

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100218\
 Data File : VR025925.D
 Acq On : 2 Oct 2018 13:38
 Operator : SY/MD
 Sample : J5160-08MSD
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 03 02:54:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 03 02:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	444878	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	377452	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	124937	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	155933	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	2.62	69	148639	5.18	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	3.63	63	382360	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	6.59	46	222116	56.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.58%
24) Chloroform-d	7.20	84	282490	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	7.90	65	134499	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	7.85	84	541119	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	8.90	67	158375	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	9.97	98	470336	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	10.24	79	28504	3.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.20%
46) 2-Hexanone-d5	10.59	63	166521	56.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.64%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	64792	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	95632	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

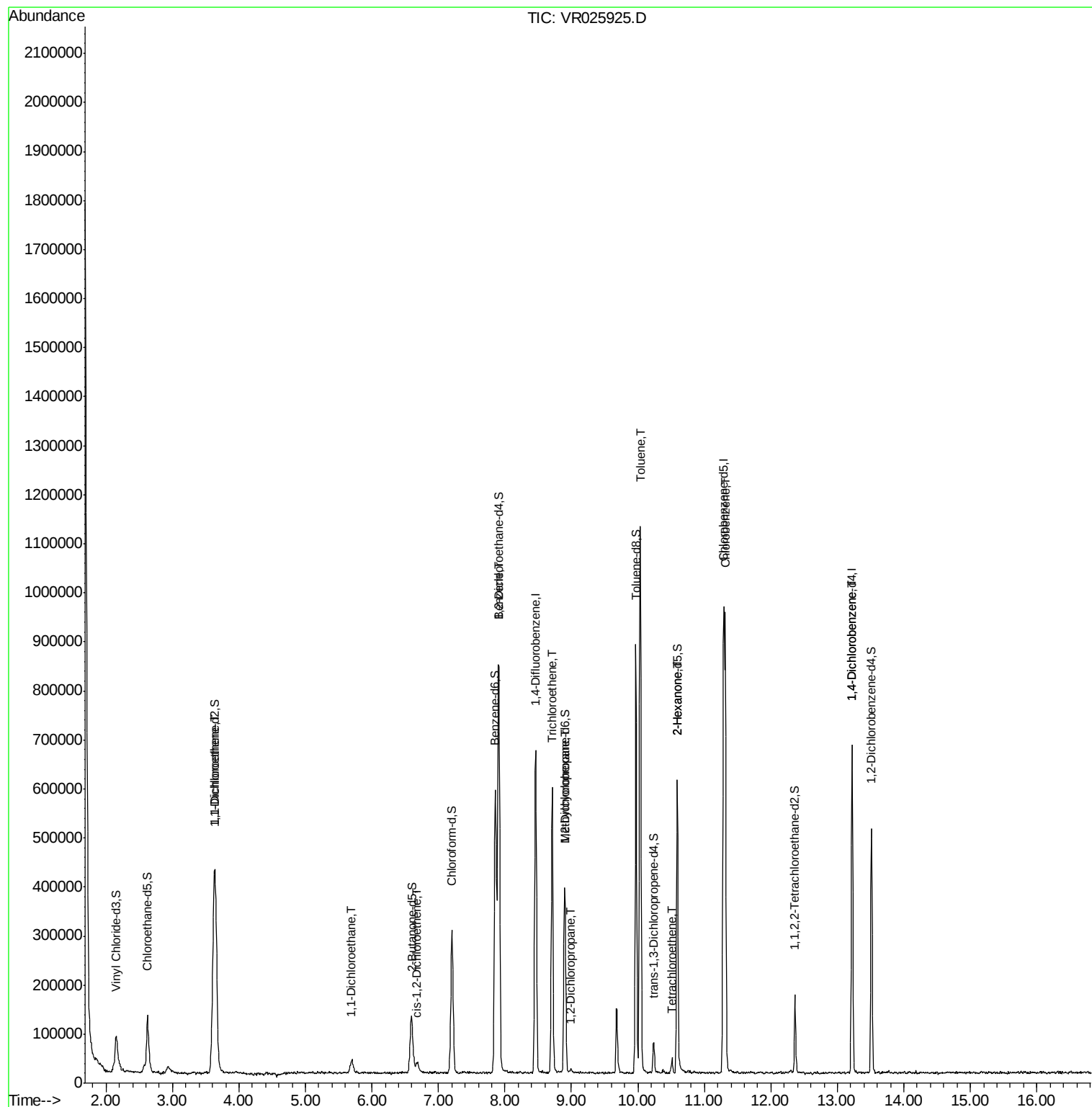
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.64	96	186756	5.561	ug/L	84
19) 1,1-Dichloroethane	5.69	63	40282	0.733	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	8452	0.302	ug/L #	91
33) Benzene	7.91	78	663585	5.241	ug/L	100
34) Trichloroethene	8.71	95	175965	5.275	ug/L	94
35) Methylcyclohexane	8.90	83	37013	0.738	ug/L #	16
37) 1,2-Dichloropropane	9.00	63	2547	0.094	ug/L #	89
42) Toluene	10.04	91	705016	5.359	ug/L	97
47) Tetrachloroethene	10.51	164	6283	0.306	ug/L #	77
48) 2-Hexanone	10.59	43	24950	3.990	ug/L #	74
51) Chlorobenzene	11.32	112	372969	5.345	ug/L	98
63) 1,4-Dichlorobenzene	13.23	146	1696	0.045	ug/L #	28

