

Data File : VV014136.D
Acq On : 19 Dec 2019 17:48
Operator : SY/MD
Sample : K6286-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFDY4

Quant Time: Dec 20 07:16:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 07:12:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	365296	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	366031	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	158862	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93866	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	92867	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.13	63	122463	3.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.40%
20) 2-Butanone-d5	3.93	46	338270	71.97	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	143.94%#
24) Chloroform-d	4.40	84	220545	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	114683	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.10	84	379431	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.40%
36) 1,2-Dichloropropane-d6	6.11	67	132151	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.36	98	268993	3.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	60.80%#
43) trans-1,3-Dichloropropene-	7.66	79	44239	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.13	63	221995	54.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	110478	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	130810	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

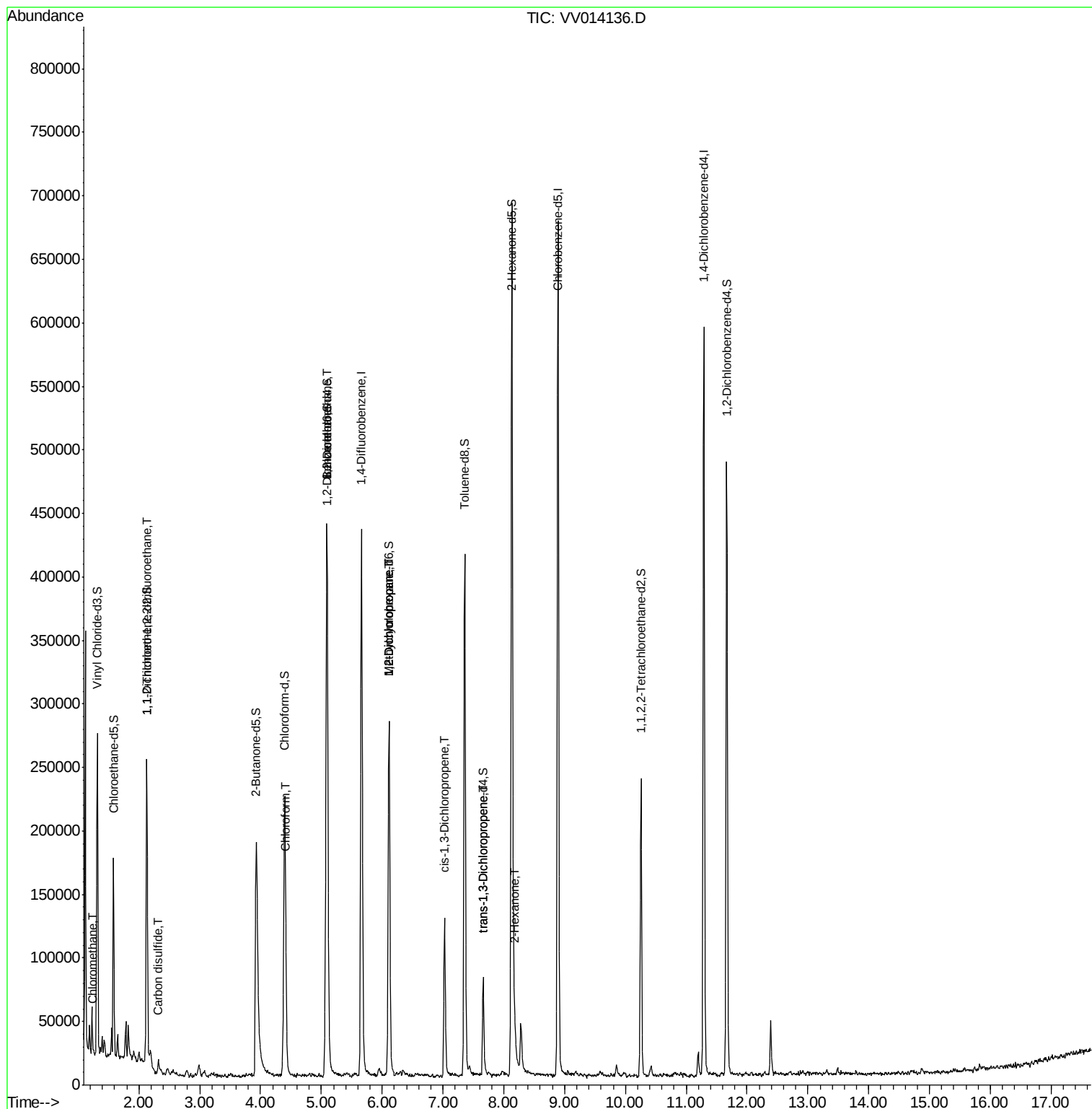
						Qvalue
3) Chloromethane	1.25	50	2089	0.098	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1517	0.075	ug/L #	33
14) Carbon disulfide	2.32	76	9229	0.228	ug/L #	90
25) Chloroform	4.42	83	4225	0.101	ug/L	81
27) 1,2-Dichloroethane	5.09	62	2338	0.097	ug/L	95
35) Methylcyclohexane	6.12	83	32480	0.983	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	15002	0.650	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	3297	0.101	ug/L #	43
44) trans-1,3-Dichloropropene	7.66	75	2431	0.095	ug/L	99
48) 2-Hexanone	8.18	43	8073	0.840	ug/L #	47

