

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092618\
 Data File : VR025860.D
 Acq On : 26 Sep 2018 13:09
 Operator : SY/MD
 Sample : J5011-10
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 27 07:50:47 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	370999	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	305707	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	95837	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	118576	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.63	69	105075	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	3.63	63	230906	3.59	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	6.59	46	190133	53.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.38%
24) Chloroform-d	7.20	84	240444	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	7.89	65	108070	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	7.85	84	492829	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	8.90	67	141807	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	9.97	98	413693	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	10.24	79	23558	2.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	55.00%
46) 2-Hexanone-d5	10.59	63	135207	47.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.54%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	54311	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	68489	4.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.15	62	50758	1.274	ug/L	100
12) 1,1-Dichloroethene	3.66	96	25904	0.809	ug/L #	35
13) Acetone	3.70	43	8863	3.793	ug/L	98
15) Methyl Acetate	4.18	43	747	0.100	ug/L	90
19) 1,1-Dichloroethane	5.69	63	70684	0.955	ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	229695	6.298	ug/L #	99
29) 1,1,1-Trichloroethane	7.43	97	204183	3.307	ug/L	96
31) Carbon tetrachloride	7.43	117	22394	0.441	ug/L	99
34) Trichloroethene	8.71	95	968496	22.737	ug/L	97
35) Methylcyclohexane	8.90	83	32362	0.463	ug/L #	15
37) 1,2-Dichloropropane	8.90	63	18214	0.509	ug/L #	93
45) 1,1,2-Trichloroethane	10.45	97	1108	0.074	ug/L #	66
47) Tetrachloroethene	10.51	164	20331	0.835	ug/L	94
48) 2-Hexanone	10.59	43	22244	2.715	ug/L #	73
49) Dibromochloromethane	10.51	129	20026	1.281	ug/L #	11
65) 1,2-Dichlorobenzene	13.53	146	4466	0.132	ug/L #	78

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 27 07:50:08 2018
Response via : Initial Calibration

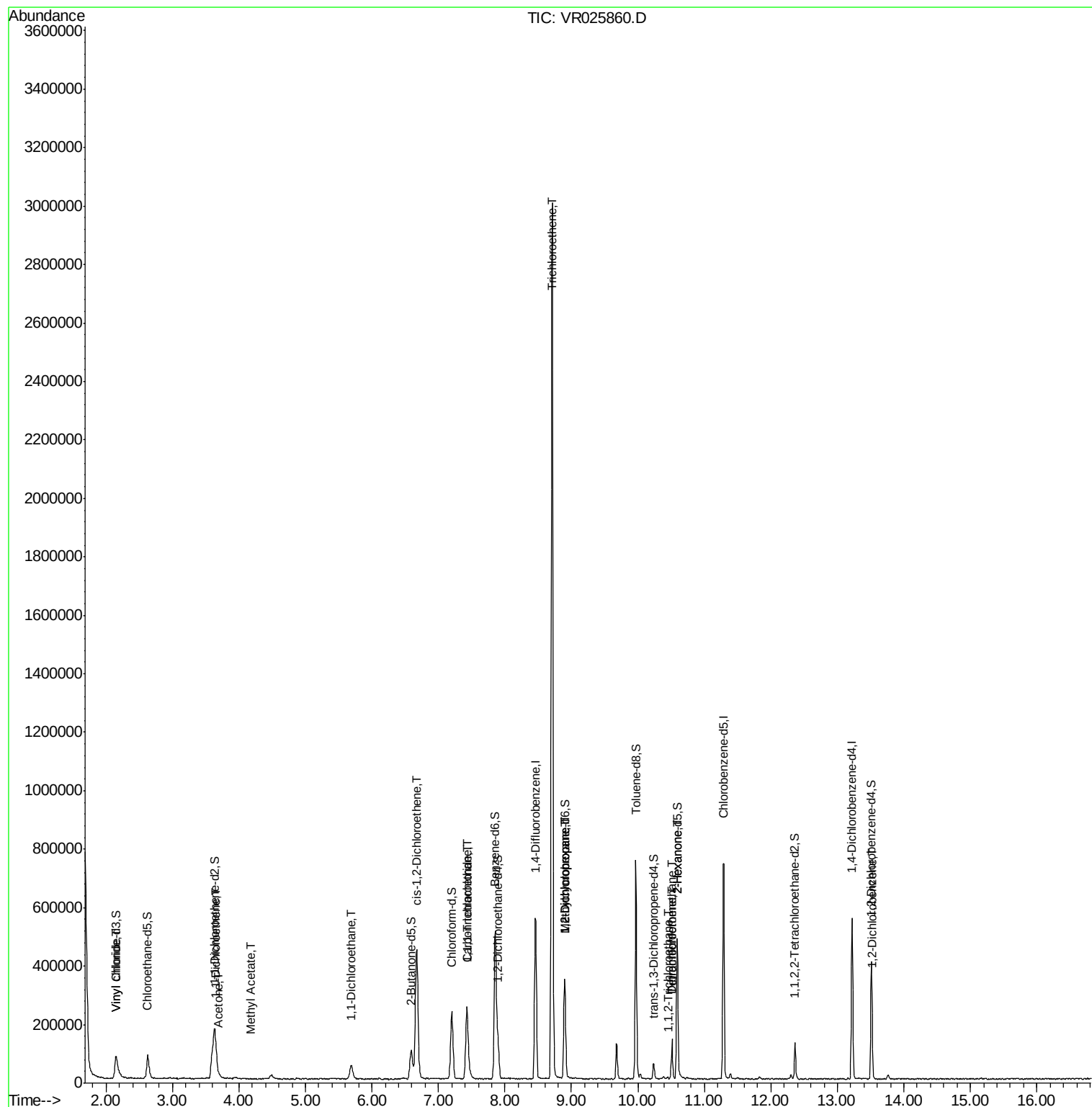
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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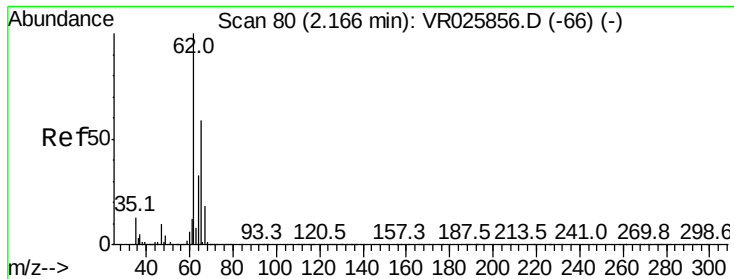
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 1.274 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

