

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\
 Data File : VV007971.D
 Acq On : 28 Sep 2018 23:34
 Operator : SY/MD
 Sample : J5091-02
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E62S6

Quant Time: Oct 01 04:56:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 01 04:55:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	89014	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	88501	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	48080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17891	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.59	69	17772	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.14	63	31181	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	3.96	46	69927	48.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.44%
24) Chloroform-d	4.41	84	48849	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.09	65	26459	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	5.10	84	90399	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.12	67	29680	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.36	98	84634	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	7.67	79	9281	3.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.00%
46) 2-Hexanone-d5	8.14	63	52519	46.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.26%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22866	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	42261	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
8) Chloroethane	1.32	64	349	0.081	ug/L # 1
12) 1,1-Dichloroethene	2.14	96	765	0.130	ug/L # 1
13) Acetone	2.22	43	6982	6.676	ug/L 98
15) Methyl Acetate	2.43	43	428	0.160	ug/L # 51
19) 1,1-Dichloroethane	3.23	63	12735	1.151	ug/L 94
22) cis-1,2-Dichloroethene	3.97	96	18183	2.769	ug/L 100
33) Benzene	5.15	78	4496	0.177	ug/L 100
34) Trichloroethene	5.96	95	53271	7.341	ug/L 96
35) Methylcyclohexane	6.12	83	7214	0.663	ug/L # 20
37) 1,2-Dichloropropane	6.13	63	3283	0.507	ug/L # 87
39) cis-1,3-Dichloropropene	7.03	75	790	0.091	ug/L # 67
47) Tetrachloroethene	8.02	164	3119	0.464	ug/L 89
48) 2-Hexanone	8.14	43	7394	2.616	ug/L # 70
49) Dibromochloromethane	8.02	129	2523	0.473	ug/L # 12
51) Chlorobenzene	8.93	112	6286021	329.754	ug/L 98
59) 1,2,3-Trichloropropane	10.32	75	1430	0.355	ug/L # 42
62) 1,3-Dichlorobenzene	11.23	146	87591	5.518	ug/L 99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 01 04:55:39 2018
Response via : Initial Calibration

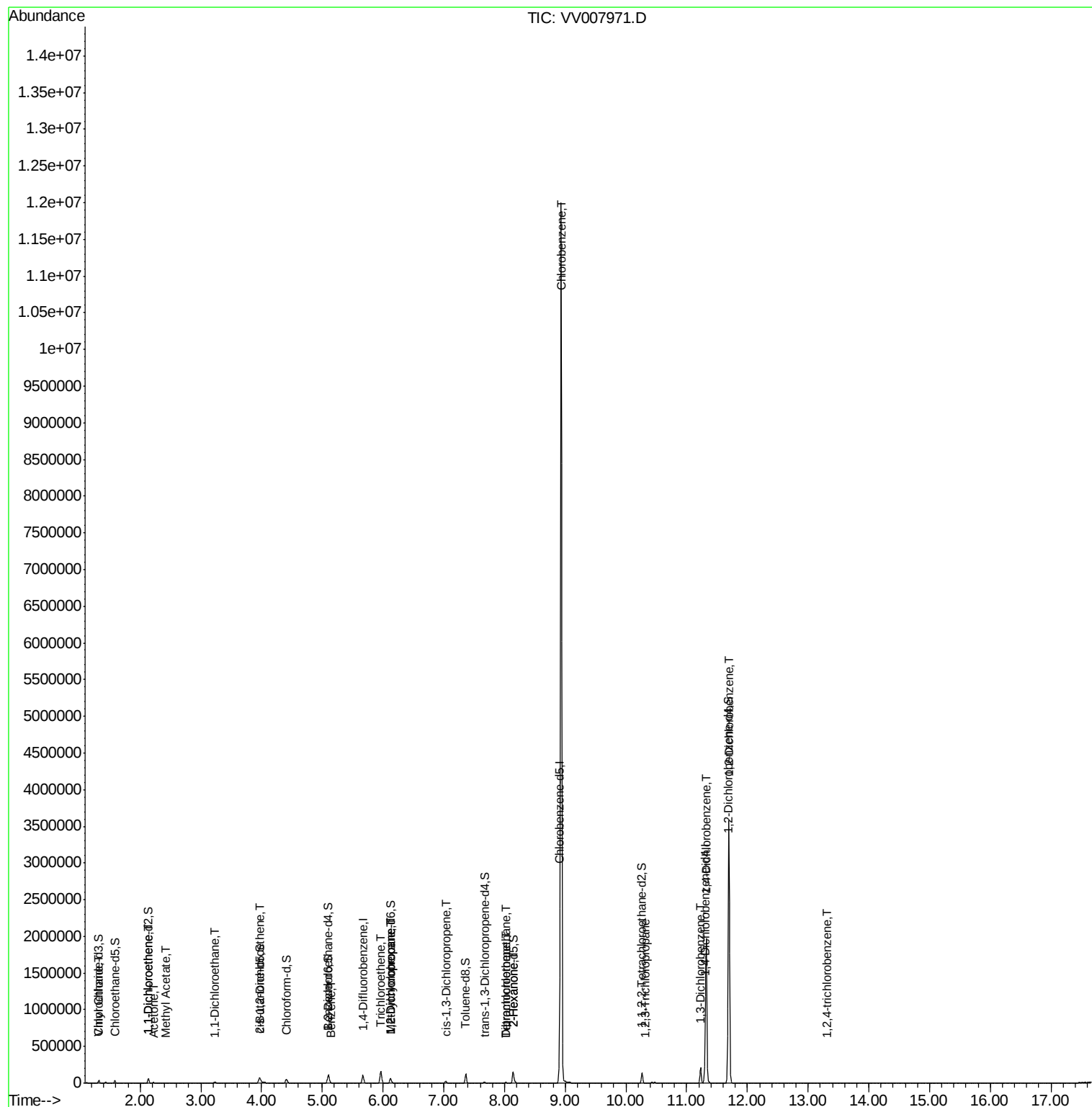
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.32	146	795938	48.227	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	1462033	97.705	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	1144	0.100	ug/L #	95

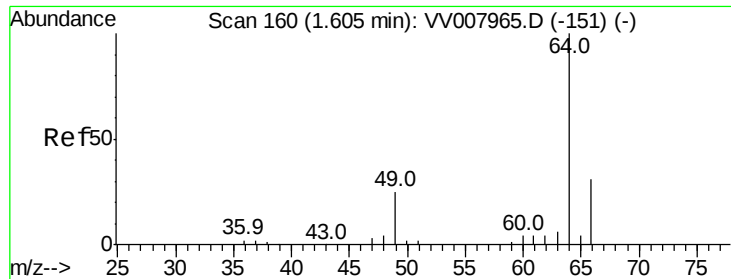
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092818\
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Acq On : 28 Sep 2018 23:34
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#8

