

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101218\
 Data File : VR026057.D
 Acq On : 12 Oct 2018 12:44
 Operator : SY/MD
 Sample : J5315-05DL 5X
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 13 00:55:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 13 00:51:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	512348	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	418569	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	144015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	177796	4.40	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	2.62	69	152048	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	3.62	63	312572	3.29	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	6.59	46	271306	60.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.46%
24) Chloroform-d	7.20	84	335869	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	7.90	65	161766	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	7.85	84	635524	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	8.90	67	182427	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	9.97	98	544628	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	10.23	79	40385	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	10.59	63	204300	62.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	75828	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	116615	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
13) Acetone	3.71	43	4620	1.415 ug/L	85
15) Methyl Acetate	4.19	43	927	0.102 ug/L #	46
16) Methylene chloride	4.41	84	19603	0.551 ug/L	94
22) cis-1,2-Dichloroethene	6.67	96	8362	0.260 ug/L #	93
34) Trichloroethene	8.71	95	12169	0.329 ug/L #	74
35) Methylcyclohexane	8.90	83	43486	0.782 ug/L #	15
37) 1,2-Dichloropropane	8.90	63	24313	0.807 ug/L #	93
44) trans-1,3-Dichloropropene	10.24	75	3469	0.157 ug/L	96
47) Tetrachloroethene	10.51	164	177075	7.768 ug/L	87
48) 2-Hexanone	10.59	43	30119	4.344 ug/L #	70
49) Dibromochloromethane	10.51	129	147682	10.682 ug/L #	11
63) 1,4-Dichlorobenzene	13.24	146	3070	0.071 ug/L #	63
68) 1,2,4-trichlorobenzene	14.78	180	2552	0.160 ug/L #	22
69) Naphthalene	15.00	128	2201	0.108 ug/L #	71
70) 1,2,3-Trichlorobenzene	15.18	180	2035	0.184 ug/L	88

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 13 00:51:09 2018
Response via : Initial Calibration

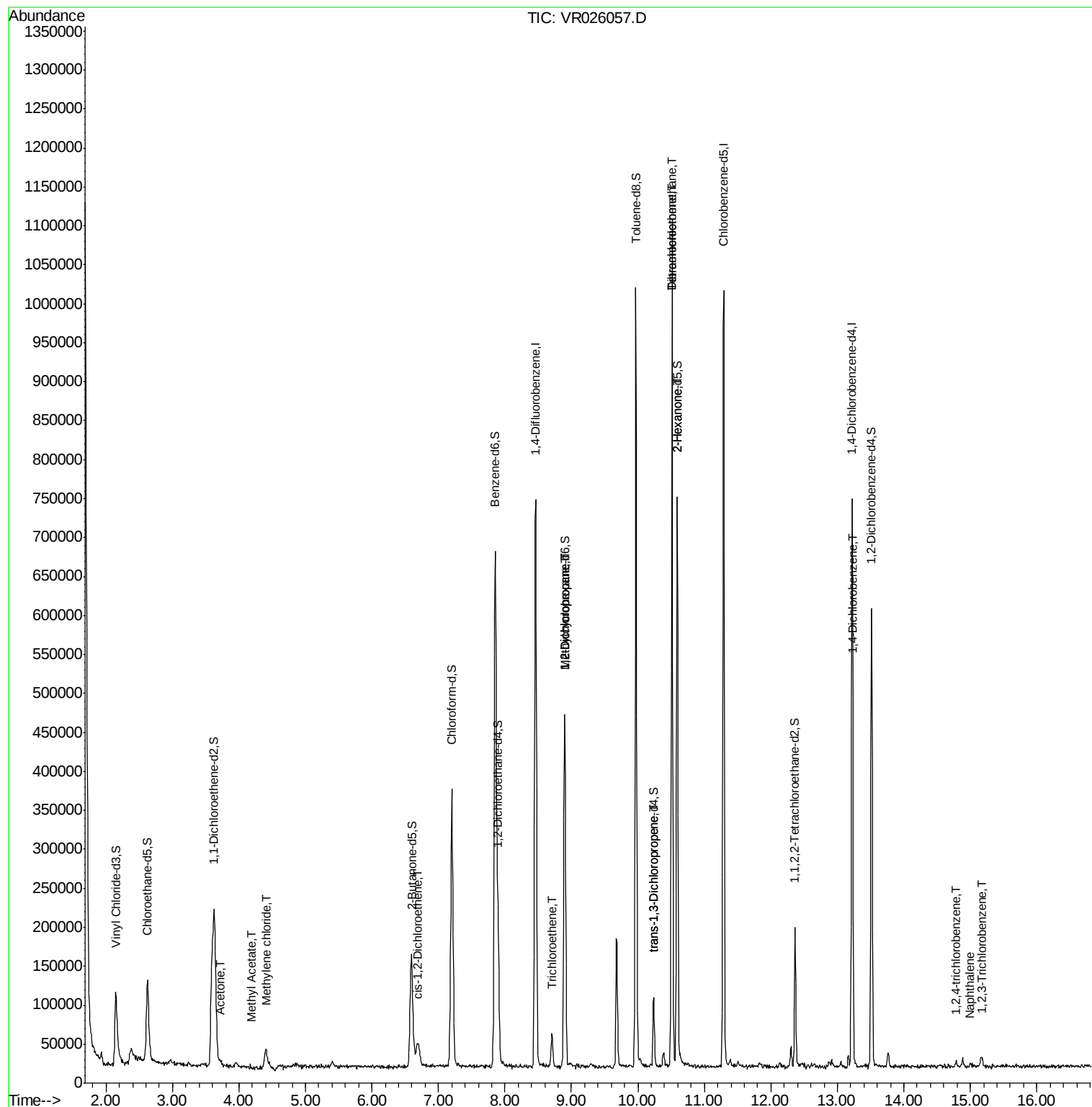
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

