

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060819\
 Data File : VV011337.D
 Acq On : 09 Jun 2019 00:30
 Operator : SY/MD
 Sample : K3276-19
 Misc : 25ML/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB8F5

Quant Time: Jun 09 00:54:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Jun 09 00:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	132914	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	120078	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	48688	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40254	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.56	69	34369	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.12	63	67452	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.95	46	110205	48.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.20%
24) Chloroform-d	4.40	84	80974	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.08	65	46603	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.09	84	165148	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.11	67	50676	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	145215	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.67	79	14915	3.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.80%
46) 2-Hexanone-d5	8.14	63	83287	46.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.48%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	33350	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	45701	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
3) Chloromethane	1.24	50	1420	0.112 ug/L	93
6) Bromomethane	1.52	94	913	0.144 ug/L	83
8) Chloroethane	1.32	64	6054	0.775 ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	800	0.093 ug/L #	27
13) Acetone	2.20	43	9767	6.425 ug/L	87
14) Carbon disulfide	2.31	76	4089	0.161 ug/L #	76
22) cis-1,2-Dichloroethene	3.96	96	2096	0.202 ug/L	76
25) Chloroform	4.42	83	16569	0.867 ug/L	90
34) Trichloroethene	5.96	95	44041	4.462 ug/L	98
35) Methylcyclohexane	6.12	83	12430	0.761 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6740	0.709 ug/L #	87
38) Bromodichloromethane	6.55	83	7984	0.679 ug/L #	98
39) cis-1,3-Dichloropropene	7.03	75	1403	0.101 ug/L #	49
48) 2-Hexanone	8.14	43	10777	2.552 ug/L #	72
49) Dibromochloromethane	8.29	129	6095	0.881 ug/L	89
61) Bromoform	9.77	173	3868	1.322 ug/L	99

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Response via : Initial Calibration

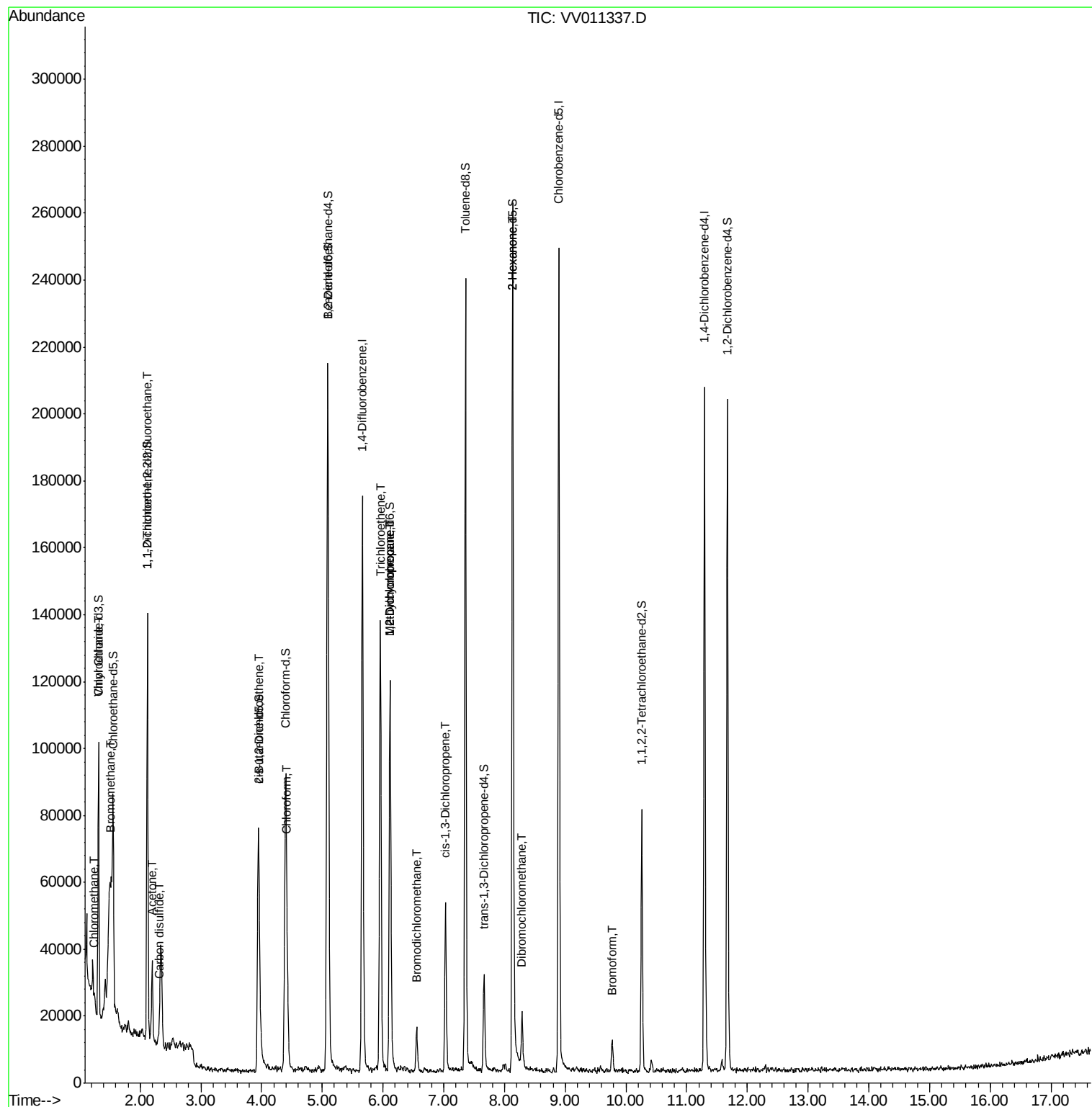
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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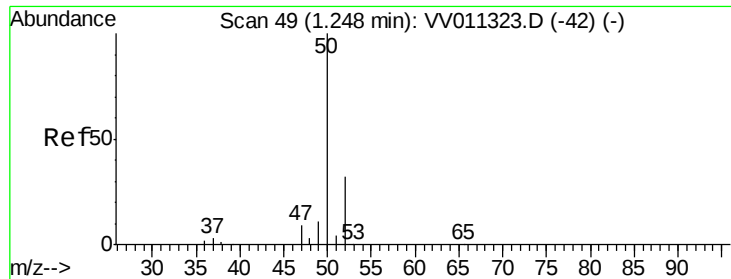
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_V