Chloroethane

Concen: 0.081 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

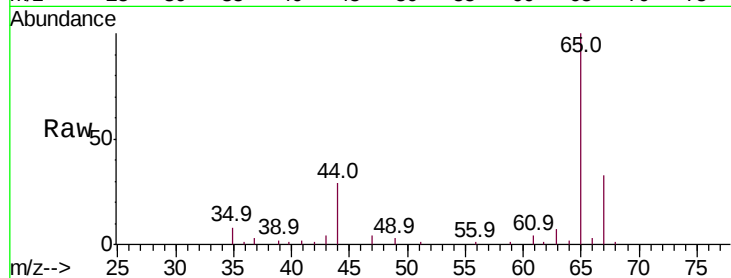
E62S6

Tot Ion: 64 Resp: 349

Ion Ratio Lower Upper

64 100

66 104.7 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

500

400

300

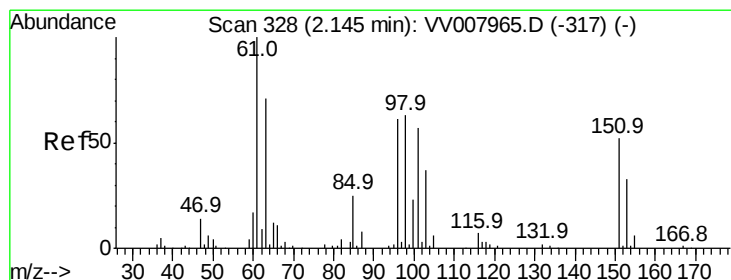
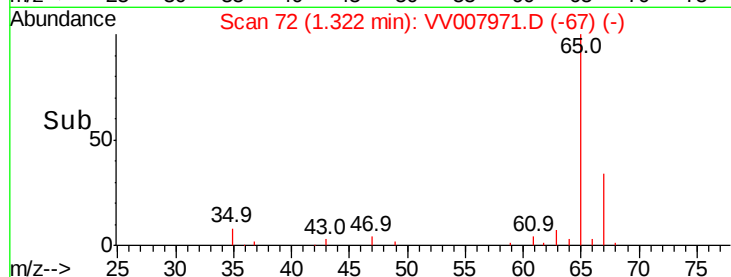
200

100

0

1.30 1.31 1.32 1.33 1.34

Time-->



#12

1,1-Dichloroethene

Concen: 0.130 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

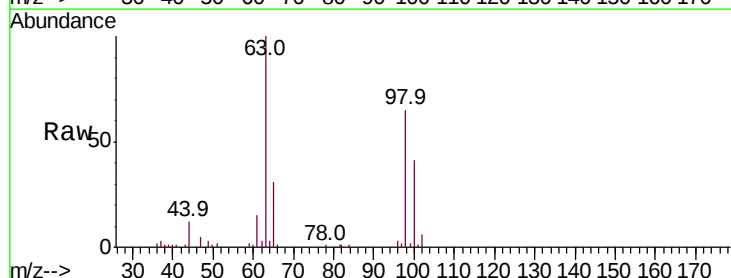
Tgt Ion: 96 Resp: 765

Ion Ratio Lower Upper

96 100

61 516.9 114.1 211.9#

63 3455.3 81.5 151.3#



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

30000

25000

20000

15000

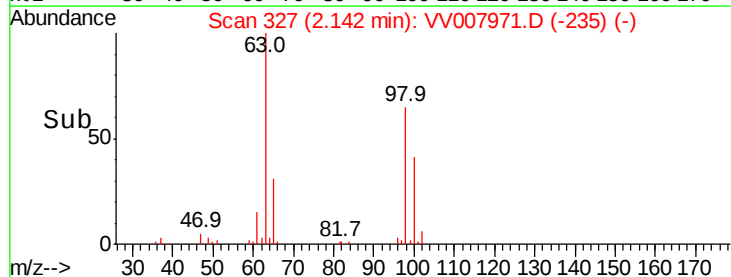
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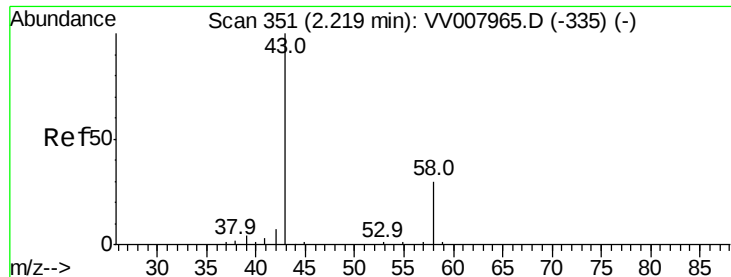
5000

0

2.10 2.12 2.14 2.16 2.18

Time-->





#13

Acetone

Concen: 6.676 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

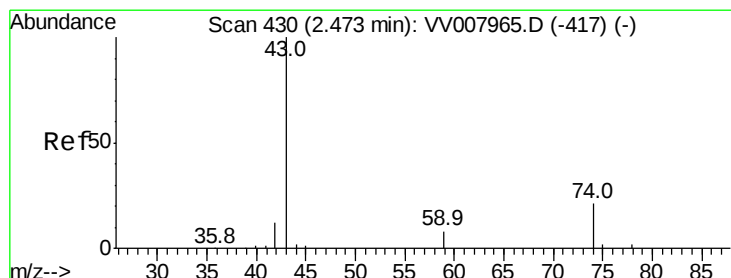
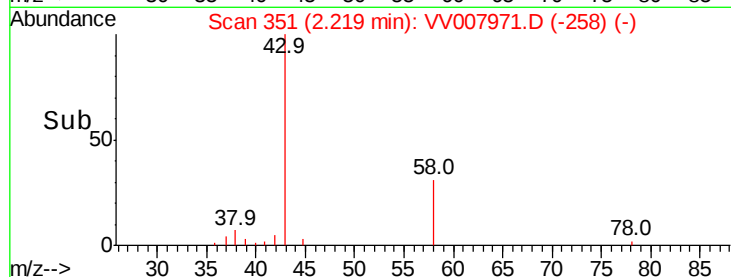
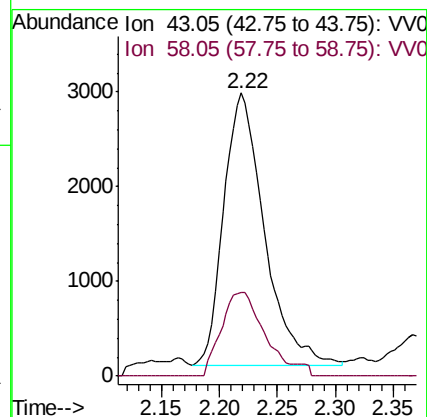
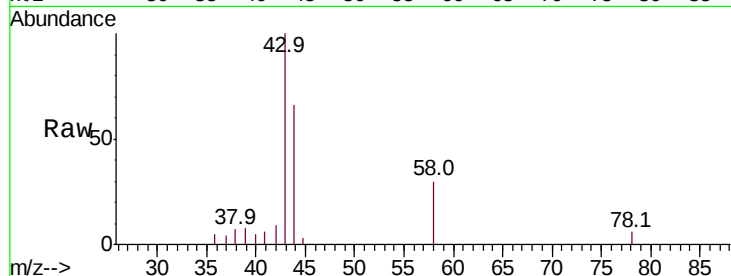
Instrument :
MSVOA_V
ClientSampleId :
E62S6

