

Data File : VV012167.D
Acq On : 09 Aug 2019 22:49
Operator : SY/MD
Sample : K4248-04
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B07

Quant Time: Aug 10 05:10:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 05:07:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	267143	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	245904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111583	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51836	52.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.48%
7) Chloroethane-d5	1.58	69	33931	54.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.30%
11) 1,1-Dichloroethene-d2	2.13	63	70618	38.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.02%
21) 2-Butanone-d5	3.93	46	44246	91.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.05%
24) Chloroform-d	4.40	84	100790	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	5.08	65	64739	55.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.58%
32) Benzene-d6	5.10	84	208680	54.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.46%
36) 1,2-Dichloropropane-d6	6.12	67	56501	54.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.96%
41) Toluene-d8	7.36	98	191693	52.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.56%
43) trans-1,3-Dichloropropene-	7.66	79	27823	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.13	63	41040	103.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	72967	51.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	74201	56.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.52%

Target Compounds

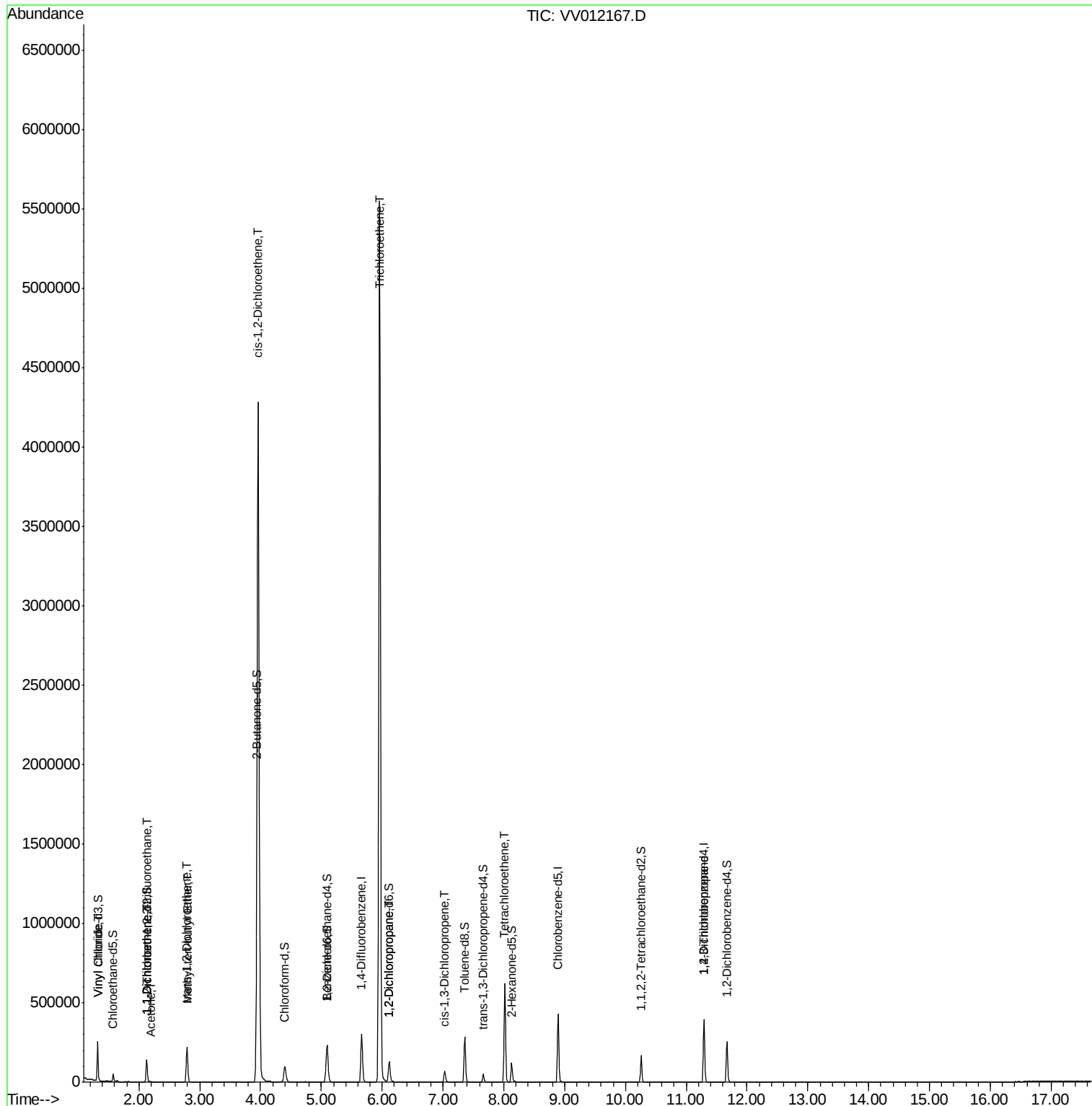
						Qvalue
5) Vinyl chloride	1.32	62	107437	72.741	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	733	0.622	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	2075	1.914	ug/L #	1
13) Acetone	2.18	43	1057	1.498	ug/L	91
17) trans-1,2-Dichloroethene	2.79	96	85016	53.765	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	4845	0.952	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	2549602	1419.259	ug/L	98
34) Trichloroethene	5.96	95	1844826	1087.400	ug/L	98
37) 1,2-Dichloropropane	6.12	63	7145	4.779	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1684	0.653	ug/L #	83
46) Tetrachloroethene	8.02	164	148779	91.740	ug/L	99
59) 1,2,3-Trichloropropane	11.29	75	9389	4.654	ug/L	89

