

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072018\
 Data File : VV006662.D
 Acq On : 20 Jul 2018 12:49
 Operator : SY/MD
 Sample : J3983-04MS
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB170MS

Quant Time: Jul 26 02:35:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 26 02:08:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	256928	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	233140	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	104318	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80810	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	62969	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.13	63	156805	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	3.95	46	145380	37.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.24%
24) Chloroform-d	4.41	84	136957	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.09	65	65461	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.10	84	292621	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.12	67	90785	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.36	98	258588	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.67	79	24993	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.14	63	131155	39.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.96%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	61341	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	89995	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

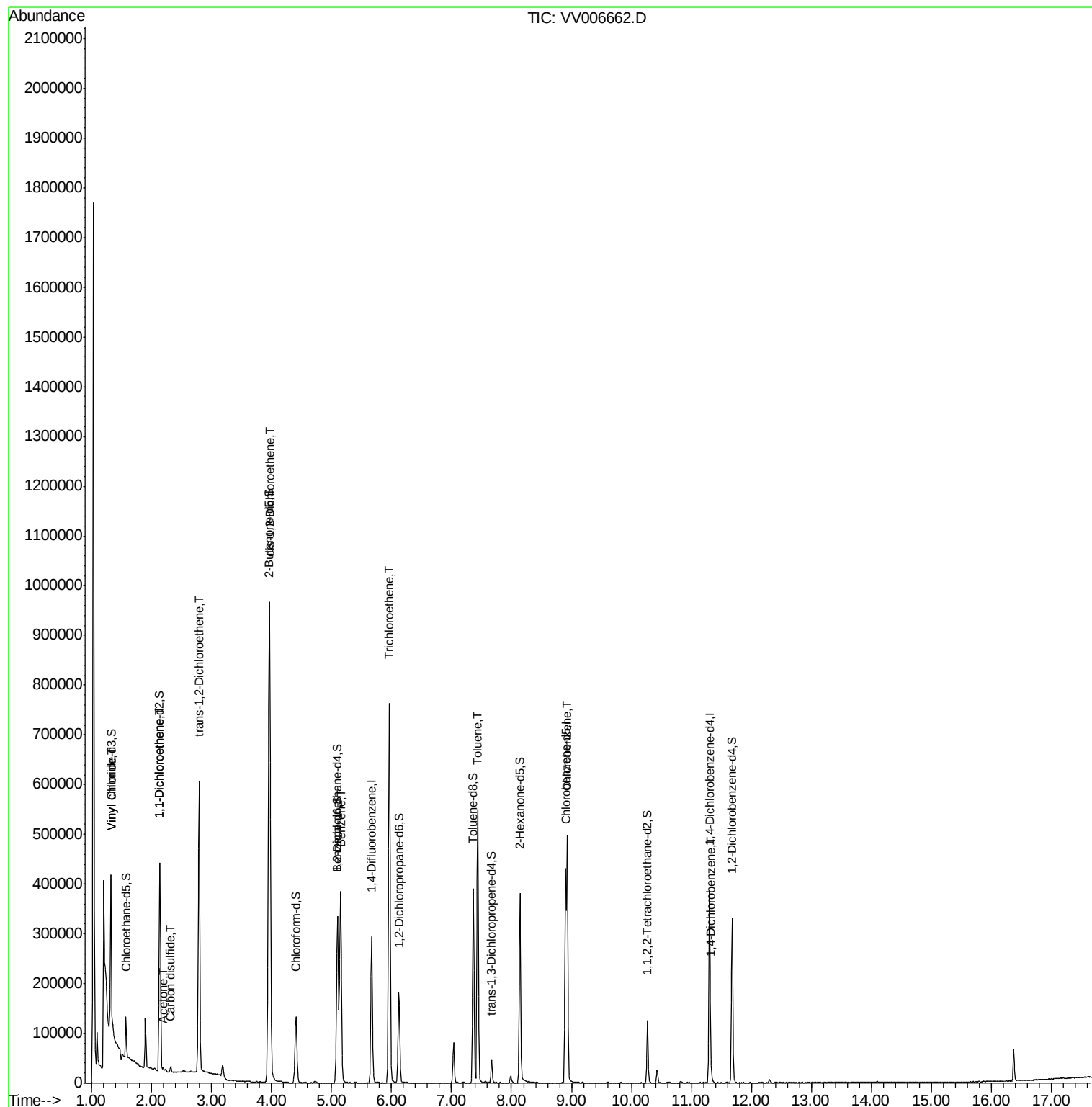
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	161305	6.05	ug/L	# 42
12) 1,1-Dichloroethene	2.14	96	90295	4.75	ug/L	97
13) Acetone	2.19	43	3588	1.19	ug/L	94
14) Carbon disulfide	2.32	76	14507	0.24	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	219159	10.45	ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	517195	23.56	ug/L	98
33) Benzene	5.15	78	385805	4.70	ug/L	100
34) Trichloroethene	5.96	95	267257	12.88	ug/L	100
42) Toluene	7.44	91	400577	4.73	ug/L	100
51) Chlorobenzene	8.93	112	260953	4.74	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	11300	0.29	ug/L	96

