

Data File : VR026034.D
Acq On : 10 Oct 2018 17:46
Operator : SY/MD
Sample : J5379-09MSD
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H42A7MSD

Quant Time: Oct 11 04:16:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 11 04:11:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	429090	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	374481	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	130350	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	131411	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	2.63	69	129233	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	3.64	63	352598	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	6.59	46	201534	53.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.86%
24) Chloroform-d	7.20	84	251862	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	7.90	65	123116	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	7.85	84	461021	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.00%
36) 1,2-Dichloropropane-d6	8.90	67	142076	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	9.97	98	408785	3.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.80%#
43) trans-1,3-Dichloropropene-	10.24	79	33055	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	10.59	63	165938	57.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.16%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	64233	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	92266	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	3.64	96	196959	6.081	ug/L 81
13) Acetone	3.70	43	4642	1.698	ug/L 100
15) Methyl Acetate	4.20	43	774	0.102	ug/L # 73
18) trans-1,2-Dichloroethene	4.88	96	6515	0.243	ug/L # 51
22) cis-1,2-Dichloroethene	6.68	96	304179	11.284	ug/L 93
25) Chloroform	7.22	83	8525	0.165	ug/L 89
27) 1,2-Dichloroethane	7.91	62	6323	0.245	ug/L 99
29) 1,1,1-Trichloroethane	7.43	97	78330	1.860	ug/L 95
31) Carbon tetrachloride	7.44	117	9945	0.273	ug/L 99
33) Benzene	7.91	78	632660	5.037	ug/L 100
34) Trichloroethene	8.71	95	1479928	44.717	ug/L 91
35) Methylcyclohexane	8.90	83	33526	0.674	ug/L # 15
37) 1,2-Dichloropropane	8.90	63	18739	0.695	ug/L 100
42) Toluene	10.04	91	707831	5.423	ug/L 97
44) trans-1,3-Dichloropropene	10.23	75	2721	0.138	ug/L 90
48) 2-Hexanone	10.59	43	24212	3.903	ug/L # 74
51) Chlorobenzene	11.32	112	376460	5.438	ug/L 94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR101018\
Quantitation Report (Not Reviewed)

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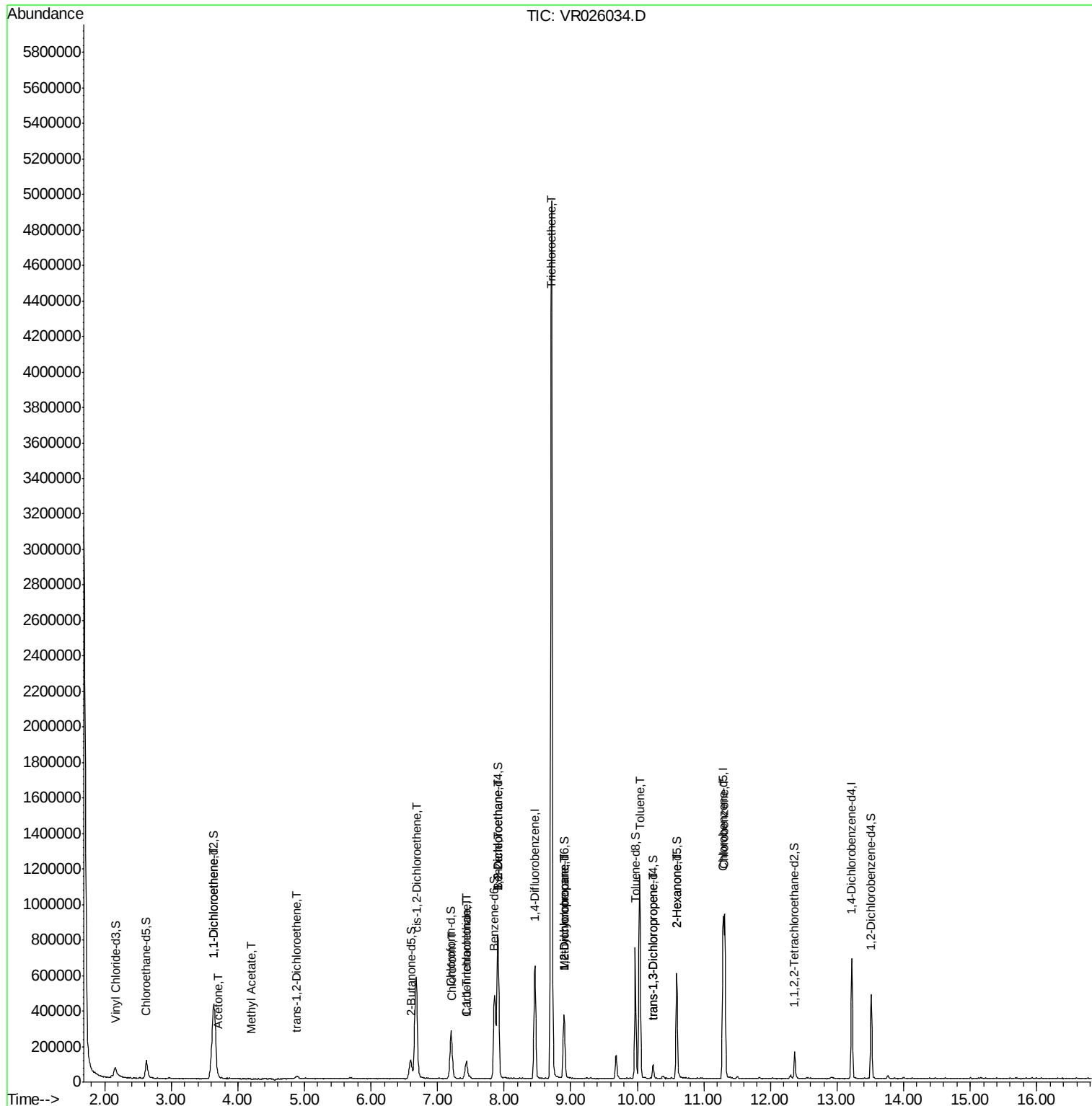
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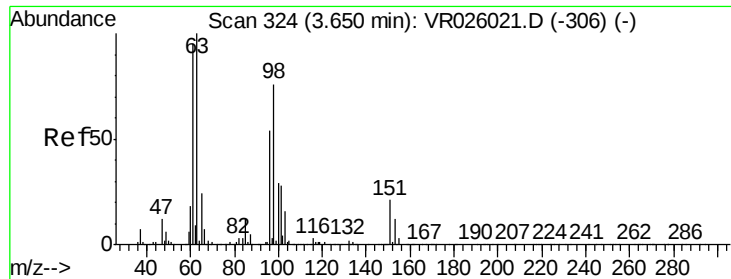
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 6.081 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR026034.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA_R

ClientSampleId :