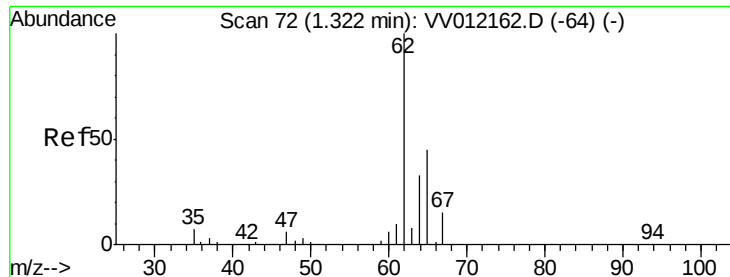
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 72.741 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012167.D

Acq: 09 Aug 2019 22:49

Instrument :

MSVOA_V

ClientSampleId :

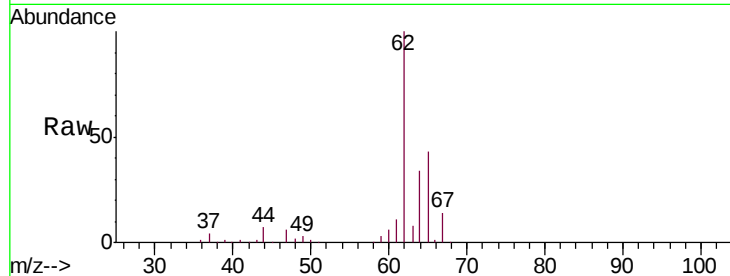
F2B07

Tgt Ion: 62 Resp: 107437

Ion Ratio Lower Upper

62 100

64 34.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV012167.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV012167.D (-64) (-)

120000

100000

80000

60000

40000

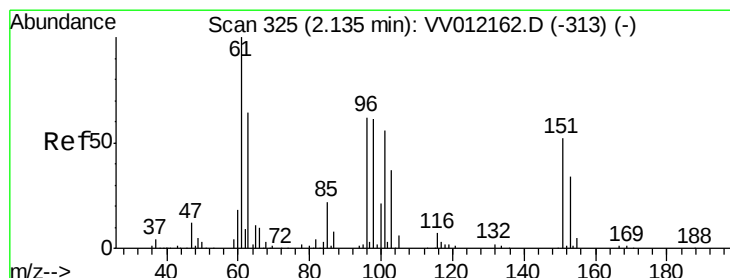
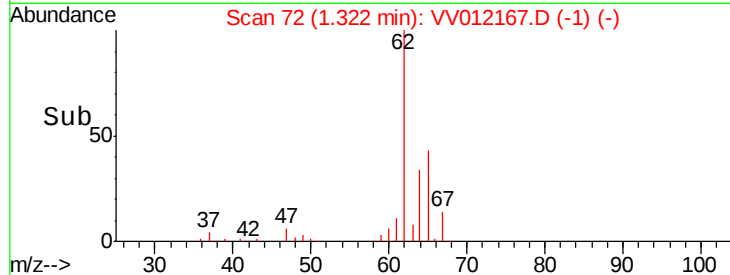
20000

0

1.32

1.30 1.35 1.40

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.622 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012167.D

Acq: 09 Aug 2019 22:49

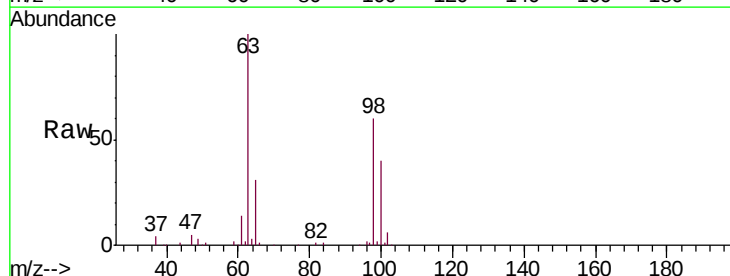
Tgt Ion: 101 Resp: 733

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 71.8 107.8#



Abundance Ion 101.00 (100.70 to 101.70): VV012167.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012167.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012167.D (-313) (-)

