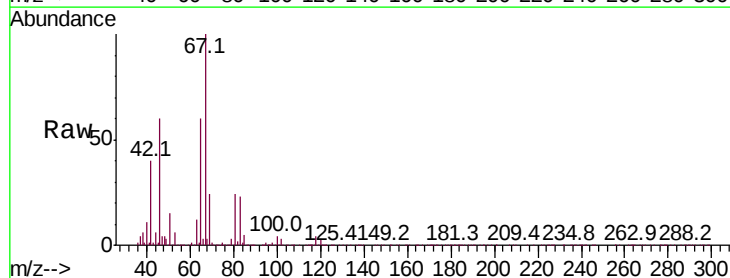
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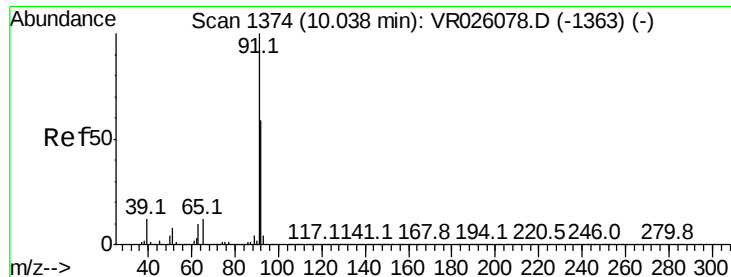
Tot Ion: 83 Resp: 44657
Ion Ratio Lower Upper
83 100
55 0.7 66.8 100.2#
98 0.0 35.2 52.8#



#37
1,2-Dichloropropane
Concen: 0.662 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VR026088.D
Acq: 16 Oct 2018 00:02

Tgt Ion: 63 Resp: 24186
Ion Ratio Lower Upper
63 100
112 1.6 2.7 4.1#





#42

Toluene

Concen: 0.095 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

Instrument :

MSVOA_R

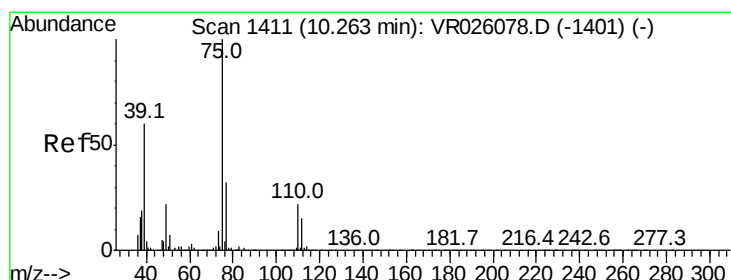
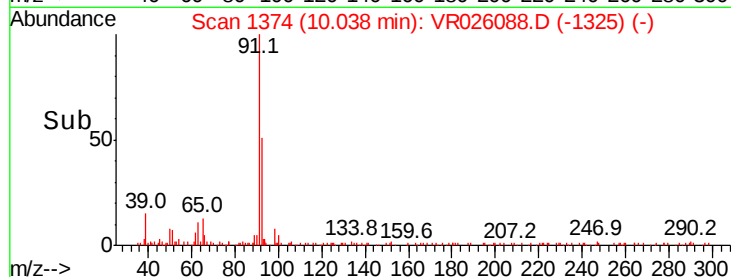
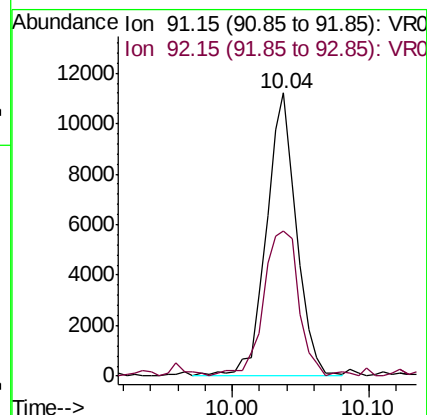
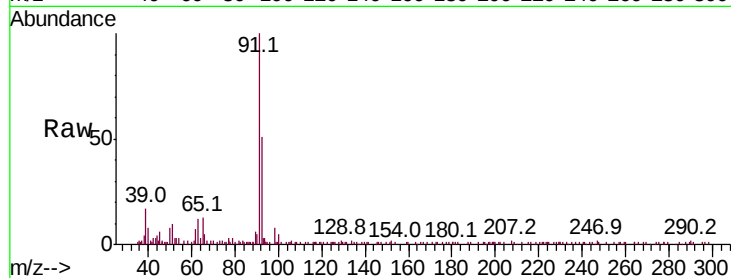
ClientSampleId :

