

Data File : VV012613.D
Acq On : 06 Sep 2019 22:13
Operator : SY/MD
Sample : K4703-12
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD95

Quant Time: Sep 07 01:11:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	138595	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	142093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	46926	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61422	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	61401	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.13	63	122714	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.96	46	146574	57.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.96%
24) Chloroform-d	4.40	84	100339	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.08	65	56860	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.10	84	178462	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	62916	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	132235	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	7.67	79	17431	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.14	63	77892	50.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41270	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	41459	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1193	0.082 ug/L	99
5) Vinyl chloride	1.32	62	6995	0.344 ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1671	0.097 ug/L #	58
12) 1,1-Dichloroethene	2.14	96	49139	2.977 ug/L	87
13) Acetone	2.22	43	9325	3.041 ug/L	70
16) Methylene chloride	2.54	84	2071	0.108 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	12052	0.451 ug/L #	87
19) 1,1-Dichloroethane	3.23	63	67308	2.670 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	69117	5.328 ug/L	95
25) Chloroform	4.42	83	2880	0.106 ug/L	79
27) 1,2-Dichloroethane	5.18	62	3298	0.203 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	11324	0.542 ug/L	97
34) Trichloroethene	5.96	95	487401	34.012 ug/L	99
35) Methylcyclohexane	6.12	83	15072	0.704 ug/L #	15
47) Tetrachloroethene	8.02	164	186233	17.828 ug/L	97
48) 2-Hexanone	8.19	43	12182	2.148 ug/L #	92
49) Dibromochloromethane	8.02	129	169342	16.346 ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090619\
Quantitation Report (Not Reviewed)

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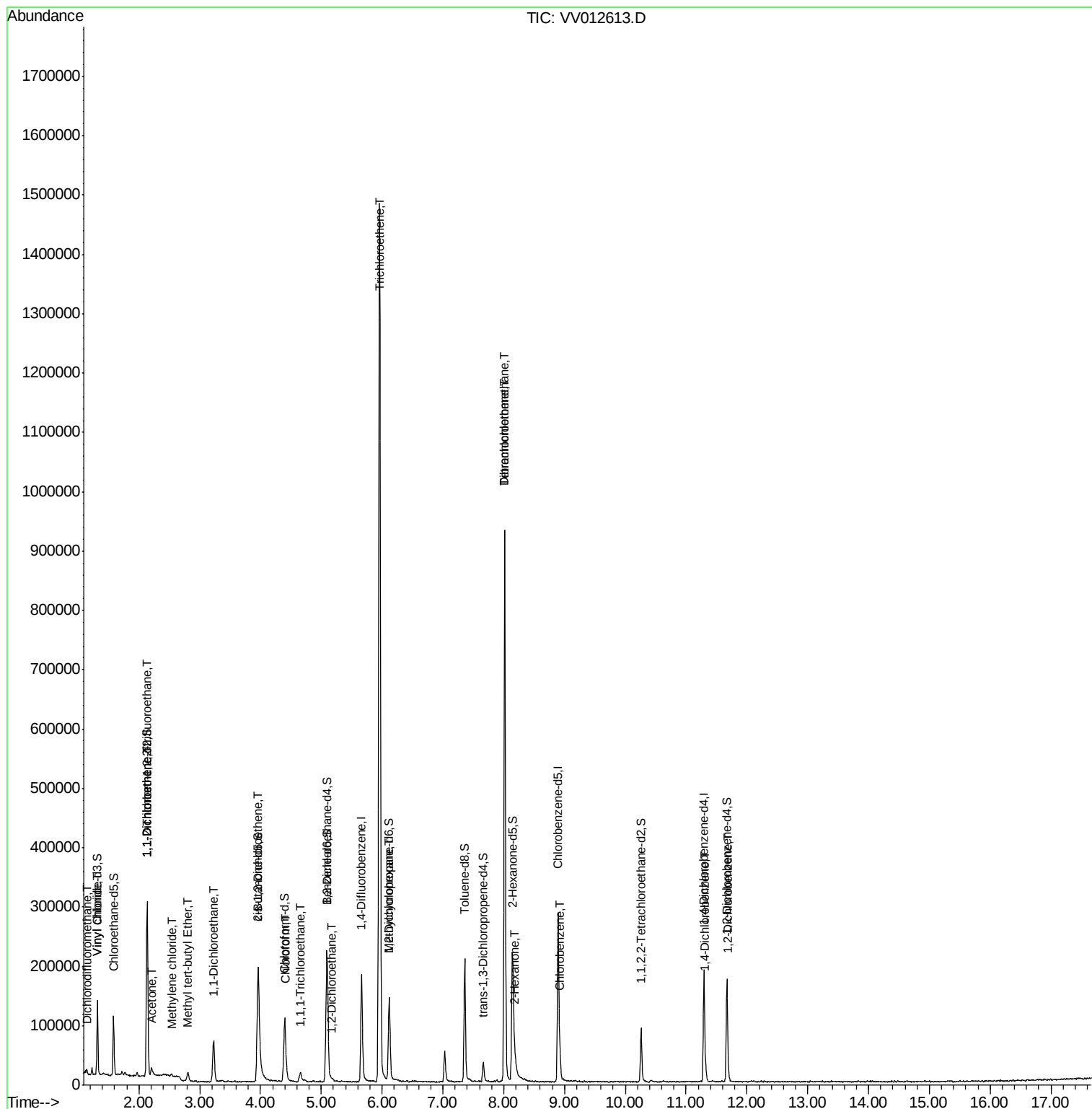
Quant Time: Sep 07 01:11:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration

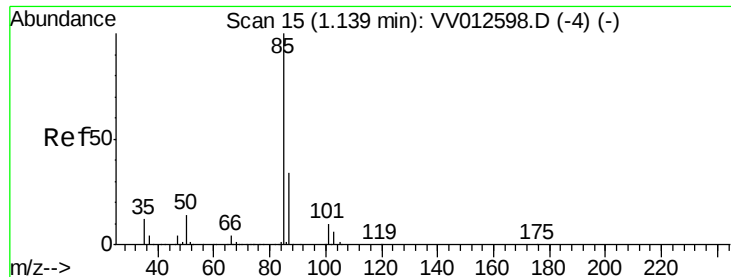
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	8.93	112	19951	0.578	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	4506	0.251	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	2162	0.130	ug/L #	85

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

Instrument :
MSVOA_V
ClientSampleId :
BFD95

Quant Time: Sep 07 01:11:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 07 01:06:07 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.082 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Instrument :

MSVOA_V

ClientSampled :