Tot Ion: 43 Resp: 6982

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.0



#15

Methyl Acetate

Concen: 0.160 ug/L

RT: 2.43 min Scan# 418

Delta R.T. -0.04 min

Lab File: VV007971.D

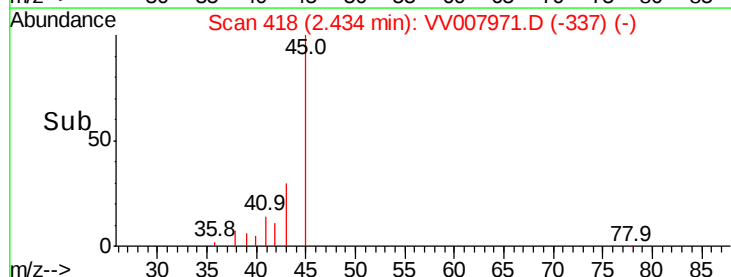
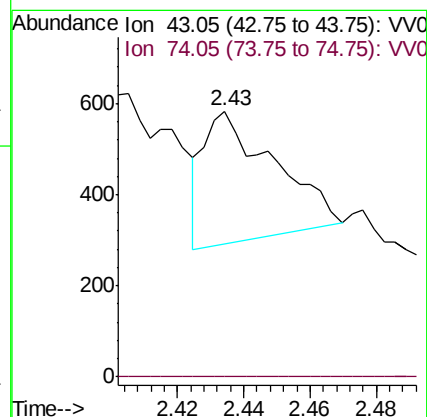
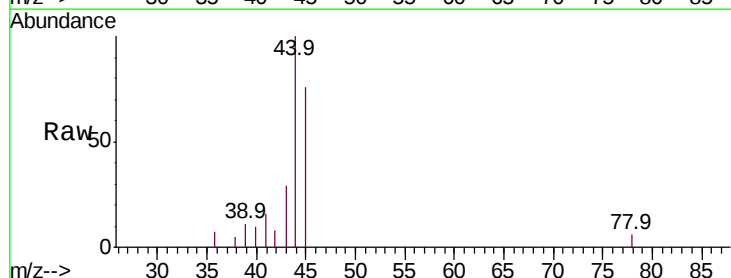
Acq: 28 Sep 2018 23:34

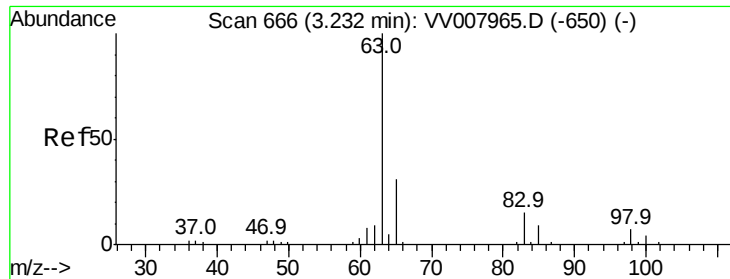
Tgt Ion: 43 Resp: 428

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#





#19

1,1-Dichloroethane

Concen: 1.151 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

E62S6

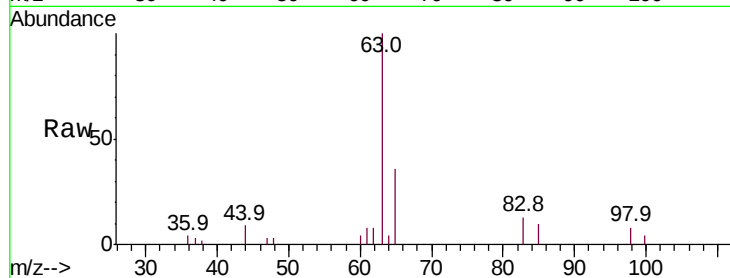
Tot Ion: 63 Resp: 12735

Ion Ratio Lower Upper

63 100

65 36.3 22.3 41.5

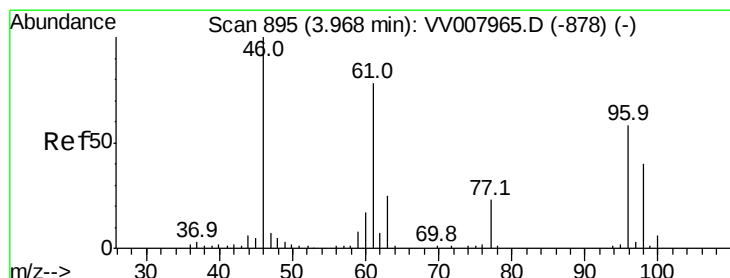
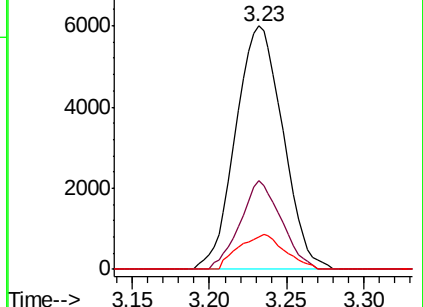
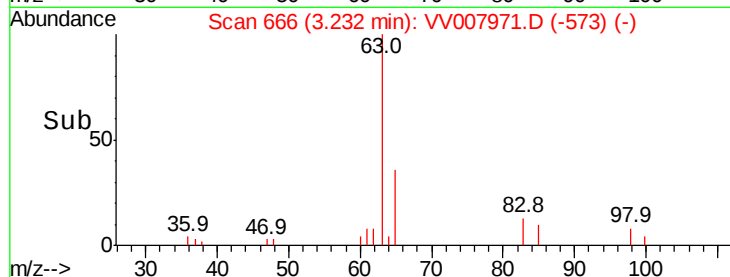
83 13.4 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV007971.D (-573) (-)

Ion 65.10 (64.80 to 65.80): VV007971.D (-573) (-)

Ion 83.05 (82.75 to 83.75): VV007971.D (-573) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.769 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

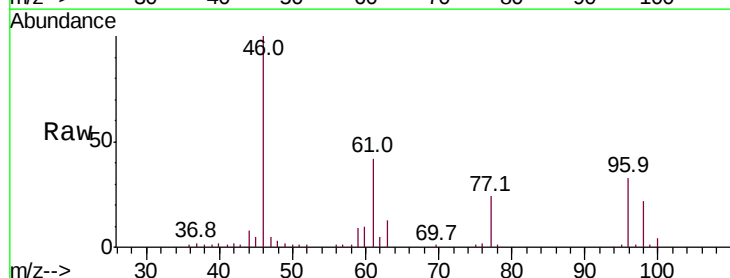
Tgt Ion: 96 Resp: 18183

Ion Ratio Lower Upper

96 100

61 128.0 89.5 166.1

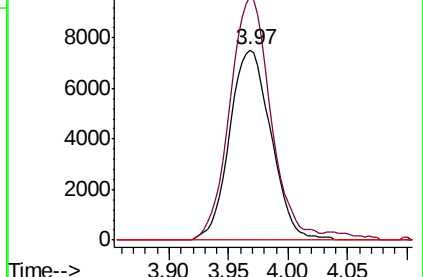
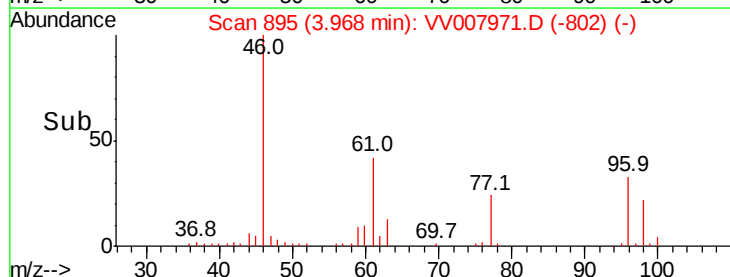
68 0.0 0.0 0.0

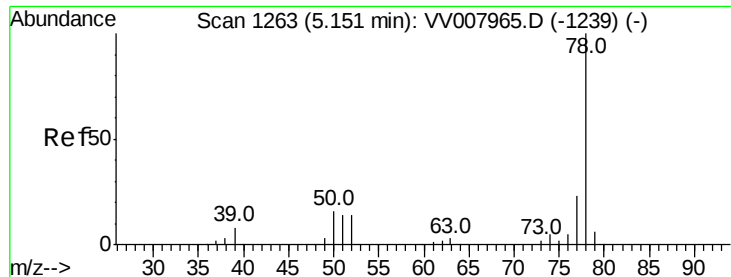


Abundance Ion 96.00 (95.70 to 96.70): VV007971.D (-802) (-)