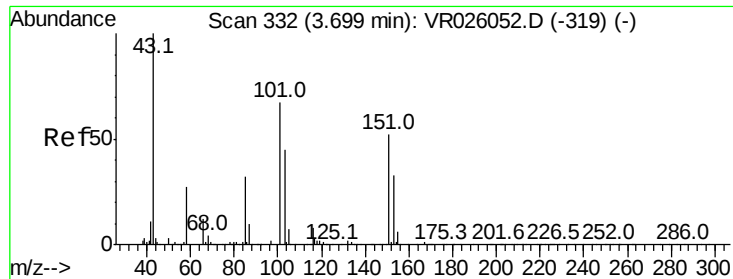
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 1.415 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.01 min

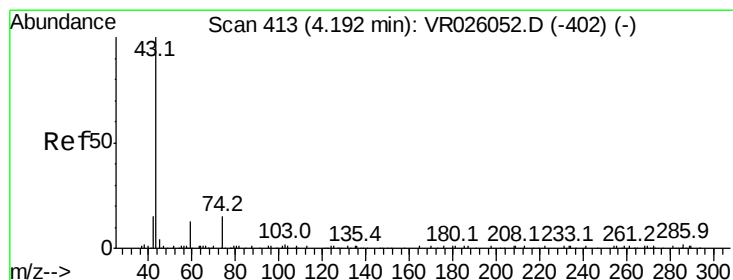
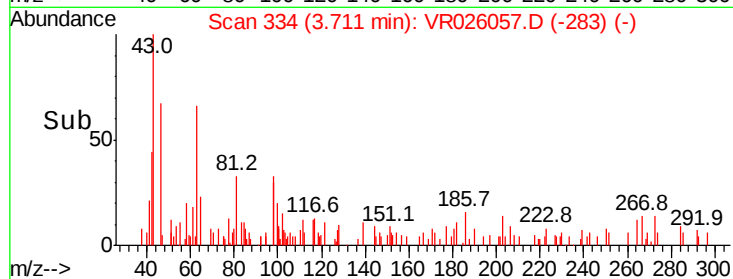
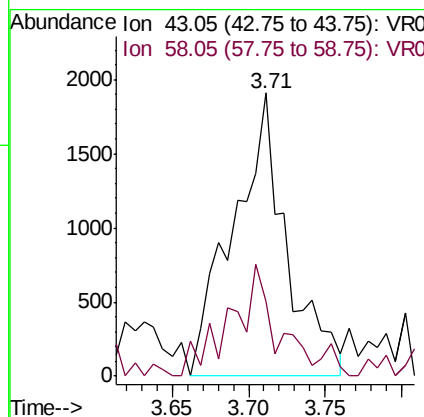
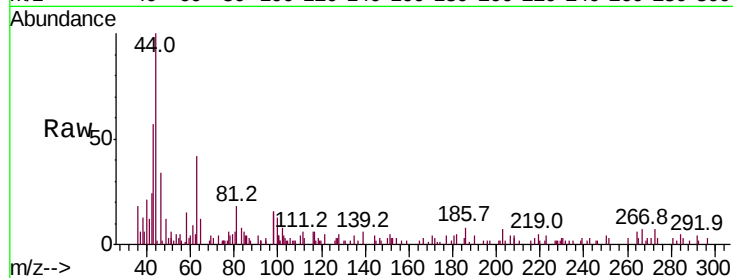
Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 4620

Ion	Ratio	Lower	Upper
43	100		
58	33.3	0.0	51.4



#15

Methyl Acetate

Concen: 0.102 ug/L

RT: 4.19 min Scan# 413

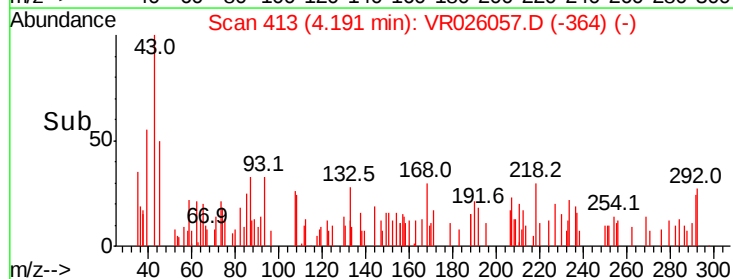
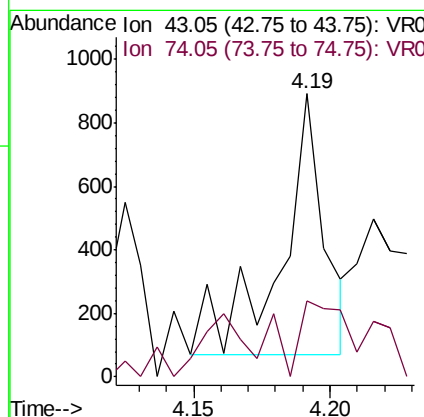
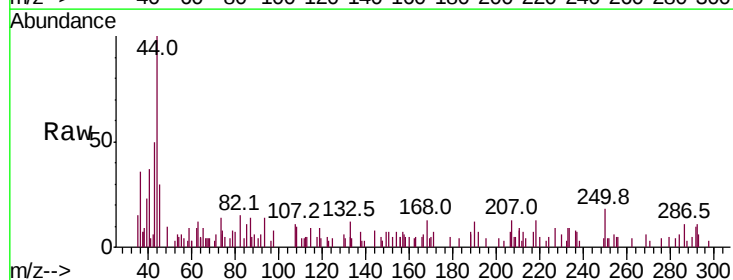
Delta R.T. -0.00 min

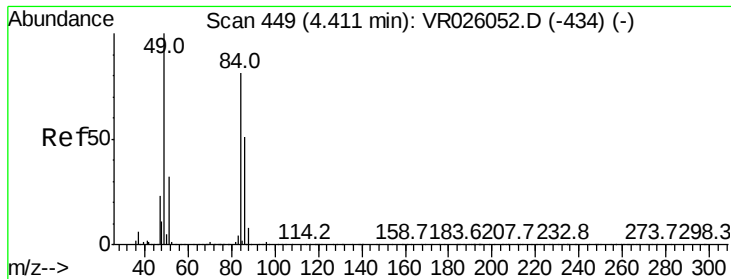
Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