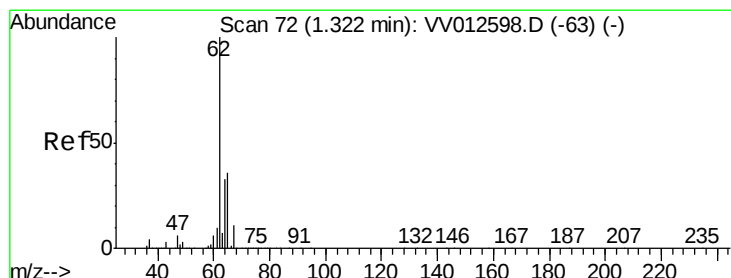
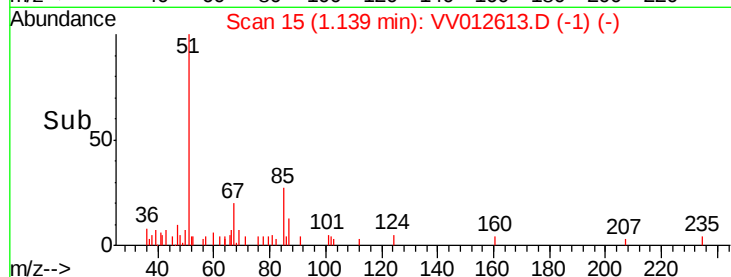
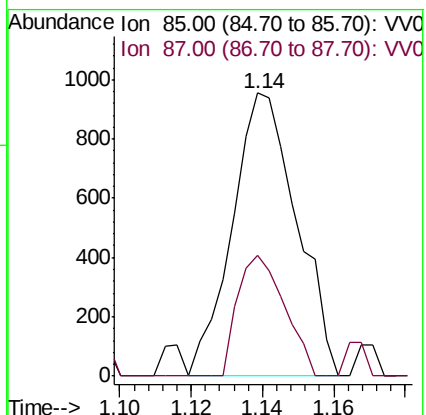
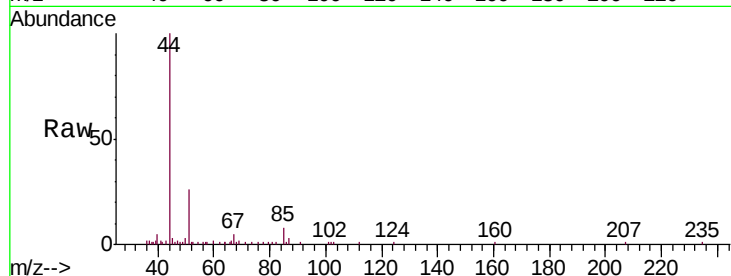
BFD95

Tgt Ion: 85 Resp: 1193

Ion Ratio Lower Upper

85 100

87 30.9 25.2 37.8



#5

Vinyl chloride

Concen: 0.344 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012613.D

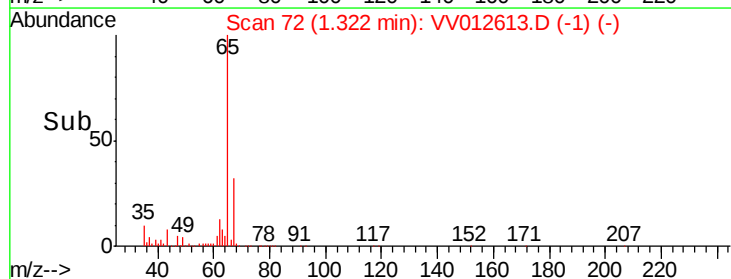
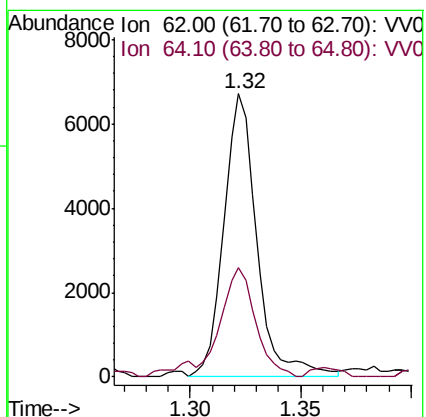
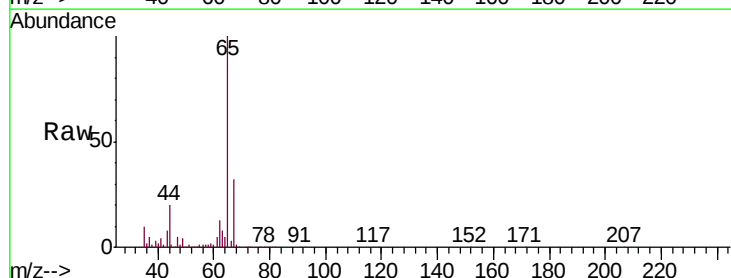
Acq: 06 Sep 2019 22:13

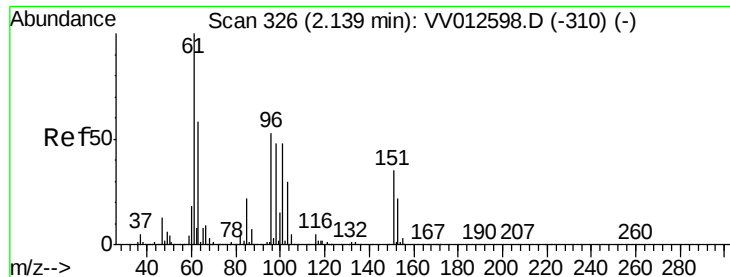
Tgt Ion: 62 Resp: 6995

Ion Ratio Lower Upper

62 100

64 38.4 23.0 42.6





#10

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

Concen: 0.097 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Instrument :

MSVOA_V

ClientSampleId :

BFD95

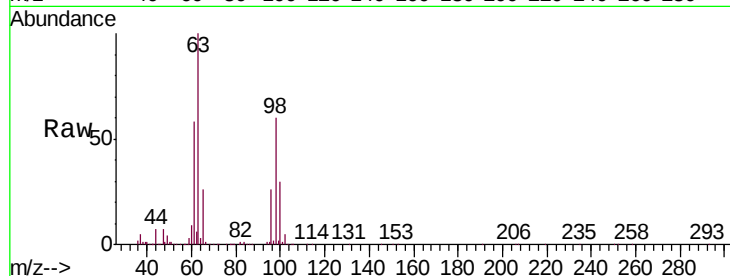
Tgt Ion: 101 Resp: 1671

Ion Ratio Lower Upper

101 100

85 29.8 37.4 56.0#

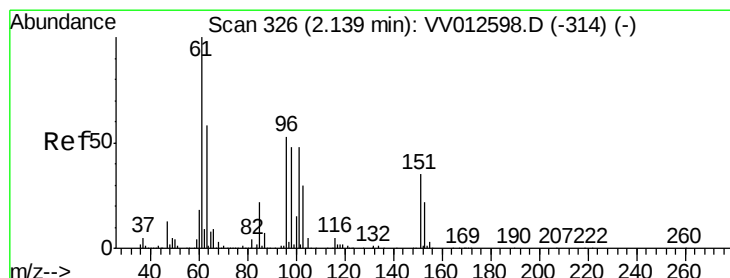
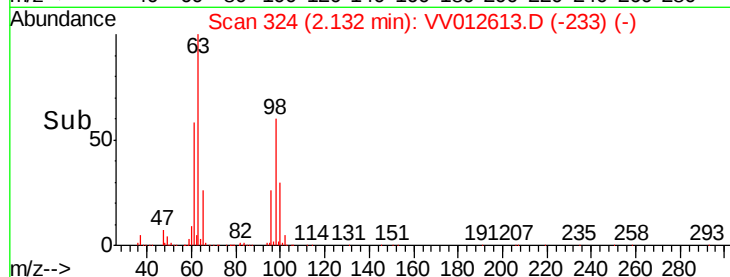
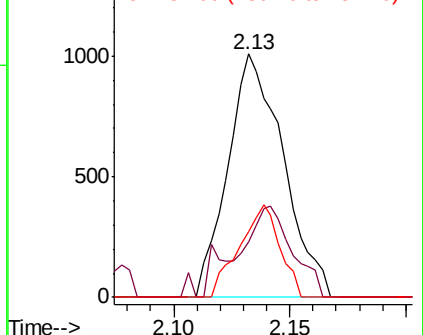
151 28.0 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): VV012598.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV012598.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV012598.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 2.977 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