Instrument :

MSVOA_R

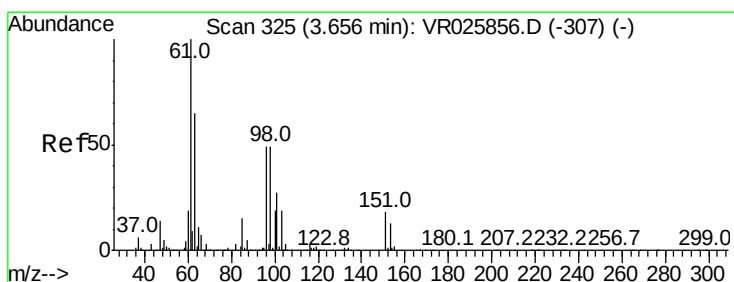
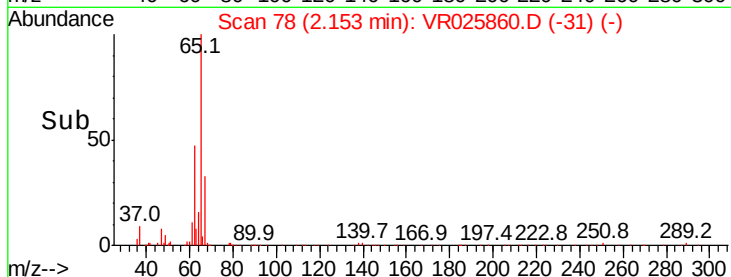
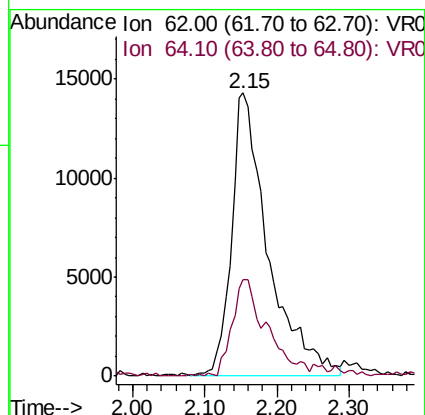
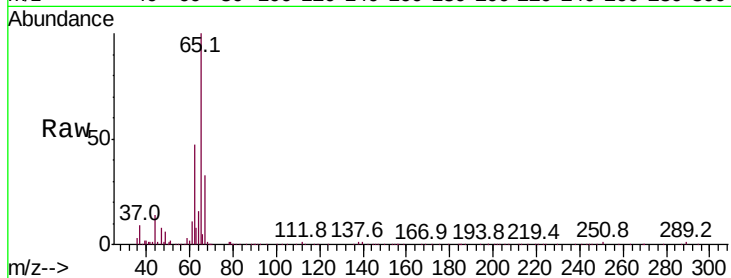
ClientSampled :

Tot Ion: 62 Resp: 50758

Ion Ratio Lower Upper

62 100

64 33.9 23.5 43.7



#12

1,1-Dichloroethene

Concen: 0.809 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.00 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

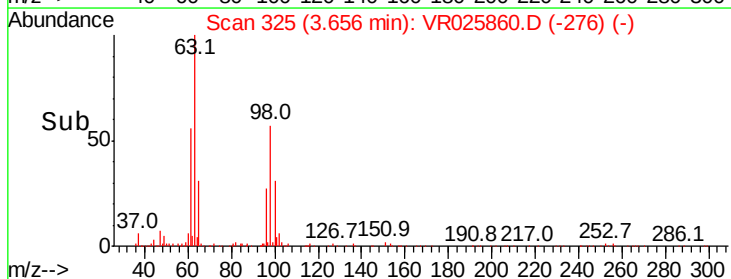
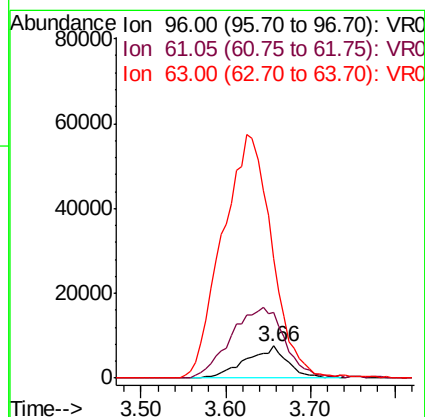
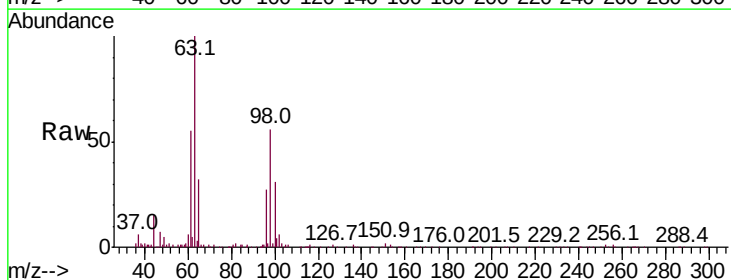
Tgt Ion: 96 Resp: 25904