H42A7MSD

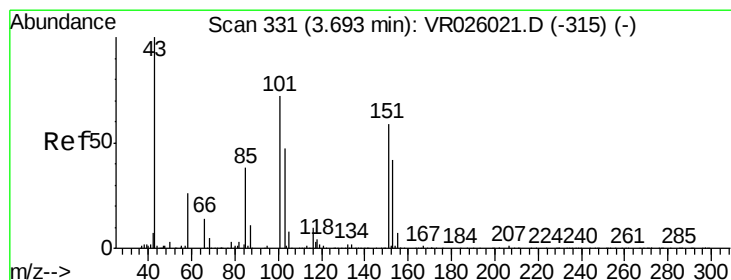
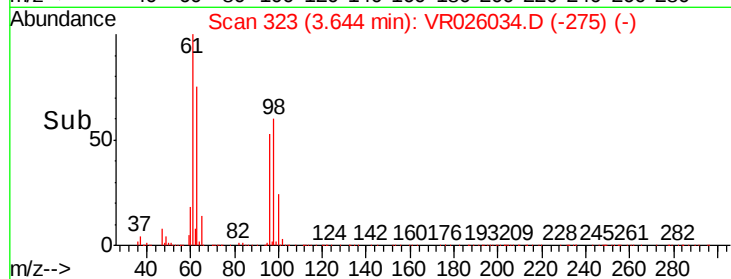
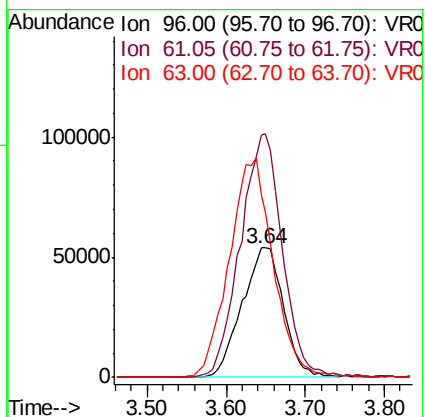
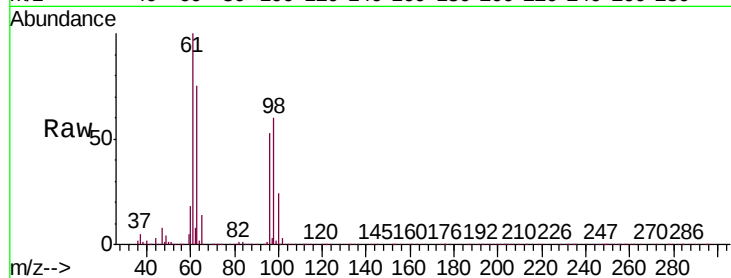
Tgt Ion: 96 Resp: 196959

Ion Ratio Lower Upper

96 100

61 187.2 145.0 269.4

63 140.7 123.8 230.0



#13

Acetone

Concen: 1.698 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026034.D

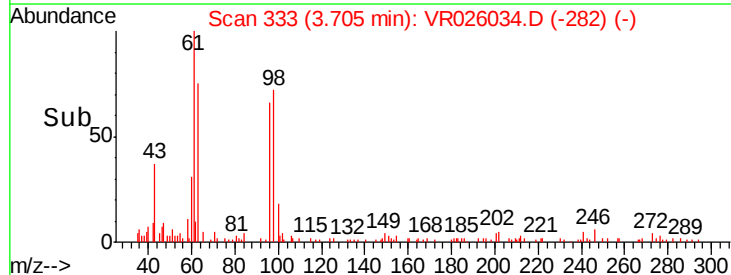
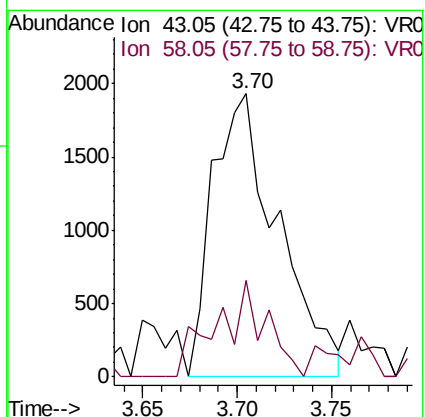
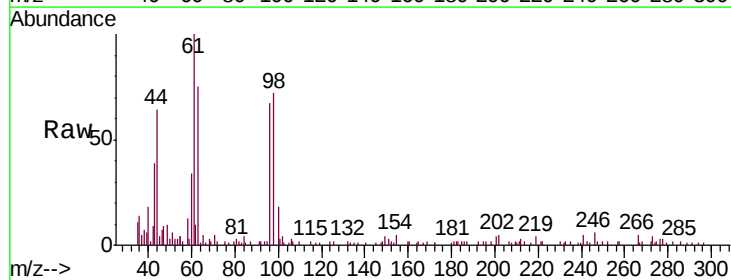
Acq: 10 Oct 2018 17:46

