

Data File : VV014067.D
Acq On : 16 Dec 2019 13:14
Operator : SY/MD
Sample : VIBLK45
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK45

Quant Time: Dec 17 05:46:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	375962	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	369207	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	160450	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151683	6.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.40%#
7) Chloroethane-d5	1.58	69	124222	6.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	125.80%
11) 1,1-Dichloroethene-d2	2.13	63	189908	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	3.93	46	223250	46.15	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.30%
24) Chloroform-d	4.40	84	224148	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	110820	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.10	84	463039	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.11	67	136897	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.36	98	372431	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.66	79	46294	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.13	63	135626	33.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	78500	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	144844	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
6) Bromomethane	1.54	94	1022	0.086 ug/L	80
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2061	0.099 ug/L #	33
12) 1,1-Dichloroethene	2.13	96	2264	0.125 ug/L #	1
13) Acetone	2.19	43	8105	2.396 ug/L #	43
16) Methylene chloride	2.53	84	11680	0.472 ug/L	88
25) Chloroform	4.42	83	8168	0.189 ug/L	96
27) 1,2-Dichloroethane	5.10	62	2728	0.110 ug/L	98
35) Methylcyclohexane	6.12	83	34410	1.032 ug/L #	20
37) 1,2-Dichloropropane	6.11	63	15784	0.678 ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	2083	0.081 ug/L #	69
48) 2-Hexanone	8.18	43	18313	1.889 ug/L #	80

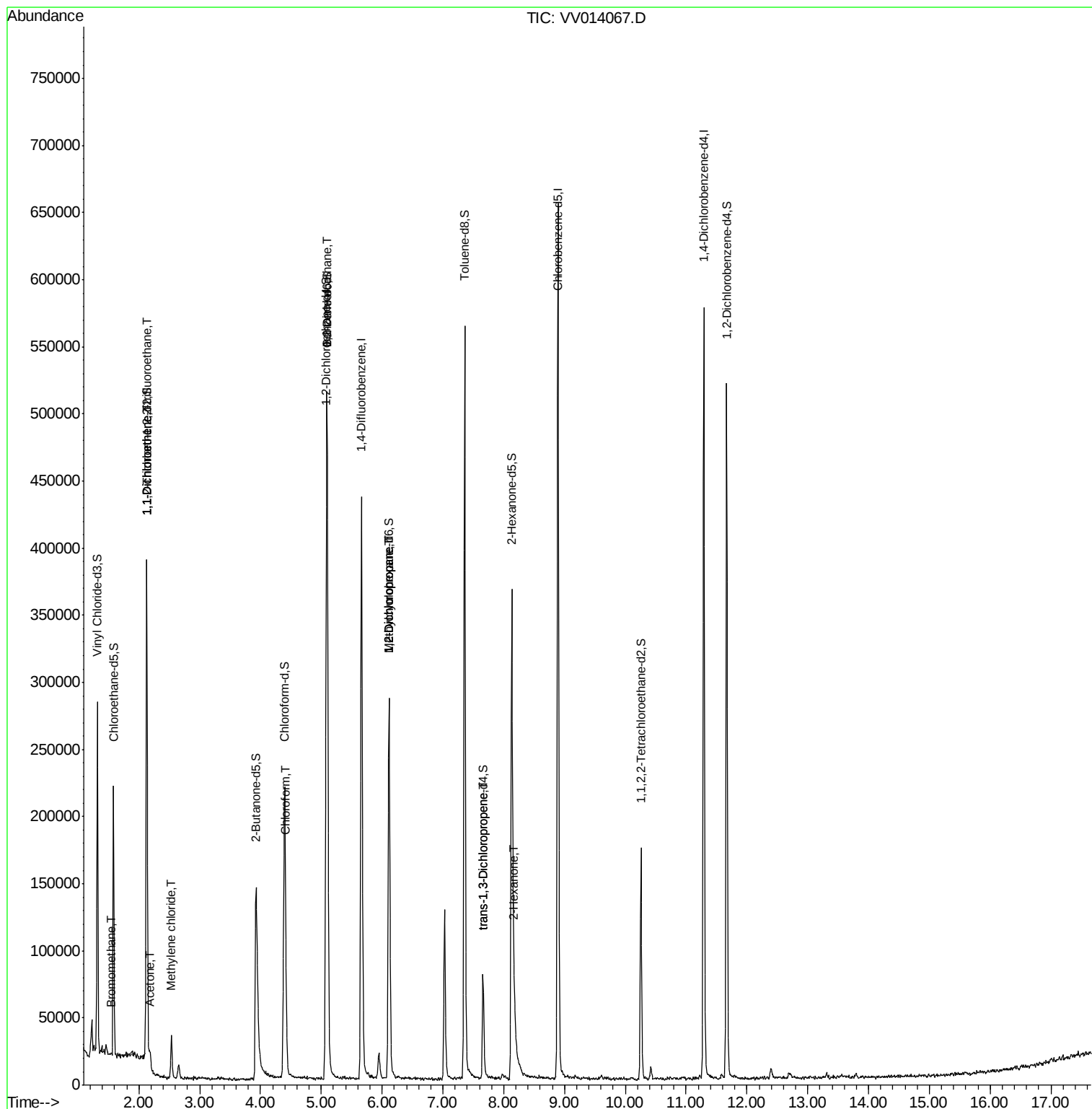
(#) = qualifier out of range (m) = manual integration (+) = signals summed