ClientSampleId :

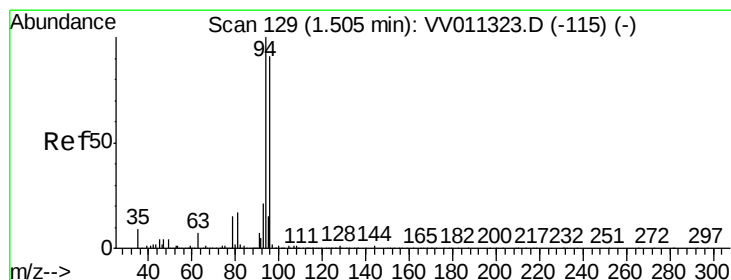
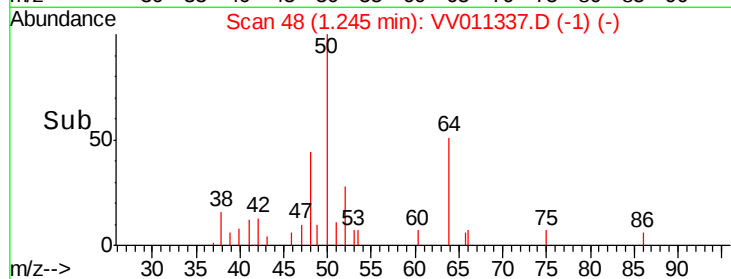
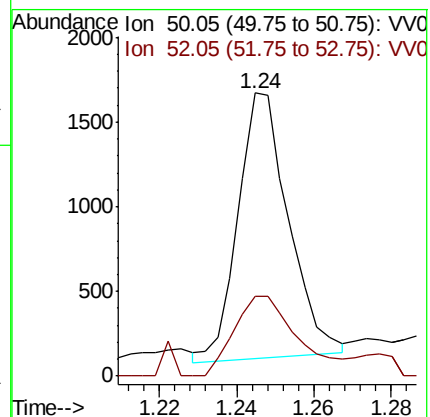
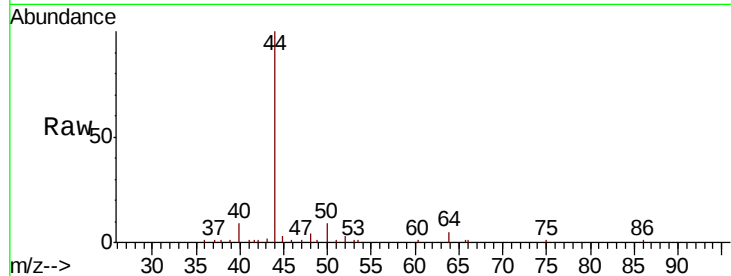
DB8F5

Tgt Ion: 50 Resp: 1420

Ion Ratio Lower Upper

50 100

52 28.1 22.3 41.5



#6

Bromomethane

Concen: 0.144 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.01 min

Lab File: VV011337.D

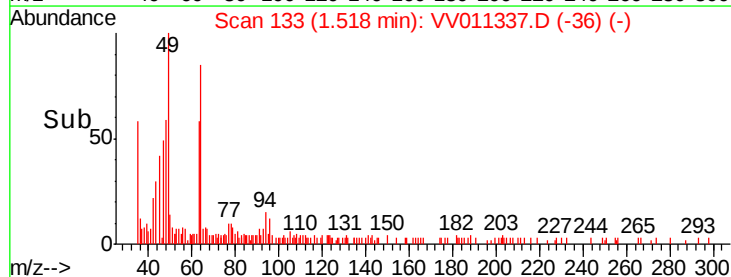
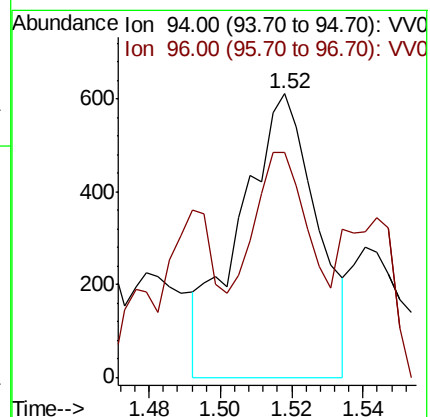
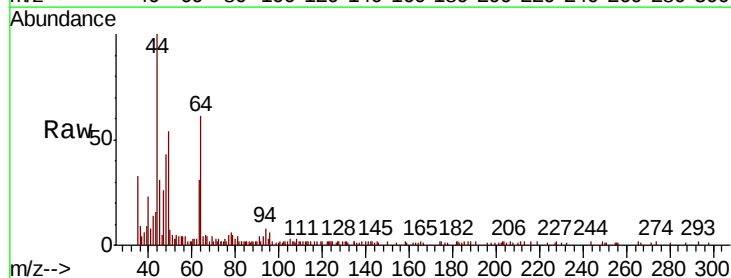
Acq: 09 Jun 2019 00:30

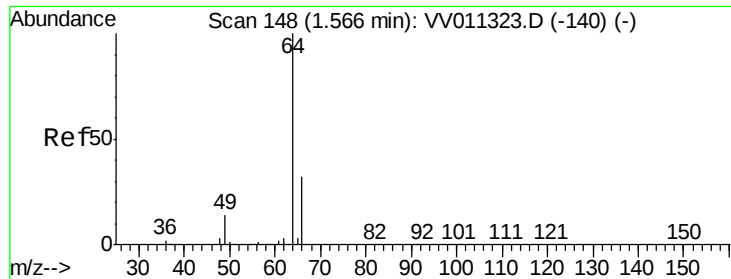
Tgt Ion: 94 Resp: 913

Ion Ratio Lower Upper

94 100

96 79.4 67.0 124.4





#8

Chloroethane

Concen: 0.775 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.25 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_V

ClientSampleId :

