

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072018\
 Data File : VV006663.D
 Acq On : 20 Jul 2018 13:16
 Operator : SY/MD
 Sample : J3983-05MSD
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB170MSD

Quant Time: Jul 26 02:09:29 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	242288	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	221178	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98588	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84407	4.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.40%
7) Chloroethane-d5	1.58	69	65688	5.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.40%
11) 1,1-Dichloroethene-d2	2.13	63	159038	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.97	46	169847	45.99	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.98%
24) Chloroform-d	4.41	84	140876	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.09	65	66777	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	300470	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.12	67	93883	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	265866	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	29318	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.14	63	143839	45.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.28%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	64976	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	92510	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	164407	6.534 ug/L #	21
8) Chloroethane	1.32	64	442511	30.611 ug/L #	52
12) 1,1-Dichloroethene	2.14	96	88595	4.939 ug/L	99
13) Acetone	2.22	43	3623	1.279 ug/L	95
14) Carbon disulfide	2.32	76	13523	0.232 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	222712	11.265 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	528632	25.538 ug/L	99
33) Benzene	5.15	78	379248	4.875 ug/L	100
34) Trichloroethene	5.96	95	266756	13.551 ug/L	98
35) Methylcyclohexane	6.12	83	22576	0.687 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	9144	0.461 ug/L #	86
42) Toluene	7.44	91	388074	4.826 ug/L	100
48) 2-Hexanone	8.14	43	16042	2.139 ug/L #	66
51) Chlorobenzene	8.93	112	252846	4.839 ug/L	99
62) 1,3-Dichlorobenzene	11.32	146	11511	0.321 ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	11511	0.315 ug/L	99

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

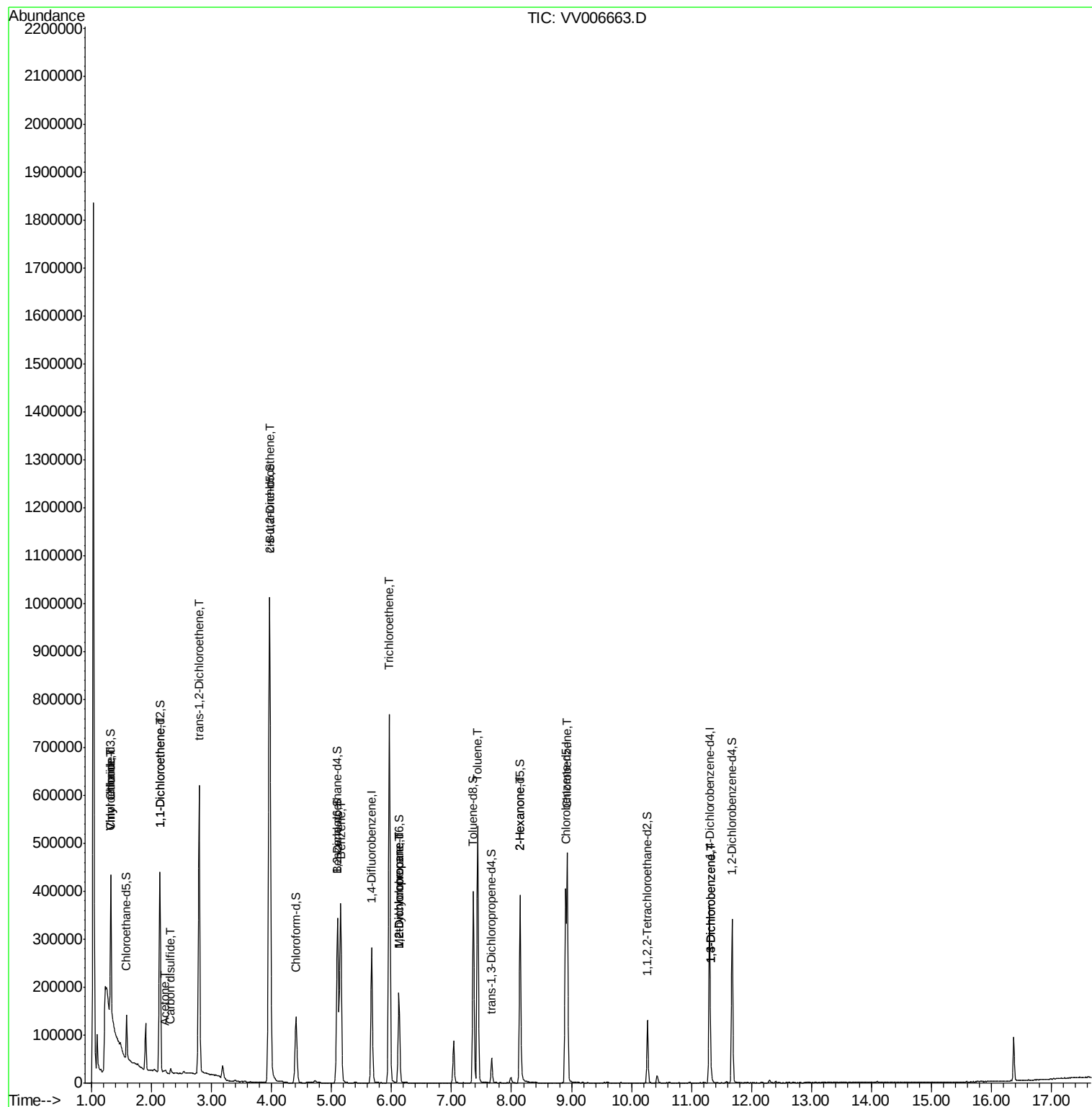
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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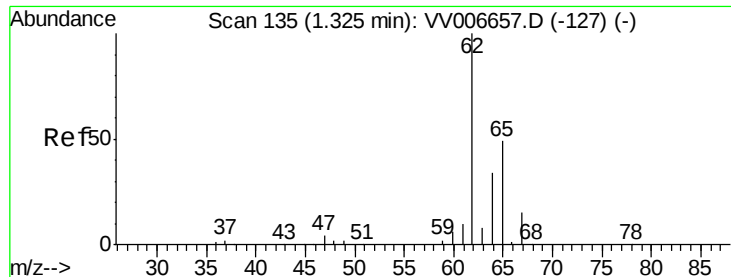
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.534 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006663.D

