

Data File : VR026033.D
Acq On : 10 Oct 2018 17:13
Operator : SY/MD
Sample : J5379-08MS
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H42A7MS

Quant Time: Oct 11 04:16:00 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	434365	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	389109	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	135634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	137228	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	2.63	69	134414	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	3.63	63	366528	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	6.60	46	212369	55.61	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.22%
24) Chloroform-d	7.20	84	261247	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	7.90	65	128892	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	7.85	84	489154	3.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.60%
36) 1,2-Dichloropropane-d6	8.90	67	152505	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	9.97	98	432267	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.00%
43) trans-1,3-Dichloropropene-	10.24	79	34253	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	10.59	63	169881	56.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.46%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	69403	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	98424	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

					Qvalue
3) Chloromethane	2.01	50	6196	0.165 ug/L	87
12) 1,1-Dichloroethene	3.64	96	195351	5.958 ug/L	84
13) Acetone	3.70	43	9872	3.567 ug/L	96
18) trans-1,2-Dichloroethene	4.89	96	6600	0.243 ug/L #	77
19) 1,1-Dichloroethane	5.69	63	7170	0.134 ug/L	95
22) cis-1,2-Dichloroethene	6.67	96	305338	11.190 ug/L #	95
25) Chloroform	7.24	83	7939	0.152 ug/L	95
27) 1,2-Dichloroethane	7.86	62	2581	0.099 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	83549	1.909 ug/L	97
31) Carbon tetrachloride	7.43	117	9399	0.248 ug/L	99
33) Benzene	7.91	78	633789	4.856 ug/L	100
34) Trichloroethene	8.71	95	1509406	43.893 ug/L	89
35) Methylcyclohexane	8.90	83	35833	0.693 ug/L #	15
37) 1,2-Dichloropropane	8.90	63	19754	0.706 ug/L #	97
42) Toluene	10.04	91	700710	5.167 ug/L	96
44) trans-1,3-Dichloropropene	10.24	75	2385	0.116 ug/L	94
48) 2-Hexanone	10.59	43	26105	4.050 ug/L #	71

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 11 04:11:41 2018
Response via : Initial Calibration

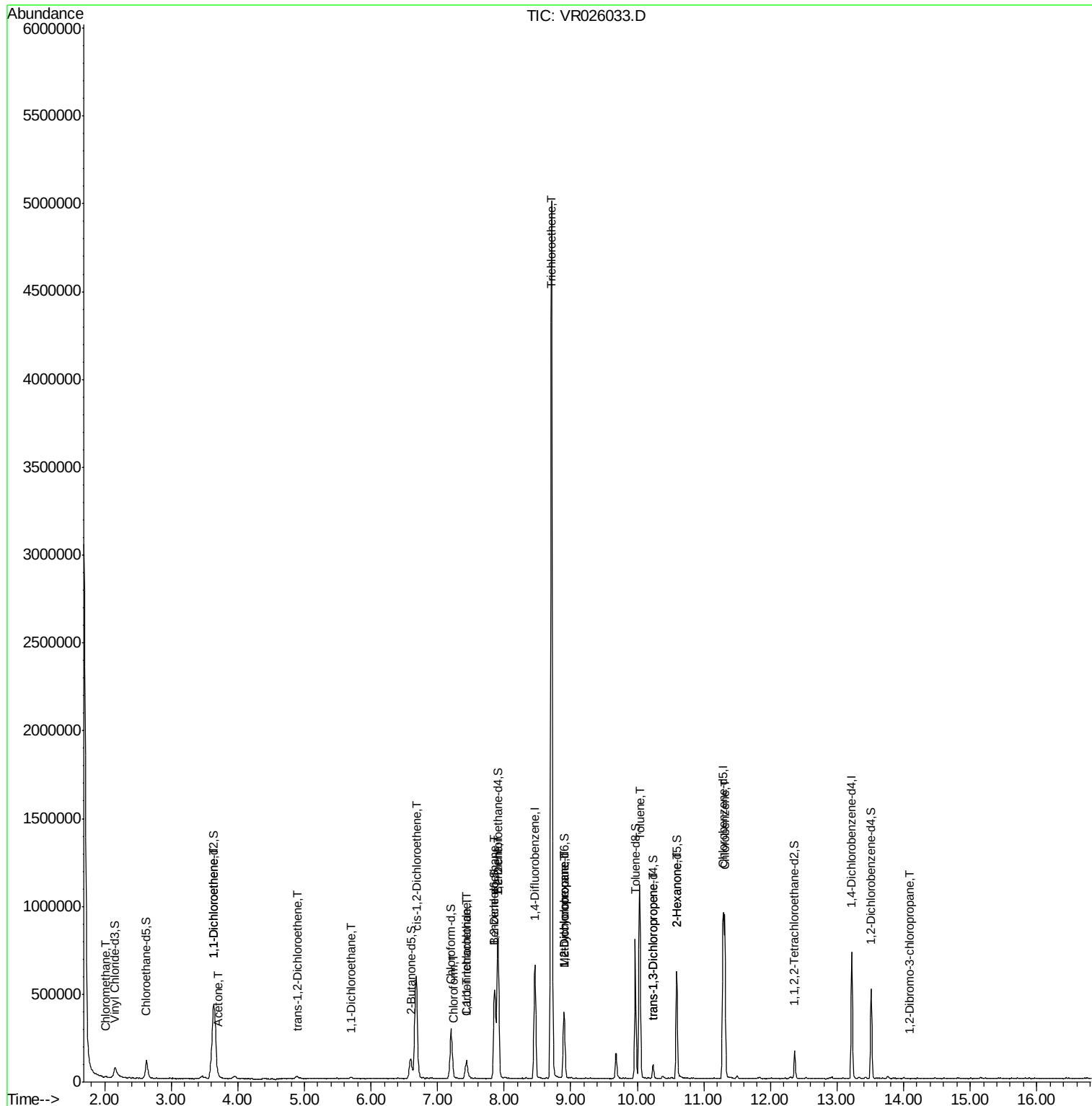
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	11.32	112	370142	5.145	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.10	75	256	0.191	ug/L	87

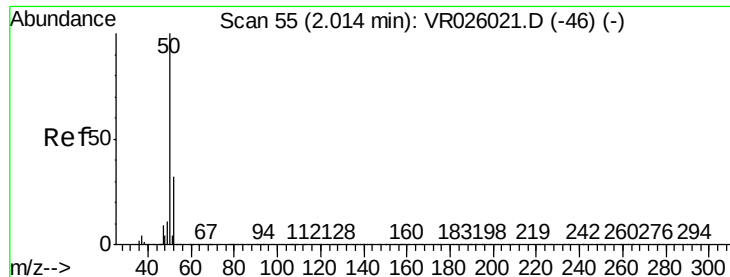
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.165 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR026033.D

Acq: 10 Oct 2018 17:13

Instrument :

MSVOA_R

ClientSampleId :