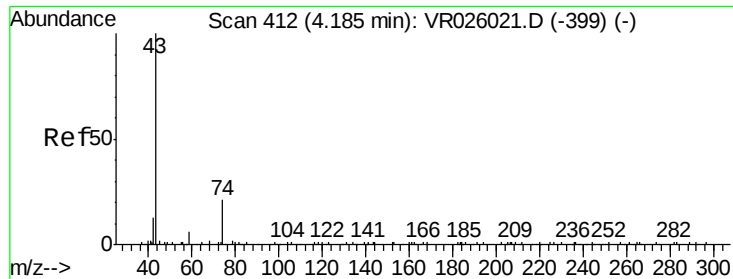
Tgt Ion: 43 Resp: 4642

Ion Ratio Lower Upper

43 100

58 25.7 0.0 51.4

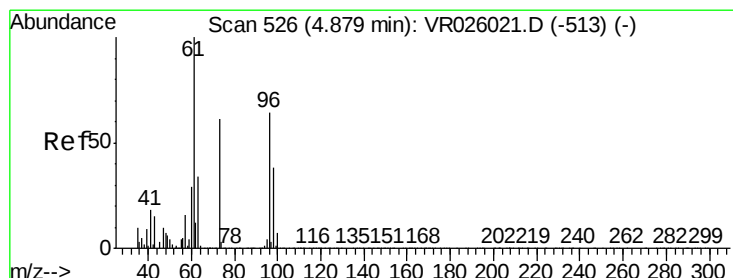
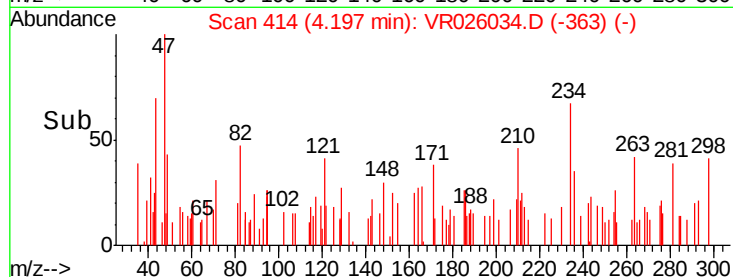
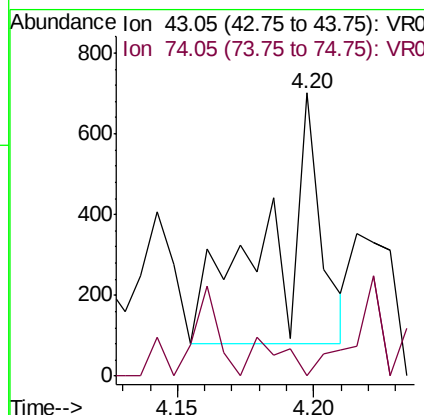
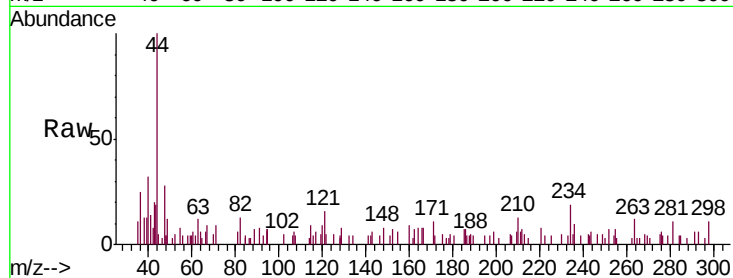




#15
Methyl Acetate
Concen: 0.102 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR026034.D
Acq: 10 Oct 2018 17:46

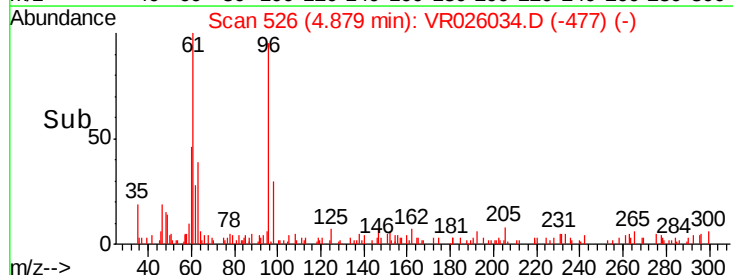
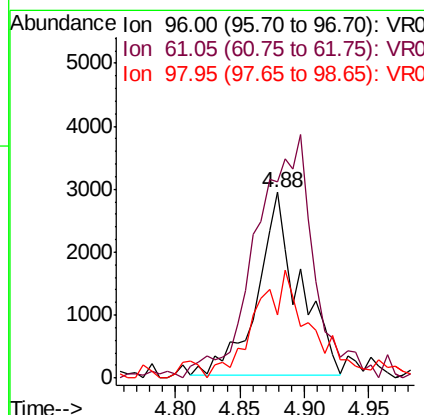
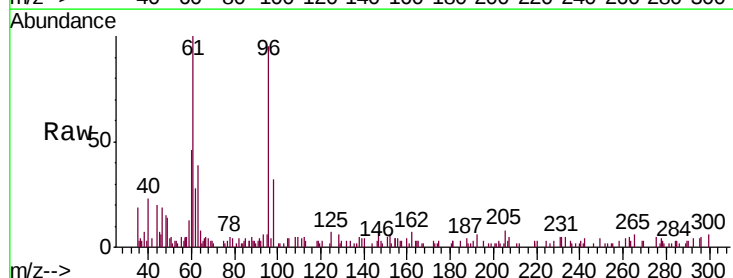
Instrument :
MSVOA_R
ClientSampleId :
H42A7MSD

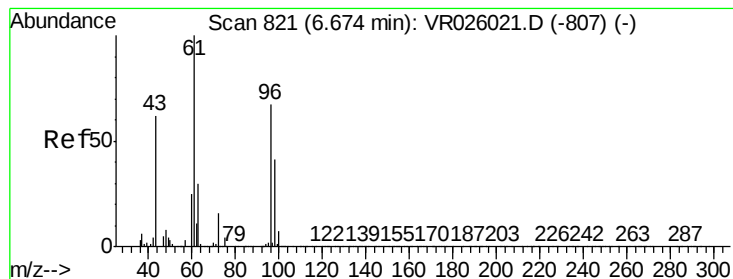
Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
74 10.2 19.0 28.4#



#18
trans-1,2-Dichloroethene
Concen: 0.243 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.00 min
Lab File: VR026034.D
Acq: 10 Oct 2018 17:46

Tgt Ion: 96 Resp: 6515
Ion Ratio Lower Upper
96 100
61 105.8 127.4 236.6#
98 33.9 43.8 81.3#





#22

cis-1,2-Dichloroethene

Concen: 11.284 ug/L

RT: 6.68 min Scan# 822

Delta R.T. 0.01 min

Lab File: VR026034.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA_R

ClientSampleId :

H42A7MSD

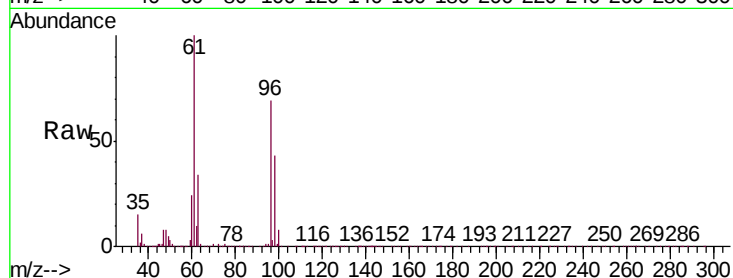
Tgt Ion: 96 Resp: 304179

Ion Ratio Lower Upper

96 100

61 145.6 108.7 201.9

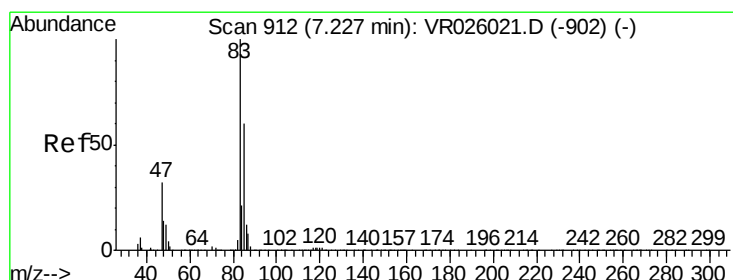
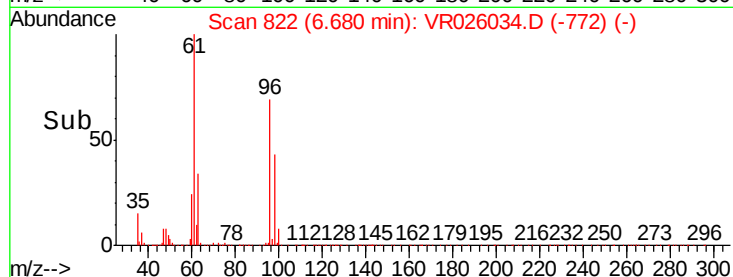
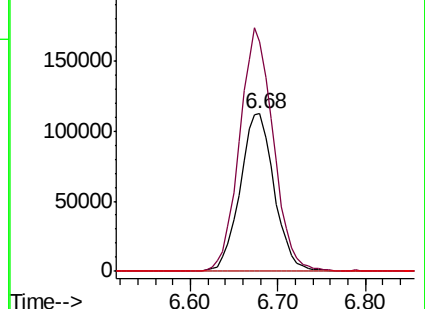
68 0.1 0.1 0.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



