

Data File : VV012536.D
Acq On : 02 Sep 2019 18:43
Operator : SY/MD
Sample : K4607-09
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD65

Quant Time: Sep 03 05:49:20 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	150971	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	146826	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	60015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68397	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.58	69	66468	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.13	63	145860	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	3.96	46	140969	50.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.90%
24) Chloroform-d	4.40	84	106158	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	56360	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.10	84	200671	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	65919	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.36	98	171855	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.67	79	21119	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.14	63	82938	46.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43988	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	56245	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1765	0.083	ug/L #	52
12) 1,1-Dichloroethene	2.14	96	57652	2.952	ug/L #	77
13) Acetone	2.22	43	12209	3.079	ug/L	95
14) Carbon disulfide	2.32	76	27311	0.435	ug/L #	93
19) 1,1-Dichloroethane	3.23	63	6528	0.217	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	81477	5.049	ug/L	99
25) Chloroform	4.42	83	7729	0.245	ug/L	84
27) 1,2-Dichloroethane	5.18	62	1984	0.108	ug/L #	76
29) 1,1,1-Trichloroethane	4.66	97	12795	0.526	ug/L	98
34) Trichloroethene	5.96	95	516085	30.897	ug/L	99
35) Methylcyclohexane	6.12	83	15677	0.618	ug/L #	17
42) Toluene	7.43	91	4269	0.065	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	1031	0.062	ug/L #	76
45) 1,1,2-Trichloroethane	7.89	97	965	0.095	ug/L #	72
47) Tetrachloroethene	8.02	164	539345	44.686	ug/L	96
48) 2-Hexanone	8.19	43	13779	2.098	ug/L #	87
49) Dibromochloromethane	8.02	129	496577	41.819	ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090219\
Quantitation Report (Not Reviewed)

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ALS Vial : 23 Sample Multiplier: 1

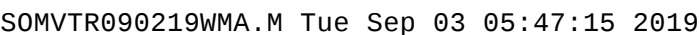
Instrument :
MSVOA_V
ClientSampleId :
BFD65

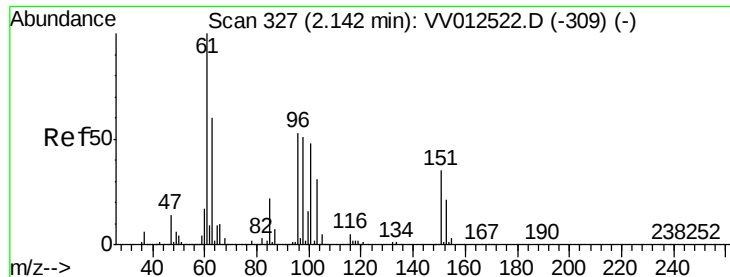
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 05:44:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,4-Dichlorobenzene	11.32	146	1830	0.069	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	1636	0.085	ug/L #	87
68) 1,2,4-trichlorobenzene	13.32	180	2170	0.157	ug/L	96
69) Naphthalene	13.55	128	9736	0.476	ug/L	95
70) 1,2,3-Trichlorobenzene	13.79	180	2543	0.204	ug/L	92

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

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QLast Update : Tue Sep 03 05:44:01 2019
Response via : Initial Calibration





#10

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

Concen: 0.083 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

BFD65

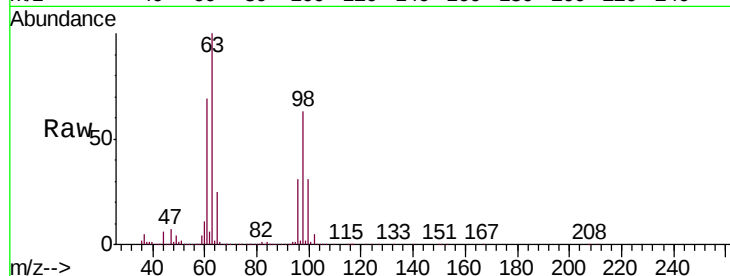
Tgt Ion: 101 Resp: 1765

Ion Ratio Lower Upper

101 100

85 29.8 37.4 56.0#

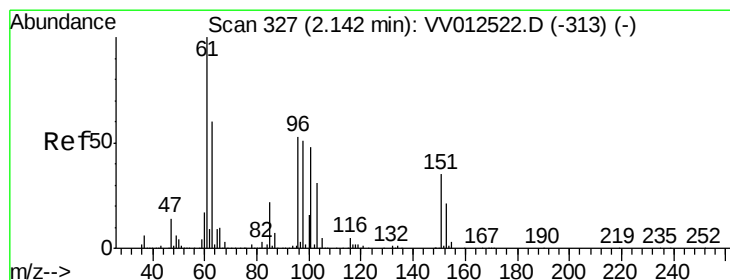
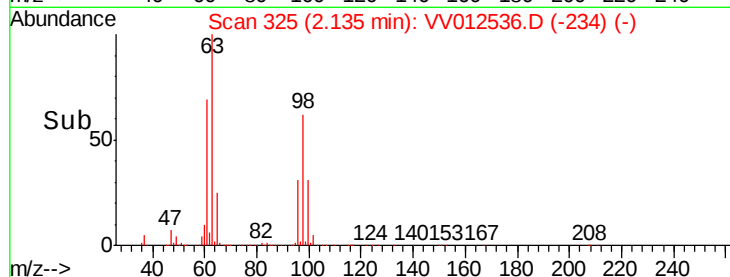
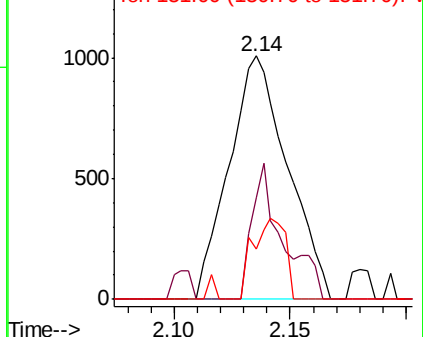
151 18.4 56.7 85.1#



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



#12

1,1-Dichloroethene

Concen: 2.952 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

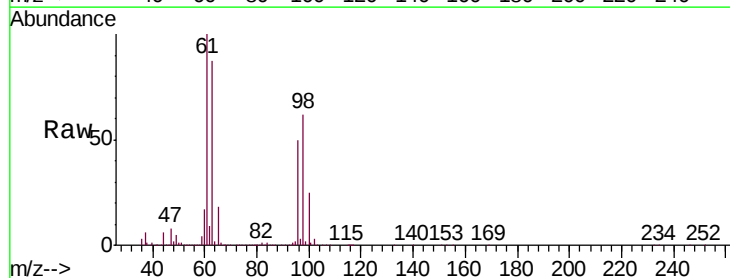
Tgt Ion: 96 Resp: 57652

Ion Ratio Lower Upper

96 100

61 200.1 133.7 248.3

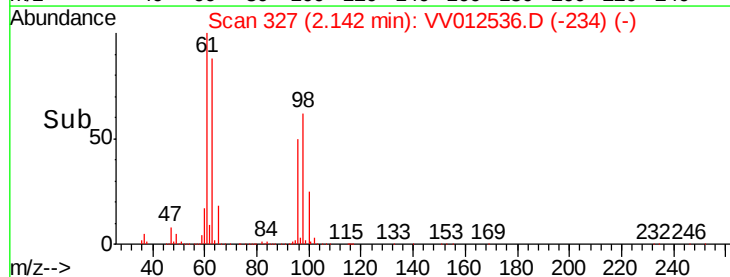
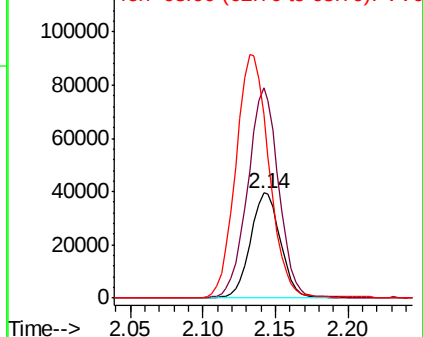
63 175.0 83.2 154.6#

