

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062518\
 Data File : VR025430.D
 Acq On : 25 Jun 2018 15:46
 Operator : SY/MD
 Sample : J3673-12
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 DAZA7

Quant Time: Jun 26 01:44:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	540024	5.00	ug/L	0.02
28) Chlorobenzene-d5	11.29	117	423705	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	139058	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	69840	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	2.63	69	53144	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	3.65	63	437825	9.25	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	185.00%#
20) 2-Butanone-d5	6.59	46	5820	1.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	2.36%#
24) Chloroform-d	7.21	84	318432	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	7.91	65	127830	4.86	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	7.87	84	647422	4.51	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	8.96	67	185131	4.54	ug/L	0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	9.98	98	536976	4.23	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	10.24	79	54804	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	10.59	63	198769	52.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.44%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	75964	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	102034	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.17	62	2316076	103.577	ug/L	99
12) 1,1-Dichloroethene	3.66	96	451900	23.805	ug/L #	69
13) Acetone	3.72	43	34949	15.695	ug/L	97
18) trans-1,2-Dichloroethene	4.93	96	19494718	499.564	ug/L	96
19) 1,1-Dichloroethane	5.70	63	106992	1.459	ug/L	93
21) 2-Butanone	6.67	43	2593	0.493	ug/L #	1
22) cis-1,2-Dichloroethene	6.68	96	44706014	1097.842	ug/L #	83
25) Chloroform	7.24	83	64252	0.959	ug/L	93
27) 1,2-Dichloroethane	8.00	62	51149	1.672	ug/L #	78
33) Benzene	7.92	78	150545	0.905	ug/L	100
34) Trichloroethene	8.82	95	80239096	1993.617	ug/L #	82
35) Methylcyclohexane	8.82	83	4881102	76.855	ug/L #	20
37) 1,2-Dichloropropane	8.96	63	21938	0.593	ug/L #	95
40) 4-Methyl-2-pentanone	9.87	43	2822	0.236	ug/L #	73
42) Toluene	10.04	91	72863	0.409	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	85921	5.005	ug/L	90
47) Tetrachloroethene	10.52	164	492671	18.336	ug/L	94

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QLast Update : Fri Jun 22 22:38:28 2018
Response via : Initial Calibration

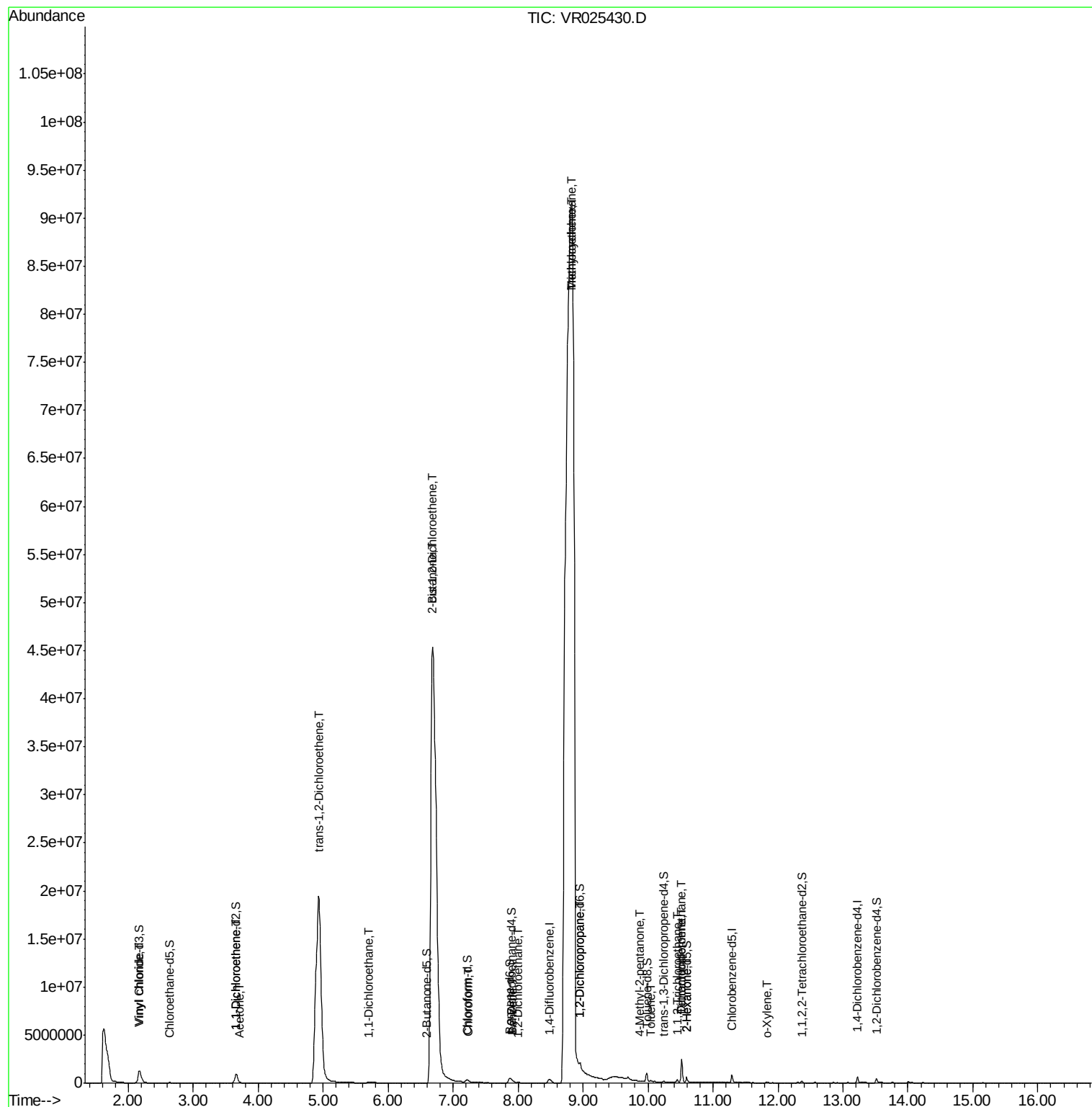
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	10.59	43	20140	2.640	ug/L #	65
49) Dibromochloromethane	10.52	129	482401	29.185	ug/L #	10
54) o-Xylene	11.83	106	12602	0.209	ug/L	91

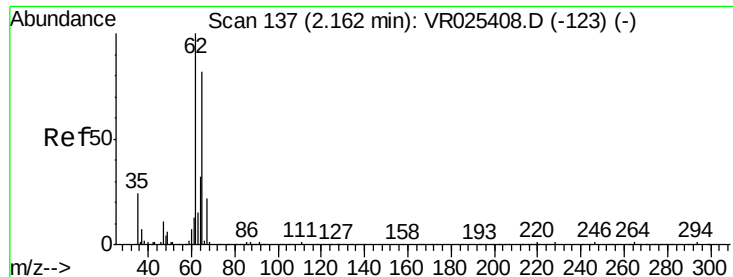
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 103.577 ug/L

RT: 2.17 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_R

ClientSampleId :