#25

Chloroform

Concen: 0.165 ug/L

RT: 7.22 min Scan# 911

Delta R.T. -0.01 min

Lab File: VR026034.D

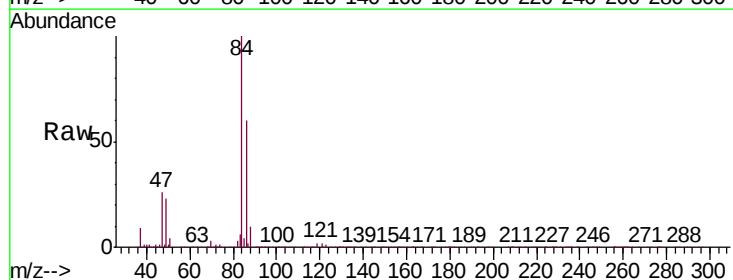
Acq: 10 Oct 2018 17:46

Tgt Ion: 83 Resp: 8525

Ion Ratio Lower Upper

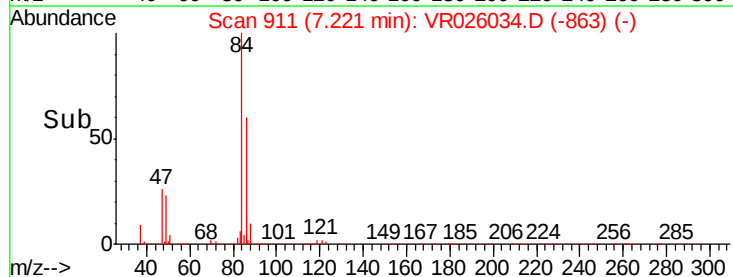
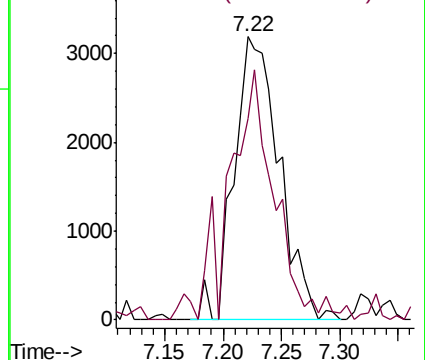
83 100

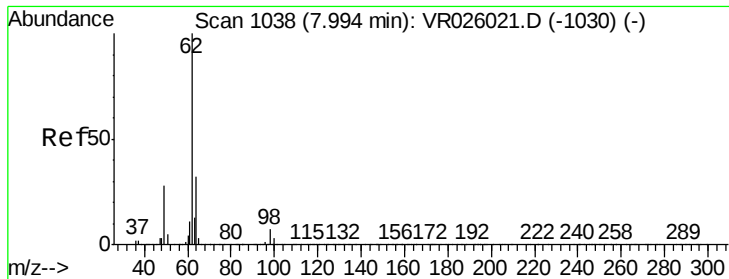
85 71.1 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

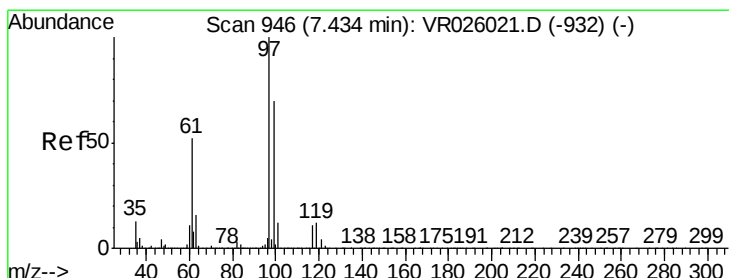
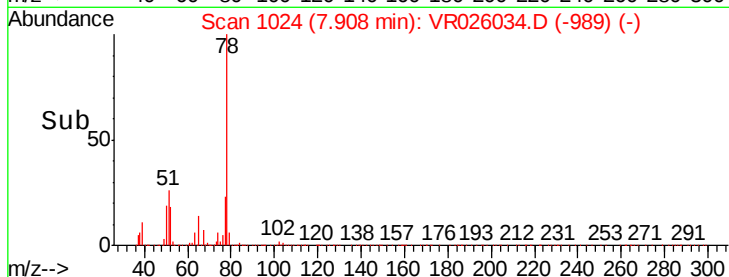
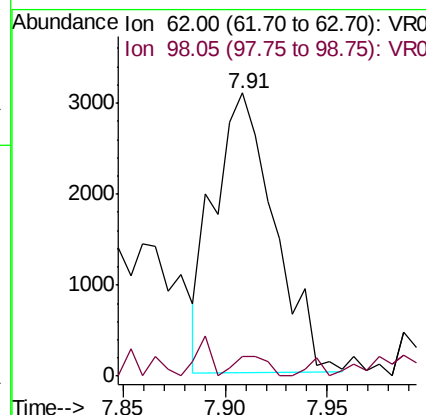
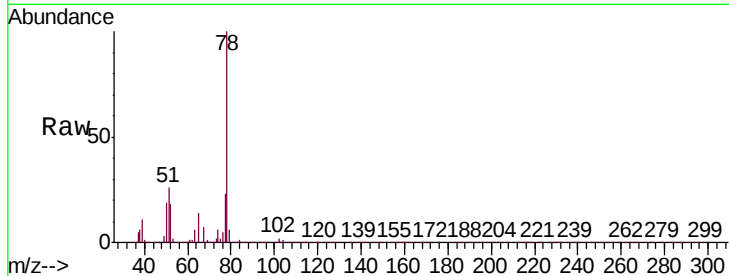




#27
 1,2-Dichloroethane
 Concen: 0.245 ug/L
 RT: 7.91 min Scan# 1024
 Delta R.T. -0.09 min
 Lab File: VR026034.D
 Acq: 10 Oct 2018 17:46

