

Data File : VV012534.D
Acq On : 02 Sep 2019 17:27
Operator : SY/MD
Sample : K4607-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD67

Quant Time: Sep 03 05:48:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 05:44:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	155851	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	152885	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64502	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.59	69	68609	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.13	63	114843	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	3.93	46	132895	46.07	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.14%
24) Chloroform-d	4.40	84	107612	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	59657	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	207077	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	67868	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	176931	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.66	79	20557	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.14	63	82100	44.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43372	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	59469	5.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

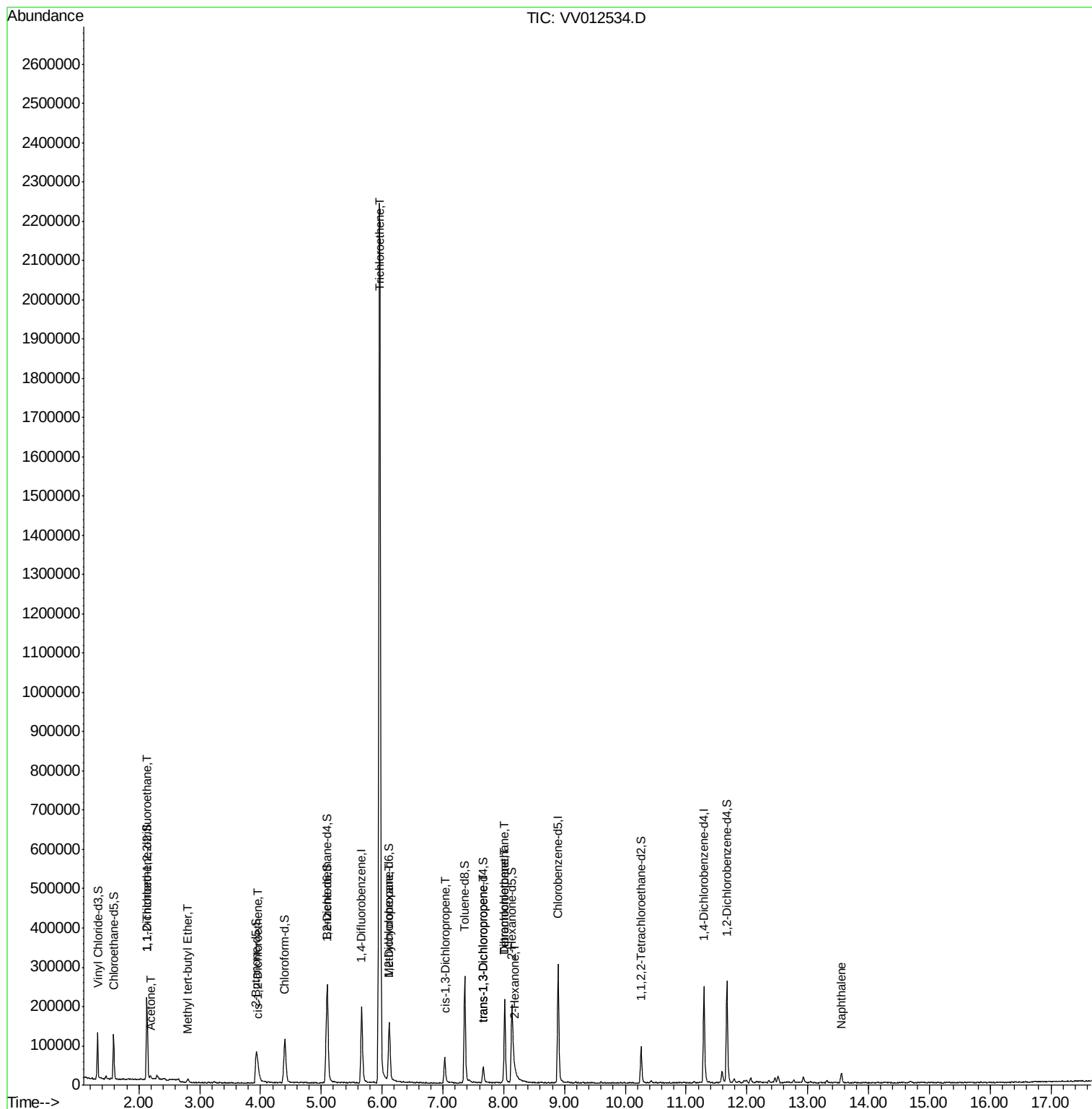
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1559	0.071	ug/L #	35
13) Acetone	2.19	43	8332	2.036	ug/L	92
17) Methyl tert-butyl Ether	2.81	73	7797	0.228	ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	10206	0.613	ug/L #	100
34) Trichloroethene	5.96	95	745867	42.883	ug/L	98
35) Methylcyclohexane	6.12	83	15293	0.579	ug/L #	16
39) cis-1,3-Dichloropropene	7.04	75	2231	0.102	ug/L	93
44) trans-1,3-Dichloropropene	7.67	75	1584	0.092	ug/L	87
47) Tetrachloroethene	8.02	164	42513	3.383	ug/L	99
48) 2-Hexanone	8.19	43	9532	1.394	ug/L #	43
49) Dibromochloromethane	8.02	129	38882	3.145	ug/L #	10
69) Naphthalene	13.55	128	18519	0.907	ug/L	99