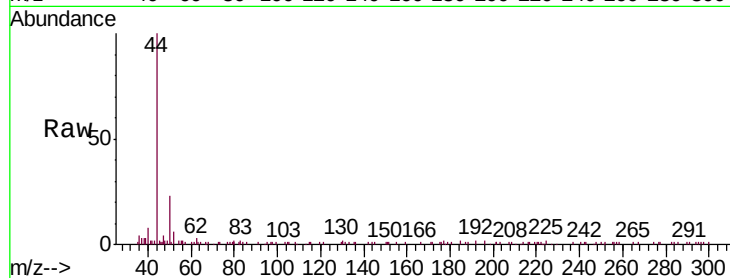
H42A7MS

Tgt Ion: 50 Resp: 6196

Ion Ratio Lower Upper

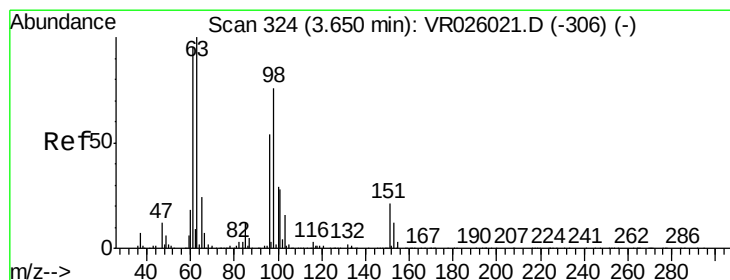
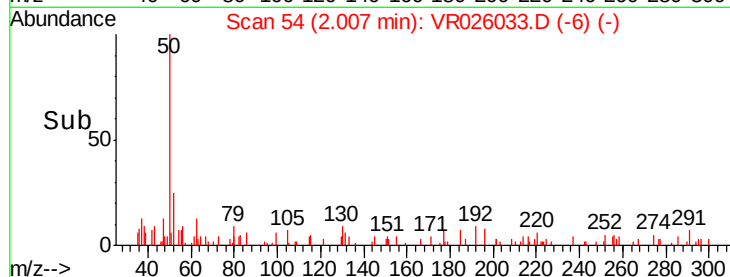
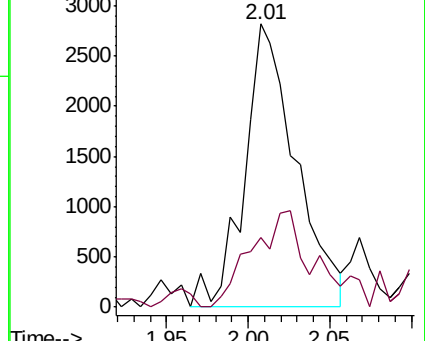
50 100

52 24.5 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0



#12

1,1-Dichloroethene

Concen: 5.958 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR026033.D

Acq: 10 Oct 2018 17:13

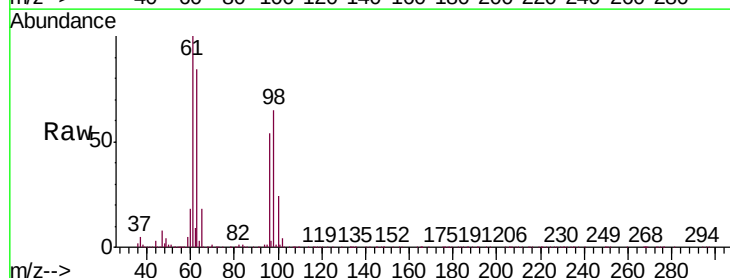
Tgt Ion: 96 Resp: 195351

Ion Ratio Lower Upper

96 100

61 183.9 145.0 269.4

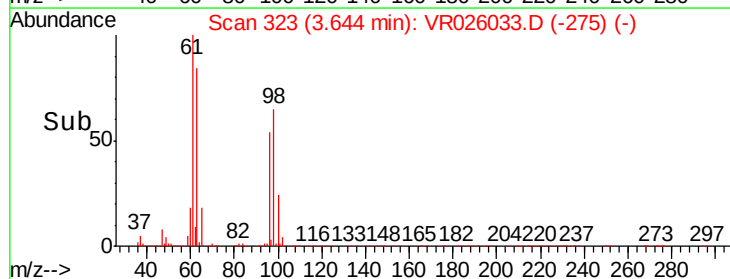
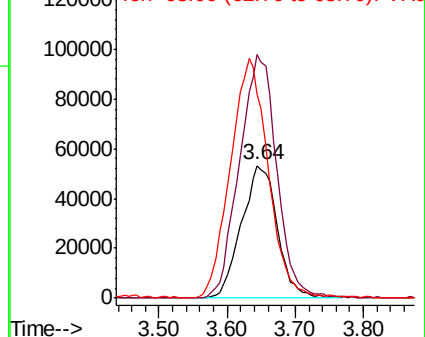
63 154.1 123.8 230.0

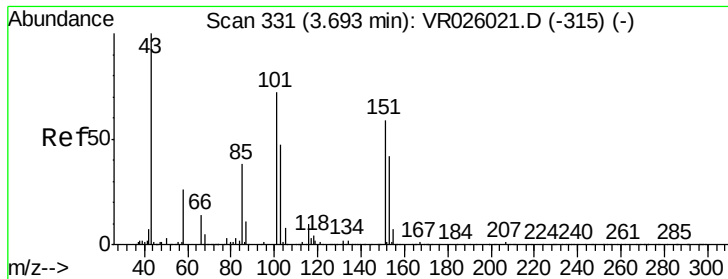


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

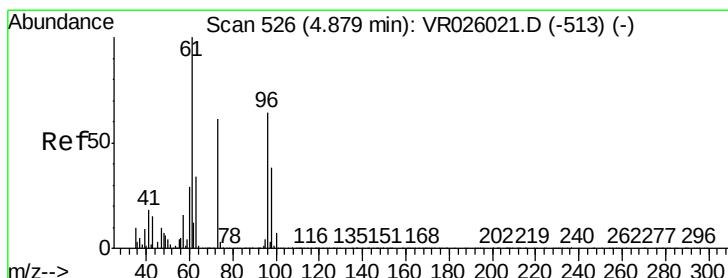
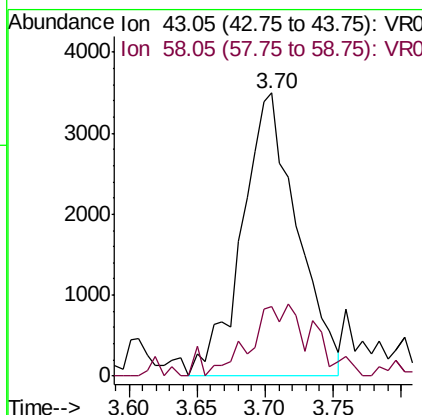
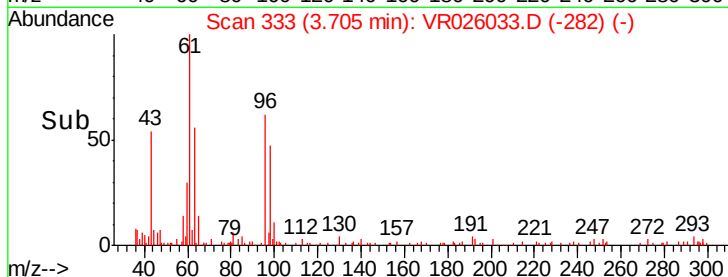
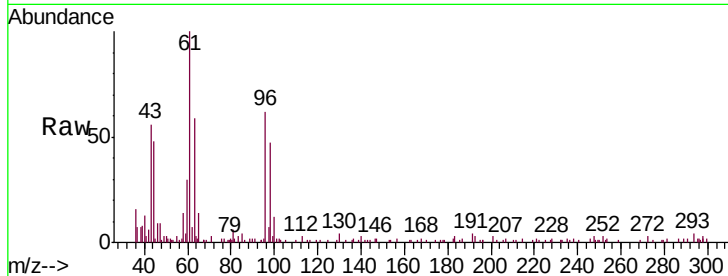




