

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007299.D
 Acq On : 31 Aug 2018 14:33
 Operator : SY/MD
 Sample : J4665-12
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA6

Quant Time: Sep 01 00:02:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:57:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	611254	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	586778	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	228566	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	170488	46.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.30%
7) Chloroethane-d5	1.58	69	120862	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.92%
11) 1,1-Dichloroethene-d2	2.13	63	237892	34.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.38%
21) 2-Butanone-d5	3.96	46	288559	96.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	4.41	84	356644	44.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.50%
26) 1,2-Dichloroethane-d4	5.09	65	223490	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
32) Benzene-d6	5.11	84	730770	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.68%
36) 1,2-Dichloropropane-d6	6.12	67	247660	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.74%
41) Toluene-d8	7.37	98	615069	43.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.24%
43) trans-1,3-Dichloropropene-	7.67	79	103751	44.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.98%
47) 2-Hexanone-d5	8.15	63	179155	91.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.97%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	326985	45.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.82%
64) 1,2-Dichlorobenzene-d4	11.68	152	243730	53.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.16%

Target Compounds

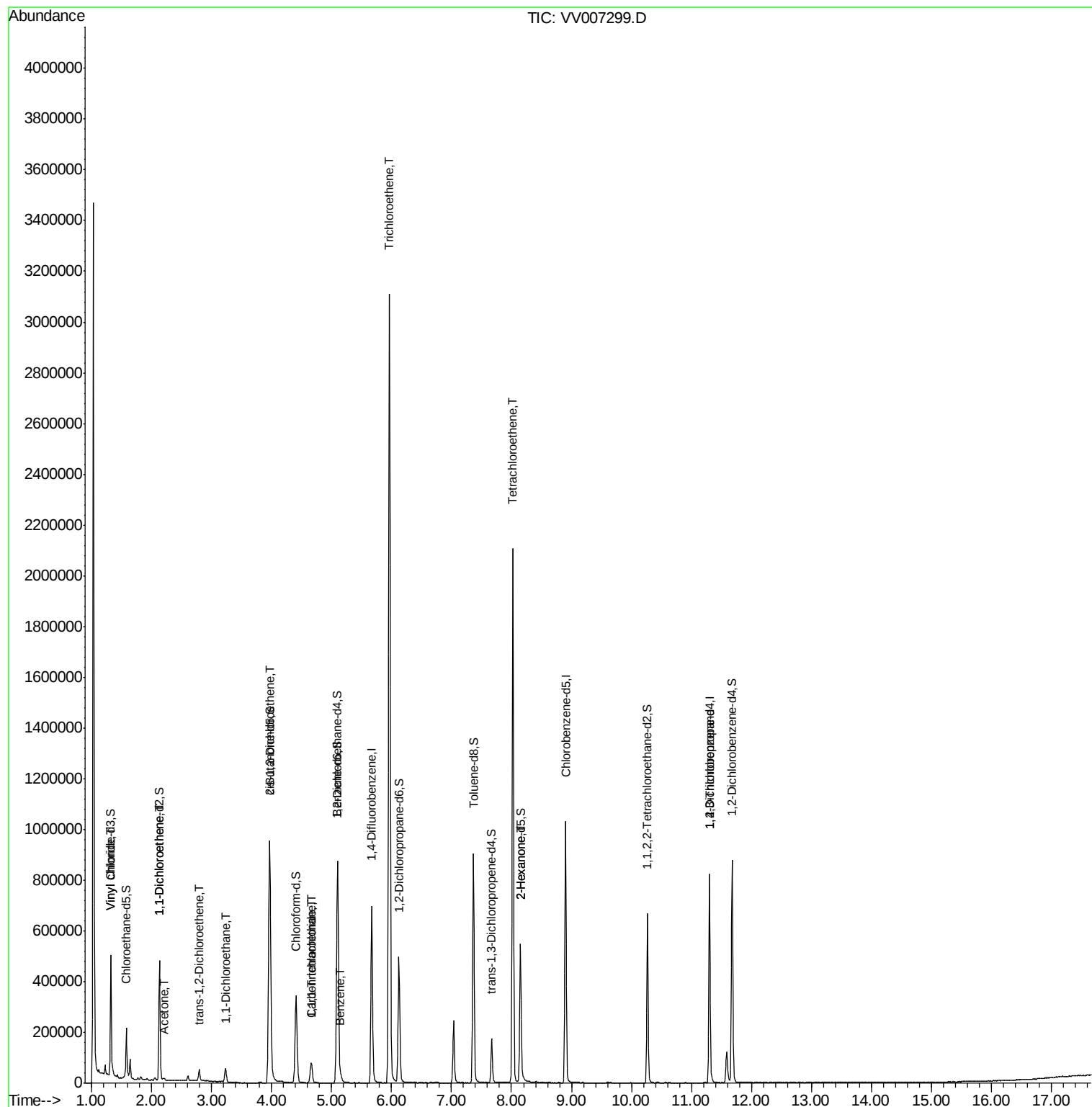
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.32	62	76136	15.368	ug/L	97
12) 1,1-Dichloroethene	2.14	96	6853	1.863	ug/L #	1
13) Acetone	2.21	43	4324	1.679	ug/L	94
17) trans-1,2-Dichloroethene	2.80	96	17480	4.375	ug/L	89
19) 1,1-Dichloroethane	3.23	63	58252	7.210	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	469730	102.127	ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	64796	9.702	ug/L	99
31) Carbon tetrachloride	4.67	117	8900	1.544	ug/L	97
33) Benzene	5.15	78	23789	1.338	ug/L	100
34) Trichloroethene	5.96	95	1103142	256.174	ug/L	99
46) Tetrachloroethene	8.02	164	496636	137.572	ug/L	99
48) 2-Hexanone	8.15	43	23642	5.338	ug/L #	78
59) 1,2,3-Trichloropropane	11.30	75	25083	4.405	ug/L	92

