

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072018\
 Data File : VV006659.D
 Acq On : 20 Jul 2018 11:28
 Operator : SY/MD
 Sample : J3983-08DL 40X
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB174DL

Quant Time: Jul 26 02:09:01 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	241896	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	220933	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94370	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88372	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.58	69	65508	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.40%
11) 1,1-Dichloroethene-d2	2.13	63	123948	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.95	46	98181	26.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	53.26%
24) Chloroform-d	4.40	84	146761	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.09	65	71122	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.10	84	321639	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.12	67	99005	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.36	98	280526	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.67	79	26664	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.14	63	141272	44.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65613	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	94309	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

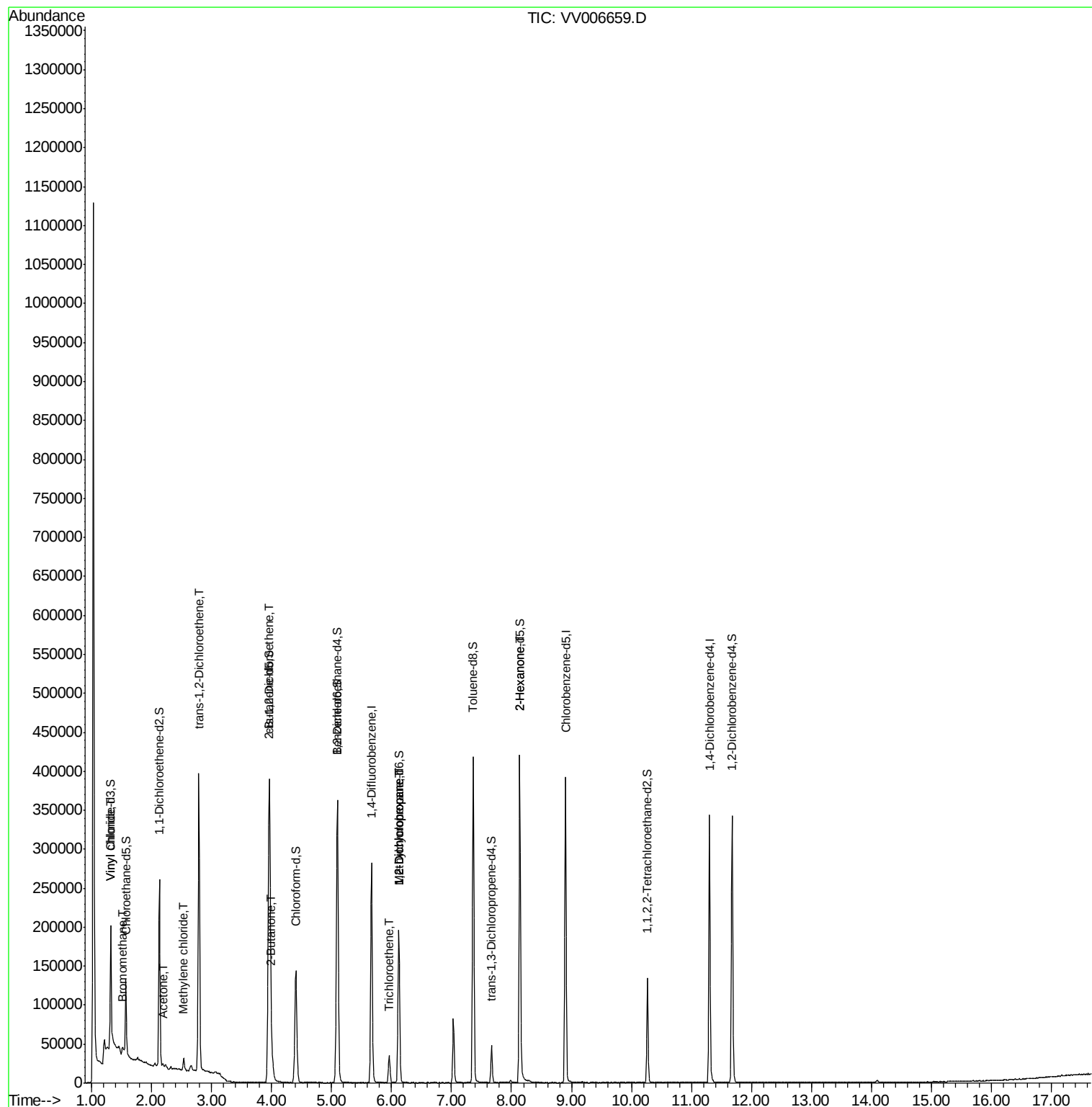
					Qvalue
5) Vinyl chloride	1.32	62	30425	1.211 ug/L #	1
6) Bromomethane	1.52	94	2094	0.294 ug/L	97
13) Acetone	2.19	43	1635	0.578 ug/L	97
16) Methylene chloride	2.54	84	6437	0.286 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	141634	7.176 ug/L	99
21) 2-Butanone	4.01	43	6221	1.314 ug/L #	70
22) cis-1,2-Dichloroethene	3.96	96	182506	8.831 ug/L	99
34) Trichloroethene	5.96	95	12094	0.615 ug/L	97
35) Methylcyclohexane	6.12	83	23073	0.703 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	10039	0.506 ug/L #	86
48) 2-Hexanone	8.14	43	16170	2.158 ug/L #	70