#13
Acetone
Concen: 3.567 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.01 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

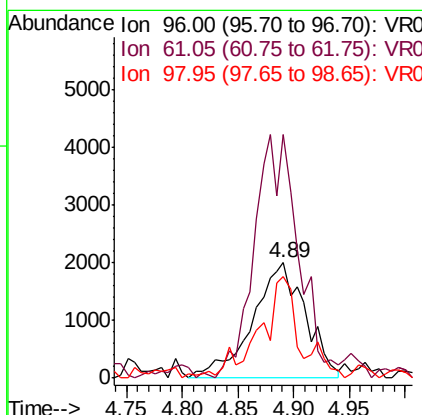
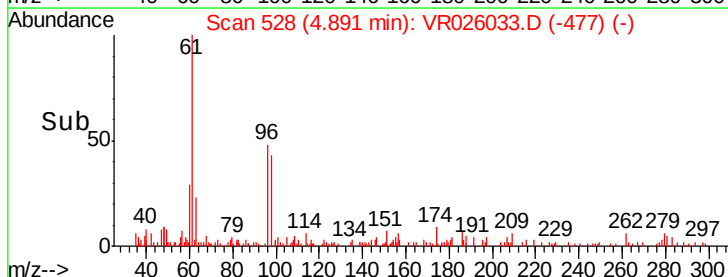
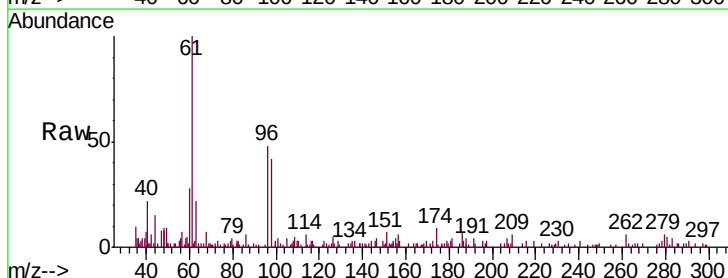
Instrument :
MSVOA_R
ClientSampleId :
H42A7MS

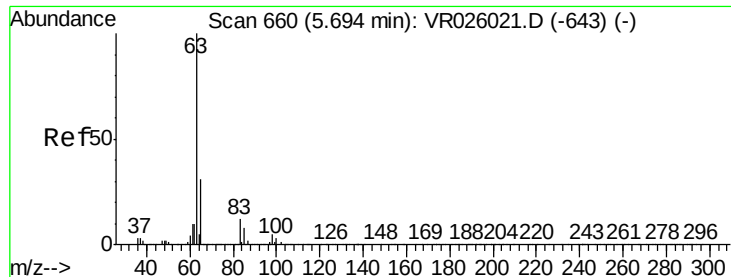
Tgt Ion: 43 Resp: 9872
Ion Ratio Lower Upper
43 100
58 27.6 0.0 51.4



#18
trans-1,2-Dichloroethene
Concen: 0.243 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

Tgt Ion: 96 Resp: 6600
Ion Ratio Lower Upper
96 100
61 210.4 127.4 236.6
98 88.1 43.8 81.3#

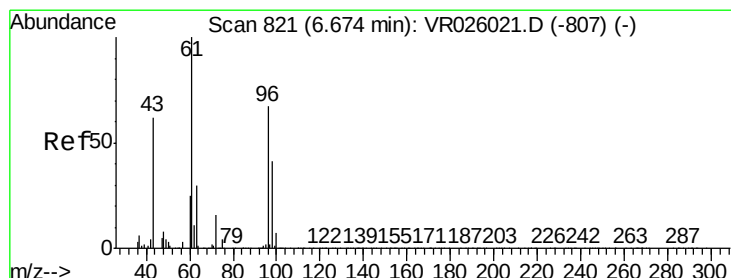
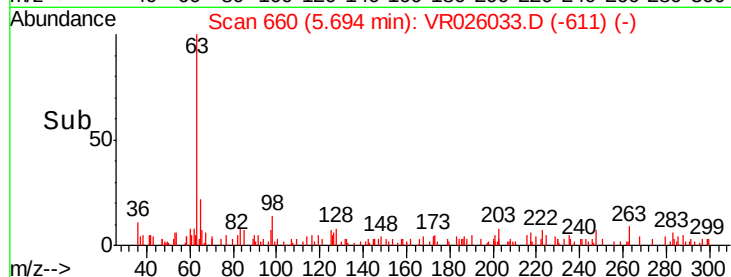
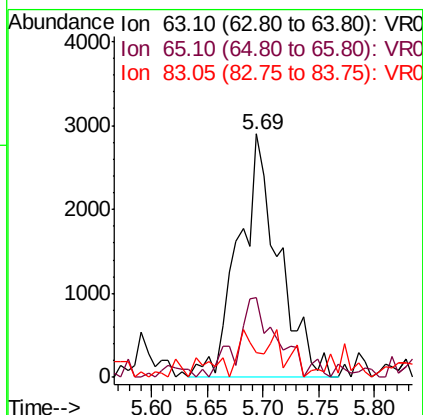
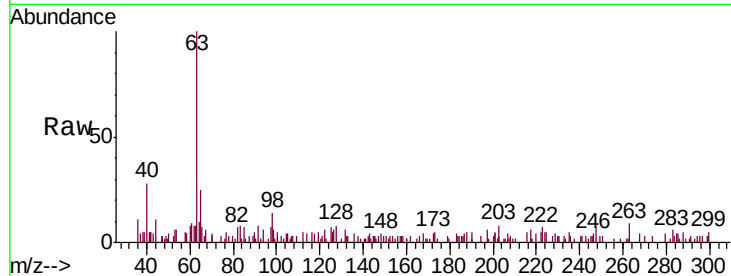




#19
 1,1-Dichloroethane
 Concen: 0.134 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026033.D
 Acq: 10 Oct 2018 17:13