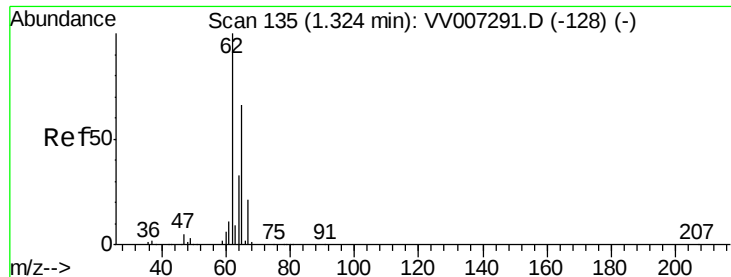
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 31 23:57:34 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 15.368 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

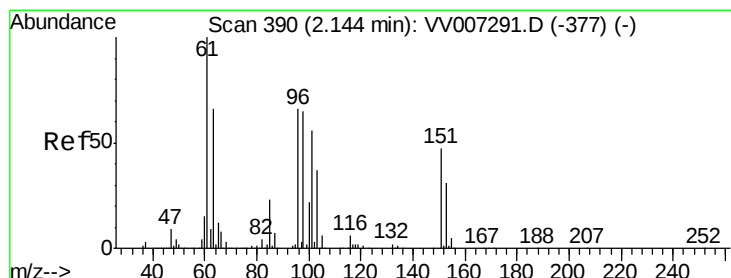
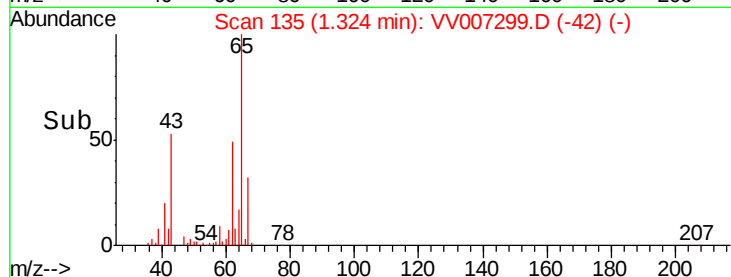
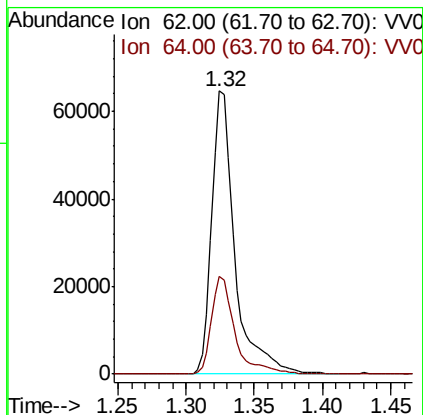
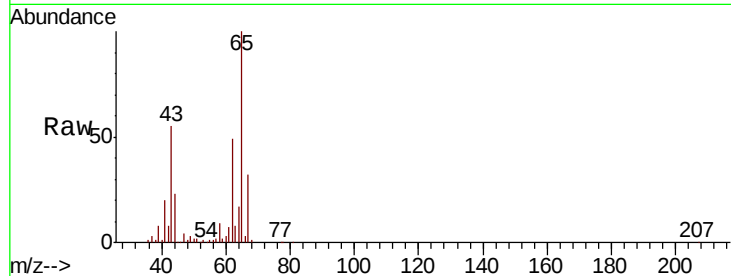
E0AA6