Acq: 20 Jul 2018 13:16

Instrument :

MSVOA_V

ClientSampleId :

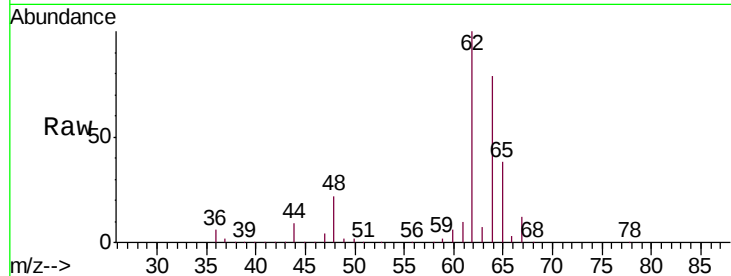
DB170MSD

Tgt Ion: 62 Resp: 164407

Ion Ratio Lower Upper

62 100

64 79.2 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

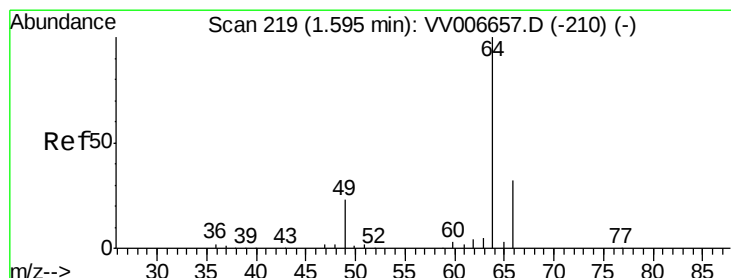
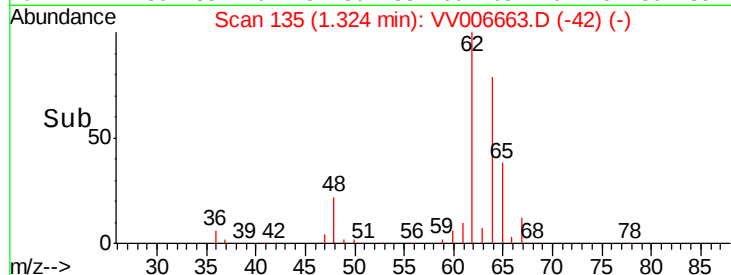
100000

50000

0

Time-->

1.30 1.40 1.50



#8

Chloroethane

Concen: 30.611 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.27 min

Lab File: VV006663.D

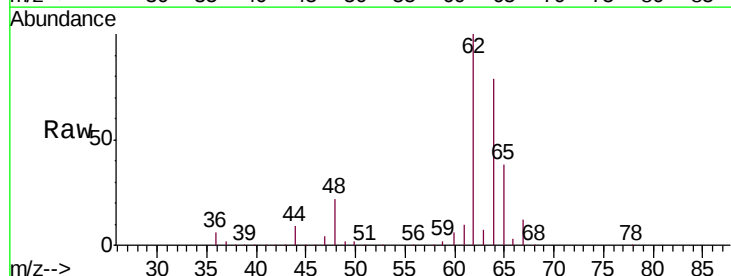
Acq: 20 Jul 2018 13:16

Tgt Ion: 64 Resp: 442511

Ion Ratio Lower Upper

64 100

66 4.0 21.1 39.3#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.32

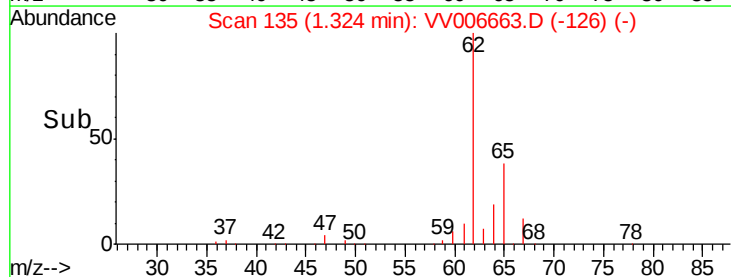
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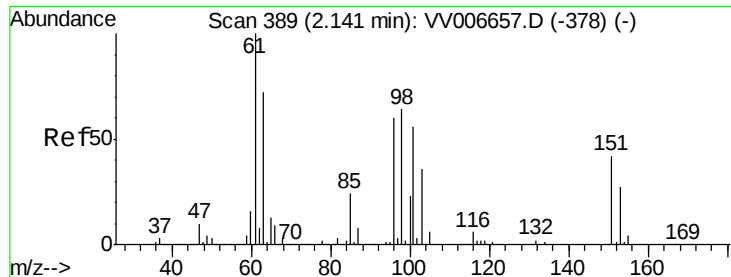
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Time-->