Tgt Ion: 43 Resp: 927

Ion	Ratio	Lower	Upper
43	100		
74	50.1	19.0	28.4#

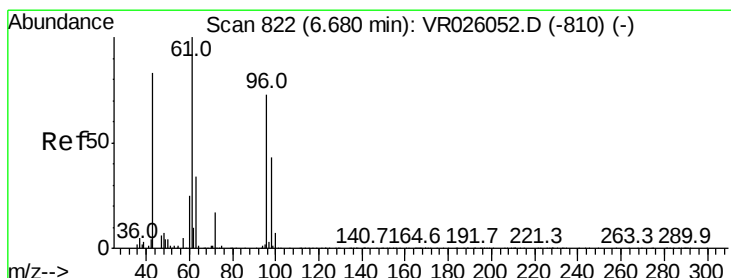
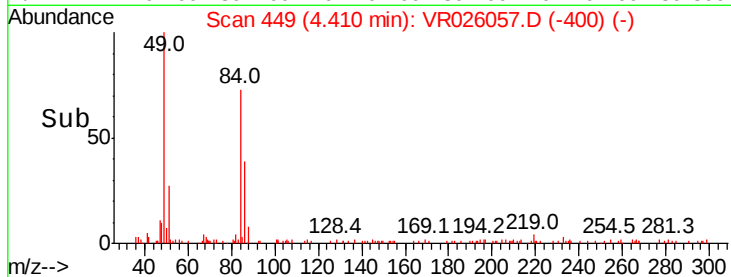
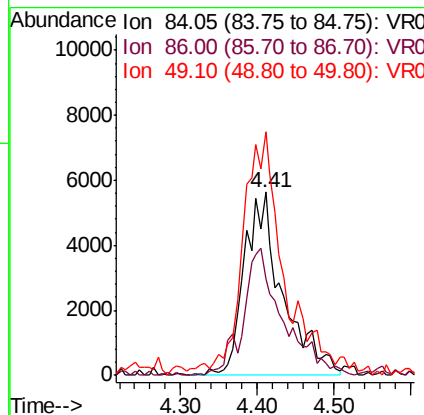
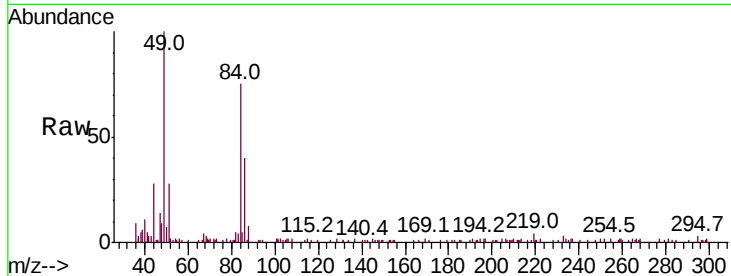




#16
Methvlene chloride
Concen: 0.551 ug/L
RT: 4.41 min Scan# 449
Delta R.T. -0.00 min
Lab File: VR026057.D
Acq: 12 Oct 2018 12:44

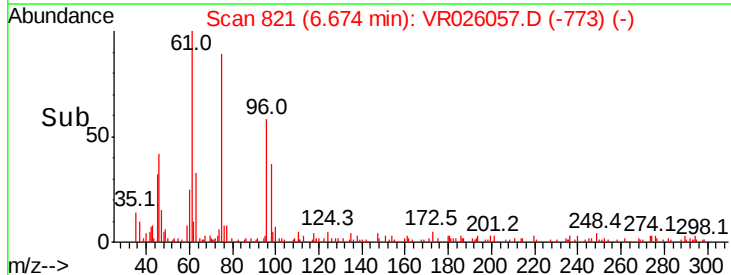
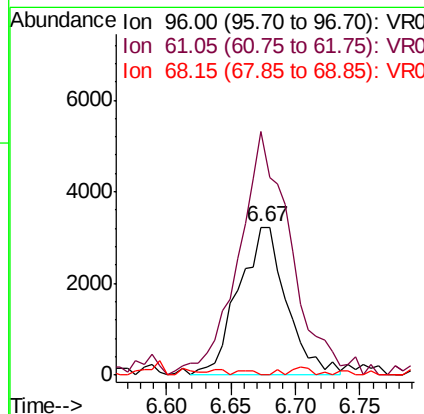
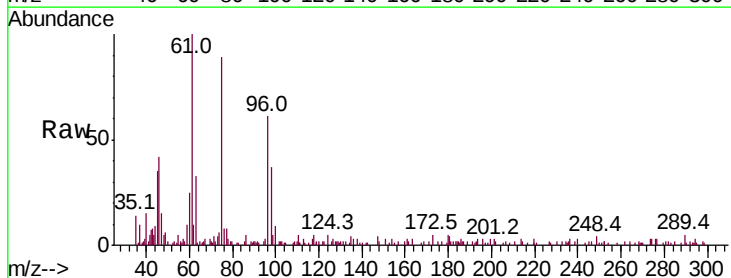
Instrument :
MSVOA_R
ClientSampleId :

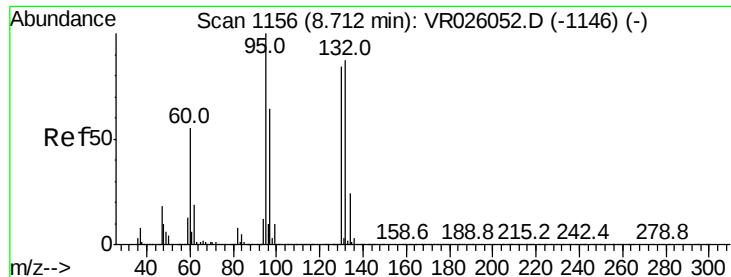
Tot Ion: 84 Resp: 19603
Ion Ratio Lower Upper
84 100
86 52.7 43.1 80.1
49 133.0 95.5 177.3



#22
cis-1,2-Dichloroethene
Concen: 0.260 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026057.D
Acq: 12 Oct 2018 12:44