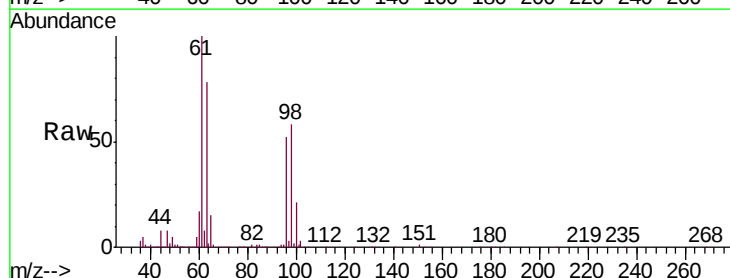
Tgt Ion: 96 Resp: 49139

Ion Ratio Lower Upper

96 100

61 194.0 132.7 246.5

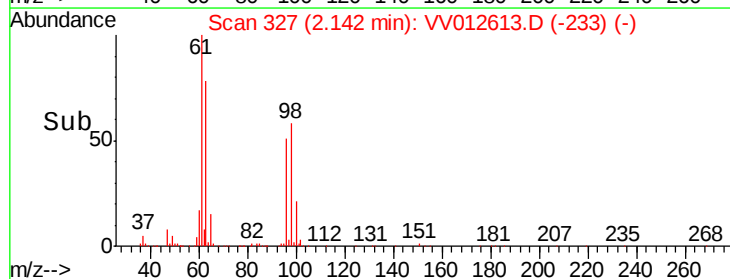
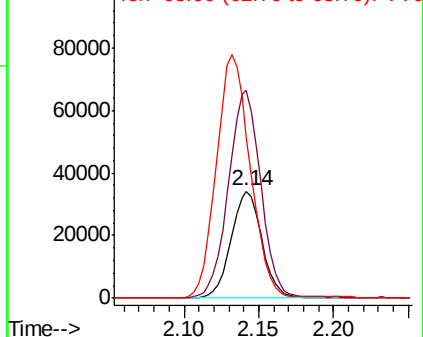
63 151.6 84.1 156.1

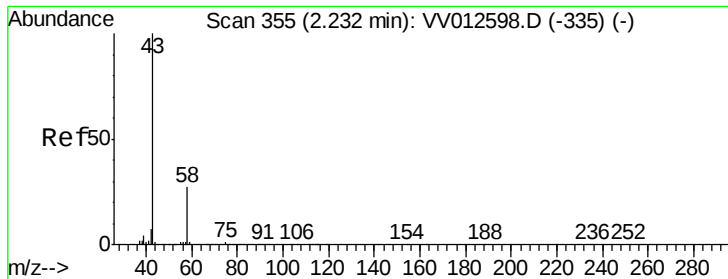


Abundance Ion 96.00 (95.70 to 96.70): VV012598.D (-314) (-)

Ion 61.05 (60.75 to 61.75): VV012598.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV012598.D (-314) (-)





#13

Acetone

Concen: 3.041 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.02 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Instrument :

MSVOA_V

ClientSampled :

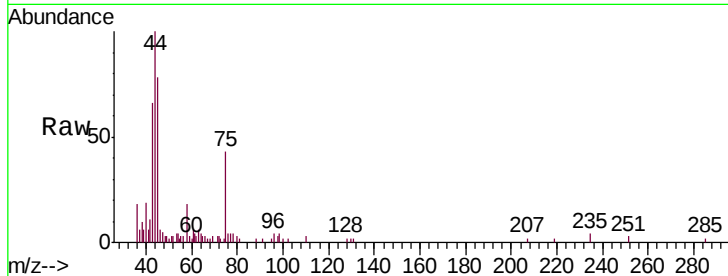
BFD95

Tgt Ion: 43 Resp: 9325

Ion Ratio Lower Upper

43 100

58 12.5 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

3000

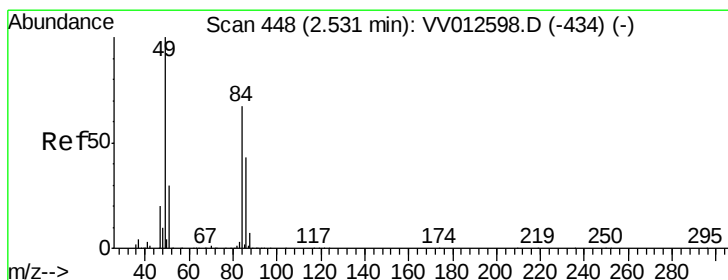
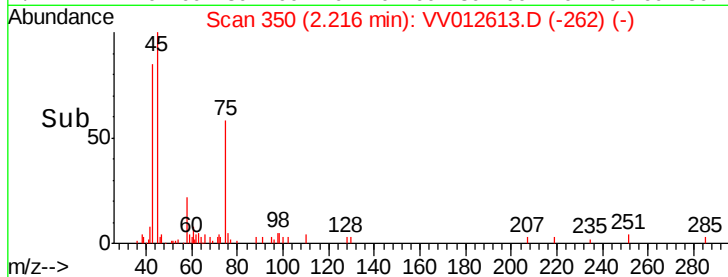
2000

1000

0

2.15 2.20 2.25 2.30

Time-->



#16

Methylene chloride

Concen: 0.108 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

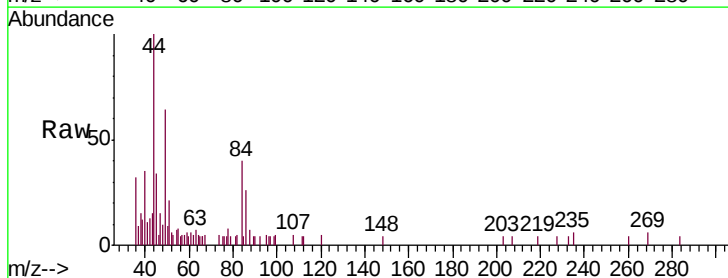
Tgt Ion: 84 Resp: 2071

Ion Ratio Lower Upper

84 100

86 59.2 43.6 81.0

49 143.9 103.0 191.2



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2500

2000

1500

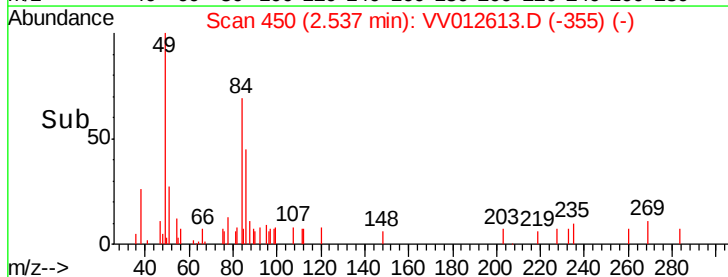
1000

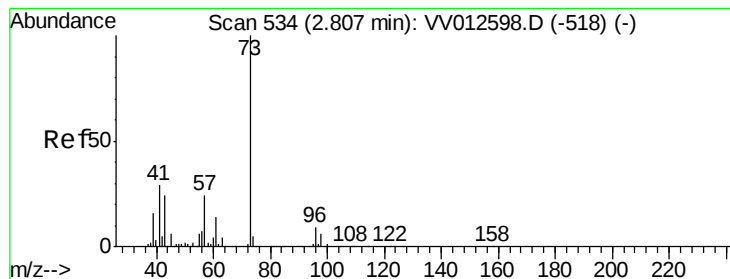
500

0

2.50 2.55

Time-->





#17

Methyl tert-butyl Ether

Concen: 0.451 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Instrument :

MSVOA_V

ClientSampleId :