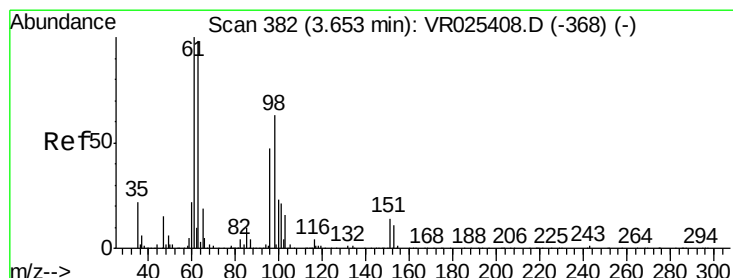
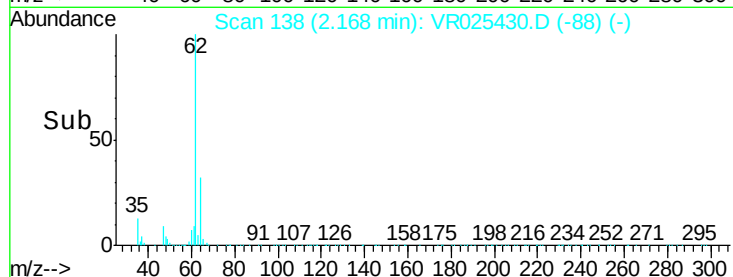
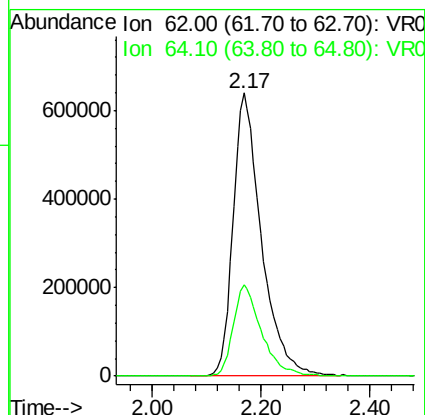
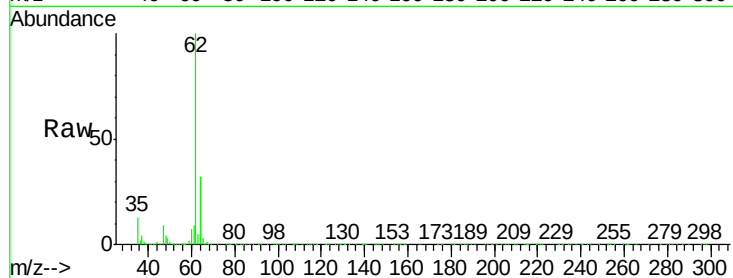
DAZA7

Tgt Ion: 62 Resp: 2316076

Ion Ratio Lower Upper

62 100

64 32.2 22.8 42.4



#12

1,1-Dichloroethene

Concen: 23.805 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

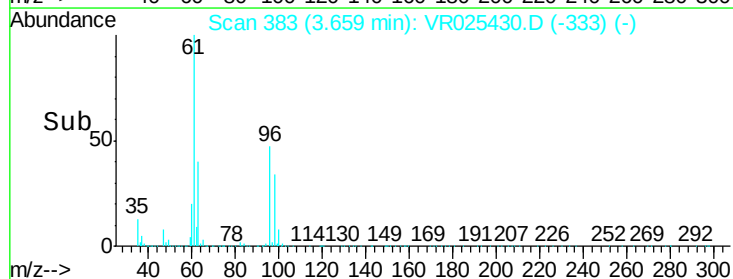
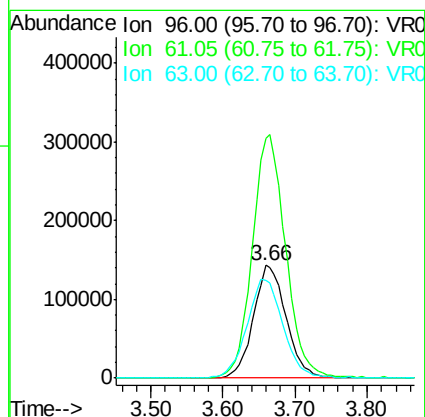
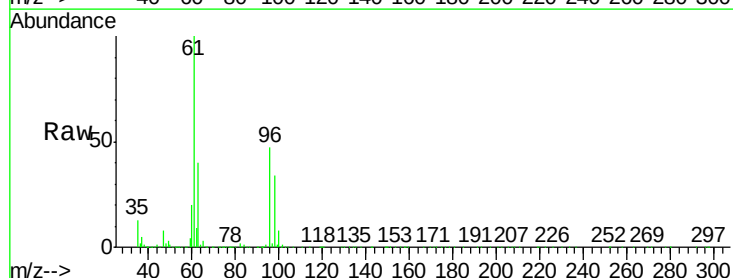
Tgt Ion: 96 Resp: 451900

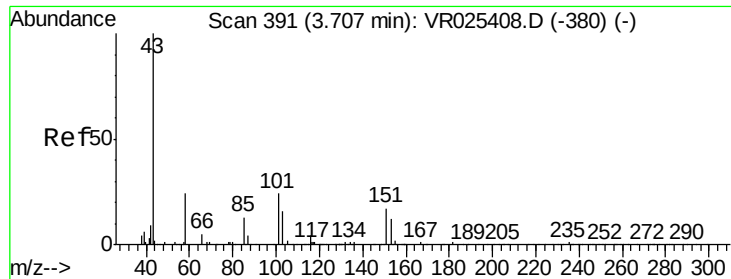
Ion Ratio Lower Upper

96 100

61 213.3 155.0 287.9

63 86.3 122.3 227.1#





#13

Acetone

Concen: 15.695 ug/L

RT: 3.72 min Scan# 393

Delta R.T. 0.01 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_R

ClientSampleId :

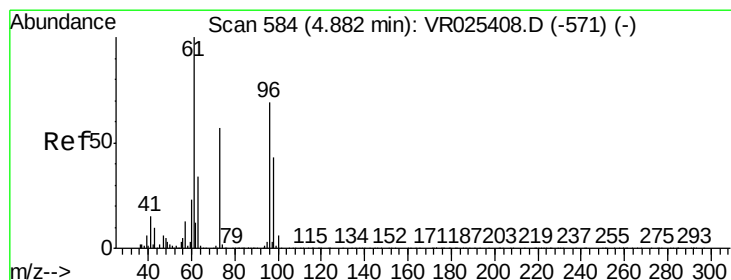
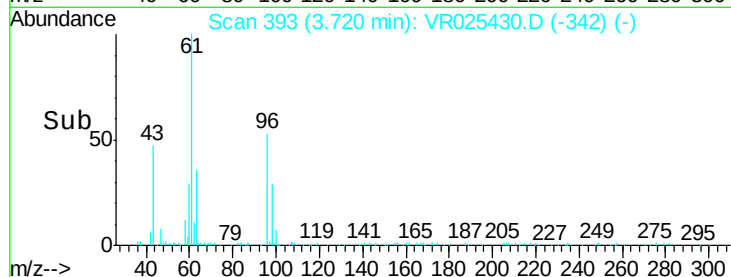
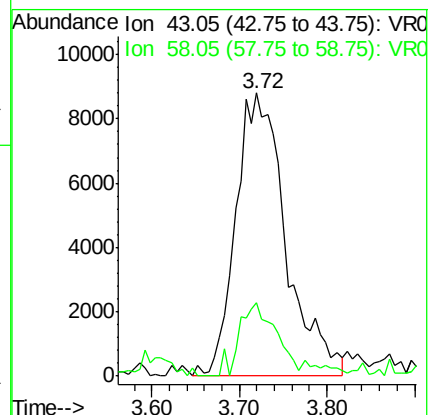
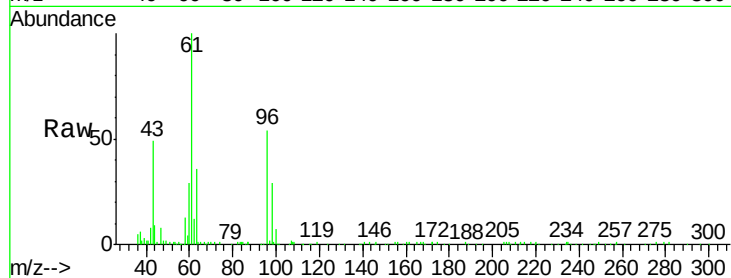
DAZA7