1.20 1.40 1.60

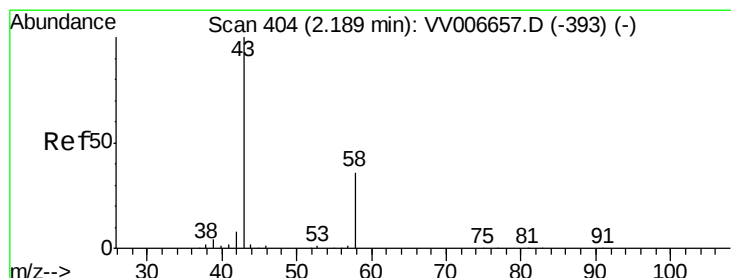
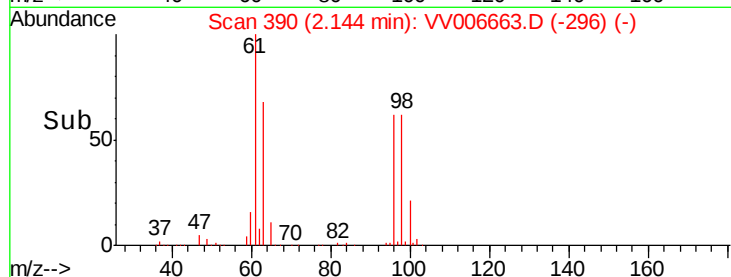
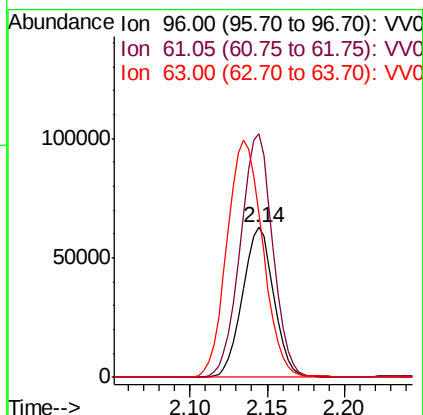
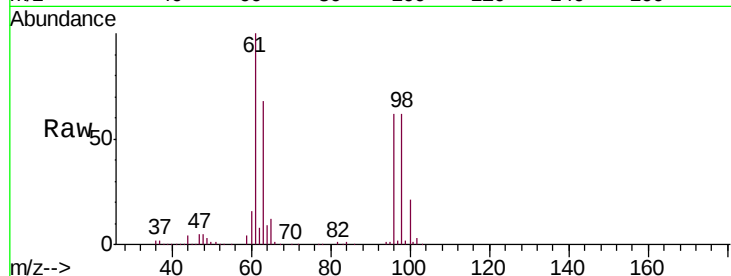




#12
 1,1-Dichloroethene
 Concen: 4.939 ug/L
 RT: 2.14 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VV006663.D
 Acq: 20 Jul 2018 13:16

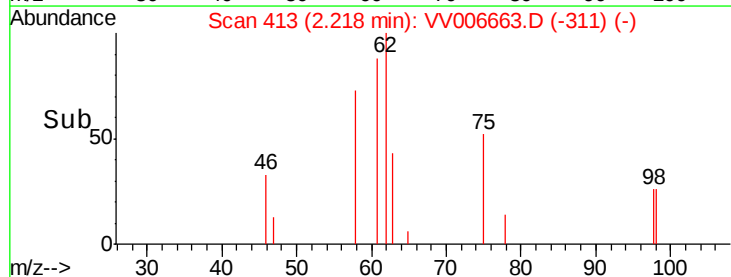
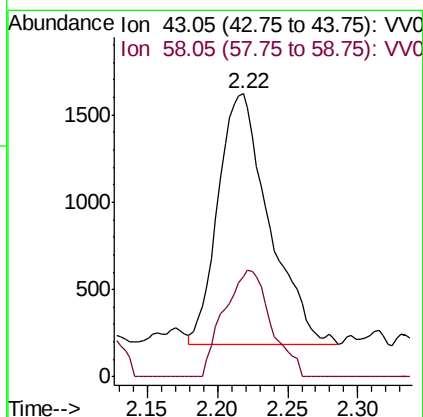
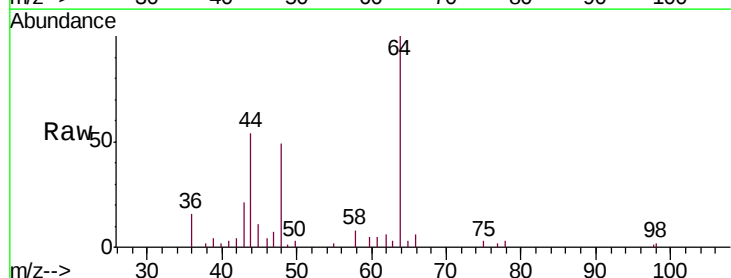
Instrument :
 MSVOA_V
 ClientSampleId :
 DB170MSD

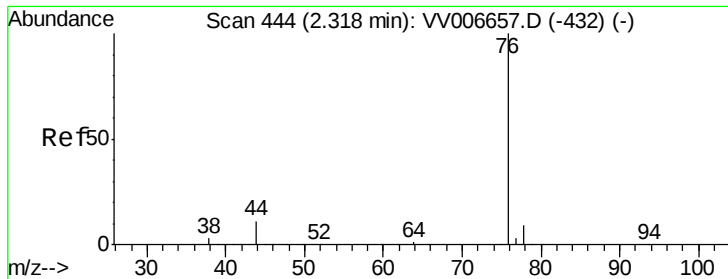
Tgt Ion: 96 Resp: 88595
 Ion Ratio Lower Upper
 96 100
 61 162.5 115.1 213.8
 63 109.9 77.2 143.4



#13
 Acetone
 Concen: 1.279 ug/L
 RT: 2.22 min Scan# 413
 Delta R.T. 0.03 min
 Lab File: VV006663.D
 Acq: 20 Jul 2018 13:16

Tgt Ion: 43 Resp: 3623
 Ion Ratio Lower Upper
 43 100
 58 39.1 0.0 72.8





#14

Carbon disulfide

Concen: 0.232 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006663.D

Acq: 20 Jul 2018 13:16

Instrument :

MSVOA_V

ClientSampleId :

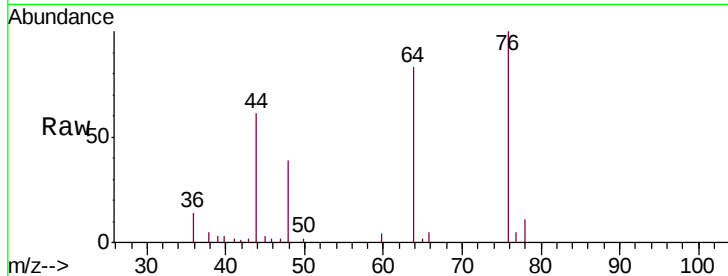
DB170MSD

Tgt Ion: 76 Resp: 13523

Ion Ratio Lower Upper

76 100

78 10.7 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) (-)