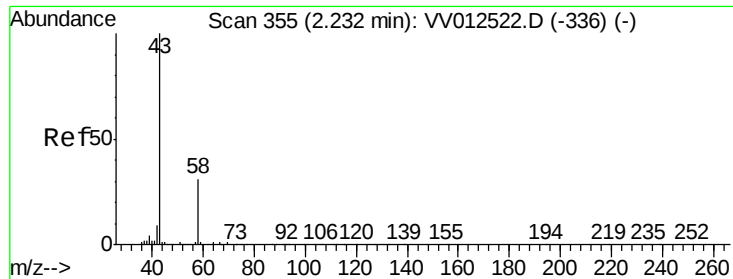


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.079 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

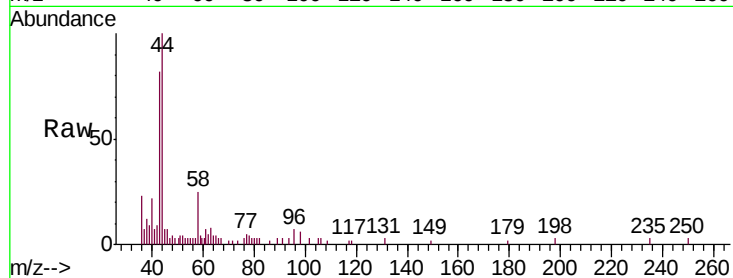
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Tgt Ion: 43 Resp: 12209

Ion Ratio Lower Upper

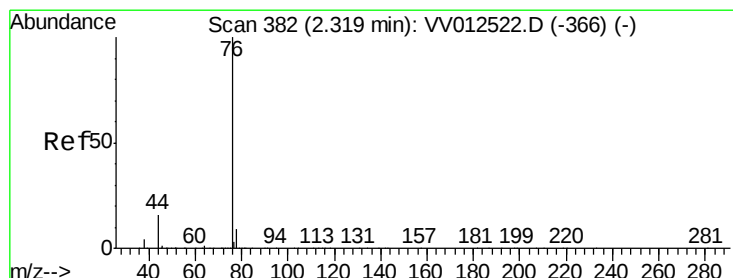
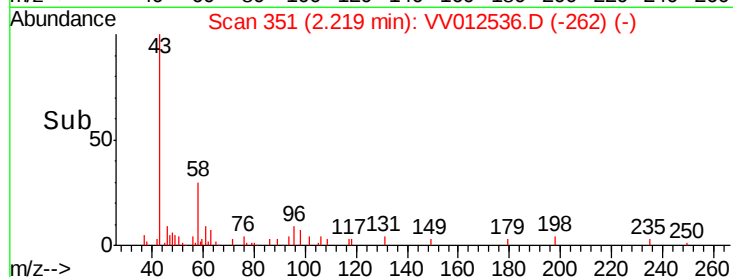
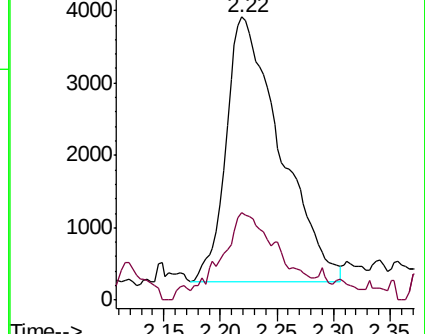
43 100

58 31.6 0.0 58.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.435 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012536.D

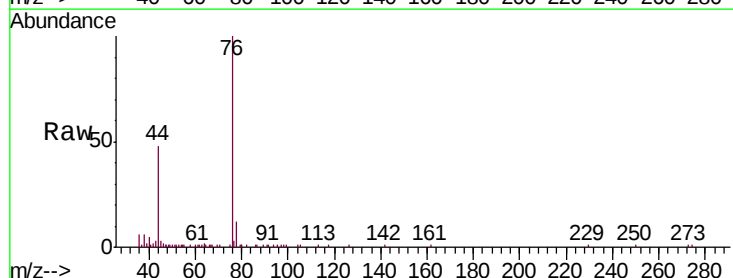
Acq: 02 Sep 2019 18:43

Tgt Ion: 76 Resp: 27311

Ion Ratio Lower Upper

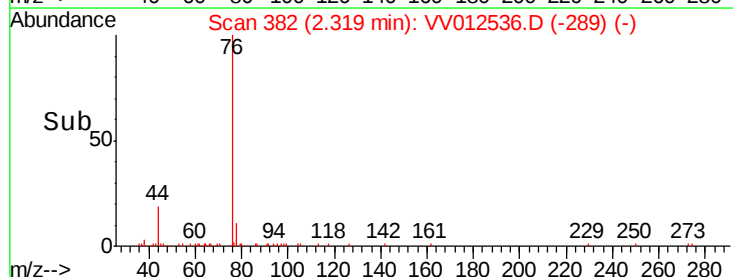
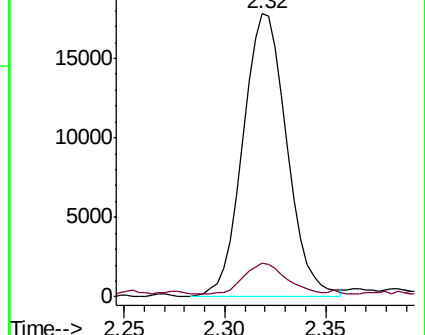
76 100

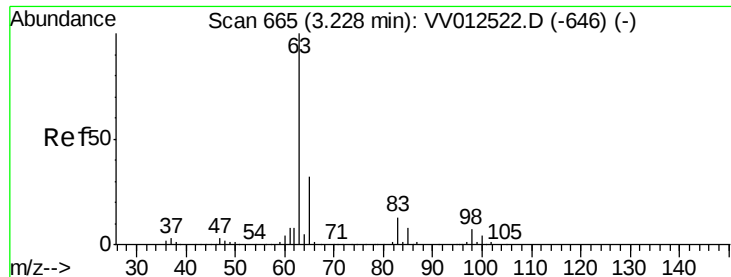
78 11.7 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

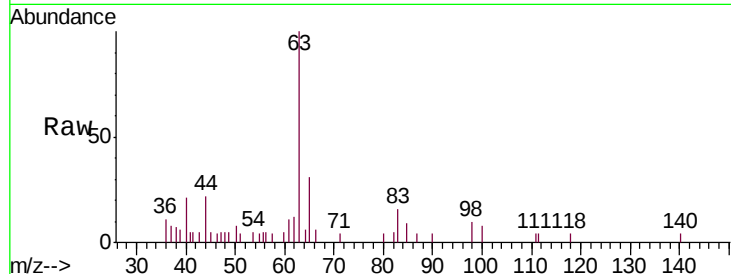




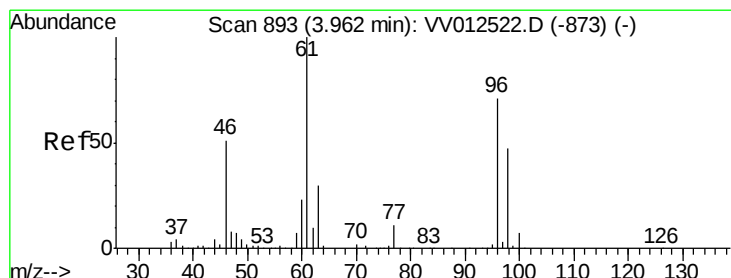
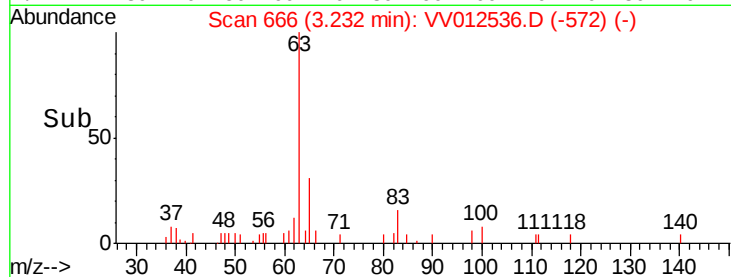
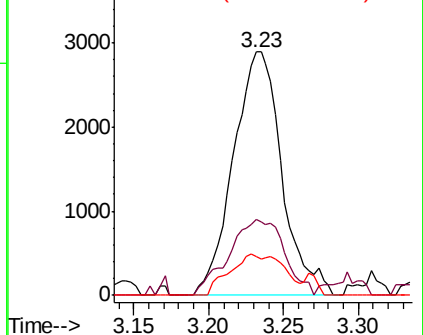
#19
 1,1-Dichloroethane
 Concen: 0.217 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012536.D
 Acq: 02 Sep 2019 18:43

