

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092618\
 Data File : VR025861.D
 Acq On : 26 Sep 2018 13:51
 Operator : SY/MD
 Sample : J5011-10DL 4X
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 27 07:50:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 07:50:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	377552	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	304277	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	95309	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	119613	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	2.63	69	105630	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	3.63	63	220422	3.37	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	6.59	46	193365	53.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.30%
24) Chloroform-d	7.20	84	241206	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	7.90	65	110764	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	7.85	84	498166	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	8.90	67	140475	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	9.97	98	416629	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	10.24	79	26463	3.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.00%
46) 2-Hexanone-d5	10.59	63	138617	48.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.38%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	55541	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	70916	4.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

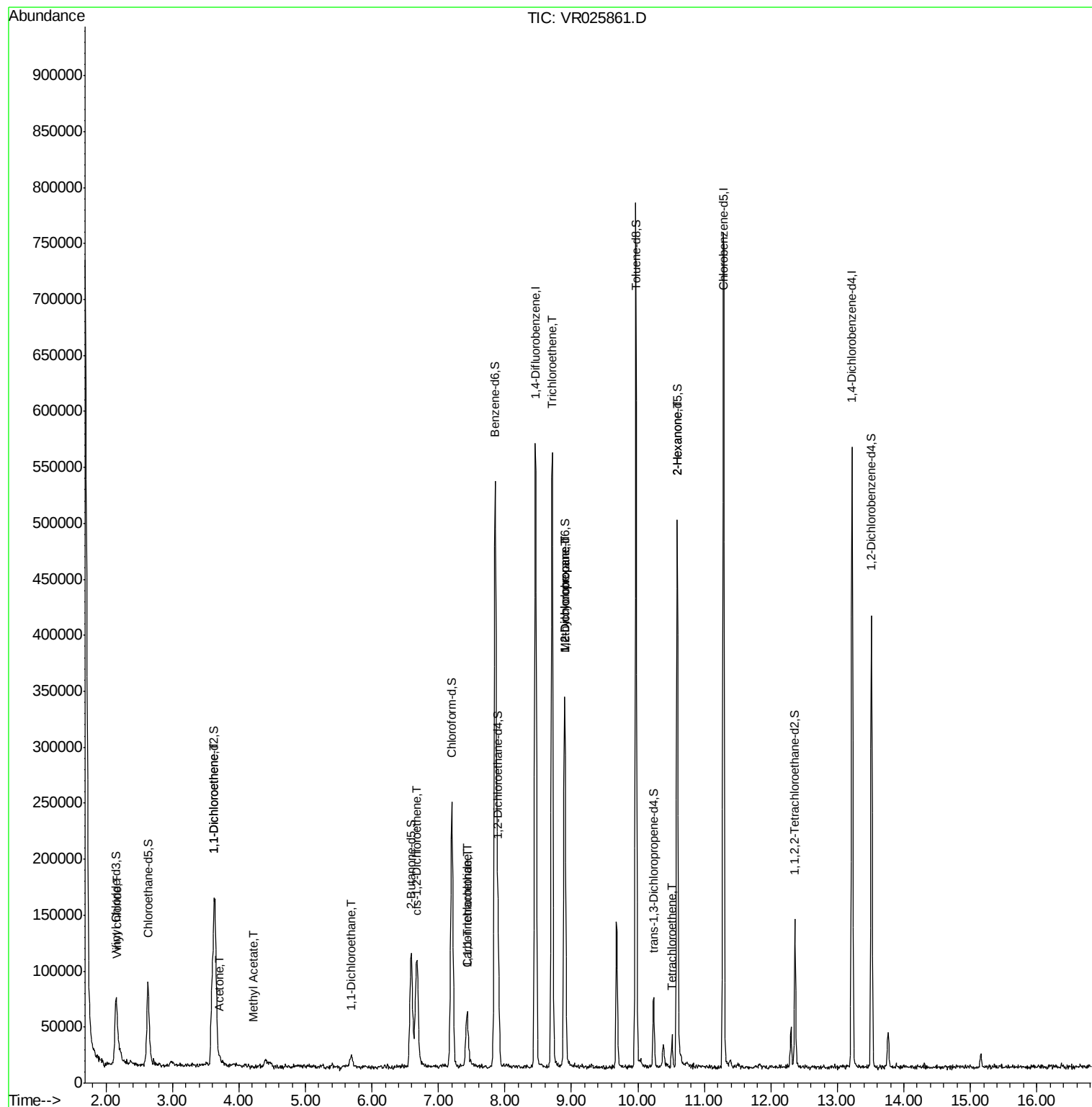
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.17	62	9591	0.237	ug/L	94
12) 1,1-Dichloroethene	3.63	96	3793	0.116	ug/L #	1
13) Acetone	3.70	43	3724	1.566	ug/L	79
15) Methyl Acetate	4.22	43	736	0.096	ug/L #	84
19) 1,1-Dichloroethane	5.69	63	14977	0.199	ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	51228	1.380	ug/L #	95
29) 1,1,1-Trichloroethane	7.43	97	40468	0.658	ug/L	94
31) Carbon tetrachloride	7.43	117	4643	0.092	ug/L	97
34) Trichloroethene	8.71	95	185969	4.387	ug/L	95
35) Methylcyclohexane	8.90	83	32524	0.468	ug/L #	16
37) 1,2-Dichloropropane	8.89	63	17429	0.489	ug/L #	92
47) Tetrachloroethene	10.51	164	4893	0.202	ug/L	91
48) 2-Hexanone	10.59	43	20541	2.519	ug/L #	69