BFD95

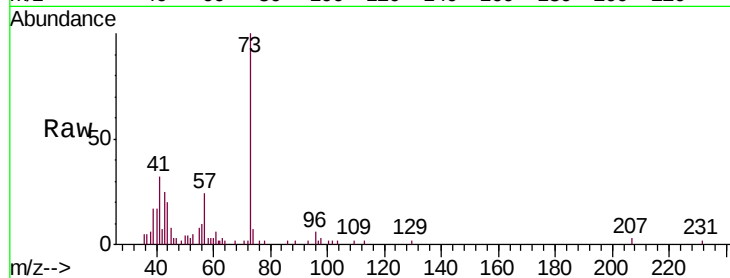
Tgt Ion: 73 Resp: 12052

Ion Ratio Lower Upper

73 100

43 32.1 18.9 28.3#

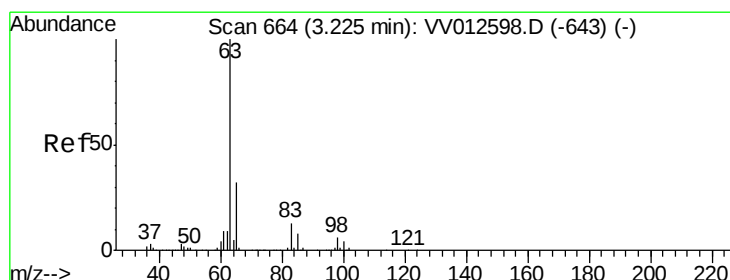
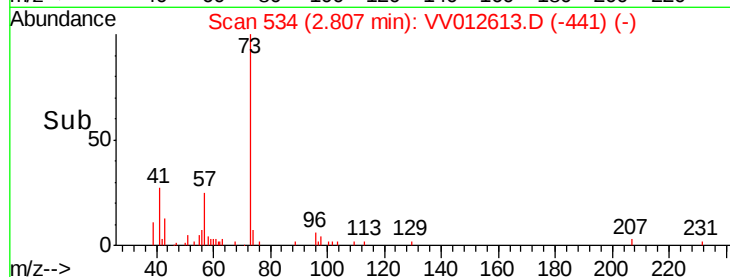
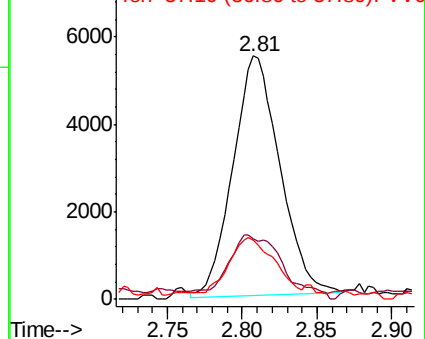
57 27.9 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV012598.D (-518) (-)

Ion 43.05 (42.75 to 43.75): VV012598.D (-518) (-)

Ion 57.10 (56.80 to 57.80): VV012598.D (-518) (-)



#19

1,1-Dichloroethane

Concen: 2.670 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

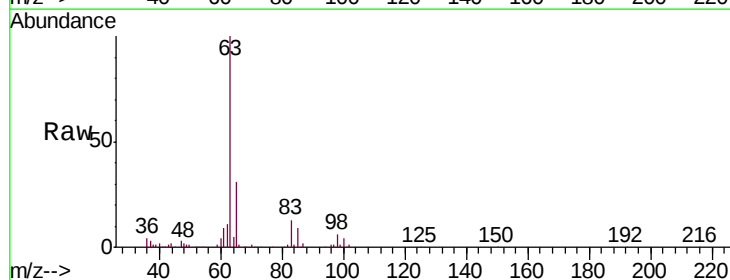
Tgt Ion: 63 Resp: 67308

Ion Ratio Lower Upper

63 100

65 31.1 20.9 38.9

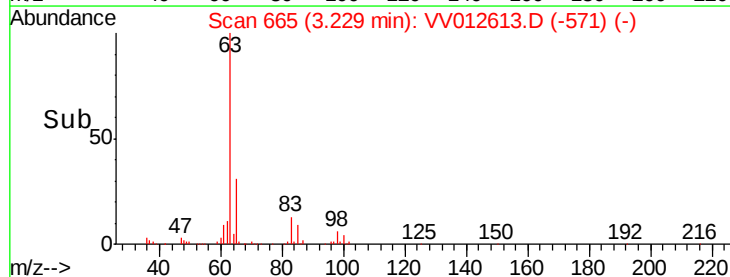
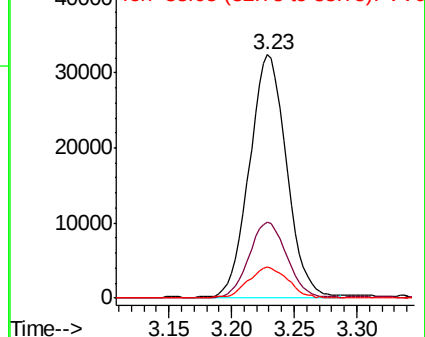
83 12.6 8.8 16.3

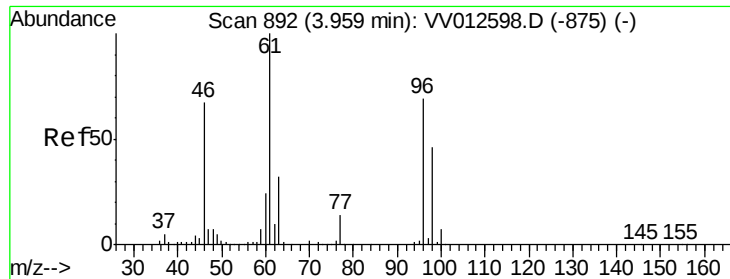


Abundance Ion 63.10 (62.80 to 63.80): VV012598.D (-643) (-)

Ion 65.10 (64.80 to 65.80): VV012598.D (-643) (-)

Ion 83.05 (82.75 to 83.75): VV012598.D (-643) (-)



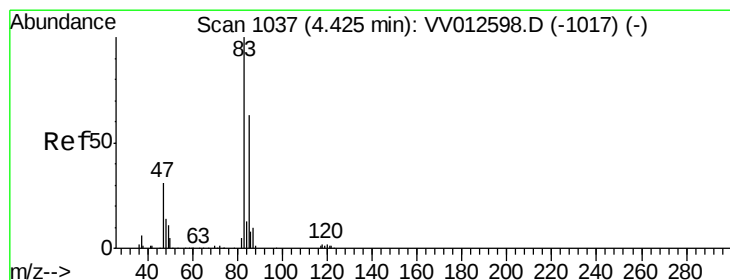
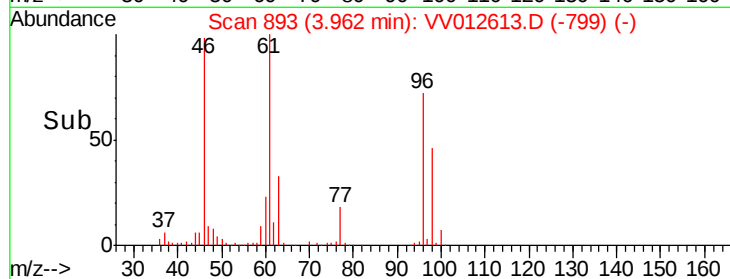
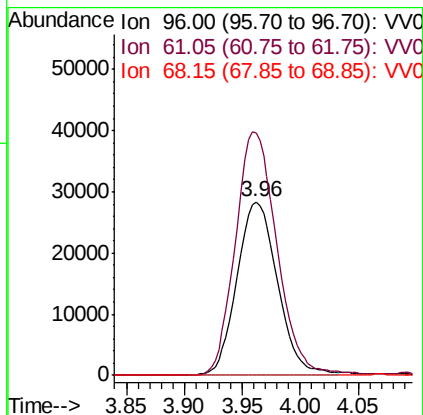
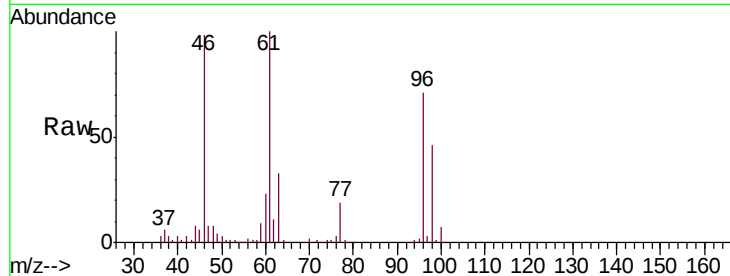