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD65

Tgt Ion: 63 Resp: 6528
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.5 39.9
 83 15.8 9.1 16.9

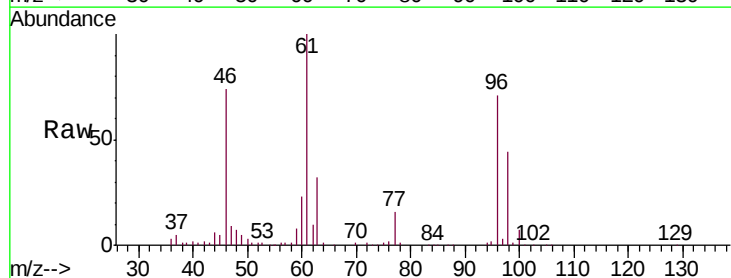


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

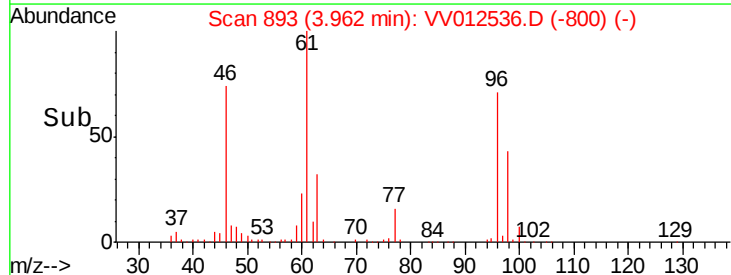
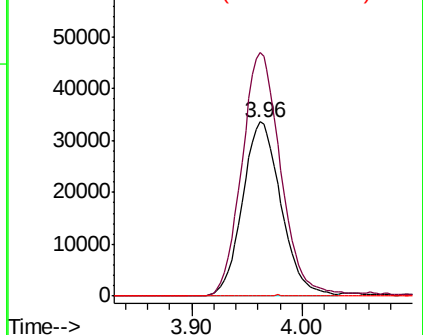


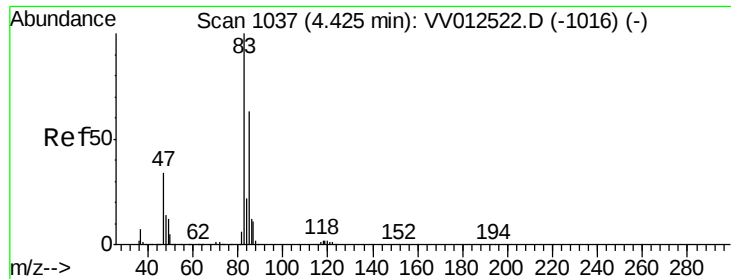
#22
 cis-1,2-Dichloroethene
 Concen: 5.049 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012536.D
 Acq: 02 Sep 2019 18:43

Tgt Ion: 96 Resp: 81477
 Ion Ratio Lower Upper
 96 100
 61 140.0 97.5 181.1
 68 0.0 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

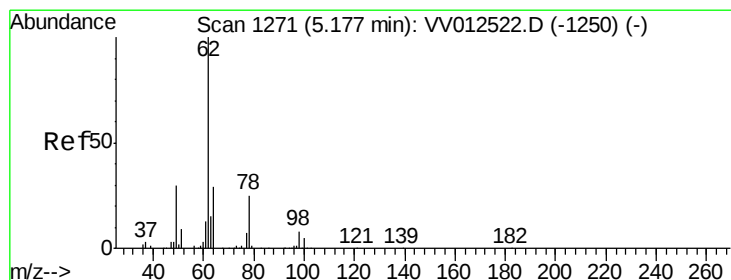
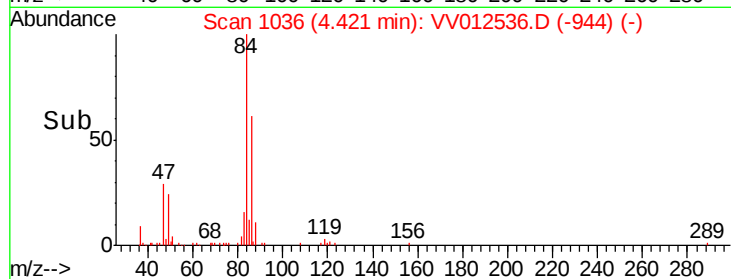
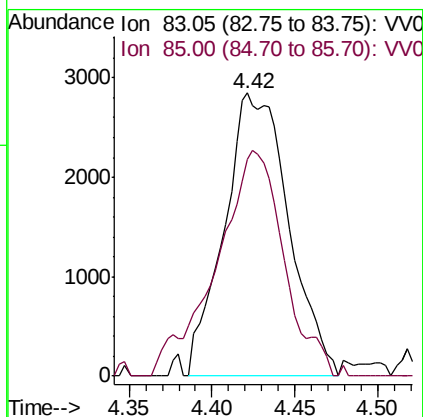
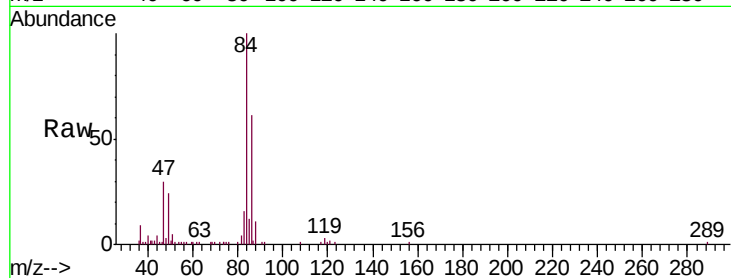




#25
Chloroform
Concen: 0.245 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012536.D
Acq: 02 Sep 2019 18:43