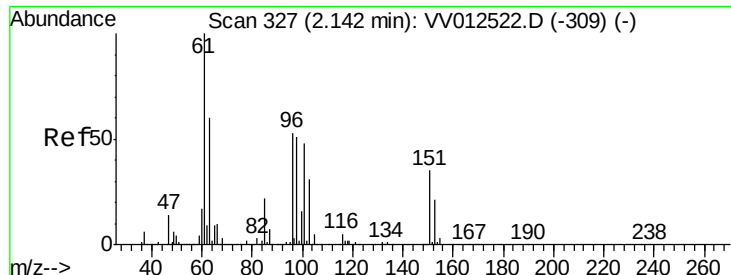
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.071 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012534.D

Acq: 02 Sep 2019 17:27

Instrument :

MSVOA_V

ClientSampleId :

BFD67

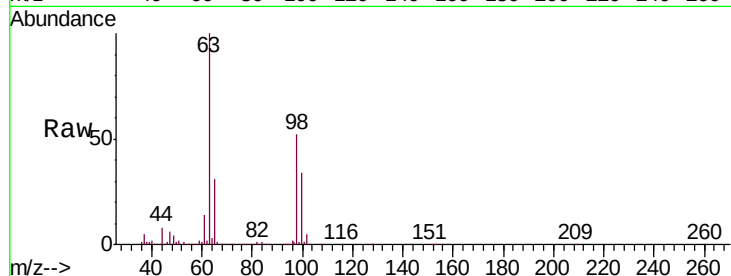
Tgt Ion:101 Resp: 1559

Ion Ratio Lower Upper

101 100

85 8.9 37.4 56.0#

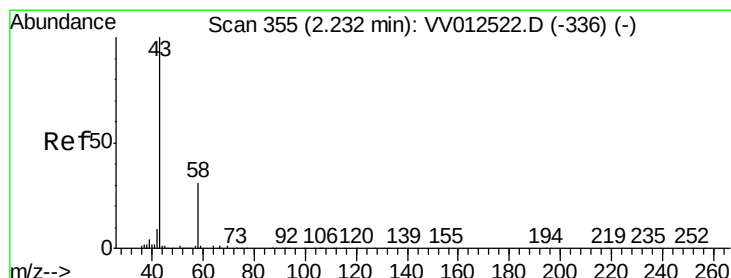
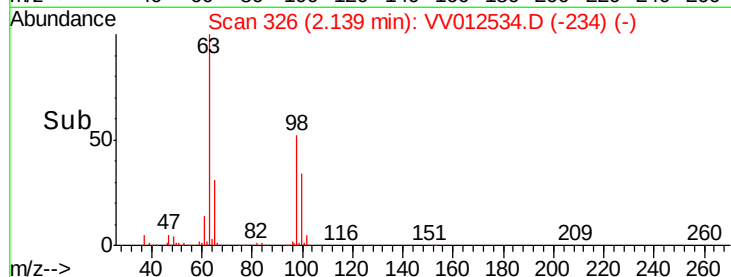
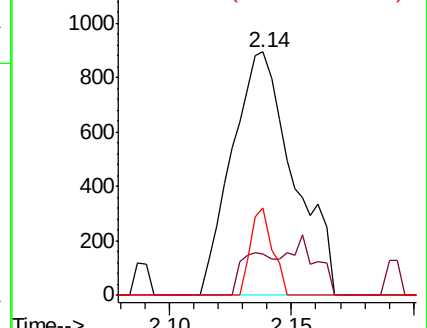
151 12.7 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.036 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.04 min