Tgt Ion: 96 Resp: 8362
Ion Ratio Lower Upper
96 100
61 164.6 108.7 201.9
68 0.0 0.1 0.1#





#34

Trichloroethene

Concen: 0.329 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 12169

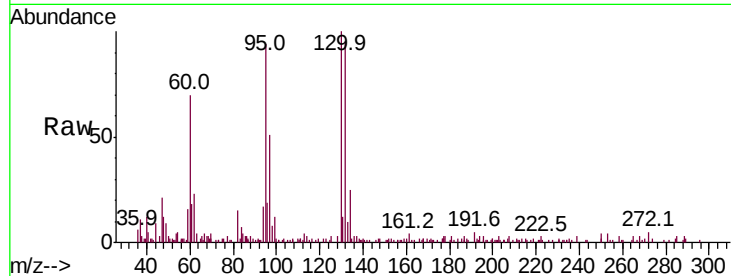
Ion Ratio Lower Upper

95 100

97 53.6 43.9 81.5

132 100.8 53.3 98.9#

130 106.1 53.8 99.8#

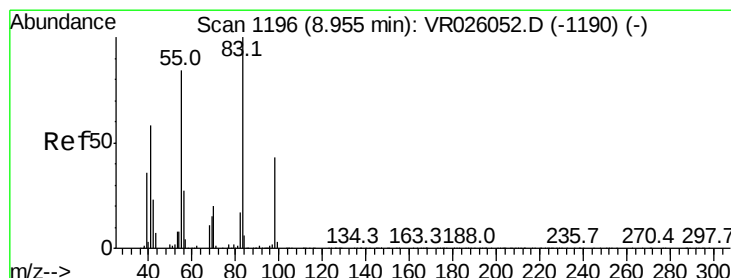
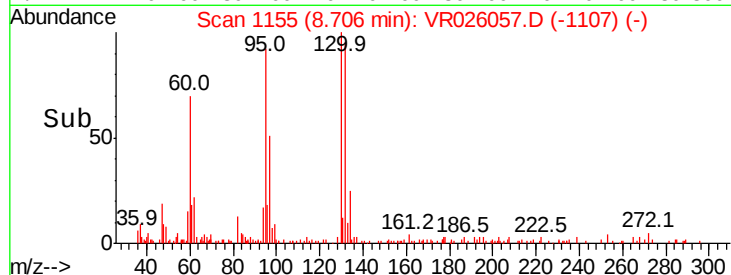
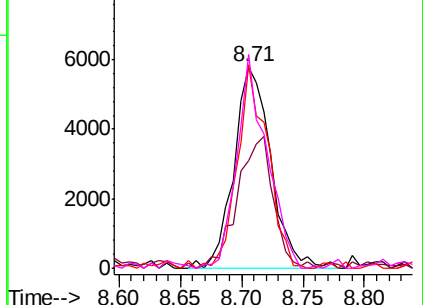


Abundance Ion 95.00 (94.70 to 95.70): VR0

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

Methylcyclohexane

Concen: 0.782 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

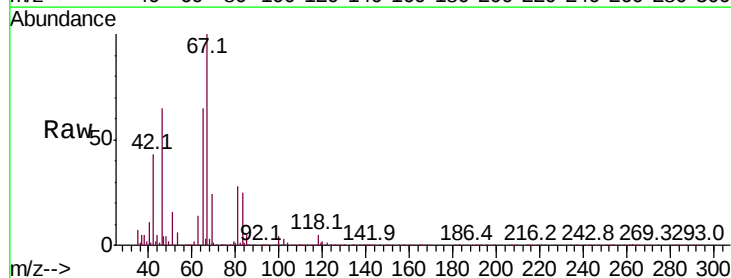
Tgt Ion: 83 Resp: 43486

Ion Ratio Lower Upper

83 100

55 1.0 71.8 107.6#

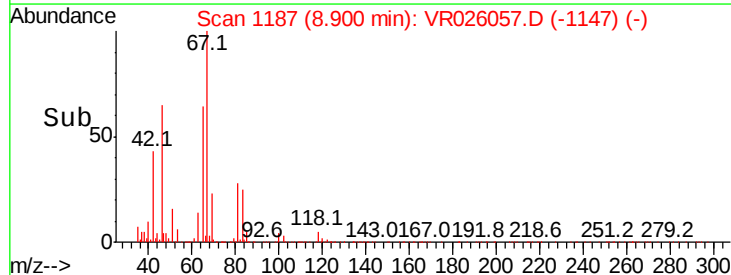
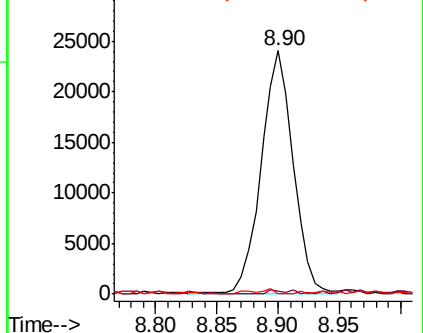
98 0.7 34.2 51.4#

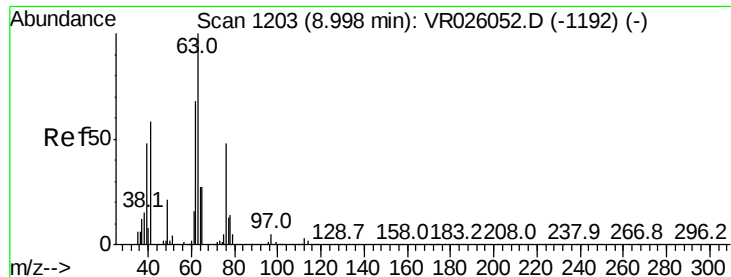


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.807 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.10 min