Tot Ion: 91 Resp: 17342

Ion Ratio Lower Upper

91 100

92 51.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026088.D

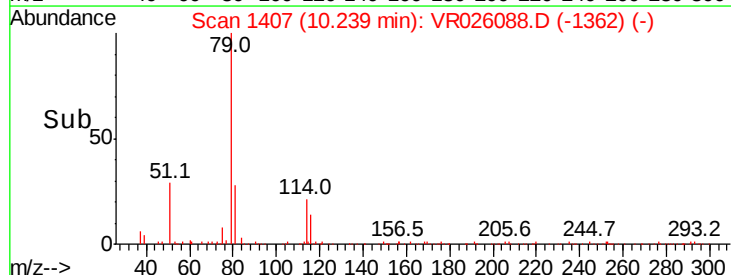
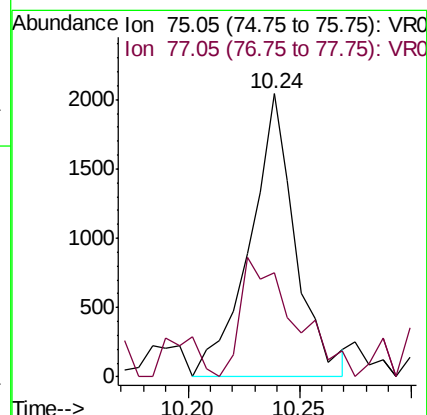
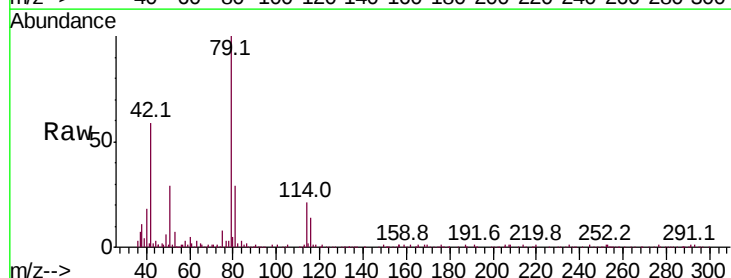
Acq: 16 Oct 2018 00:02

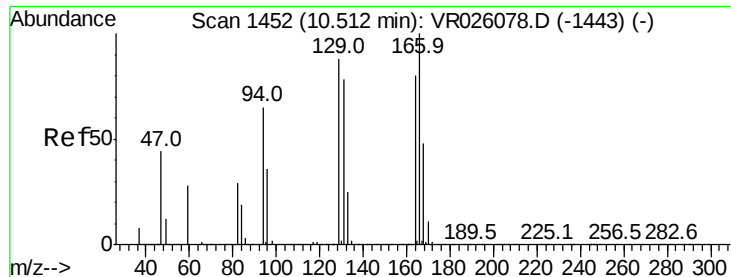
Tgt Ion: 75 Resp: 2901

Ion Ratio Lower Upper

75 100

77 36.6 24.1 44.7





#47

Tetrachloroethene

Concen: 0.178 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:164 Resp: 5633

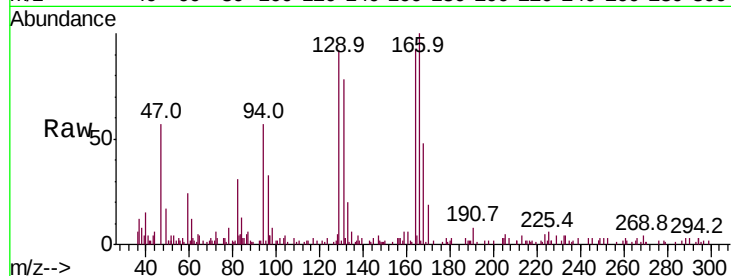
Ion Ratio Lower Upper

164 100

129 101.0 70.3 130.5

131 85.4 67.3 125.1

166 111.0 86.1 159.9

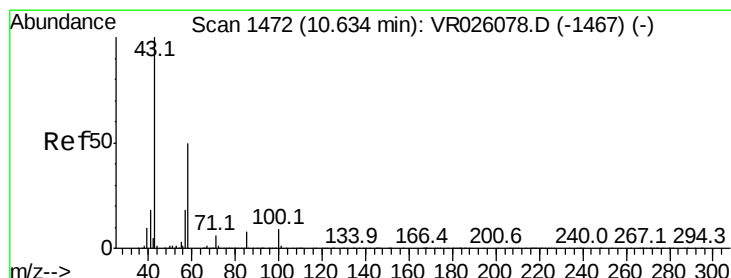
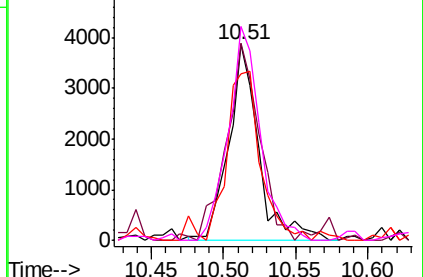
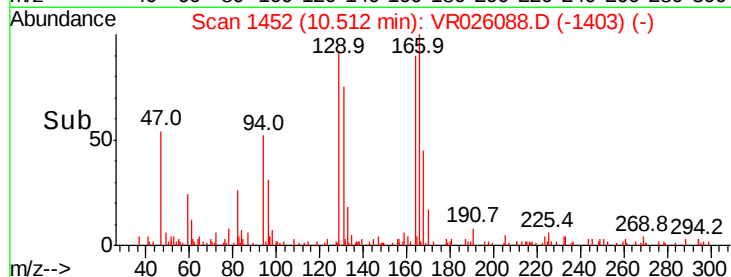


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.611 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026088.D

Acq: 16 Oct 2018 00:02

Tgt Ion: 43 Resp: 26295

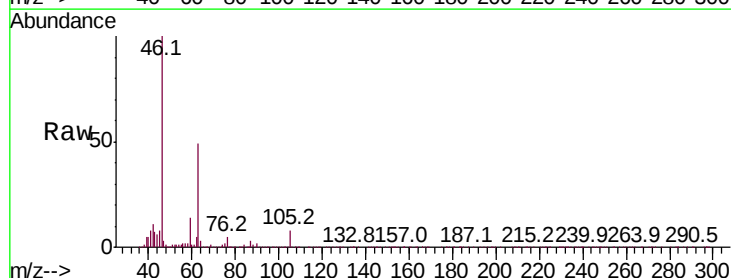
Ion Ratio Lower Upper

43 100

58 26.8 39.6 59.4#

57 30.7 14.0 21.0#

100 2.3 7.0 10.6#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0