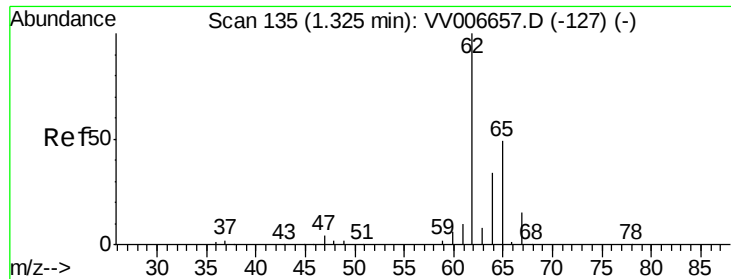
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 26 02:08:26 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.05 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

Instrument :

MSVOA_V

ClientSampleId :

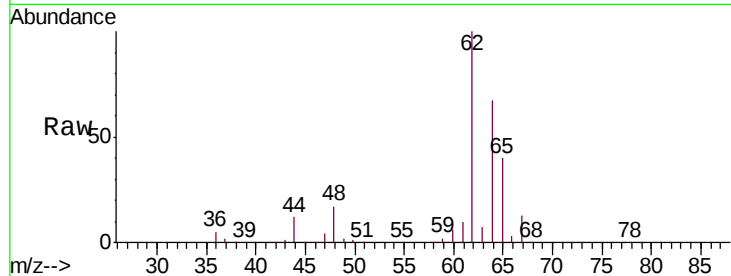
DB170MS

Tot Ion: 62 Resp: 161305

Ion Ratio Lower Upper

62 100

64 67.1 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

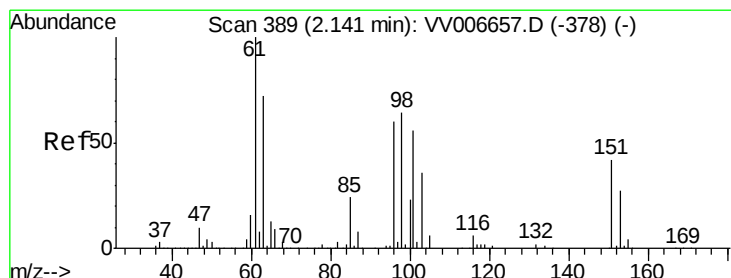
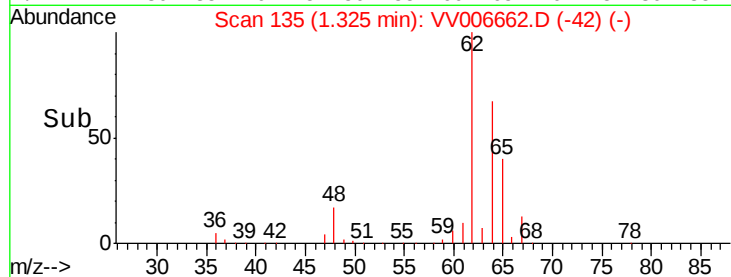
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 4.75 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