600

500

400

300

200

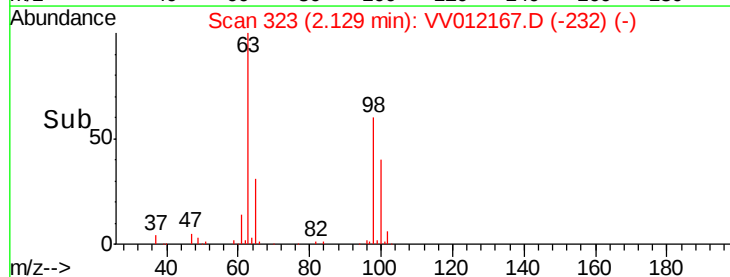
100

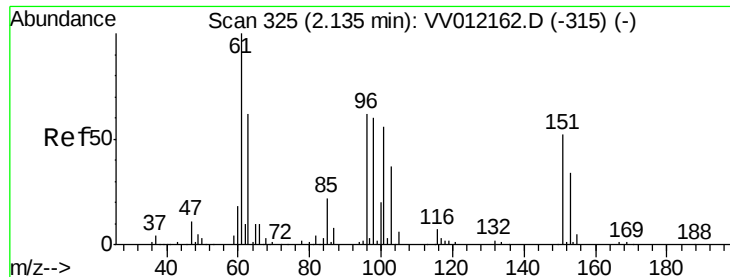
0

2.13

2.10 2.12 2.14 2.16

Time-->





#12

1,1-Dichloroethene

Concen: 1.914 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012167.D

Acq: 09 Aug 2019 22:49

Instrument :

MSVOA_V

ClientSampleId :

F2B07

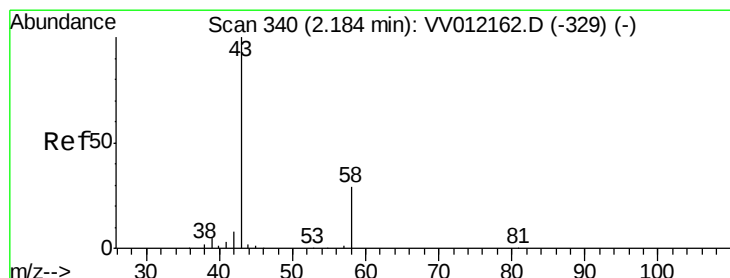
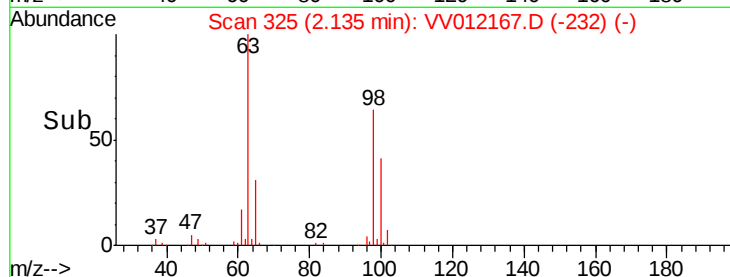
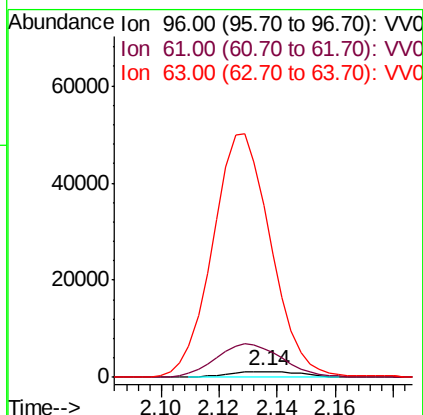
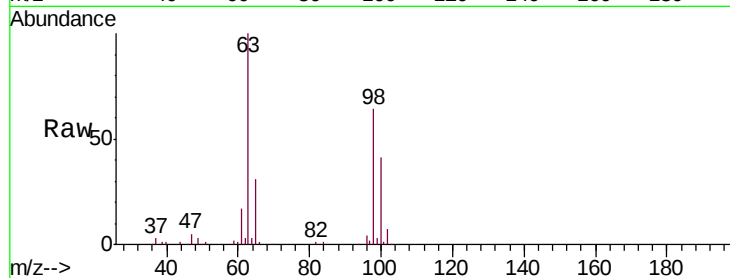
Tgt Ion: 96 Resp: 2075