2.32

8000

6000

4000

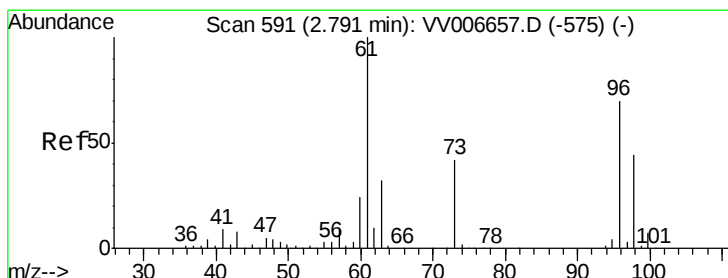
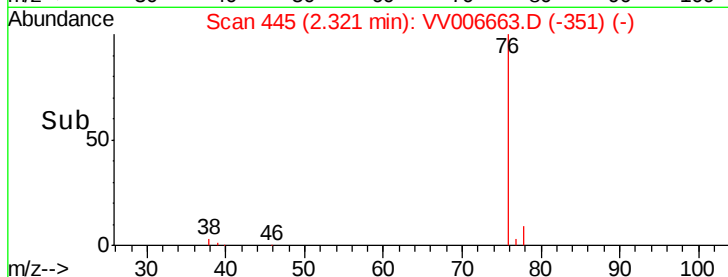
2000

0

Time-->

2.30

2.35



#18

trans-1,2-Dichloroethene

Concen: 11.265 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006663.D

Acq: 20 Jul 2018 13:16

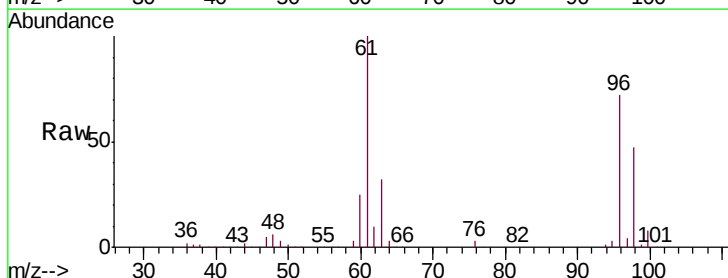
Tgt Ion: 96 Resp: 222712

Ion Ratio Lower Upper

96 100

61 138.7 96.0 178.4

98 64.7 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV006657.D (-575) (-)

Ion 61.05 (60.75 to 61.75): VV006657.D (-575) (-)

Ion 97.95 (97.65 to 98.65): VV006657.D (-575) (-)

250000

200000

150000

100000

50000

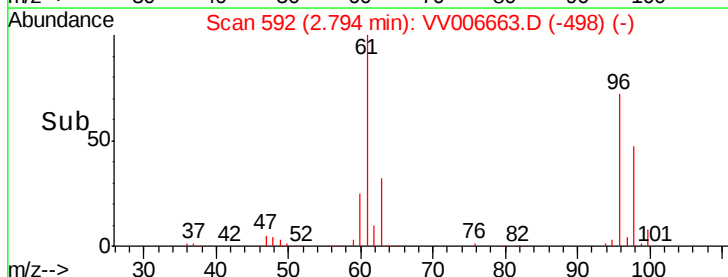
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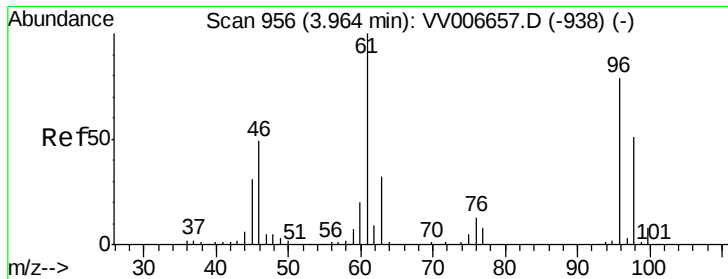
Time-->

2.70

2.80

2.90



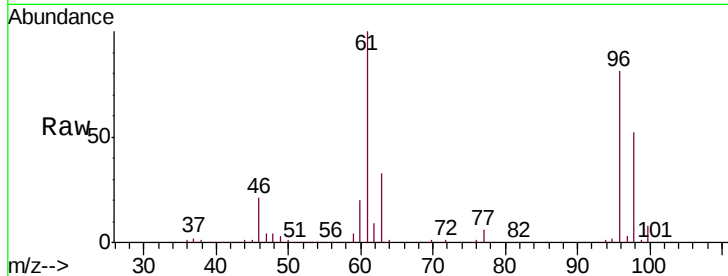


#22

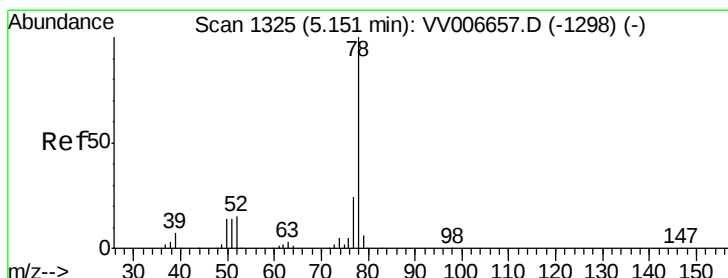
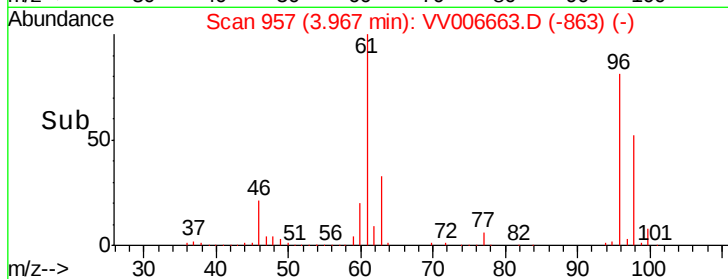
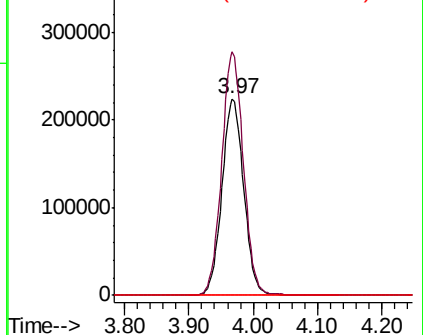
cis-1,2-Dichloroethene
 Concen: 25.538 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006663.D
 Acq: 20 Jul 2018 13:16