#22

cis-1,2-Dichloroethene
 Concen: 5.328 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012613.D
 Acq: 06 Sep 2019 22:13

Instrument :
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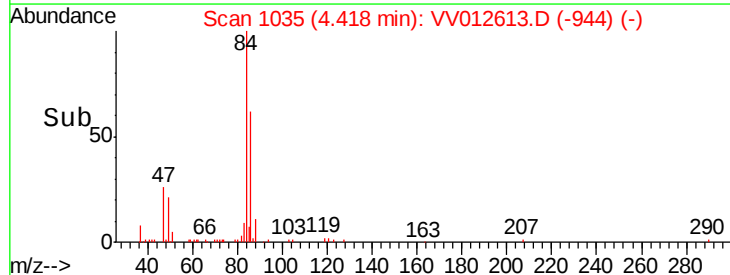
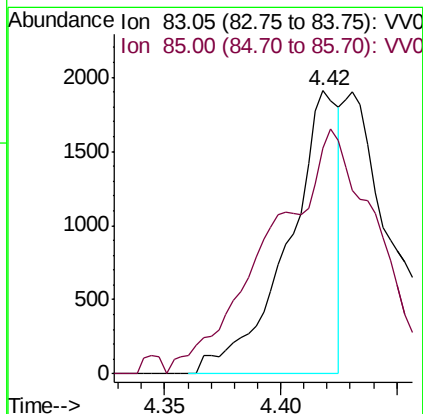
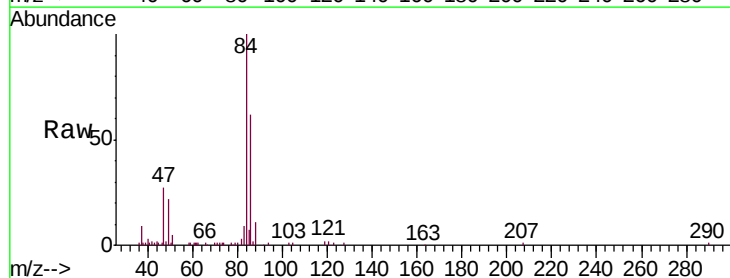
Tgt Ion: 96 Resp: 69117
 Ion Ratio Lower Upper
 96 100
 61 140.2 93.9 174.5
 68 0.0 0.0 0.0

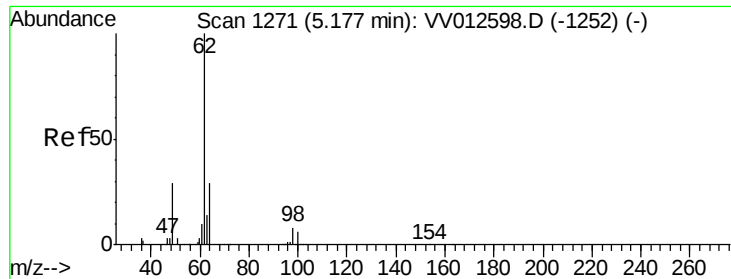


#25

Chloroform
 Concen: 0.106 ug/L
 RT: 4.42 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: VV012613.D
 Acq: 06 Sep 2019 22:13

Tgt Ion: 83 Resp: 2880
 Ion Ratio Lower Upper
 83 100
 85 79.7 44.4 82.5

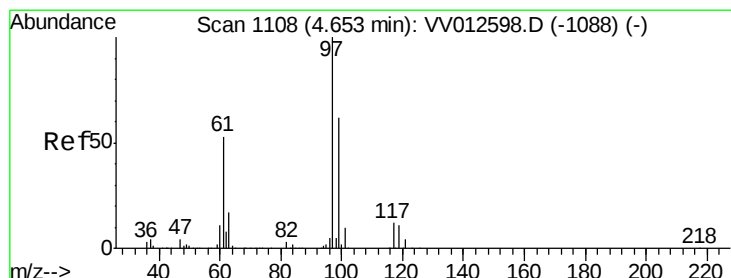
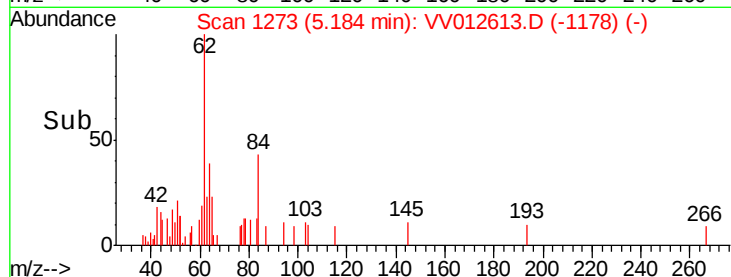
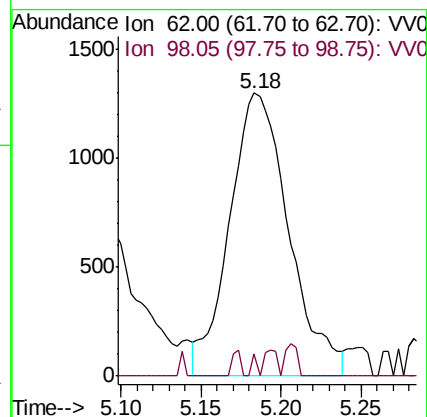
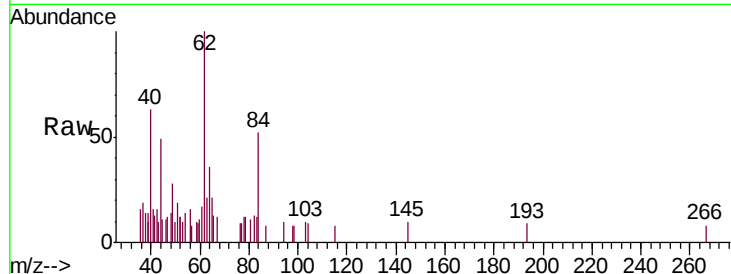




#27
 1,2-Dichloroethane
 Concen: 0.203 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV012613.D
 Acq: 06 Sep 2019 22:13