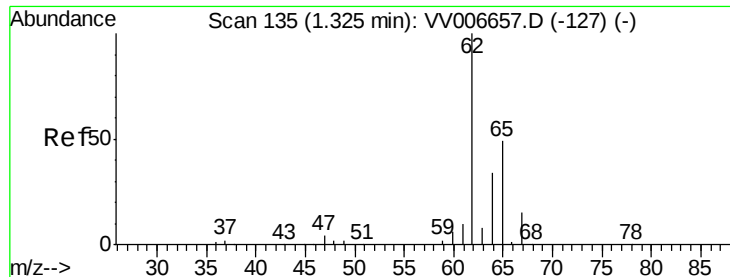
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 1.211 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006659.D

Acq: 20 Jul 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

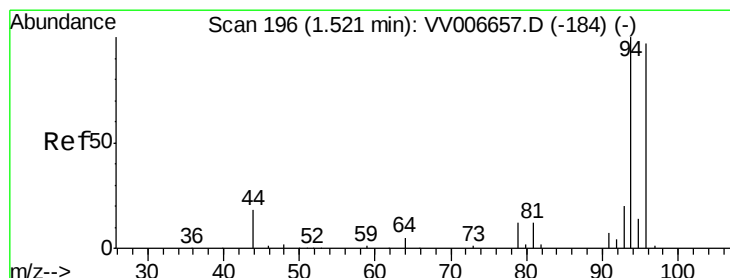
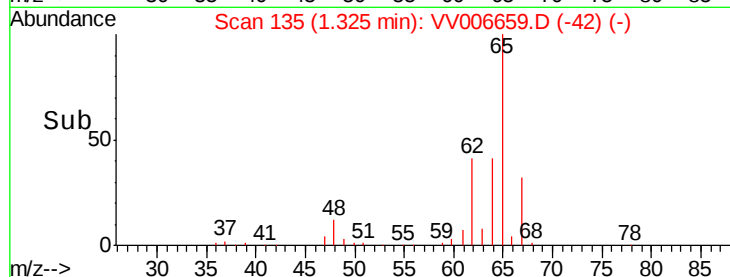
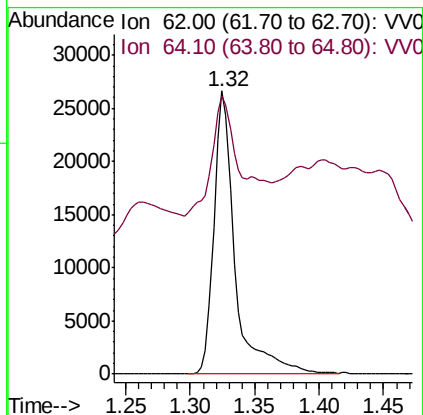
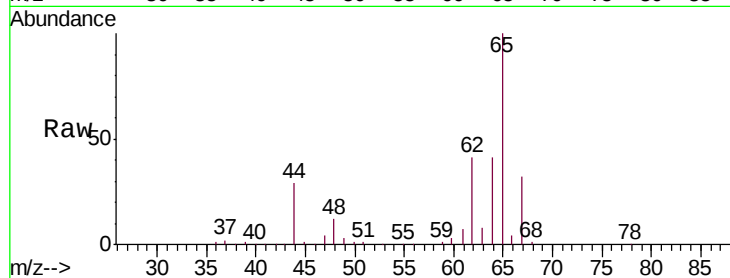
DB174DL