Tgt Ion: 43 Resp: 34949

Ion Ratio Lower Upper

43 100

58 19.2 0.0 41.6



#18

trans-1,2-Dichloroethene

Concen: 499.564 ug/L

RT: 4.93 min Scan# 592

Delta R.T. 0.05 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

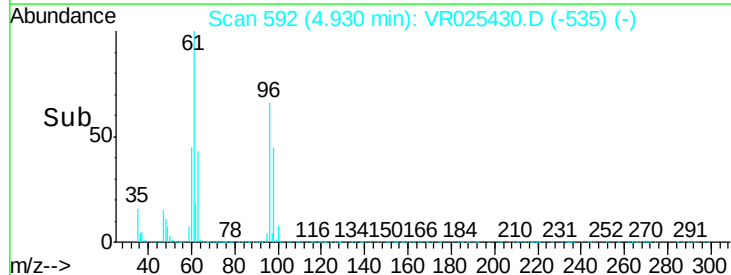
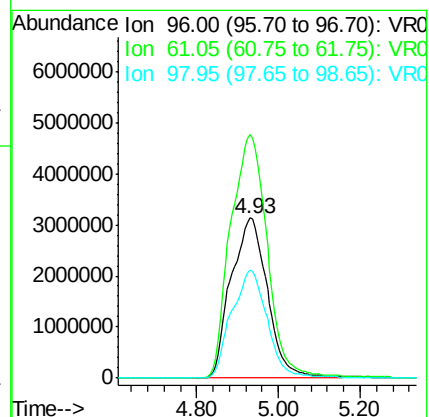
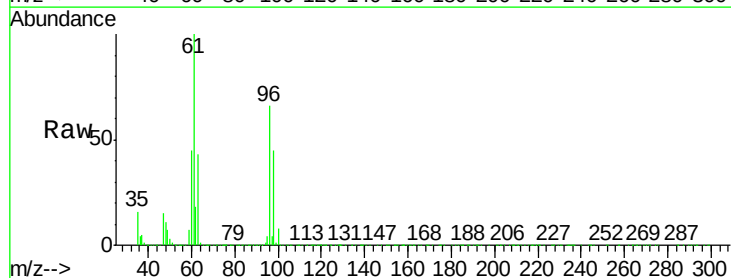
Tgt Ion: 96 Resp:19494718

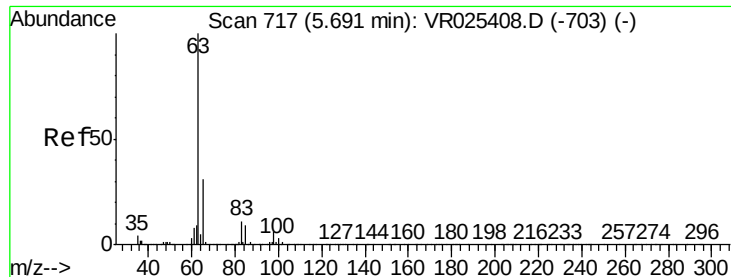
Ion Ratio Lower Upper

96 100

61 152.1 104.4 193.8

98 67.8 43.1 80.1





#19

1,1-Dichloroethane

Concen: 1.459 ug/L

RT: 5.70 min Scan# 718

Delta R.T. 0.01 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_R

ClientSampleId :

DAZA7

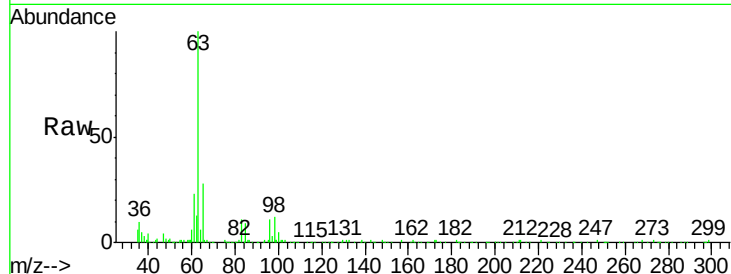
Tgt Ion: 63 Resp: 106992

Ion Ratio Lower Upper

63 100

65 28.4 22.5 41.7

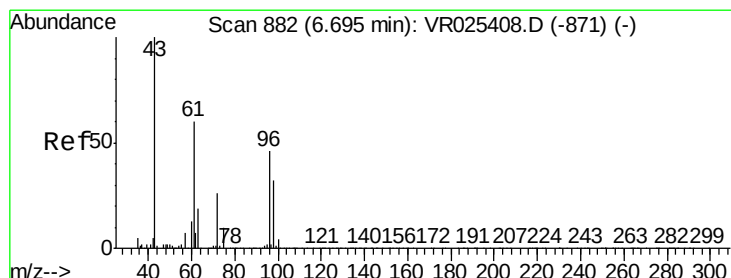
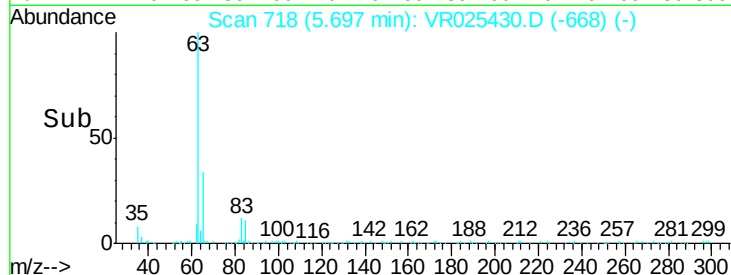
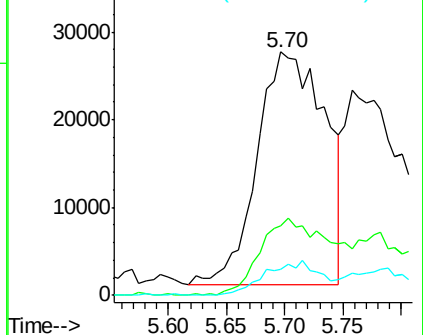
83 10.7 9.5 17.7



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



#21

2-Butanone

Concen: 0.493 ug/L

RT: 6.67 min Scan# 878

Delta R.T. -0.02 min

Lab File: VR025430.D

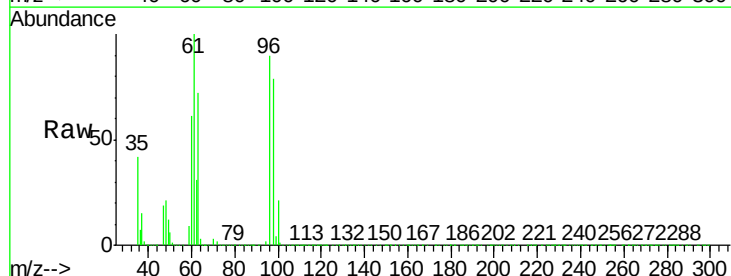
Acq: 25 Jun 2018 15:46

Tgt Ion: 43 Resp: 2593

Ion Ratio Lower Upper

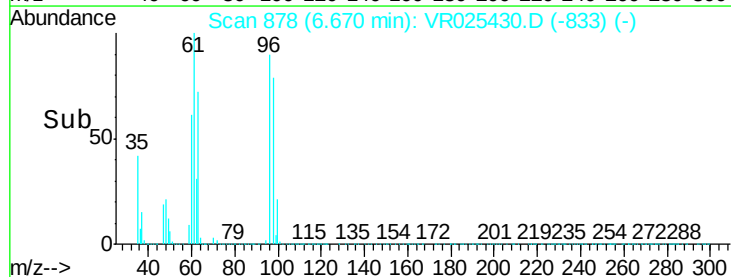
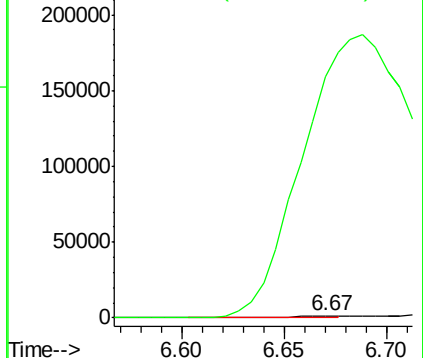
43 100