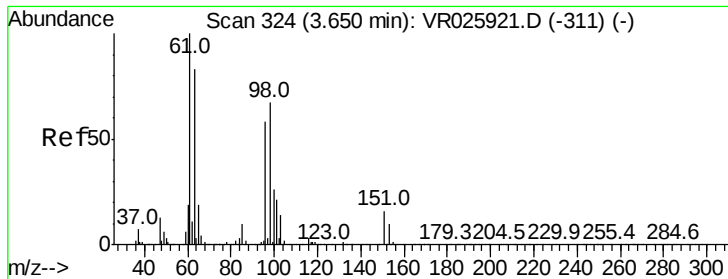
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 03 02:53:45 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.561 ug/L

RT: 3.64 min Scan# 323

Delta R.T. -0.01 min

Lab File: VR025925.D

Acq: 2 Oct 2018 13:38

Instrument :
MSVOA_R
ClientSampleId :

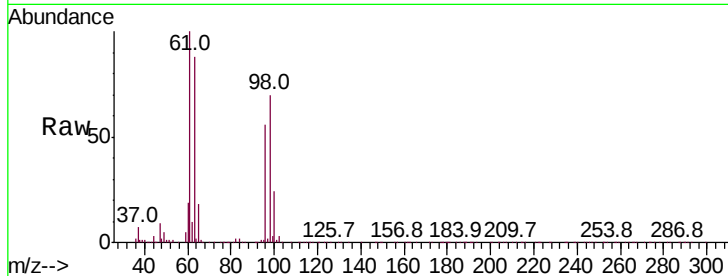
Tot Ion: 96 Resp: 186756

Ion Ratio Lower Upper

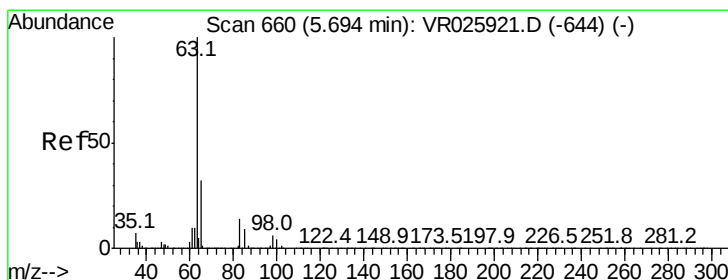
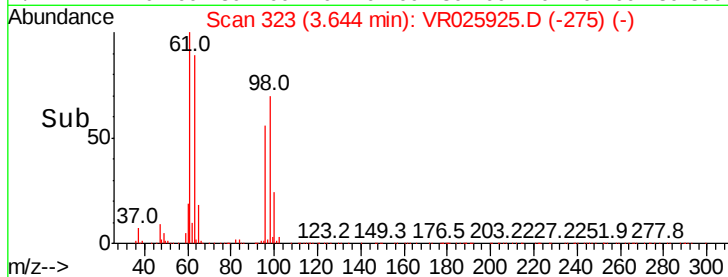
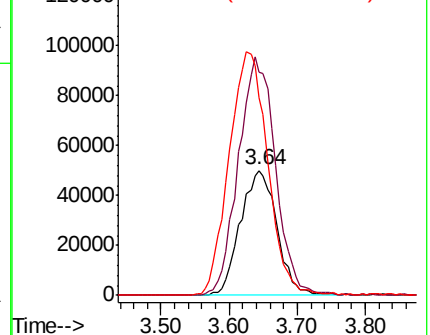
96 100