Lab File: VV012534.D

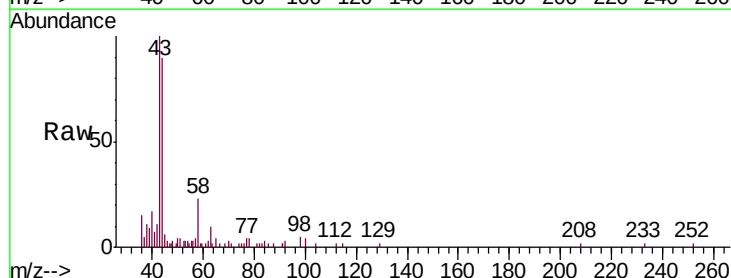
Acq: 02 Sep 2019 17:27

Tgt Ion: 43 Resp: 8332

Ion Ratio Lower Upper

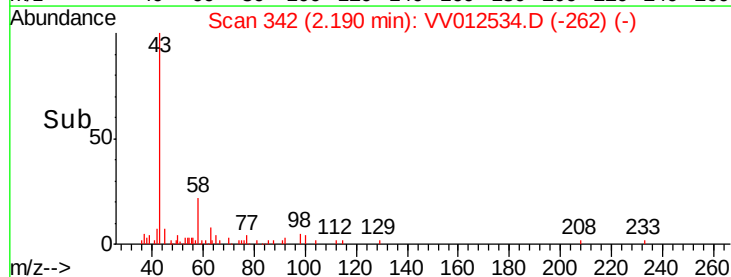
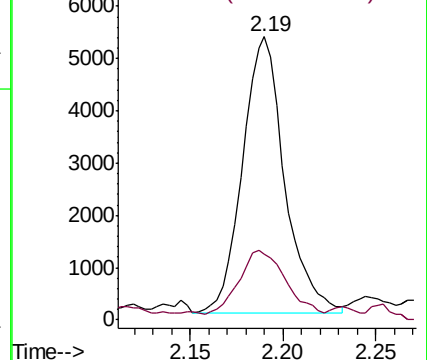
43 100

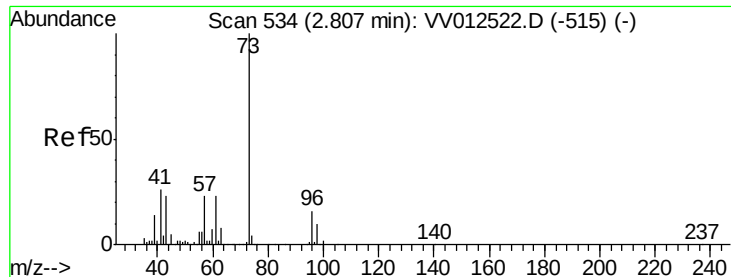
58 24.6 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#17

Methyl tert-butyl Ether

Concen: 0.228 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

BFD67

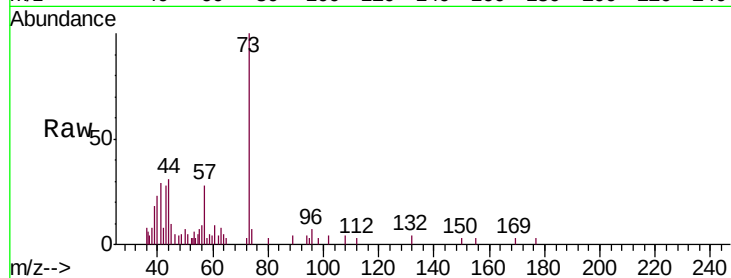
Tgt Ion: 73 Resp: 7797

Ion Ratio Lower Upper

73 100

43 28.3 18.9 28.3

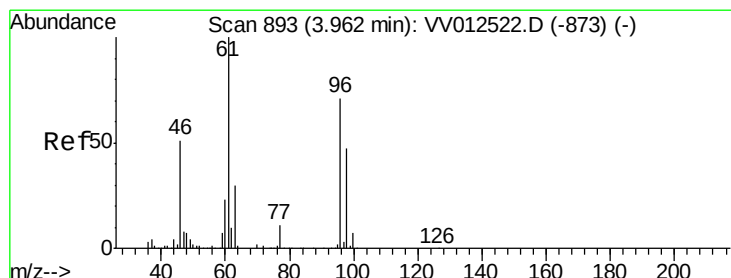
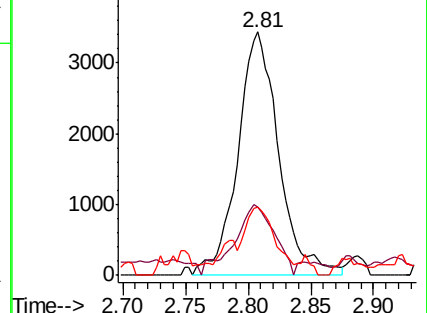
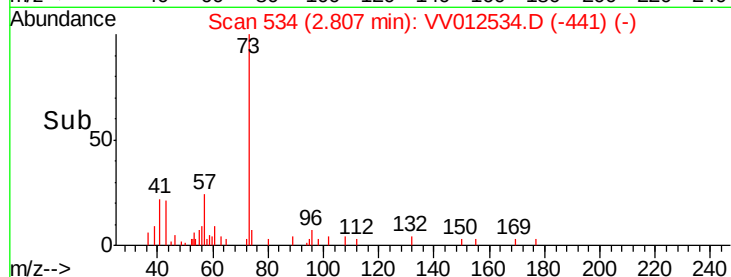
57 20.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.613 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV012534.D