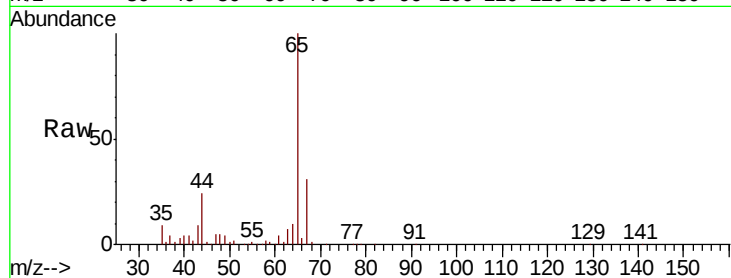
DB8F5

Tgt Ion: 64 Resp: 6054

Ion Ratio Lower Upper

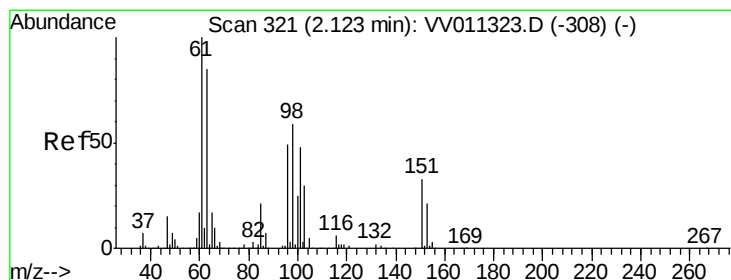
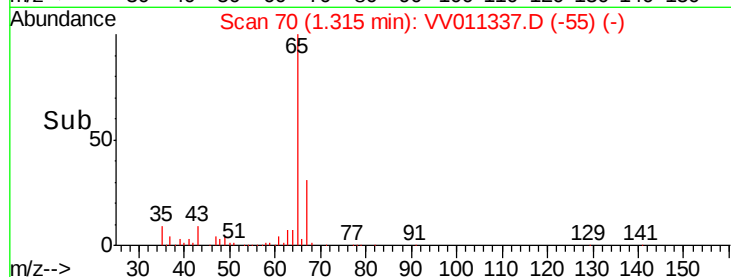
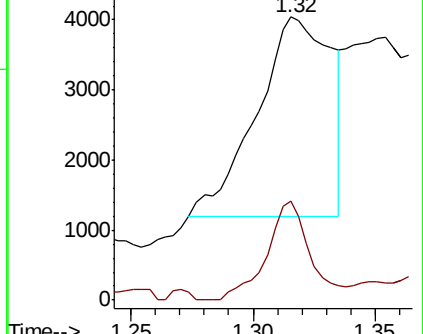
64 100

66 34.9 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011337.D (-55) (-)

Ion 66.05 (65.75 to 66.75): VV011337.D (-55) (-)



#10

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

Concen: 0.093 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

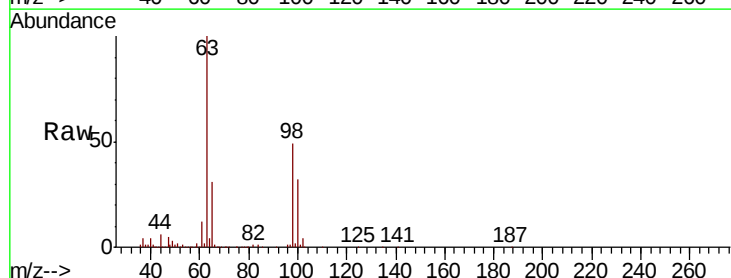
Tgt Ion: 101 Resp: 800

Ion Ratio Lower Upper

101 100

85 2.5 35.5 53.3#

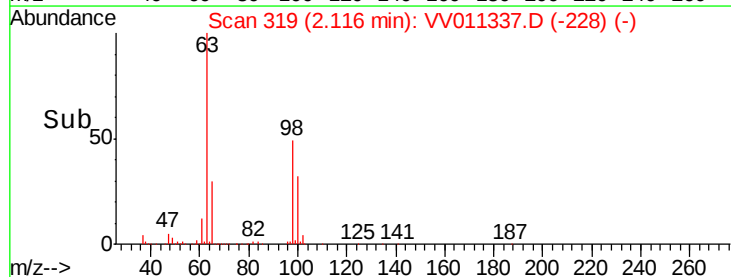
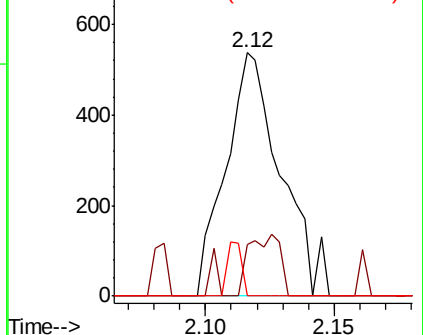
151 5.8 56.9 85.3#

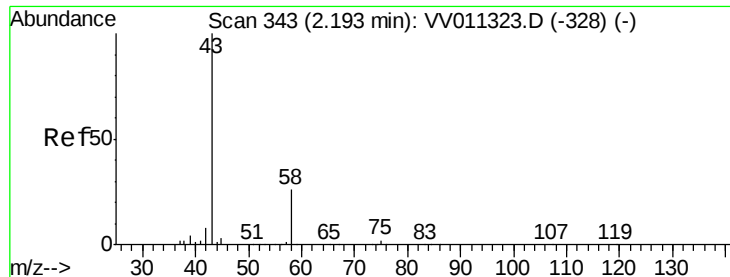


Abundance Ion 101.00 (100.70 to 101.70): VV011337.D (-228) (-)

Ion 85.00 (84.70 to 85.70): VV011337.D (-228) (-)

Ion 151.00 (150.70 to 151.70): VV011337.D (-228) (-)





#13

Acetone

Concen: 6.425 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_V

ClientSampleId :