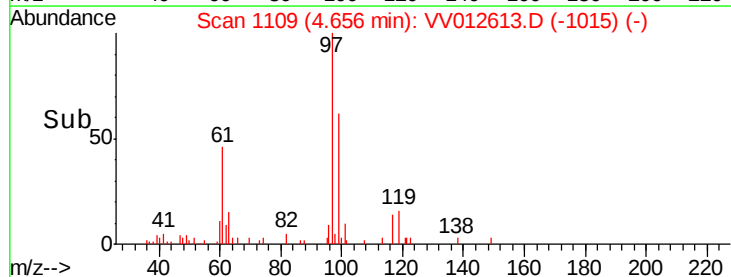
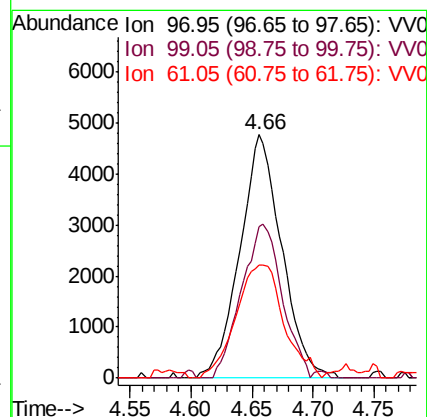
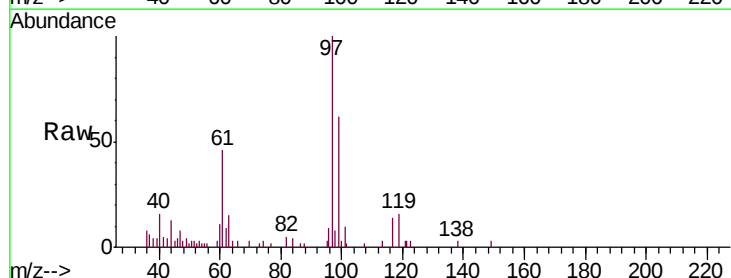
Instrument :
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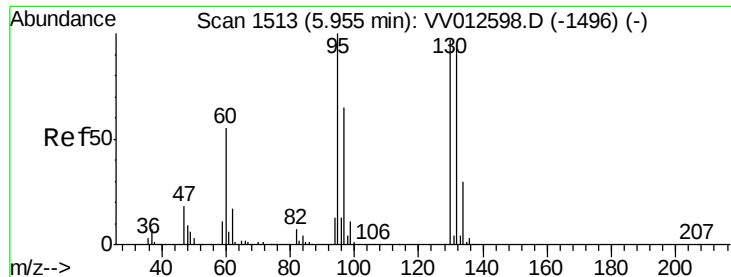
Tgt Ion: 62 Resp: 3298
 Ion Ratio Lower Upper
 62 100
 98 7.9 7.0 10.4



#29
 1,1,1-Trichloroethane
 Concen: 0.542 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012613.D
 Acq: 06 Sep 2019 22:13

Tgt Ion: 97 Resp: 11324
 Ion Ratio Lower Upper
 97 100
 99 61.3 51.8 77.6
 61 53.2 43.4 65.0





#34

Trichloroethene

Concen: 34.012 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Instrument :

MSVOA_V

ClientSampleId :

BFD95

Tgt Ion: 95 Resp: 487401

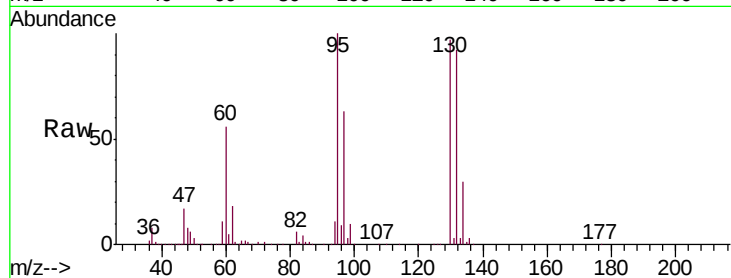
Ion Ratio Lower Upper

95 100

97 63.3 43.9 81.5

132 92.4 64.8 120.4

130 96.7 67.1 124.7

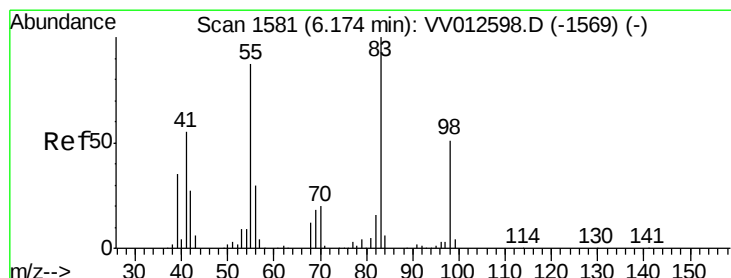
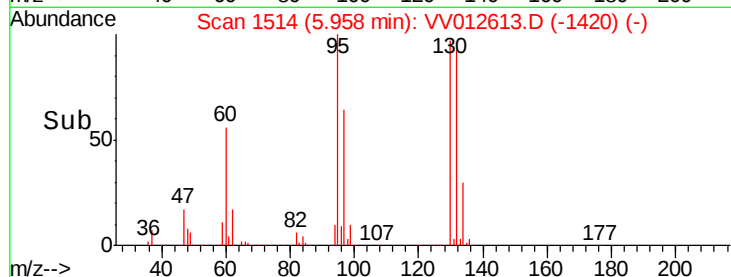
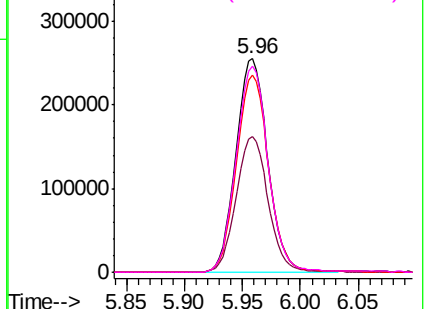


Abundance Ion 95.00 (94.70 to 95.70): VV012598.D (-1496) (-)

Ion 96.95 (96.65 to 97.65): VV012598.D (-1496) (-)

Ion 131.95 (131.65 to 132.65): VV012598.D (-1496) (-)

Ion 129.95 (129.65 to 130.65): VV012598.D (-1496) (-)



#35

Methylcyclohexane

Concen: 0.704 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

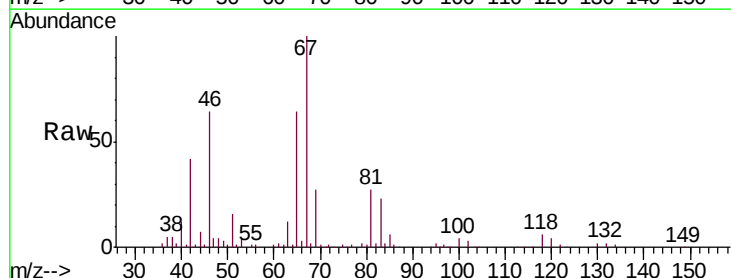
Tgt Ion: 83 Resp: 15072

Ion Ratio Lower Upper

83 100

55 1.6 69.0 103.6#

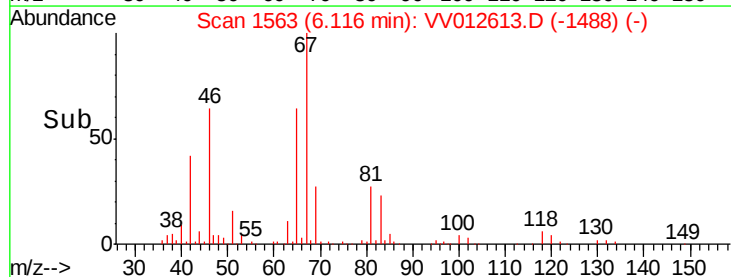
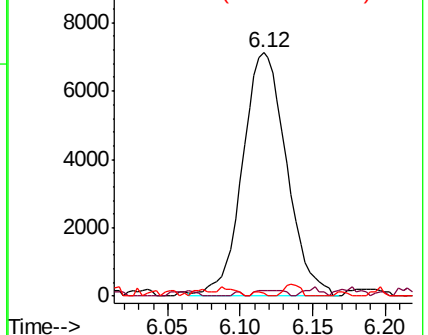
98 0.0 38.0 57.0#