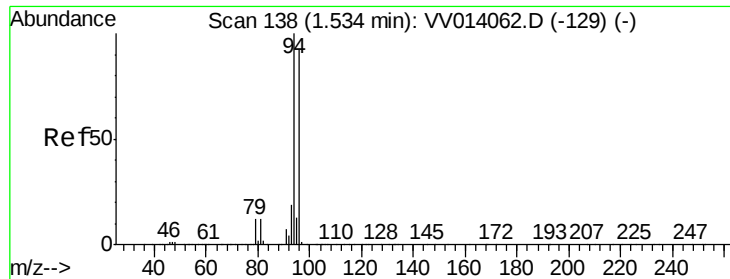
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```
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
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#6

Bromomethane

Concen: 0.086 ug/L

RT: 1.54 min Scan# 141

Delta R.T. 0.01 min

Lab File: VV014067.D

Acq: 16 Dec 2019 13:14

Instrument :

MSVOA_V

ClientSampleId :

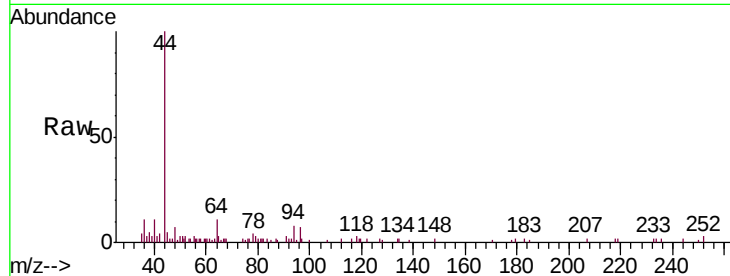
VIBLK45

Tgt Ion: 94 Resp: 1022

Ion Ratio Lower Upper

94 100

96 74.0 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

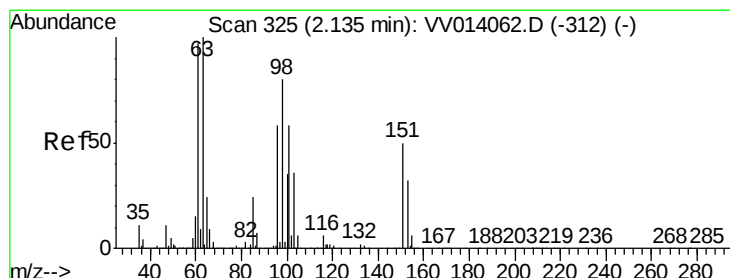
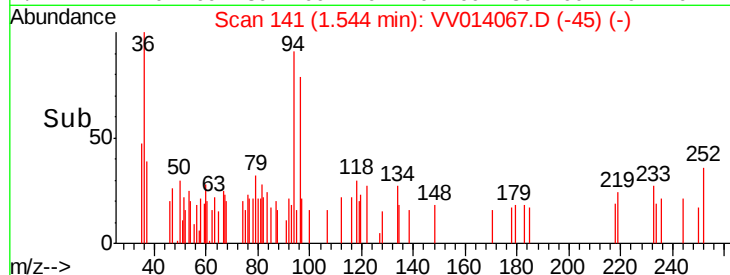
600