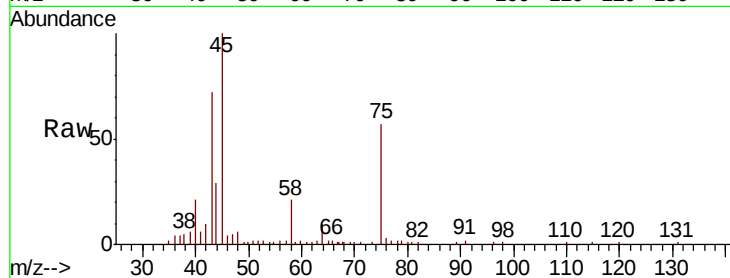
DB8F5

Tgt Ion: 43 Resp: 9767

Ion Ratio Lower Upper

43 100

58 34.3 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

6000

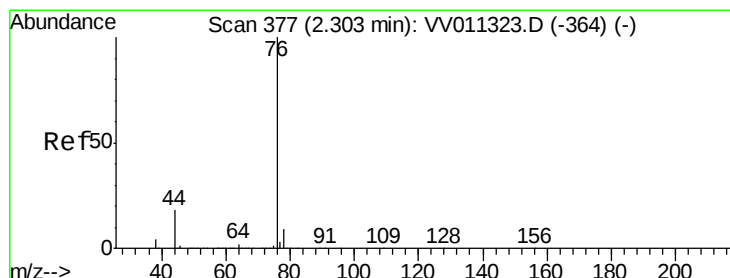
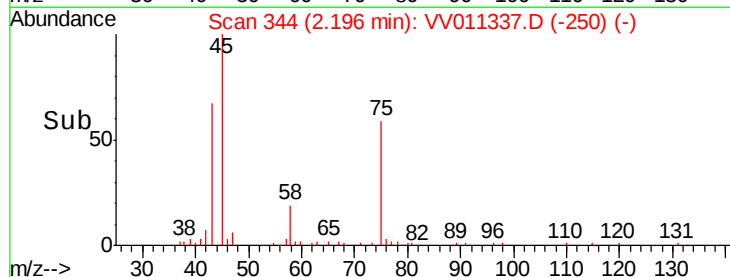
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.161 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV011337.D

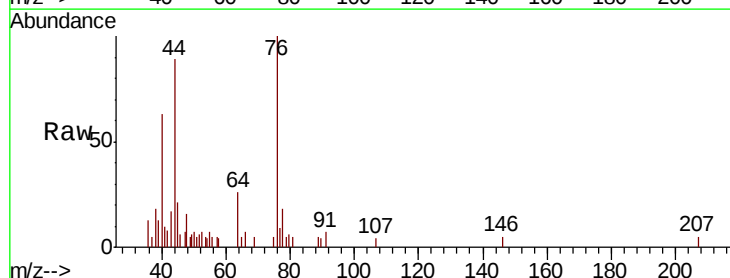
Acq: 09 Jun 2019 00:30

Tgt Ion: 76 Resp: 4089

Ion Ratio Lower Upper

76 100

78 17.7 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

3000

2500

2000

1500

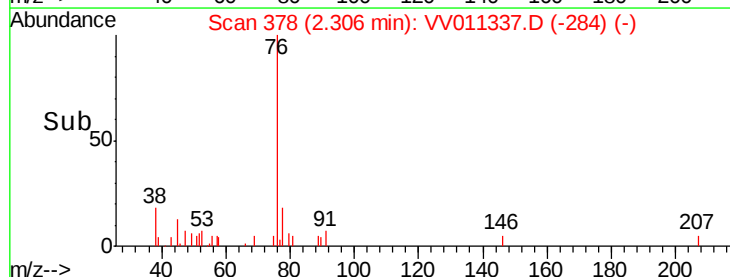
1000

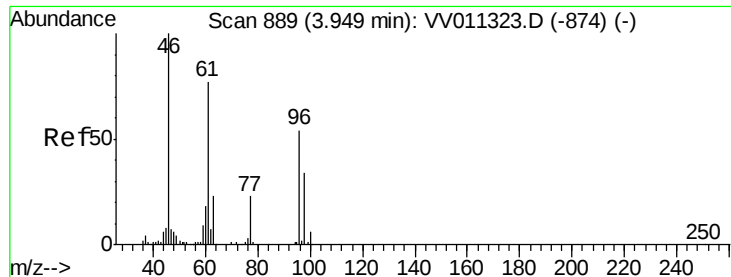
500

0

Time-->

2.25 2.30 2.35



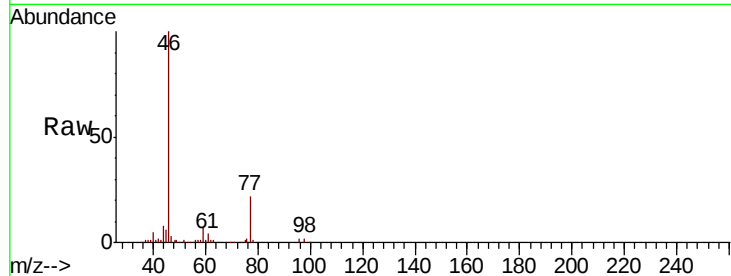


#22

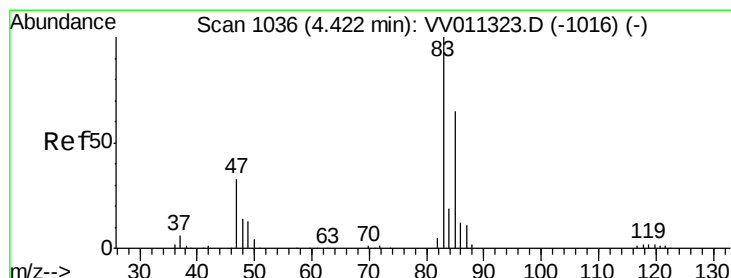
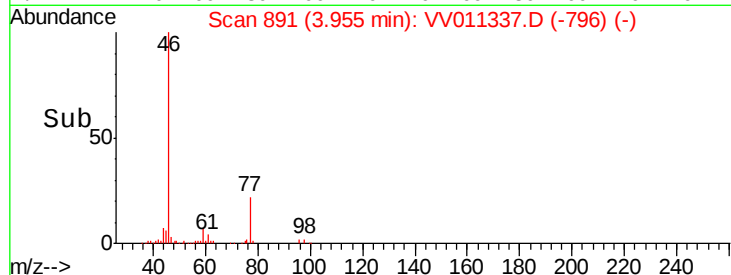
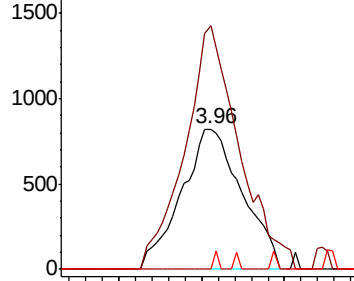
cis-1,2-Dichloroethene
Concen: 0.202 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.01 min
Lab File: VV011337.D
Acq: 09 Jun 2019 00:30