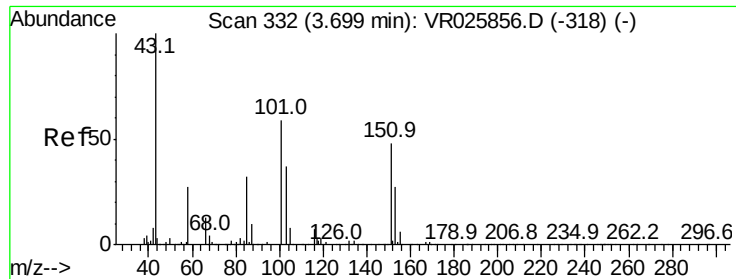
Ion Ratio Lower Upper

96 100

61 207.3 145.0 269.4

63 374.8 123.8 230.0#





#13

Acetone

Concen: 3.793 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

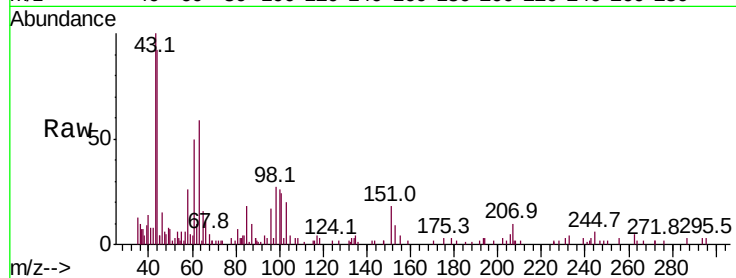
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 8863

Ion Ratio Lower Upper

43 100

58 24.8 0.0 51.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.70

4000

3000

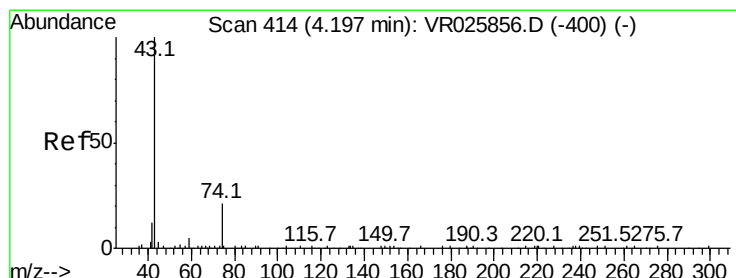
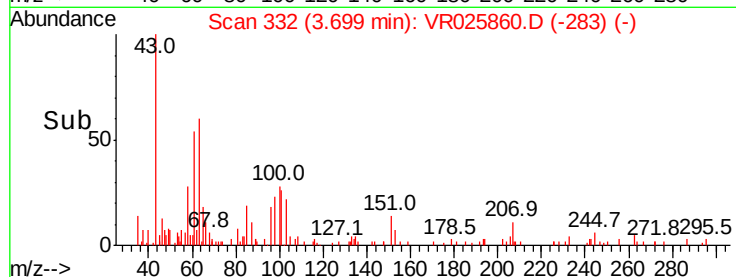
2000