Tgt Ion: 62 Resp: 76136

Ion Ratio Lower Upper

62 100

64 34.7 23.2 43.0



#12

1,1-Dichloroethene

Concen: 1.863 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

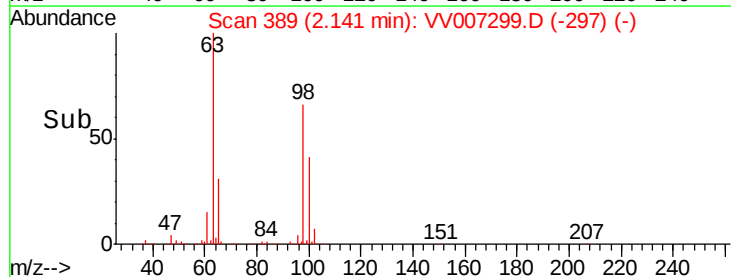
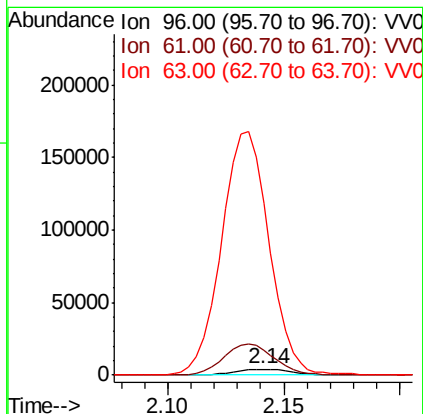
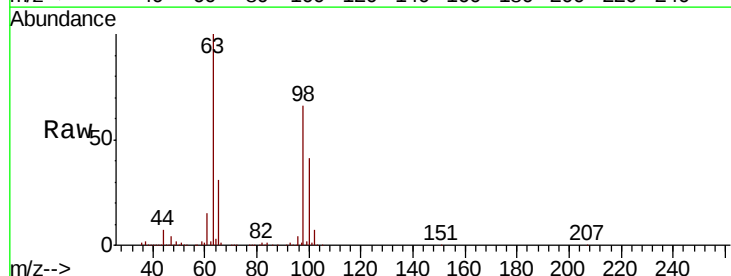
Tgt Ion: 96 Resp: 6853

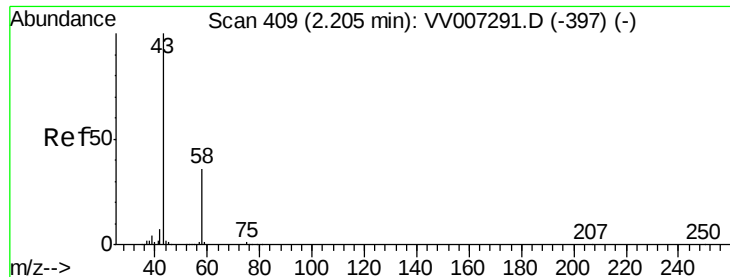
Ion Ratio Lower Upper

96 100

61 419.8 106.3 197.5#

63 2850.6 71.0 131.8#





#13

Acetone

Concen: 1.679 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.01 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

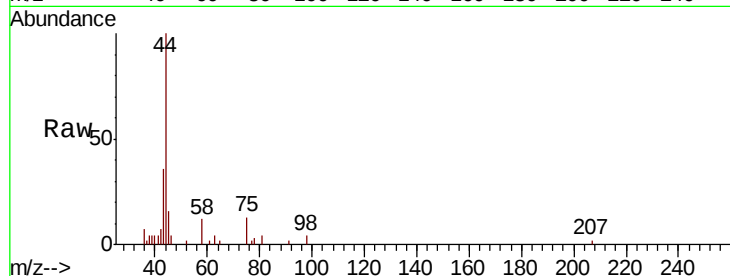
E0AA6

Tgt Ion: 43 Resp: 4324

Ion Ratio Lower Upper

43 100

58 39.7 0.0 72.2



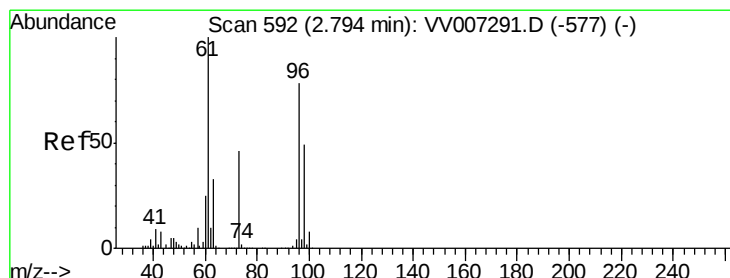
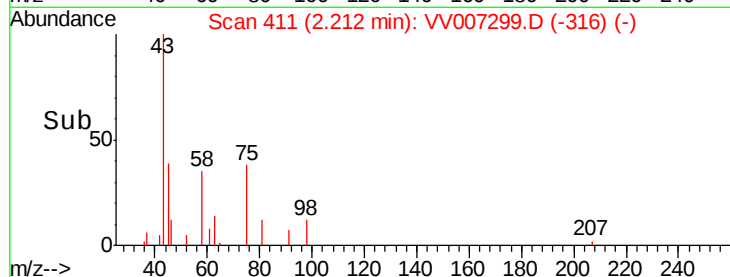
Abundance Ion 43.00 (42.70 to 43.70): VV007291.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VV007291.D (-397) (-)

2.21

2.25

Time-->



#17

trans-1,2-Dichloroethene

Concen: 4.375 ug/L

RT: 2.80 min Scan# 593

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

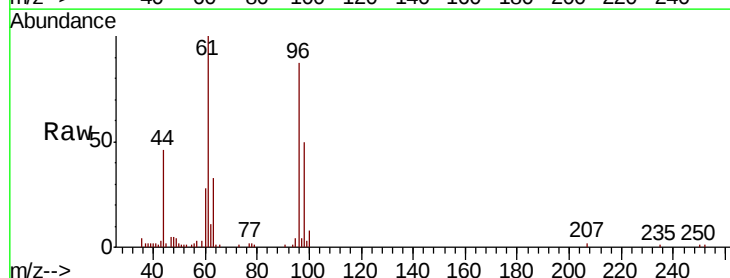
Tgt Ion: 96 Resp: 17480

Ion Ratio Lower Upper

96 100

61 114.4 90.4 167.8

98 57.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-577) (-)

