

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026091.D
 Acq On : 16 Oct 2018 1:42
 Operator : SY/MD
 Sample : J5379-12
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 H42B0

Quant Time: Oct 16 10:37:36 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	546573	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	460609	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	144022	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	241829	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	2.63	69	213453	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	3.61	63	438968	3.74	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	6.59	46	218455	55.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.26%
24) Chloroform-d	7.20	84	366801	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	7.89	65	156921	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	7.85	84	715985	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	8.90	67	203925	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	9.97	98	681440	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	10.24	79	45976	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	10.59	63	173858	60.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.14%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	74896	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	120284	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

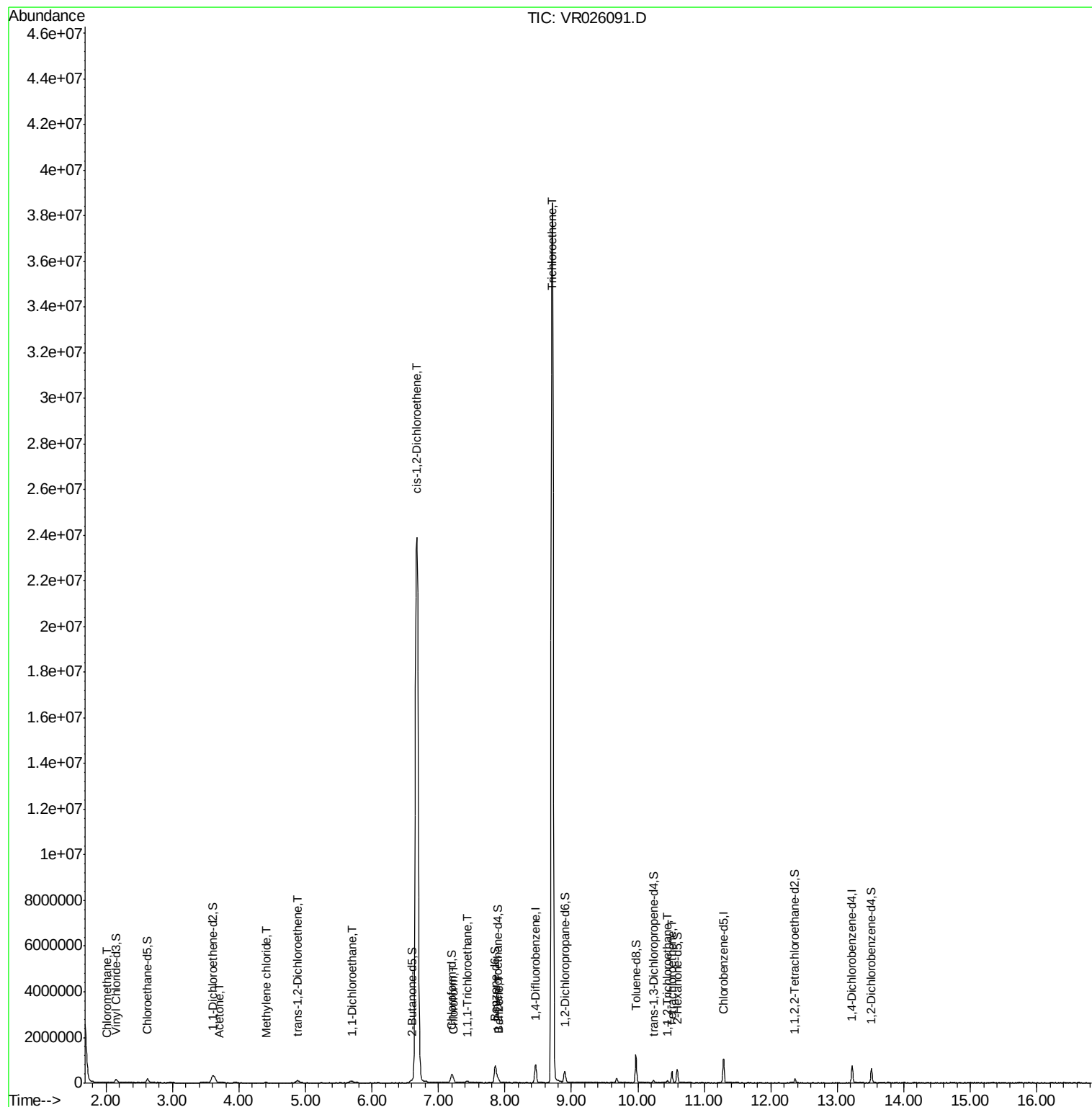
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.01	50	11895	0.204	ug/L #	81
13) Acetone	3.70	43	14708	3.623	ug/L	98
16) Methylene chloride	4.41	84	7311	0.152	ug/L	83
18) trans-1,2-Dichloroethene	4.88	96	47576	1.184	ug/L	94
19) 1,1-Dichloroethane	5.69	63	109646	1.453	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	15867958	417.340	ug/L #	69
25) Chloroform	7.23	83	67093	0.911	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	57920	0.920	ug/L	99
33) Benzene	7.91	78	22844	0.132	ug/L	100
34) Trichloroethene	8.71	95	13963883	315.663	ug/L	81
45) 1,1,2-Trichloroethane	10.45	97	21540	1.400	ug/L	95
47) Tetrachloroethene	10.51	164	86600	2.741	ug/L	93