1000

0

3.60 3.65 3.70 3.75 3.80

Time-->



#15

Methyl Acetate

Concen: 0.100 ug/L

RT: 4.18 min Scan# 411

Delta R.T. -0.02 min

Lab File: VR025860.D

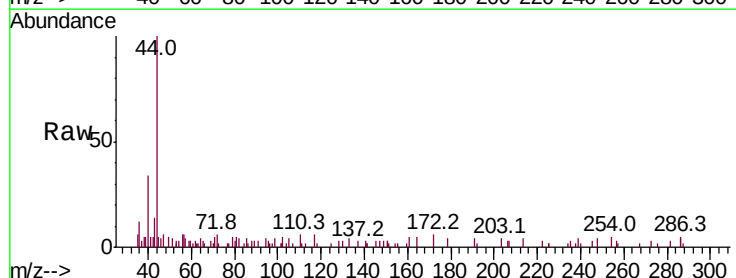
Acq: 26 Sep 2018 13:09

Tgt Ion: 43 Resp: 747

Ion Ratio Lower Upper

43 100

74 28.4 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

600

500

400

300

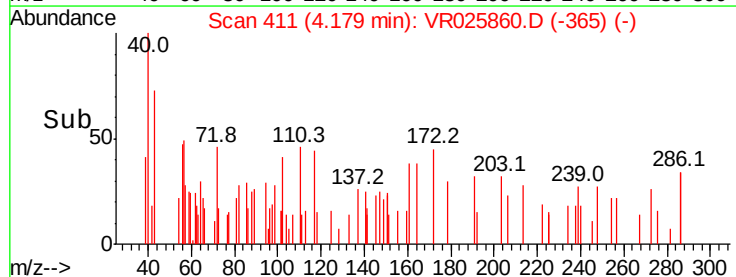
200

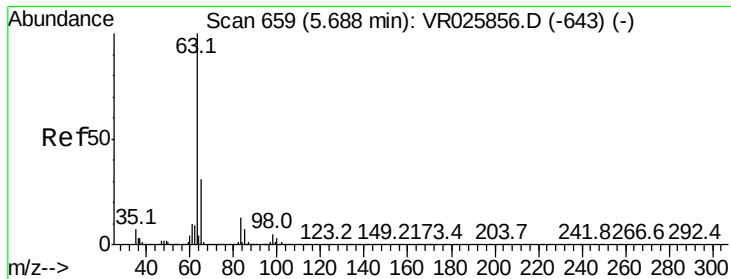
100

0

4.16 4.18 4.20 4.22

Time-->

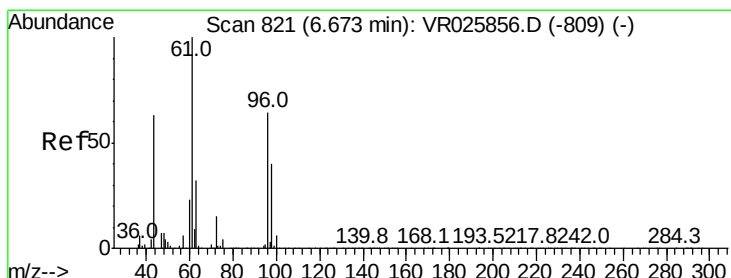
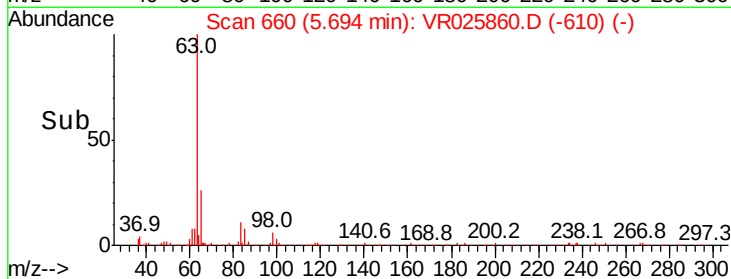
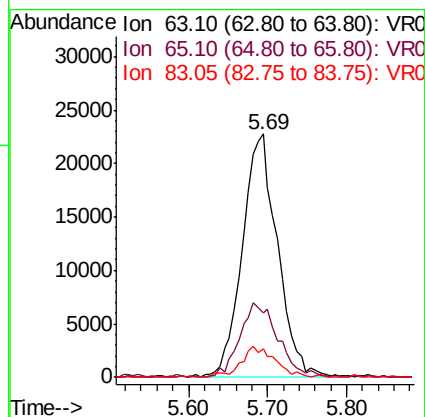
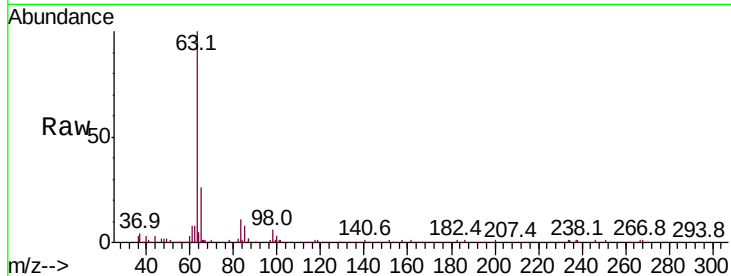




#19
 1,1-Dichloroethane
 Concen: 0.955 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR025860.D
 Acq: 26 Sep 2018 13:09

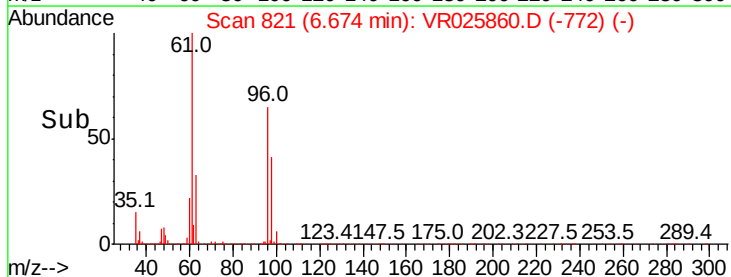
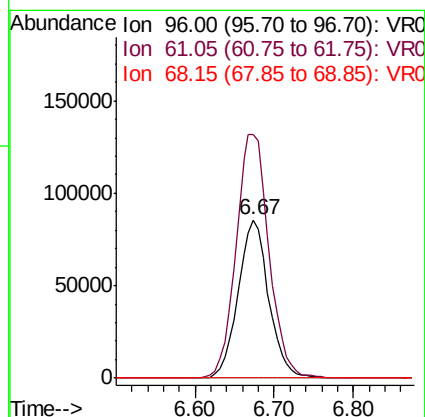
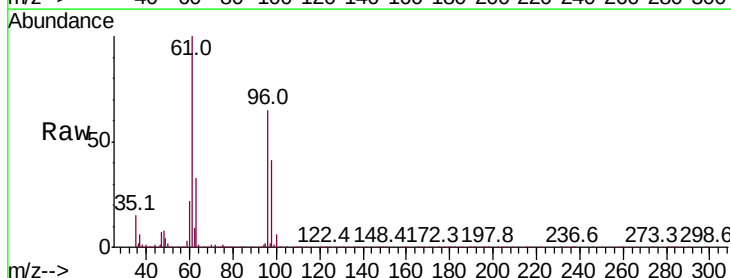
Instrument :
 MSVOA_R
 ClientSampleId :

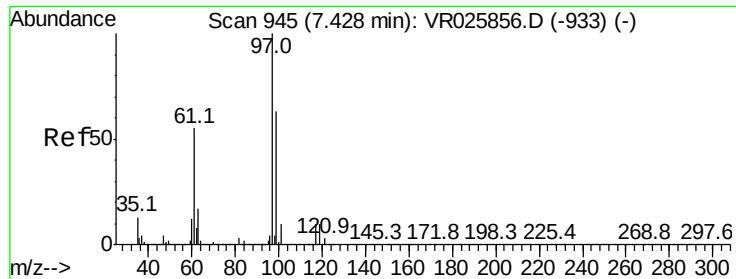
Tot Ion	Ratio	Lower	Upper
63	100		
65	27.2	21.1	39.1
83	11.7	8.9	16.5



#22
 cis-1,2-Dichloroethene
 Concen: 6.298 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: VR025860.D
 Acq: 26 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.7	108.7	201.9
68	0.3	0.1	0.1#