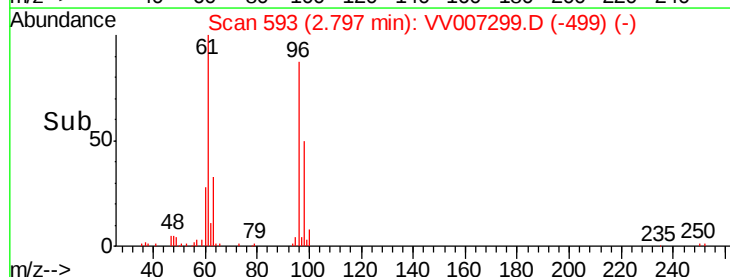
Ion 61.00 (60.70 to 61.70): VV007291.D (-577) (-)

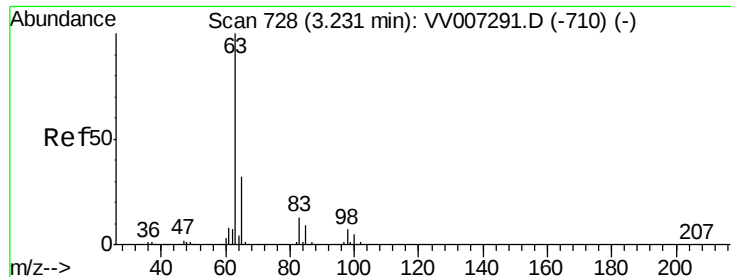
Ion 98.00 (97.70 to 98.70): VV007291.D (-577) (-)

2.80

2.85

Time-->





#19

1,1-Dichloroethane

Concen: 7.210 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

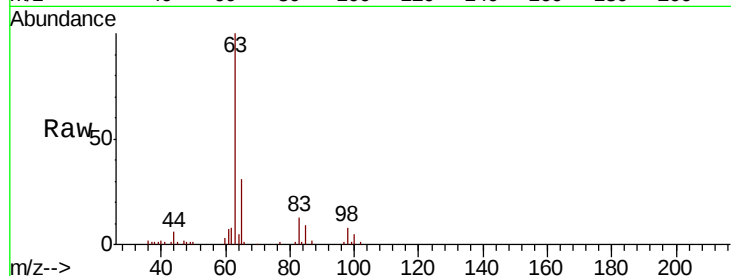
Tgt Ion: 63 Resp: 58252

Ion Ratio Lower Upper

63 100

65 31.0 22.0 41.0

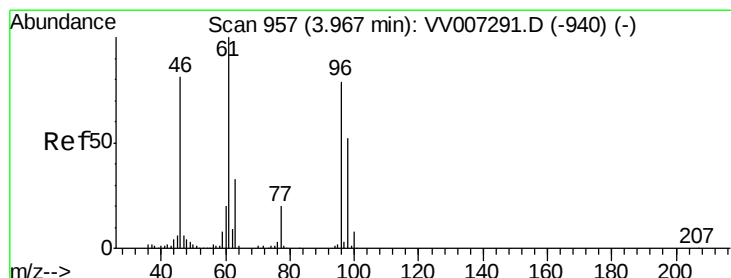
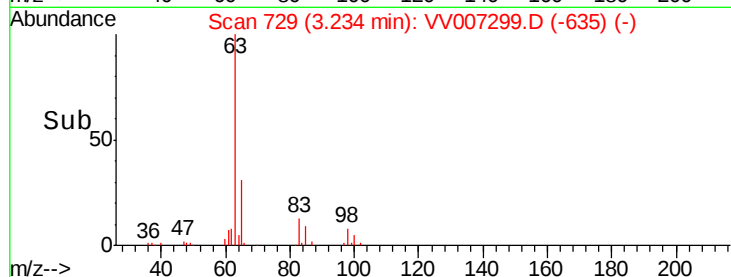
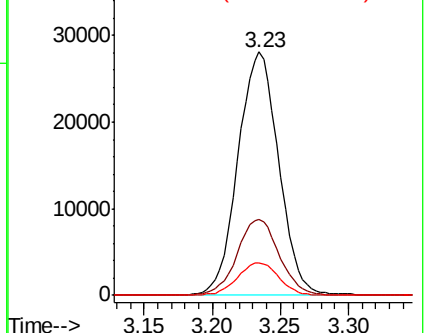
83 13.5 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VV007299.D (-635) (-)

Ion 65.00 (64.70 to 65.70): VV007299.D (-635) (-)

Ion 83.00 (82.70 to 83.70): VV007299.D (-635) (-)