Instrument :
MSVOA_V
ClientSampleId :
DB8F5

Tgt Ion: 96 Resp: 2096
Ion Ratio Lower Upper
96 100
61 173.3 100.8 187.2
68 0.0 0.0 0.0



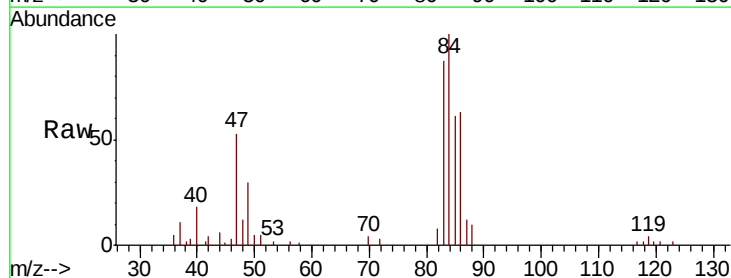
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



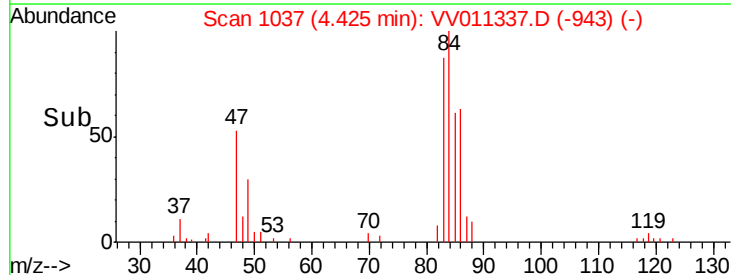
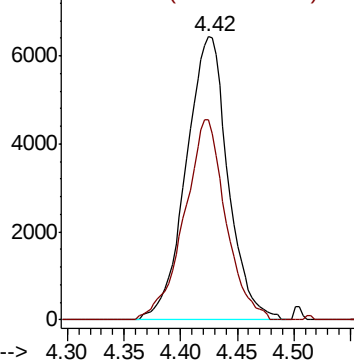
#25

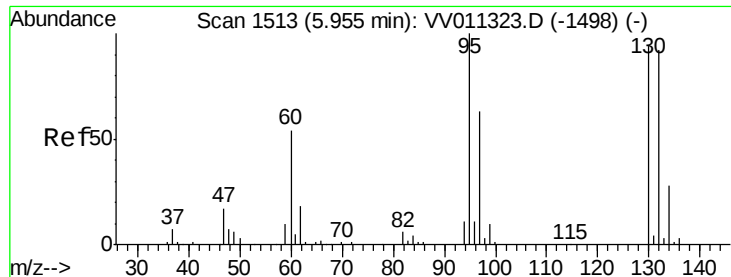
Chloroform
Concen: 0.867 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011337.D
Acq: 09 Jun 2019 00:30

Tgt Ion: 83 Resp: 16569
Ion Ratio Lower Upper
83 100
85 70.7 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 4.462 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_V

ClientSampleId :

DB8F5

Tgt Ion: 95 Resp: 44041

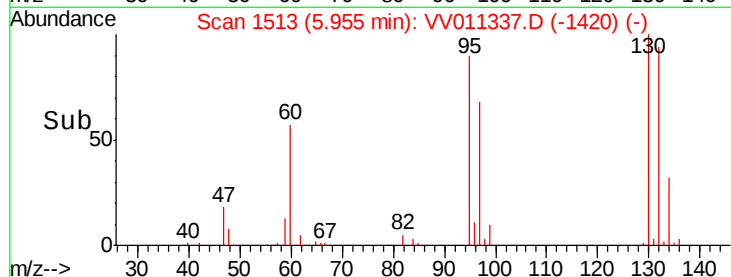
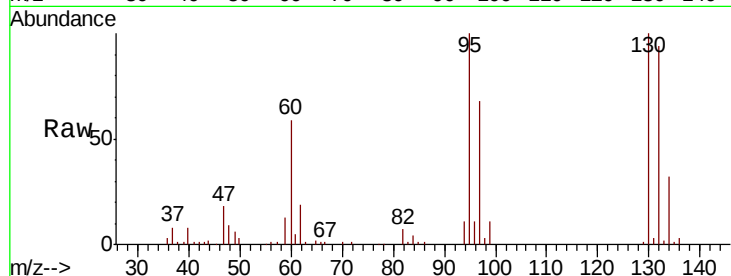
Ion Ratio Lower Upper

95 100

97 68.4 45.8 85.2

132 94.4 66.4 123.2

130 100.0 68.3 126.8

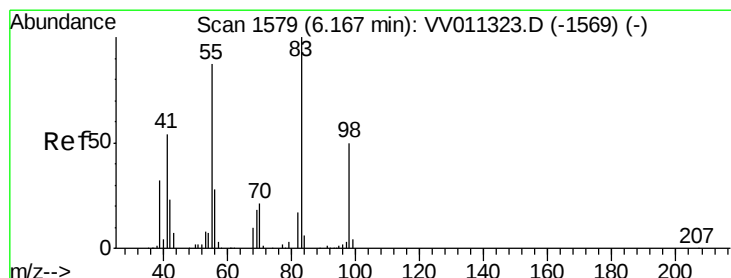
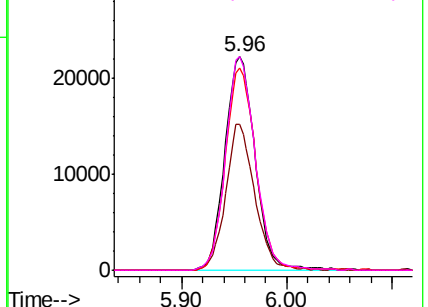