61 178.6 145.0 269.4

63 157.9 123.8 230.0



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



#19

1,1-Dichloroethane

Concen: 0.733 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR025925.D

Acq: 2 Oct 2018 13:38

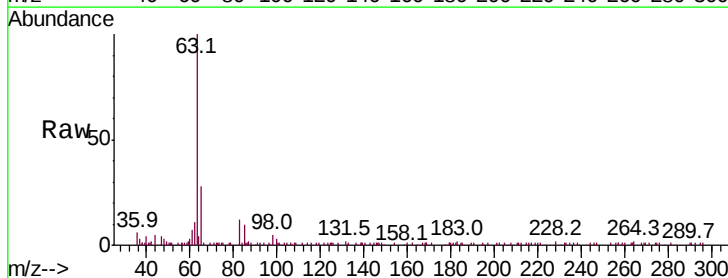
Tgt Ion: 63 Resp: 40282

Ion Ratio Lower Upper

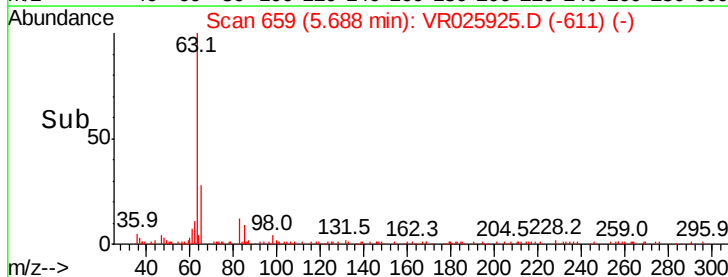
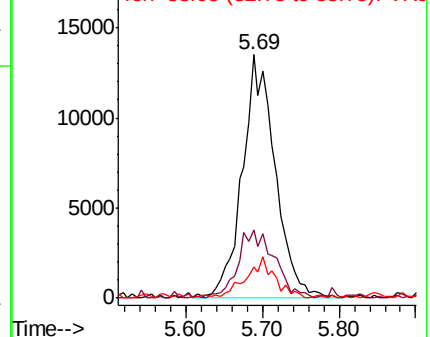
63 100

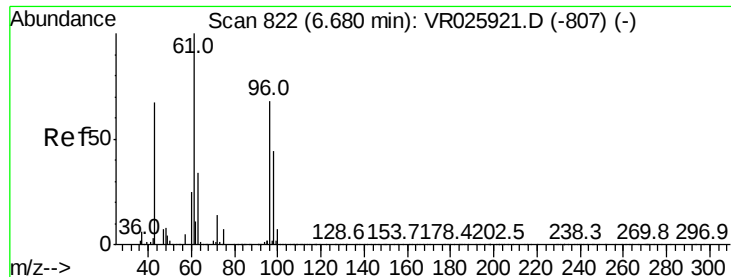
65 28.0 21.1 39.1

83 12.9 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0
Ion 65.10 (64.80 to 65.80): VR0
Ion 83.05 (82.75 to 83.75): VR0





#22

cis-1,2-Dichloroethene

Concen: 0.302 ug/L

RT: 6.67 min Scan# 820

Delta R.T. -0.01 min

Lab File: VR025925.D

Acq: 2 Oct 2018 13:38

Instrument :
MSVOA_R
ClientSampled :

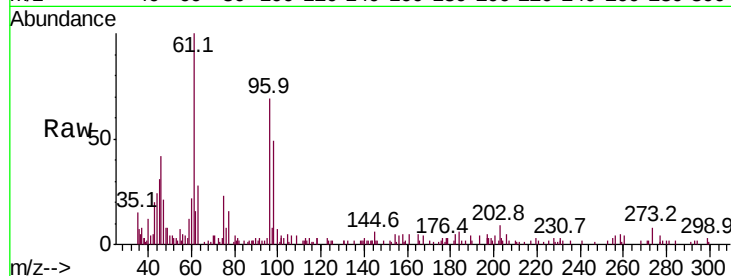
Tot Ion: 96 Resp: 8452

Ion Ratio Lower Upper

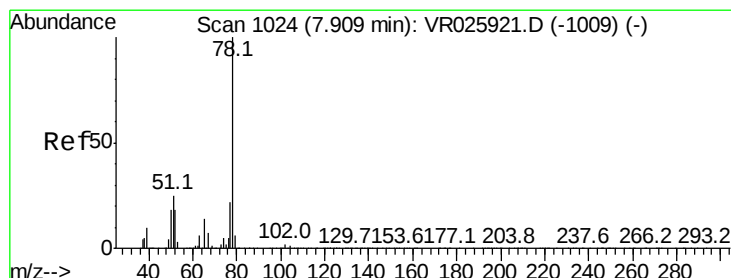
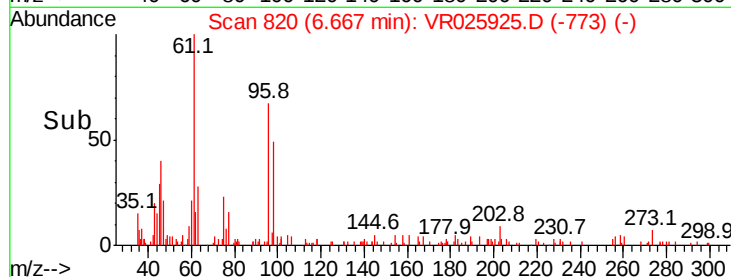
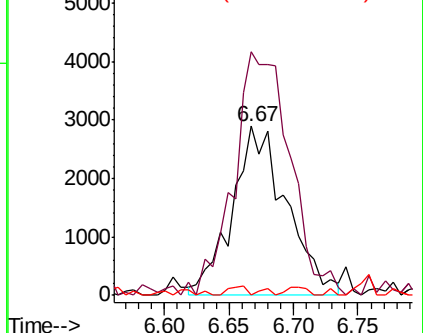
96 100