Ion Ratio Lower Upper

96 100

61 483.5 115.1 213.8#

63 2844.1 83.9 155.7#



#13

Acetone

Concen: 1.498 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV012167.D

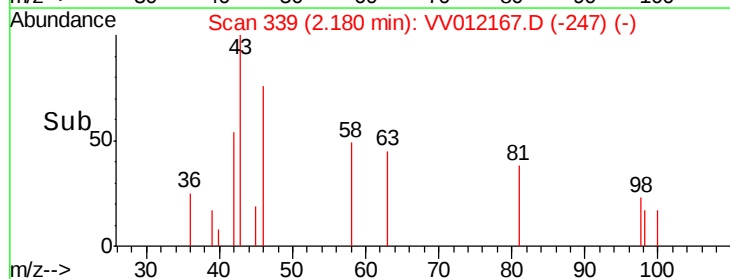
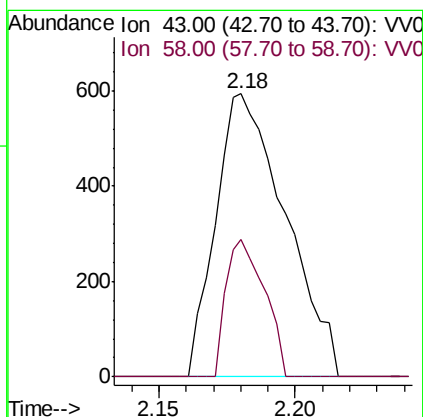
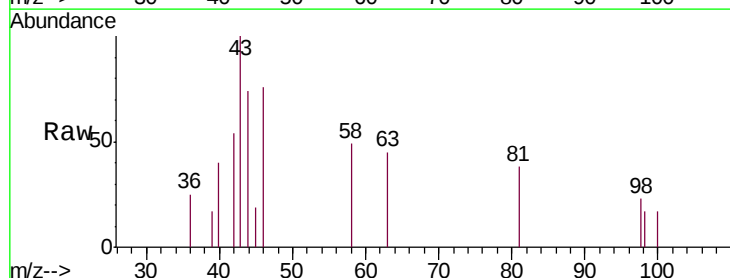
Acq: 09 Aug 2019 22:49

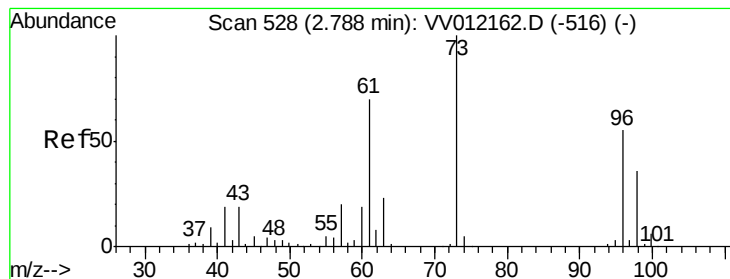
Tgt Ion: 43 Resp: 1057

Ion Ratio Lower Upper

43 100

58 26.8 0.0 63.4





#17

trans-1,2-Dichloroethene

Concen: 53.765 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012167.D

Acq: 09 Aug 2019 22:49

Instrument :

MSVOA_V

ClientSampleId :

F2B07

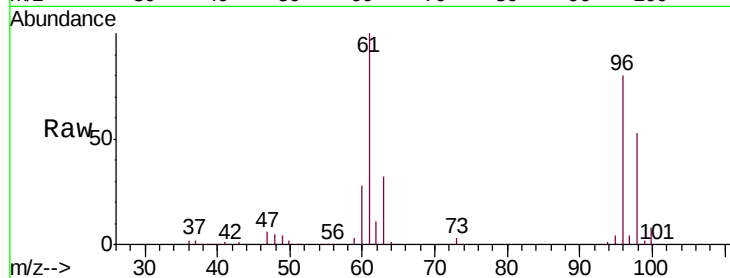
Tgt Ion: 96 Resp: 85016

Ion Ratio Lower Upper

96 100

61 125.4 89.3 165.9

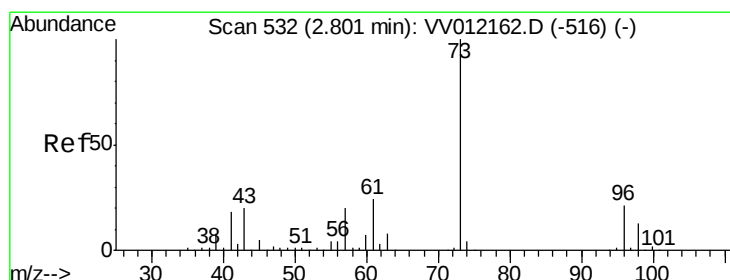
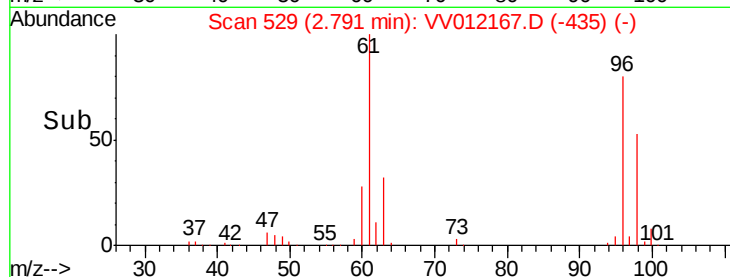
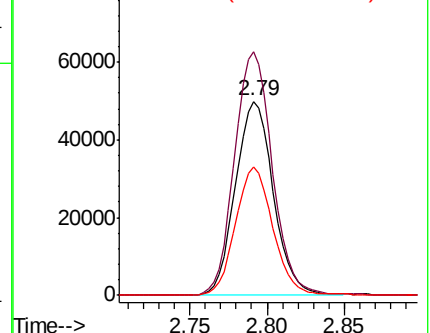
98 66.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 0.952 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012167.D