#20

cis-1,2-Dichloroethene

Concen: 102.127 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

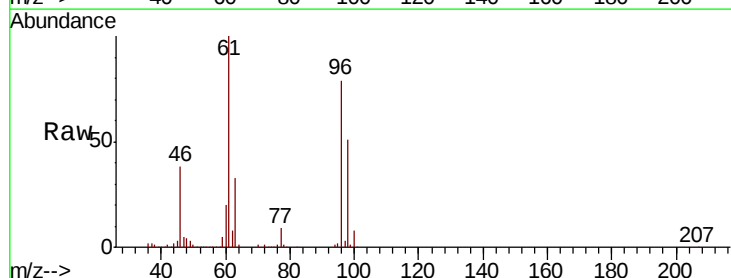
Tgt Ion: 96 Resp: 469730

Ion Ratio Lower Upper

96 100

61 126.1 88.4 164.2

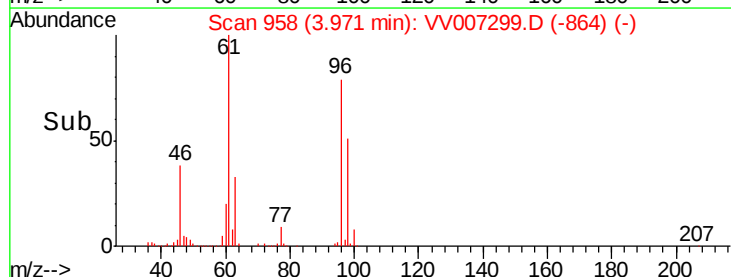
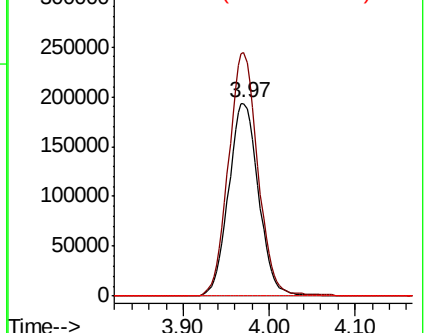
68 0.0 0.0 0.0

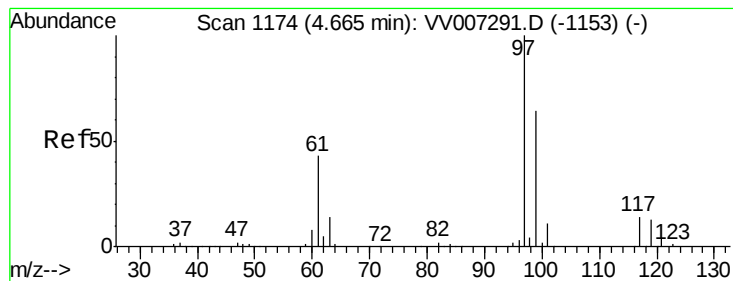


Abundance Ion 96.00 (95.70 to 96.70): VV007299.D (-864) (-)

Ion 61.00 (60.70 to 61.70): VV007299.D (-864) (-)

Ion 68.00 (67.70 to 68.70): VV007299.D (-864) (-)





#30

1,1,1-Trichloroethane

Concen: 9.702 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

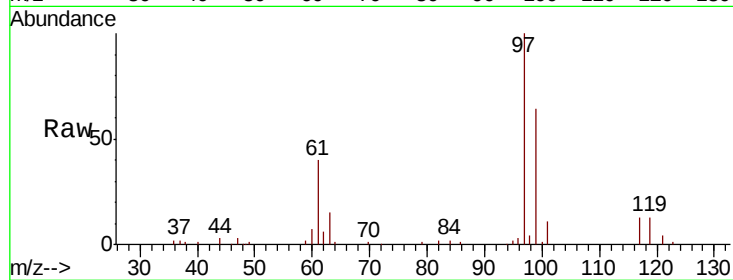
Tgt Ion: 97 Resp: 64796

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

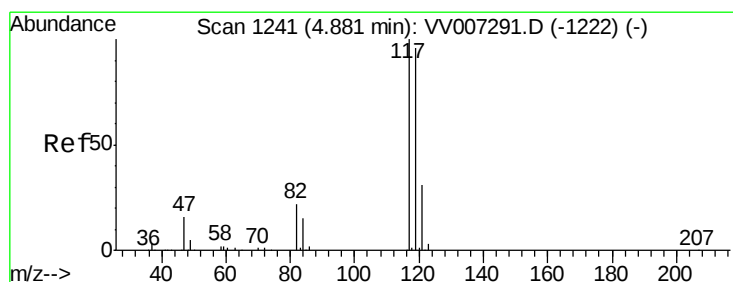
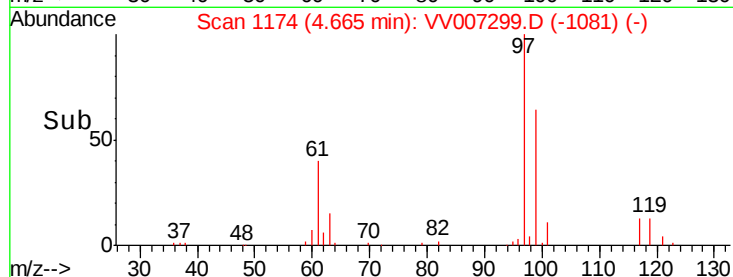
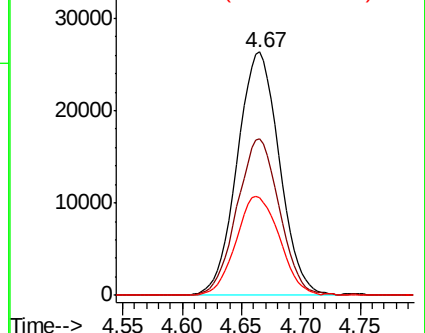
61 41.9 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV007299.D (-1153) (-)