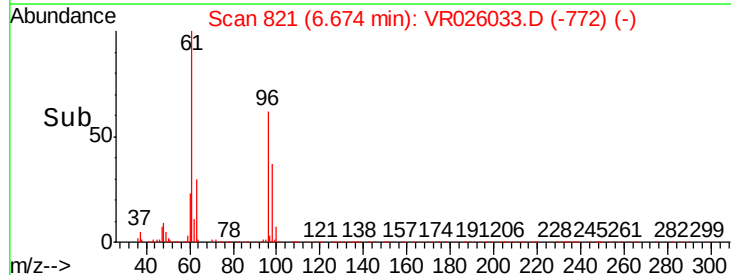
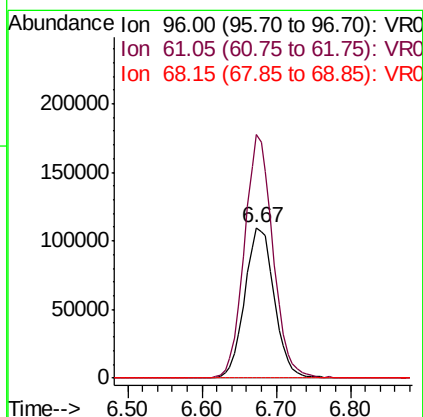
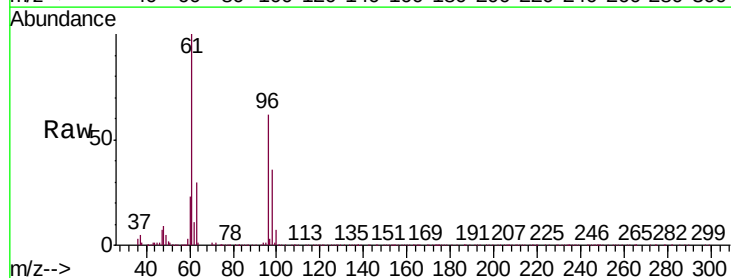
Instrument :
 MSVOA_R
 ClientSampleId :
 H42A7MS

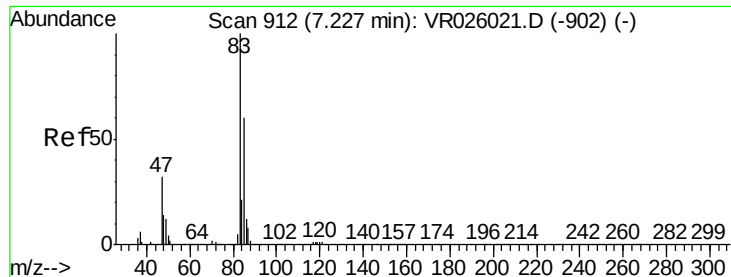
Tgt Ion:	63	Resp:	7170
Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.1	39.1
83	10.4	8.9	16.5



#22
 cis-1,2-Dichloroethene
 Concen: 11.190 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: VR026033.D
 Acq: 10 Oct 2018 17:13

Tgt Ion:	96	Resp:	305338
Ion	Ratio	Lower	Upper
96	100		
61	161.5	108.7	201.9
68	0.0	0.1	0.1#

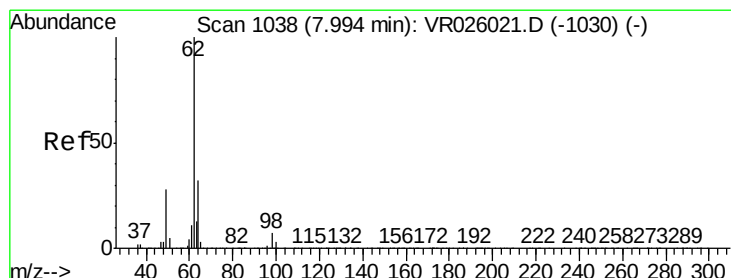
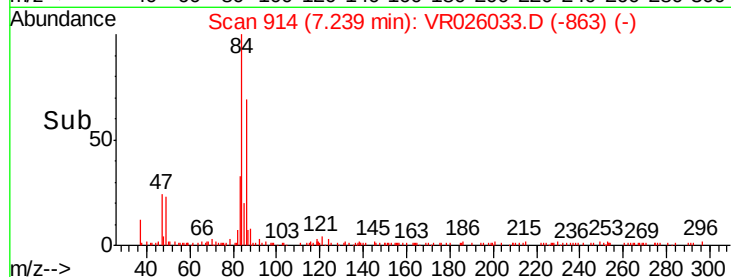
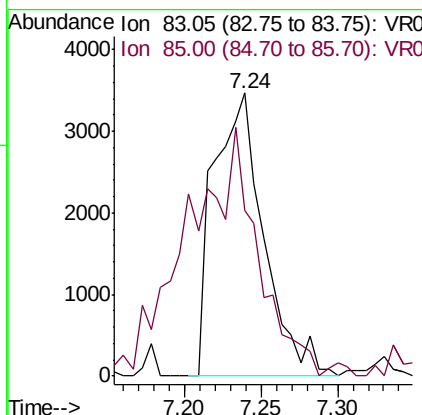
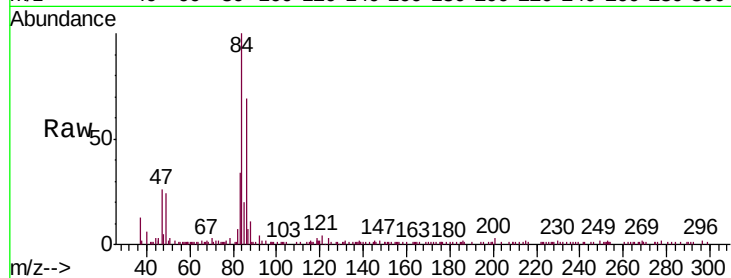




#25
Chloroform
Concen: 0.152 ug/L
RT: 7.24 min Scan# 914
Delta R.T. 0.01 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

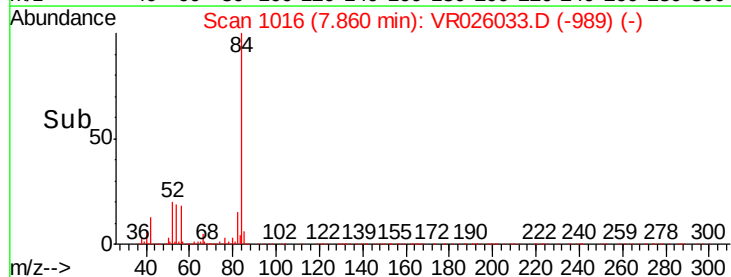
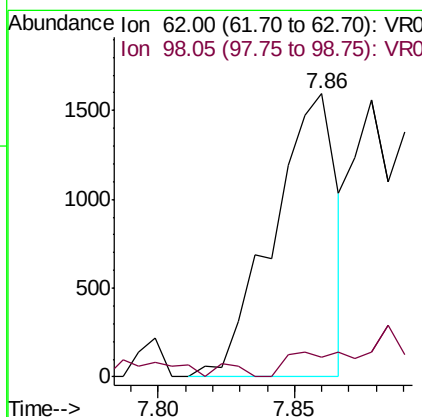
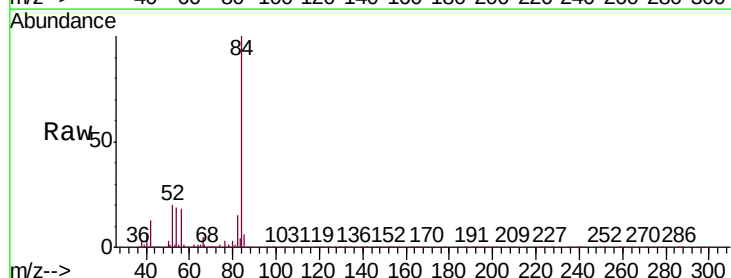
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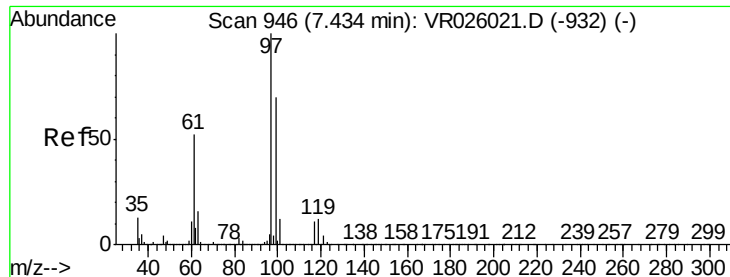
Tgt Ion: 83 Resp: 7939
Ion Ratio Lower Upper
83 100
85 58.7 43.8 81.4