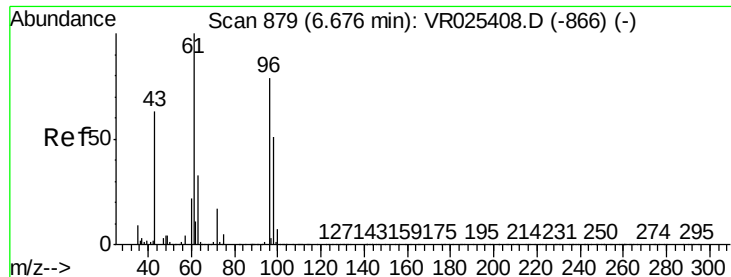
72 36669.9 13.0 38.9#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



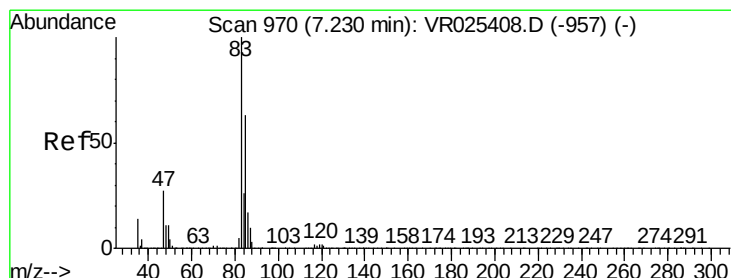
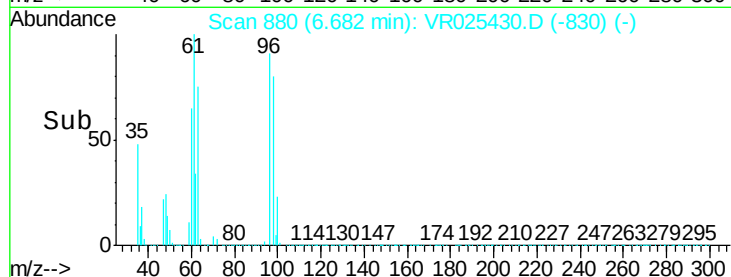
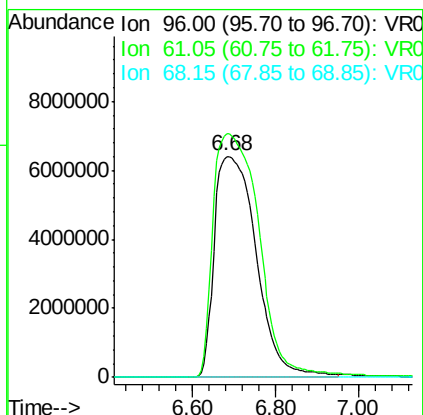
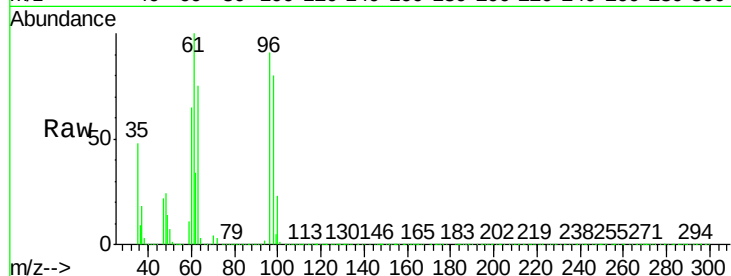


#22

cis-1,2-Dichloroethene
 Concen: 1097.842 ug/L
 RT: 6.68 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: VR025430.D
 Acq: 25 Jun 2018 15:46

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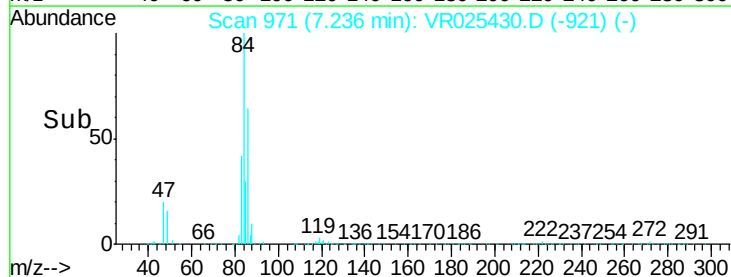
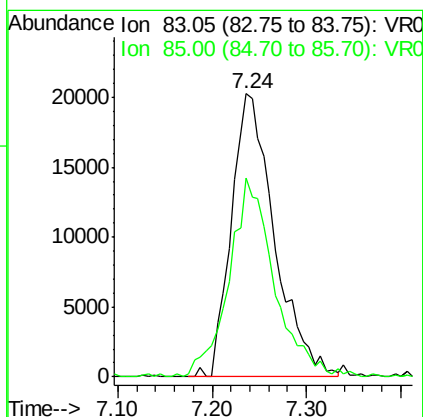
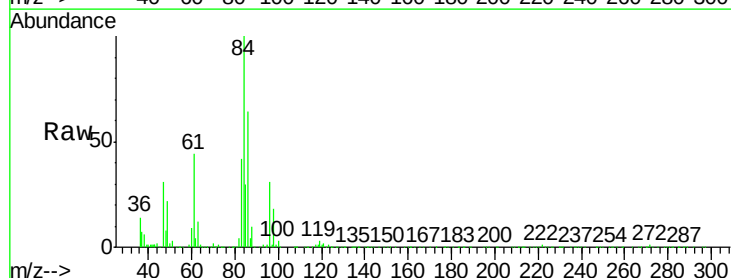
Tgt Ion: 96 Resp: 44706014
 Ion Ratio Lower Upper
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 61 110.3 91.0 169.0
 68 0.0 0.0 0.0#

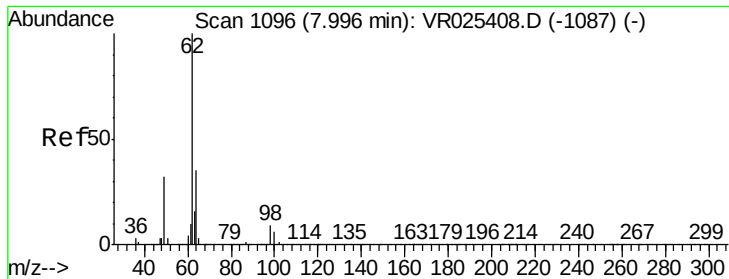


#25

Chloroform
 Concen: 0.959 ug/L
 RT: 7.24 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: VR025430.D
 Acq: 25 Jun 2018 15:46