Acq: 09 Aug 2019 22:49

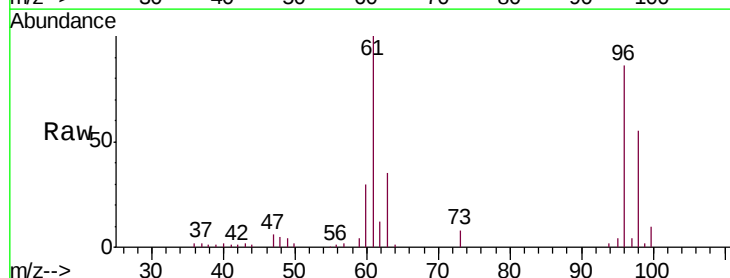
Tgt Ion: 73 Resp: 4845

Ion Ratio Lower Upper

73 100

43 18.5 15.2 22.8

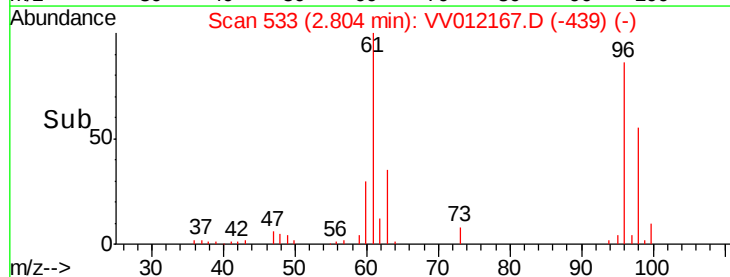
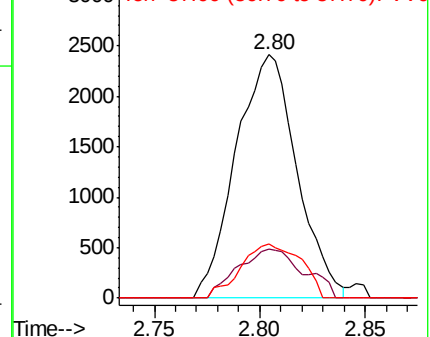
57 21.0 16.2 24.2