Tgt Ion: 62 Resp: 30425

Ion Ratio Lower Upper

62 100

64 98.3 23.7 44.1#



#6

Bromomethane

Concen: 0.294 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.00 min

Lab File: VV006659.D

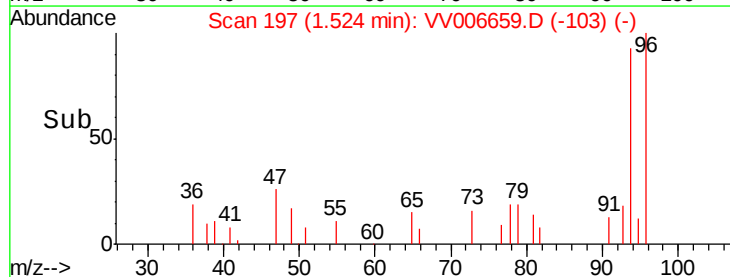
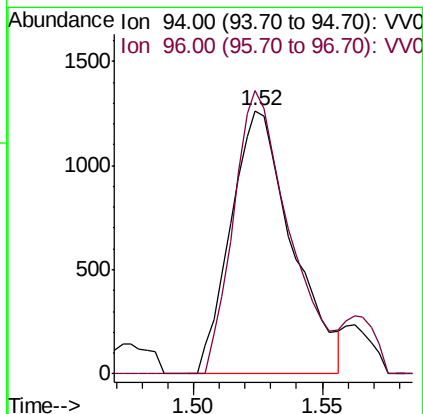
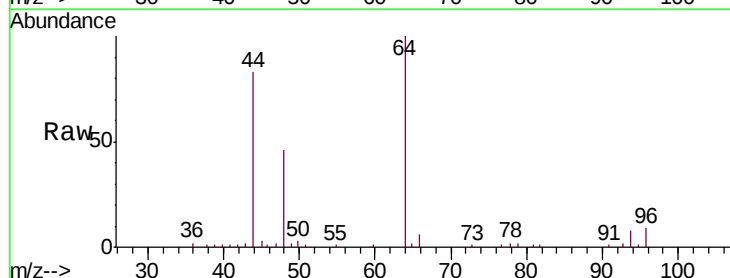
Acq: 20 Jul 2018 11:28

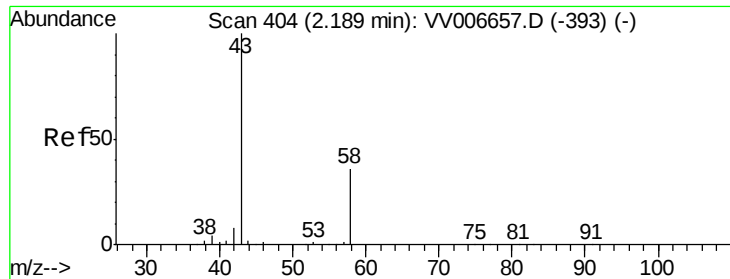
Tgt Ion: 94 Resp: 2094

Ion Ratio Lower Upper

94 100

96 95.1 64.5 119.7





#13

Acetone

Concen: 0.578 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006659.D

Acq: 20 Jul 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

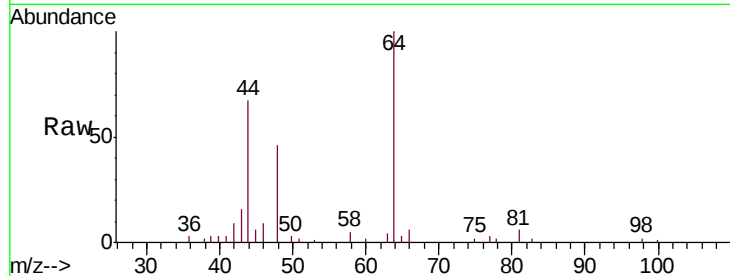
DB174DL

Tgt Ion: 43 Resp: 1635

Ion Ratio Lower Upper

43 100

58 38.4 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) (-)

1500

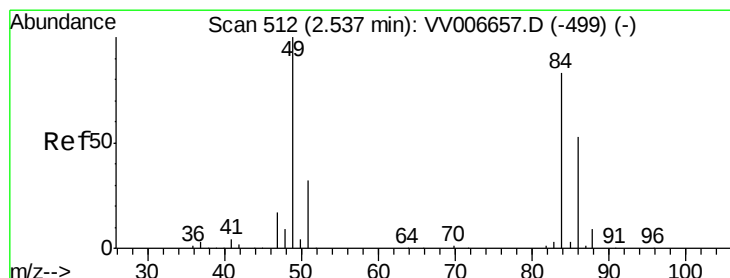
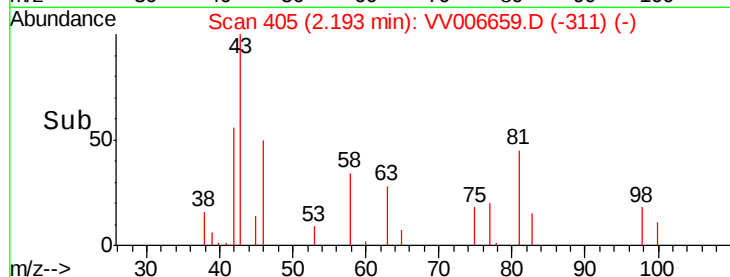
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 0.286 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006659.D