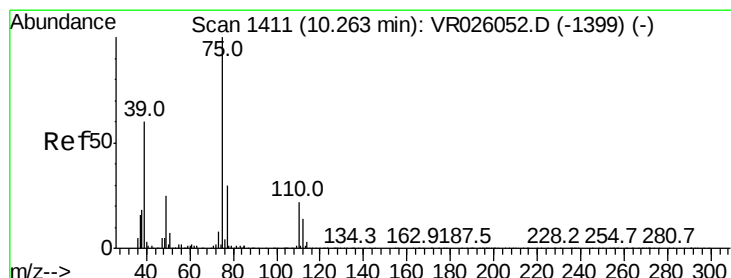
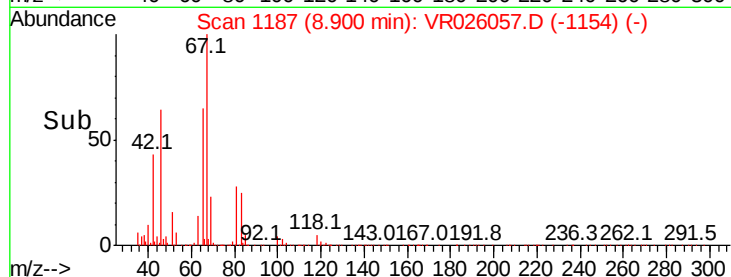
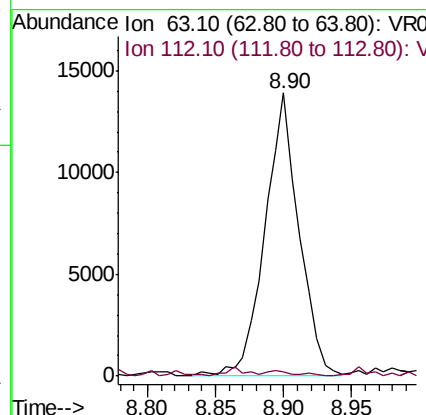
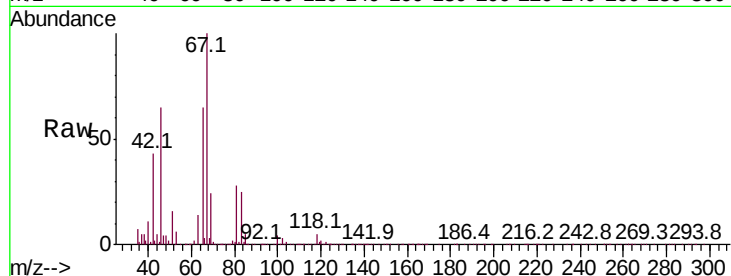
Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 24313

Ion	Ratio	Lower	Upper
63	100		
112	0.6	2.5	3.7#



#44

trans-1,3-Dichloropropene

Concen: 0.157 ug/L

RT: 10.24 min Scan# 1407

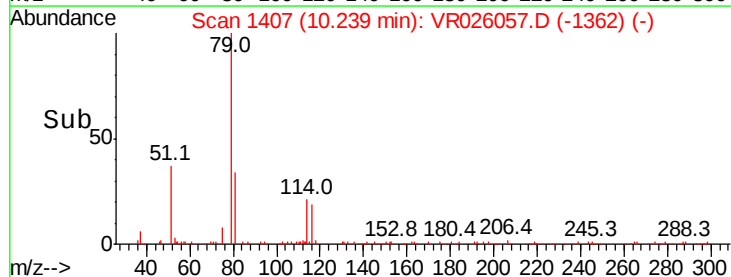
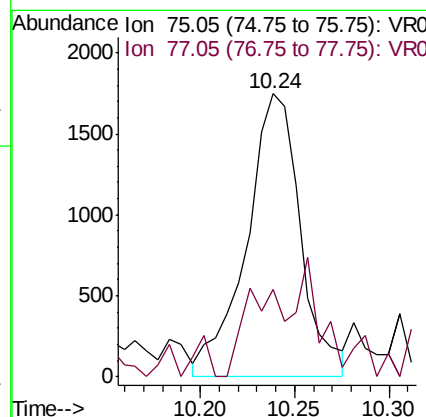
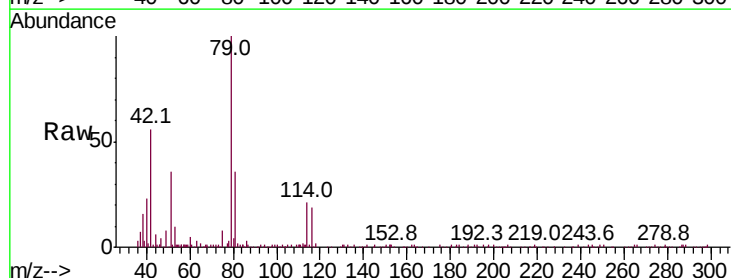
Delta R.T. -0.02 min

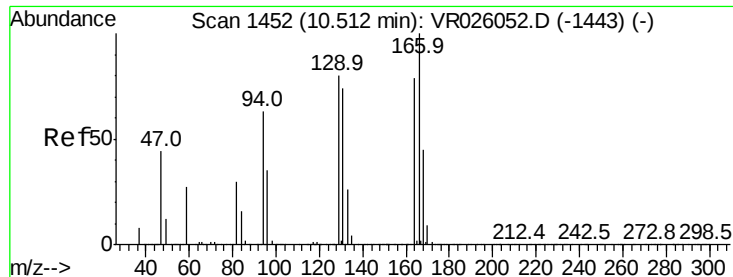
Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