400

200

0

Time-->



#10

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

Concen: 0.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014067.D

Acq: 16 Dec 2019 13:14

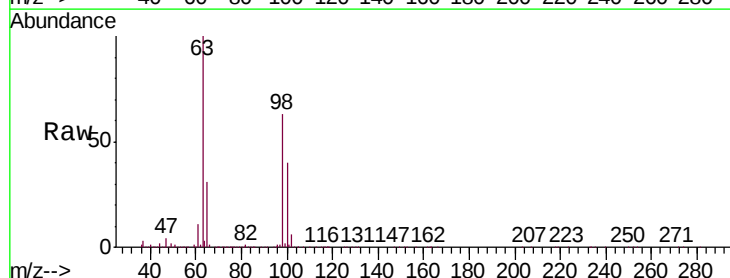
Tgt Ion: 101 Resp: 2061

Ion Ratio Lower Upper

101 100

85 18.5 33.4 50.0#

151 11.7 69.4 104.0#



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

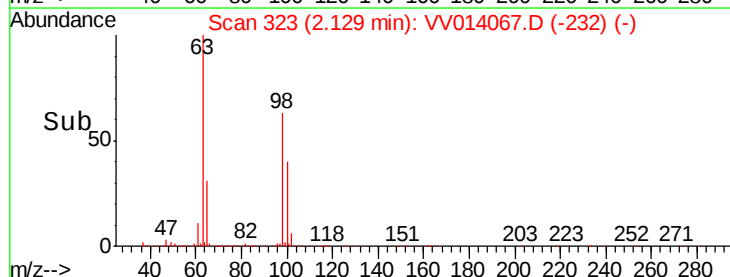
1500

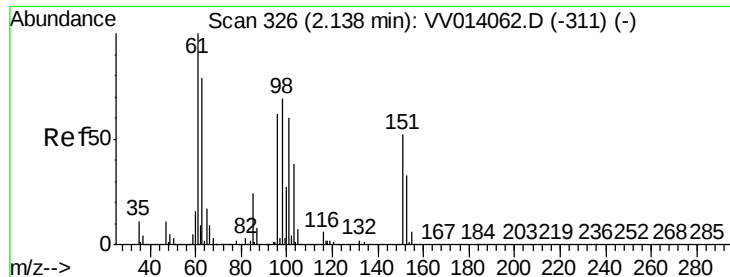
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.125 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014067.D

Acq: 16 Dec 2019 13:14

Instrument :

MSVOA_V

ClientSampleId :

VIBLK45

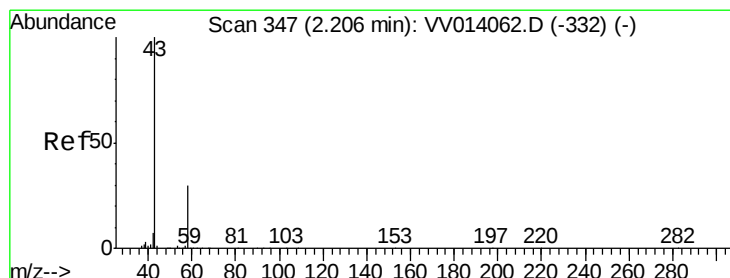
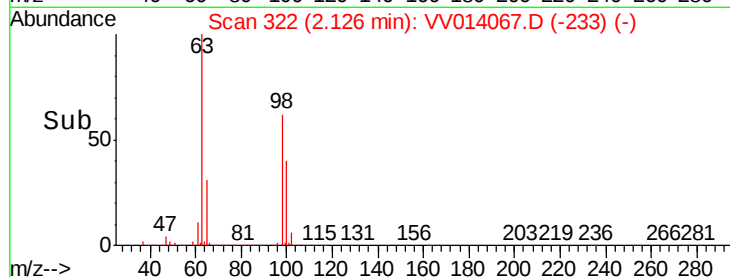
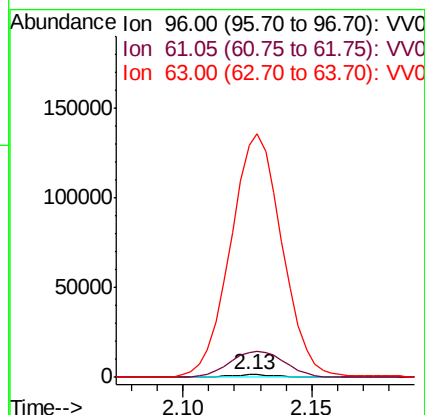
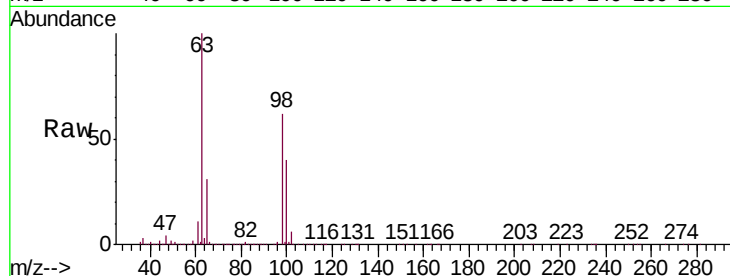
Tgt Ion: 96 Resp: 2264