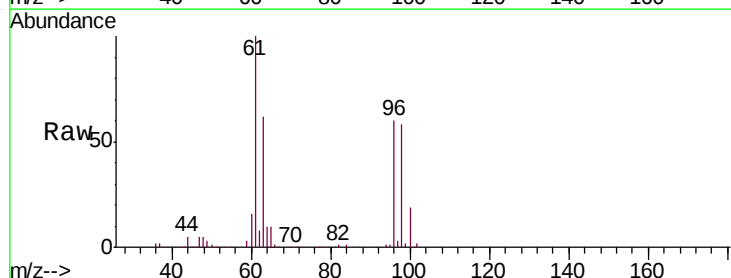
Tgt Ion: 96 Resp: 90295

Ion Ratio Lower Upper

96 100

61 165.8 115.1 213.8

63 103.5 77.2 143.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

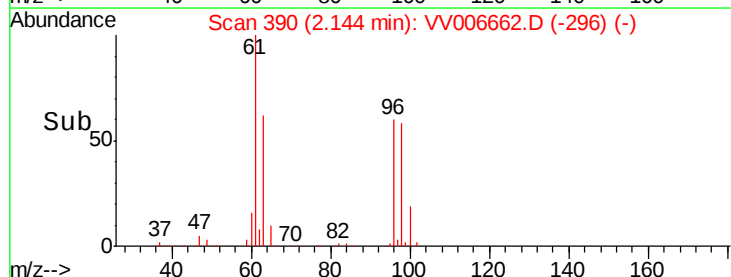
Ion 63.00 (62.70 to 63.70): VV0

100000

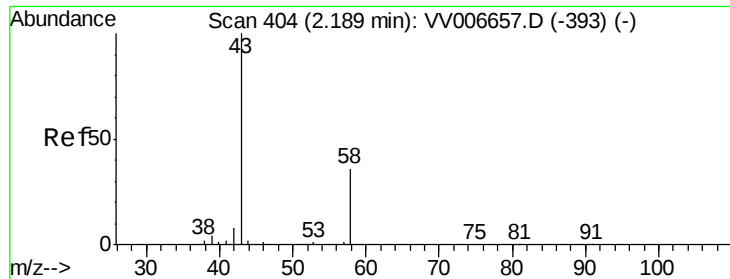
50000

0

Time-->



2.14



#13

Acetone

Concen: 1.19 ug/L

RT: 2.19 min Scan# 404

Delta R.T. -0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

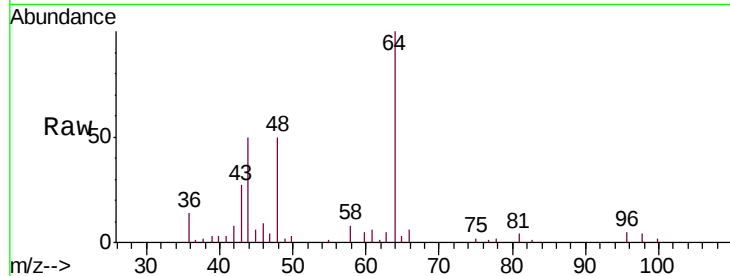
Instrument :
MSVOA_V
ClientSampled :
DB170MS

Tot Ion: 43 Resp: 3588

Ion Ratio Lower Upper

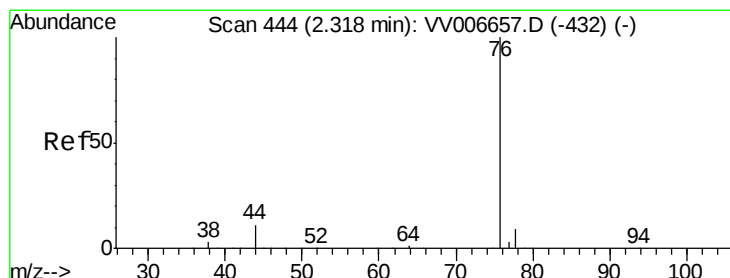
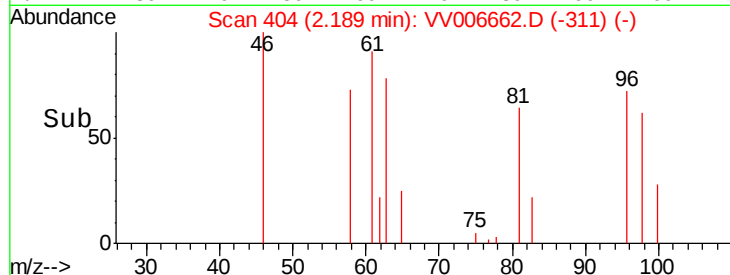
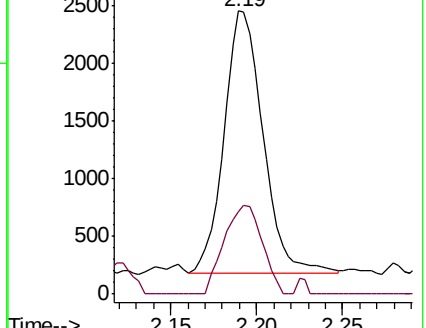
43 100