61 144.1 108.7 201.9

68 0.0 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



#33

Benzene

Concen: 5.241 ug/L

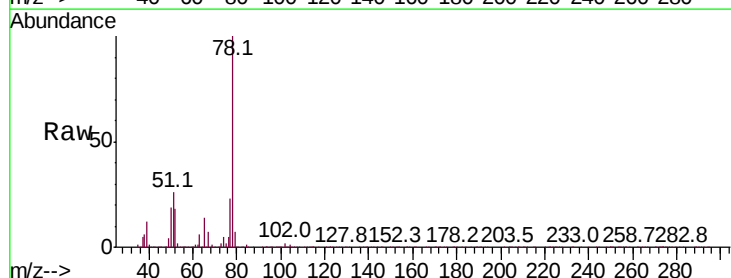
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

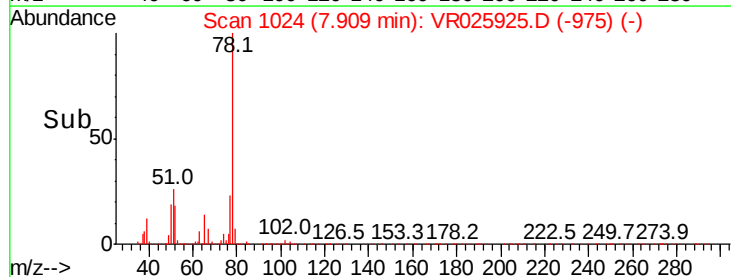
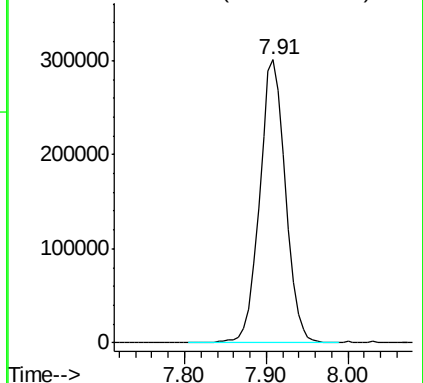
Lab File: VR025925.D

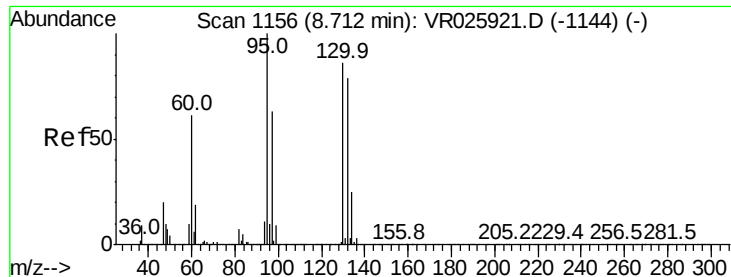
Acq: 2 Oct 2018 13:38

Tgt Ion: 78 Resp: 663585



Abundance Ion 78.10 (77.80 to 78.80): VR0

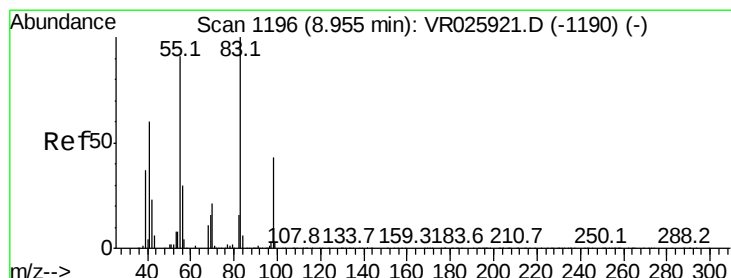
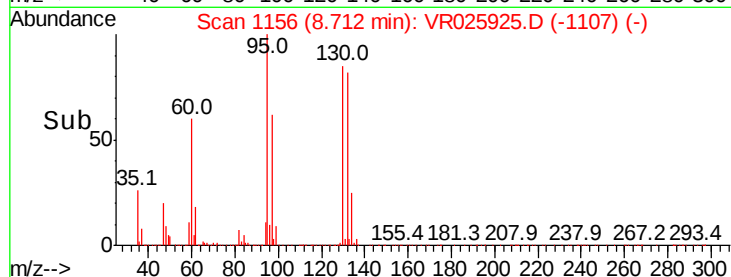
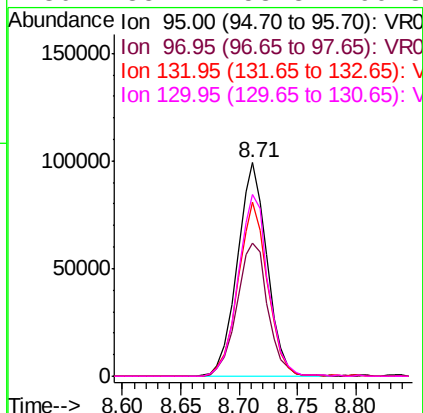
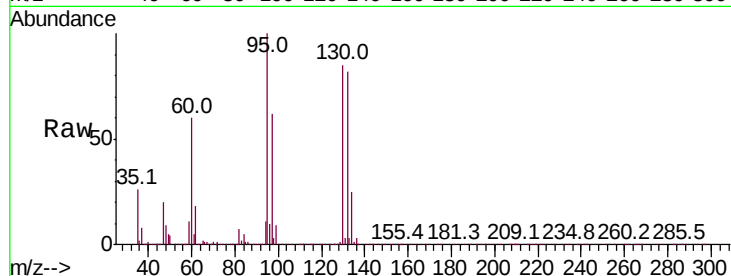