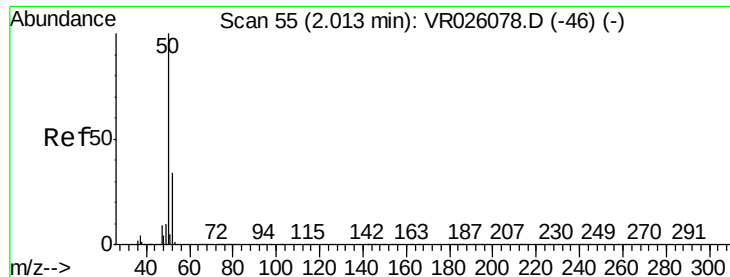
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.204 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.01 min

Lab File: VR026091.D

Acq: 16 Oct 2018 1:42

Instrument :

MSVOA_R

ClientSampleId :

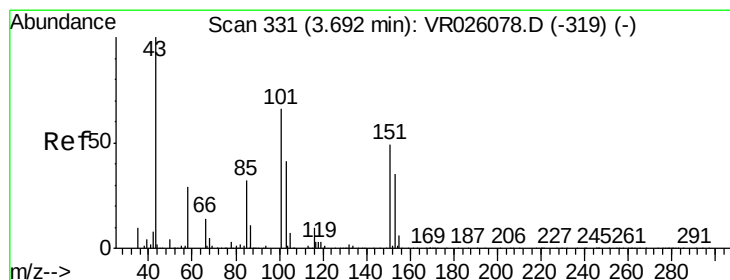
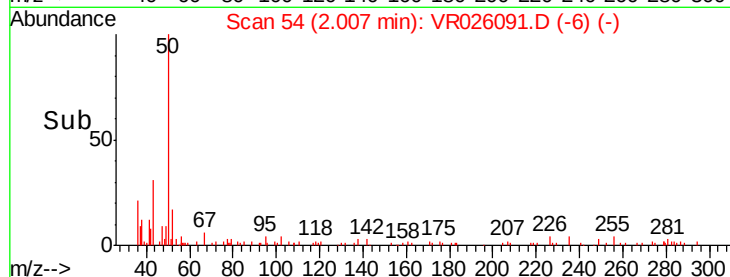
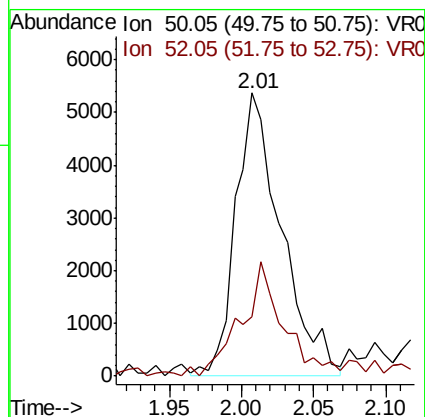
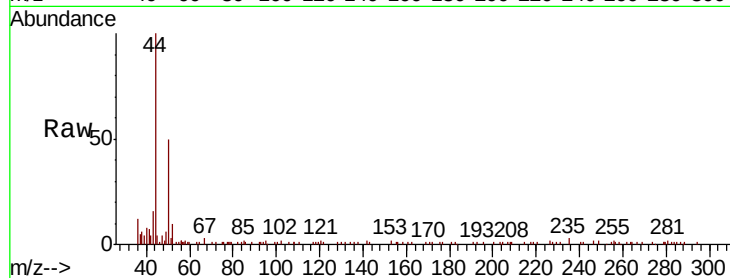
H42B0