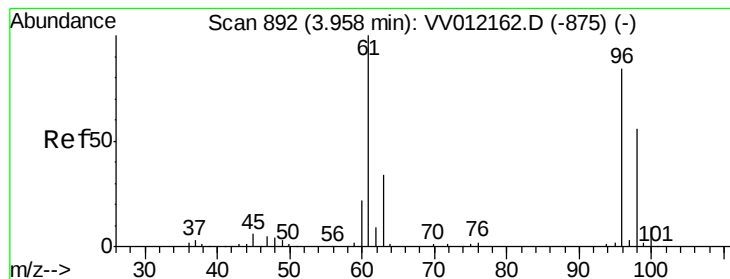


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



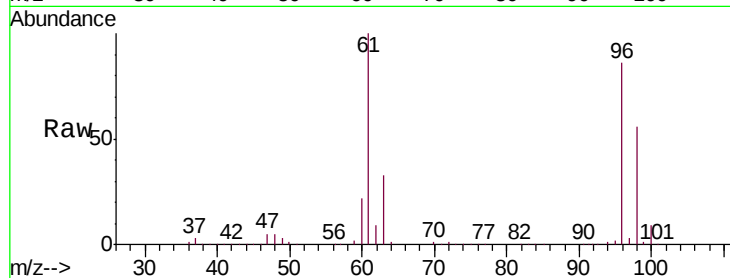


#20

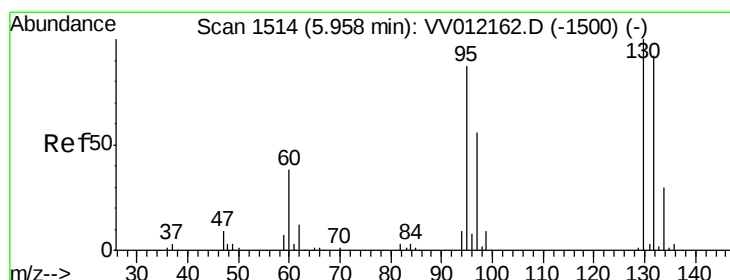
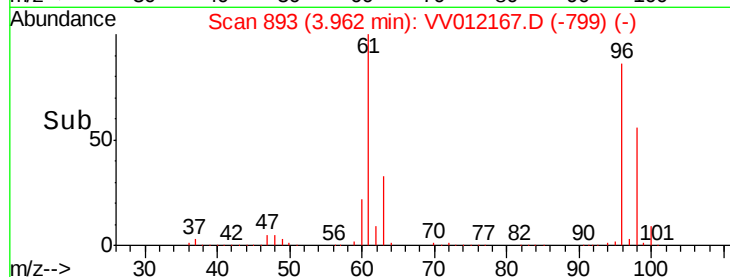
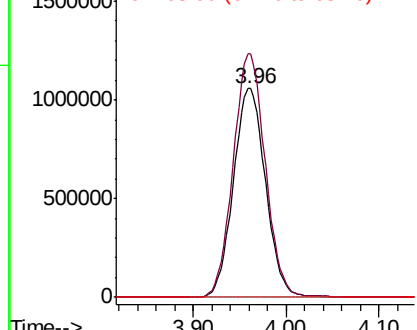
cis-1,2-Dichloroethene
Concen: 1419.259 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012167.D
Acq: 09 Aug 2019 22:49

Instrument :
MSVOA_V
ClientSampleId :
F2B07

Tgt Ion: 96 Resp: 2549602
Ion Ratio Lower Upper
96 100
61 116.6 82.9 153.9
68 0.0 0.0 0.0



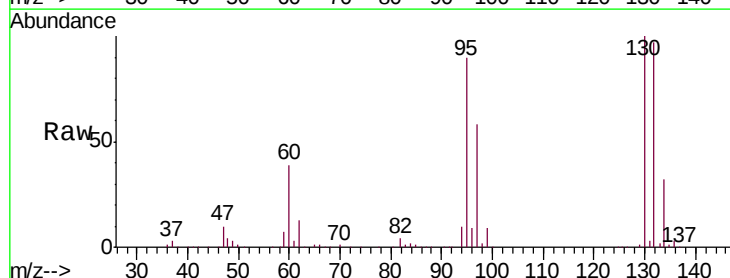
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



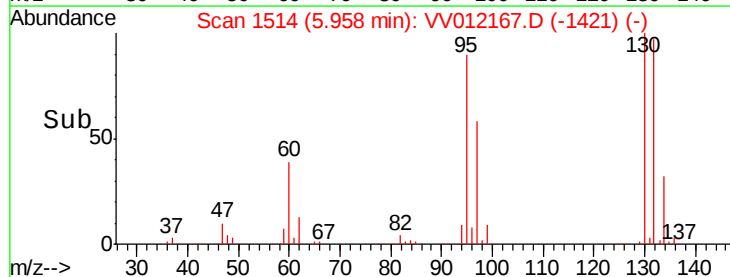
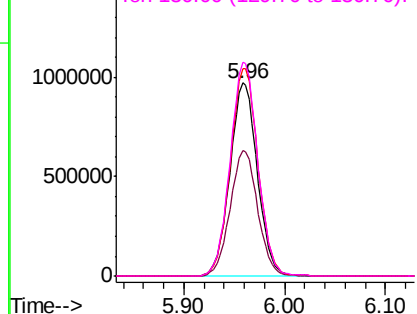
#34

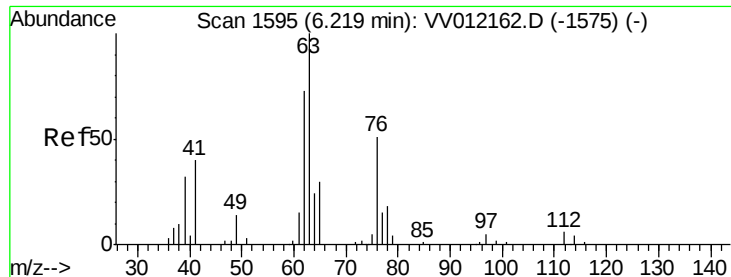
Trichloroethene
Concen: 1087.400 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV012167.D
Acq: 09 Aug 2019 22:49

Tgt Ion: 95 Resp: 1844826
Ion Ratio Lower Upper
95 100
97 64.7 44.7 83.1
132 107.5 72.7 134.9
130 110.6 75.9 141.1



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): VV0
Ion 130.00 (129.70 to 130.70): VV0