#34
 Trichloroethene
 Concen: 5.275 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR025925.D
 Acq: 2 Oct 2018 13:38

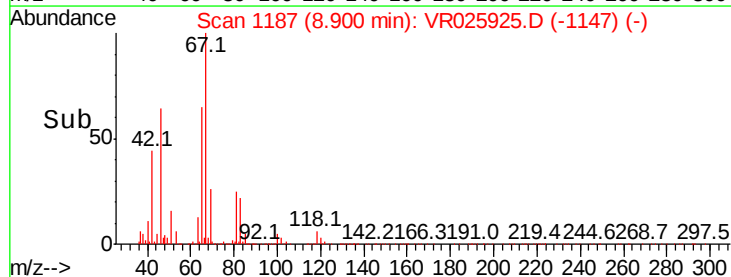
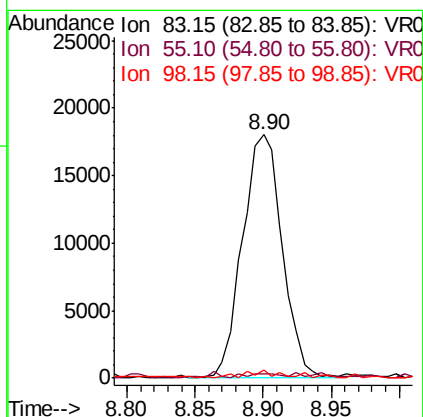
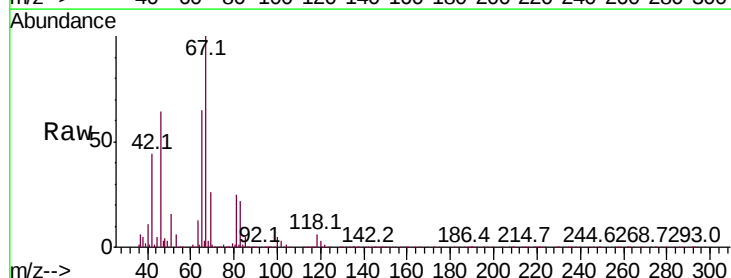
Instrument :
 MSVOA_R
 ClientSampled :

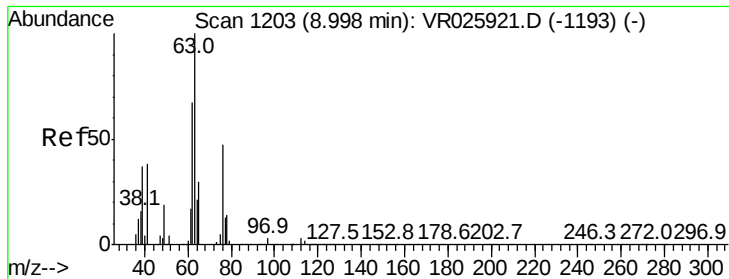
Tot Ion:	95	Resp:	175965
Ion	Ratio	Lower	Upper
95	100		
97	62.4	43.9	81.5
132	81.7	53.3	98.9
130	85.2	53.8	99.8



#35
 Methylcyclohexane
 Concen: 0.738 ug/L
 RT: 8.90 min Scan# 1187
 Delta R.T. -0.05 min
 Lab File: VR025925.D
 Acq: 2 Oct 2018 13:38

Tgt Ion:	83	Resp:	37013
Ion	Ratio	Lower	Upper
83	100		
55	1.6	71.8	107.6#
98	2.9	34.2	51.4#