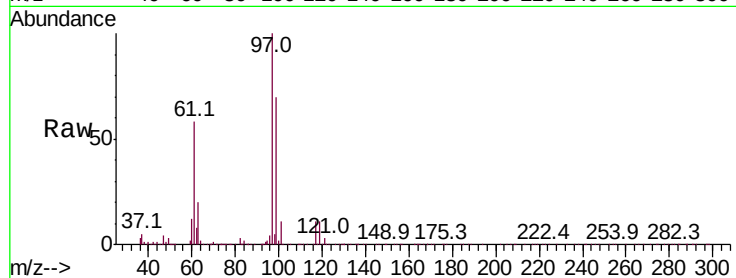




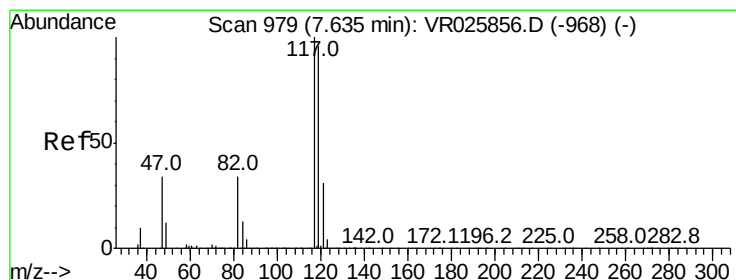
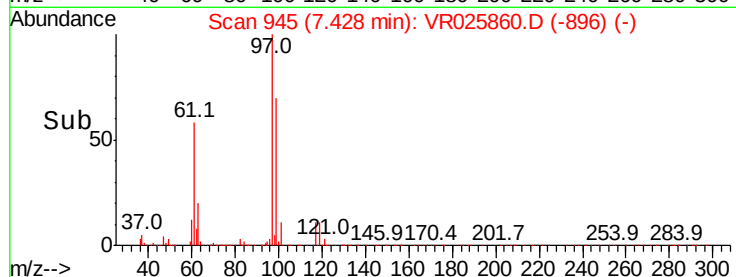
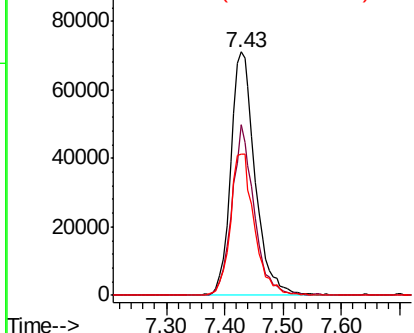
#29
 1,1,1-Trichloroethane
 Concen: 3.307 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR025860.D
 Acq: 26 Sep 2018 13:09

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	57.8	41.6	62.4

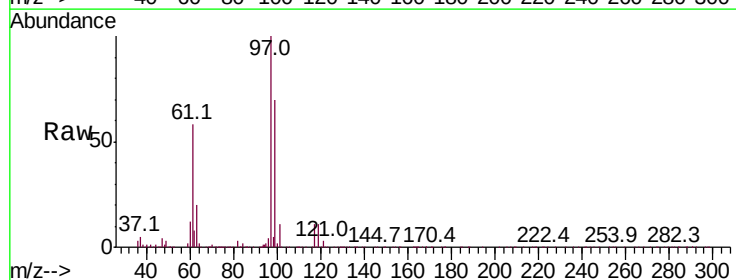


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

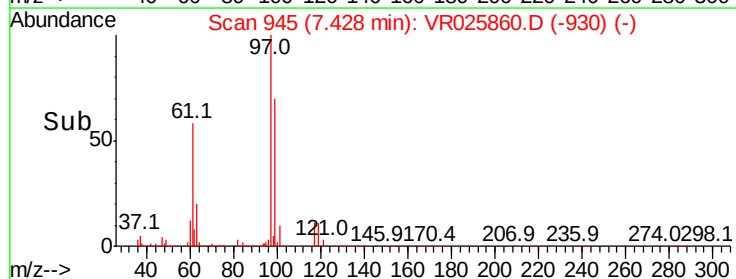
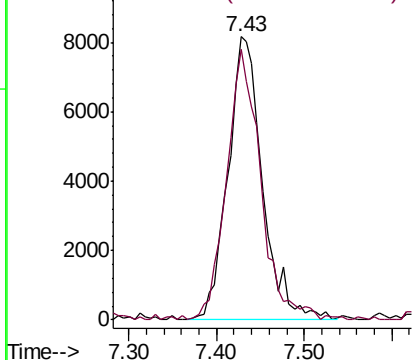


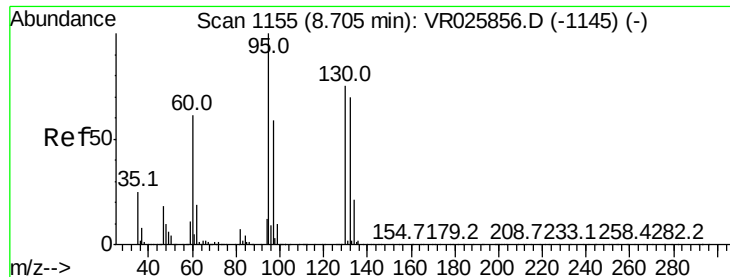
#31
 Carbon tetrachloride
 Concen: 0.441 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.21 min
 Lab File: VR025860.D
 Acq: 26 Sep 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.6	113.4



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 22.737 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 968496

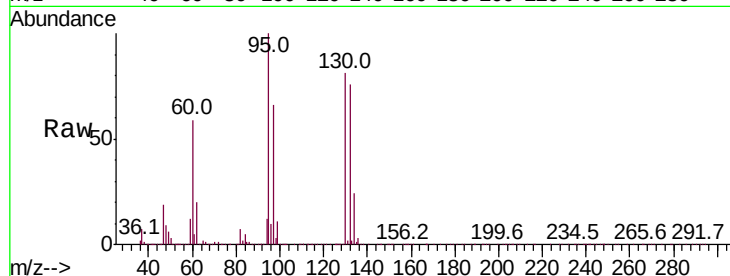
Ion Ratio Lower Upper

95 100

97 65.6 43.9 81.5

132 75.9 53.3 98.9

130 81.4 53.8 99.8

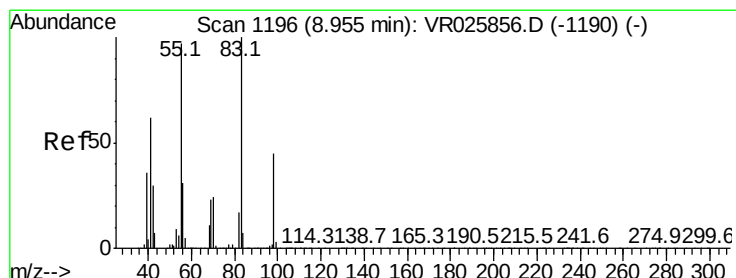
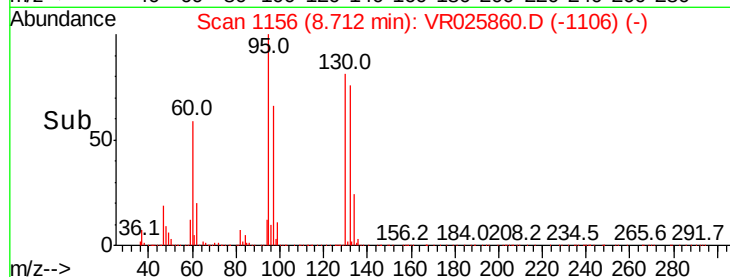
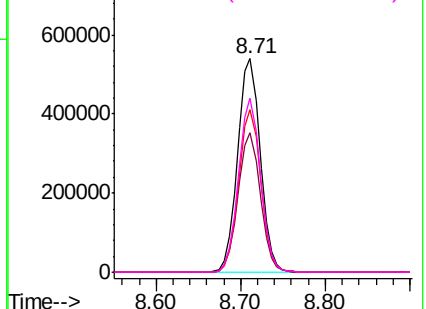