Instrument :
 MSVOA_V
 ClientSampled :
 DB170MSD

Tgt Ion: 96 Resp: 528632
 Ion Ratio Lower Upper
 96 100
 61 124.0 86.2 160.0
 68 0.0 0.0 0.0



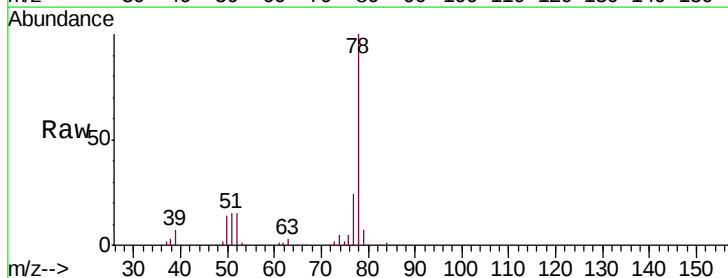
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



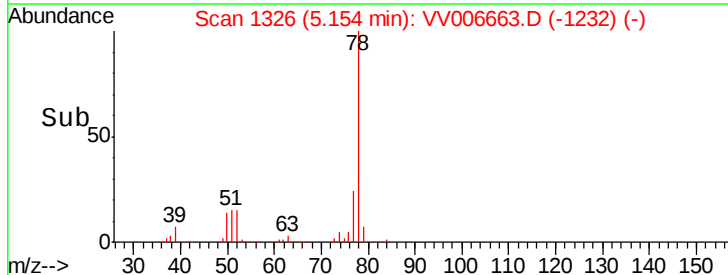
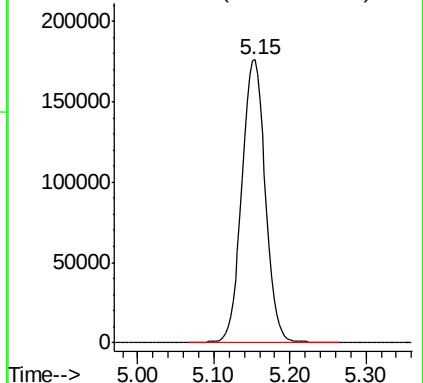
#33

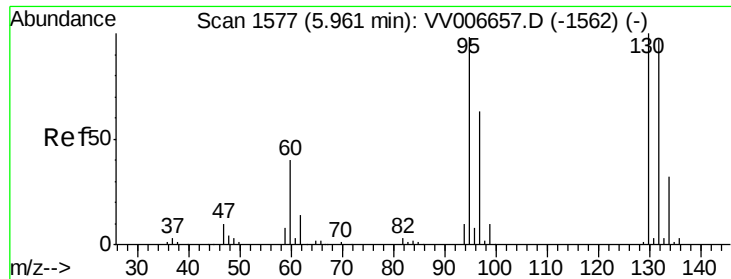
Benzene
 Concen: 4.875 ug/L
 RT: 5.15 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VV006663.D
 Acq: 20 Jul 2018 13:16

Tgt Ion: 78 Resp: 379248



Abundance Ion 78.10 (77.80 to 78.80): VV0

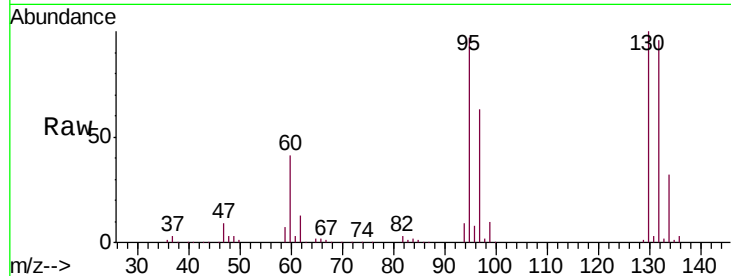




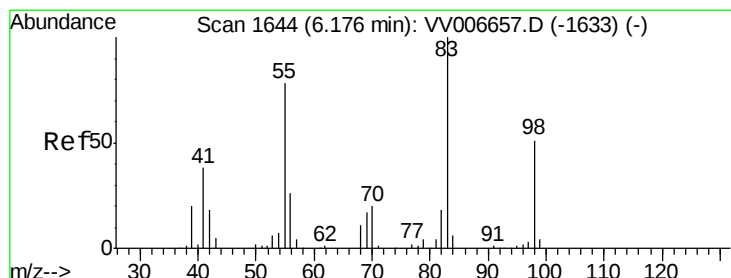
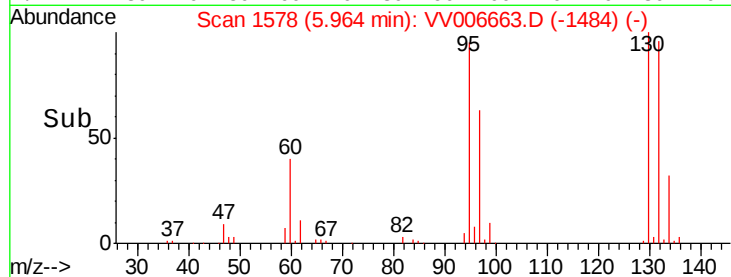
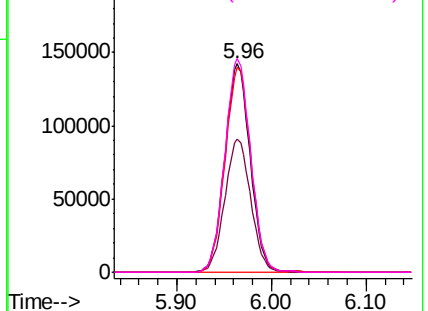
#34
 Trichloroethene
 Concen: 13.551 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006663.D
 Acq: 20 Jul 2018 13:16