Ion Ratio Lower Upper

96 100

61 985.2 116.3 215.9#

63 9139.4 96.7 179.7#



#13

Acetone

Concen: 2.396 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV014067.D

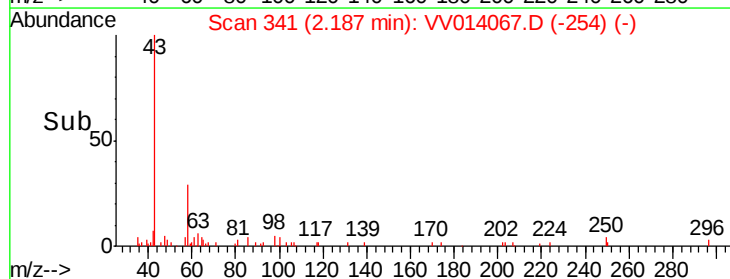
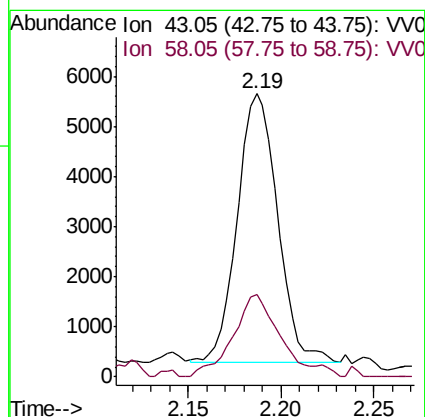
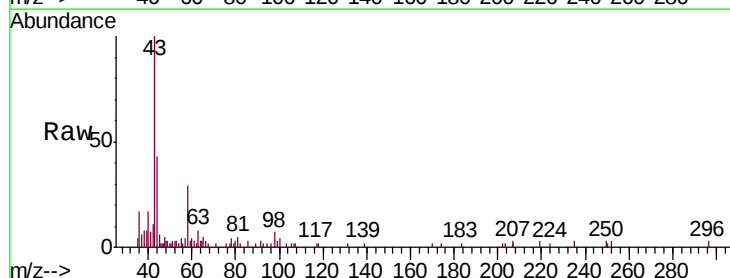
Acq: 16 Dec 2019 13:14