#27
1,2-Dichloroethane
Concen: 0.099 ug/L
RT: 7.86 min Scan# 1016
Delta R.T. -0.13 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

Tgt Ion: 62 Resp: 2581
Ion Ratio Lower Upper
62 100
98 6.8 5.2 7.8

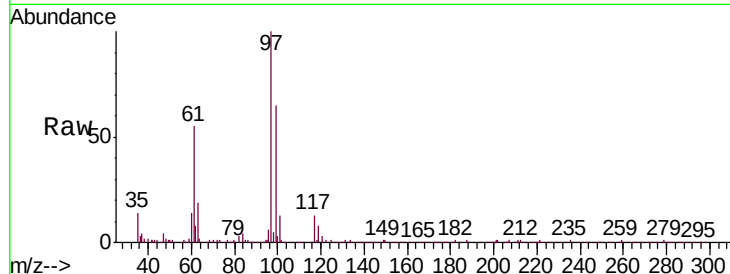




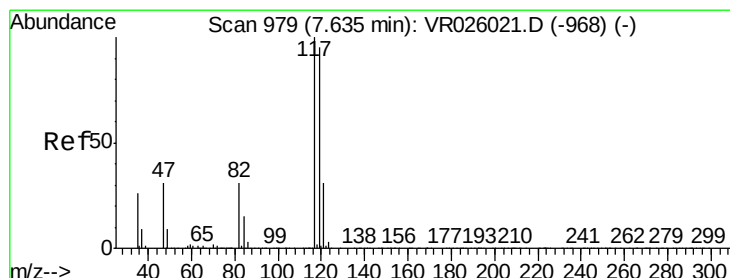
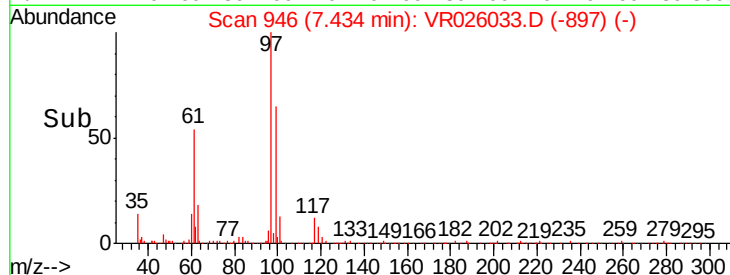
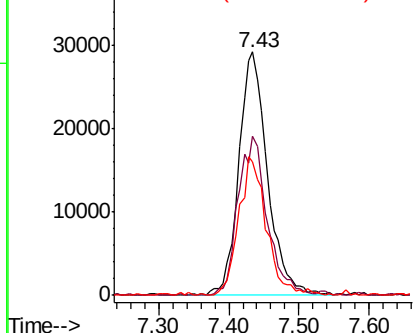
#29
 1,1,1-Trichloroethane
 Concen: 1.909 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VR026033.D
 Acq: 10 Oct 2018 17:13

Instrument :
 MSVOA_R
 ClientSampleId :
 H42A7MS

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.0	76.6
61	54.3	41.6	62.4

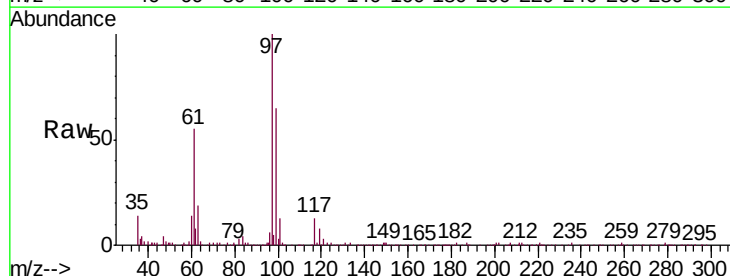


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

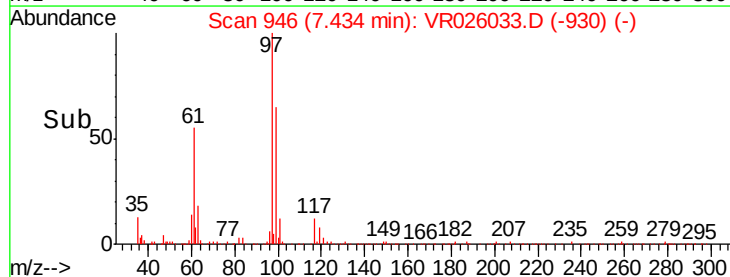
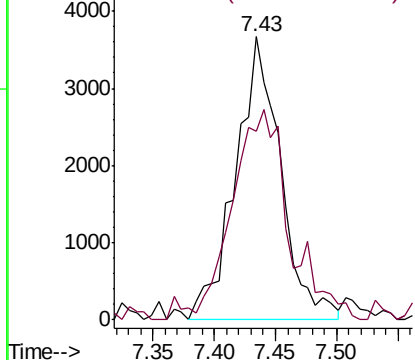


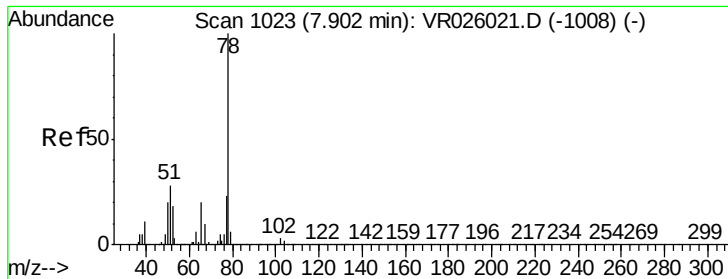
#31
 Carbon tetrachloride
 Concen: 0.248 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.20 min
 Lab File: VR026033.D
 Acq: 10 Oct 2018 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	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: 4.856 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VR026033.D

Acq: 10 Oct 2018 17:13

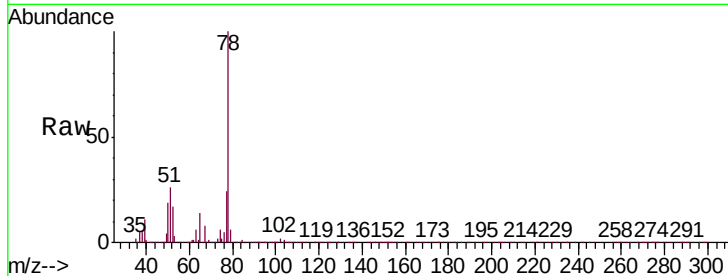
Instrument :