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.761 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

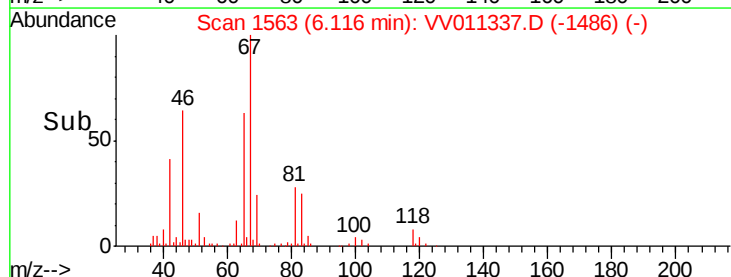
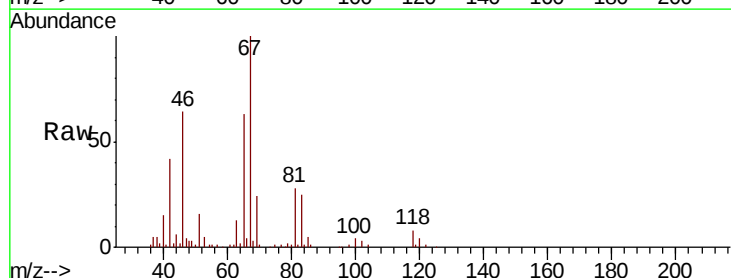
Tgt Ion: 83 Resp: 12430

Ion Ratio Lower Upper

83 100

55 2.9 67.0 100.6#

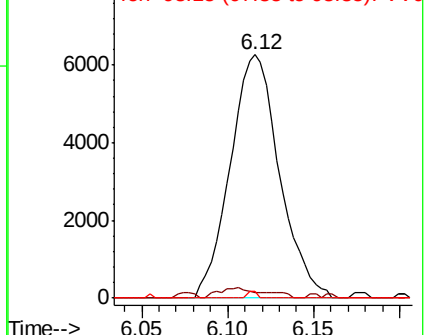
98 0.6 40.0 60.0#

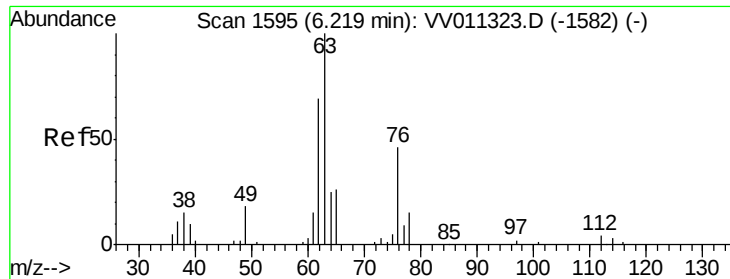


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

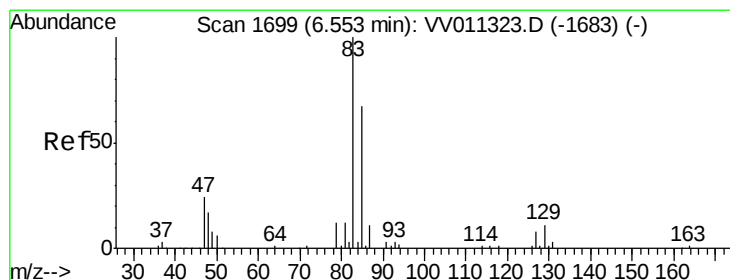
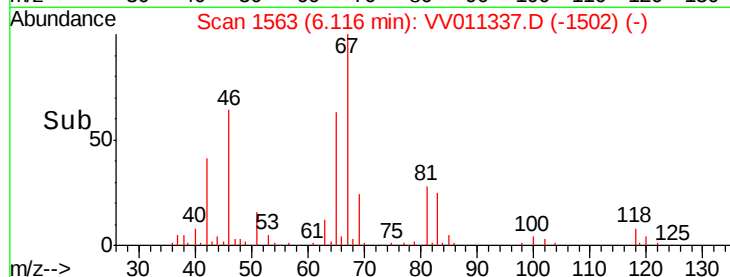
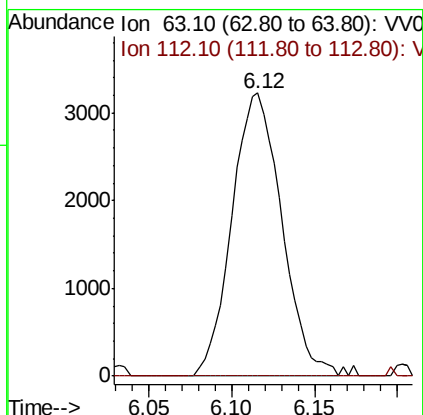
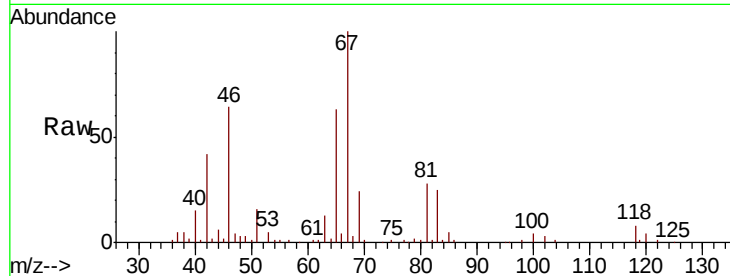




#37
 1,2-Dichloropropane
 Concen: 0.709 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011337.D
 Acq: 09 Jun 2019 00:30