Ion 61.05 (60.75 to 61.75): VV007971.D (-802) (-)

Ion 68.15 (67.85 to 68.85): VV007971.D (-802) (-)

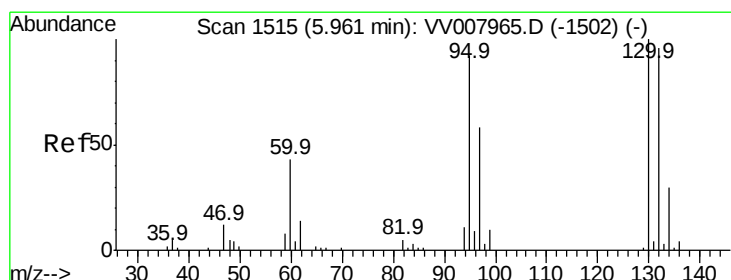
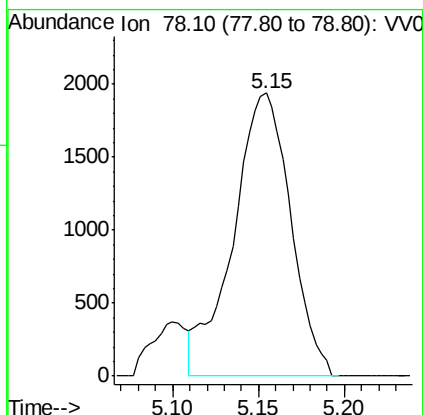
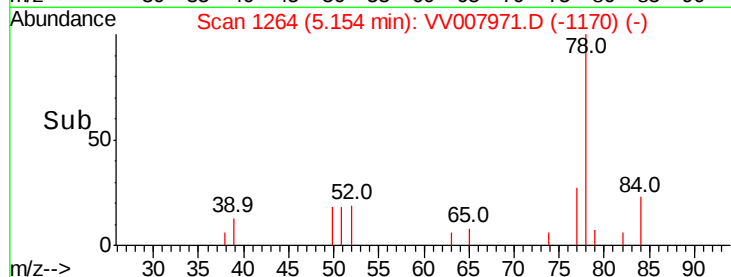
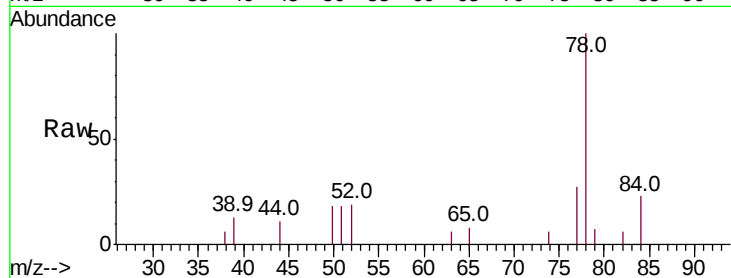




#33
Benzene
Concen: 0.177 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV007971.D
Acq: 28 Sep 2018 23:34

Instrument :
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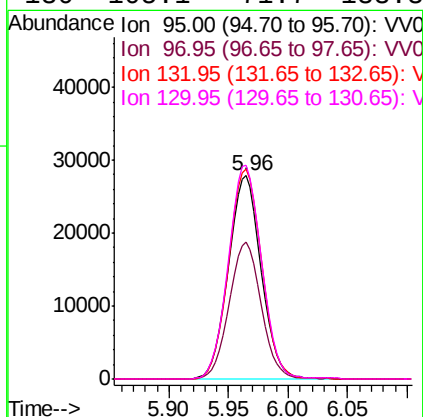
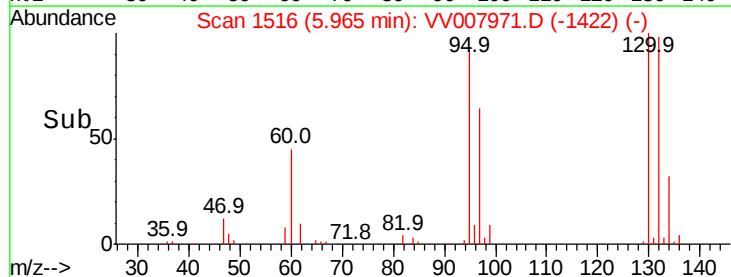
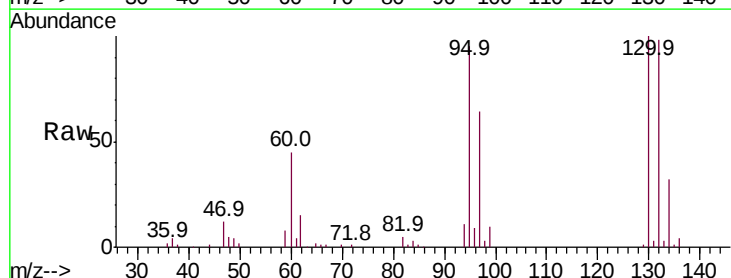
Tgt Ion: 78 Resp: 4496

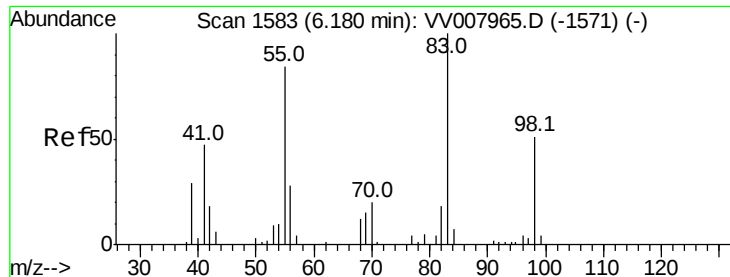


#34
Trichloroethene
Concen: 7.341 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VV007971.D
Acq: 28 Sep 2018 23:34

Tgt Ion: 95 Resp: 53271

Ion	Ratio	Lower	Upper
95	100		
97	67.1	43.6	81.0
132	103.1	69.9	129.9
130	105.1	71.7	133.3