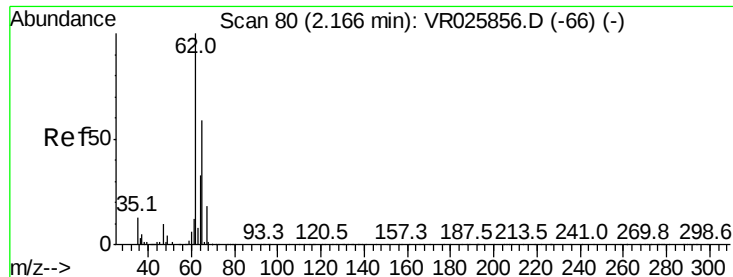
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 27 07:50:08 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.237 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

Instrument :

MSVOA_R

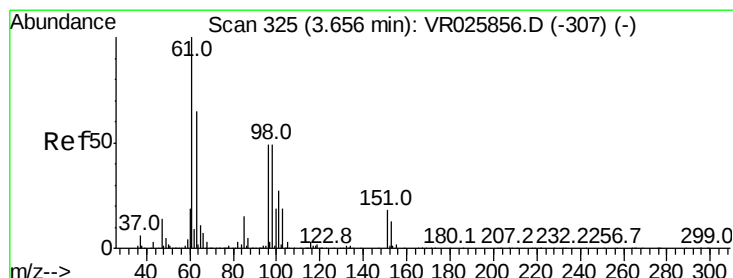
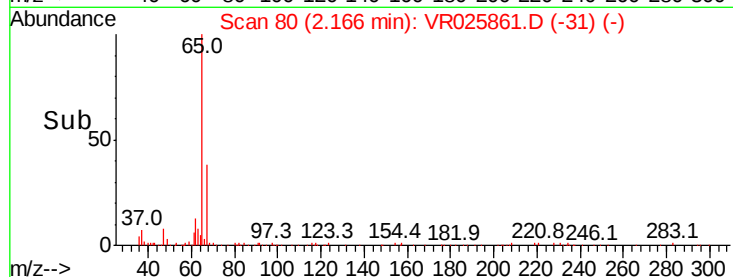
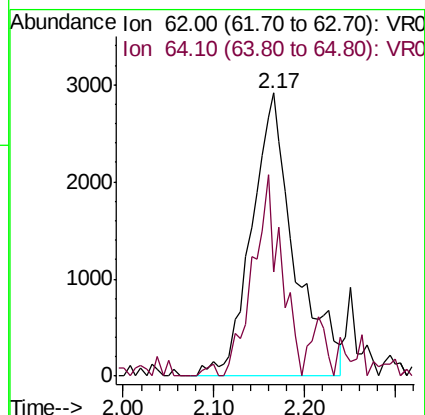
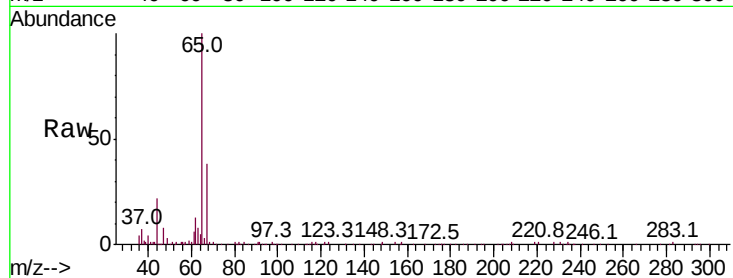
ClientSampleId :

Tot Ion: 62 Resp: 9591

Ion Ratio Lower Upper

62 100

64 37.0 23.5 43.7



#12

1,1-Dichloroethene

Concen: 0.116 ug/L

RT: 3.63 min Scan# 321

Delta R.T. -0.02 min

Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

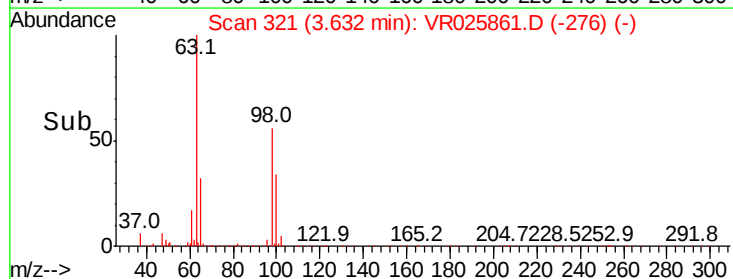
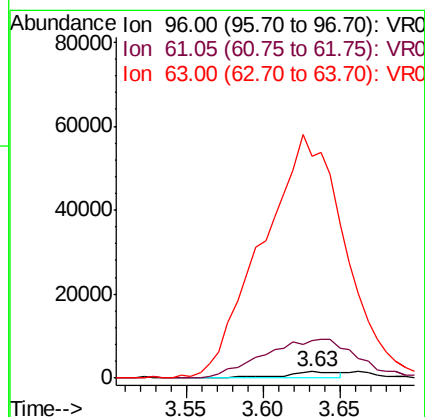
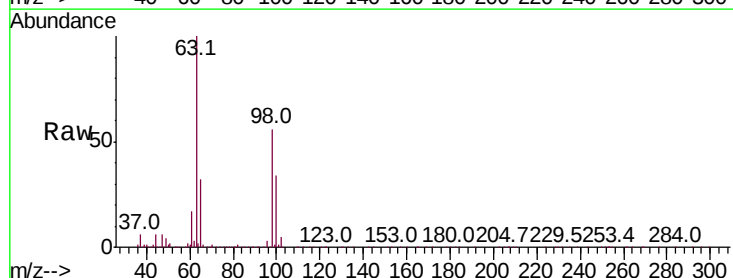
Tgt Ion: 96 Resp: 3793