Tot Ion: 50 Resp: 11895

Ion Ratio Lower Upper

50 100

52 21.0 22.0 40.8#



#13

Acetone

Concen: 3.623 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026091.D

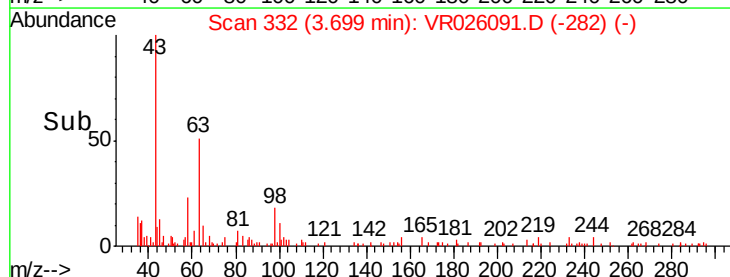
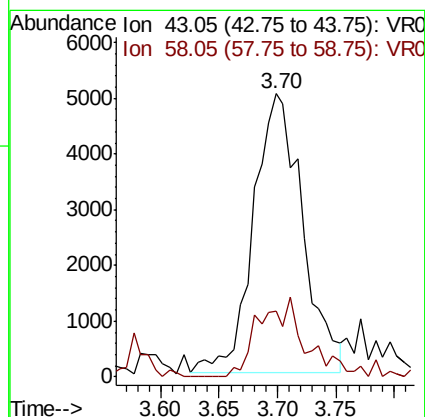
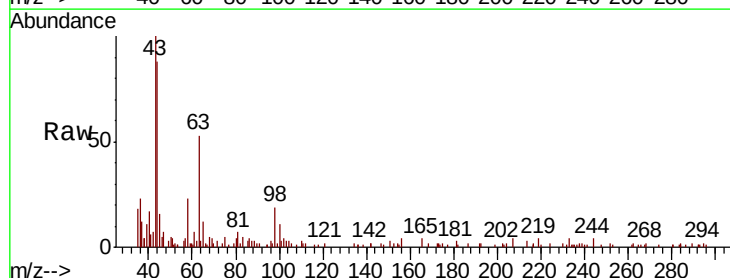
Acq: 16 Oct 2018 1:42

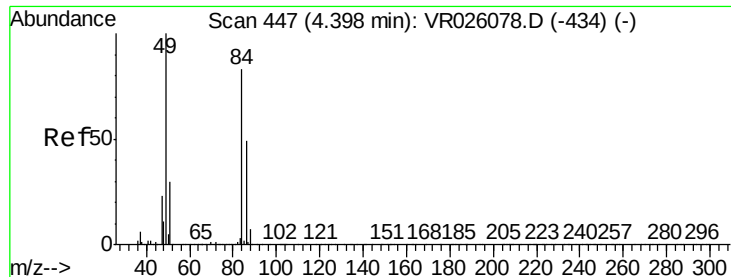
Tgt Ion: 43 Resp: 14708

Ion Ratio Lower Upper

43 100

58 26.6 0.0 55.4

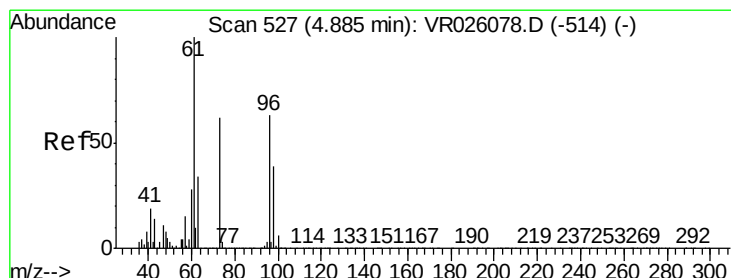
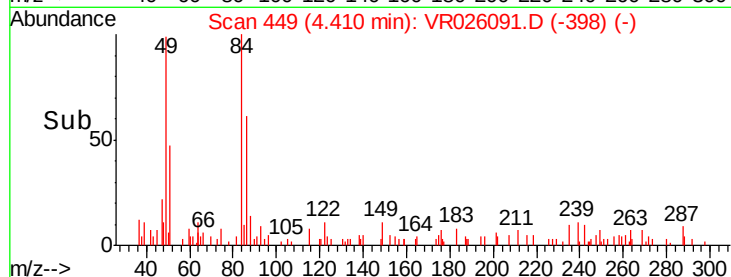
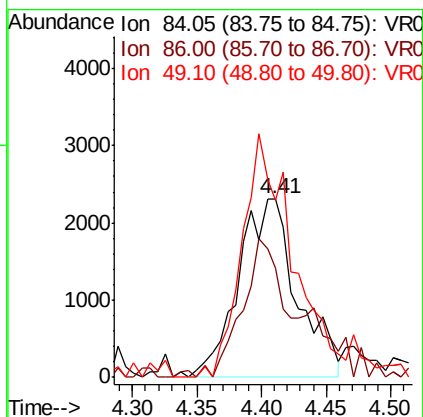
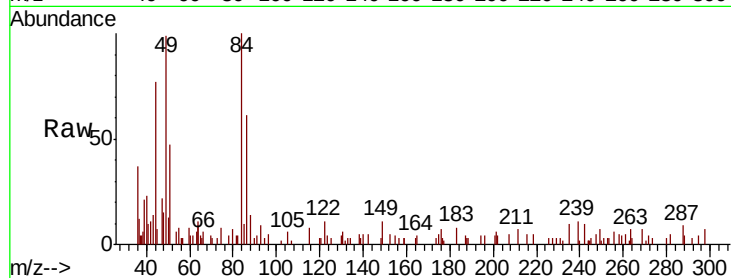