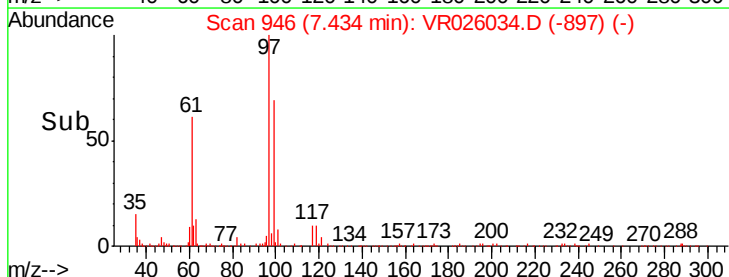
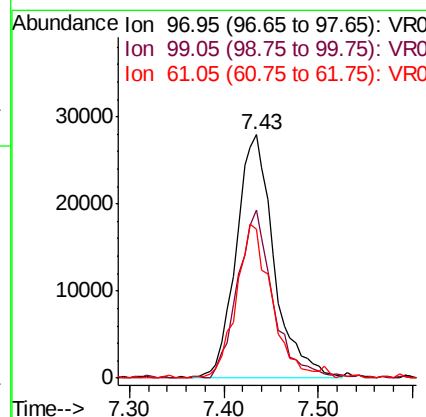
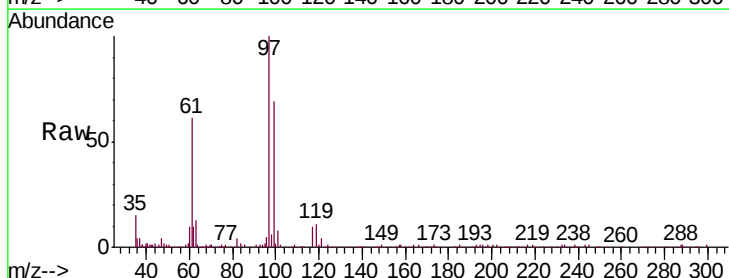
Instrument :
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 ClientSampleId :
 H42A7MSD

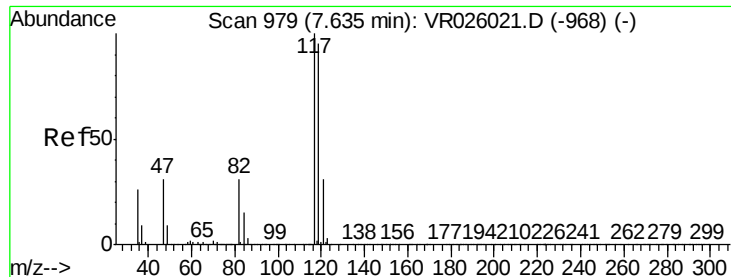
Tgt Ion: 62 Resp: 6323
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.2 7.8



#29
 1,1,1-Trichloroethane
 Concen: 1.860 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VR026034.D
 Acq: 10 Oct 2018 17:46

Tgt Ion: 97 Resp: 78330
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.6
 61 59.3 41.6 62.4





#31

Carbon tetrachloride

Concen: 0.273 ug/L

RT: 7.44 min Scan# 947

Delta R.T. -0.19 min

Lab File: VR026034.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA_R

ClientSampleId :

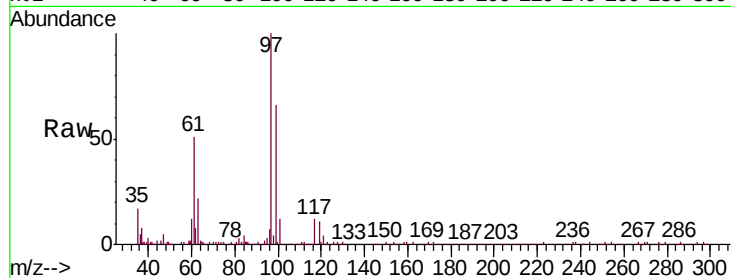
H42A7MSD

Tgt Ion:117 Resp: 9945

Ion Ratio Lower Upper

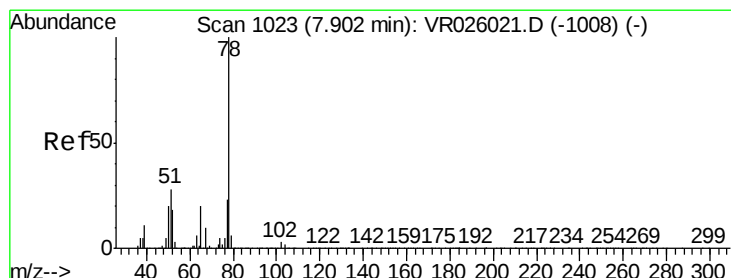
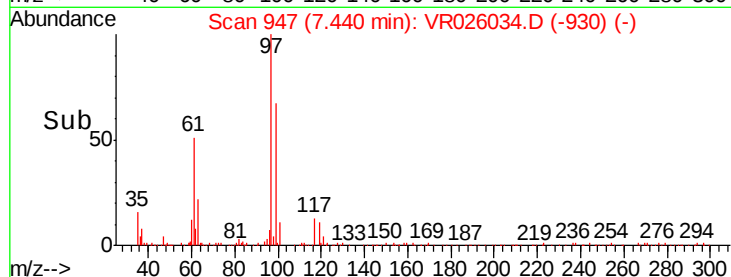
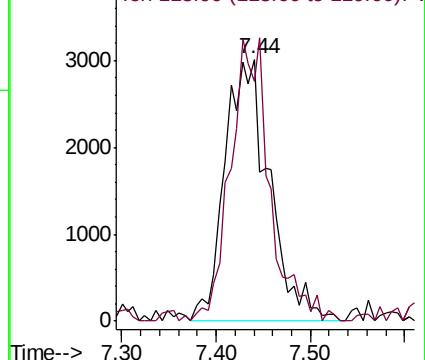
117 100

119 95.1 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.037 ug/L

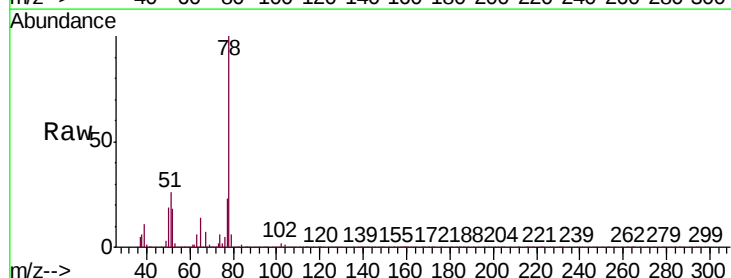
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