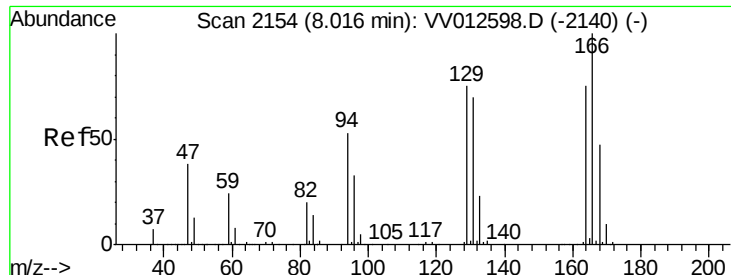


Abundance Ion 83.15 (82.85 to 83.85): VV012598.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012598.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012598.D (-1569) (-)





#47

Tetrachloroethene

Concen: 17.828 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Instrument :
MSVOA_V
ClientSampleId :
BFD95

Tgt Ion:164 Resp: 186233

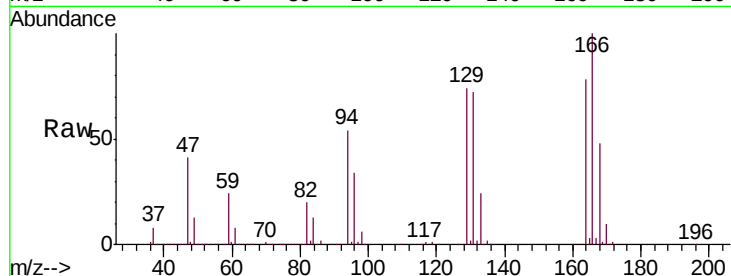
Ion Ratio Lower Upper

164 100

129 94.2 65.0 120.6

131 92.1 62.0 115.2

166 127.5 87.0 161.6

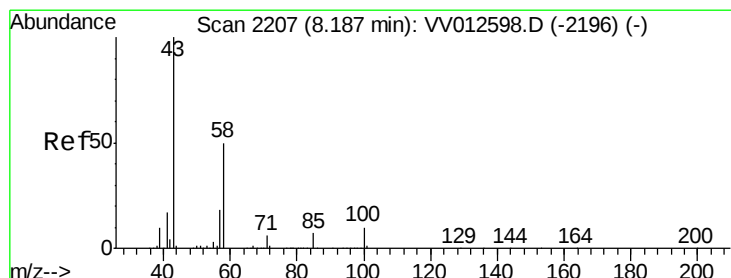
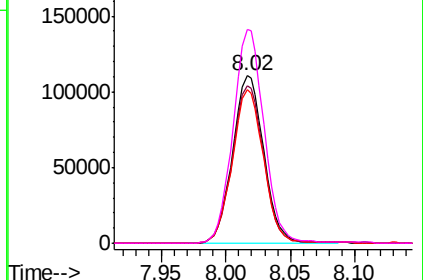
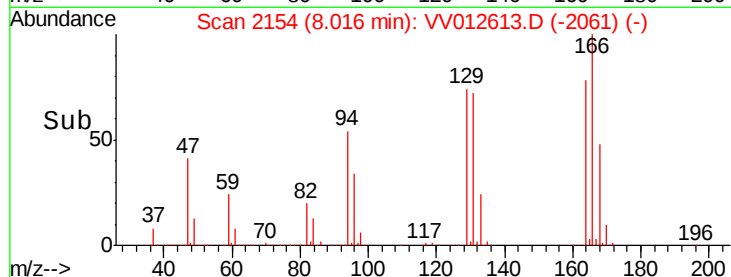


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.148 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Tgt Ion: 43 Resp: 12182

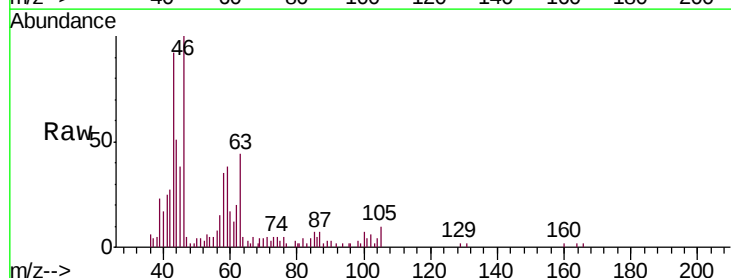
Ion Ratio Lower Upper

43 100

58 45.9 39.3 58.9

57 10.4 12.9 19.3#

100 3.0 8.0 12.0#

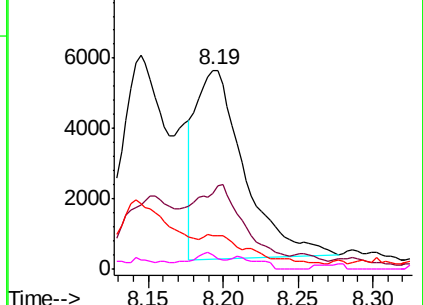
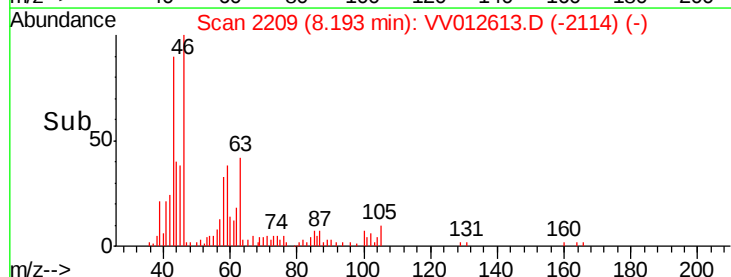


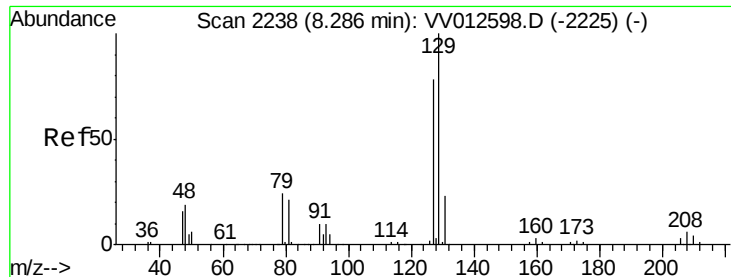
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 16.346 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

Instrument :

MSVOA_V

ClientSampleId :