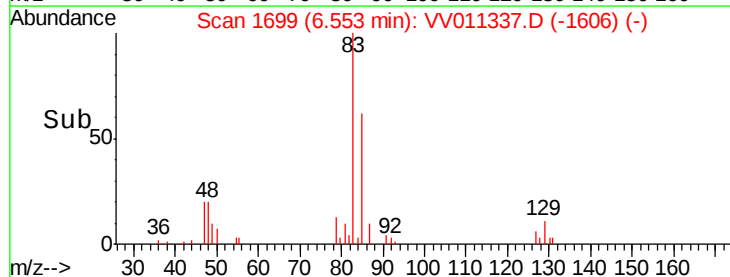
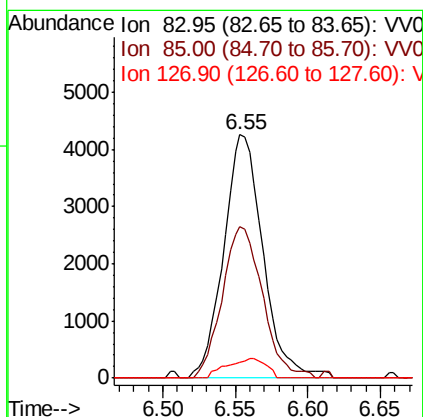
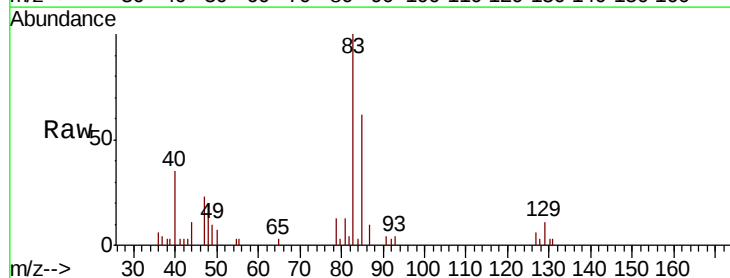
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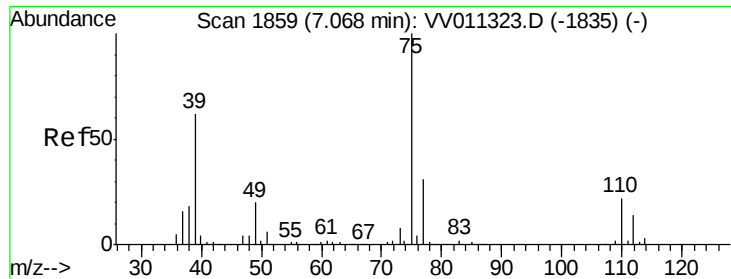
Tgt Ion: 63 Resp: 6740
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.679 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011337.D
 Acq: 09 Jun 2019 00:30

Tgt Ion: 83 Resp: 7984
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.5 82.7
 127 6.3 7.0 10.4#

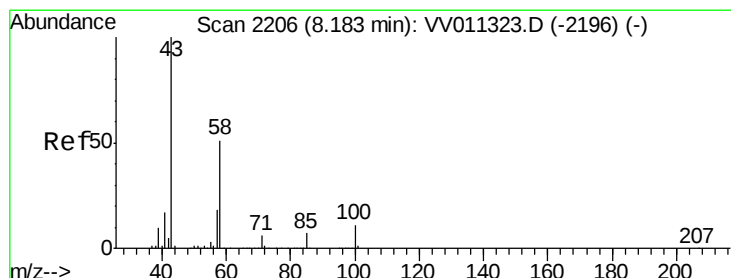
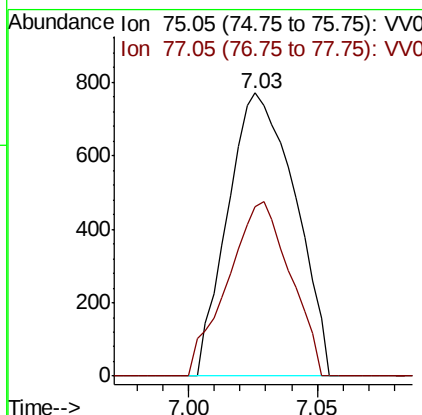
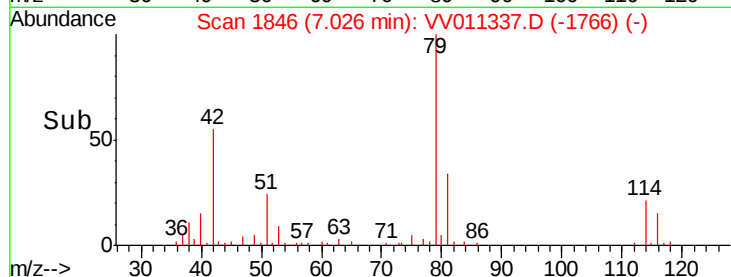
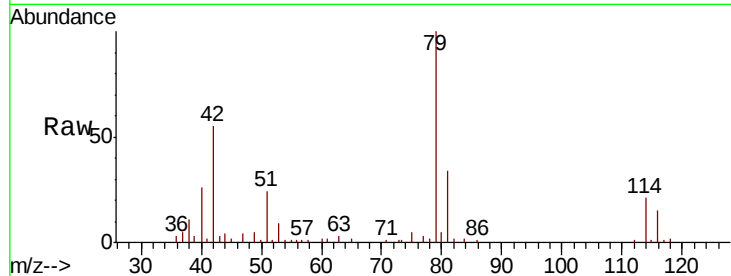




#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011337.D
 Acq: 09 Jun 2019 00:30