#37

1,2-Dichloropropane

Concen: 0.094 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

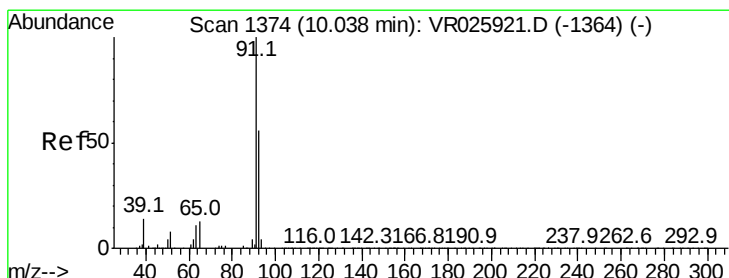
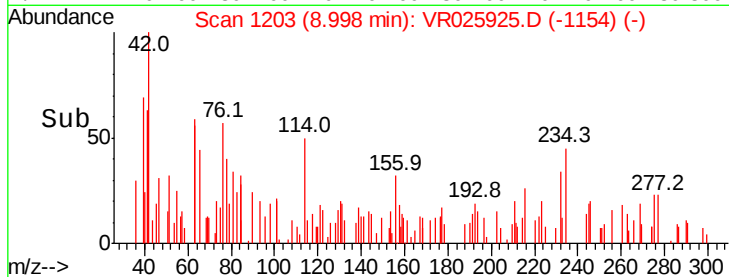
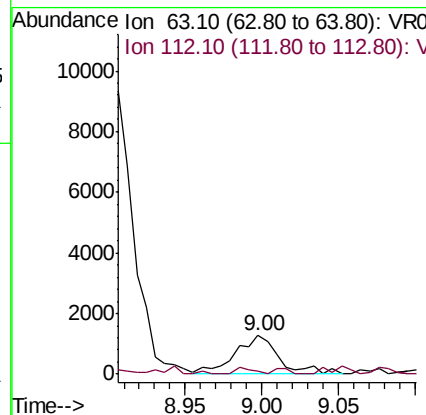
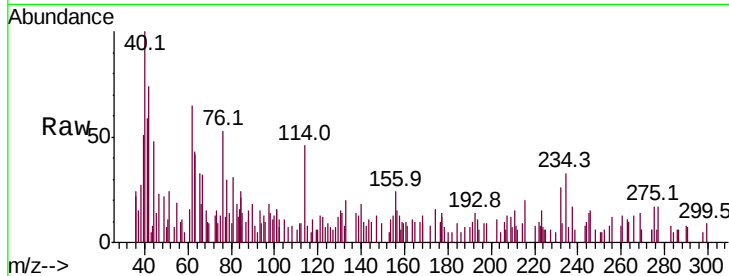
Lab File: VR025925.D

Acq: 2 Oct 2018 13:38

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 2547

Ion	Ratio	Lower	Upper
63	100		
112	6.8	2.5	3.7#



#42

Toluene

Concen: 5.359 ug/L

RT: 10.04 min Scan# 1374

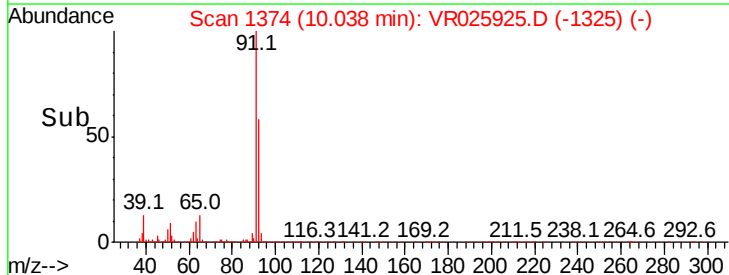
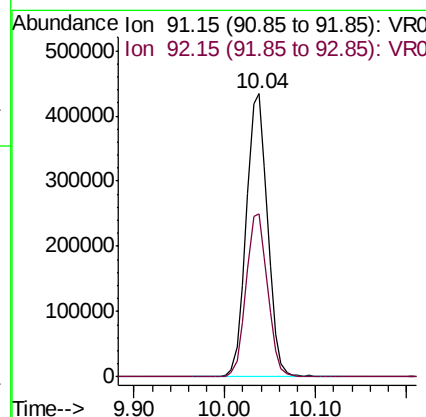
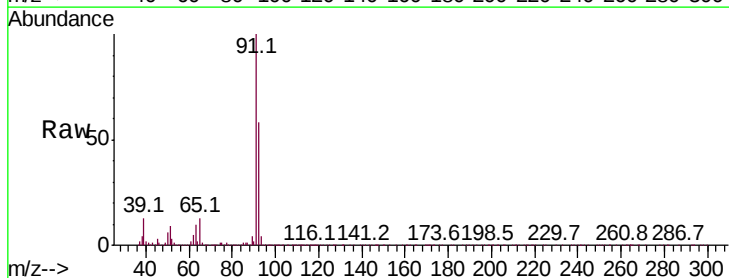
Delta R.T. -0.00 min