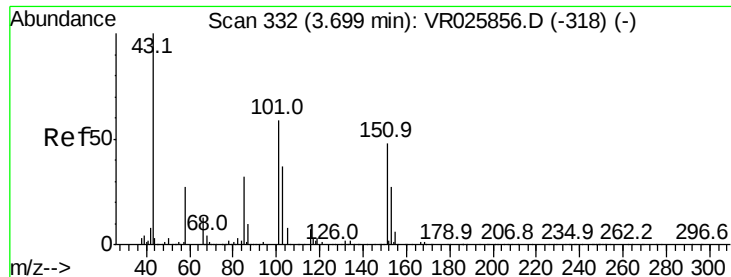
Ion Ratio Lower Upper

96 100

61 574.9 145.0 269.4#

63 3398.2 123.8 230.0#





#13

Acetone

Concen: 1.566 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

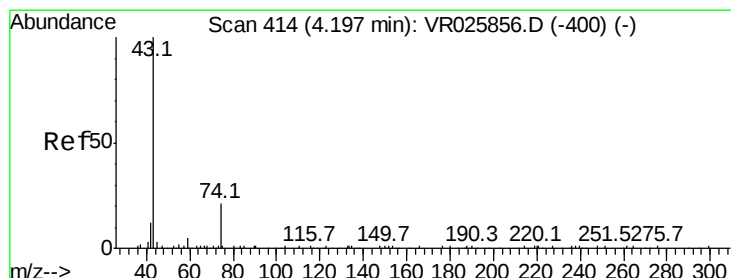
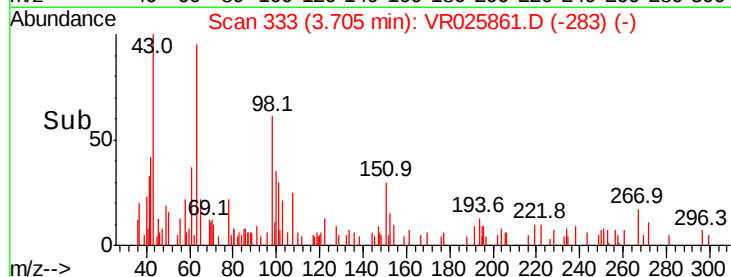
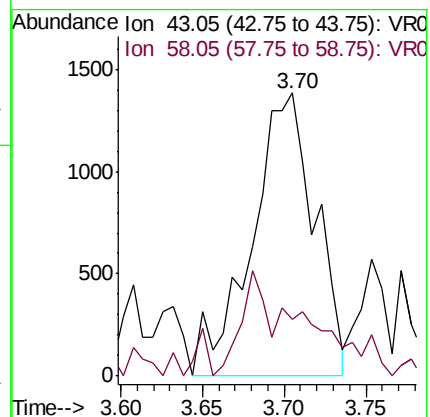
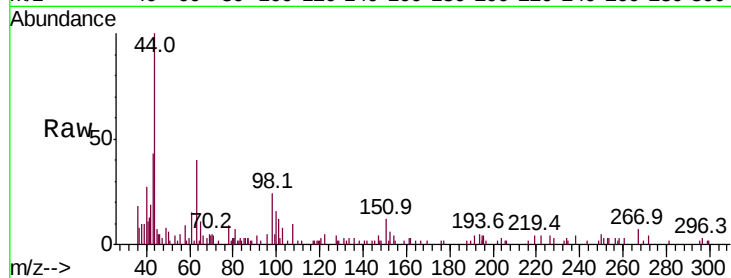
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 3724