Acq: 20 Jul 2018 11:28

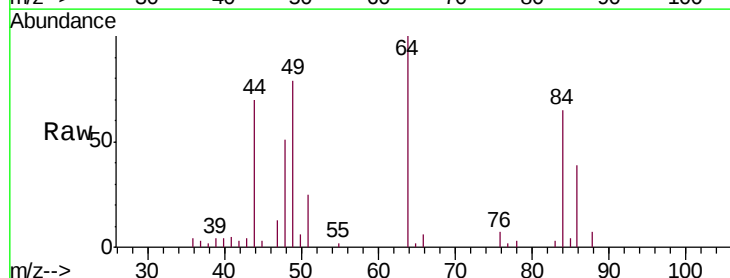
Tgt Ion: 84 Resp: 6437

Ion Ratio Lower Upper

84 100

86 59.2 45.4 84.2

49 121.4 85.1 158.1



Abundance Ion 84.05 (83.75 to 84.75): VV006657.D (-499) (-)

Ion 86.00 (85.70 to 86.70): VV006657.D (-499) (-)

Ion 49.10 (48.80 to 49.80): VV006657.D (-499) (-)

6000

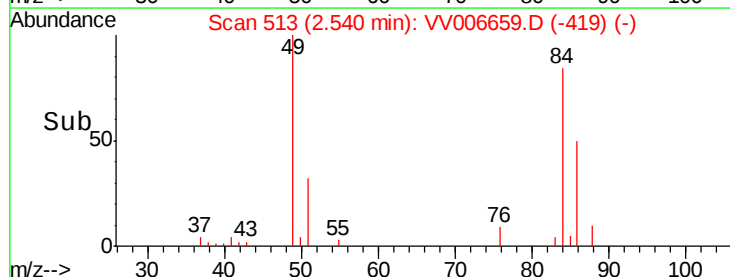
4000

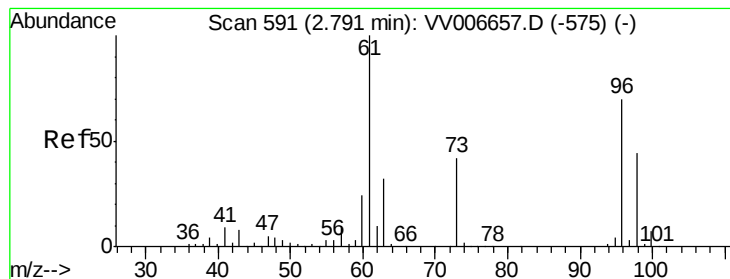
2000

0

2.50 2.55

Time-->





#18

trans-1,2-Dichloroethene

Concen: 7.176 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV006659.D

Acq: 20 Jul 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

DB174DL

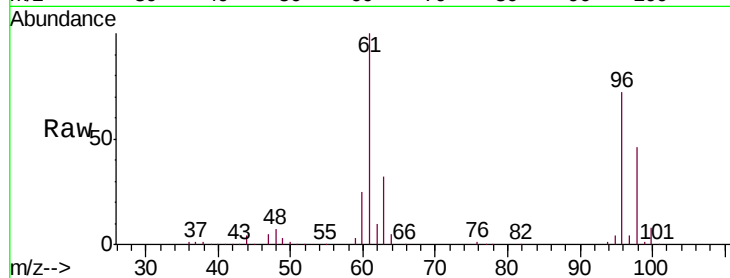
Tgt Ion: 96 Resp: 141634

Ion Ratio Lower Upper

96 100

61 138.3 96.0 178.4

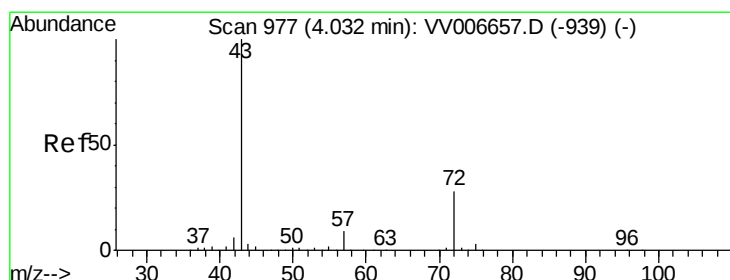