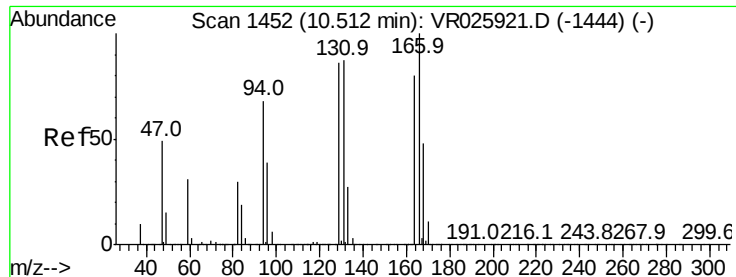
Lab File: VR025925.D

Acq: 2 Oct 2018 13:38

Tgt Ion: 91 Resp: 705016

Ion	Ratio	Lower	Upper
91	100		
92	57.7	41.8	77.6

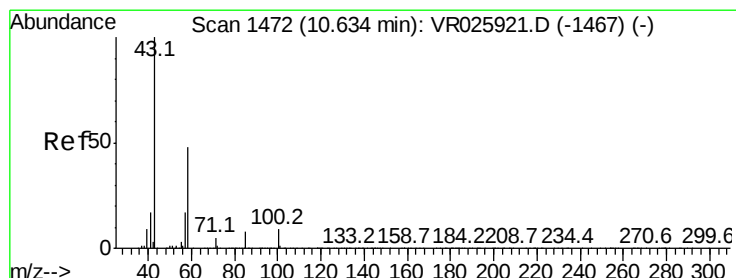
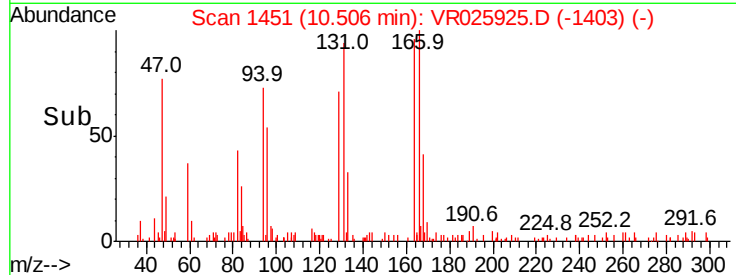
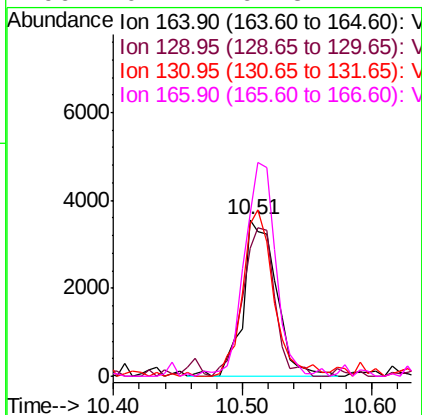
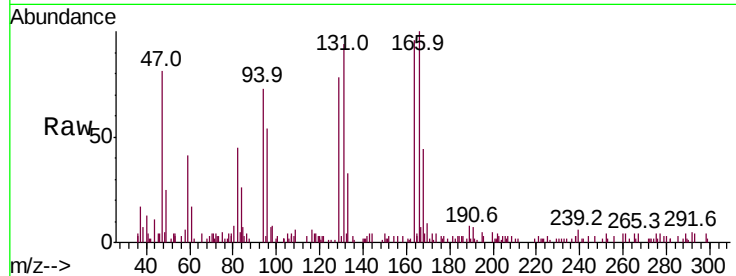




#47
Tetrachloroethene
Concen: 0.306 ug/L
RT: 10.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VR025925.D
Acq: 2 Oct 2018 13:38

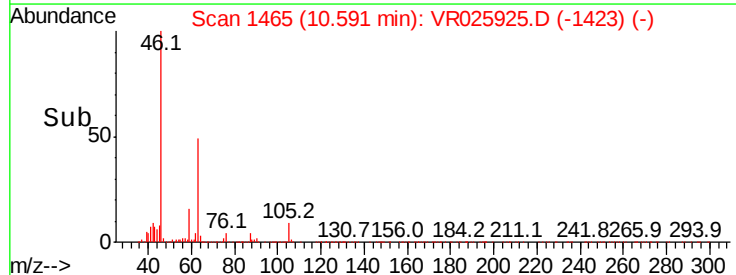
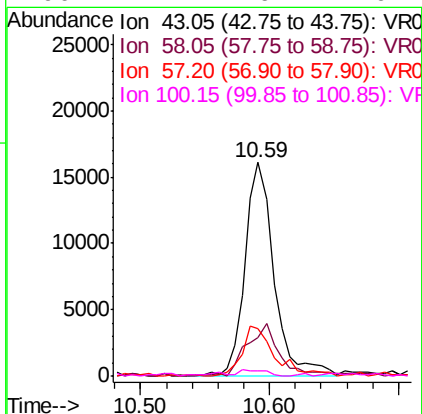
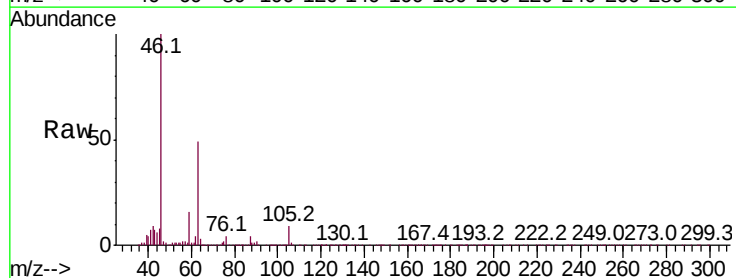
Instrument :
MSVOA_R
ClientSampleId :