Ion Ratio Lower Upper

43 100

58 15.1 0.0 51.4



#15

Methyl Acetate

Concen: 0.096 ug/L

RT: 4.22 min Scan# 417

Delta R.T. 0.02 min

Lab File: VR025861.D

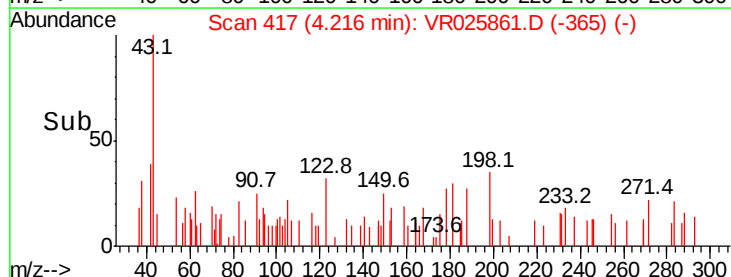
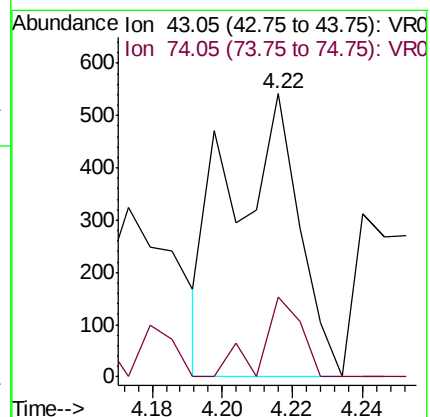
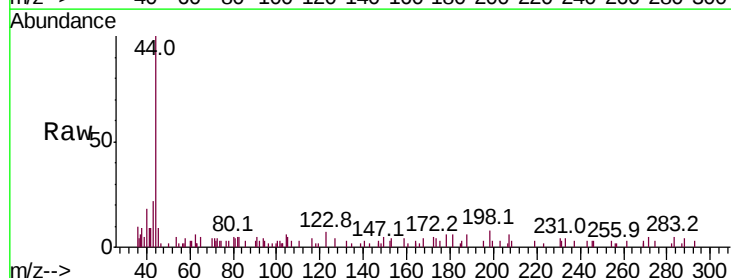
Acq: 26 Sep 2018 13:51

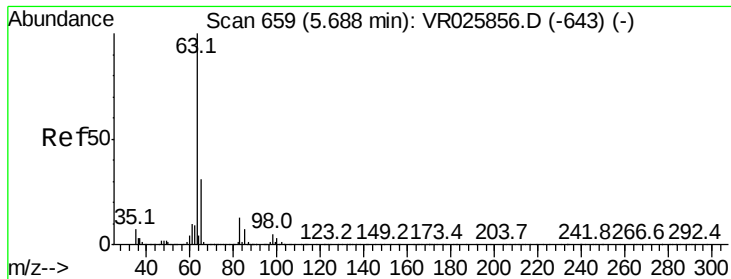
Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

43 100

74 16.0 19.0 28.4#

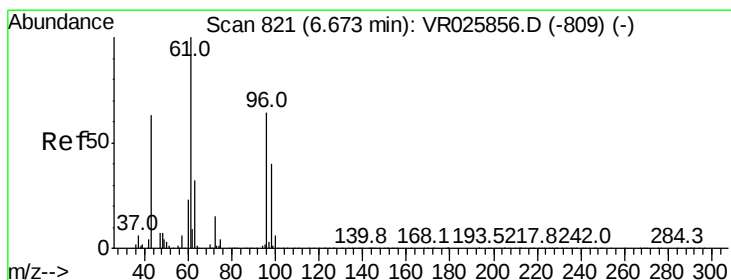
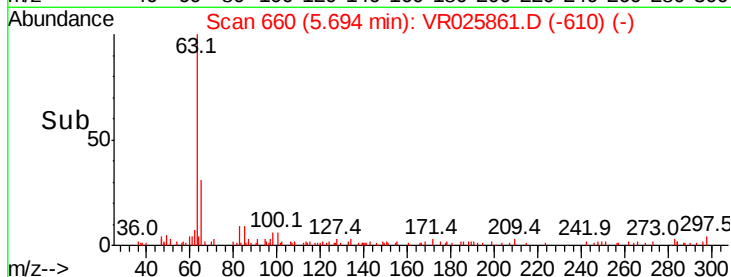
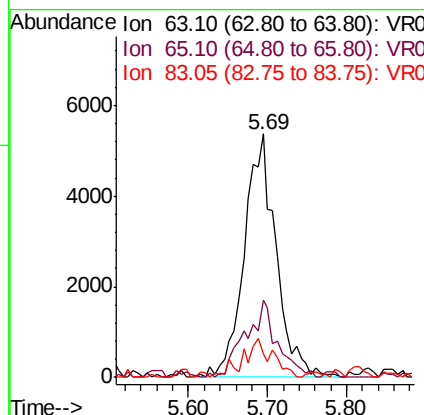
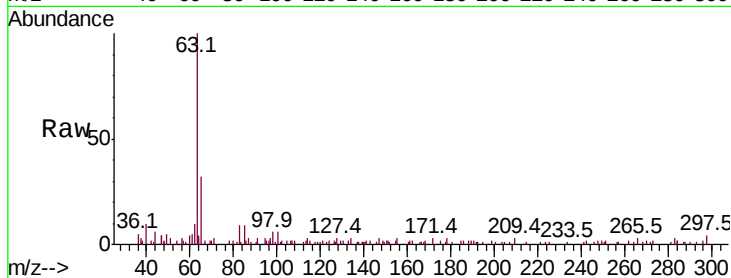




#19
 1,1-Dichloroethane
 Concen: 0.199 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR025861.D
 Acq: 26 Sep 2018 13:51