#16
Methylene chloride
Concen: 0.152 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026091.D
Acq: 16 Oct 2018 1:42

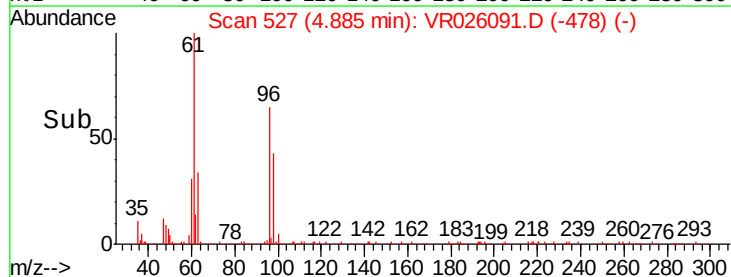
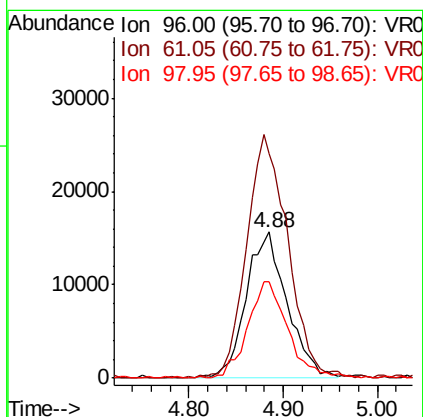
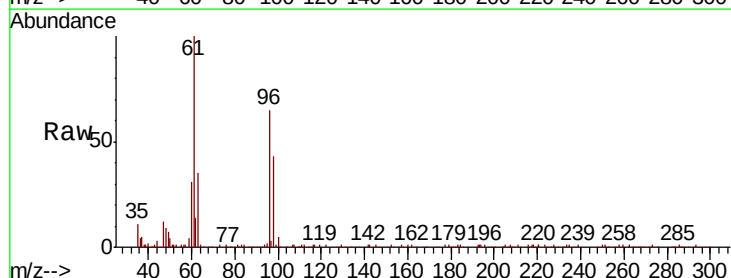
Instrument :
MSVOA_R
ClientSampled :
H42B0

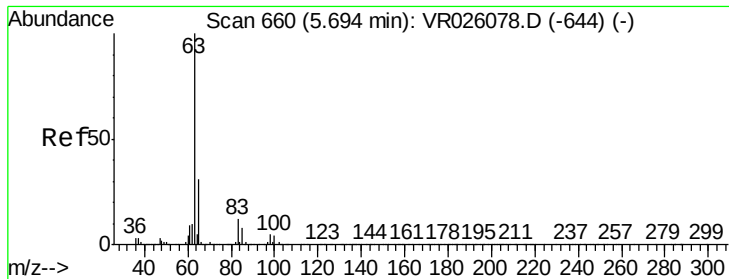
Tot Ion: 84 Resp: 7311
Ion Ratio Lower Upper
84 100
86 60.8 43.0 79.8
49 99.3 89.1 165.5



#18
trans-1,2-Dichloroethene
Concen: 1.184 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026091.D
Acq: 16 Oct 2018 1:42

Tgt Ion: 96 Resp: 47576
Ion Ratio Lower Upper
96 100
61 153.2 111.4 206.8
98 65.8 41.4 77.0

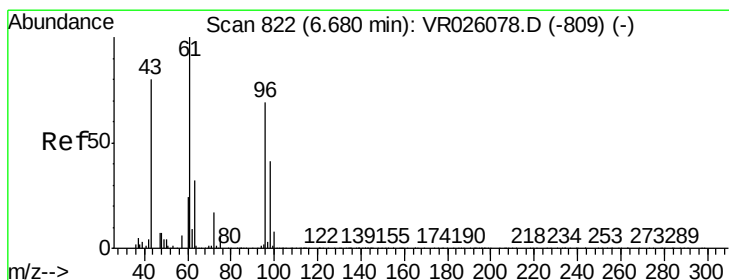
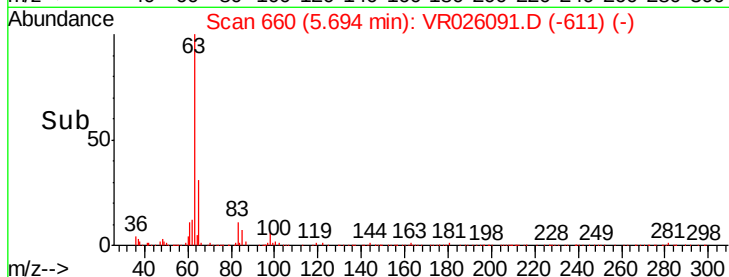
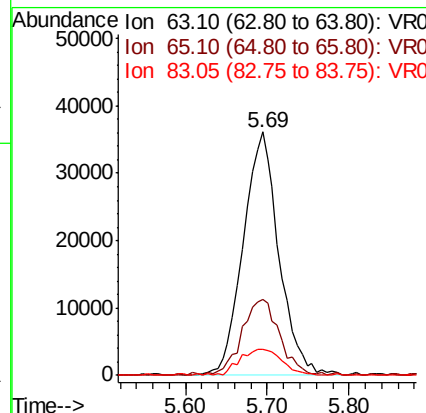
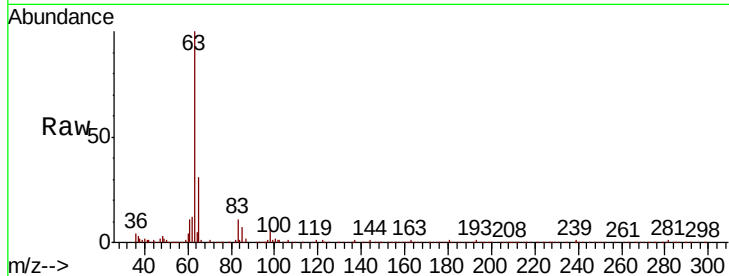