Tgt Ion: 83 Resp: 64252
 Ion Ratio Lower Upper
 83 100
 85 70.5 45.4 84.4

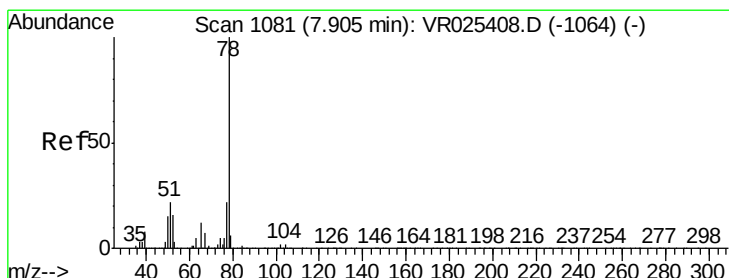
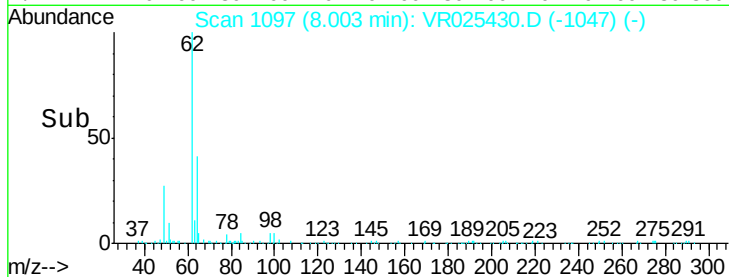
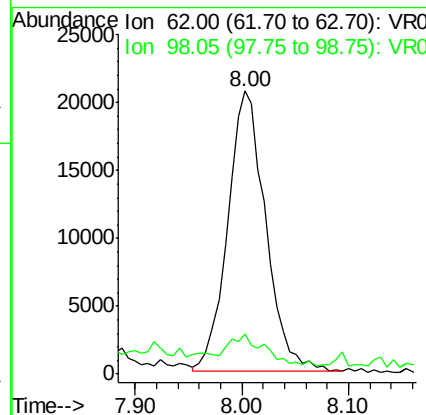
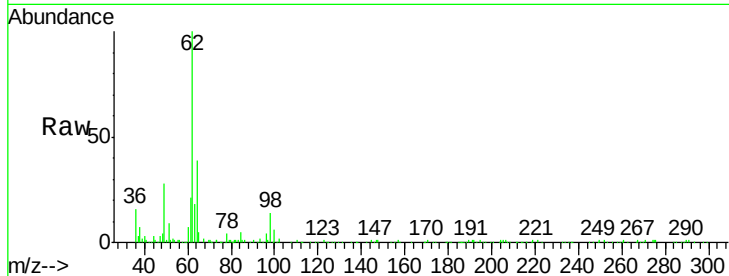




#27
 1,2-Dichloroethane
 Concen: 1.672 ug/L
 RT: 8.00 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: VR025430.D
 Acq: 25 Jun 2018 15:46

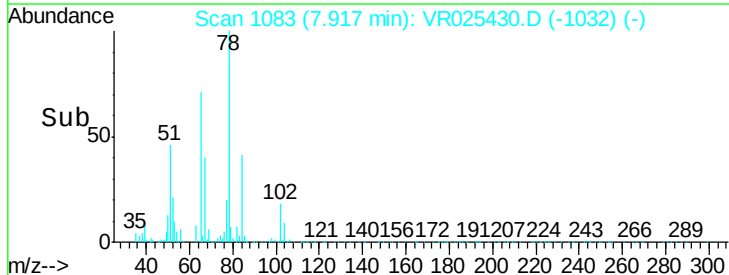
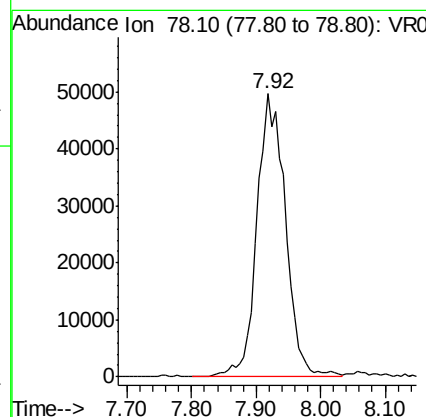
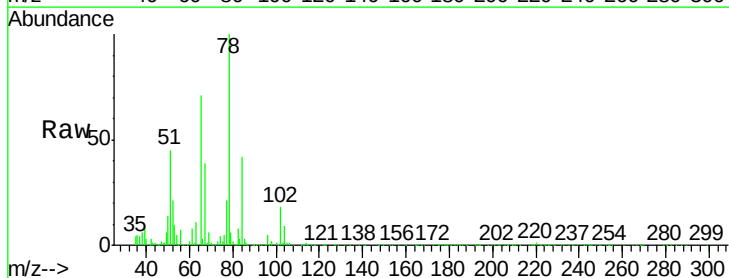
Instrument :
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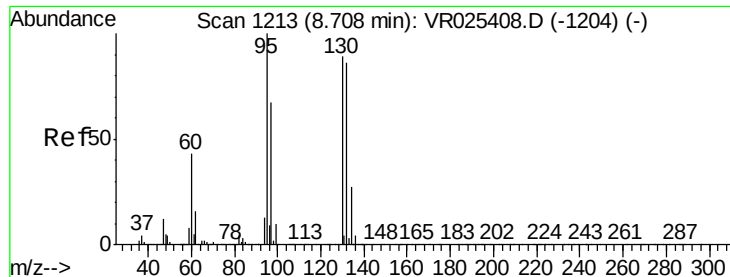
Tgt Ion: 62 Resp: 51149
 Ion Ratio Lower Upper
 62 100
 98 14.4 5.4 8.2#



#33
 Benzene
 Concen: 0.905 ug/L
 RT: 7.92 min Scan# 1083
 Delta R.T. 0.01 min
 Lab File: VR025430.D
 Acq: 25 Jun 2018 15:46

Tgt Ion: 78 Resp: 150545





#34

Trichloroethene

Concen: 1993.617 ug/L

RT: 8.82 min Scan# 1232

Delta R.T. 0.12 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_R

ClientSampleId :

DAZA7

Tgt Ion: 95 Resp:80239096

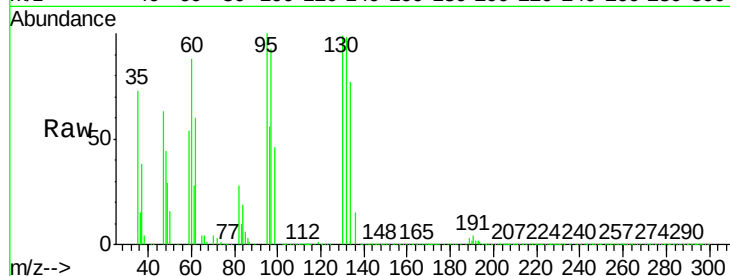
Ion Ratio Lower Upper

95 100

97 92.7 45.6 84.6#

132 97.5 60.9 113.1

130 99.3 62.0 115.2

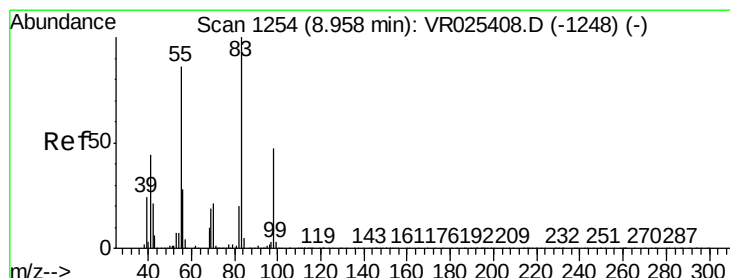
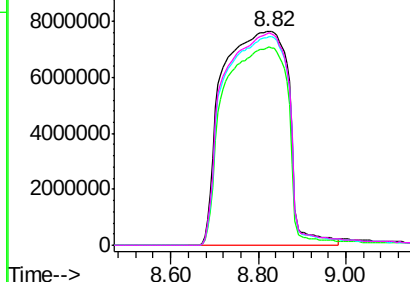
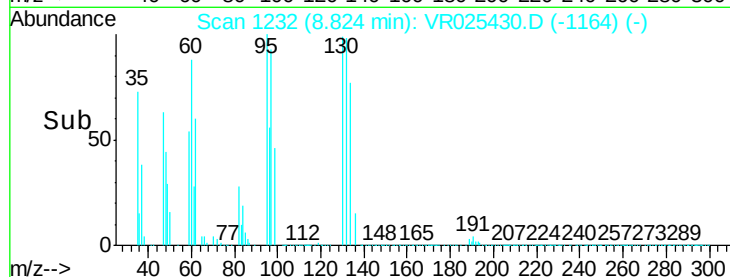