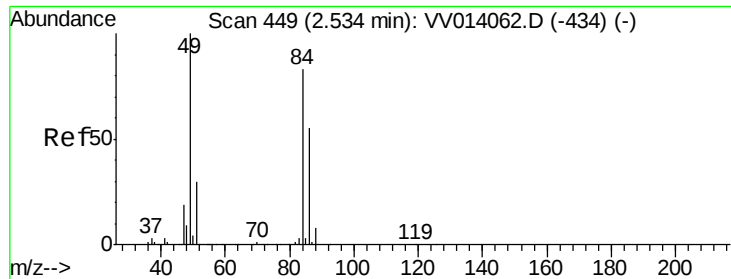
Tgt Ion: 43 Resp: 8105

Ion Ratio Lower Upper

43 100

58 36.6 0.0 27.2#

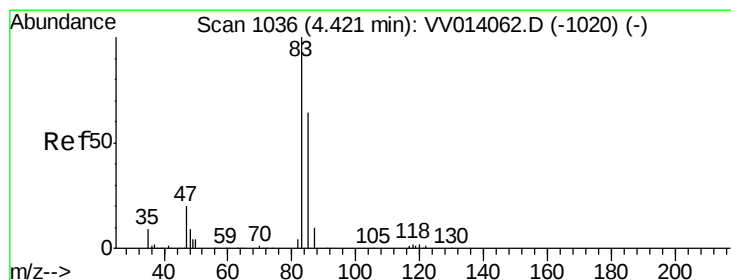
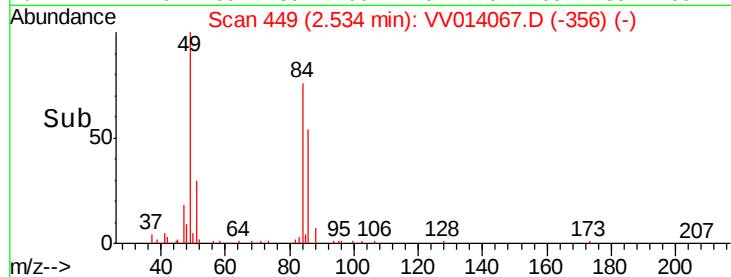
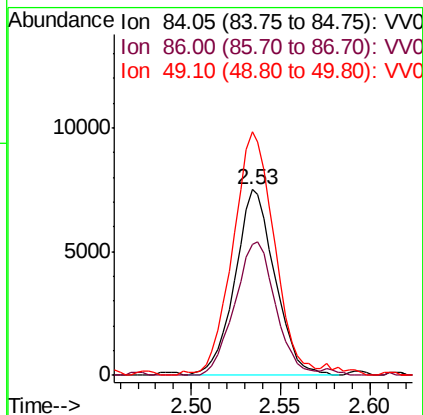
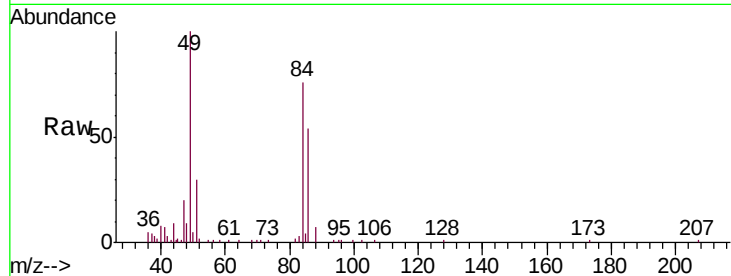




#16
Methylene chloride
Concen: 0.472 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014067.D
Acq: 16 Dec 2019 13:14

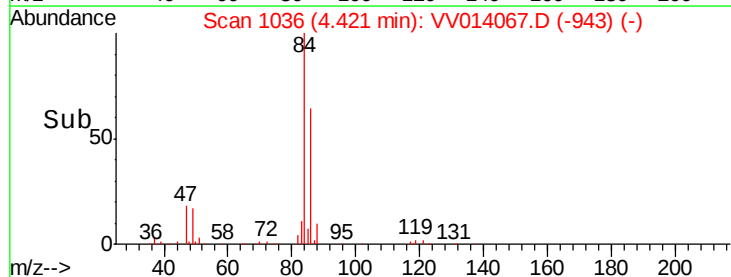
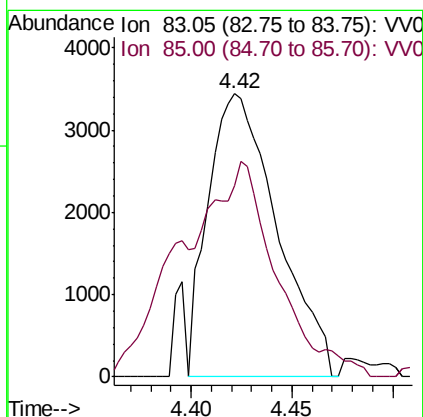
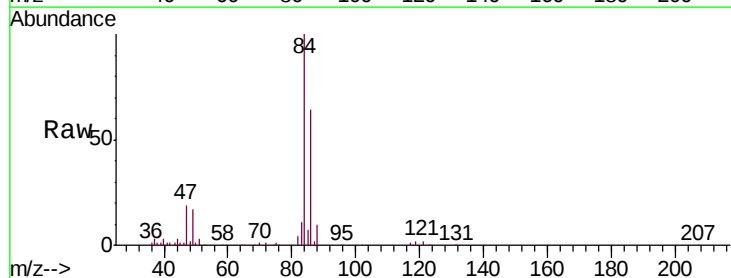
Instrument :
MSVOA_V
ClientSampleId :
VIBLK45