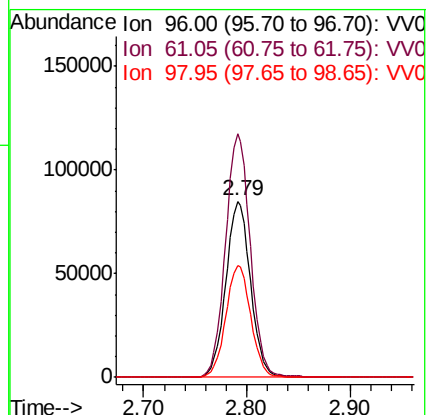
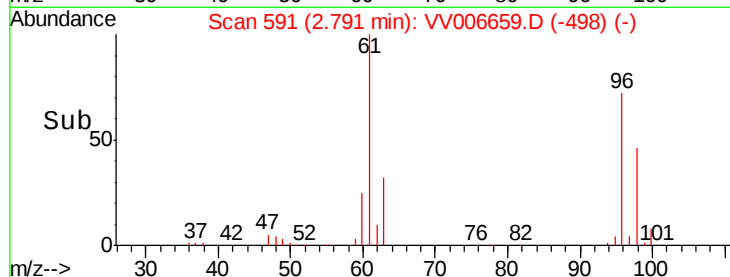
98 63.6 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV006659.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006659.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006659.D (-498) (-)



#21

2-Butanone

Concen: 1.314 ug/L

RT: 4.01 min Scan# 969

Delta R.T. -0.03 min

Lab File: VV006659.D

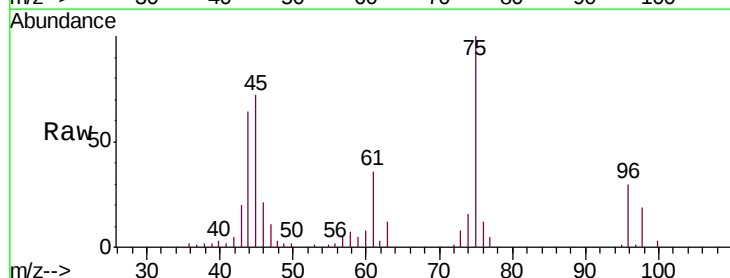
Acq: 20 Jul 2018 11:28

Tgt Ion: 43 Resp: 6221

Ion Ratio Lower Upper

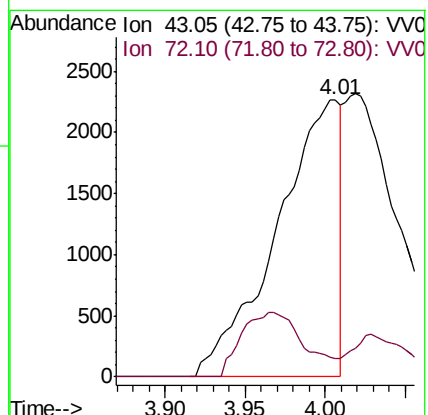
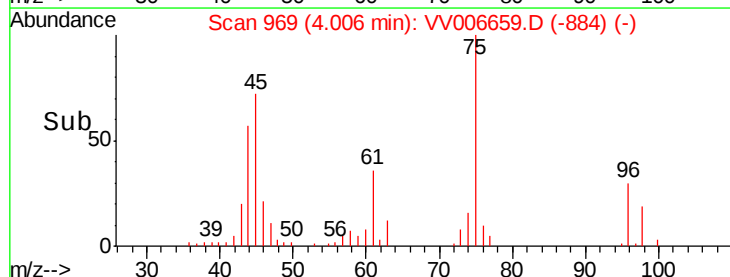
43 100

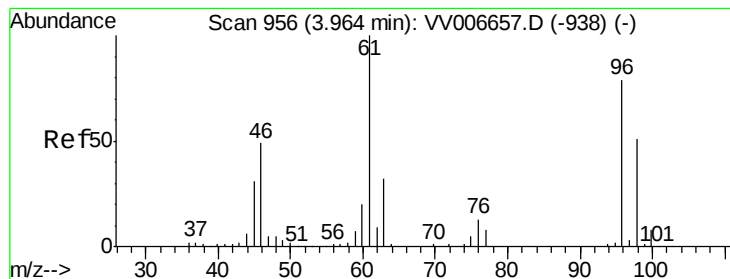
72 12.2 13.9 41.6#



Abundance Ion 43.05 (42.75 to 43.75): VV006659.D (-884) (-)

Ion 72.10 (71.80 to 72.80): VV006659.D (-884) (-)