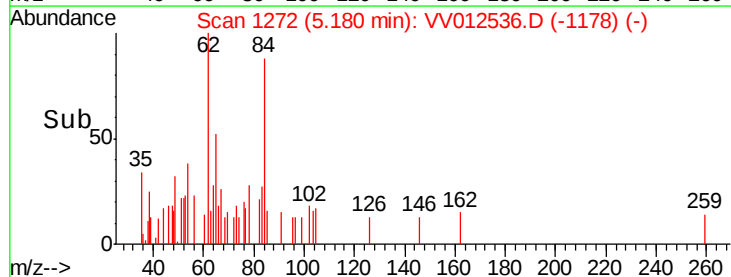
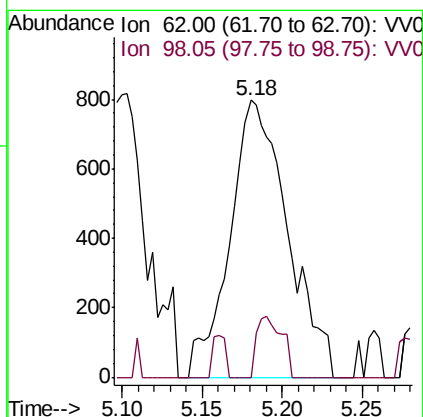
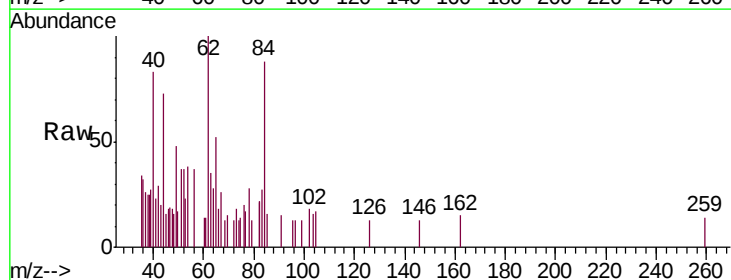
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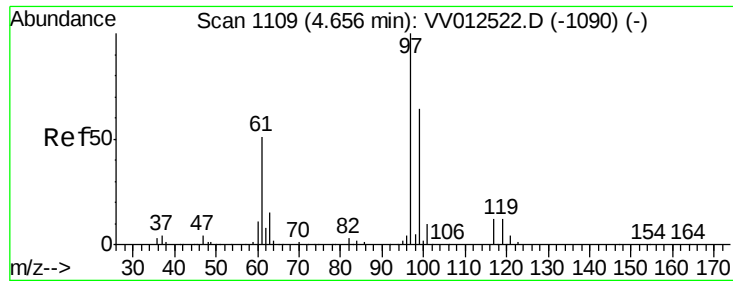
Tgt Ion: 83 Resp: 7729
Ion Ratio Lower Upper
83 100
85 76.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.108 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012536.D
Acq: 02 Sep 2019 18:43

Tgt Ion: 62 Resp: 1984
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

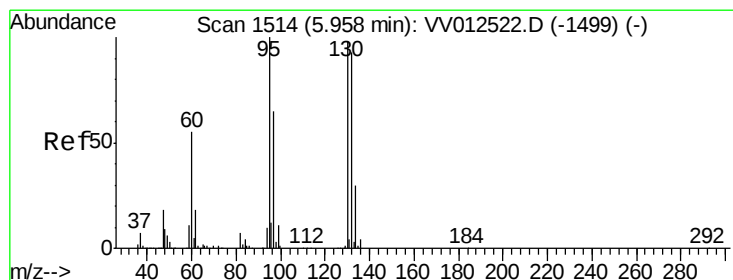
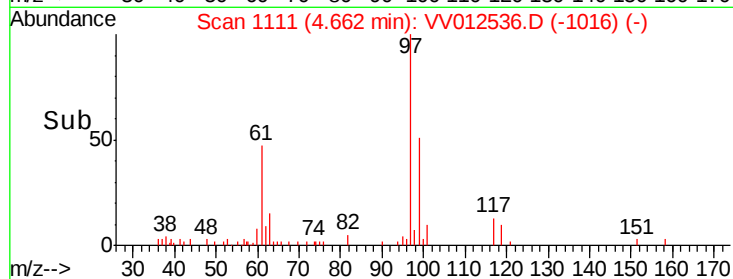
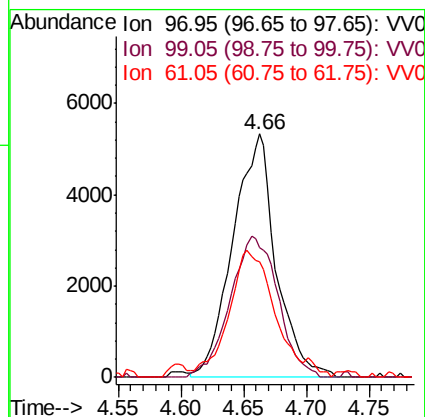
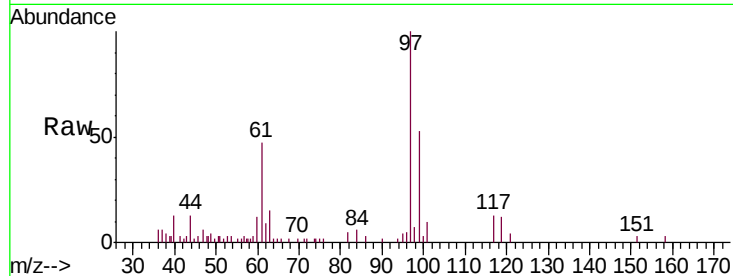




#29
 1,1,1-Trichloroethane
 Concen: 0.526 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VV012536.D
 Acq: 02 Sep 2019 18:43

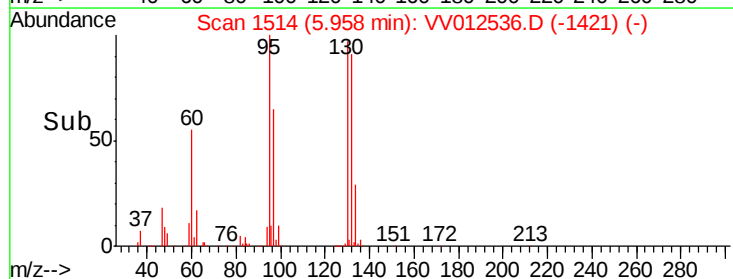
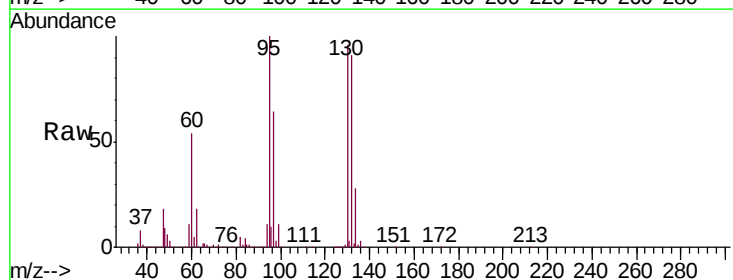
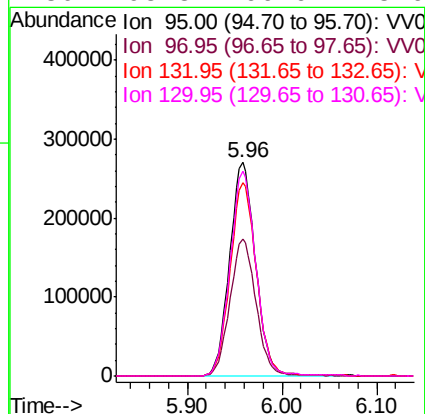
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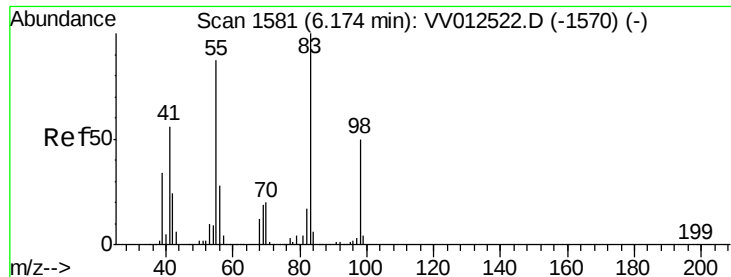
Tgt Ion: 97 Resp: 12795
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.6 79.0
 61 56.4 43.4 65.2



#34
 Trichloroethene
 Concen: 30.897 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012536.D
 Acq: 02 Sep 2019 18:43

Tgt Ion: 95 Resp: 516085
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.7 83.1
 132 90.6 63.8 118.4
 130 95.8 66.6 123.6