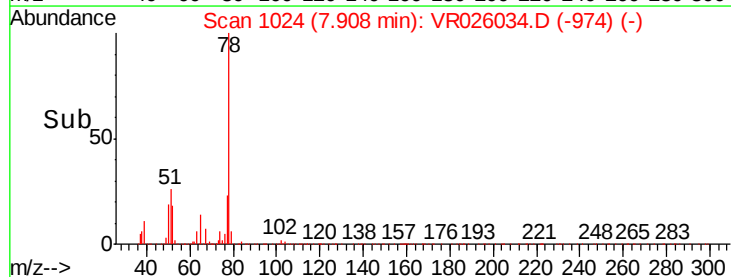
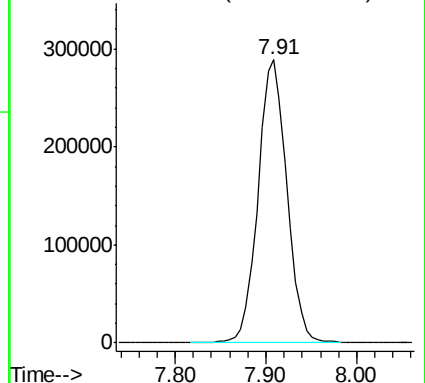
Lab File: VR026034.D

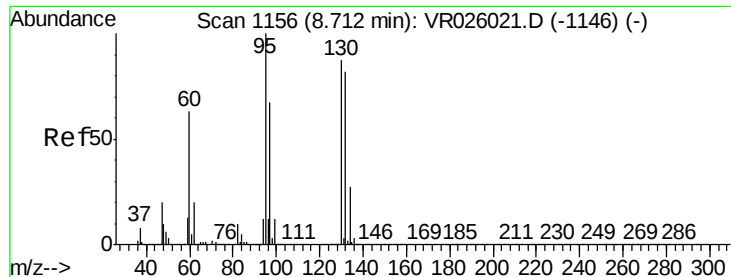
Acq: 10 Oct 2018 17:46

Tgt Ion: 78 Resp: 632660



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 44.717 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026034.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA_R

ClientSampleId :

H42A7MSD

Tgt Ion: 95 Resp: 1479928

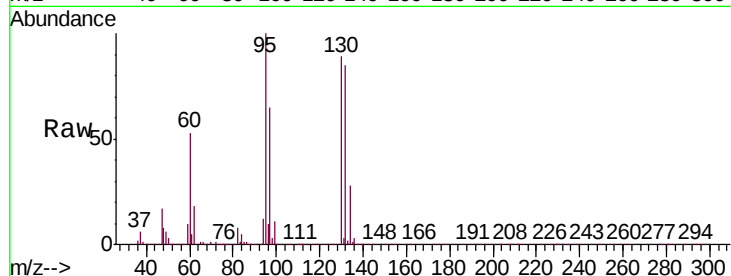
Ion Ratio Lower Upper

95 100

97 64.6 43.9 81.5

132 85.3 53.3 98.9

130 88.8 53.8 99.8

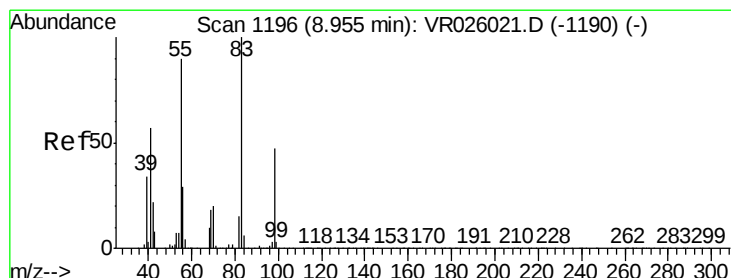
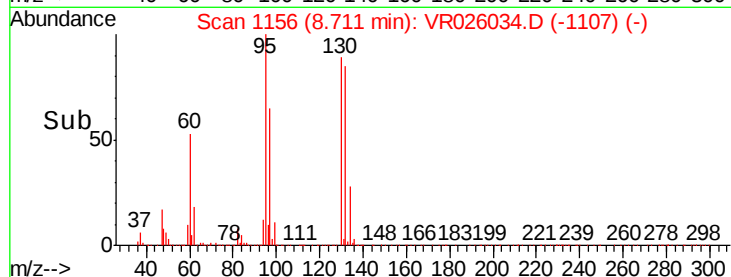
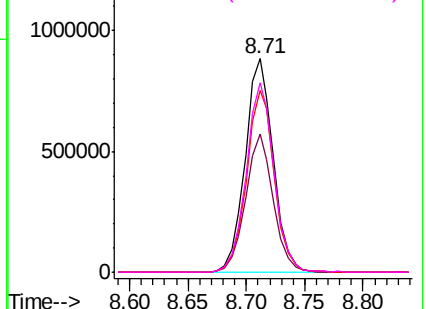


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.674 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026034.D

Acq: 10 Oct 2018 17:46

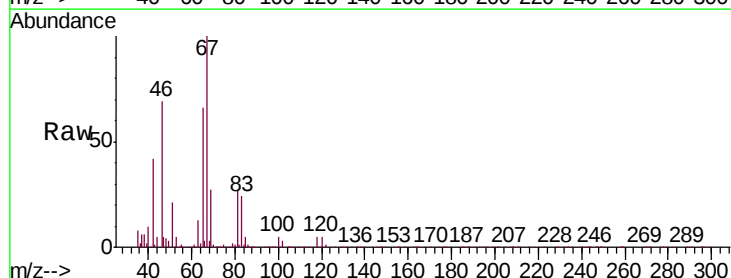
Tgt Ion: 83 Resp: 33526

Ion Ratio Lower Upper

83 100

55 1.7 71.8 107.6#

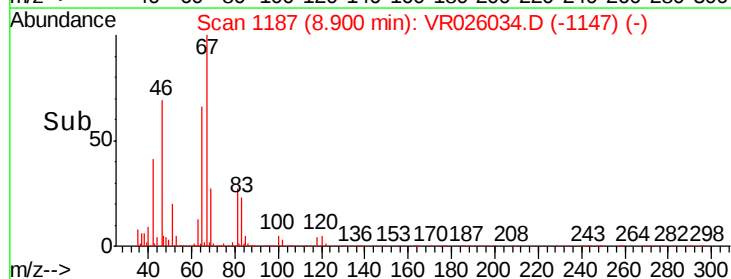
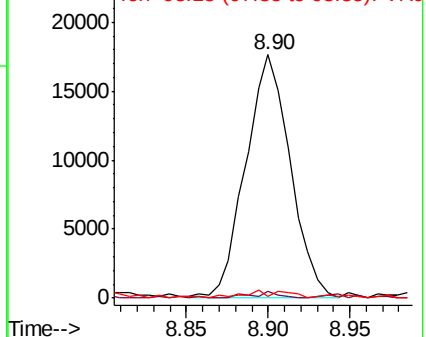
98 0.0 34.2 51.4#