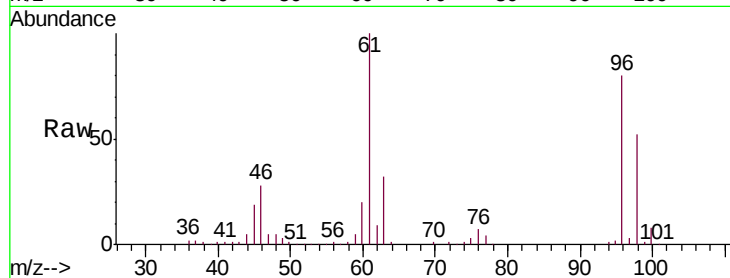


#22

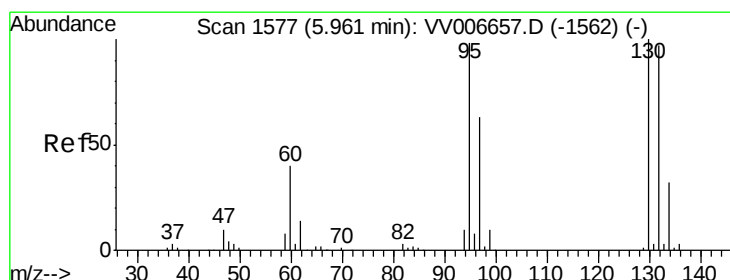
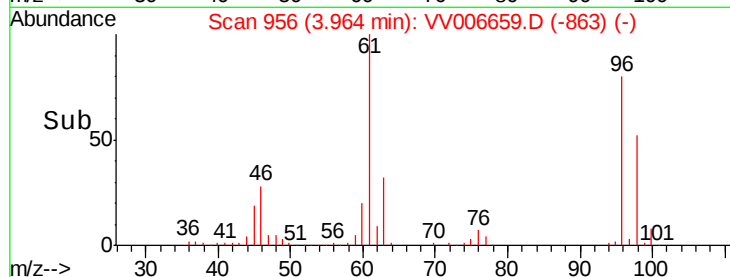
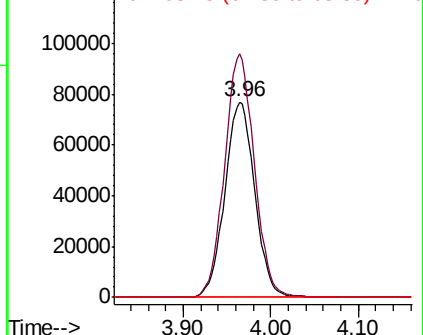
cis-1,2-Dichloroethene
Concen: 8.831 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV006659.D
Acq: 20 Jul 2018 11:28

Instrument :
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Tgt Ion: 96 Resp: 182506
Ion Ratio Lower Upper
96 100
61 124.5 86.2 160.0
68 0.0 0.0 0.0



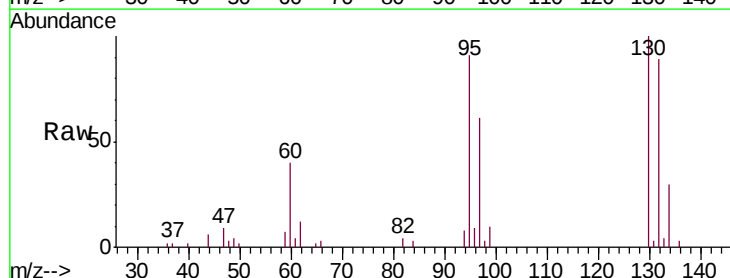
Abundance Ion 96.00 (95.70 to 96.70): VV006659.D (-1484) (-)
Ion 61.05 (60.75 to 61.75): VV006659.D (-1484) (-)
Ion 68.15 (67.85 to 68.85): VV006659.D (-1484) (-)



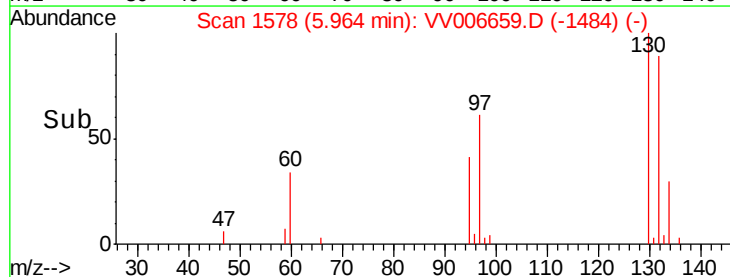
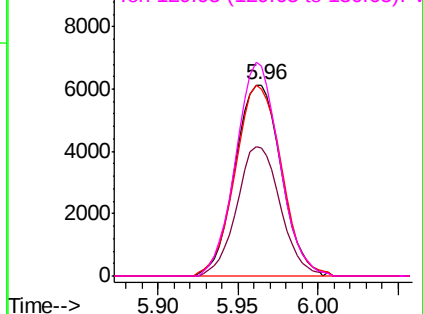
#34