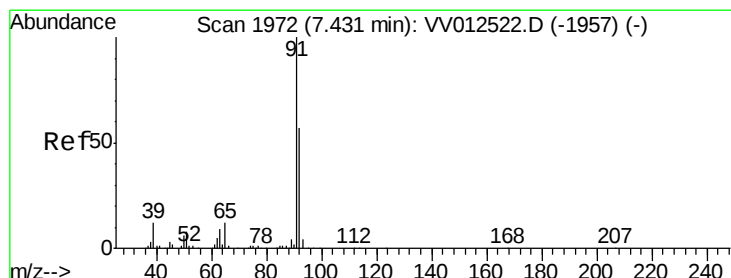
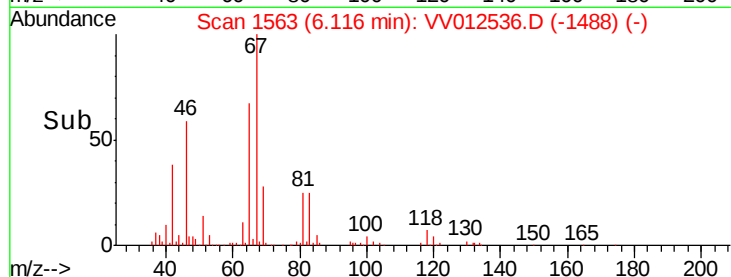
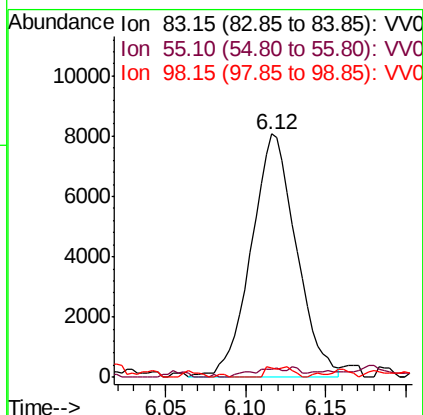
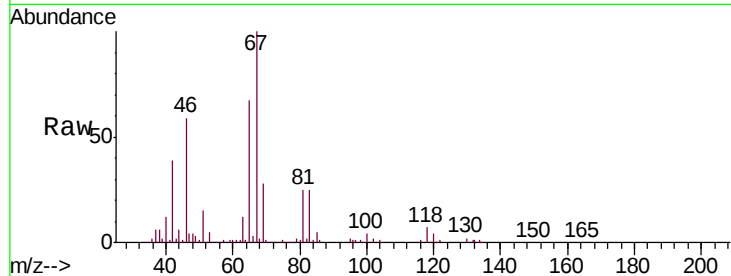




#35
Methylcyclohexane
Concen: 0.618 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012536.D
Acq: 02 Sep 2019 18:43

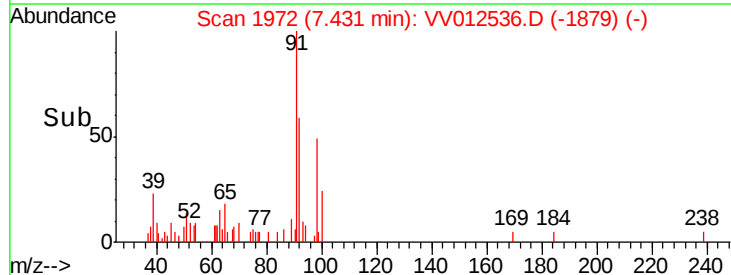
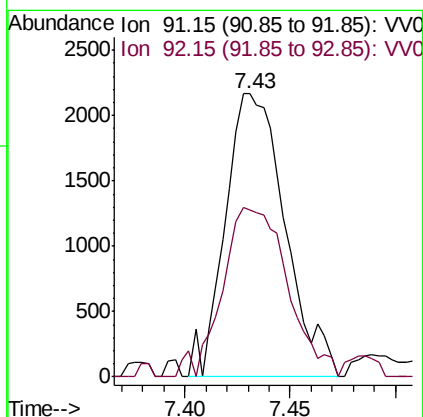
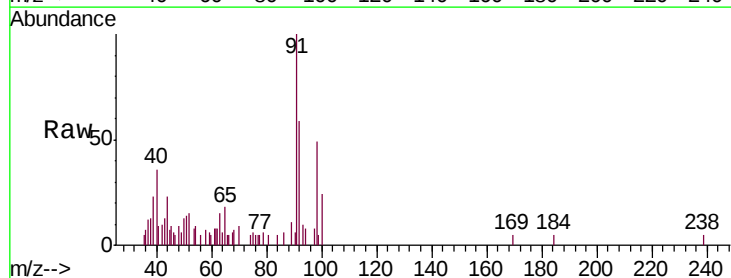
Instrument :
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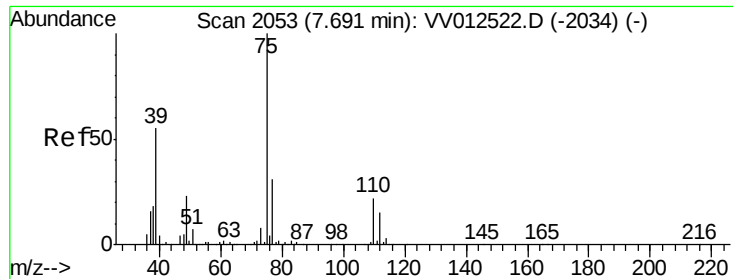
Tgt Ion: 83 Resp: 15677
Ion Ratio Lower Upper
83 100
55 2.6 67.3 100.9#
98 0.0 37.4 56.2#



#42
Toluene
Concen: 0.065 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012536.D
Acq: 02 Sep 2019 18:43

Tgt Ion: 91 Resp: 4269
Ion Ratio Lower Upper
91 100
92 58.8 39.6 73.6





#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

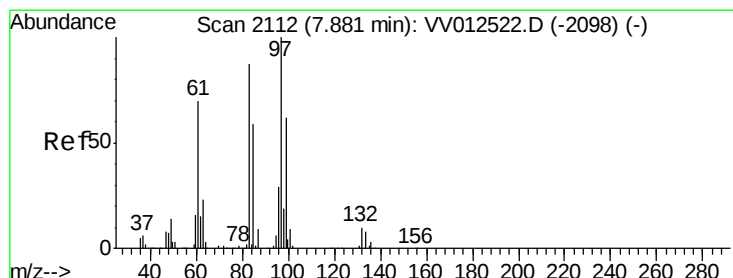
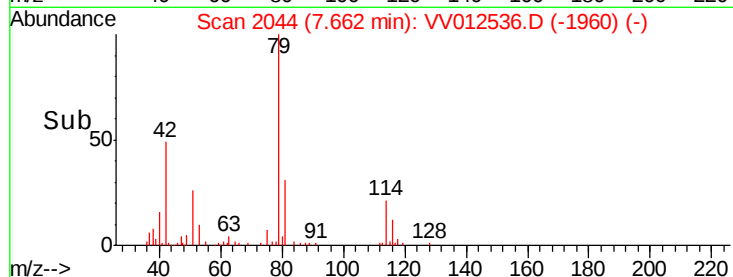
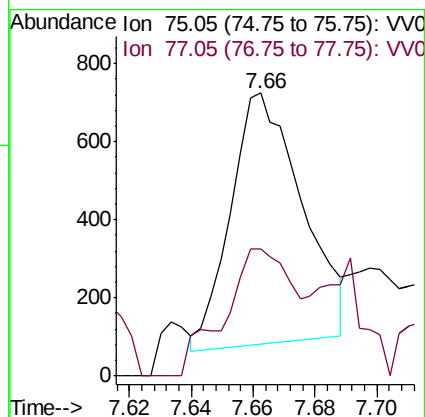
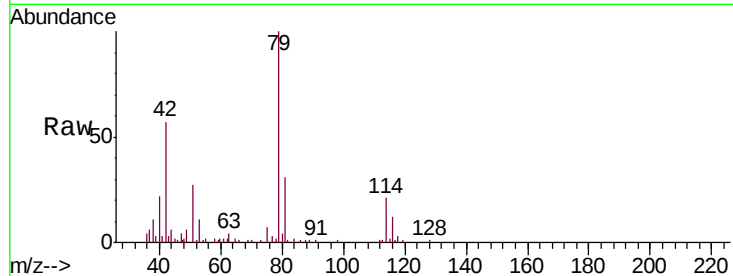
BFD65