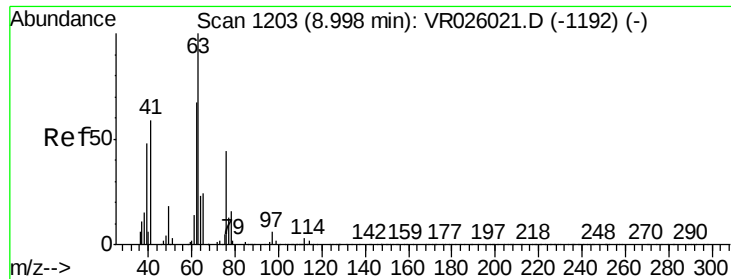


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

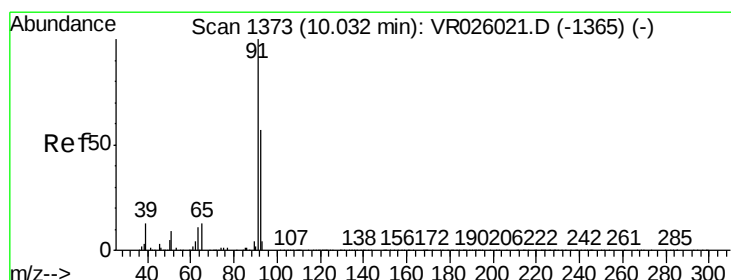
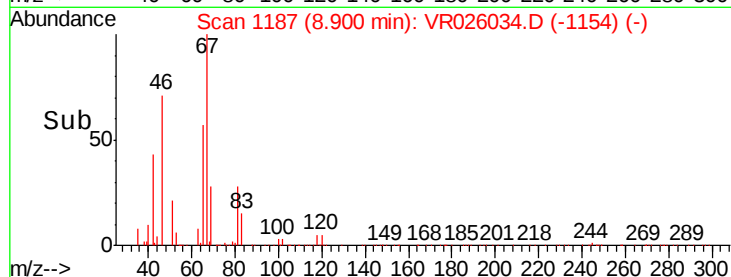
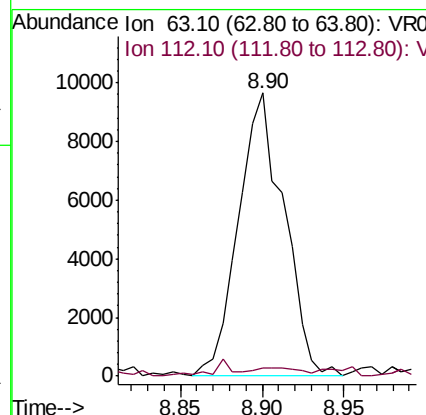
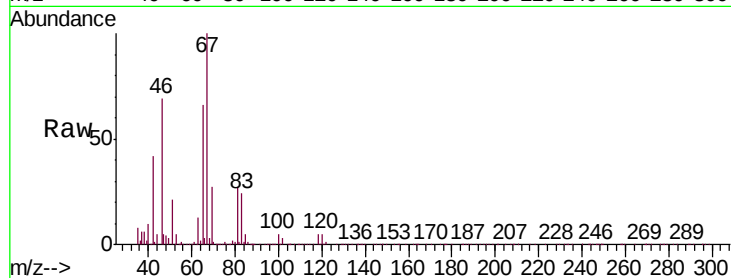




#37
 1,2-Dichloropropane
 Concen: 0.695 ug/L
 RT: 8.90 min Scan# 1187
 Delta R.T. -0.10 min
 Lab File: VR026034.D
 Acq: 10 Oct 2018 17:46

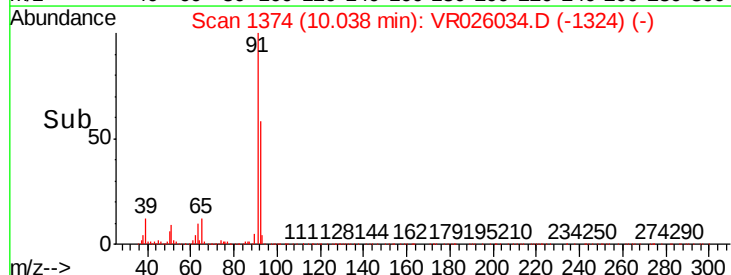
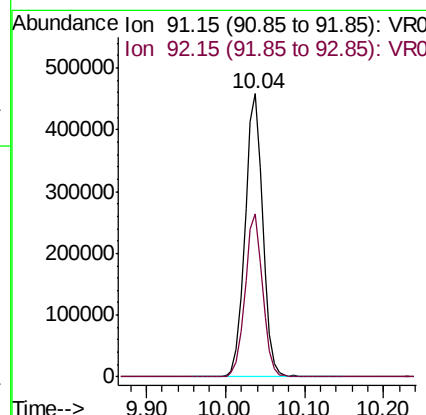
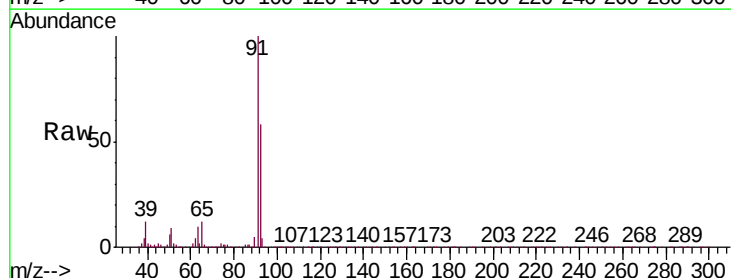
Instrument :
 MSVOA_R
 ClientSampled :
 H42A7MSD

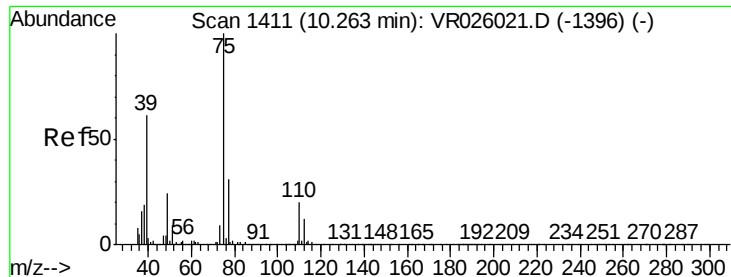
Tgt Ion: 63 Resp: 18739
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.5 3.7



#42
 Toluene
 Concen: 5.423 ug/L
 RT: 10.04 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VR026034.D
 Acq: 10 Oct 2018 17:46