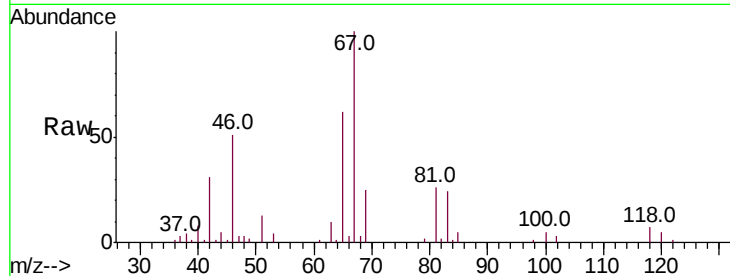




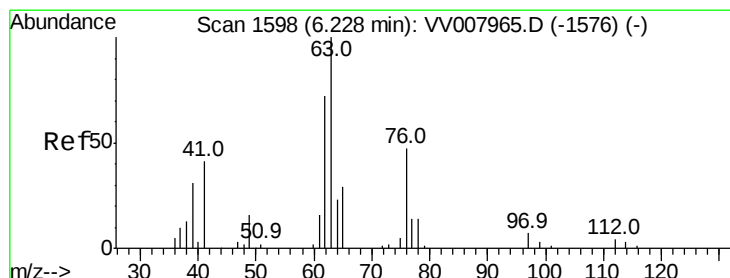
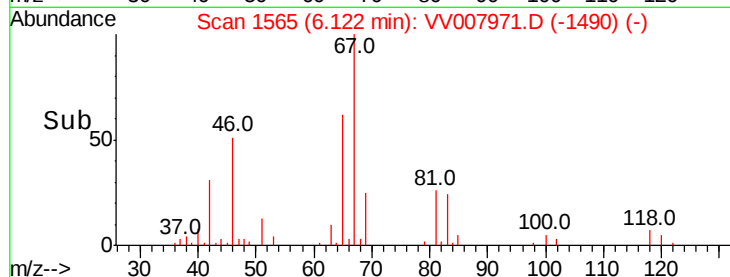
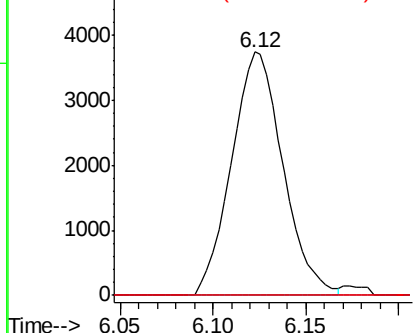
#35
Methvlcvclohexane
Concen: 0.663 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.06 min
Lab File: VV007971.D
Acq: 28 Sep 2018 23:34

Instrument :
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ClientSampleId :
E62S6

Tot Ion: 83 Resp: 7214
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 4.6 38.0 57.0#

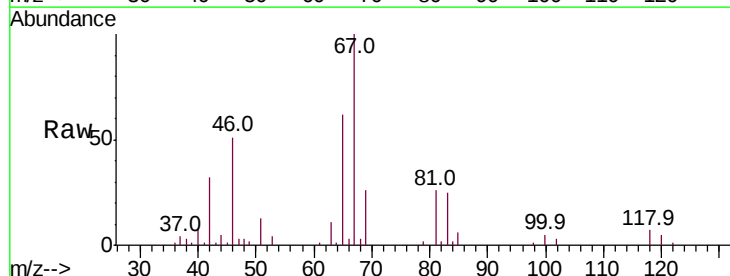


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

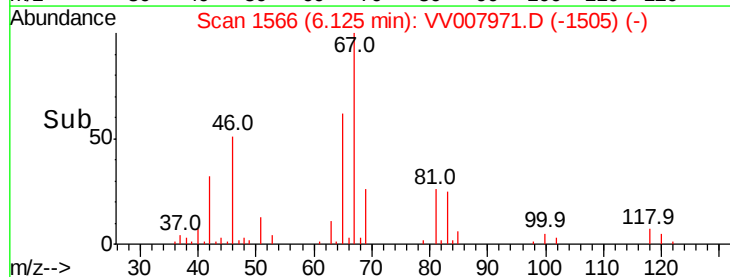
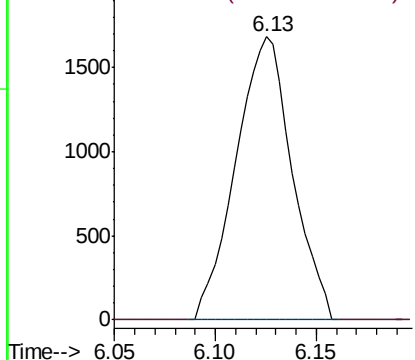


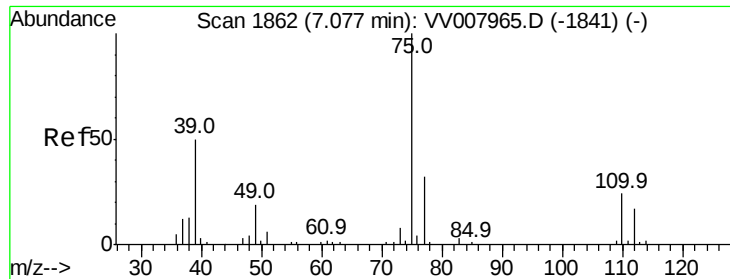
#37
1,2-Dichloropropane
Concen: 0.507 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV007971.D
Acq: 28 Sep 2018 23:34

Tgt Ion: 63 Resp: 3283
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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





#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

Instrument :

MSVOA_V

ClientSampled :

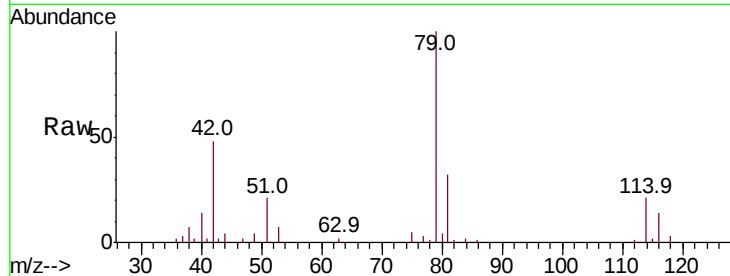
E62S6

Tot Ion: 75 Resp: 790

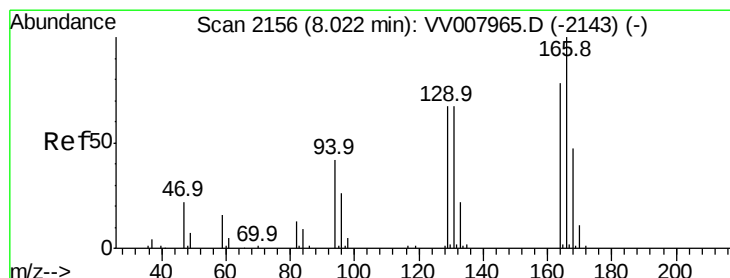
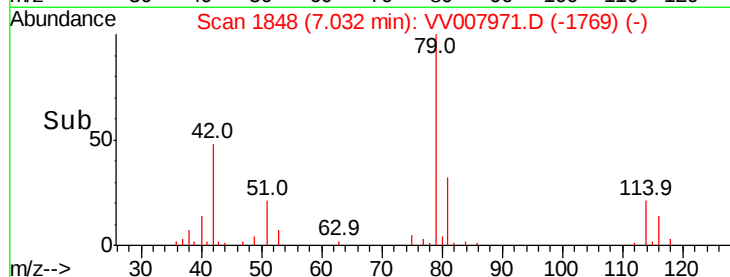
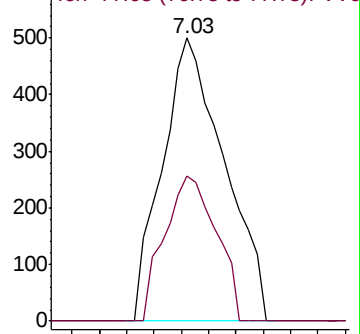
Ion Ratio Lower Upper

75 100

77 51.4 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007965.D (-1841) (-)