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 76.855 ug/L

RT: 8.82 min Scan# 1232

Delta R.T. -0.13 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

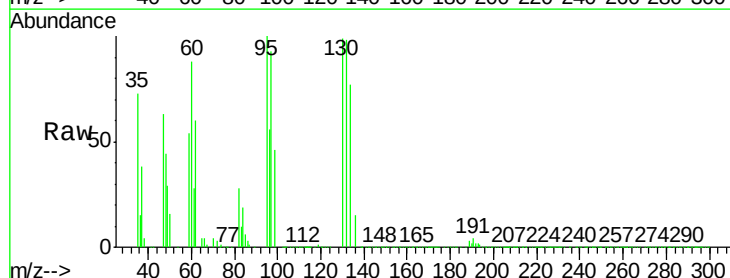
Tgt Ion: 83 Resp: 4881102

Ion Ratio Lower Upper

83 100

55 0.0 66.1 99.1#

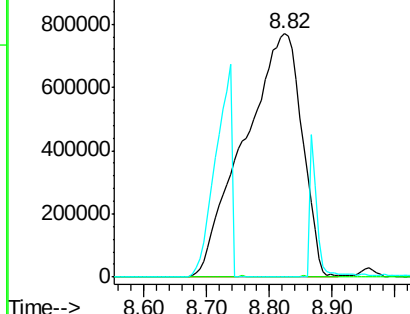
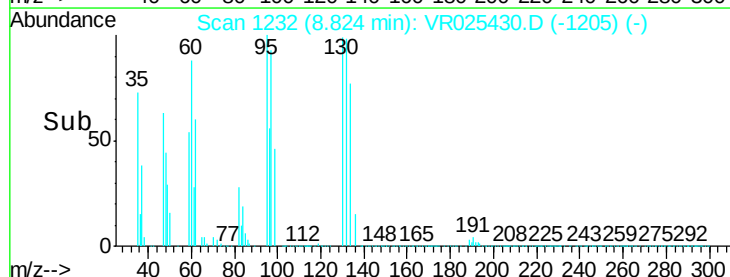
98 7.4 36.2 54.4#

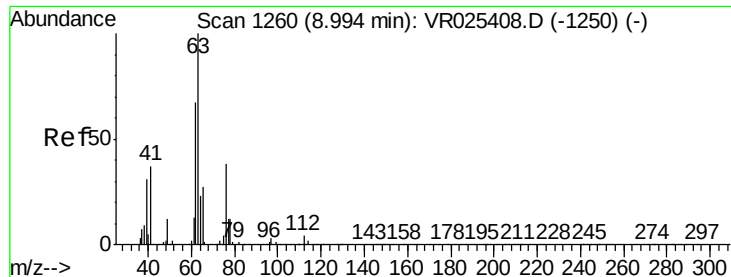


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

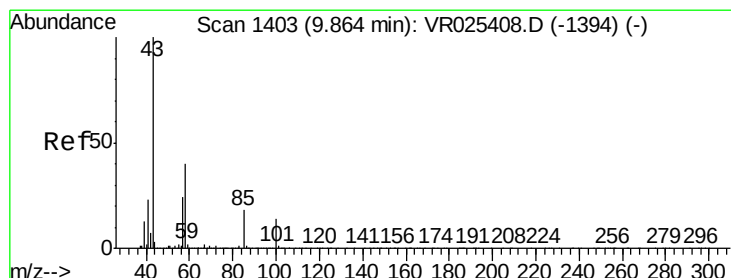
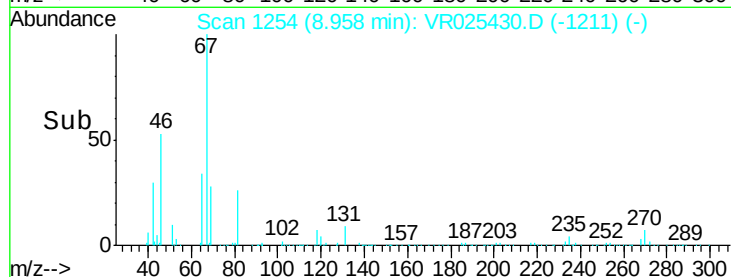
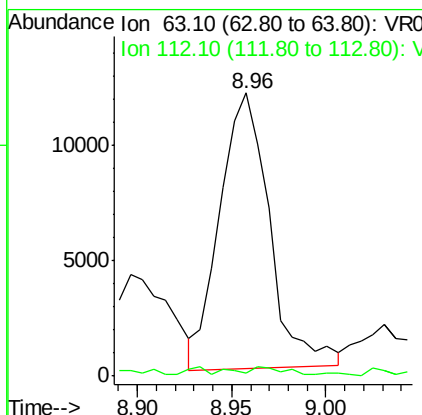
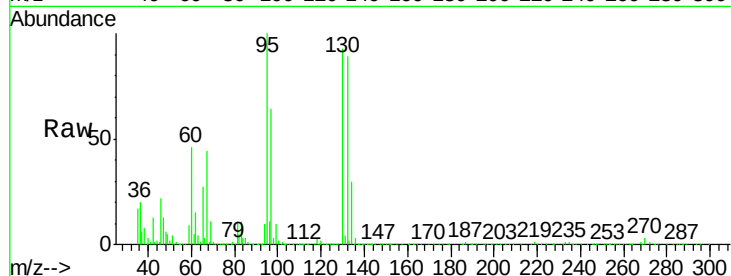




#37
 1,2-Dichloropropane
 Concen: 0.593 ug/L
 RT: 8.96 min Scan# 1254
 Delta R.T. -0.04 min
 Lab File: VR025430.D
 Acq: 25 Jun 2018 15:46

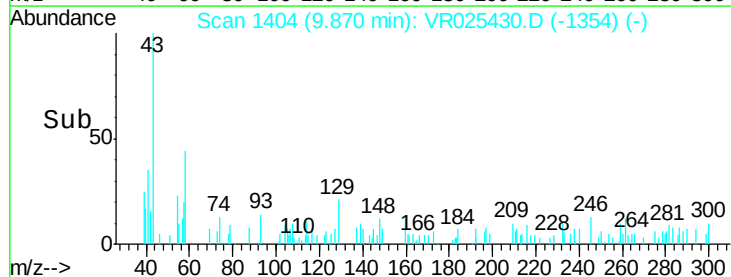
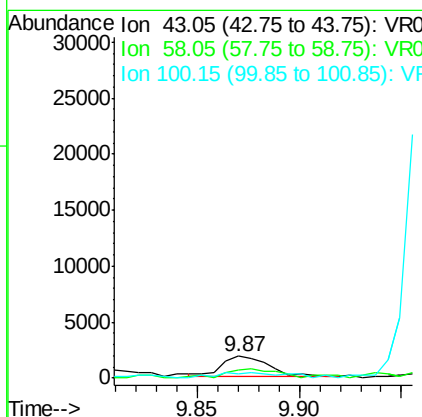
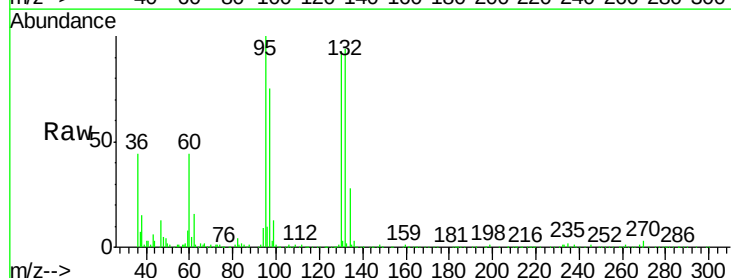
Instrument :
 MSVOA_R
 ClientSampleId :
 DAZA7

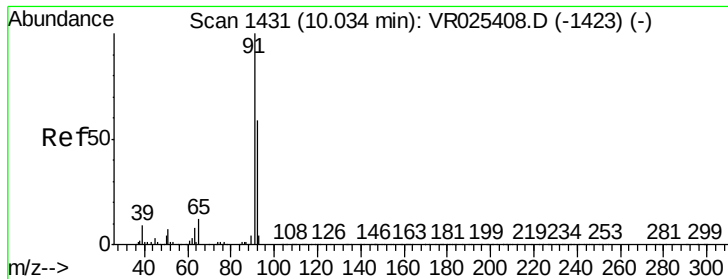
Tgt Ion: 63 Resp: 21938
 Ion Ratio Lower Upper
 63 100
 112 1.9 2.9 4.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.236 ug/L
 RT: 9.87 min Scan# 1404
 Delta R.T. 0.01 min
 Lab File: VR025430.D
 Acq: 25 Jun 2018 15:46