58 33.0 0.0 72.8



Abundance Ion 43.05 (42.75 to 43.75): VV006657.D (-393) (-)

Ion 58.05 (57.75 to 58.75): VV006657.D (-393) (-)



#14

Carbon disulfide

Concen: 0.24 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006662.D

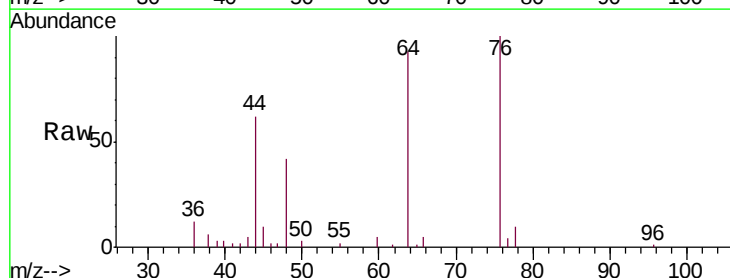
Acq: 20 Jul 2018 12:49

Tgt Ion: 76 Resp: 14507

Ion Ratio Lower Upper

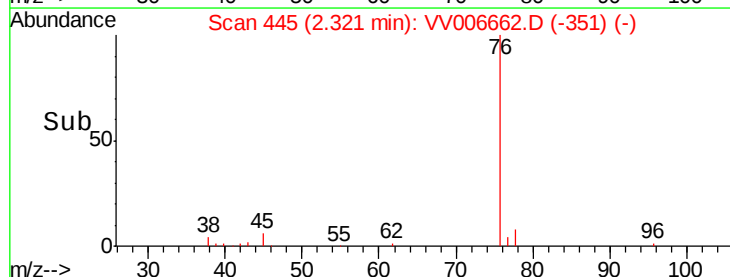
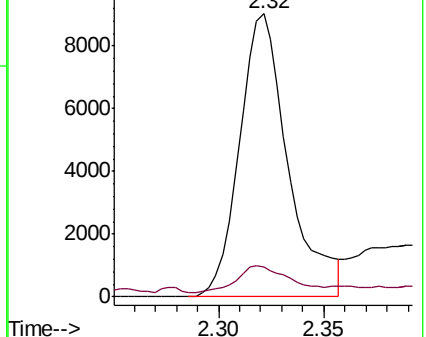
76 100

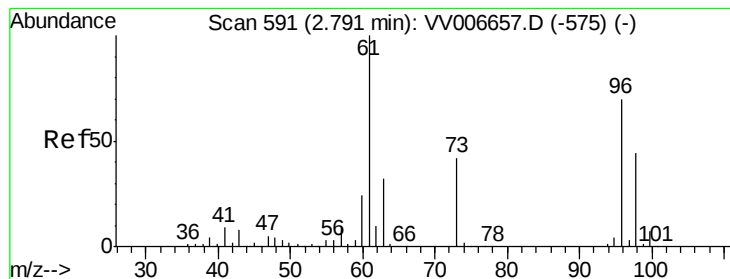
78 10.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV006657.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006657.D (-432) (-)





#18

trans-1,2-Dichloroethene

Concen: 10.45 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

Instrument :

MSVOA_V

ClientSampleId :