#47

Tetrachloroethene

Concen: 0.464 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

Tgt Ion:164 Resp: 3119

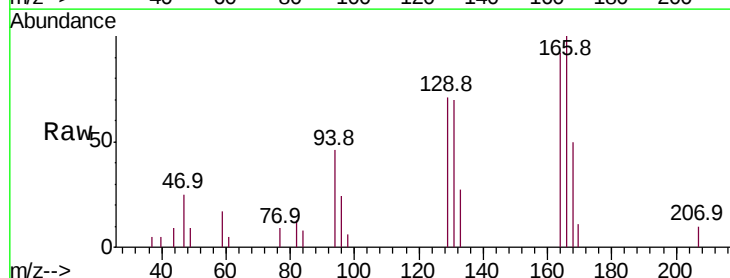
Ion Ratio Lower Upper

164 100

129 77.4 59.2 110.0

131 75.5 57.1 106.1

166 108.3 88.6 164.6

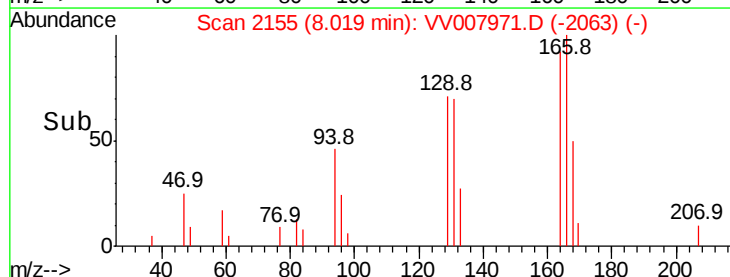
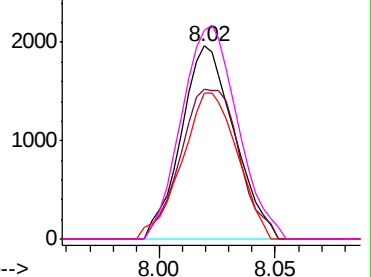


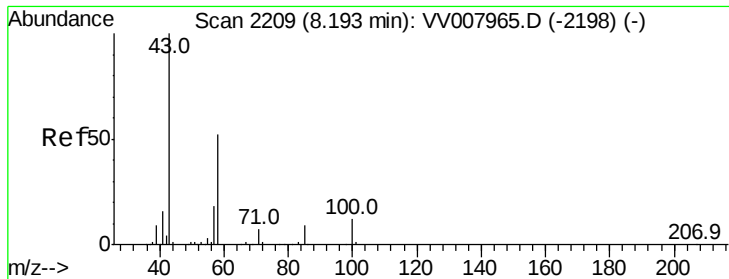
Abundance Ion 163.90 (163.60 to 164.60): VV007965.D (-2143) (-)

Ion 128.95 (128.65 to 129.65): VV007965.D (-2143) (-)

Ion 130.95 (130.65 to 131.65): VV007965.D (-2143) (-)

Ion 165.90 (165.60 to 166.60): VV007965.D (-2143) (-)





#48

2-Hexanone

Concen: 2.616 ug/L

RT: 8.14 min Scan# 2194

Delta R.T. -0.05 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

E62S6

Tot Ion: 43 Resp: 7394

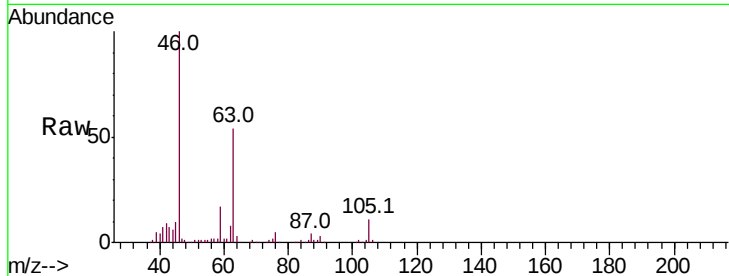
Ion Ratio Lower Upper

43 100

58 31.1 41.9 62.9#

57 30.1 14.3 21.5#

100 0.3 9.2 13.8#



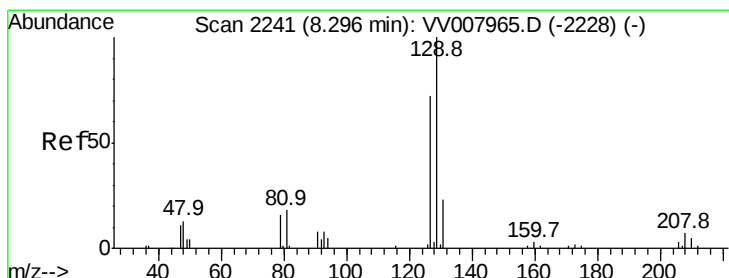
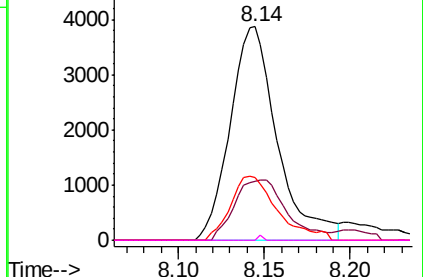
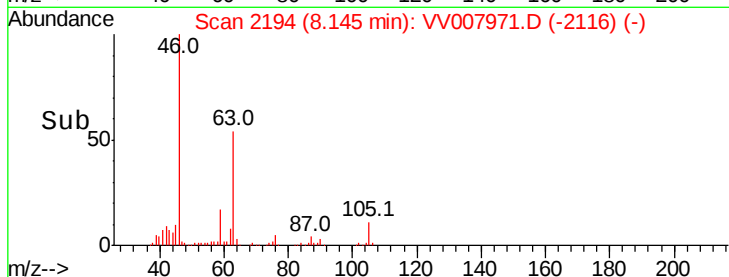
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

Time-->



#49

Dibromochloromethane

Concen: 0.473 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.28 min

Lab File: VV007971.D

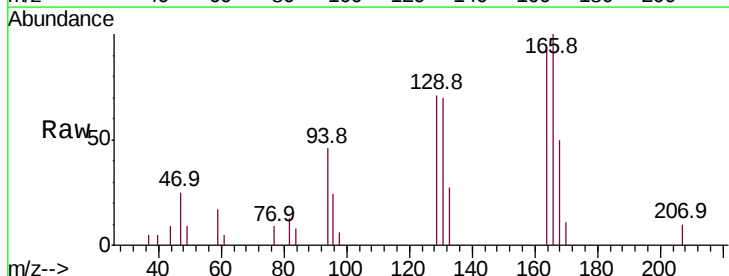
Acq: 28 Sep 2018 23:34

Tgt Ion: 129 Resp: 2523

Ion Ratio Lower Upper

129 100

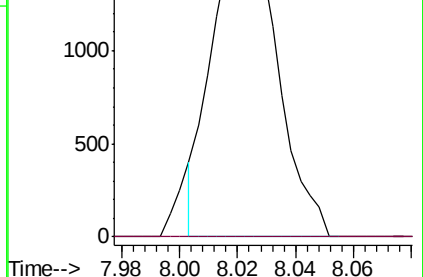
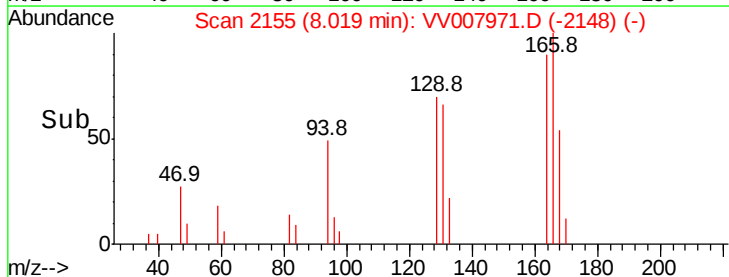
127 0.0 53.1 98.5#