Ion 99.00 (98.70 to 99.70): VV007299.D (-1153) (-)

Ion 61.05 (60.75 to 61.75): VV007299.D (-1153) (-)



#31

Carbon tetrachloride

Concen: 1.544 ug/L

RT: 4.67 min Scan# 1175

Delta R.T. -0.21 min

Lab File: VV007299.D

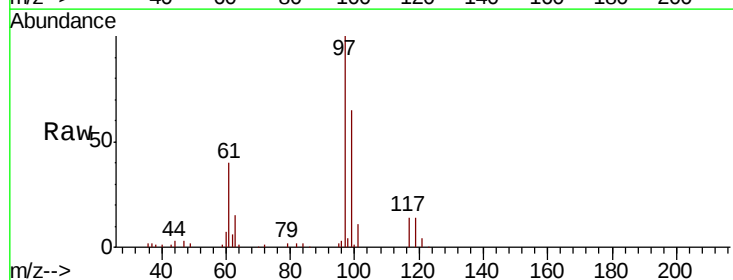
Acq: 31 Aug 2018 14:33

Tgt Ion: 117 Resp: 8900

Ion Ratio Lower Upper

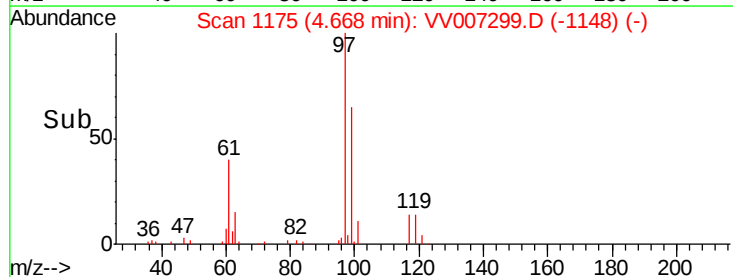
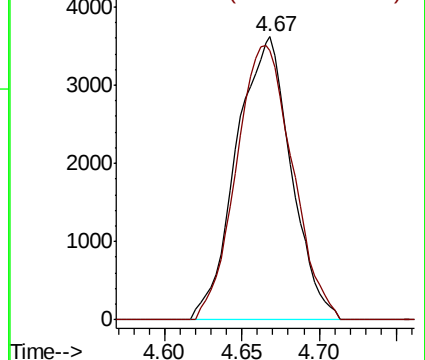
117 100

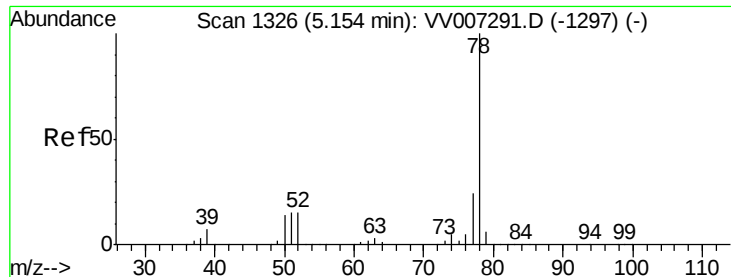
119 99.5 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): VV007299.D (-1148) (-)

Ion 119.00 (118.70 to 119.70): VV007299.D (-1148) (-)