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.463 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

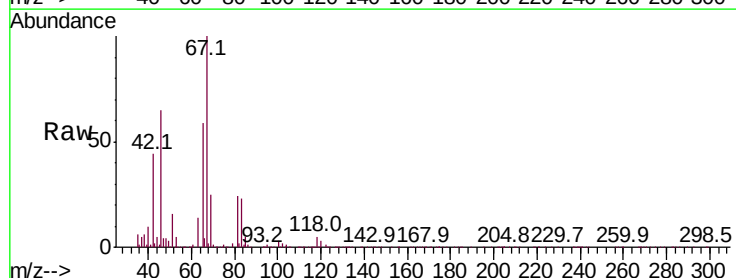
Tgt Ion: 83 Resp: 32362

Ion Ratio Lower Upper

83 100

55 1.2 71.8 107.6#

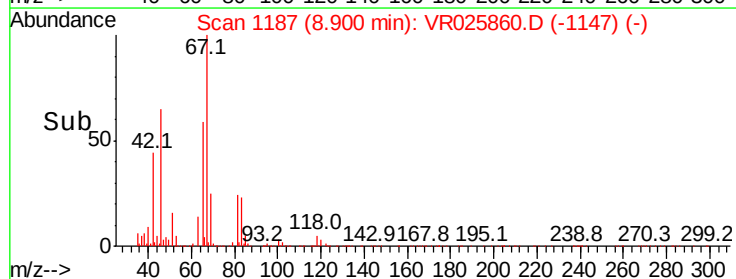
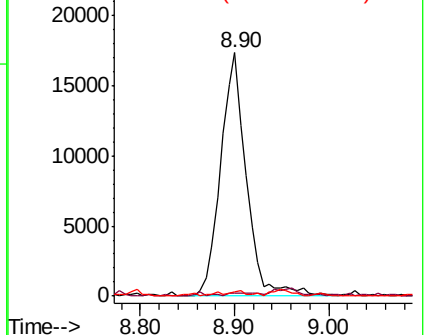
98 0.0 34.2 51.4#

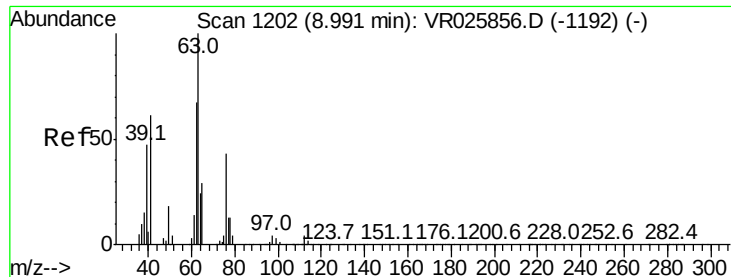


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.509 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.09 min

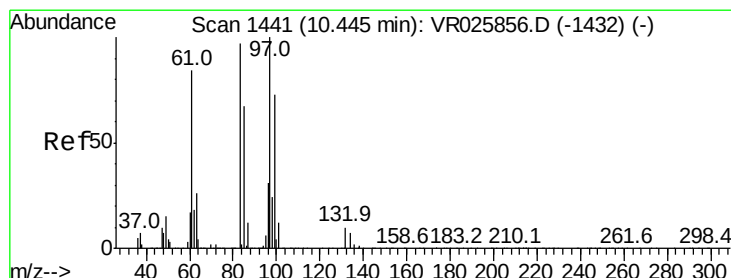
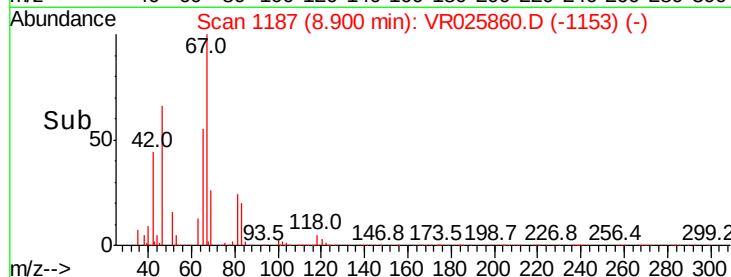
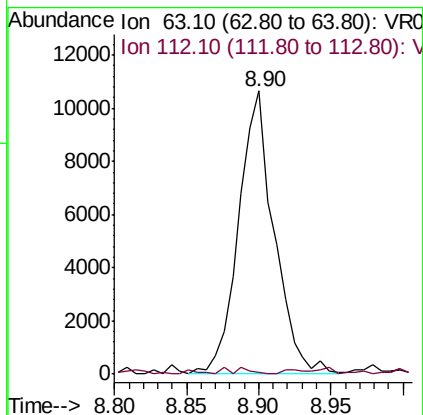
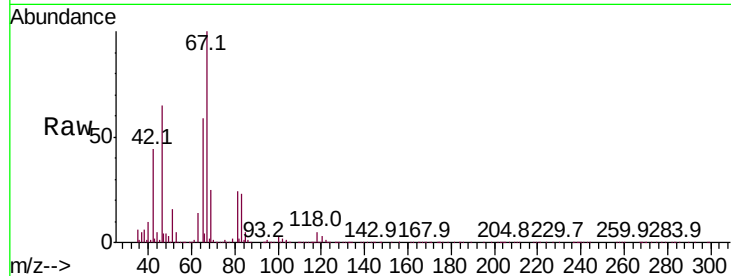
Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 18214