#19
 1,1-Dichloroethane
 Concen: 1.453 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026091.D
 Acq: 16 Oct 2018 1:42

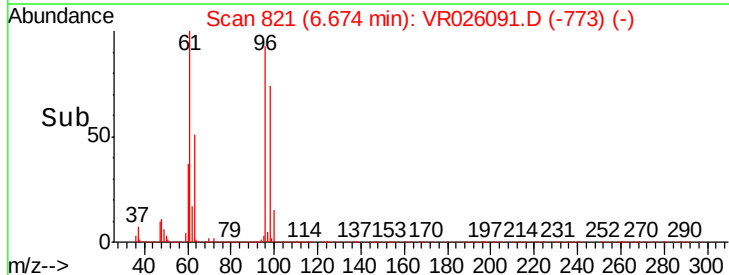
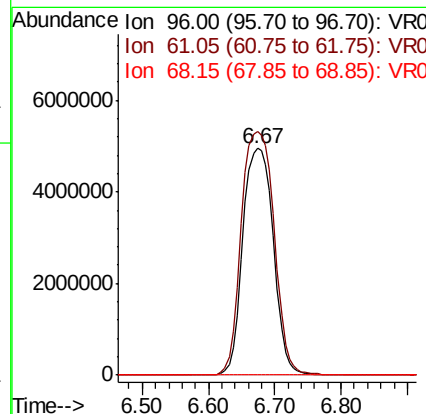
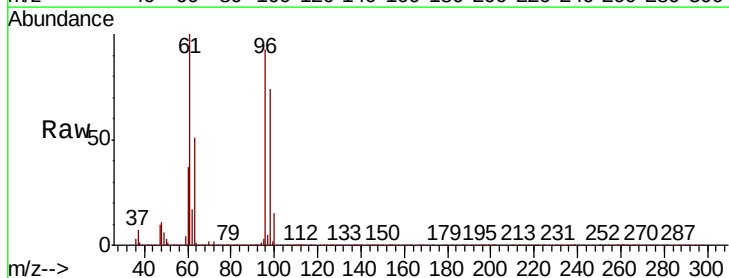
Instrument :
 MSVOA_R
 ClientSampleId :
 H42B0

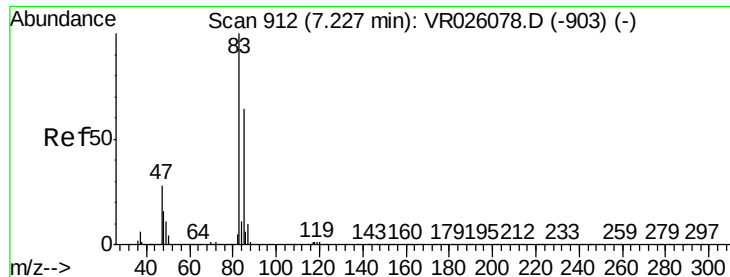
Tot Ion:	63	Resp:	109646
Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.2	39.4
83	10.8	9.2	17.2



#22
 cis-1,2-Dichloroethene
 Concen: 417.340 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026091.D
 Acq: 16 Oct 2018 1:42

Tgt Ion:	96	Resp:	15867958
Ion	Ratio	Lower	Upper
96	100		
61	107.3	101.8	189.0
68	0.0	0.1	0.3#





#25

Chloroform

Concen: 0.911 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026091.D

Acq: 16 Oct 2018 1:42

Instrument :

MSVOA_R

ClientSampleId :