Tgt Ion: 43 Resp: 2822
 Ion Ratio Lower Upper
 43 100
 58 52.7 30.3 45.5#
 100 0.0 10.3 15.5#





#42

Toluene

Concen: 0.409 ug/L

RT: 10.04 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_R

ClientSampleId :

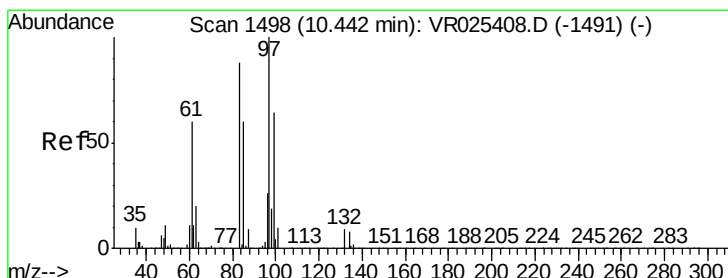
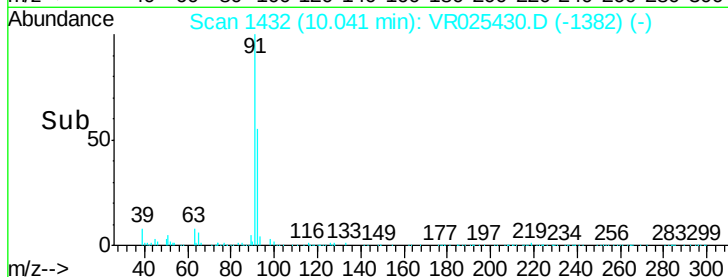
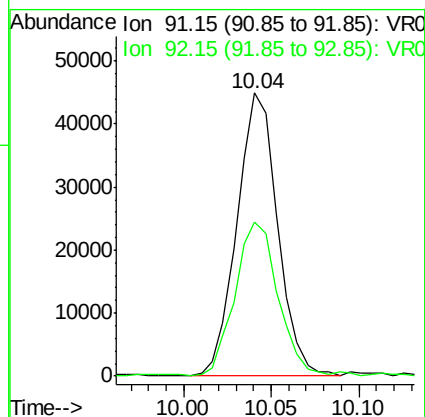
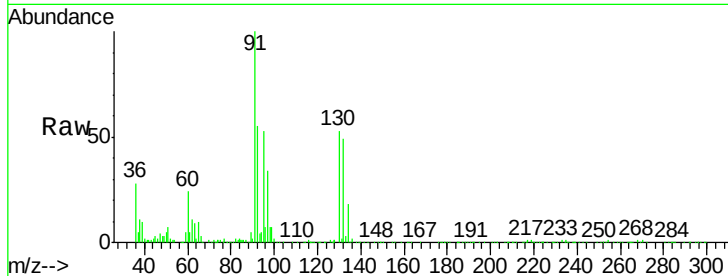
DAZA7

Tgt Ion: 91 Resp: 72863

Ion Ratio Lower Upper

91 100

92 54.7 41.9 77.7



#45

1,1,2-Trichloroethane

Concen: 5.005 ug/L

RT: 10.45 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

Tgt Ion: 97 Resp: 85921

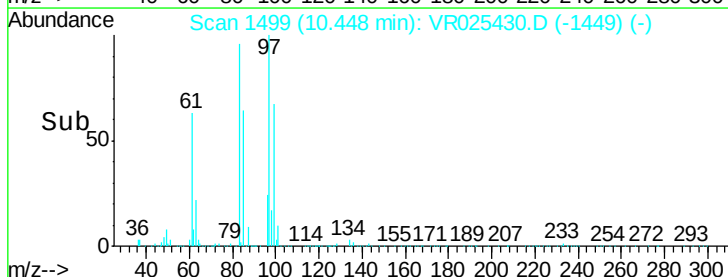
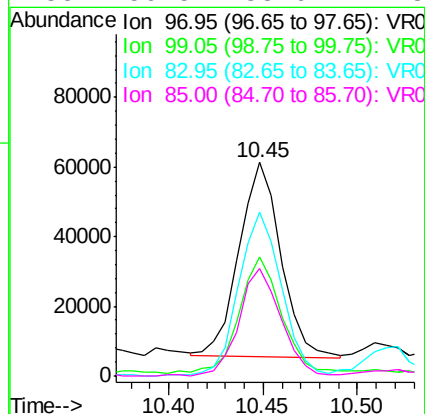
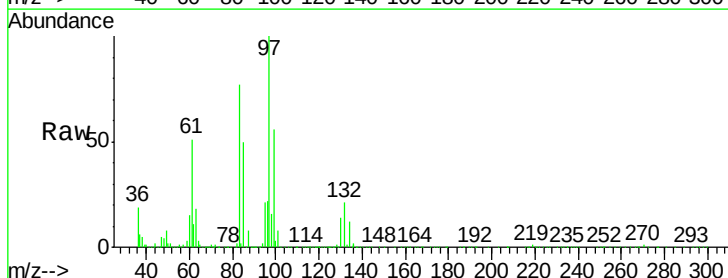
Ion Ratio Lower Upper

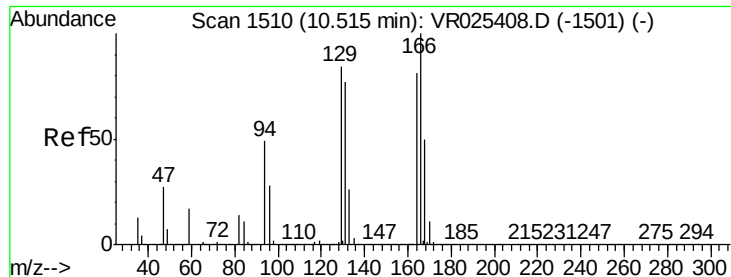
97 100

99 55.7 41.9 77.9

83 76.9 64.5 119.9

85 50.5 38.6 71.8

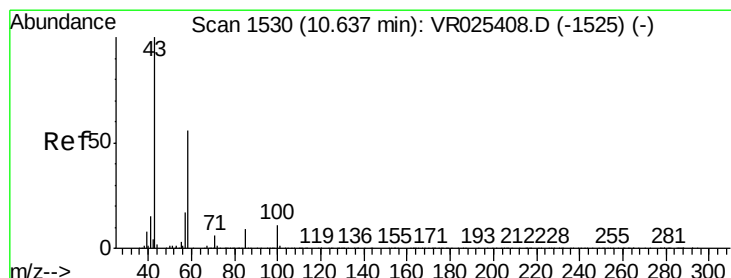
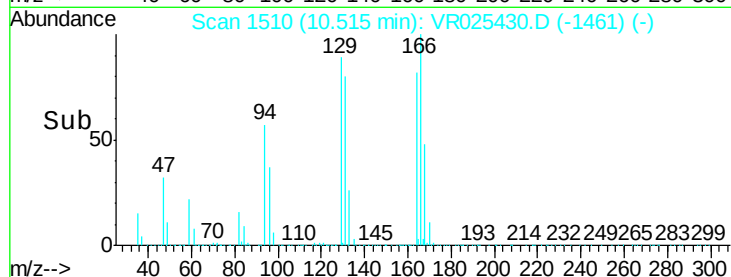
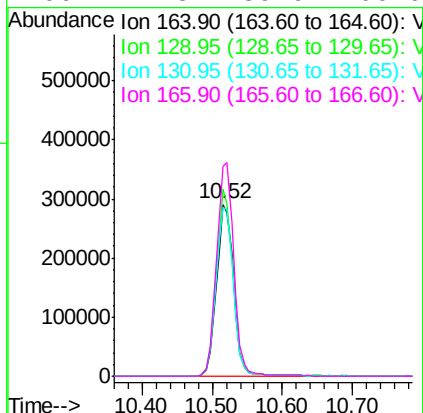
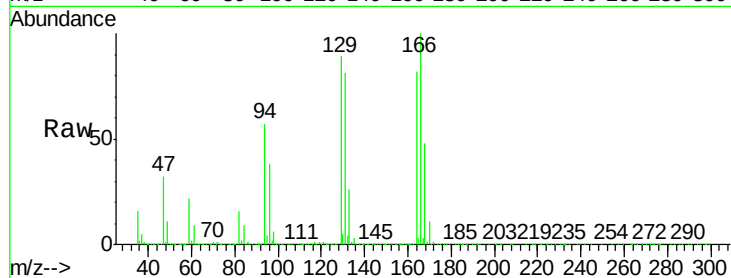