Ion	Ratio	Lower	Upper
63	100		
112	0.8	2.5	3.7#



#45

1,1,2-Trichloroethane

Concen: 0.074 ug/L

RT: 10.45 min Scan# 1441

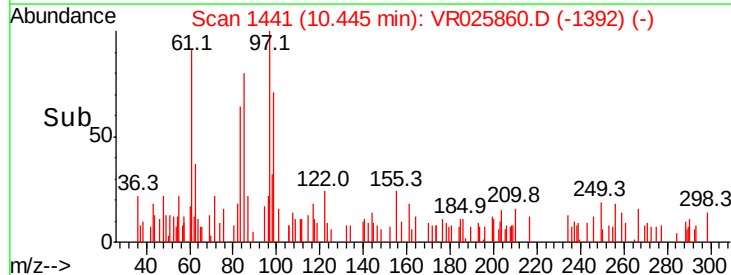
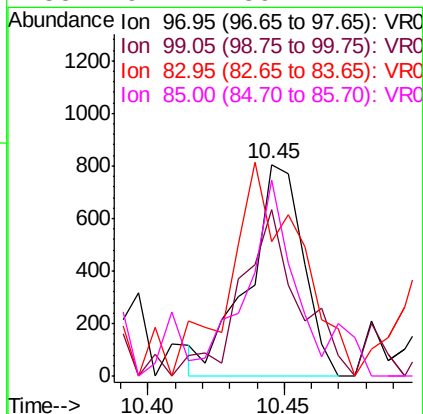
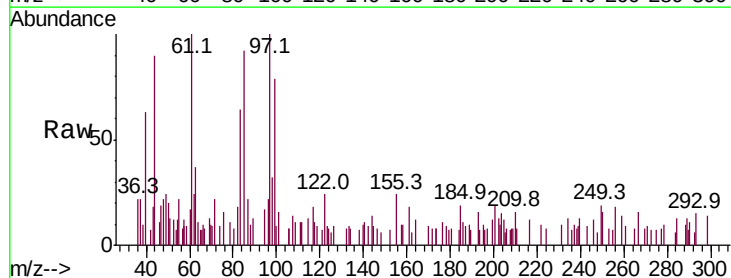
Delta R.T. 0.00 min

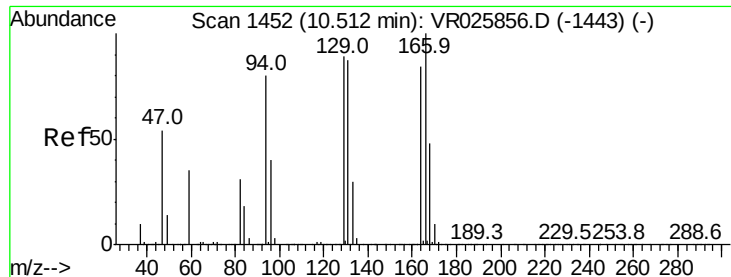
Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

Tgt Ion: 97 Resp: 1108

Ion	Ratio	Lower	Upper
97	100		
99	78.7	39.6	73.6#
83	63.6	62.2	115.6
85	92.4	39.1	72.7#





#47

Tetrachloroethene

Concen: 0.835 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR025860.D

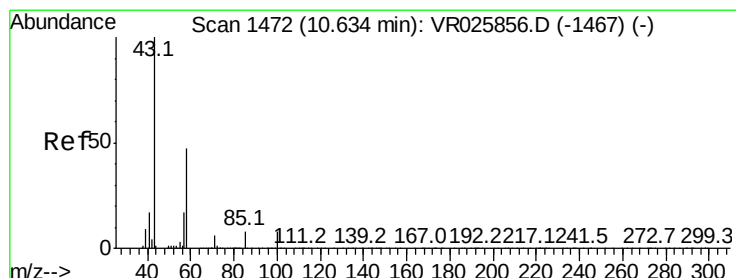
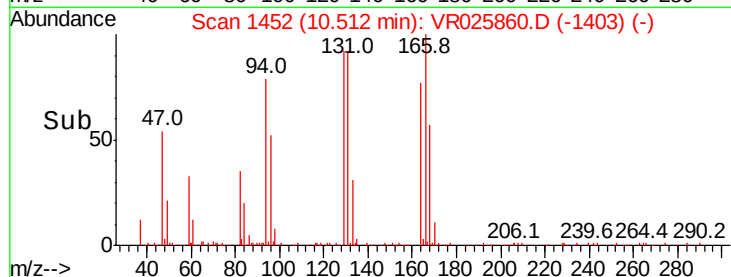
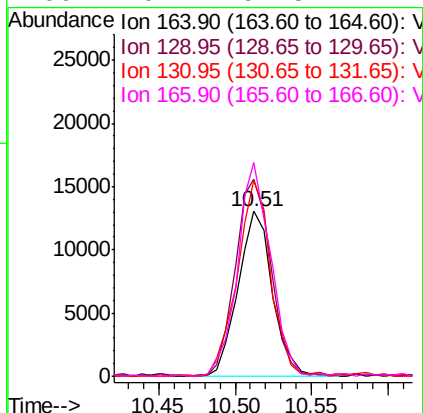
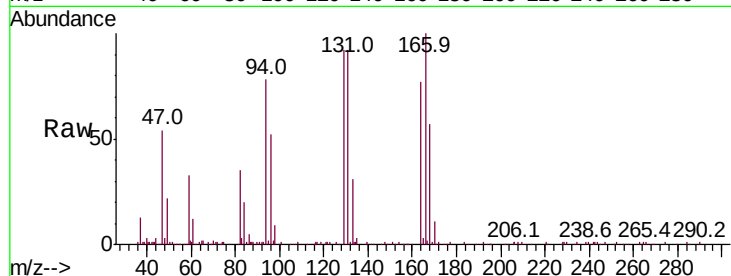
Acq: 26 Sep 2018 13:09

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	164	Resp:	20331
Ion	Ratio	Lower	Upper
164	100		
129	119.9	80.8	150.2
131	118.7	74.5	138.3
166	129.7	92.5	171.7