Instrument :
 MSVOA_V
 ClientSampleId :
 DB170MSD

Tgt Ion: 95 Resp: 266756
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.3 84.1
 132 98.2 70.3 130.7
 130 102.7 73.7 136.9

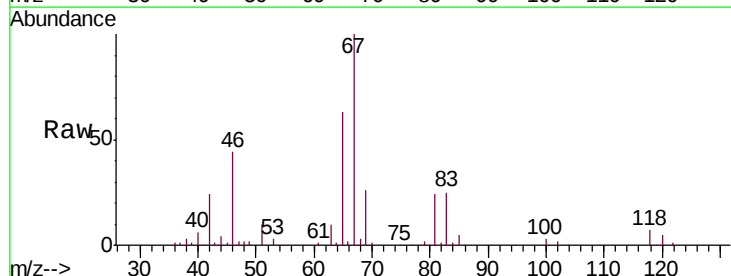


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

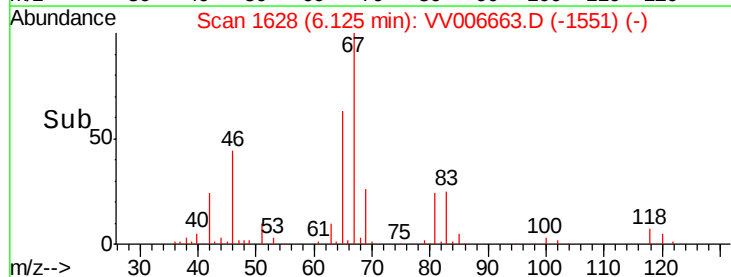
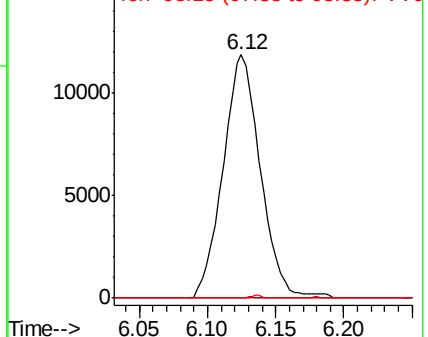


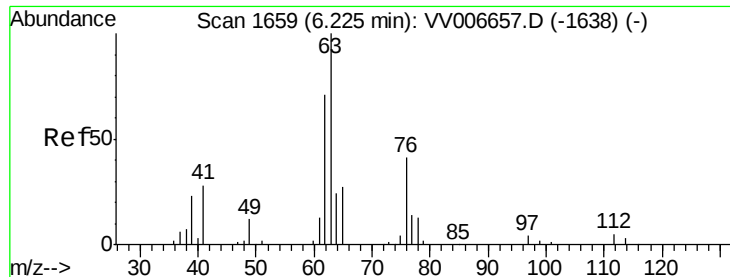
#35
 Methylcyclohexane
 Concen: 0.687 ug/L
 RT: 6.12 min Scan# 1628
 Delta R.T. -0.05 min
 Lab File: VV006663.D
 Acq: 20 Jul 2018 13:16

Tgt Ion: 83 Resp: 22576
 Ion Ratio Lower Upper
 83 100
 55 0.1 61.3 91.9#
 98 0.0 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: 0.461 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VV006663.D

Acq: 20 Jul 2018 13:16

Instrument :

MSVOA_V

ClientSampleId :

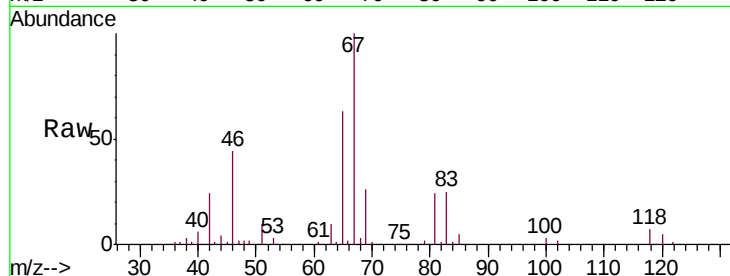
DB170MSD

Tgt Ion: 63 Resp: 9144

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV006657.D (-1638) (-)

Ion 112.10 (111.80 to 112.80): VV006657.D (-1638) (-)

6.12

5000

4000

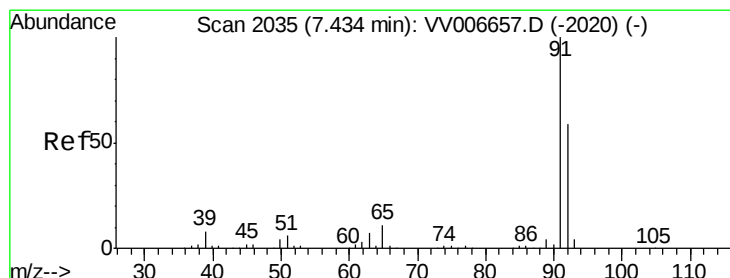
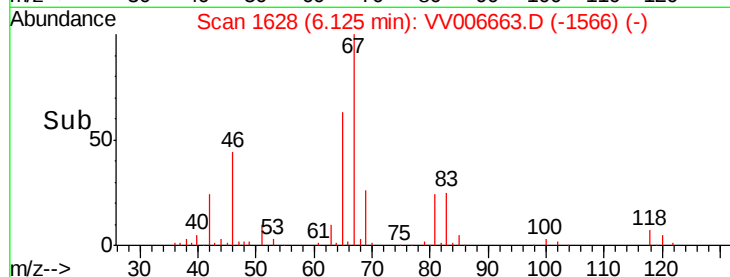
3000