#33

Benzene

Concen: 1.338 ug/L

RT: 5.15 min Scan# 1326

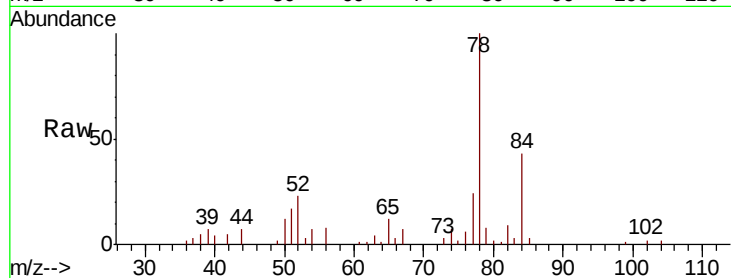
Delta R.T. 0.00 min

Lab File: VV007299.D

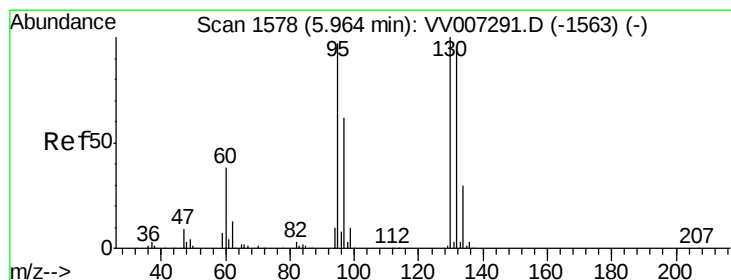
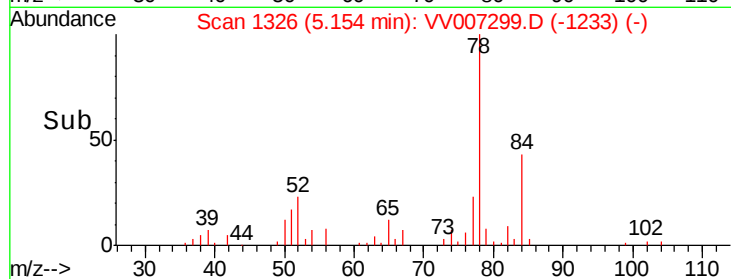
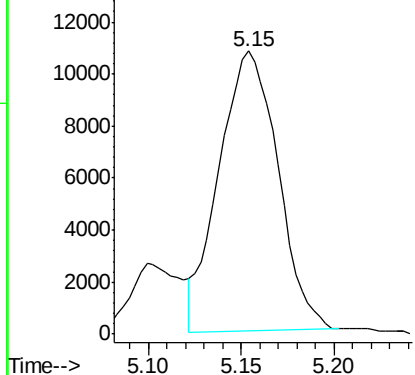
Acq: 31 Aug 2018 14:33

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Tgt Ion: 78 Resp: 23789



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 256.174 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Tgt Ion: 95 Resp: 1103142

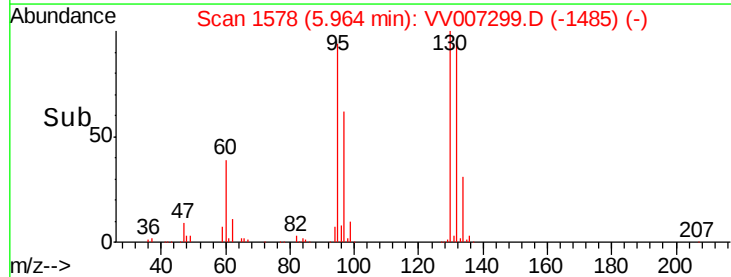
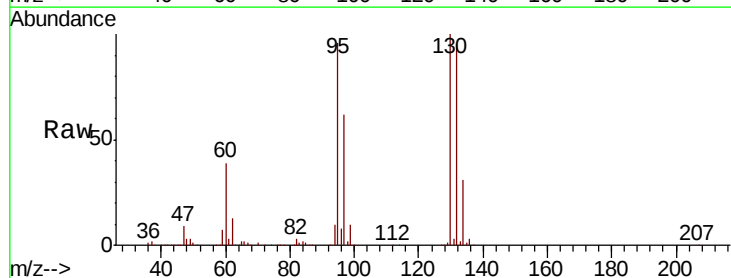
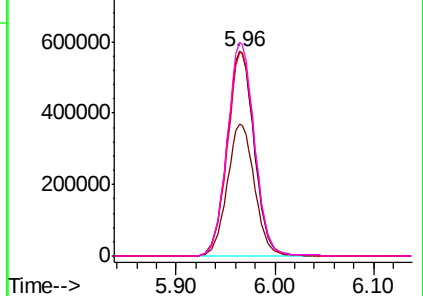
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.1	83.9
132	99.6	68.3	126.9
130	104.4	72.4	134.5

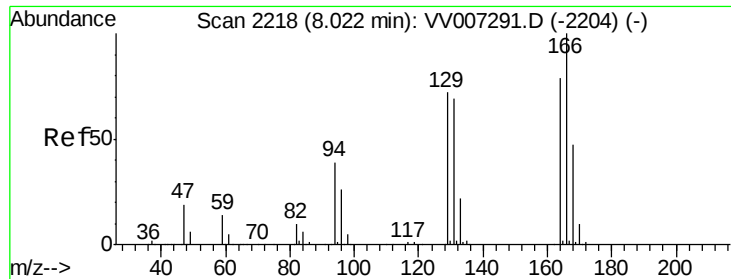
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

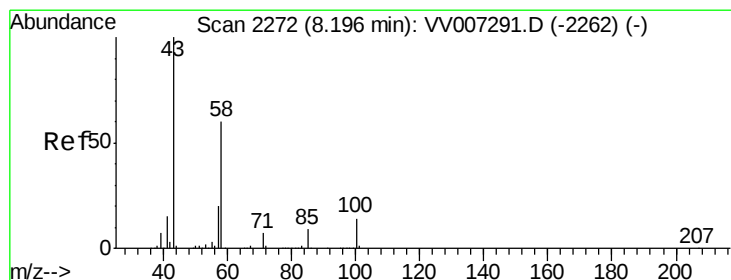
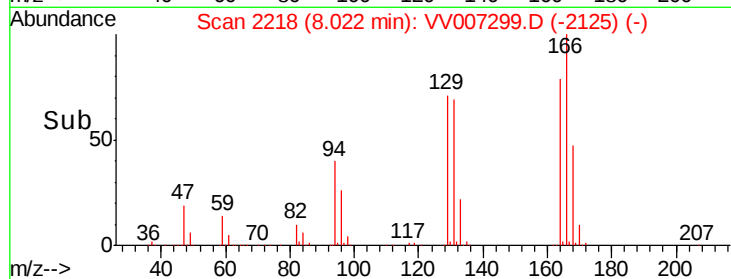
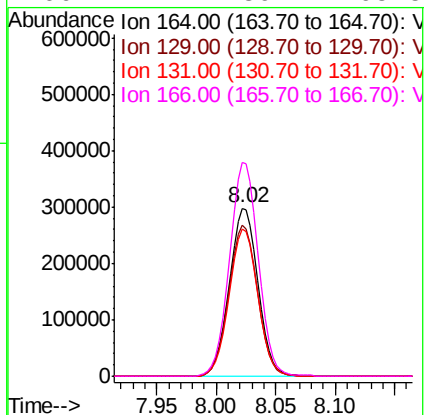
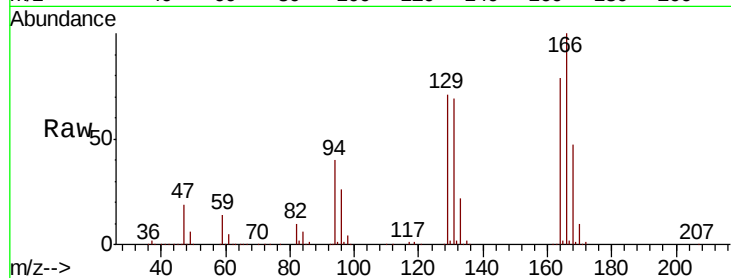