#48

2-Hexanone

Concen: 2.715 ug/L

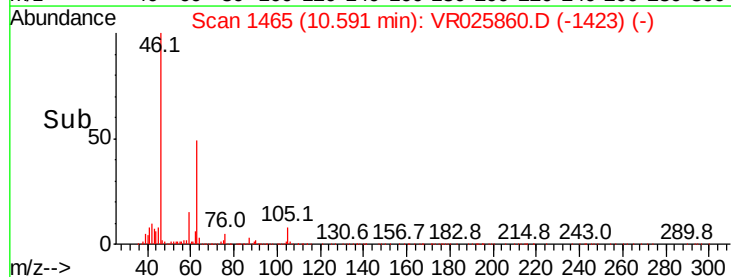
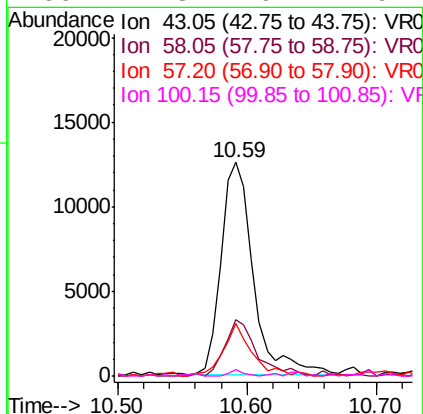
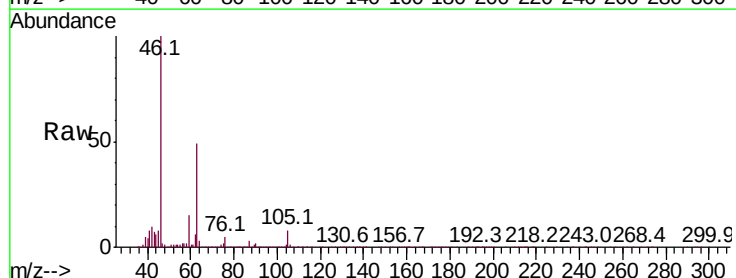
RT: 10.59 min Scan# 1465

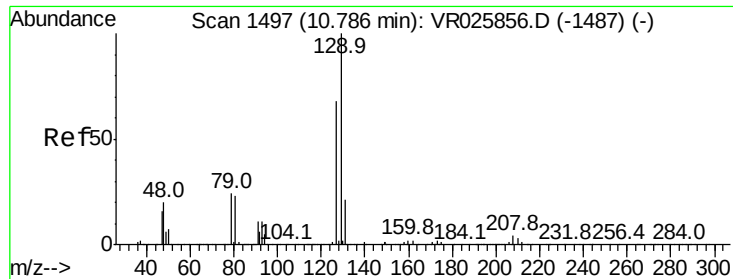
Delta R.T. -0.04 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

Tgt Ion:	43	Resp:	22244
Ion	Ratio	Lower	Upper
43	100		
58	25.7	39.5	59.3#
57	21.8	14.6	21.8
100	1.3	6.7	10.1#





#49

Dibromochloromethane

Concen: 1.281 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

Instrument :

MSVOA_R

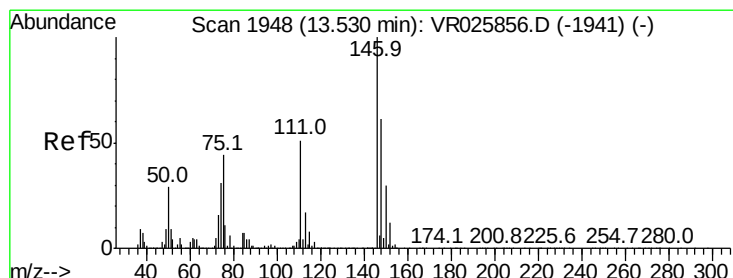
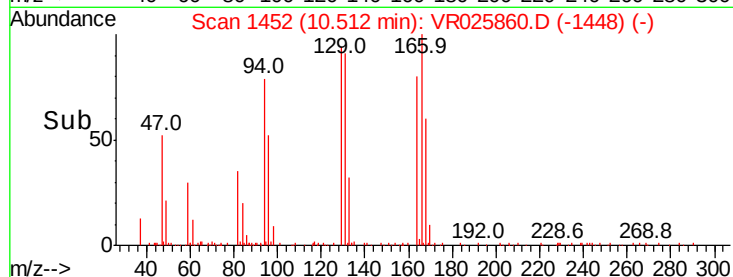
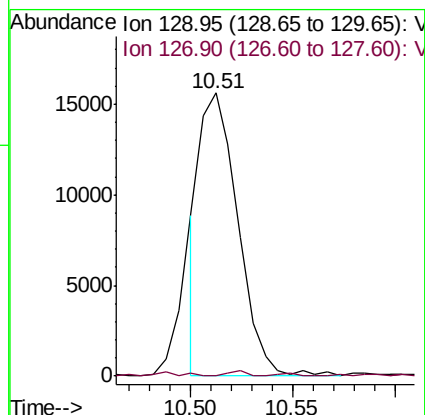
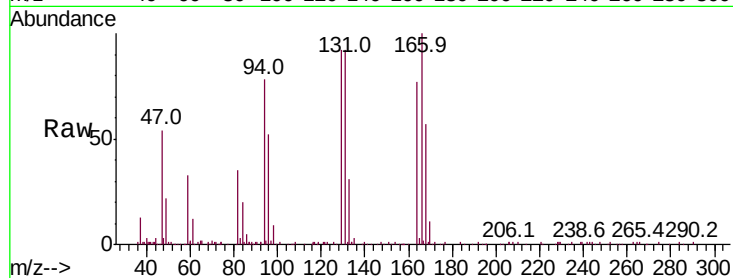
ClientSampleId :

Tot Ion:129 Resp: 20026

Ion Ratio Lower Upper

129 100

127 0.4 54.1 100.5#



#65

1,2-Dichlorobenzene

Concen: 0.132 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR025860.D

Acq: 26 Sep 2018 13:09

Tgt Ion:146 Resp: 4466

Ion Ratio Lower Upper

146 100

111 35.2 39.4 59.0#

148 49.0 53.5 80.3#