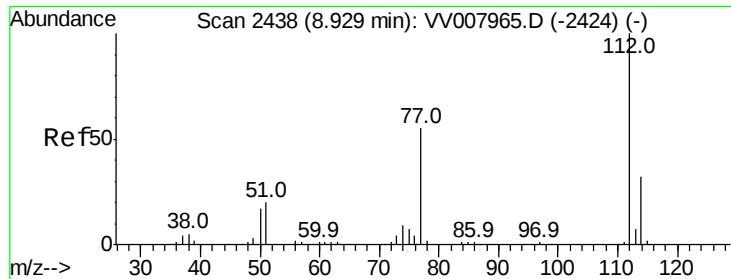


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->

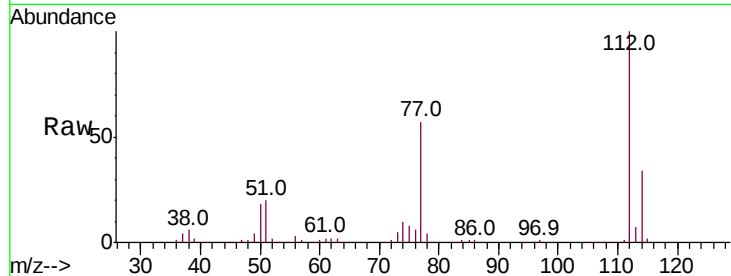




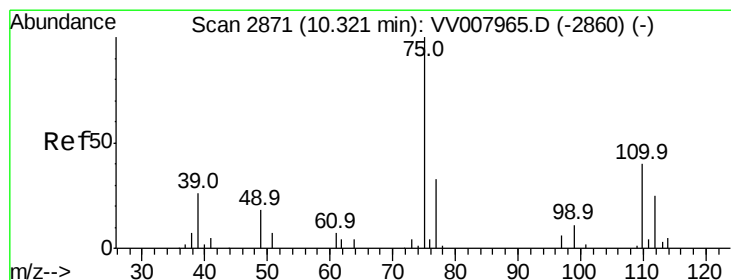
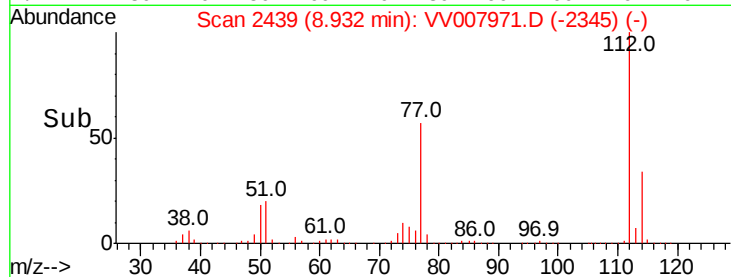
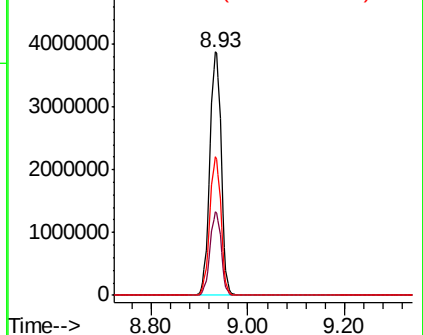
#51
Chlorobenzene
Concen: 329.754 ug/L
RT: 8.93 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VV007971.D
Acq: 28 Sep 2018 23:34

Instrument :
MSVOA_V
ClientSampled :
E62S6

Tot Ion:112 Resp: 6286021
Ion Ratio Lower Upper
112 100
114 34.1 22.4 41.6
77 56.8 45.0 67.6

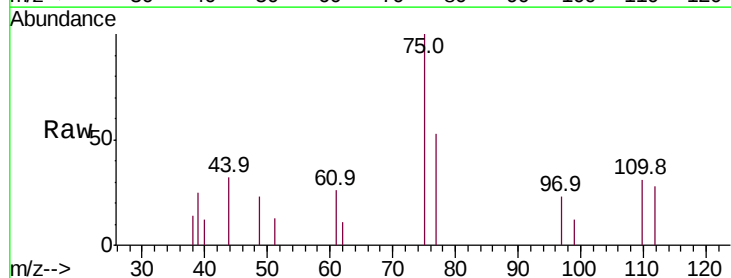


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

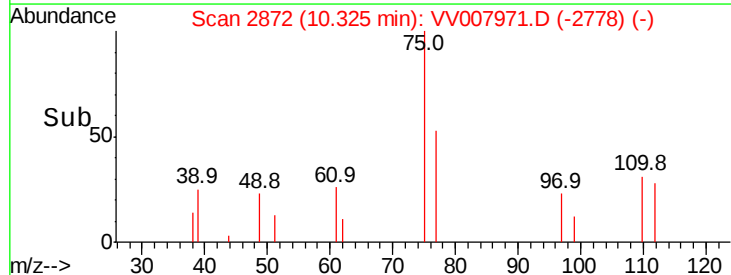
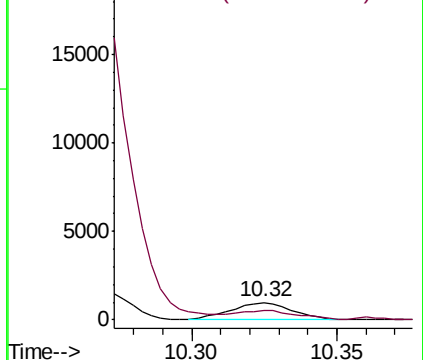


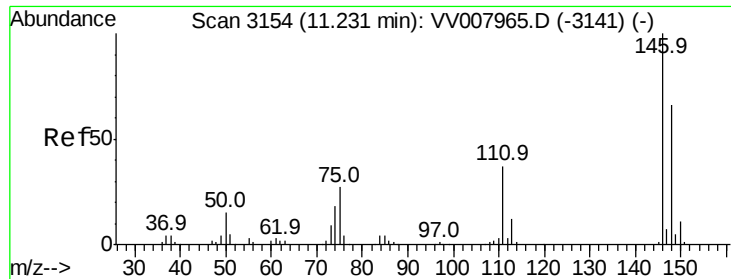
#59
1,2,3-Trichloropropane
Concen: 0.355 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VV007971.D
Acq: 28 Sep 2018 23:34

Tgt Ion: 75 Resp: 1430
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 5.518 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

E62S6

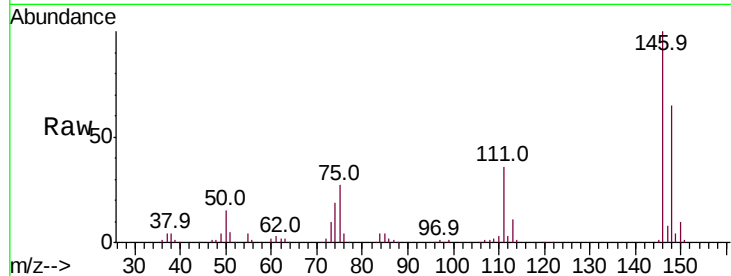
Tot Ion:146 Resp: 87591

Ion Ratio Lower Upper

146 100

111 36.3 25.8 48.0

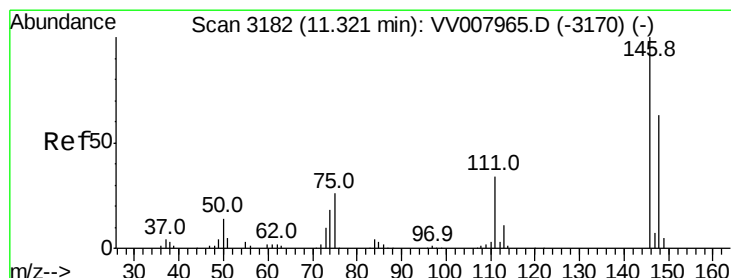
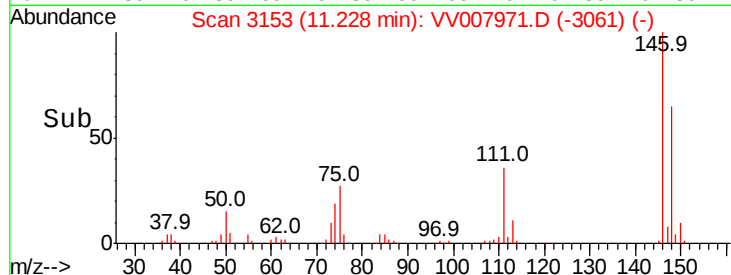
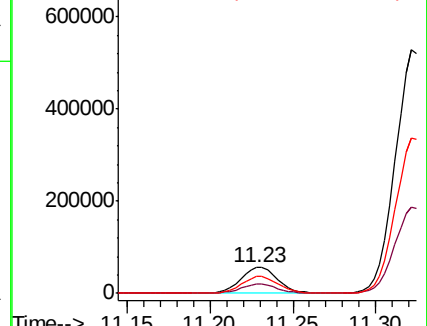
148 64.7 44.7 82.9