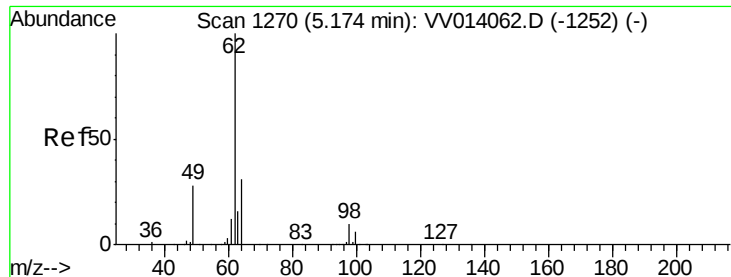
Tgt Ion: 84 Resp: 11680
Ion Ratio Lower Upper
84 100
86 70.7 44.0 81.6
49 131.0 81.5 151.5



#25
Chloroform
Concen: 0.189 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014067.D
Acq: 16 Dec 2019 13:14

Tgt Ion: 83 Resp: 8168
Ion Ratio Lower Upper
83 100
85 67.7 45.1 83.7





#27

1,2-Dichloroethane

Concen: 0.110 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

Lab File: VV014067.D

Acq: 16 Dec 2019 13:14

Instrument :

MSVOA_V

ClientSampleId :

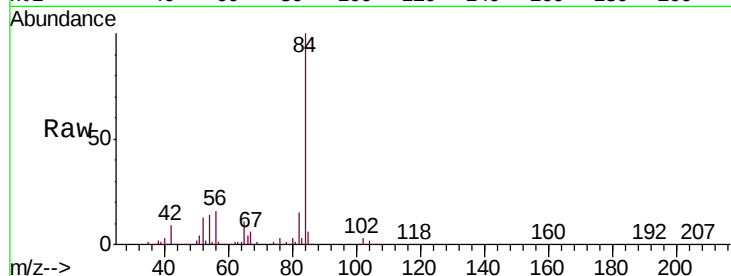
VIBLK45

Tgt Ion: 62 Resp: 2728

Ion Ratio Lower Upper

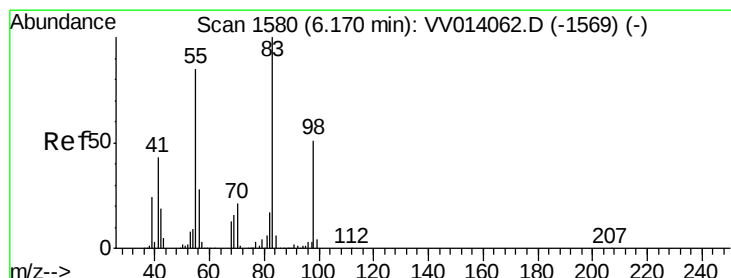
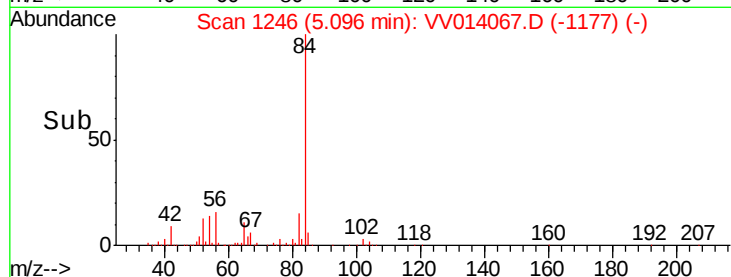
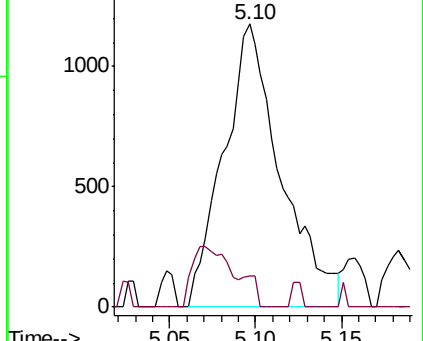
62 100