Acq: 02 Sep 2019 17:27

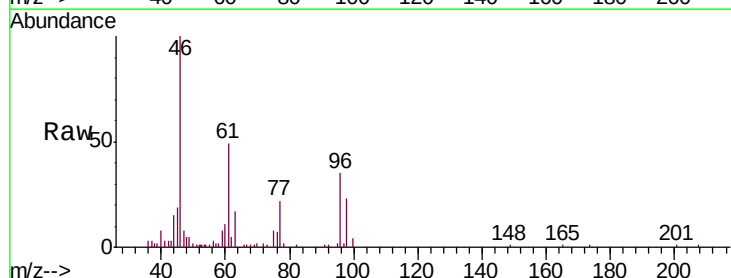
Tgt Ion: 96 Resp: 10206

Ion Ratio Lower Upper

96 100

61 138.8 97.5 181.1

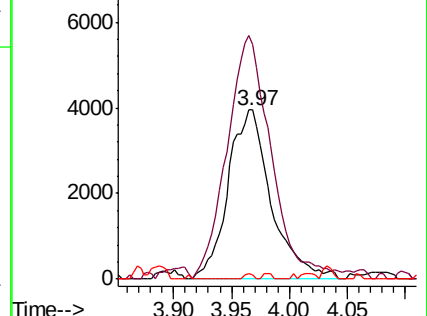
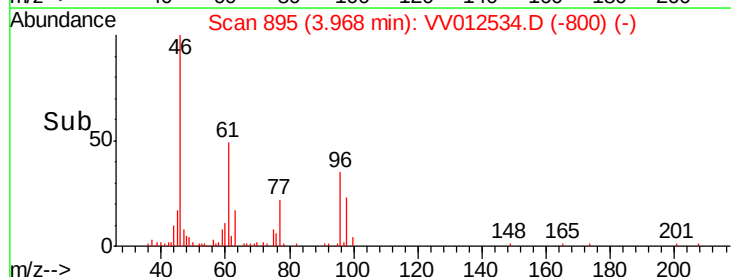
68 2.7 0.0 0.0#

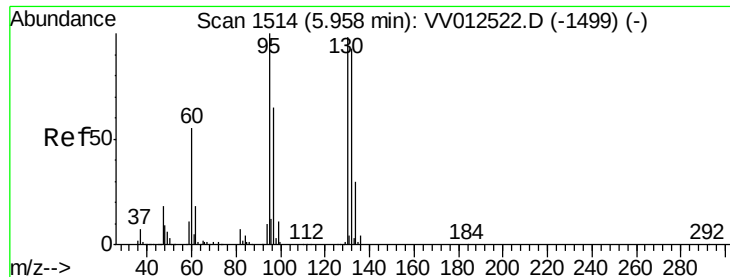


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 42.883 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012534.D

Acq: 02 Sep 2019 17:27

Instrument :

MSVOA_V

ClientSampleId :