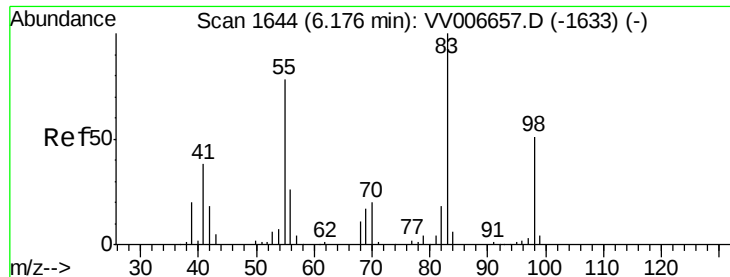
Trichloroethene
Concen: 0.615 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VV006659.D
Acq: 20 Jul 2018 11:28

Tgt Ion: 95 Resp: 12094
Ion Ratio Lower Upper
95 100
97 67.0 45.3 84.1
132 97.6 70.3 130.7
130 109.8 73.7 136.9



Abundance Ion 95.00 (94.70 to 95.70): VV006659.D (-1484) (-)
Ion 96.95 (96.65 to 97.65): VV006659.D (-1484) (-)
Ion 131.95 (131.65 to 132.65): VV006659.D (-1484) (-)
Ion 129.95 (129.65 to 130.65): VV006659.D (-1484) (-)

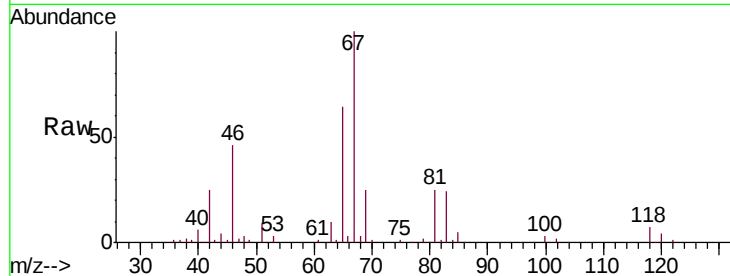




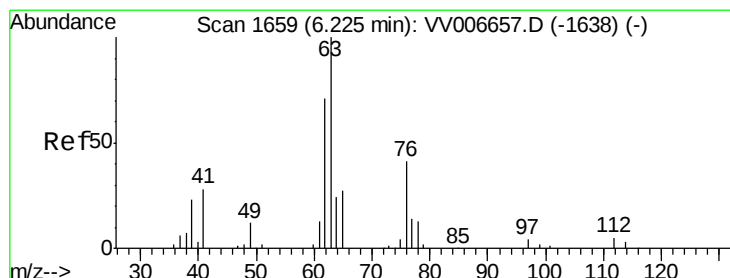
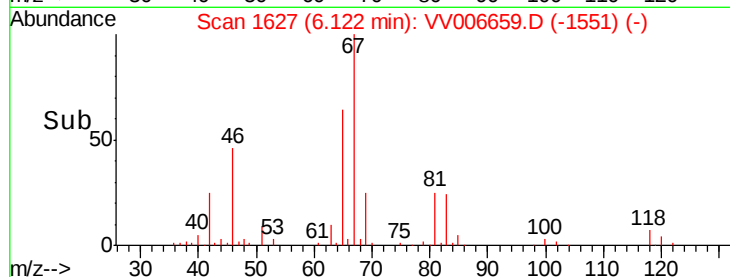
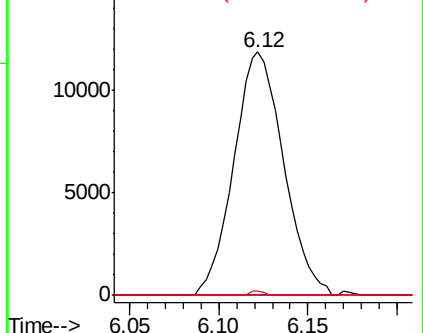
#35
Methylcyclohexane
Concen: 0.703 ug/L
RT: 6.12 min Scan# 1627
Delta R.T. -0.05 min
Lab File: VV006659.D
Acq: 20 Jul 2018 11:28

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 83 Resp: 23073
Ion Ratio Lower Upper
83 100
55 0.0 61.3 91.9#
98 0.5 39.4 59.0#