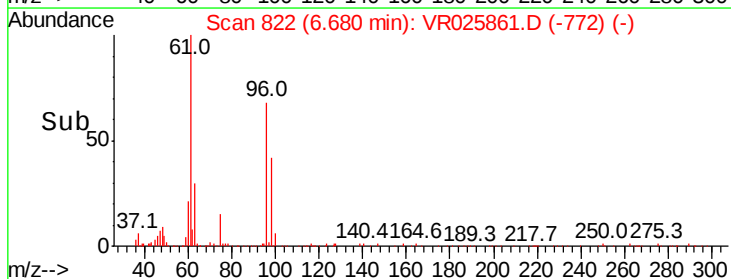
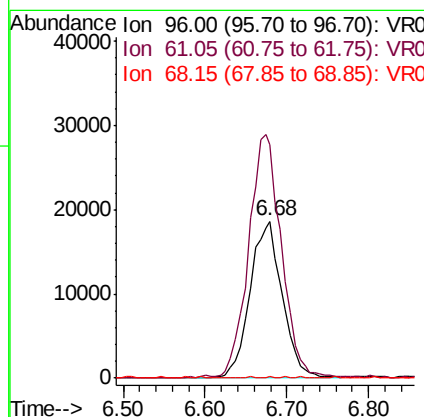
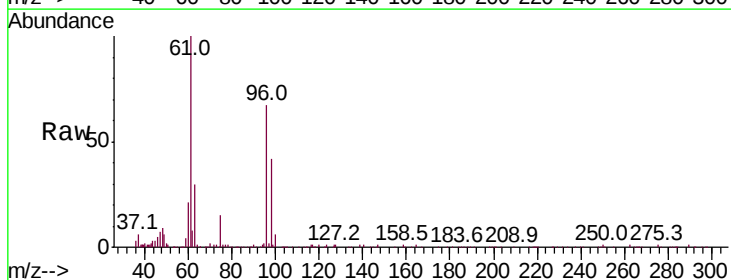
Instrument :
 MSVOA_R
 ClientSampleId :

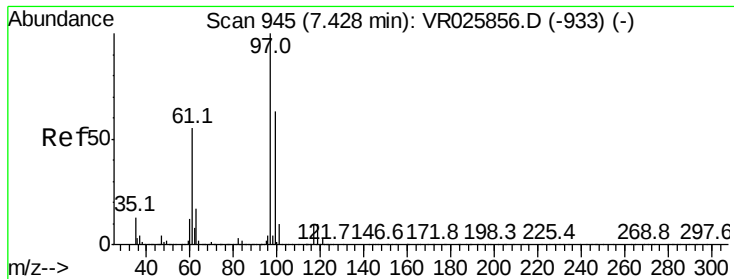
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.1	39.1
83	9.1	8.9	16.5



#22
 cis-1,2-Dichloroethene
 Concen: 1.380 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VR025861.D
 Acq: 26 Sep 2018 13:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.3	108.7	201.9
68	0.9	0.1	0.1#





#29

1,1,1-Trichloroethane

Concen: 0.658 ug/L

RT: 7.43 min Scan# 945

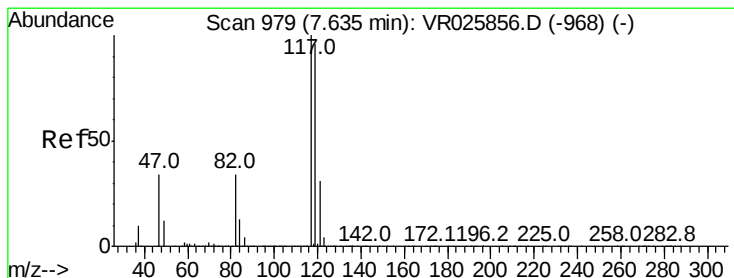
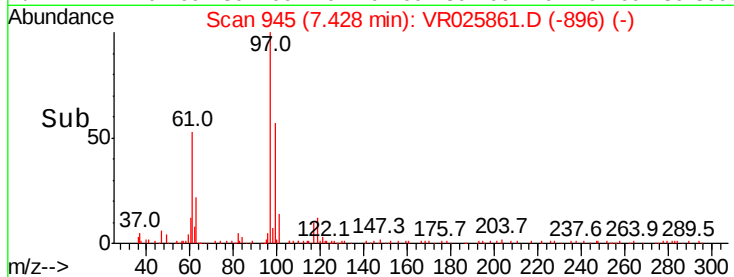
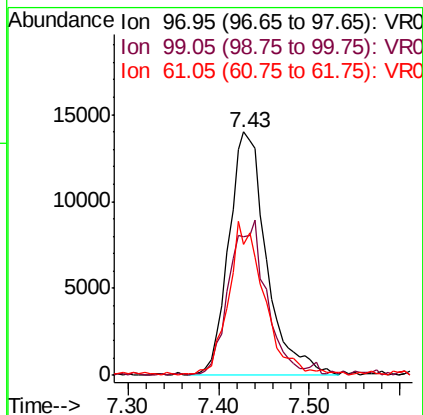
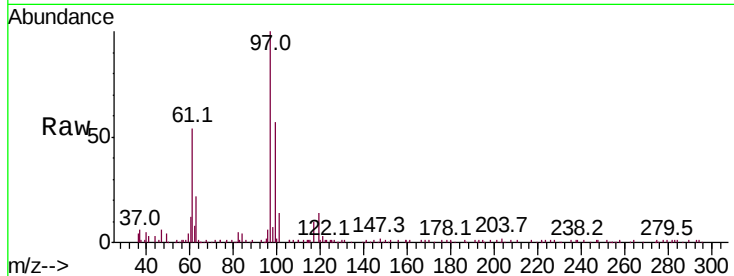
Delta R.T. 0.00 min

Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	97	Resp:	40468
Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.6
61	60.1	41.6	62.4



#31

Carbon tetrachloride

Concen: 0.092 ug/L

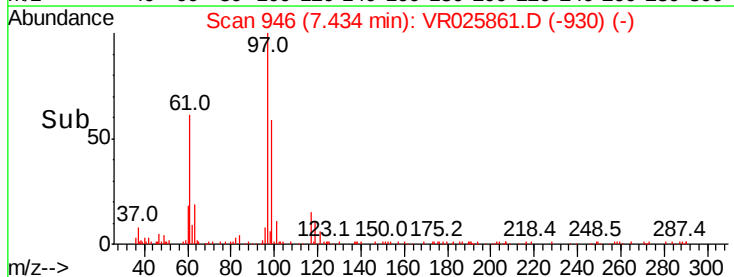
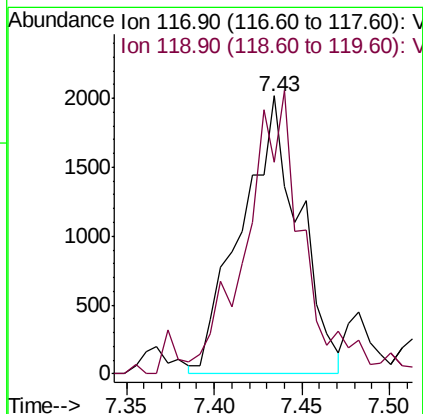
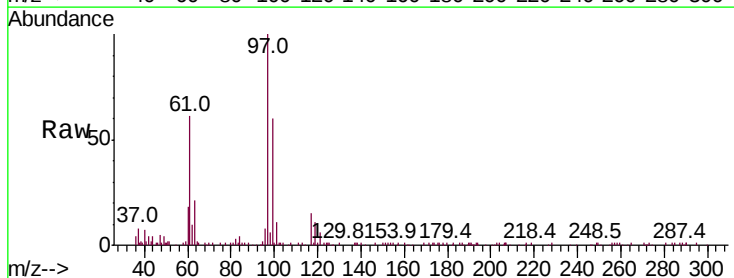
RT: 7.43 min Scan# 946

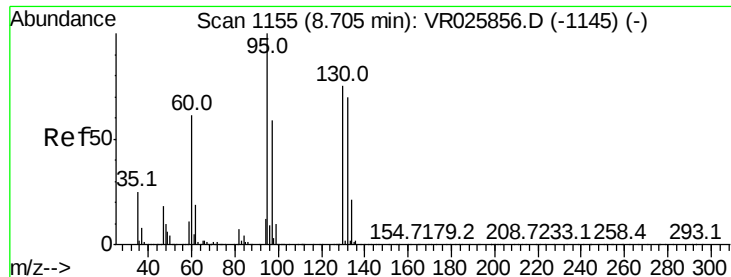
Delta R.T. -0.20 min

Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

Tgt Ion:	117	Resp:	4643
Ion	Ratio	Lower	Upper
117	100		
119	91.9	75.6	113.4





#34

Trichloroethene

Concen: 4.387 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 95 Resp: 185969

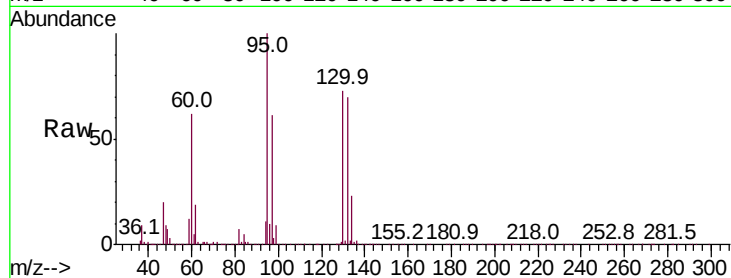
Ion Ratio Lower Upper

95 100

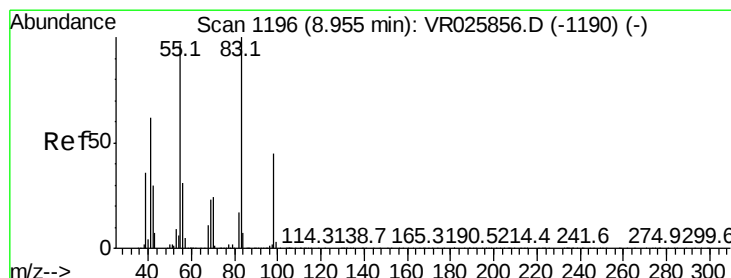
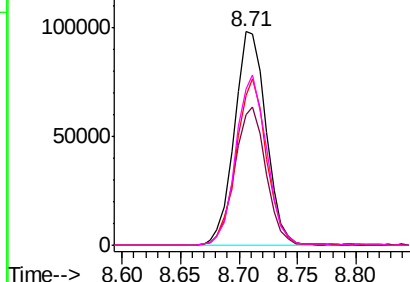
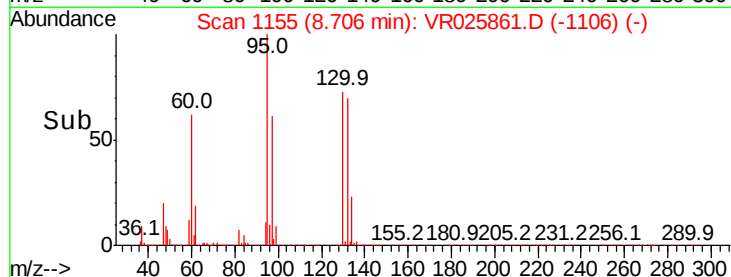
97 61.2 43.9 81.5