BFD67

Tgt Ion: 95 Resp: 745867

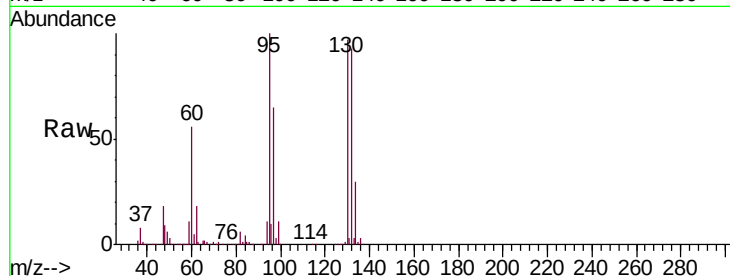
Ion Ratio Lower Upper

95 100

97 65.2 44.7 83.1

132 93.0 63.8 118.4

130 97.3 66.6 123.6

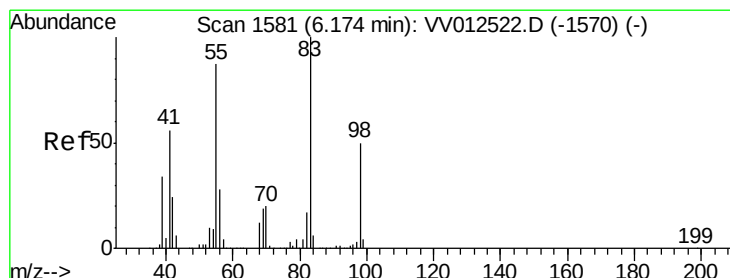
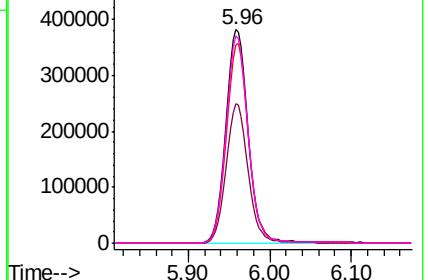
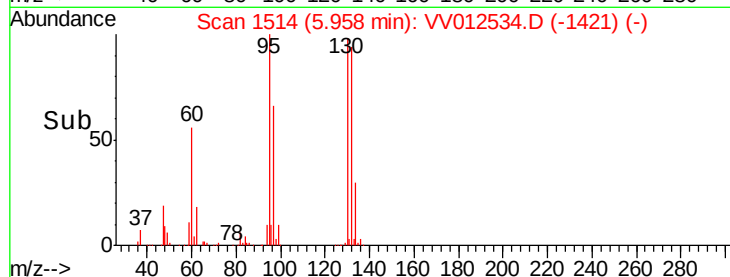


Abundance Ion 95.00 (94.70 to 95.70): VV012534.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV012534.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV012534.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV012534.D (-1421) (-)



#35

Methylcyclohexane

Concen: 0.579 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012534.D

Acq: 02 Sep 2019 17:27

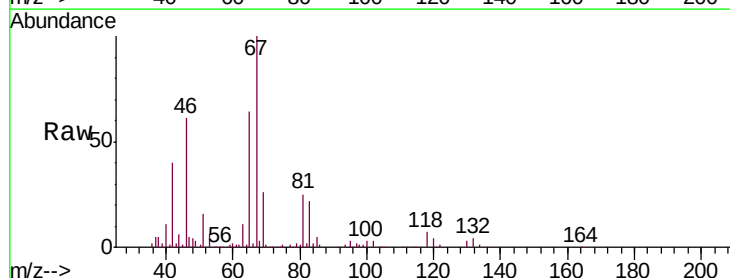
Tgt Ion: 83 Resp: 15293

Ion Ratio Lower Upper

83 100

55 0.9 67.3 100.9#

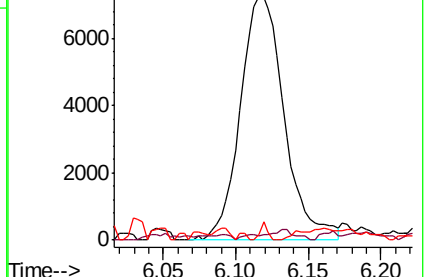
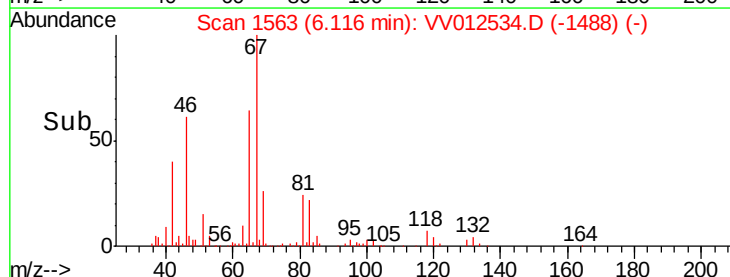
98 0.0 37.4 56.2#

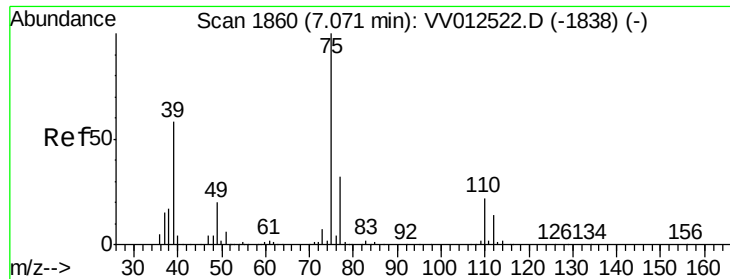


Abundance Ion 83.15 (82.85 to 83.85): VV012534.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012534.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012534.D (-1488) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV012534.D

Acq: 02 Sep 2019 17:27

Instrument :

MSVOA_V

ClientSampleId :