MSVOA_R

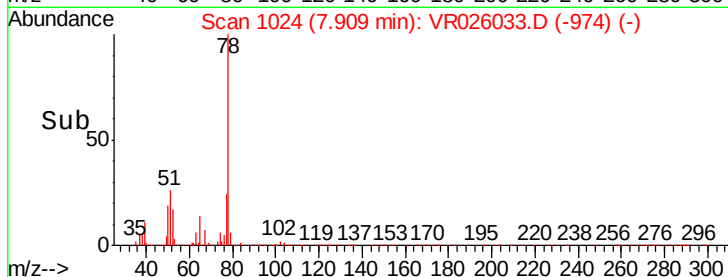
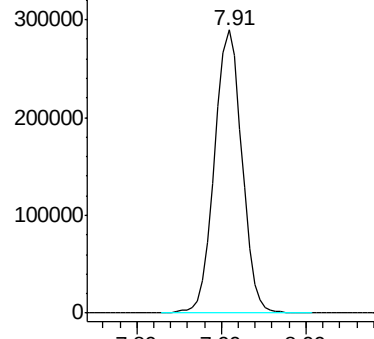
ClientSampleId :

H42A7MS

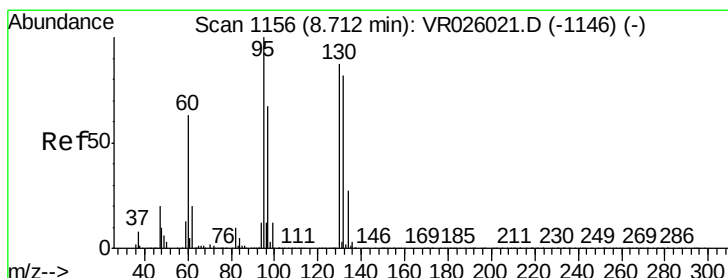
Tgt Ion: 78 Resp: 633789



Abundance Ion 78.10 (77.80 to 78.80): VR0



Time-->



#34

Trichloroethene

Concen: 43.893 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

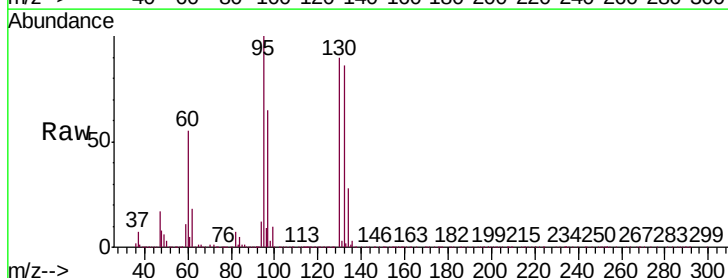
Lab File: VR026033.D

Acq: 10 Oct 2018 17:13

Tgt Ion: 95 Resp: 1509406

Ion	Ratio	Lower	Upper
95	100		
97	65.3	43.9	81.5
132	86.0	53.3	98.9
130	90.3	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

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

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

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

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

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

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

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

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

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

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

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

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

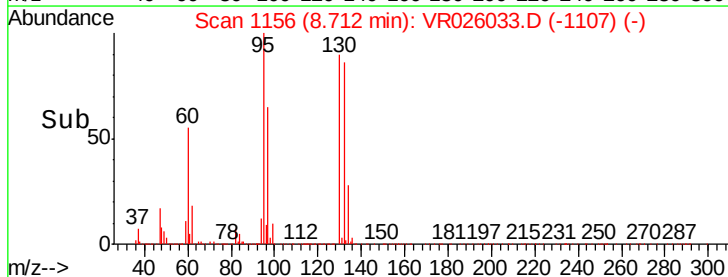
Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VR0

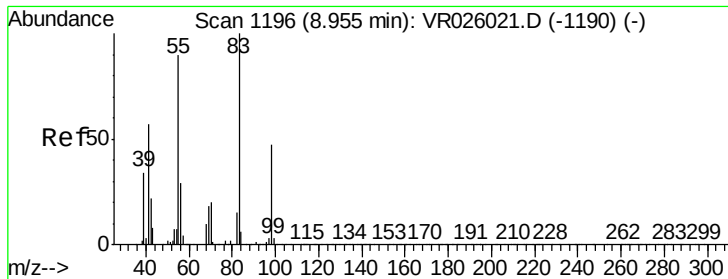
Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



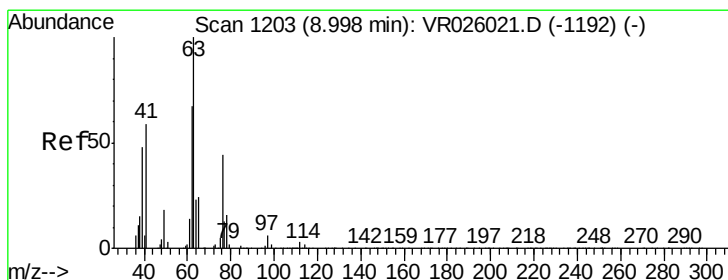
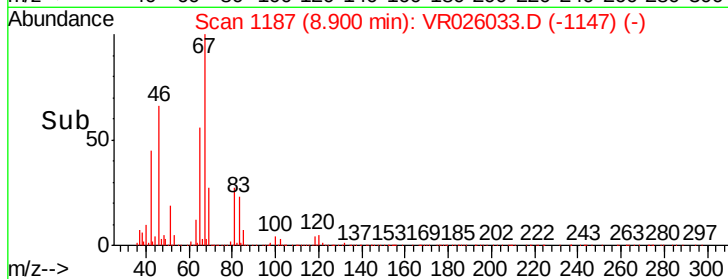
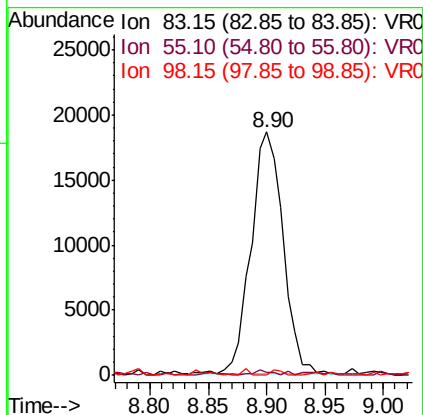
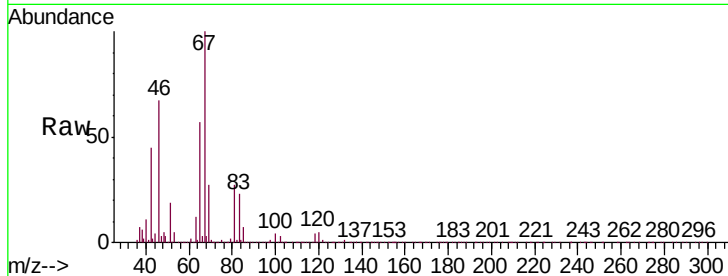
Time-->



#35
Methylcyclohexane
Concen: 0.693 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