132 69.8 53.3 98.9

130 73.2 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: 0.468 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

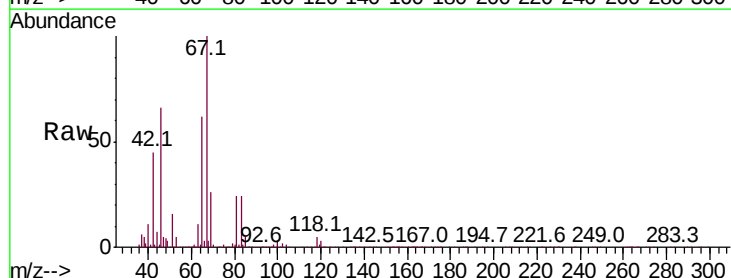
Tgt Ion: 83 Resp: 32524

Ion Ratio Lower Upper

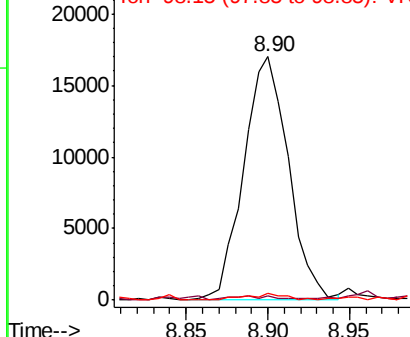
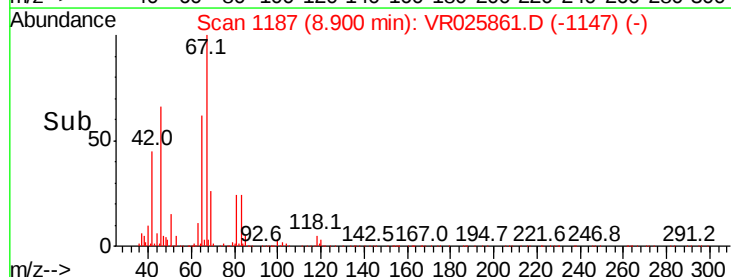
83 100

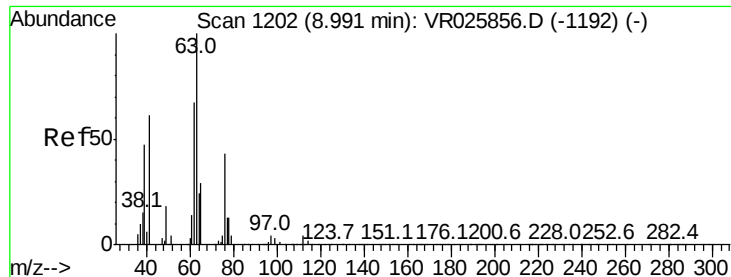
55 1.0 71.8 107.6#

98 2.6 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: 0.489 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.10 min

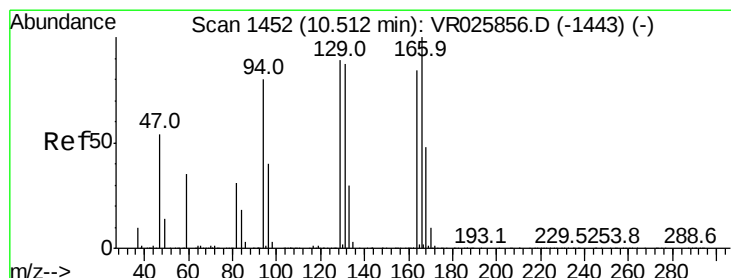
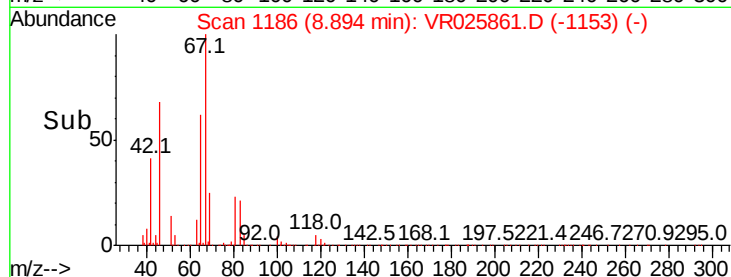
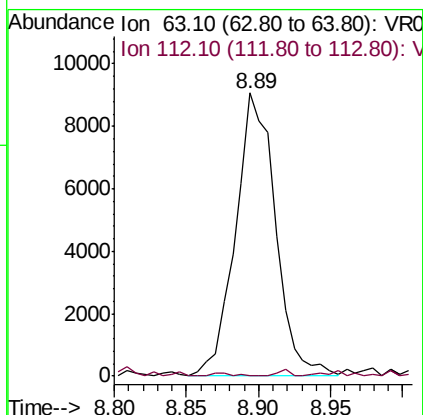
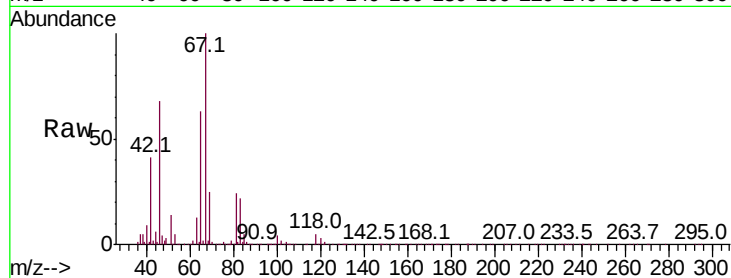
Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