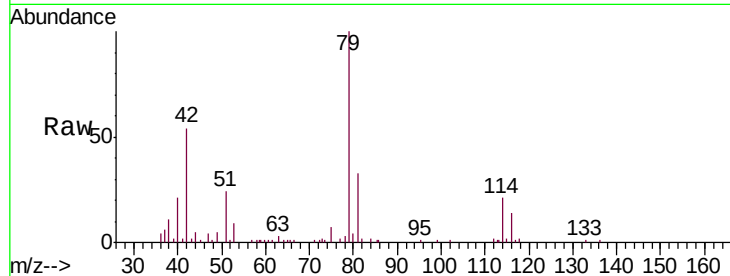
BFD67

Tgt Ion: 75 Resp: 2231

Ion Ratio Lower Upper

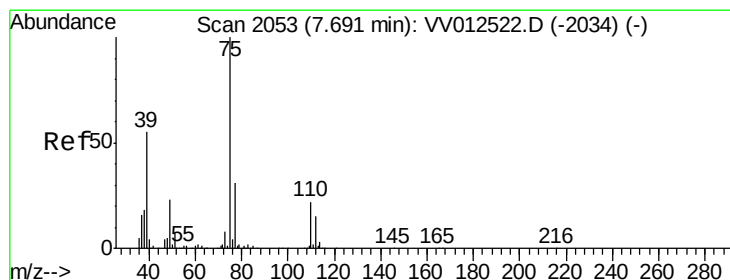
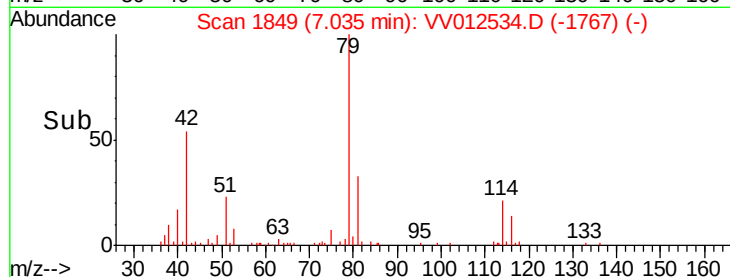
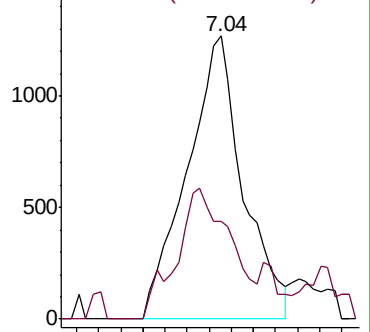
75 100

77 34.5 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012534.D

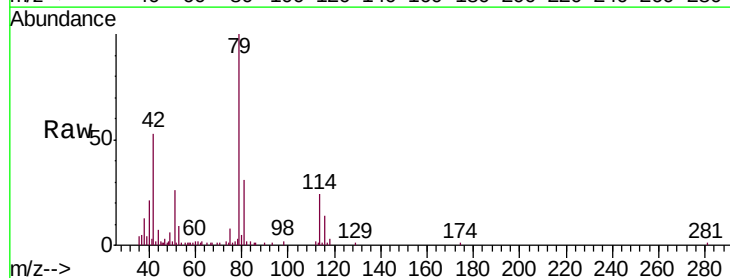
Acq: 02 Sep 2019 17:27

Tgt Ion: 75 Resp: 1584

Ion Ratio Lower Upper

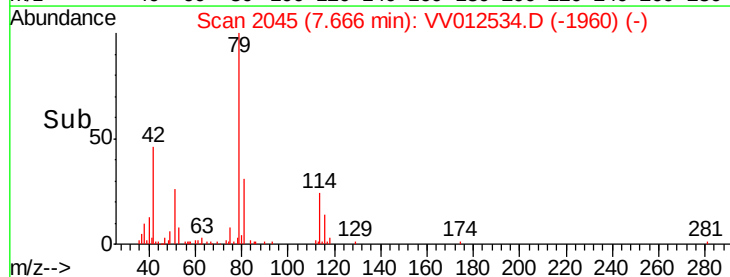
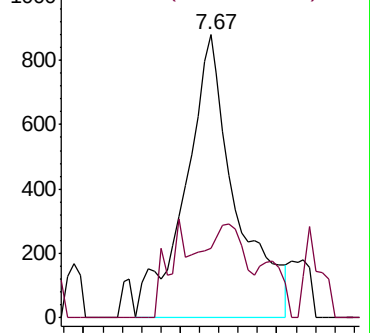
75 100

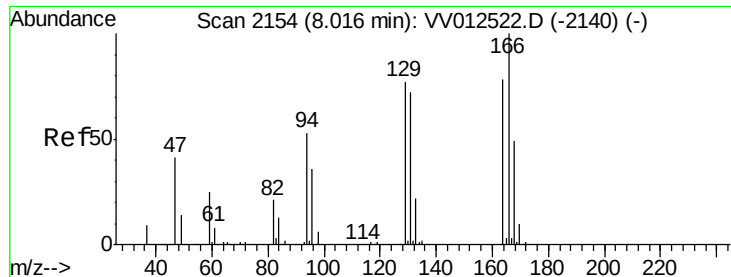
77 24.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