Tgt Ion: 75 Resp: 3469

Ion	Ratio	Lower	Upper
75	100		
77	30.7	23.0	42.8





#47

Tetrachloroethene

Concen: 7.768 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026057.D

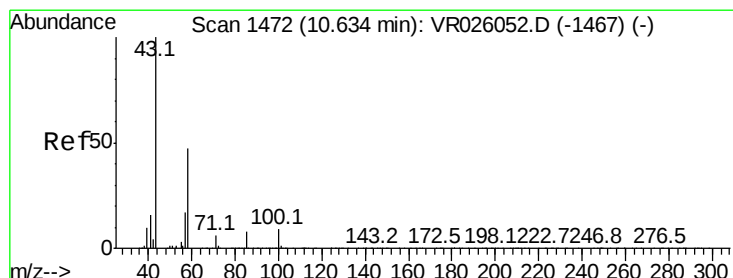
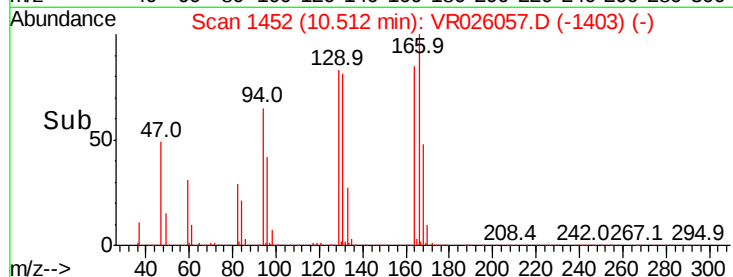
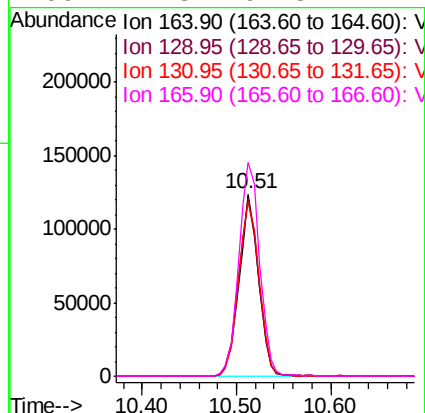
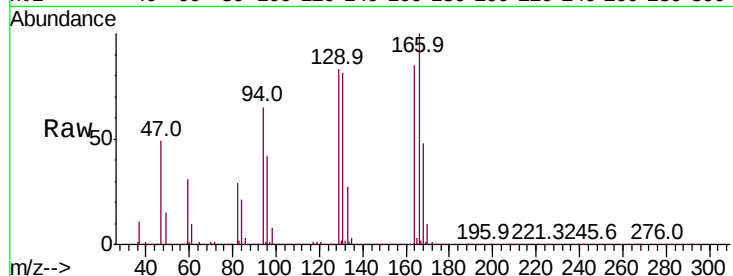
Acq: 12 Oct 2018 12:44

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	164	Resp:	177075
Ion	Ratio	Lower	Upper
164	100		
129	97.9	80.8	150.2
131	95.2	74.5	138.3
166	117.3	92.5	171.7



#48

2-Hexanone

Concen: 4.344 ug/L

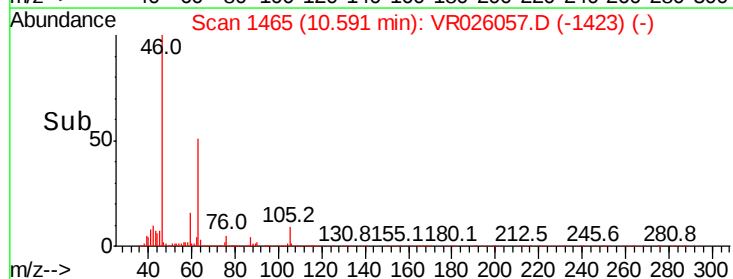
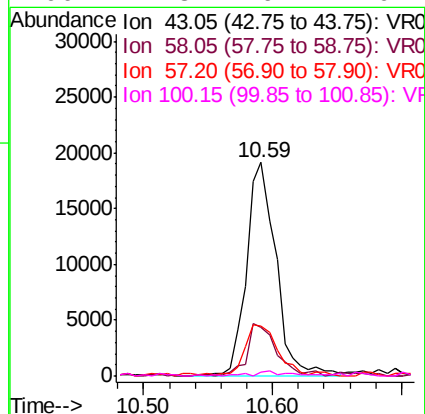
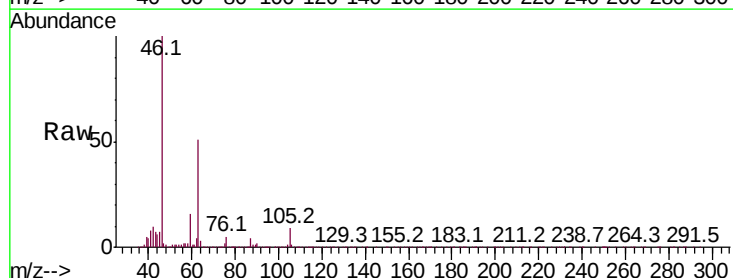
RT: 10.59 min Scan# 1465

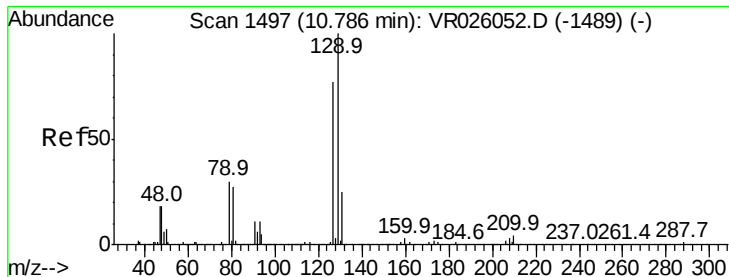
Delta R.T. -0.04 min

Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

Tgt Ion:	43	Resp:	30119
Ion	Ratio	Lower	Upper
43	100		
58	24.1	39.5	59.3#
57	25.8	14.6	21.8#
100	2.3	6.7	10.1#





#49

Dibromochloromethane

Concen: 10.682 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

Instrument :