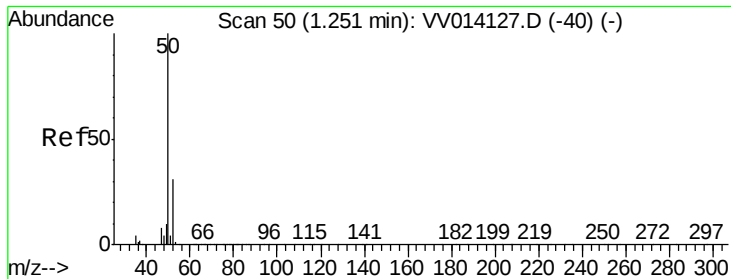
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

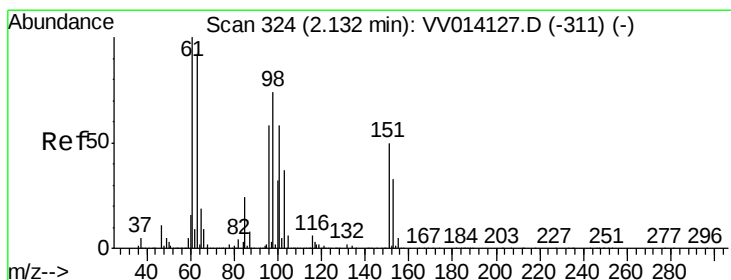
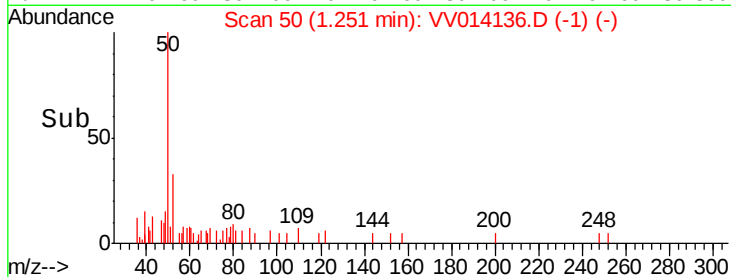
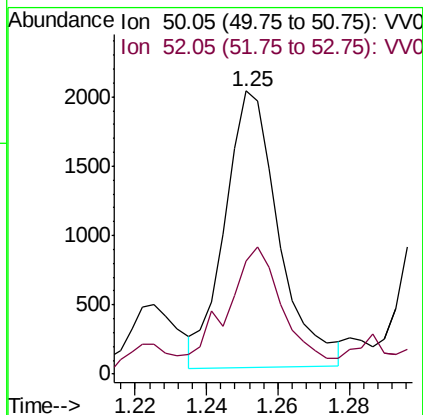
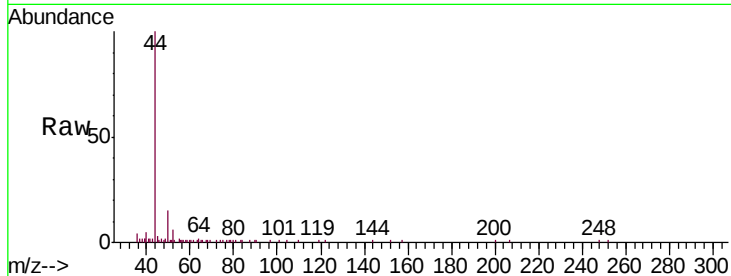
BFDY4