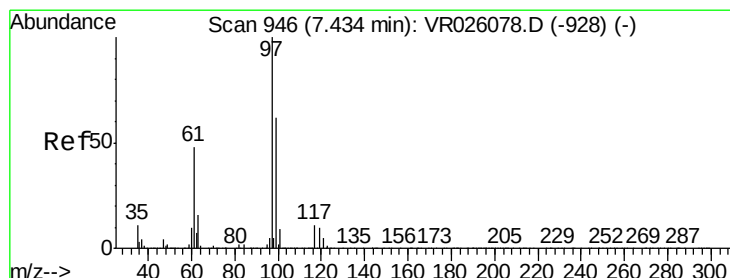
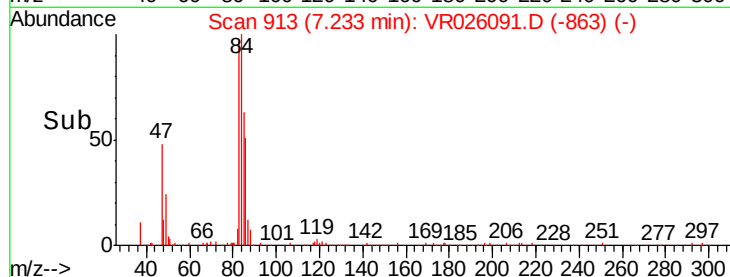
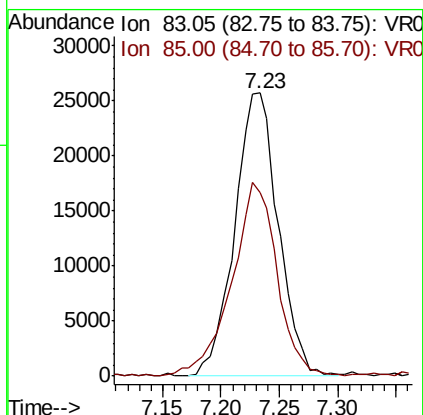
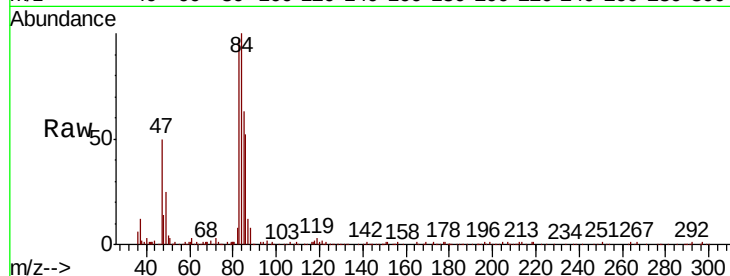
H42B0

Tot Ion: 83 Resp: 67093

Ion Ratio Lower Upper

83 100

85 64.9 43.5 80.7



#29

1,1,1-Trichloroethane

Concen: 0.920 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026091.D

Acq: 16 Oct 2018 1:42

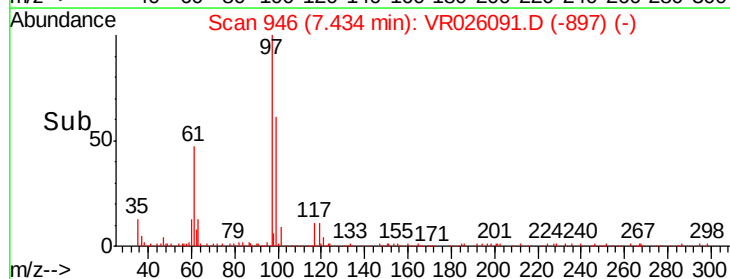
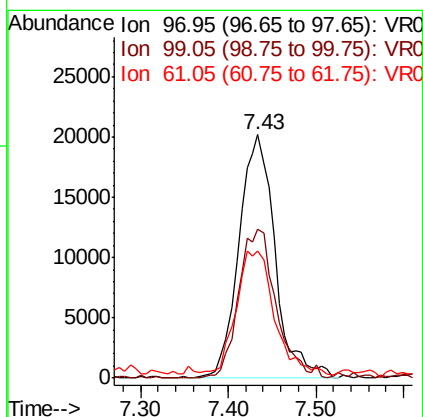
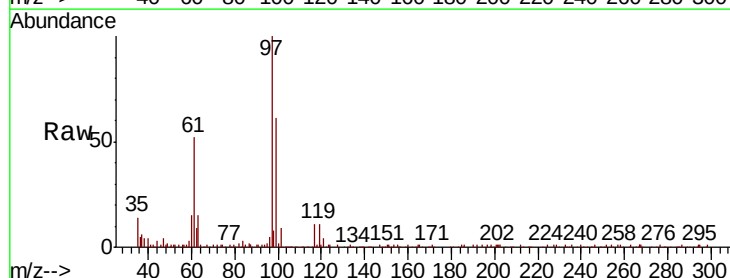
Tgt Ion: 97 Resp: 57920