2000

1000

0

Time-->



#42

Toluene

Concen: 4.826 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006663.D

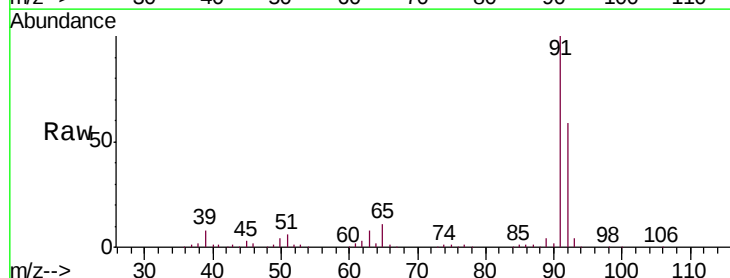
Acq: 20 Jul 2018 13:16

Tgt Ion: 91 Resp: 388074

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) (-)

Ion 92.15 (91.85 to 92.85): VV006657.D (-2020) (-)

7.44

250000

200000

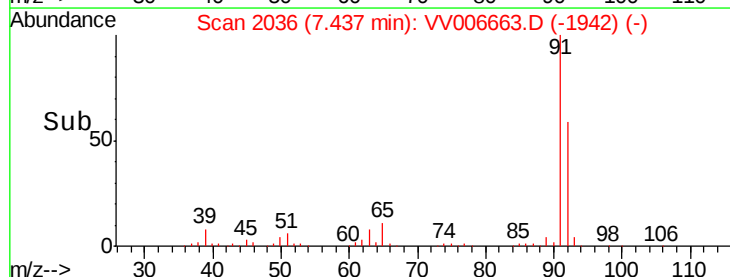
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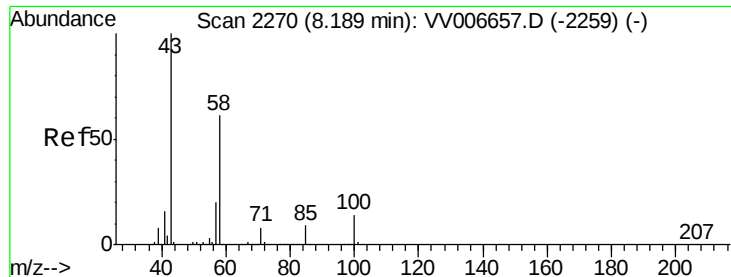
100000

50000

0

Time-->

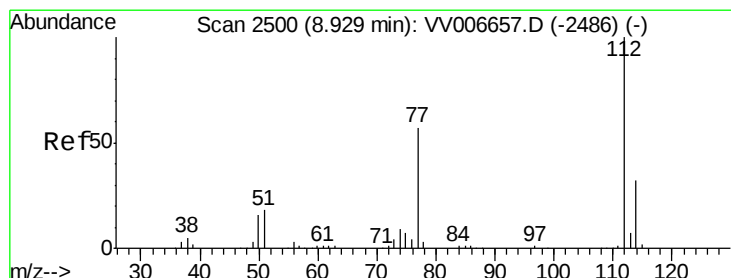
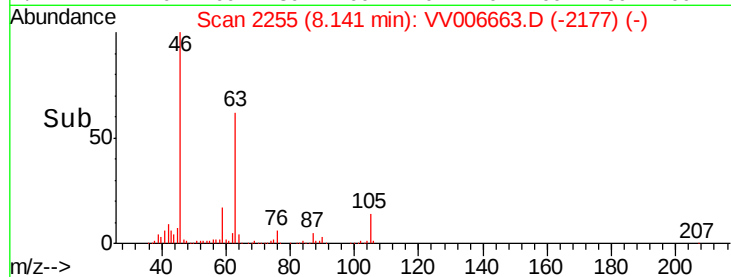
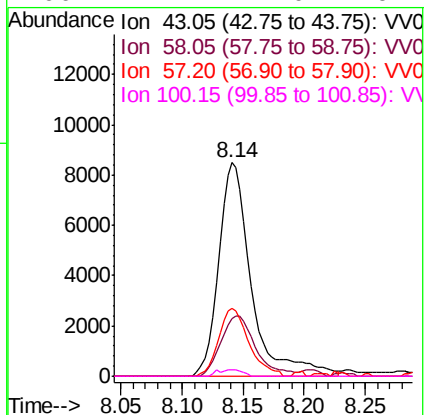
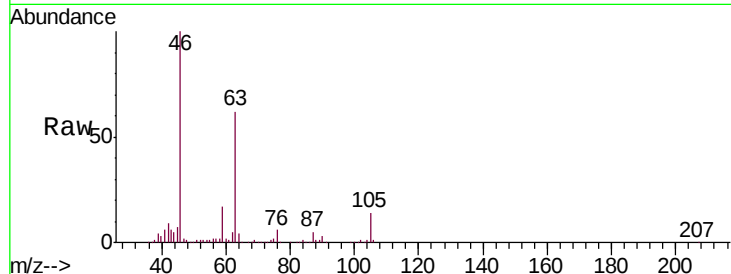




#48
2-Hexanone
Concen: 2.139 ug/L
RT: 8.14 min Scan# 2255
Delta R.T. -0.05 min
Lab File: VV006663.D
Acq: 20 Jul 2018 13:16