DB170MS

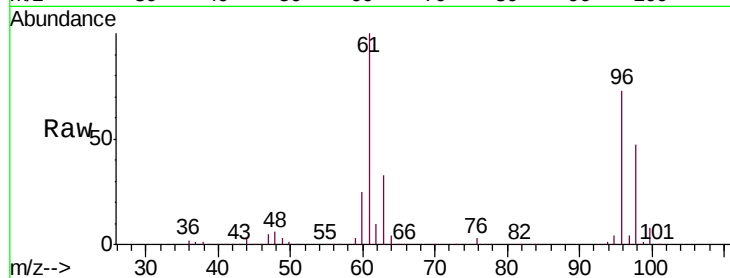
Tot Ion: 96 Resp: 219159

Ion Ratio Lower Upper

96 100

61 137.2 96.0 178.4

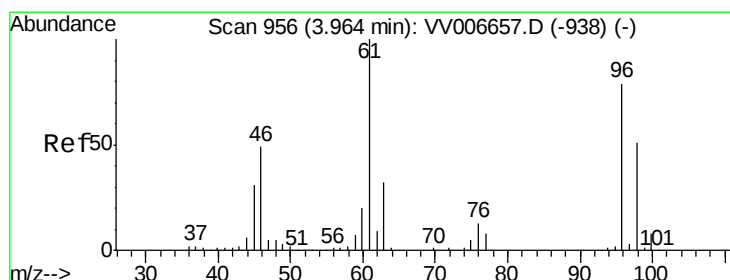
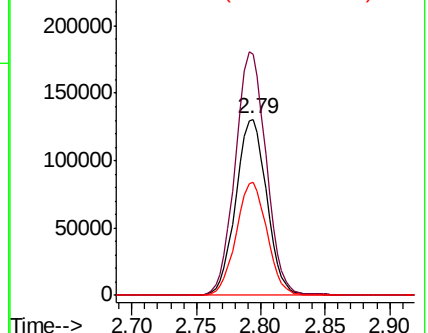
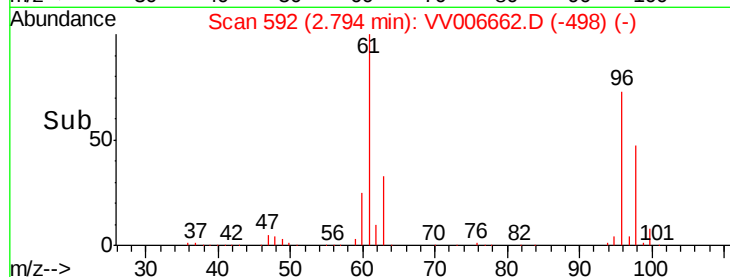
98 64.2 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV006662.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006662.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006662.D (-498) (-)



#22

cis-1,2-Dichloroethene

Concen: 23.56 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

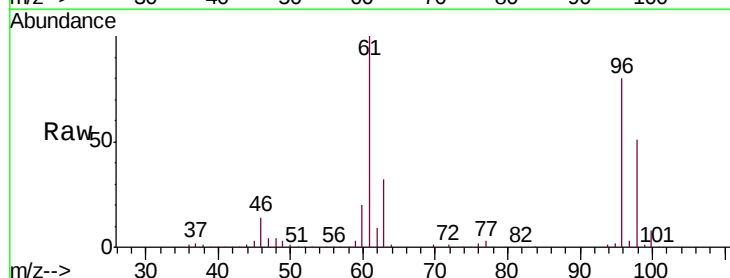
Tgt Ion: 96 Resp: 517195

Ion Ratio Lower Upper

96 100

61 125.4 86.2 160.0

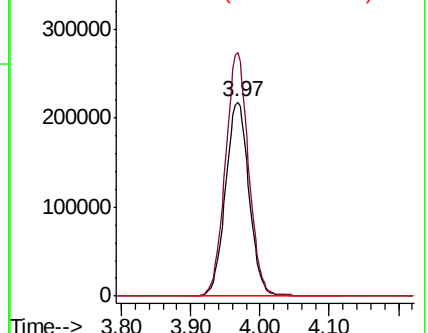
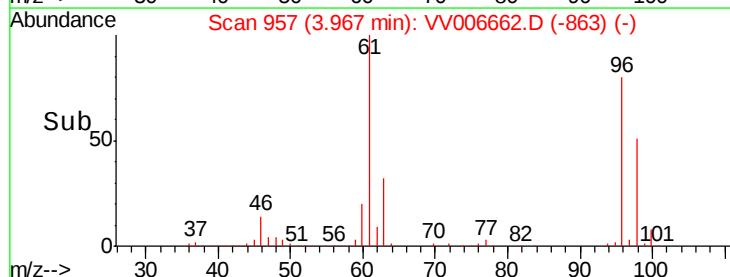
68 0.0 0.0 0.0