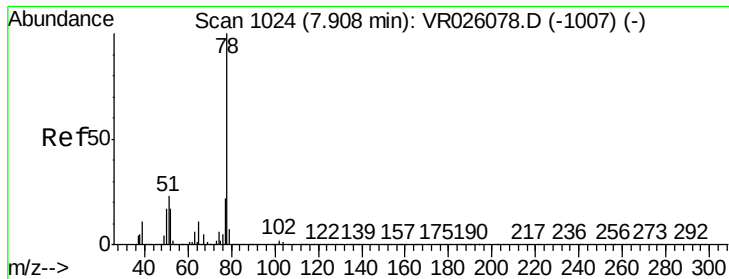
Ion Ratio Lower Upper

97 100

99 62.9 51.1 76.7

61 53.4 42.1 63.1





#33

Benzene

Concen: 0.132 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VR026091.D

Acq: 16 Oct 2018 1:42

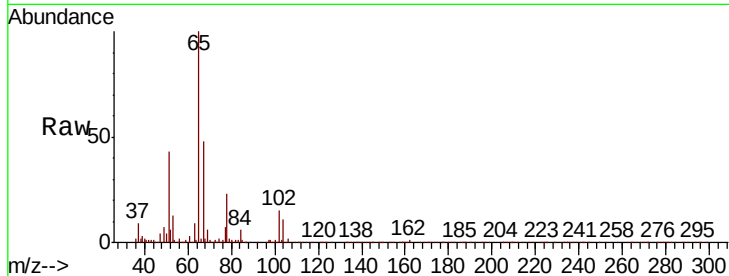
Instrument :

MSVOA_R

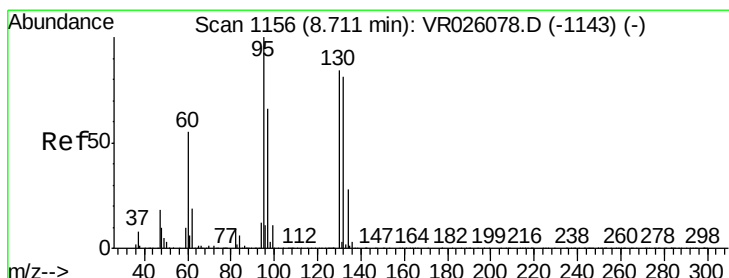
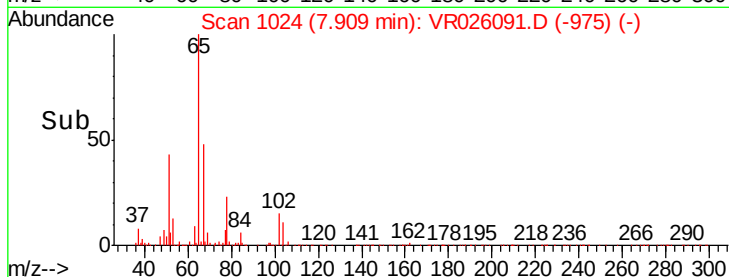
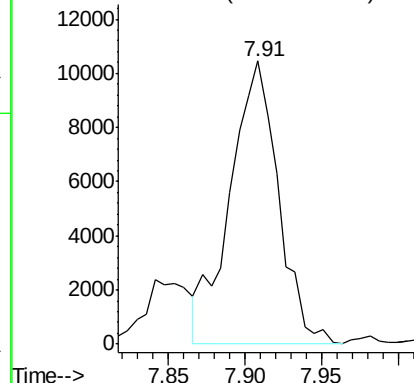
ClientSampleId :

H42B0

Tgt Ion: 78 Resp: 22844



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 315.663 ug/L

RT: 8.71 min Scan# 1156

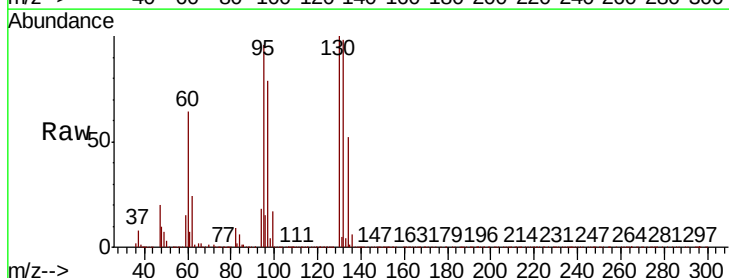
Delta R.T. 0.00 min

Lab File: VR026091.D

Acq: 16 Oct 2018 1:42

Tgt Ion: 95 Resp:13963883

Ion	Ratio	Lower	Upper
95	100		
97	82.4	45.7	84.9
132	103.0	58.3	108.3
130	104.6	64.0	119.0