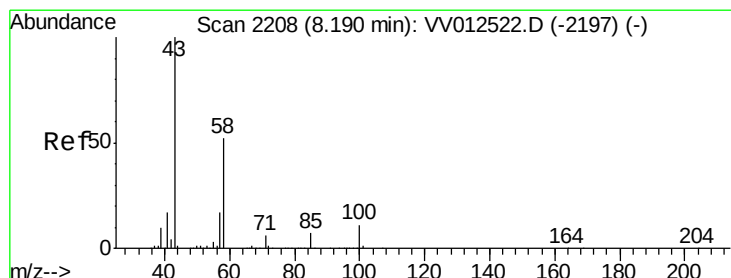
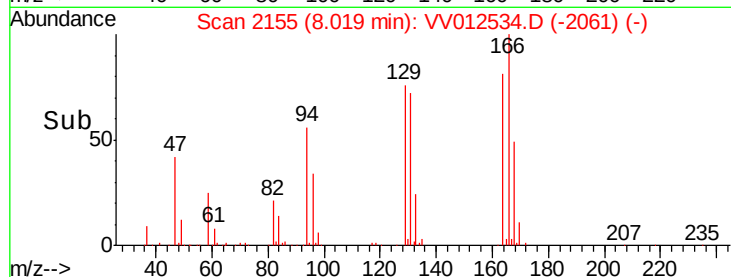
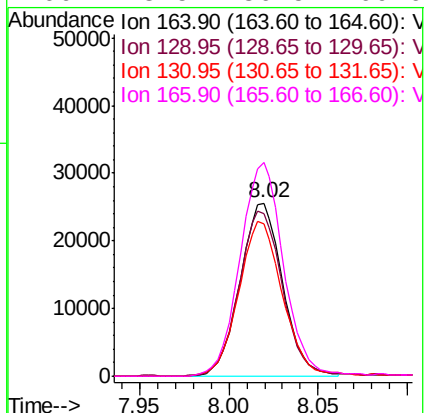
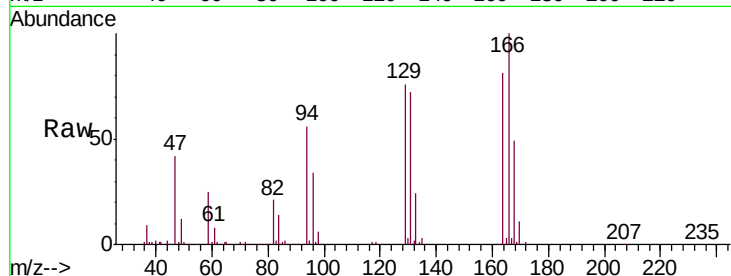




#47
Tetrachloroethene
Concen: 3.383 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV012534.D
Acq: 02 Sep 2019 17:27

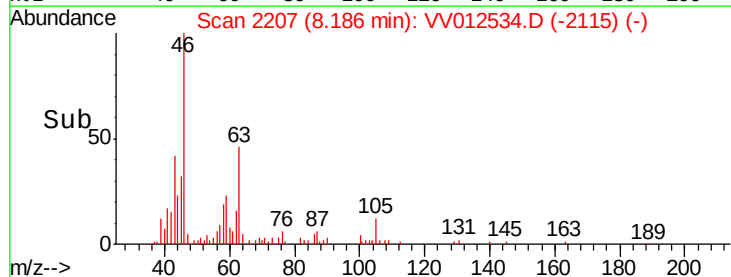
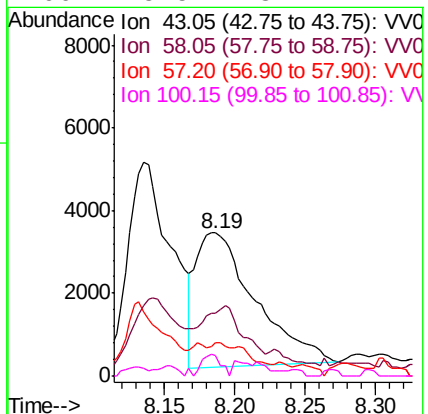
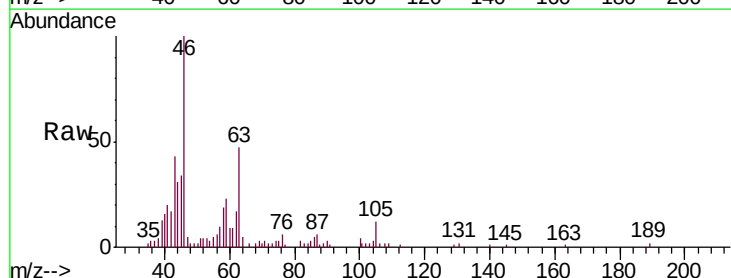
Instrument :
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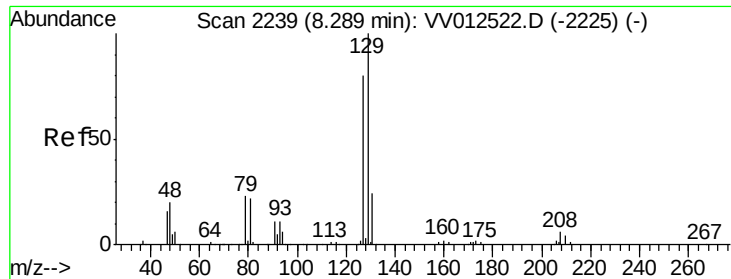
Tgt Ion:	164	Resp:	42513
Ion	Ratio	Lower	Upper
164	100		
129	93.9	64.5	119.9
131	88.4	62.3	115.7
166	123.5	86.5	160.6