98 11.0 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#35

Methylcyclohexane

Concen: 1.032 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV014067.D

Acq: 16 Dec 2019 13:14

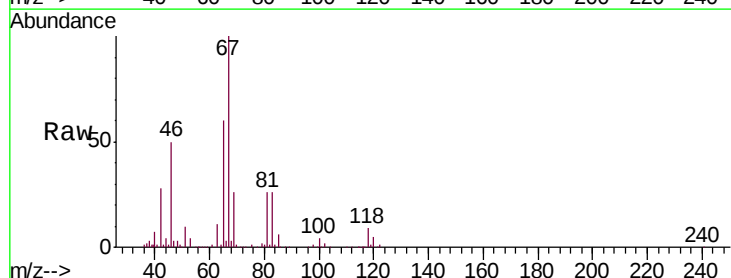
Tgt Ion: 83 Resp: 34410

Ion Ratio Lower Upper

83 100

55 1.4 60.3 90.5#

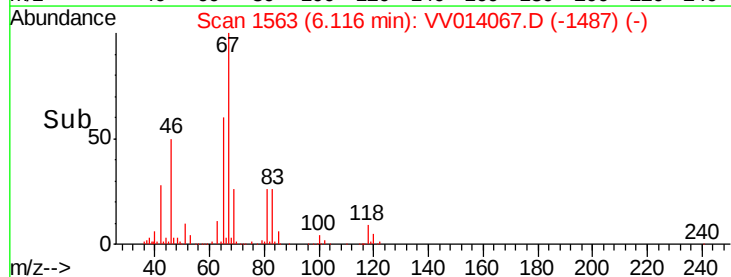
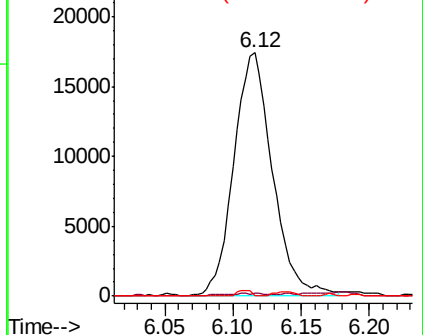
98 0.8 38.1 57.1#

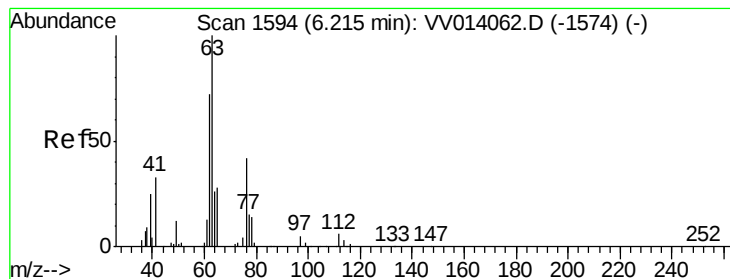


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.678 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014067.D

Acq: 16 Dec 2019 13:14

Instrument :

MSVOA_V

ClientSampleId :

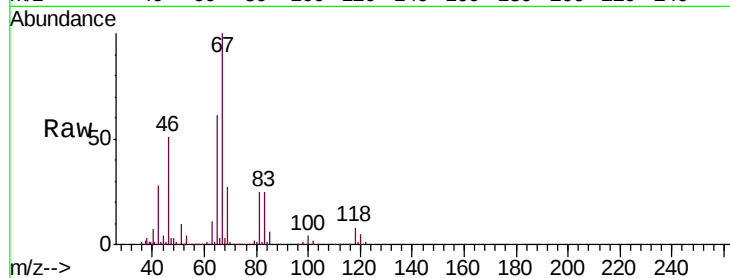
VIBLK45

Tgt Ion: 63 Resp: 15784

Ion Ratio Lower Upper

63 100

112 0.7 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV014067.D (-1562) (-)

Ion 112.10 (111.80 to 112.80): VV014067.D (-1562) (-)