Tgt Ion: 75 Resp: 1031

Ion Ratio Lower Upper

75 100

77 44.8 22.2 41.2#



#45

1,1,2-Trichloroethane

Concen: 0.095 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Tgt Ion: 97 Resp: 965

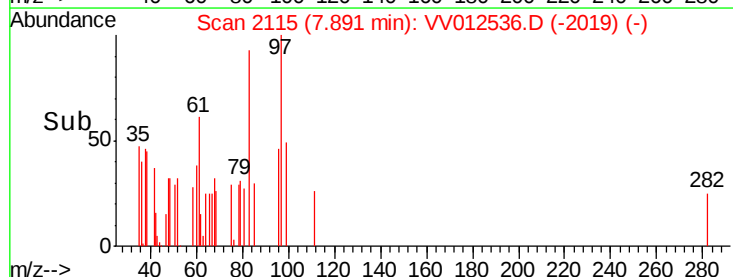
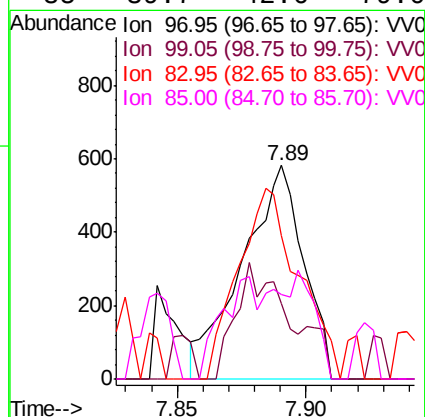
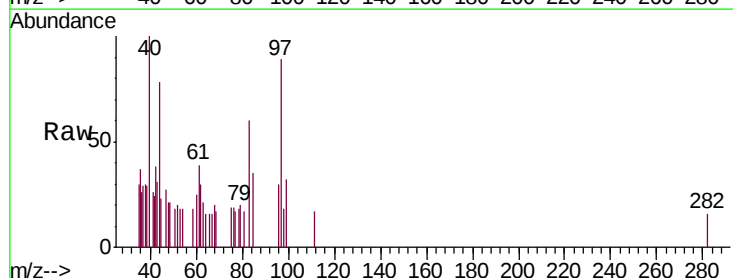
Ion Ratio Lower Upper

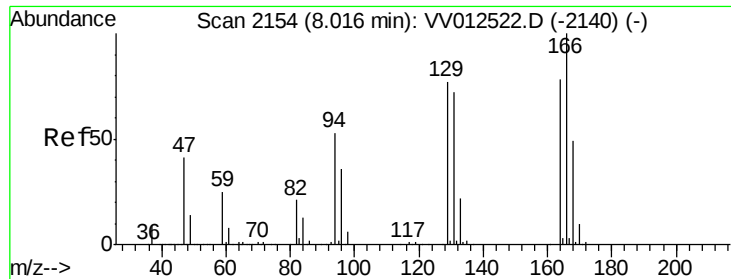
97 100

99 35.4 44.1 81.9#

83 67.2 62.7 116.5

85 39.7 42.6 79.0#

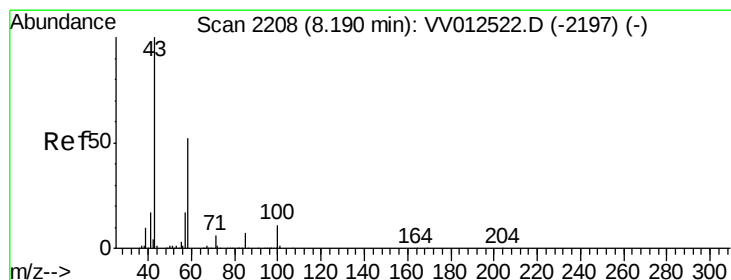
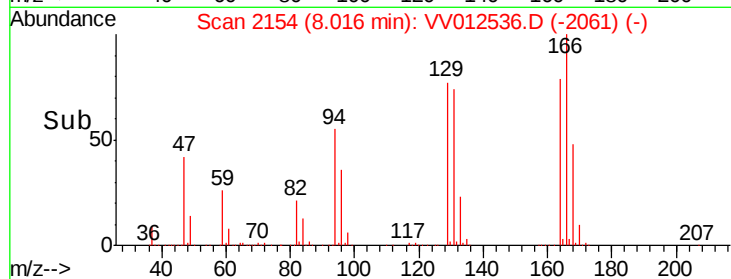
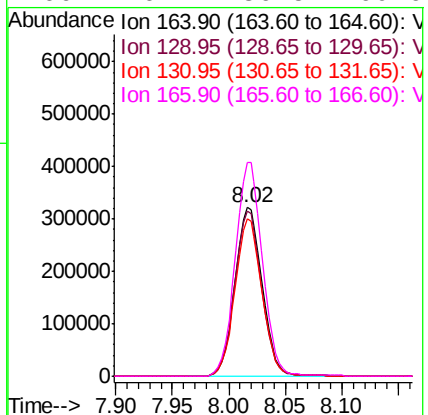
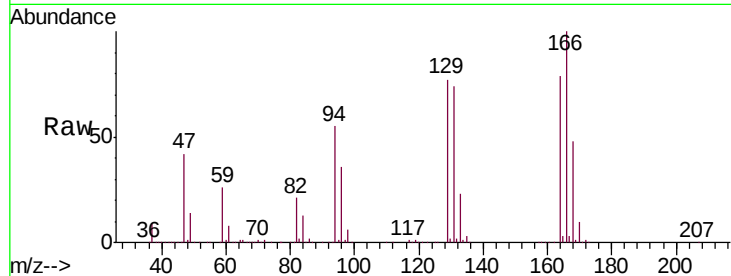




#47
Tetrachloroethene
Concen: 44.686 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012536.D
Acq: 02 Sep 2019 18:43

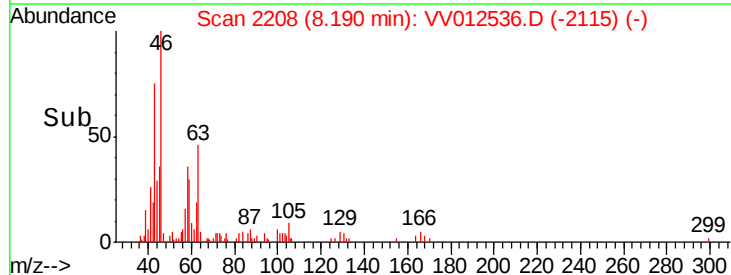
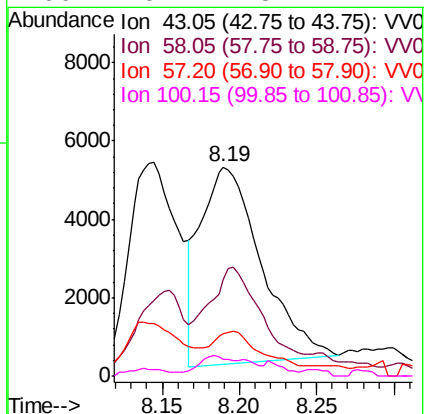
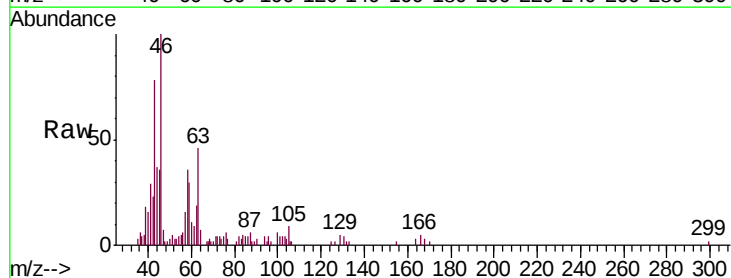
Instrument :
MSVOA_V
ClientSampleId :
BFD65