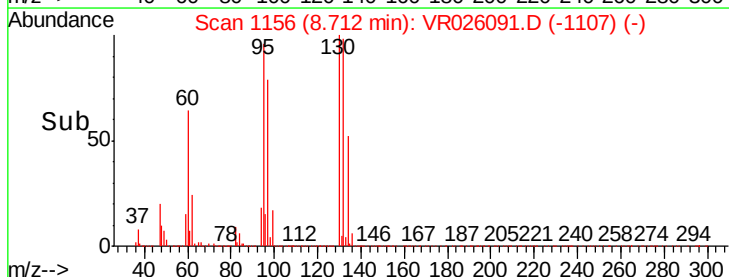
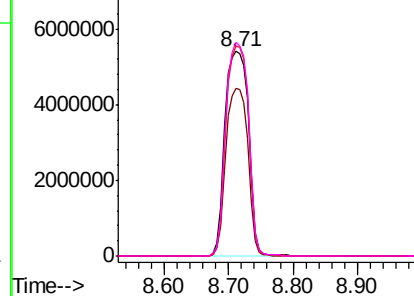


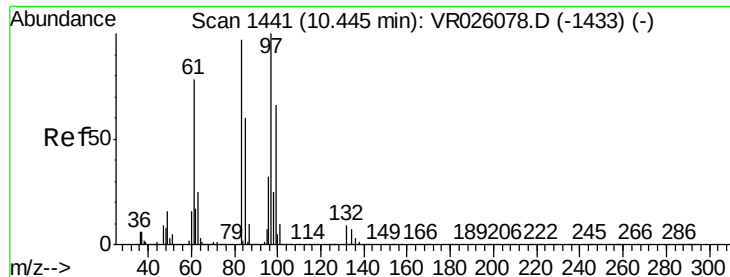
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

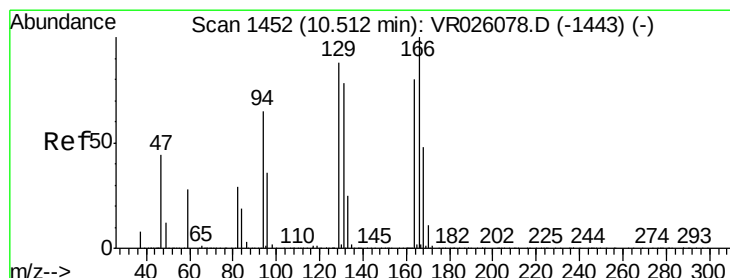
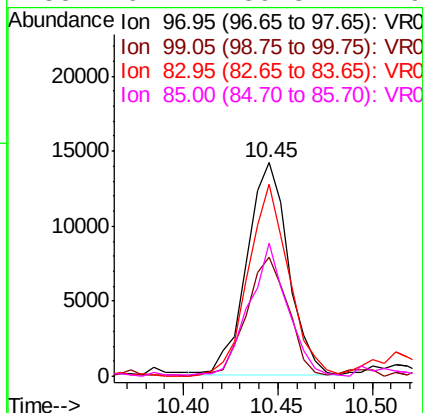
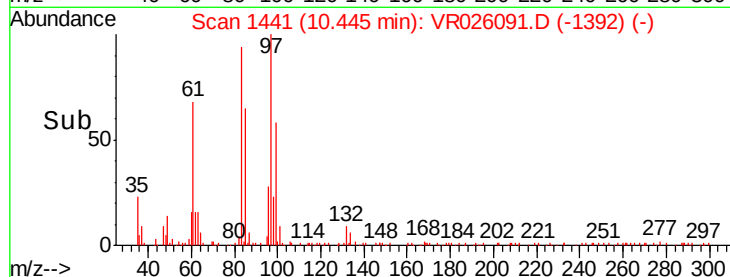
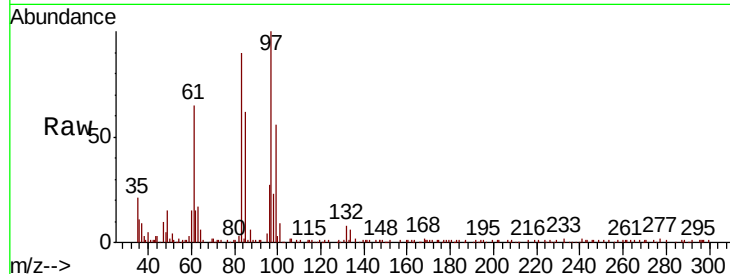




#45
 1,1,2-Trichloroethane
 Concen: 1.400 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026091.D
 Acq: 16 Oct 2018 1:42

Instrument :
 MSVOA_R
 ClientSampleId :
 H42B0

Tot Ion:	97	Resp:	21540
Ion	Ratio	Lower	Upper
97	100		
99	56.0	42.8	79.4
83	89.9	61.9	114.9
85	62.2	39.3	72.9



#47
 Tetrachloroethene
 Concen: 2.741 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026091.D
 Acq: 16 Oct 2018 1:42

Tgt Ion:	164	Resp:	86600
Ion	Ratio	Lower	Upper
164	100		
129	109.7	70.3	130.5
131	107.5	67.3	125.1
166	122.6	86.1	159.9