Tgt Ion: 91 Resp: 707831
 Ion Ratio Lower Upper
 91 100
 92 57.6 41.8 77.6

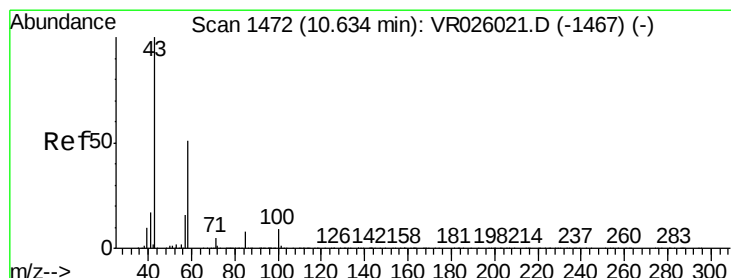
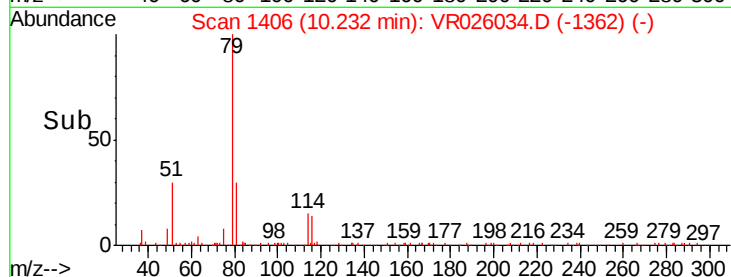
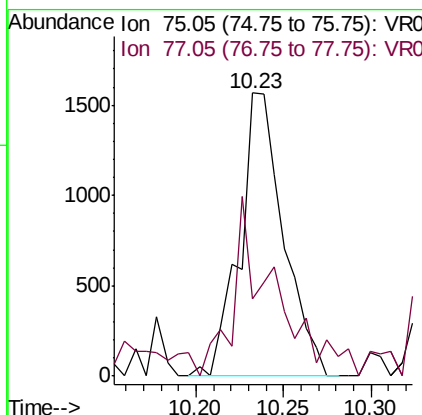
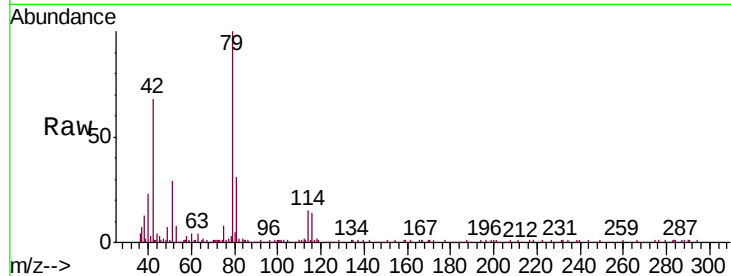




#44
trans-1,3-Dichloropropene
Concen: 0.138 ug/L
RT: 10.23 min Scan# 1406
Delta R.T. -0.03 min
Lab File: VR026034.D
Acq: 10 Oct 2018 17:46

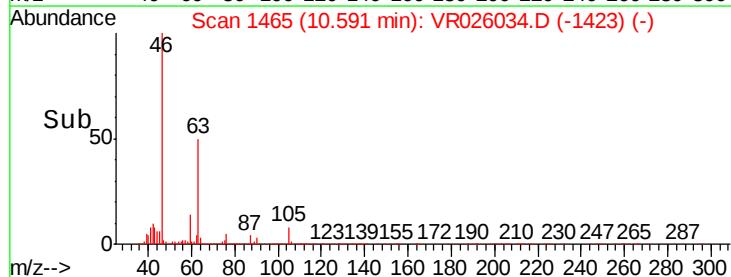
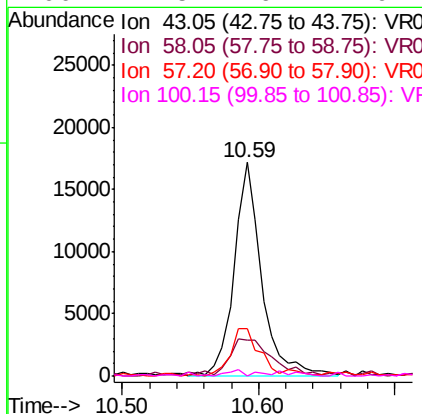
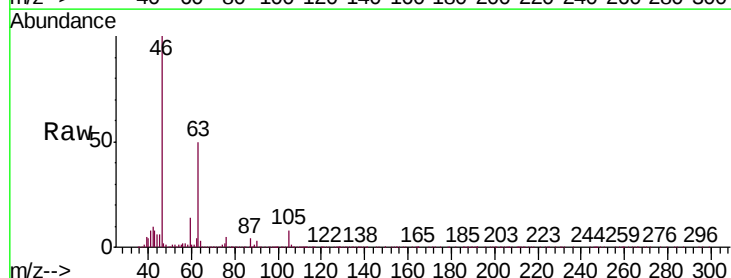
Instrument :
MSVOA_R
ClientSampleId :
H42A7MSD

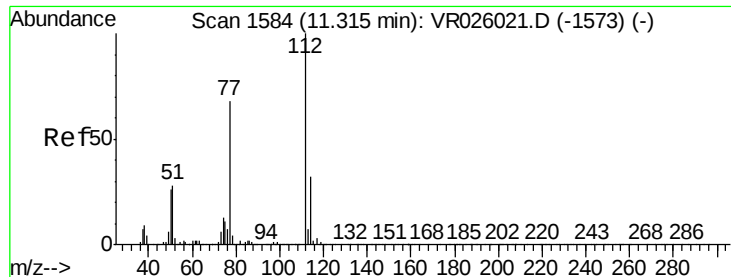
Tgt Ion: 75 Resp: 2721
Ion Ratio Lower Upper
75 100
77 27.3 23.0 42.8



#48
2-Hexanone
Concen: 3.903 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026034.D
Acq: 10 Oct 2018 17:46

Tgt Ion: 43 Resp: 24212
Ion Ratio Lower Upper
43 100
58 26.2 39.5 59.3#
57 21.2 14.6 21.8
100 1.5 6.7 10.1#





#51

Chlorobenzene

Concen: 5.438 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR026034.D

Acq: 10 Oct 2018 17:46

Instrument :

MSVOA_R

ClientSampleId :

H42A7MSD

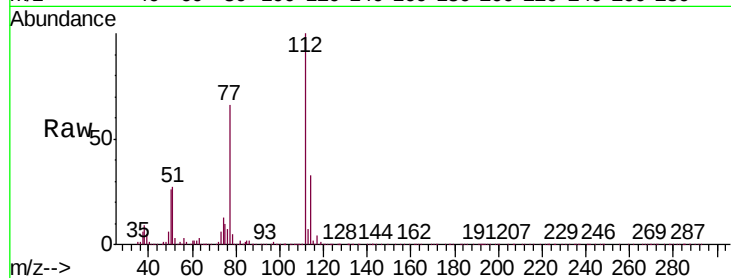
Tgt Ion:112 Resp: 376460

Ion Ratio Lower Upper

112 100

114 32.7 22.7 42.3

77 65.9 58.5 87.7



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0