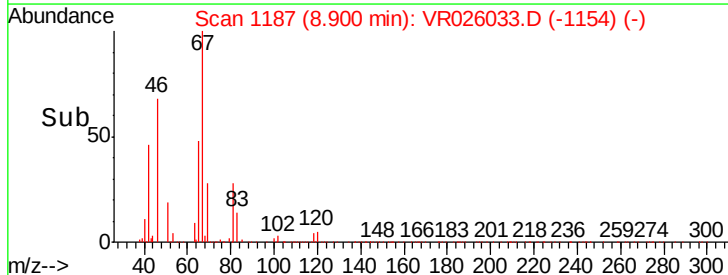
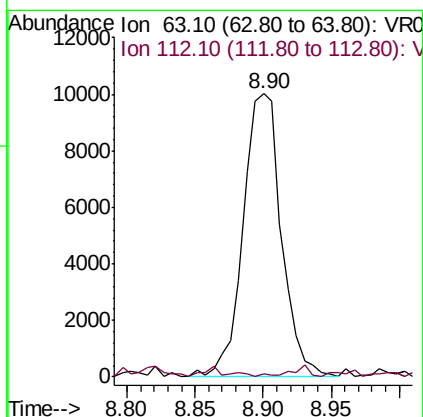
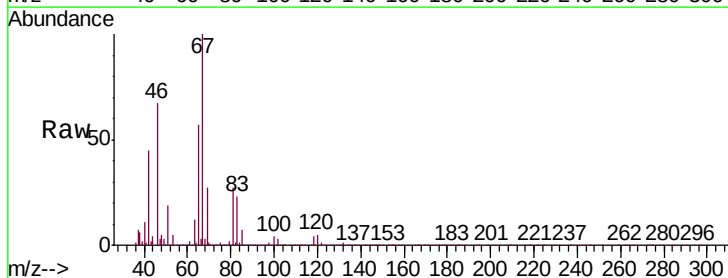
Instrument :
MSVOA_R
ClientSampleId :
H42A7MS

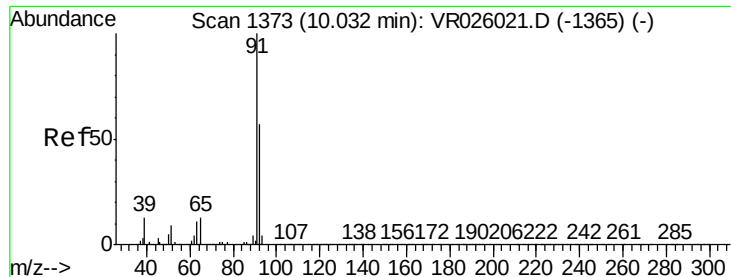
Tgt Ion: 83 Resp: 35833
Ion Ratio Lower Upper
83 100
55 1.2 71.8 107.6#
98 0.0 34.2 51.4#



#37
1,2-Dichloropropane
Concen: 0.706 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

Tgt Ion: 63 Resp: 19754
Ion Ratio Lower Upper
63 100
112 2.0 2.5 3.7#





#42

Toluene

Concen: 5.167 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026033.D

Acq: 10 Oct 2018 17:13

Instrument :

MSVOA_R

ClientSampleId :

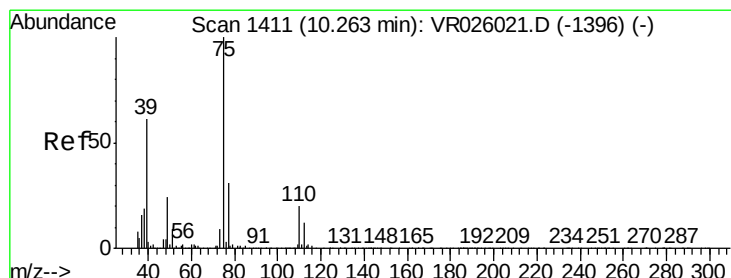
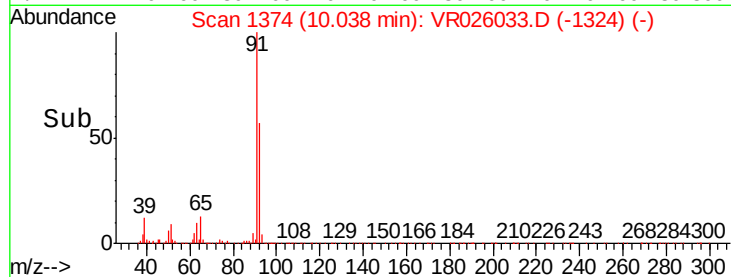
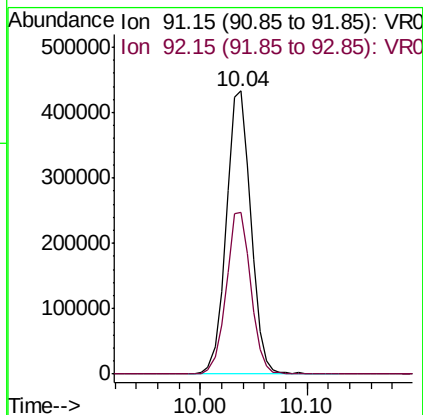
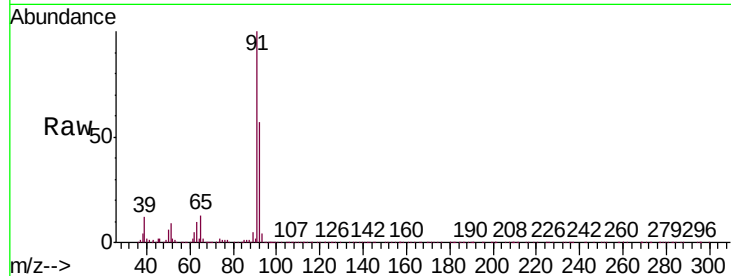
H42A7MS

Tgt Ion: 91 Resp: 700710

Ion Ratio Lower Upper

91 100

92 57.0 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 0.116 ug/L

RT: 10.24 min Scan# 1408

Delta R.T. -0.02 min

Lab File: VR026033.D

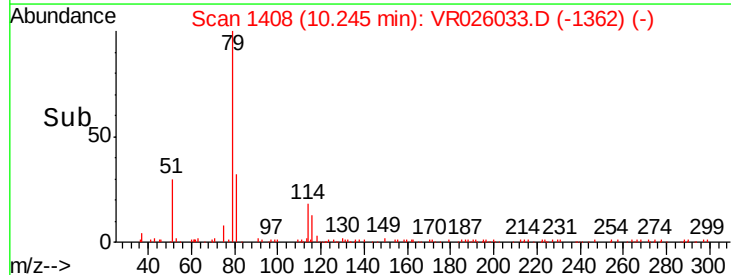
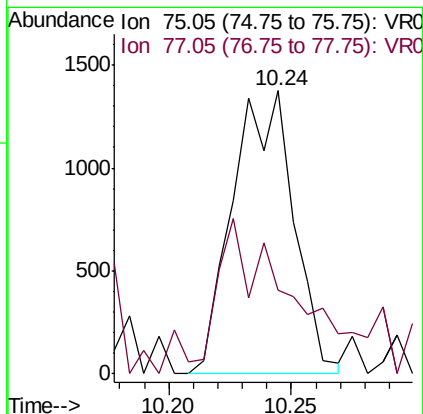
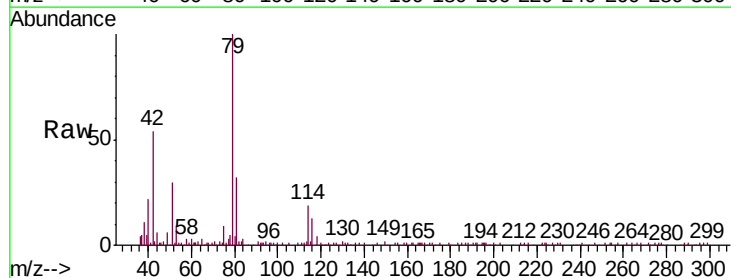
Acq: 10 Oct 2018 17:13