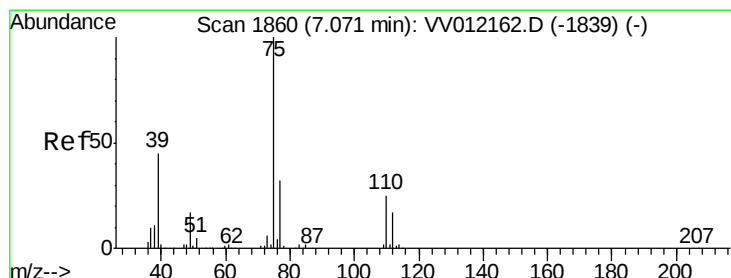
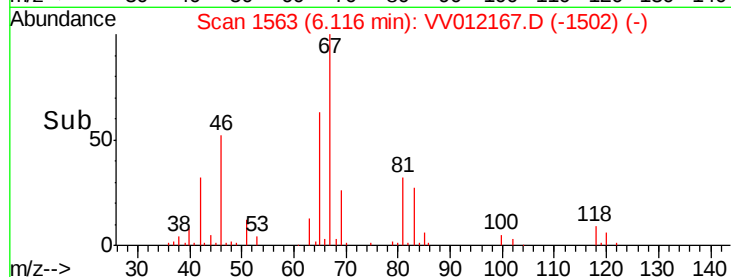
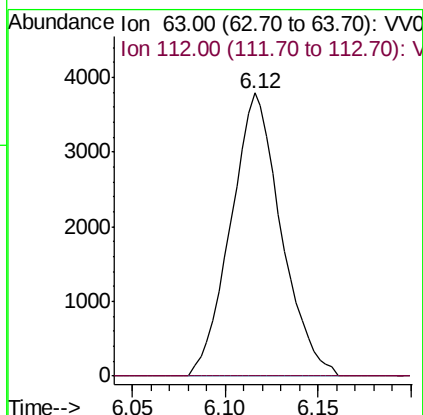
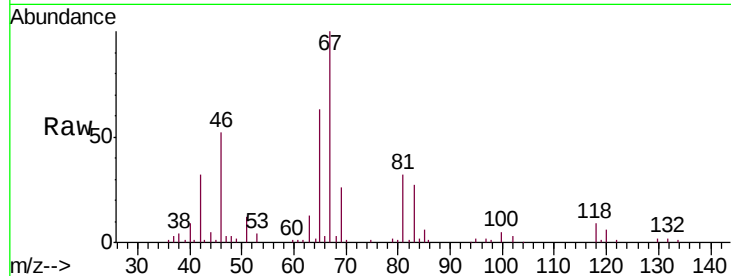




#37
 1,2-Dichloropropane
 Concen: 4.779 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV012167.D
 Acq: 09 Aug 2019 22:49

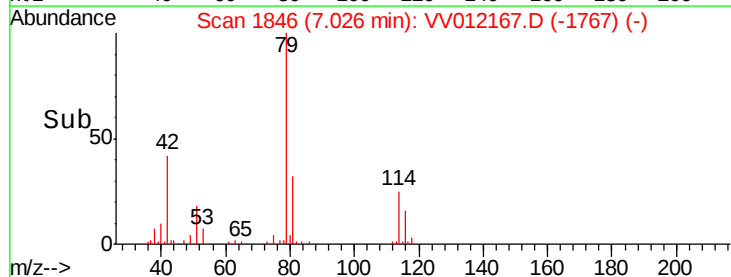
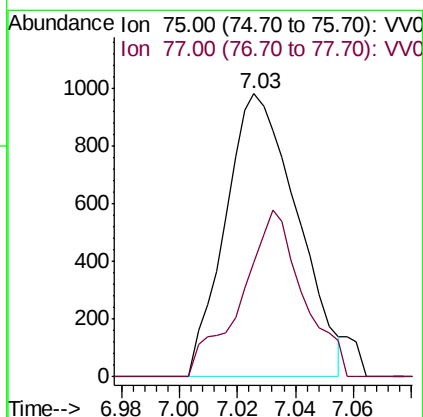
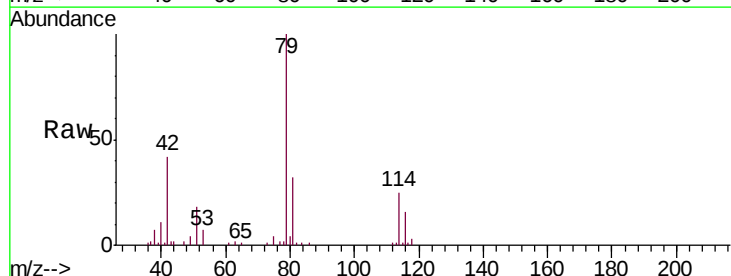
Instrument :
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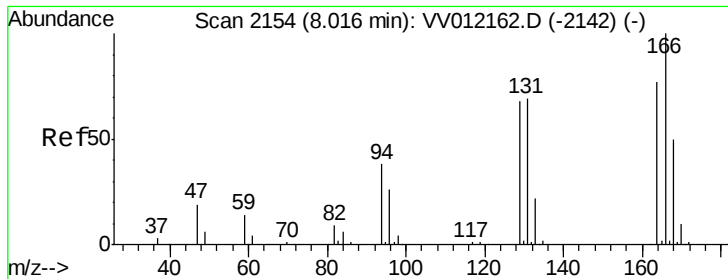
Tgt Ion: 63 Resp: 7145
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.653 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV012167.D
 Acq: 09 Aug 2019 22:49