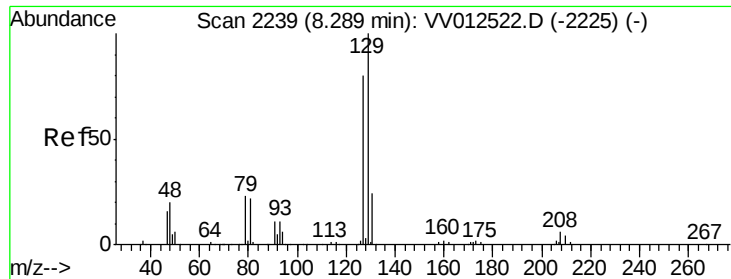
Tgt Ion:	164	Resp:	539345
Ion	Ratio	Lower	Upper
164	100		
129	98.2	64.5	119.9
131	93.4	62.3	115.7
166	126.7	86.5	160.6



#48
2-Hexanone
Concen: 2.098 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012536.D
Acq: 02 Sep 2019 18:43

Tgt Ion:	43	Resp:	13779
Ion	Ratio	Lower	Upper
43	100		
58	39.5	40.0	60.0#
57	13.6	13.4	20.2
100	6.1	8.2	12.2#





#49

Dibromochloromethane

Concen: 41.819 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

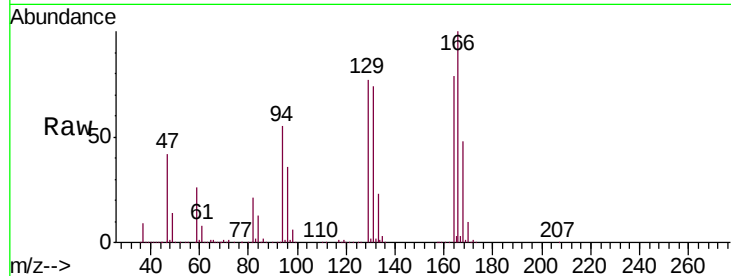
BFD65

Tgt Ion:129 Resp: 496577

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

8.02

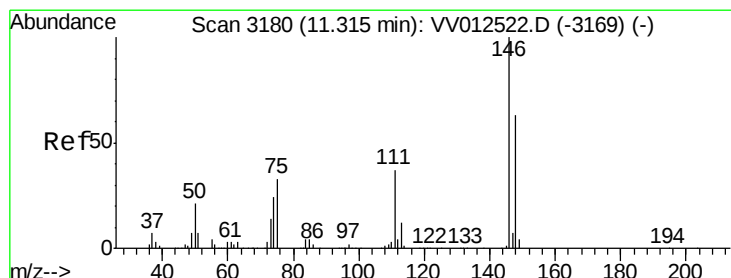
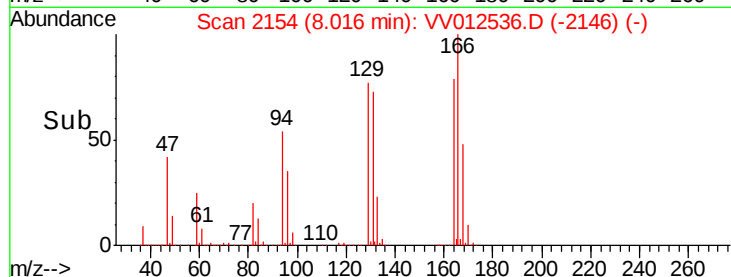
300000

200000

100000

0

Time--> 7.95 8.00 8.05 8.10



#63

1,4-Dichlorobenzene

Concen: 0.069 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

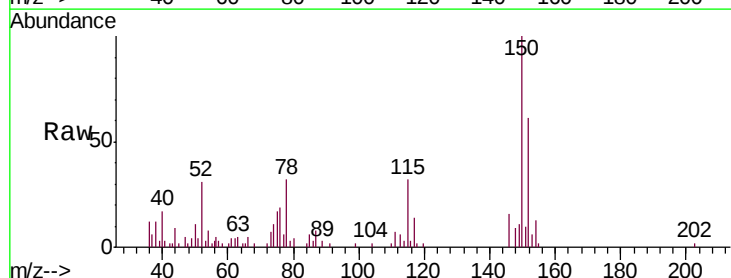
Tgt Ion:146 Resp: 1830

Ion Ratio Lower Upper

146 100

111 43.9 27.9 51.7

148 55.9 44.9 83.3



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

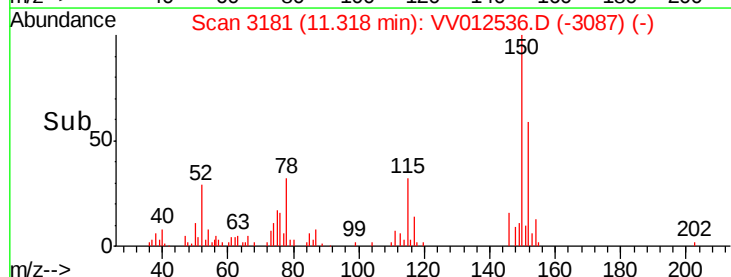
1500

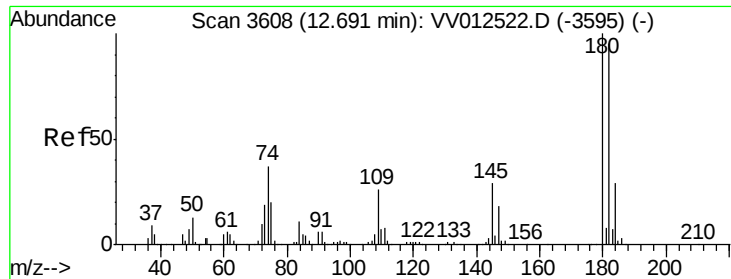
1000

500

0

Time--> 11.30 11.35

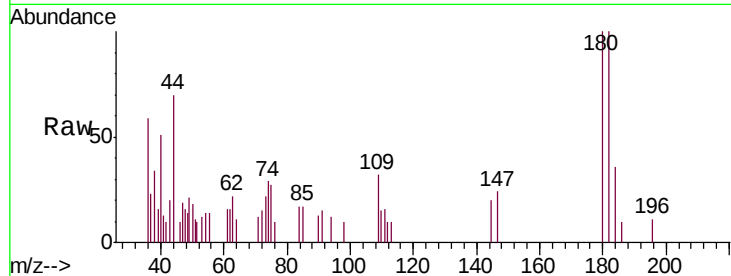




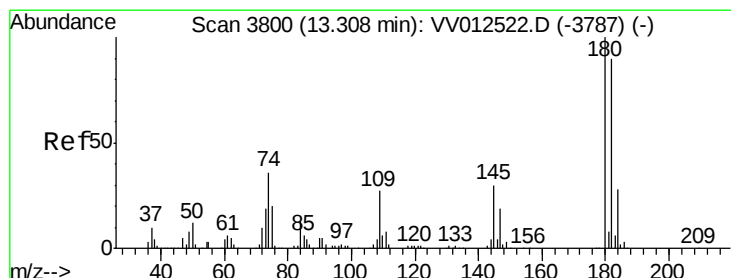
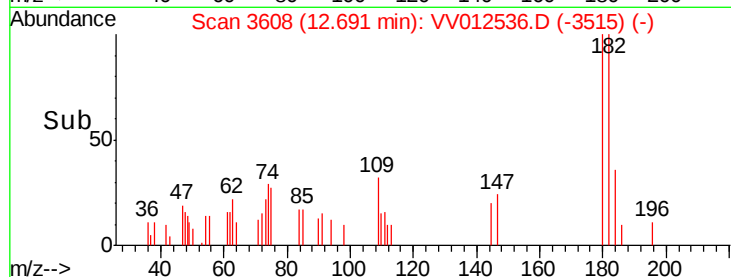
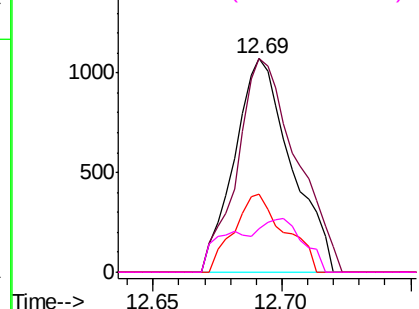
#67
 1,3,5-Trichlorobenzene
 Concen: 0.085 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012536.D
 Acq: 02 Sep 2019 18:43