#47
Tetrachloroethene
Concen: 18.336 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VR025430.D
Acq: 25 Jun 2018 15:46

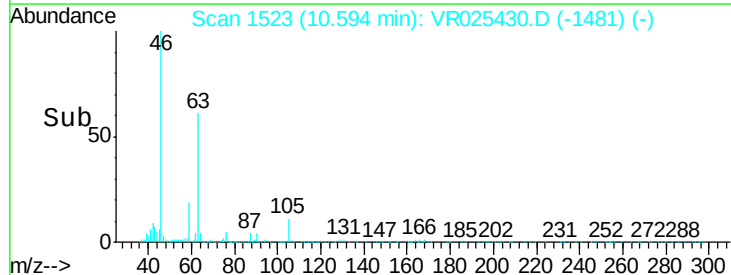
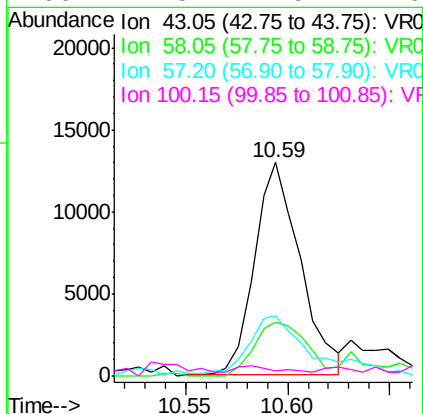
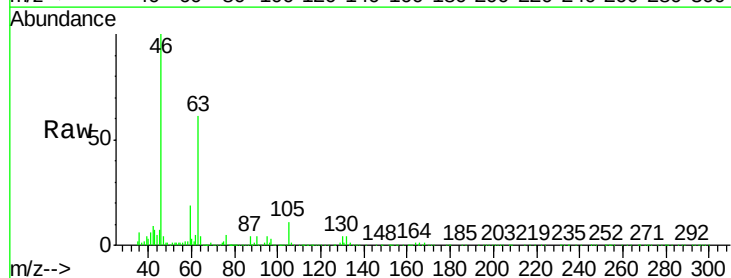
Instrument :
MSVOA_R
ClientSampled :
DAZA7

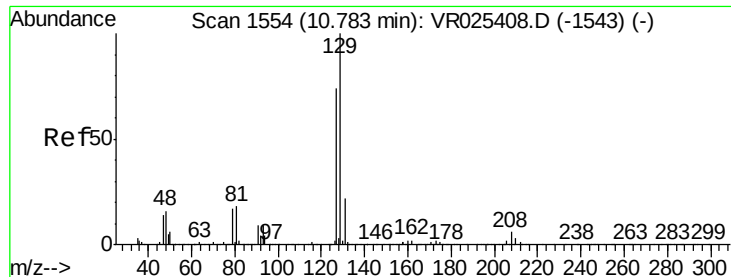
Tgt Ion	Ratio	Lower	Upper
164	100		
129	109.0	68.1	126.5
131	98.6	68.5	127.1
166	122.3	89.9	166.9



#48
2-Hexanone
Concen: 2.640 ug/L
RT: 10.59 min Scan# 1523
Delta R.T. -0.04 min
Lab File: VR025430.D
Acq: 25 Jun 2018 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.4	43.1	64.7#
57	39.0	15.3	22.9#
100	4.5	7.9	11.9#





#49

Dibromochloromethane

Concen: 29.185 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.27 min

Lab File: VR025430.D

Acq: 25 Jun 2018 15:46

Instrument :

MSVOA_R

ClientSampleId :

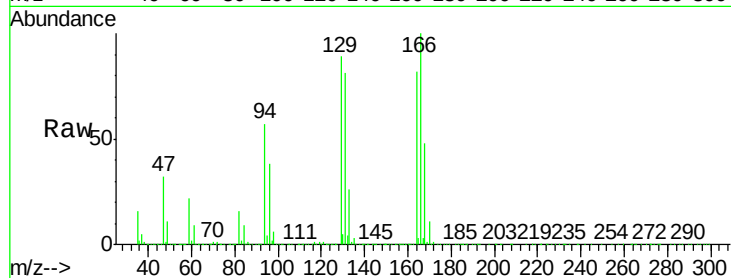
DAZA7

Tgt Ion:129 Resp: 482401

Ion Ratio Lower Upper

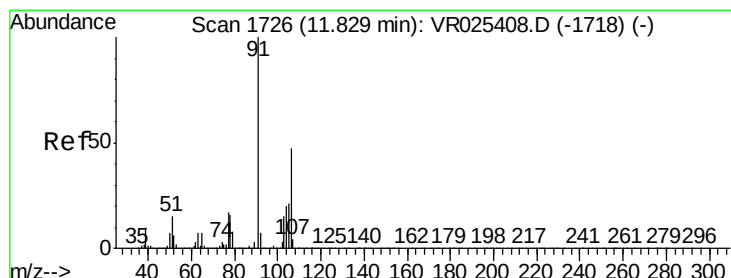
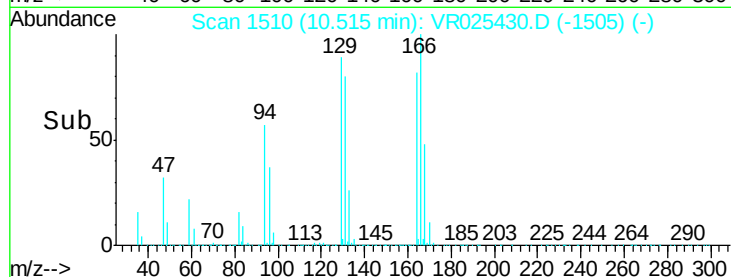
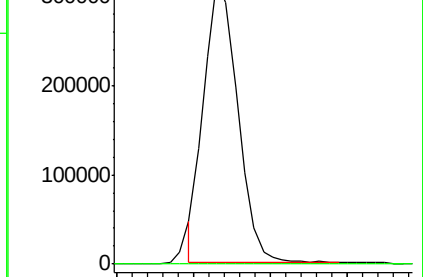
129 100

127 0.2 55.9 103.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#54

o-Xylene

Concen: 0.209 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VR025430.D

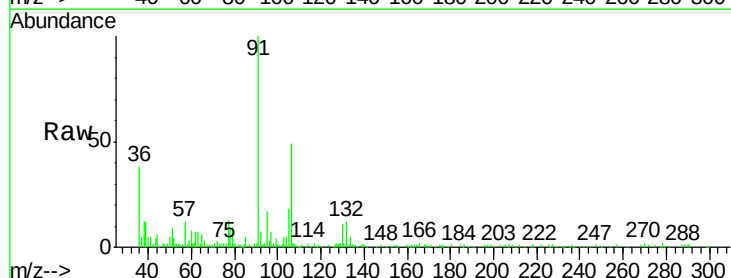
Acq: 25 Jun 2018 15:46

Tgt Ion:106 Resp: 12602

Ion Ratio Lower Upper

106 100

91 205.9 153.7 285.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