Tgt Ion: 75 Resp: 1684
 Ion Ratio Lower Upper
 75 100
 77 40.3 21.7 40.3#

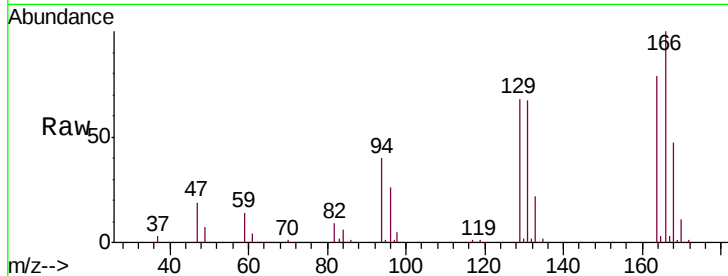




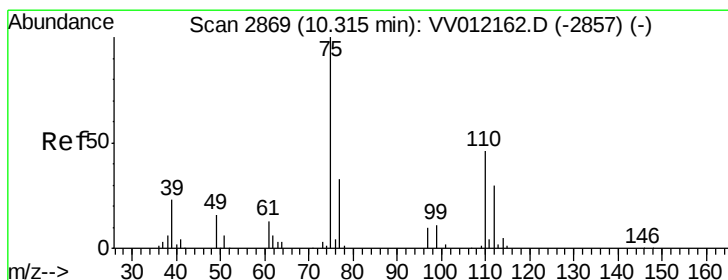
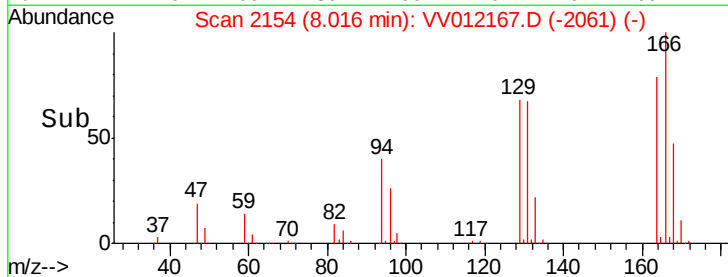
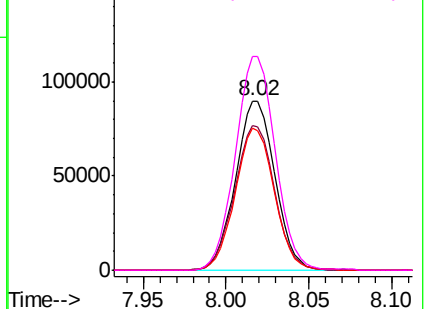
#46
Tetrachloroethene
Concen: 91.740 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012167.D
Acq: 09 Aug 2019 22:49

Instrument :
MSVOA_V
ClientSampleId :
F2B07

Tgt Ion:164 Resp: 148779
Ion Ratio Lower Upper
164 100
129 85.4 60.6 112.6
131 84.0 59.5 110.5
166 126.1 87.2 161.9

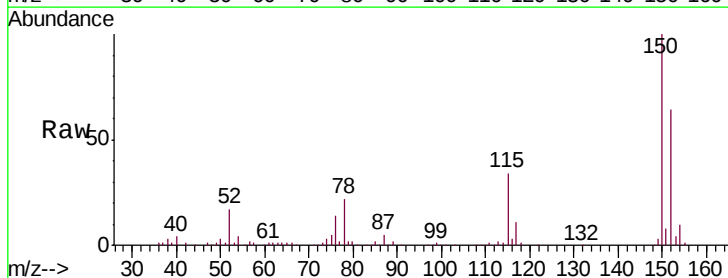


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#59
1,2,3-Trichloropropane
Concen: 4.654 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.98 min
Lab File: VV012167.D
Acq: 09 Aug 2019 22:49

Tgt Ion: 75 Resp: 9389
Ion Ratio Lower Upper
75 100
77 38.9 26.3 39.5



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