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD65

Tgt Ion:180 Resp: 1636
 Ion Ratio Lower Upper
 180 100
 182 104.4 74.4 111.6
 184 32.9 23.4 35.0
 145 19.1 24.0 36.0#

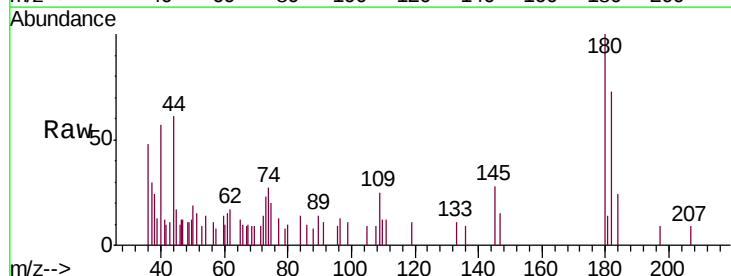


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

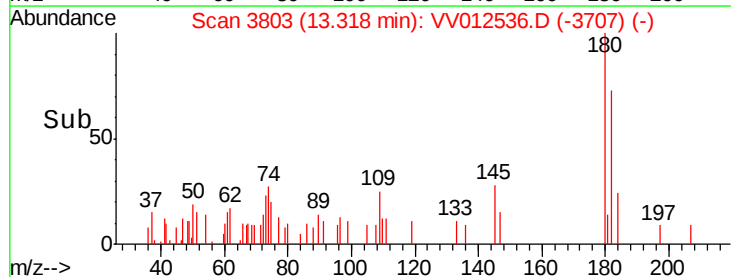
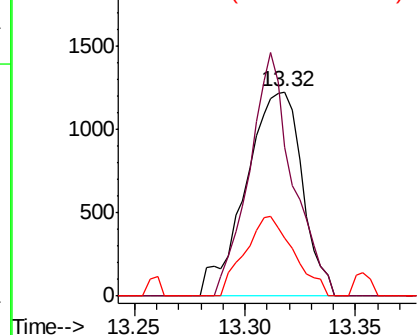


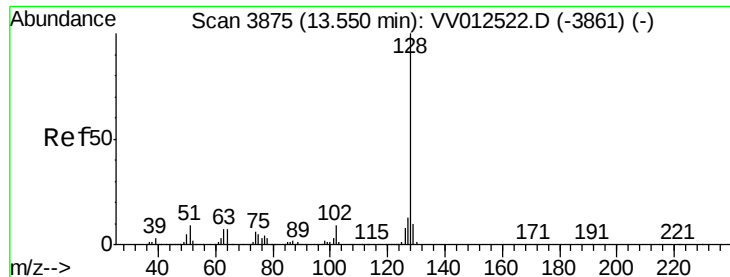
#68
 1,2,4-trichlorobenzene
 Concen: 0.157 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV012536.D
 Acq: 02 Sep 2019 18:43

Tgt Ion:180 Resp: 2170
 Ion Ratio Lower Upper
 180 100
 182 91.9 75.8 113.6
 145 33.8 23.8 35.8



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





#69

Naphthalene

Concen: 0.476 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

BFD65

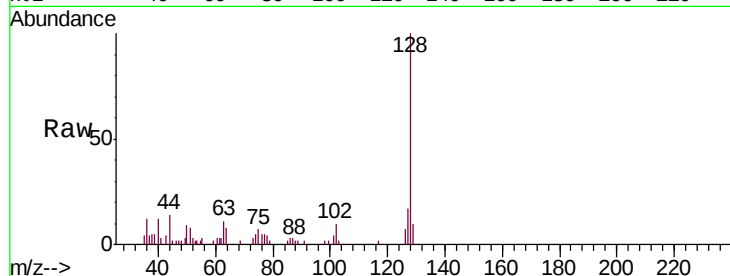
Tgt Ion:128 Resp: 9736

Ion Ratio Lower Upper

128 100

129 9.1 8.8 13.2

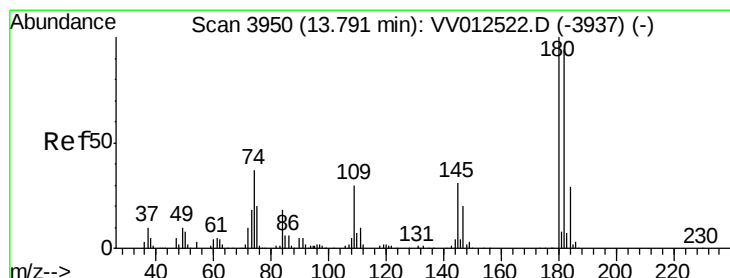
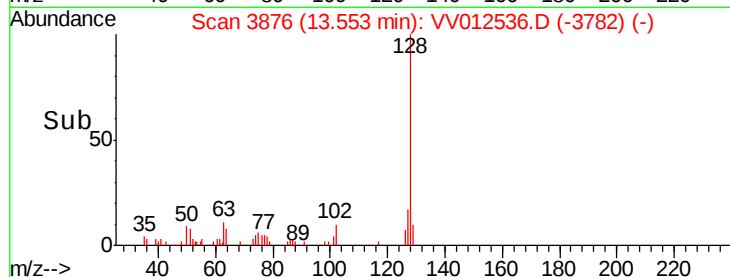
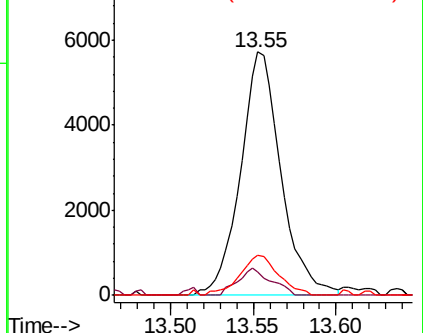
127 15.8 11.0 16.4



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



#70

1,2,3-Trichlorobenzene

Concen: 0.204 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012536.D

Acq: 02 Sep 2019 18:43

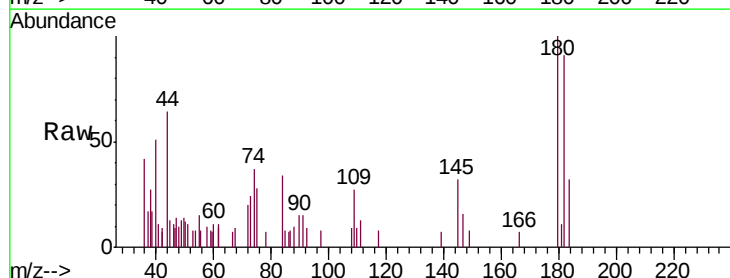
Tgt Ion:180 Resp: 2543

Ion Ratio Lower Upper

180 100

182 89.1 79.4 119.0

145 31.4 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