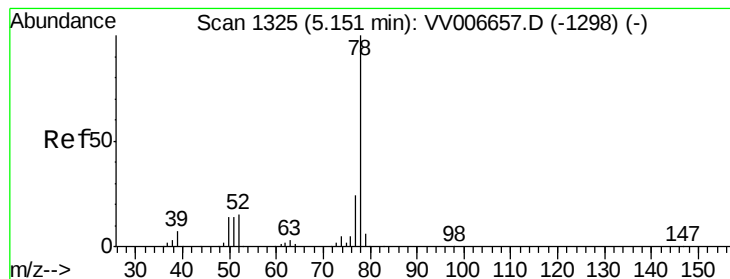


Abundance Ion 96.00 (95.70 to 96.70): VV006662.D (-863) (-)

Ion 61.05 (60.75 to 61.75): VV006662.D (-863) (-)

Ion 68.15 (67.85 to 68.85): VV006662.D (-863) (-)





#33

Benzene

Concen: 4.70 ug/L

RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

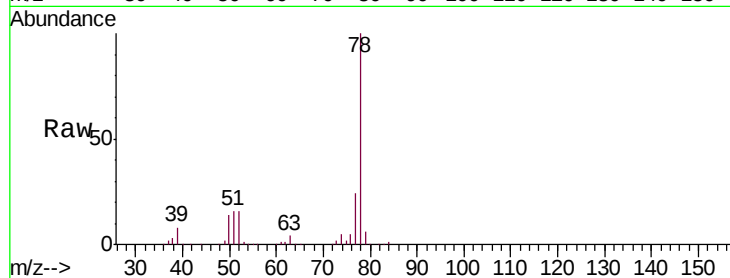
Instrument :

MSVOA_V

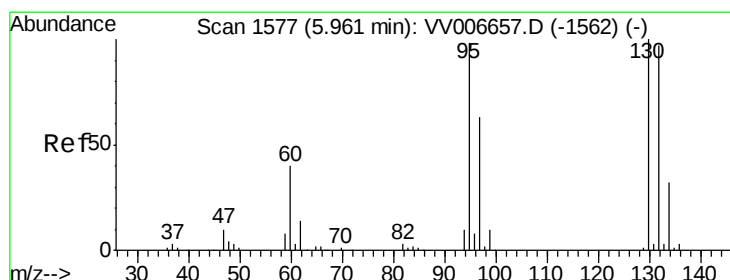
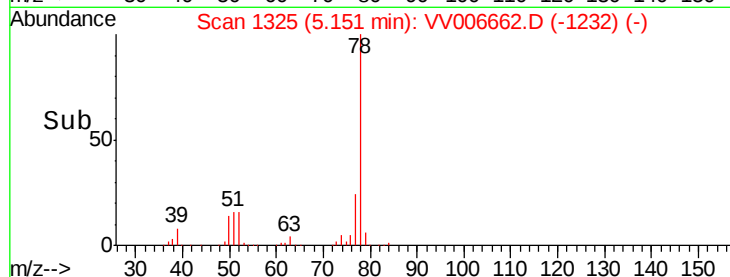
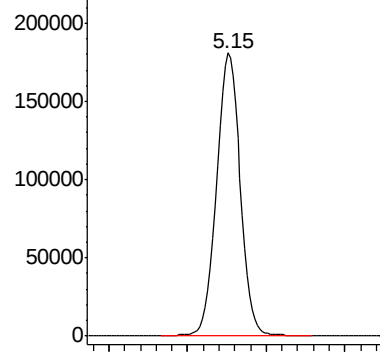
ClientSampleId :

DB170MS

Tgt Ion: 78 Resp: 385805



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 12.88 ug/L

RT: 5.96 min Scan# 1578

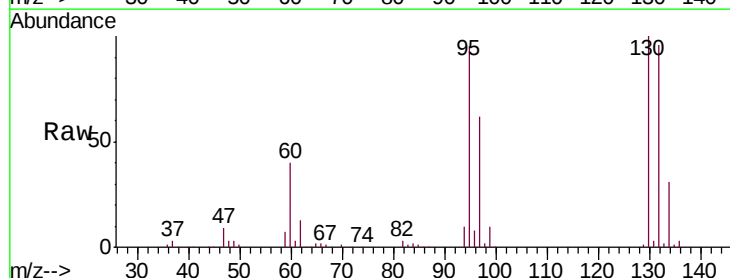
Delta R.T. 0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