#48
2-Hexanone
Concen: 1.394 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012534.D
Acq: 02 Sep 2019 17:27

Tgt Ion:	43	Resp:	9532
Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.0	60.0#
57	1.5	13.4	20.2#
100	5.5	8.2	12.2#





#49

Dibromochloromethane

Concen: 3.145 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012534.D

Acq: 02 Sep 2019 17:27

Instrument :

MSVOA_V

ClientSampleId :

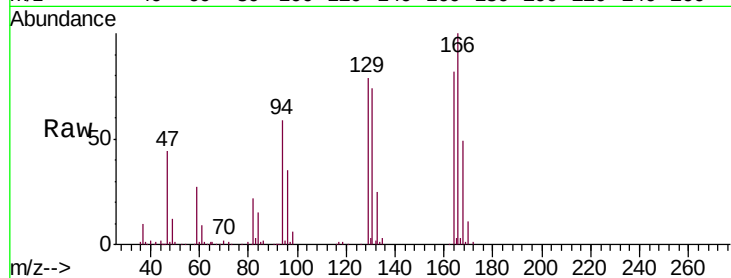
BFD67

Tgt Ion:129 Resp: 38882

Ion Ratio Lower Upper

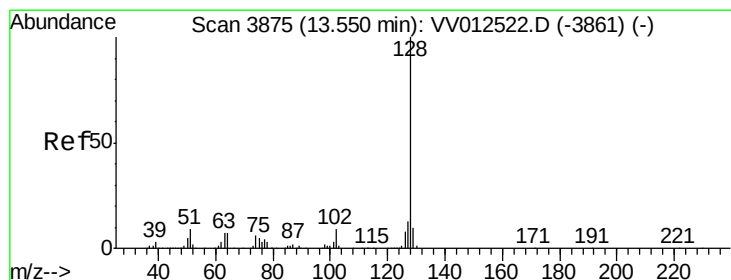
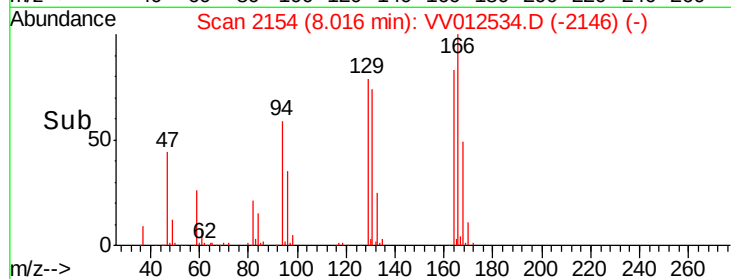
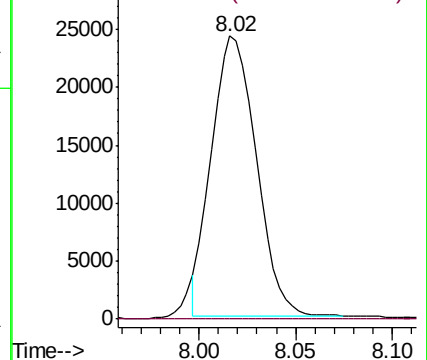
129 100

127 0.0 54.9 102.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#69

Naphthalene

Concen: 0.907 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012534.D

Acq: 02 Sep 2019 17:27

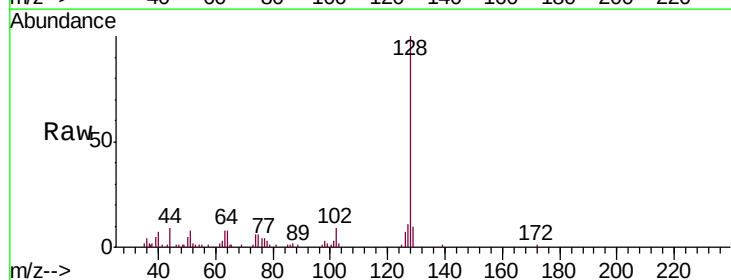
Tgt Ion:128 Resp: 18519

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.3 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