MSVOA_R

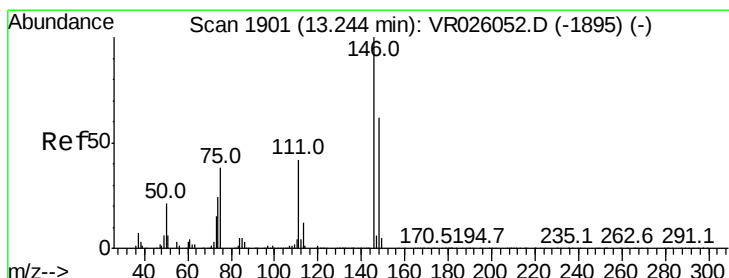
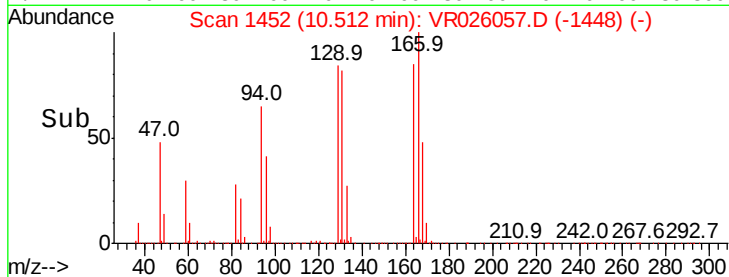
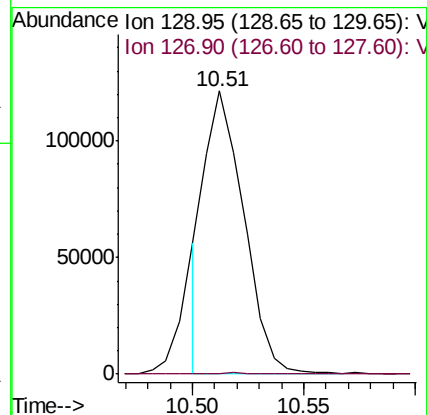
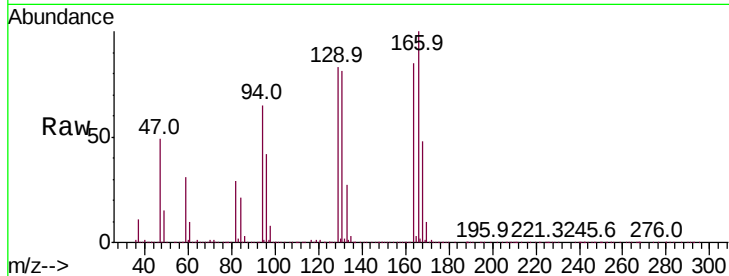
ClientSampleId :

Tot Ion:129 Resp: 147682

Ion Ratio Lower Upper

129 100

127 0.2 54.1 100.5#



#63

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR026057.D

Acq: 12 Oct 2018 12:44

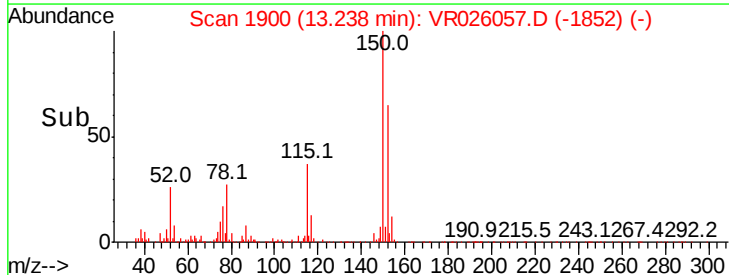
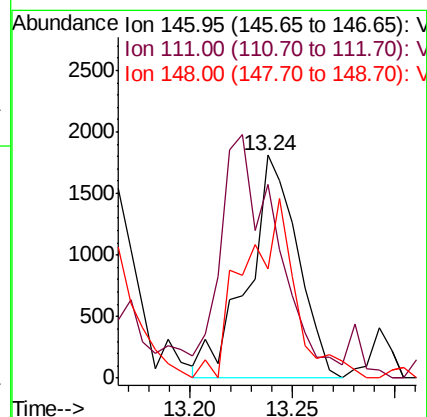
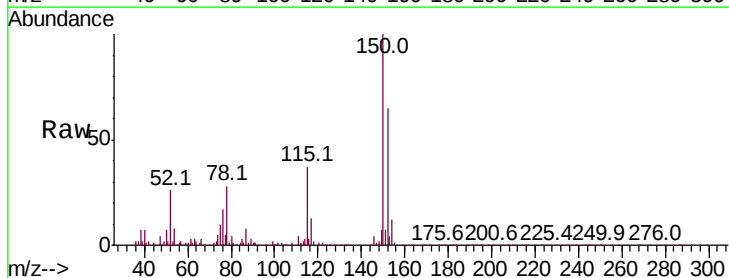
Tgt Ion:146 Resp: 3070