Tgt Ion: 95 Resp: 267257

Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.3	84.1
132	100.6	70.3	130.7
130	104.9	73.7	136.9

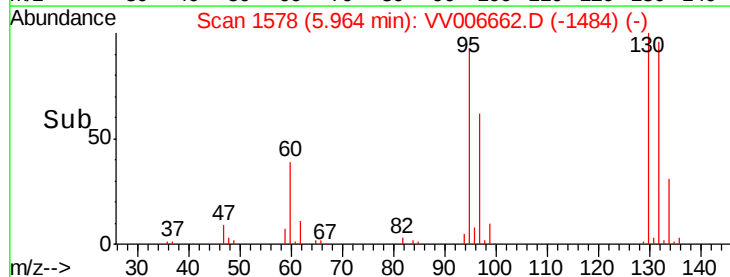
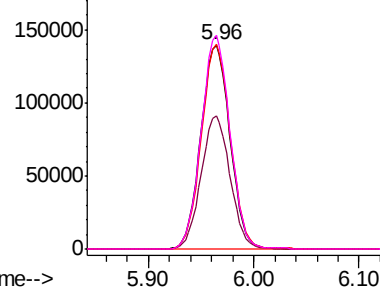


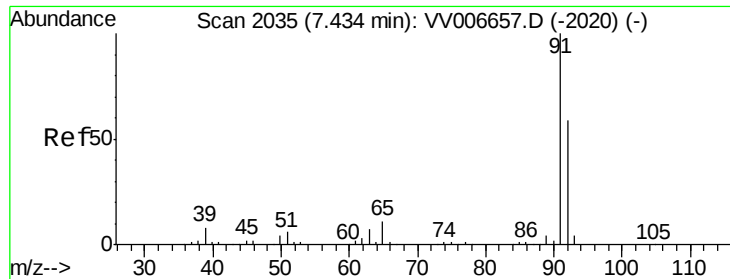
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 4.73 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

Instrument :

MSVOA_V

ClientSampleId :

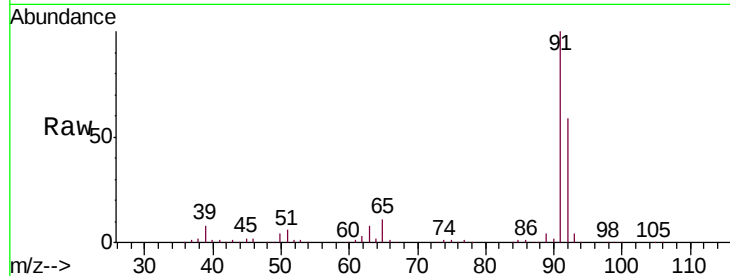
DB170MS

Tot Ion: 91 Resp: 400577

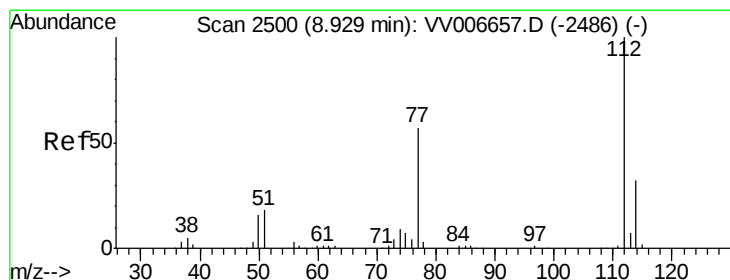
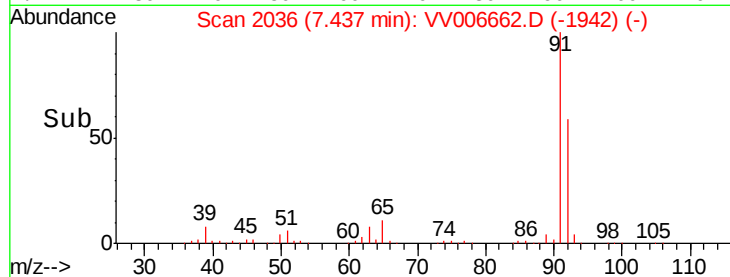
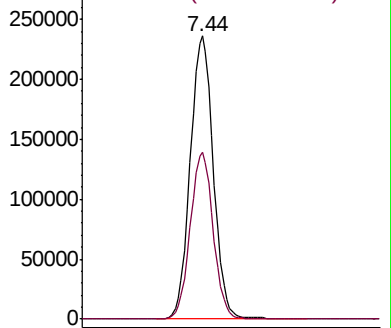
Ion Ratio Lower Upper