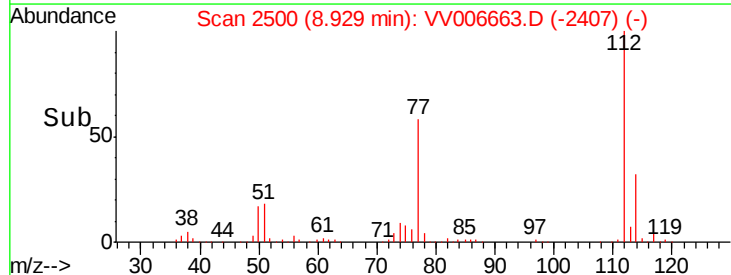
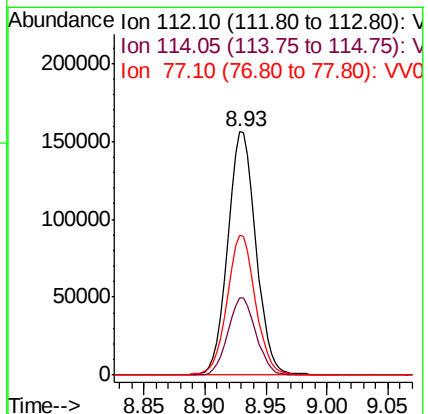
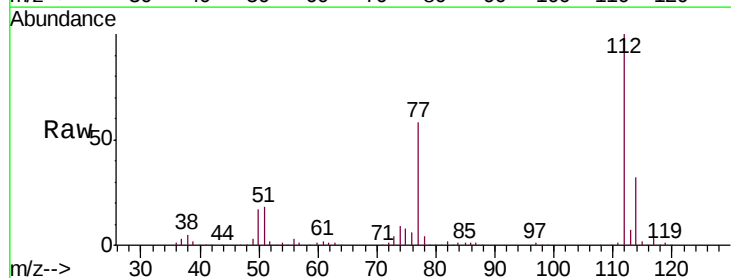
Instrument :
MSVOA_V
ClientSampleId :
DB170MSD

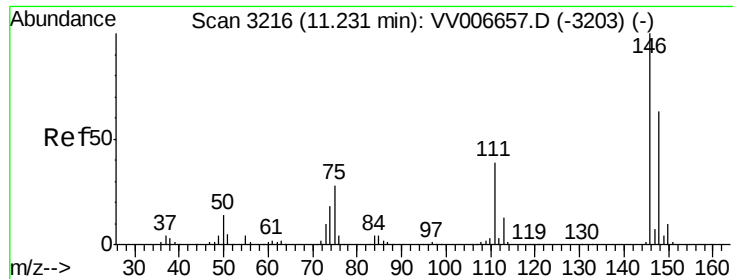
Tgt Ion: 43 Resp: 16042
Ion Ratio Lower Upper
43 100
58 29.8 48.2 72.2#
57 29.2 16.2 24.4#
100 1.4 11.0 16.4#



#51
Chlorobenzene
Concen: 4.839 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006663.D
Acq: 20 Jul 2018 13:16

Tgt Ion: 112 Resp: 252846
Ion Ratio Lower Upper
112 100
114 31.6 21.8 40.4
77 57.6 46.6 69.8





#62

1,3-Dichlorobenzene

Concen: 0.321 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.09 min

Lab File: VV006663.D

Acq: 20 Jul 2018 13:16

Instrument :

MSVOA_V

ClientSampleId :

DB170MSD

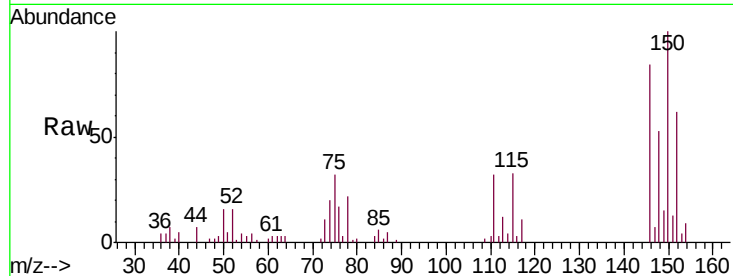
Tgt Ion:146 Resp: 11511

Ion Ratio Lower Upper

146 100

111 37.8 27.2 50.6

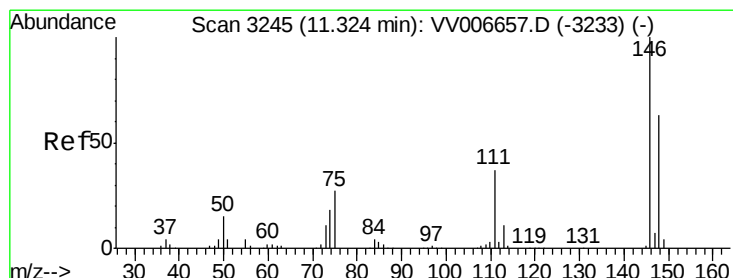
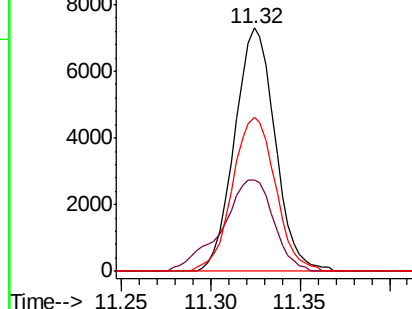
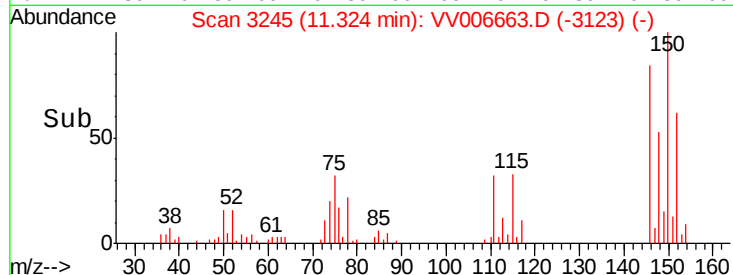
148 63.3 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 0.315 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006663.D

Acq: 20 Jul 2018 13:16

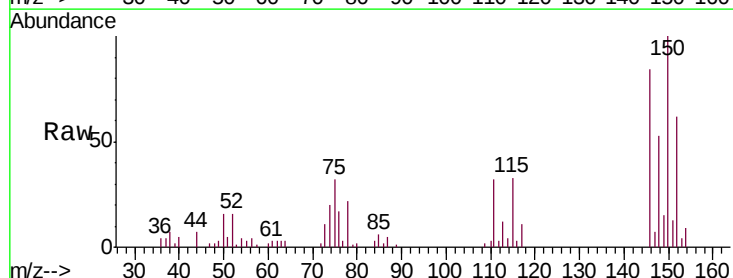
Tgt Ion:146 Resp: 11511

Ion Ratio Lower Upper

146 100

111 37.8 26.0 48.4

148 63.3 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