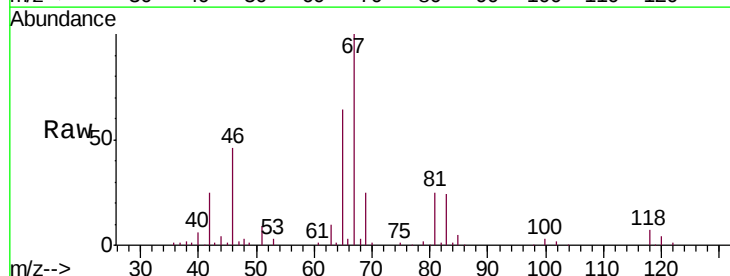


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

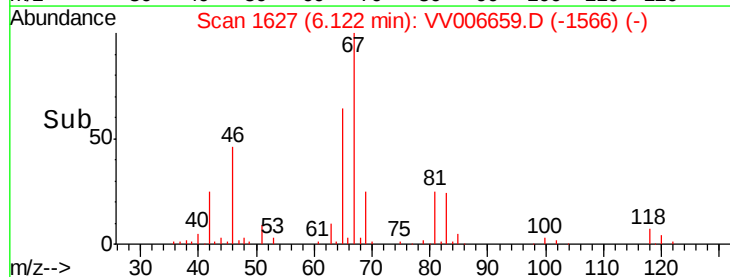
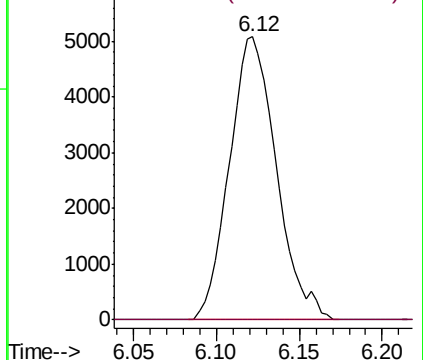


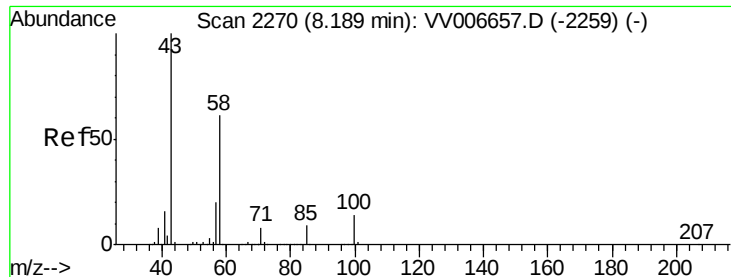
#37
1,2-Dichloropropane
Concen: 0.506 ug/L
RT: 6.12 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VV006659.D
Acq: 20 Jul 2018 11:28

Tgt Ion: 63 Resp: 10039
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#48

2-Hexanone

Concen: 2.158 ug/L

RT: 8.14 min Scan# 2254

Delta R.T. -0.05 min

Lab File: VV006659.D

Acq: 20 Jul 2018 11:28

Instrument :

MSVOA_V

ClientSampleId :

DB174DL

Tgt Ion: 43 Resp: 16170

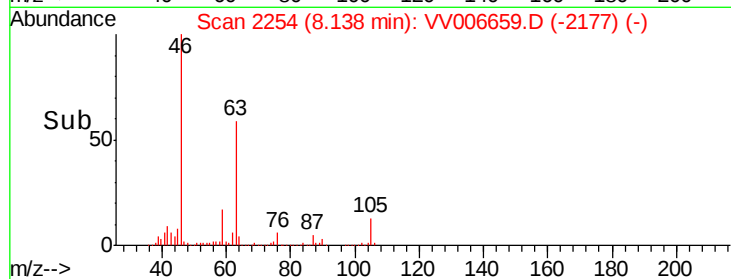
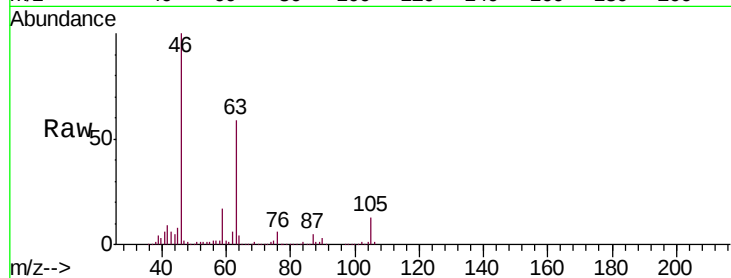
Ion Ratio Lower Upper

43 100

58 35.3 48.2 72.2#

57 31.2 16.2 24.4#

100 2.8 11.0 16.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