91 100

92 58.9 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV006657.D (-2020) (-)



#51

Chlorobenzene

Concen: 4.74 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV006662.D

Acq: 20 Jul 2018 12:49

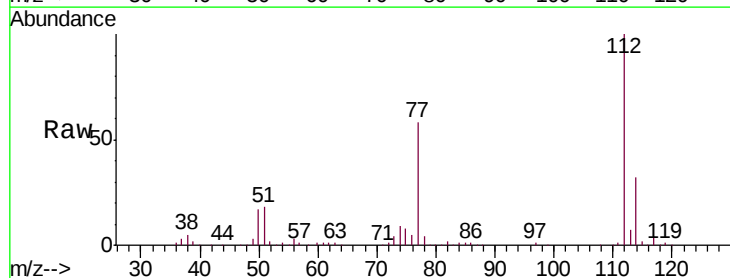
Tgt Ion: 112 Resp: 260953

Ion Ratio Lower Upper

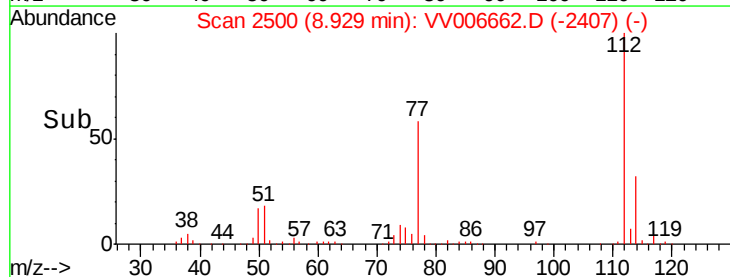
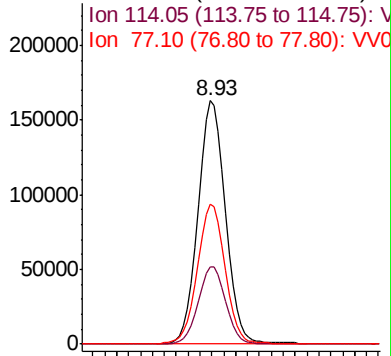
112 100

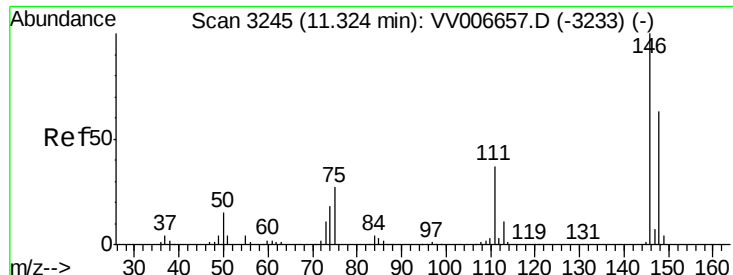
114 31.9 21.8 40.4

77 57.7 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): VV006657.D (-2486) (-)





#63

1,4-Dichlorobenzene

Concen: 0.29 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

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Acq: 20 Jul 2018 12:49

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DB170MS

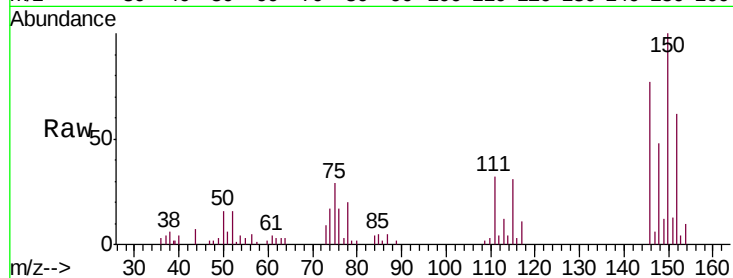
Tot Ion:146 Resp: 11300

Ion Ratio Lower Upper

146 100

111 41.4 26.0 48.4

148 62.3 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