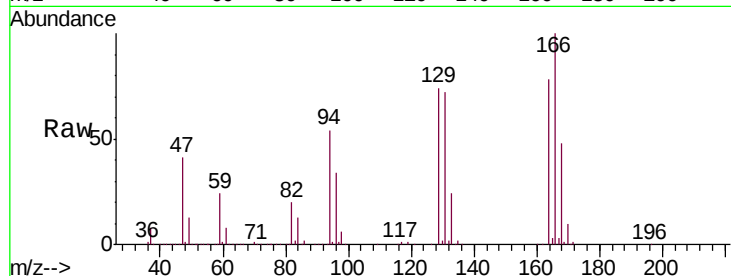
BFD95

Tgt Ion:129 Resp: 169342

Ion Ratio Lower Upper

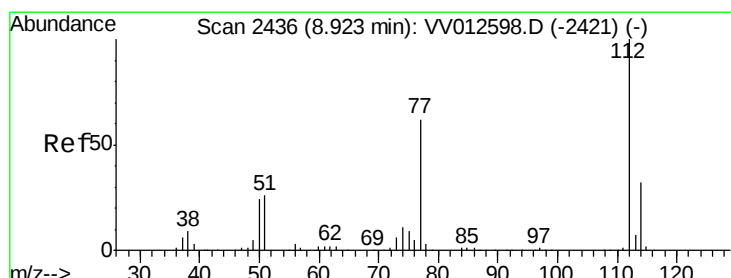
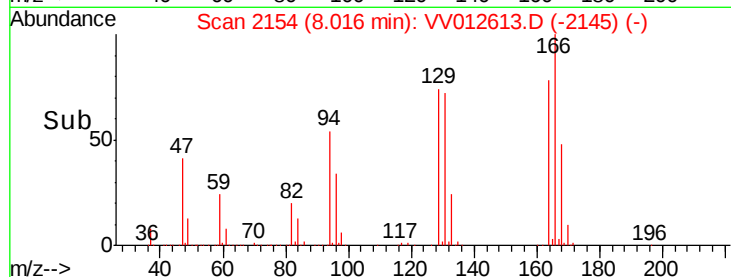
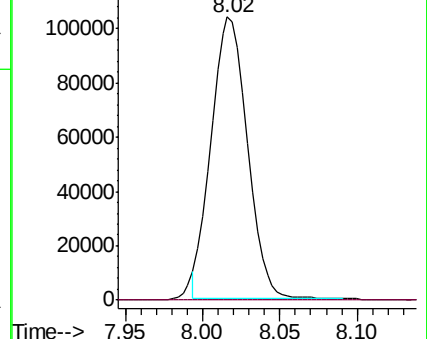
129 100

127 0.0 53.0 98.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 0.578 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV012613.D

Acq: 06 Sep 2019 22:13

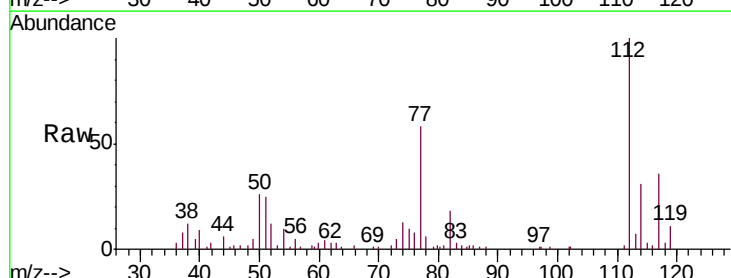
Tgt Ion:112 Resp: 19951

Ion Ratio Lower Upper

112 100

114 30.5 22.7 42.3

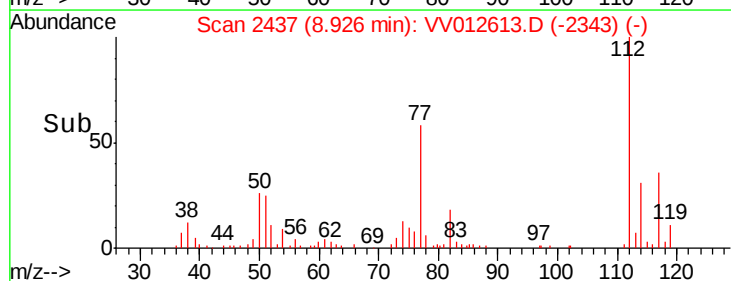
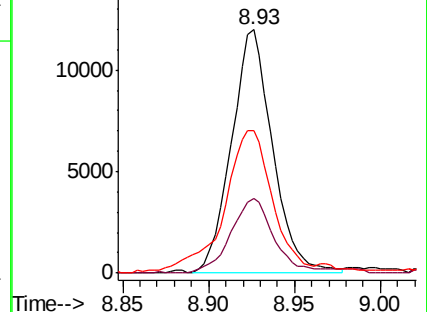
77 58.4 51.7 77.5

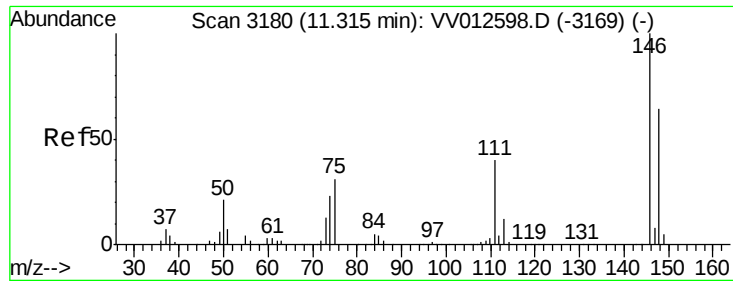


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

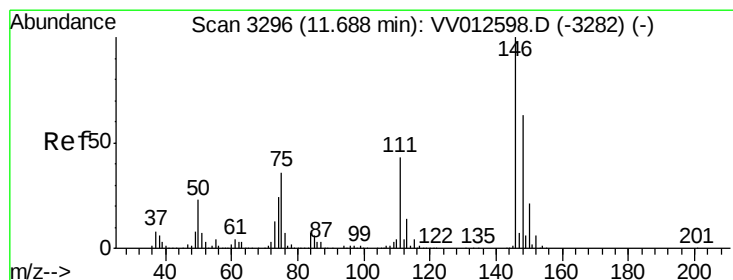
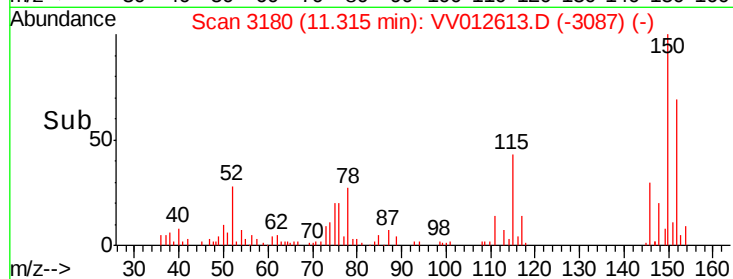
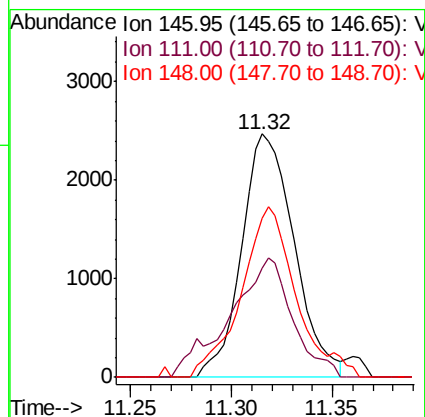
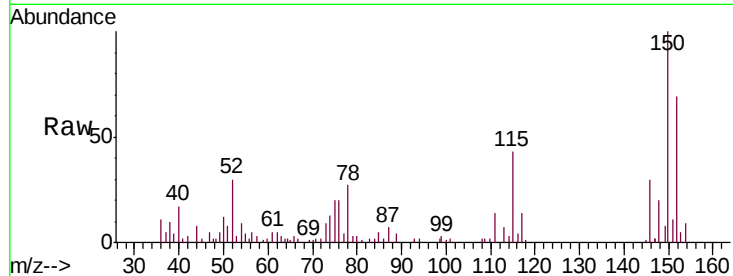




#63
 1,4-Dichlorobenzene
 Concen: 0.251 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012613.D
 Acq: 06 Sep 2019 22:13

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD95

Tgt Ion:146 Resp: 4506
 Ion Ratio Lower Upper
 146 100
 111 44.7 27.5 51.1
 148 65.5 44.8 83.2



#65
 1,2-Dichlorobenzene
 Concen: 0.130 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012613.D
 Acq: 06 Sep 2019 22:13

Tgt Ion:146 Resp: 2162
 Ion Ratio Lower Upper
 146 100
 111 53.7 33.1 49.7#
 148 74.6 52.2 78.4