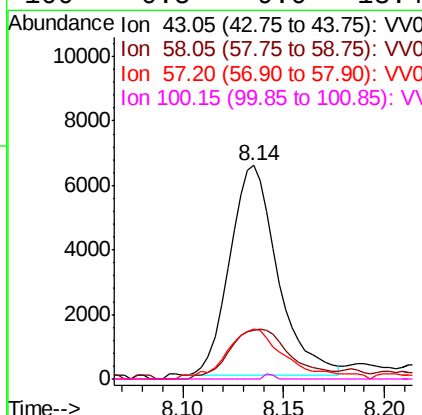
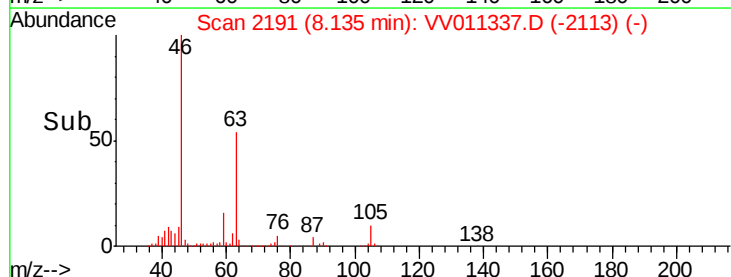
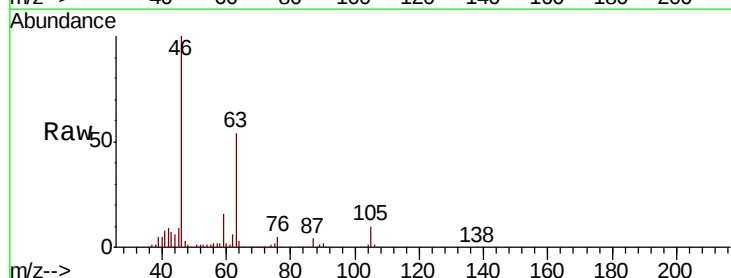
Instrument :
 MSVOA_V
 ClientSampleId :
 DB8F5

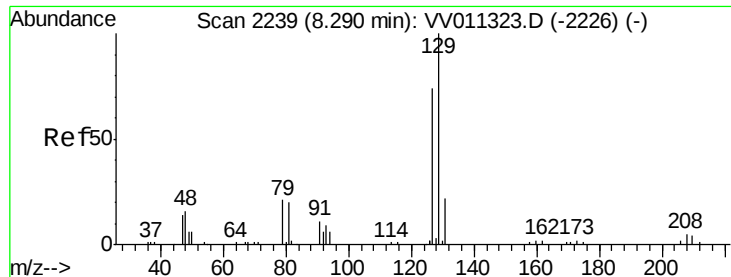
Tgt Ion: 75 Resp: 1403
 Ion Ratio Lower Upper
 75 100
 77 59.9 22.2 41.2#



#48
 2-Hexanone
 Concen: 2.552 ug/L
 RT: 8.14 min Scan# 2191
 Delta R.T. -0.05 min
 Lab File: VV011337.D
 Acq: 09 Jun 2019 00:30

Tgt Ion: 43 Resp: 10777
 Ion Ratio Lower Upper
 43 100
 58 30.6 41.4 62.0#
 57 29.5 15.0 22.4#
 100 0.5 9.0 13.4#





#49

Dibromochloromethane

Concen: 0.881 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

Instrument :

MSVOA_V

ClientSampleId :

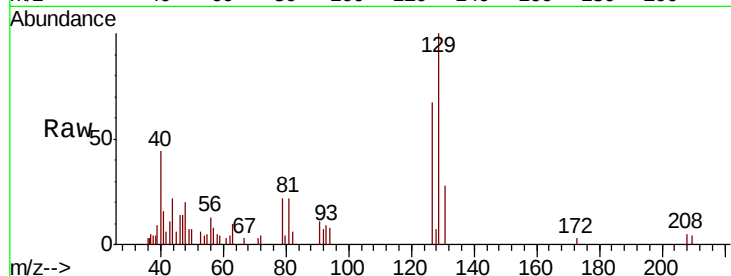
DB8F5

Tgt Ion:129 Resp: 6095

Ion Ratio Lower Upper

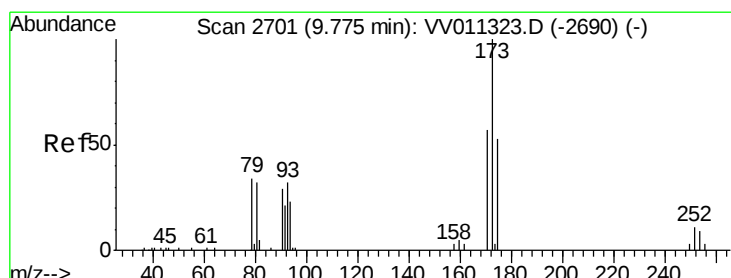
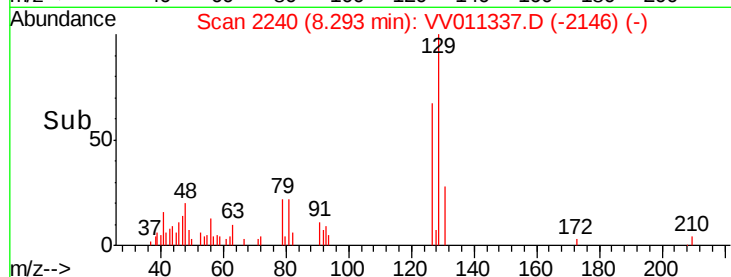
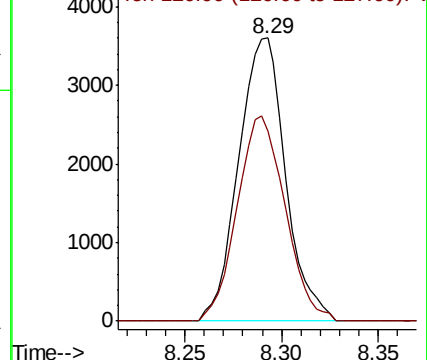
129 100

127 67.3 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#61

Bromoform

Concen: 1.322 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011337.D

Acq: 09 Jun 2019 00:30

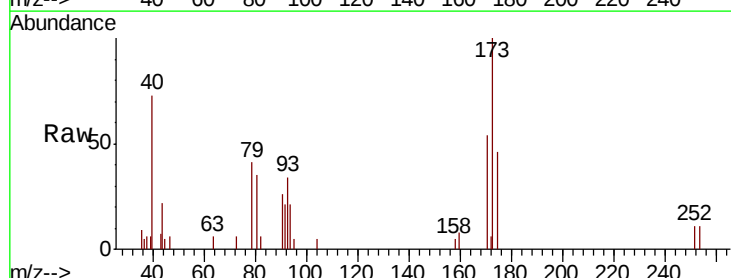
Tgt Ion:173 Resp: 3868

Ion Ratio Lower Upper

173 100

175 45.7 37.0 55.4

254 8.8 6.9 10.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