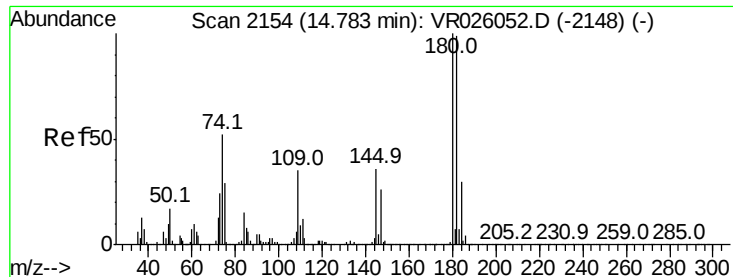
Ion Ratio Lower Upper

146 100

111 86.7 32.9 61.1#

148 49.0 45.5 84.5

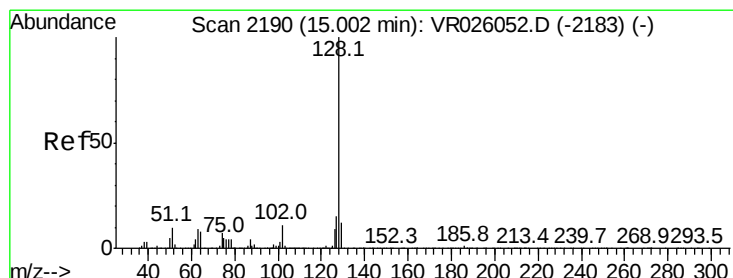
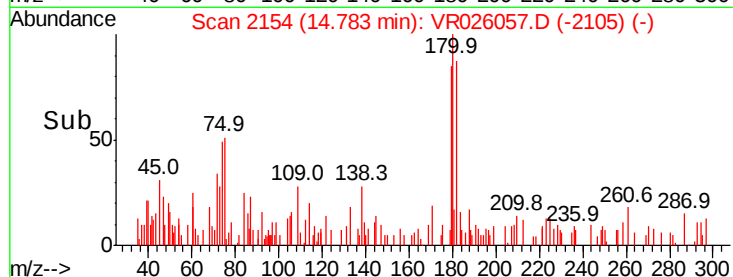
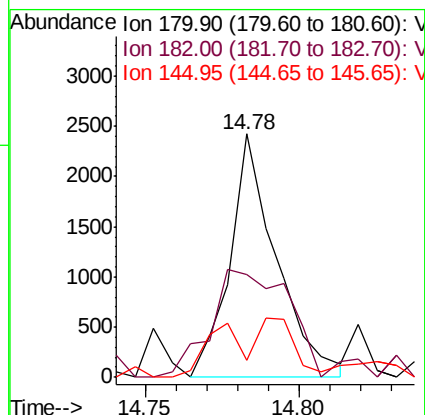
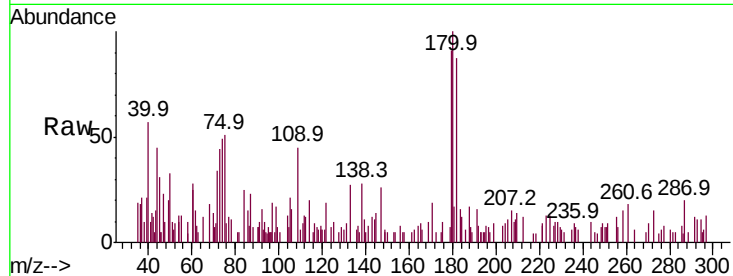




#68
 1,2,4-trichlorobenzene
 Concen: 0.160 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026057.D
 Acq: 12 Oct 2018 12:44

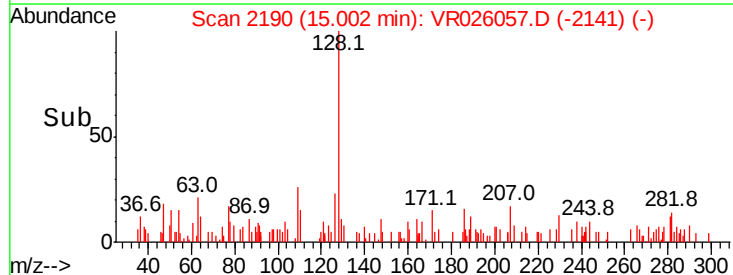
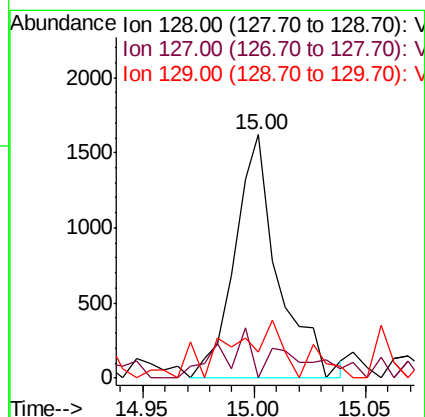
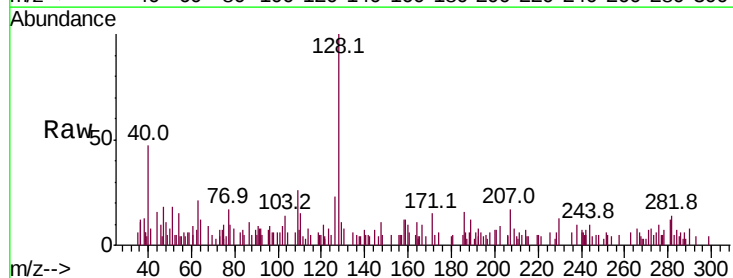
Instrument :
 MSVOA_R
 ClientSampleId :

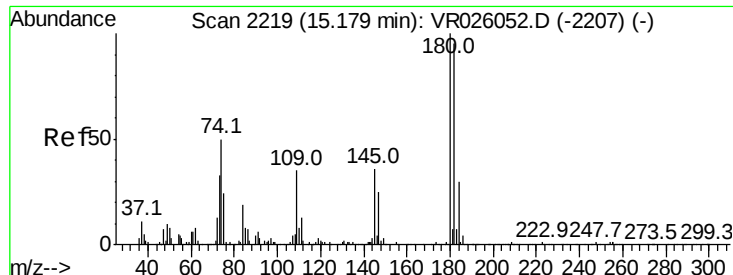
Tot Ion:180 Resp: 2552
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.2 112.8#
 145 19.1 30.5 45.7#



#69
 Naphthalene
 Concen: 0.108 ug/L
 RT: 15.00 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VR026057.D
 Acq: 12 Oct 2018 12:44

Tgt Ion:128 Resp: 2201
 Ion Ratio Lower Upper
 128 100
 127 7.8 10.5 15.7#
 129 30.0 9.4 14.2#

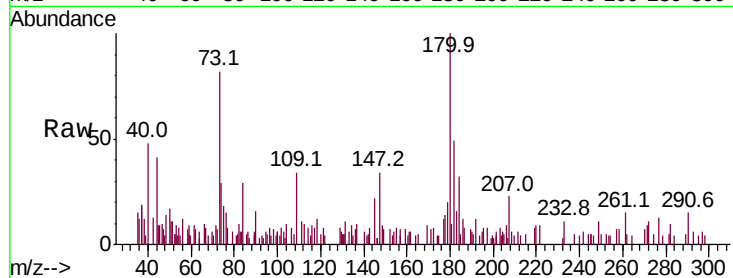




#70
 1,2,3-Trichlorobenzene
 Concen: 0.184 ug/L
 RT: 15.18 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VR026057.D
 Acq: 12 Oct 2018 12:44

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.0	74.7	112.1
145	39.5	31.3	46.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