#46
Tetrachloroethene
Concen: 137.572 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VV007299.D
Acq: 31 Aug 2018 14:33

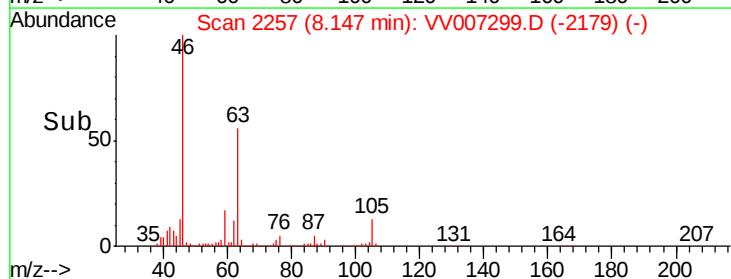
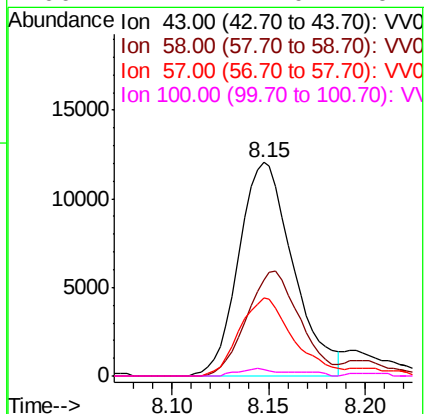
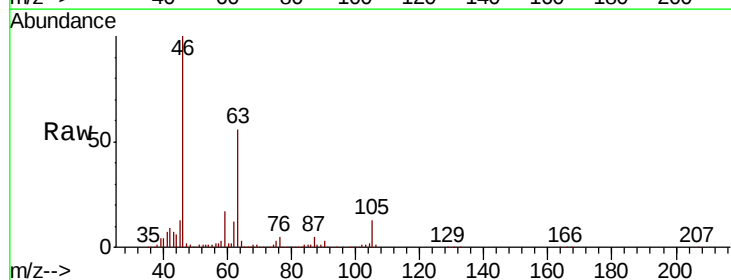
Instrument :
MSVOA_V
ClientSampleId :
E0AA6

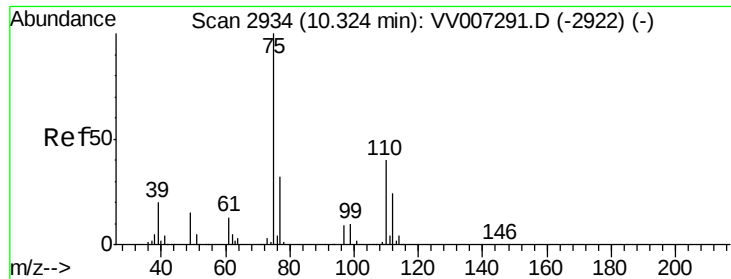
Tgt Ion:	164	Resp:	496636
Ion	Ratio	Lower	Upper
164	100		
129	89.7	64.5	119.7
131	87.4	61.2	113.8
166	127.1	89.1	165.5



#48
2-Hexanone
Concen: 5.338 ug/L
RT: 8.15 min Scan# 2257
Delta R.T. -0.05 min
Lab File: VV007299.D
Acq: 31 Aug 2018 14:33

Tgt Ion:	43	Resp:	23642
Ion	Ratio	Lower	Upper
43	100		
58	48.2	48.2	72.4#
57	36.0	15.9	23.9#
100	2.1	11.0	16.4#





#59

1,2,3-Trichloropropane

Concen: 4.405 ug/L

RT: 11.30 min Scan# 3237

Delta R.T. 0.97 min

Lab File: VV007299.D

Acq: 31 Aug 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

E0AA6

Tgt Ion: 75 Resp: 25083

Ion Ratio Lower Upper

75 100

77 37.0 25.9 38.9