6.11

8000

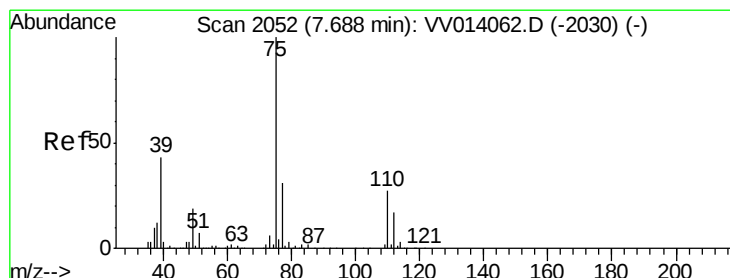
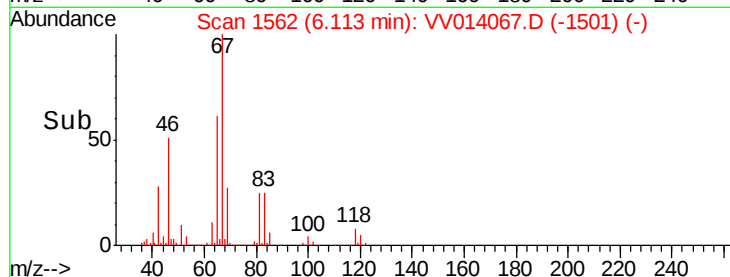
6000

4000

2000

0

Time--> 6.00 6.05 6.10 6.15 6.20



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014067.D

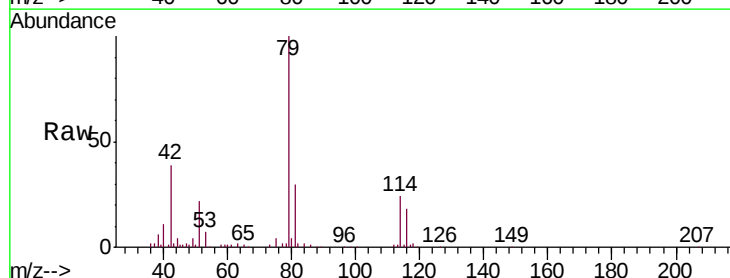
Acq: 16 Dec 2019 13:14

Tgt Ion: 75 Resp: 2083

Ion Ratio Lower Upper

75 100

77 50.6 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV014067.D (-1959) (-)

Ion 77.05 (76.75 to 77.75): VV014067.D (-1959) (-)

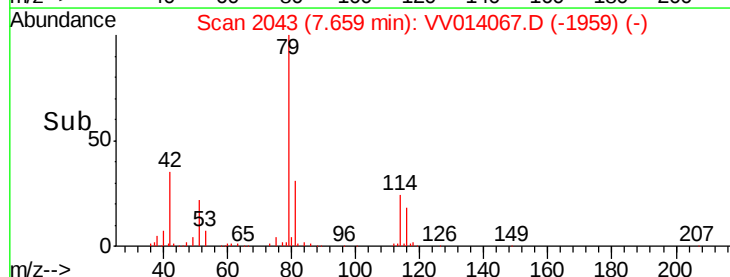
7.66

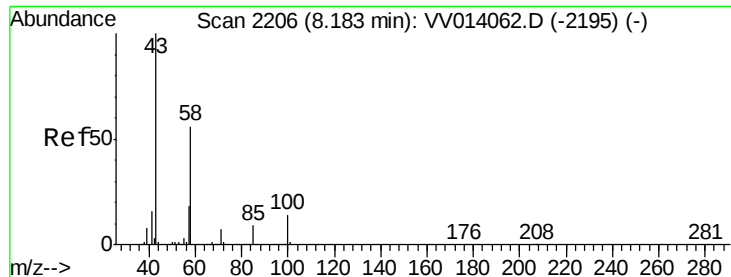
1000

500

0

Time--> 7.60 7.65 7.70





#48

2-Hexanone

Concen: 1.889 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VV014067.D

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Instrument :

MSVOA_V

ClientSampleId :

VIBLK45

Tgt Ion: 43 Resp: 18313

Ion Ratio Lower Upper

43 100

58 44.5 43.2 64.8

57 1.8 15.4 23.2#

100 3.8 10.4 15.6#