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: 48.227 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

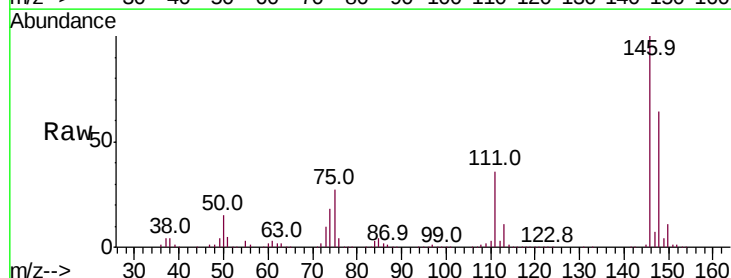
Tgt Ion:146 Resp: 795938

Ion Ratio Lower Upper

146 100

111 35.6 25.3 47.1

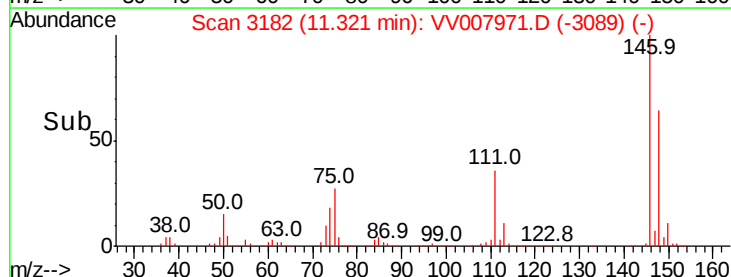
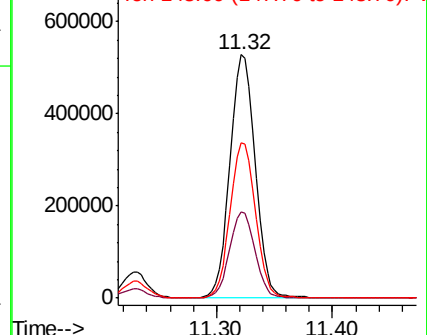
148 63.8 44.7 82.9

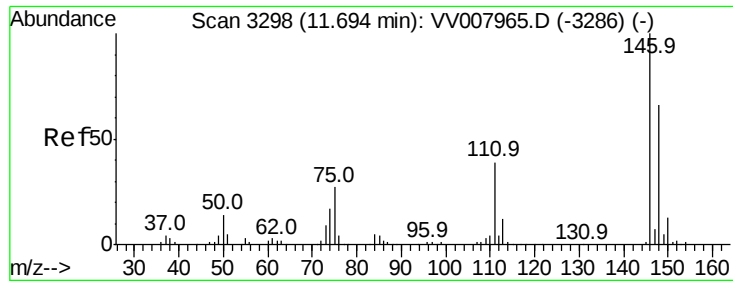


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 97.705 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

Instrument :

MSVOA_V

ClientSampleId :

E62S6

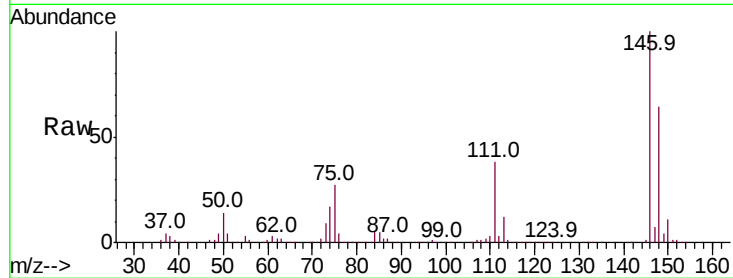
Tot Ion:146 Resp: 1462033

Ion Ratio Lower Upper

146 100

111 38.2 31.2 46.8

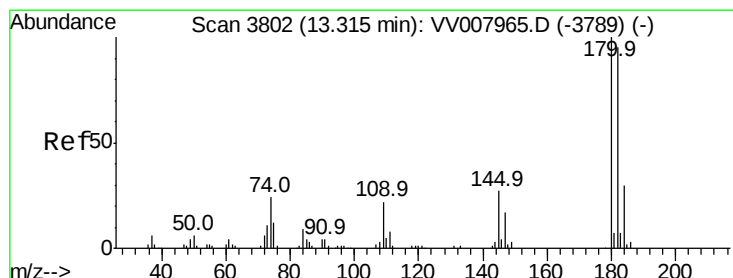
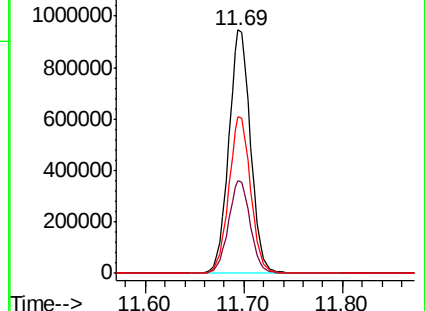
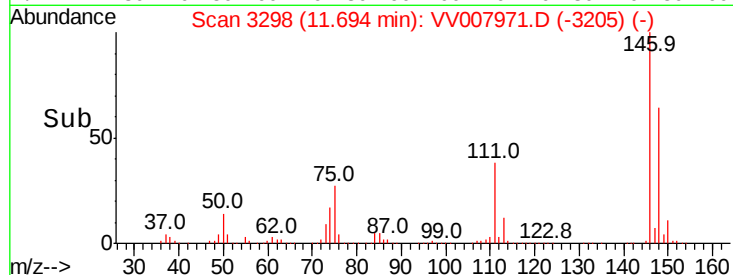
148 64.3 50.3 75.5



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



#68

1,2,4-trichlorobenzene

Concen: 0.100 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. -0.00 min

Lab File: VV007971.D

Acq: 28 Sep 2018 23:34

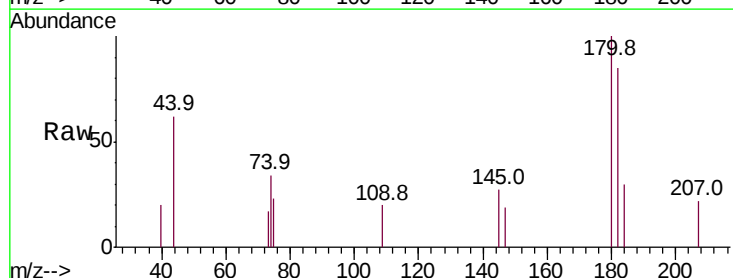
Tgt Ion:180 Resp: 1144

Ion Ratio Lower Upper

180 100

182 99.0 77.4 116.2

145 21.4 22.6 33.8#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