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MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 17429

Ion	Ratio	Lower	Upper
63	100		
112	0.5	2.5	3.7#



#47

Tetrachloroethene

Concen: 0.202 ug/L

RT: 10.51 min Scan# 1452

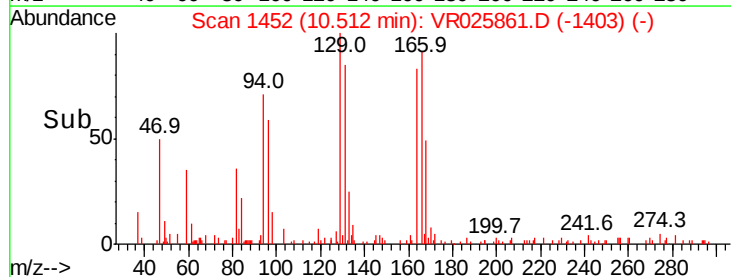
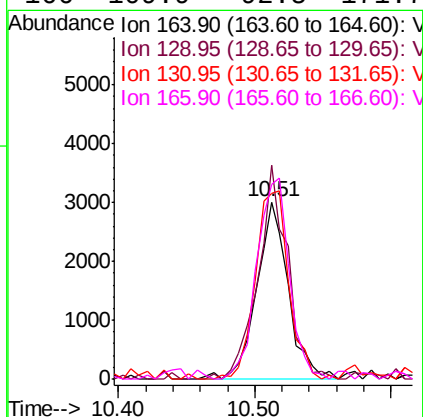
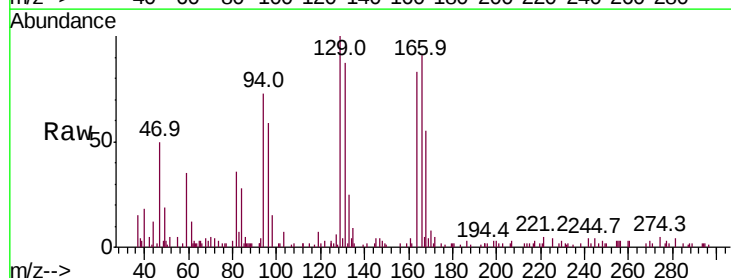
Delta R.T. 0.00 min

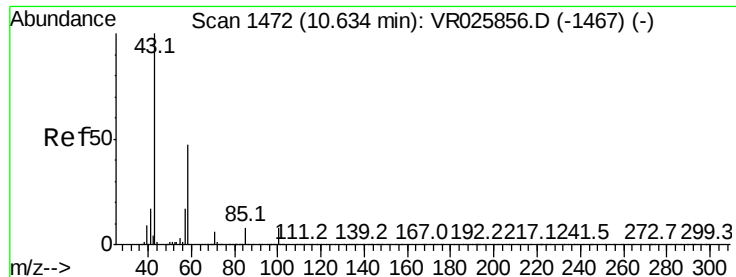
Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

Tgt Ion: 164 Resp: 4893

Ion	Ratio	Lower	Upper
164	100		
129	120.5	80.8	150.2
131	104.9	74.5	138.3
166	109.9	92.5	171.7





#48

2-Hexanone

Concen: 2.519 ug/L

RT: 10.59 min Scan# 1464

Delta R.T. -0.05 min

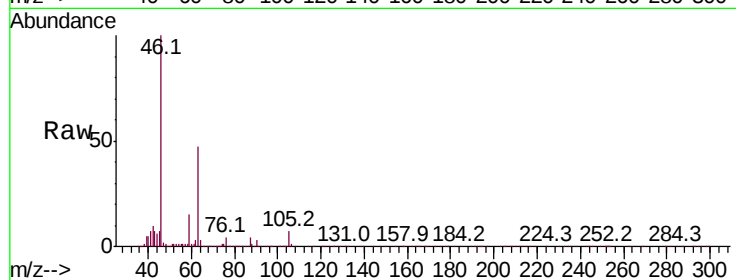
Lab File: VR025861.D

Acq: 26 Sep 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :



Tot Ion:	43	Resp:	20541
Ion Ratio	Lower	Upper	
43	100		
58	21.8	39.5	59.3#
57	23.3	14.6	21.8#
100	1.3	6.7	10.1#