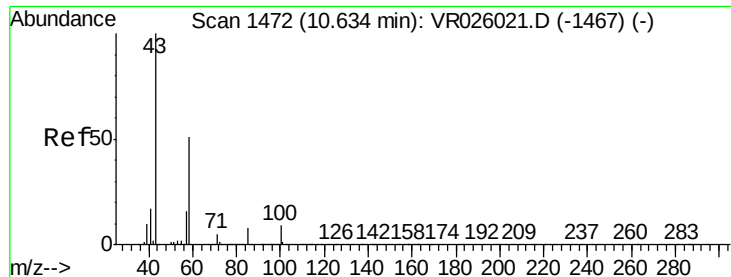
Tgt Ion: 75 Resp: 2385

Ion Ratio Lower Upper

75 100

77 29.4 23.0 42.8

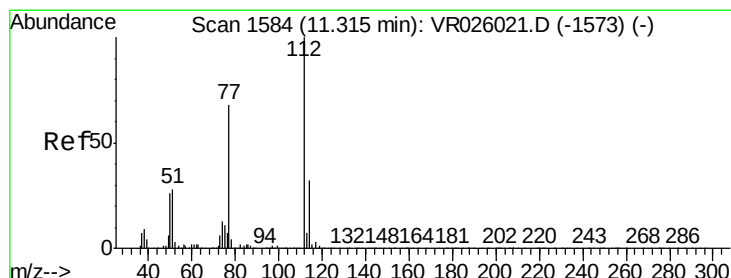
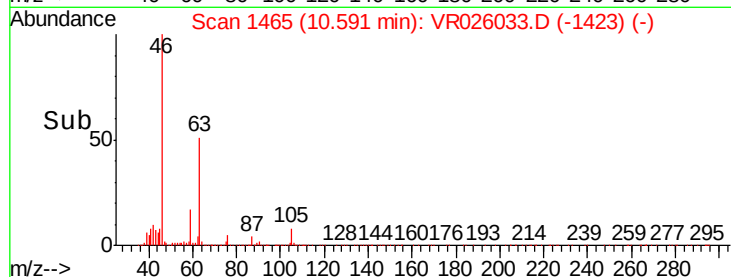
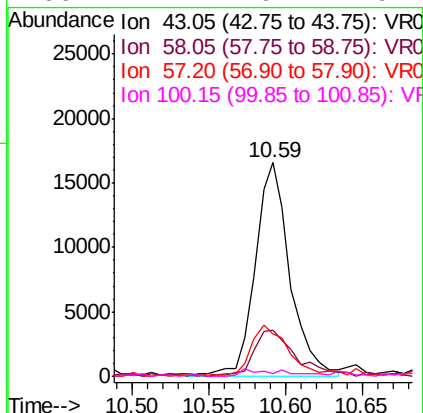
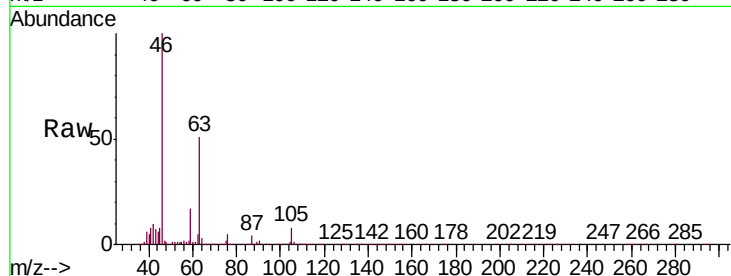




#48
2-Hexanone
Concen: 4.050 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

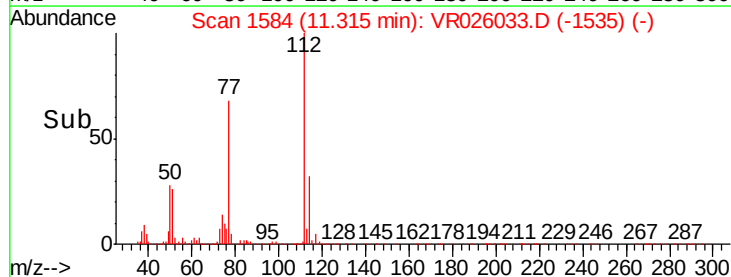
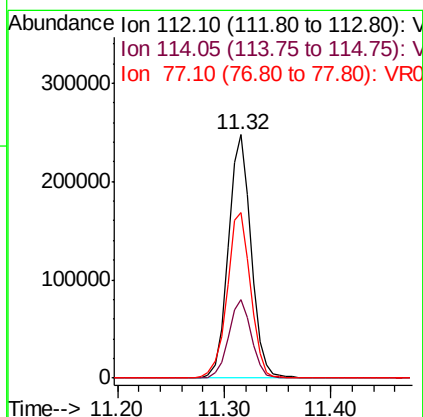
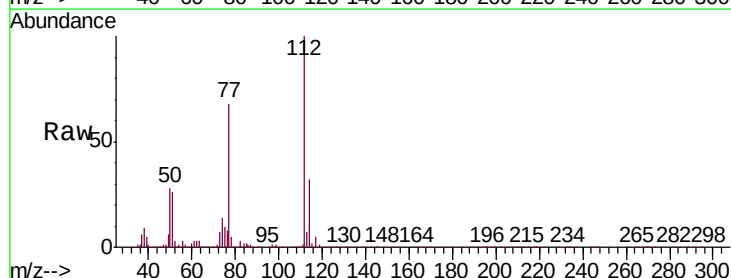
Instrument :
MSVOA_R
ClientSampleId :
H42A7MS

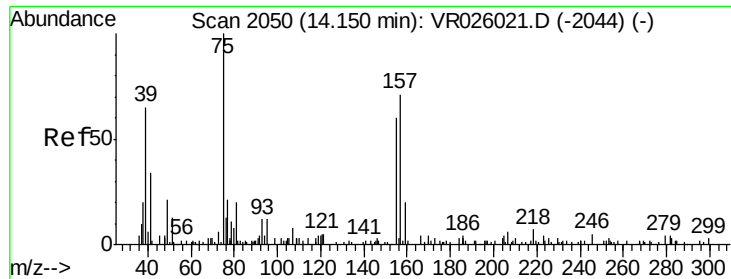
Tgt Ion:	43	Resp:	26105
Ion	Ratio	Lower	Upper
43	100		
58	26.0	39.5	59.3#
57	26.9	14.6	21.8#
100	2.1	6.7	10.1#



#51
Chlorobenzene
Concen: 5.145 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026033.D
Acq: 10 Oct 2018 17:13

Tgt Ion:	112	Resp:	370142
Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.7	42.3
77	67.9	58.5	87.7





#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.191 ug/L
 RT: 14.10 min Scan# 2041
 Delta R.T. -0.05 min
 Lab File: VR026033.D
 Acq: 10 Oct 2018 17:13

Instrument :
 MSVOA_R
 ClientSampleId :
 H42A7MS

Tgt Ion: 75 Resp: 256
 Ion Ratio Lower Upper
 75 100
 155 39.5 37.8 56.6
 157 73.2 49.7 74.5