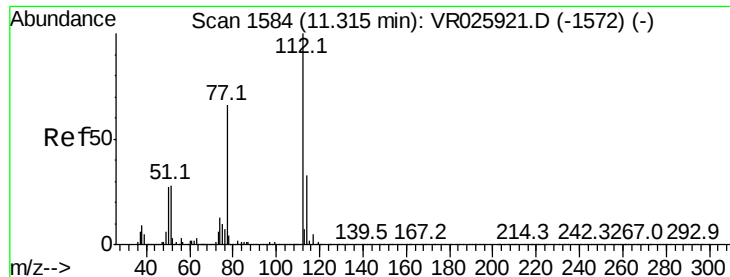
Tot Ion:164 Resp: 6283
Ion Ratio Lower Upper
164 100
129 78.7 80.8 150.2#
131 93.9 74.5 138.3
166 107.1 92.5 171.7



#48
2-Hexanone
Concen: 3.990 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR025925.D
Acq: 2 Oct 2018 13:38

Tgt Ion: 43 Resp: 24950
Ion Ratio Lower Upper
43 100
58 28.5 39.5 59.3#
57 26.3 14.6 21.8#
100 2.7 6.7 10.1#





#51

Chlorobenzene

Concen: 5.345 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR025925.D

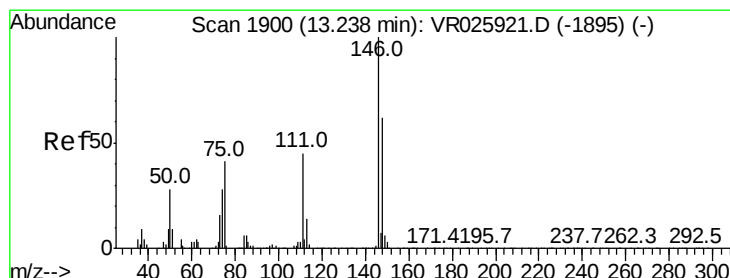
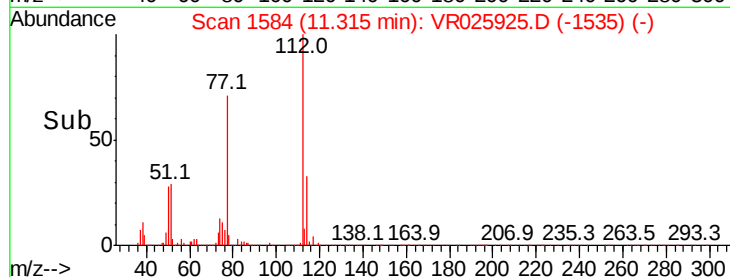
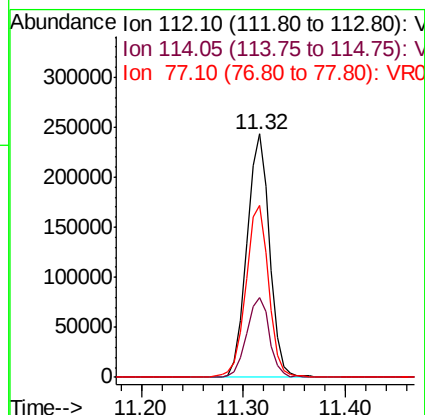
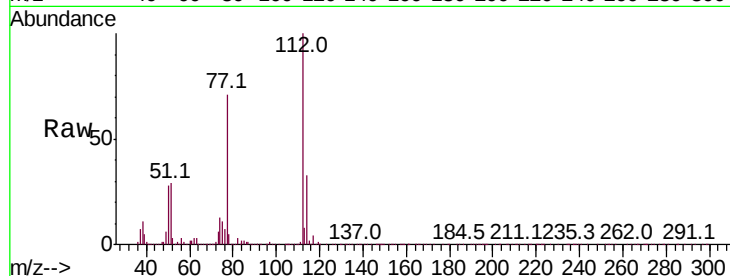
Acq: 2 Oct 2018 13:38

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	112	Resp:	372969
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.7	42.3
77	70.7	58.5	87.7



#63

1,4-Dichlorobenzene

Concen: 0.045 ug/L

RT: 13.23 min Scan# 1898

Delta R.T. -0.01 min

Lab File: VR025925.D

Acq: 2 Oct 2018 13:38

Tgt Ion:	146	Resp:	1696
Ion	Ratio	Lower	Upper
146	100		
111	147.8	32.9	61.1#
148	76.8	45.5	84.5