Tgt Ion: 50 Resp: 2089

Ion Ratio Lower Upper

50 100

52 39.8 22.5 41.7



#10

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

Concen: 0.075 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

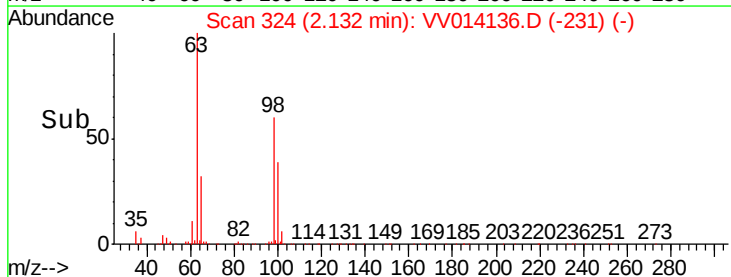
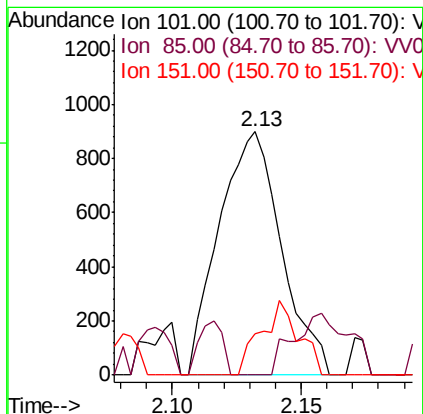
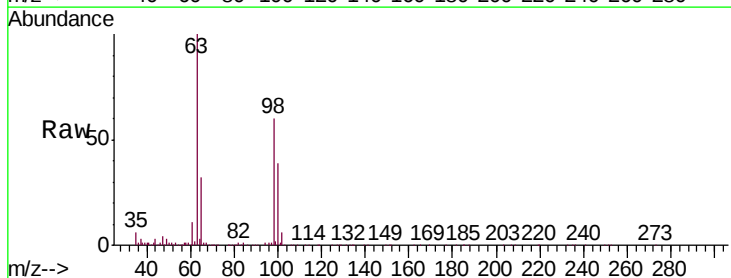
Tgt Ion: 101 Resp: 1517

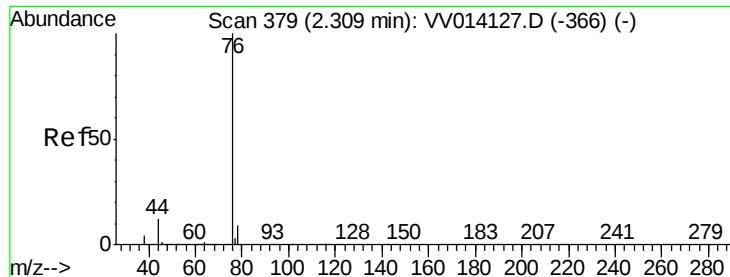
Ion Ratio Lower Upper

101 100

85 8.4 33.4 50.0#

151 18.6 69.4 104.0#





#14

Carbon disulfide

Concen: 0.228 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

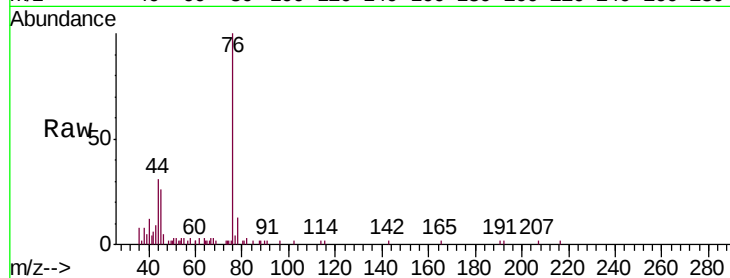
BFDY4

Tgt Ion: 76 Resp: 9229

Ion Ratio Lower Upper

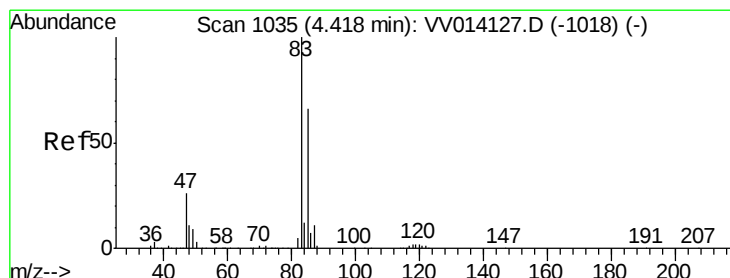
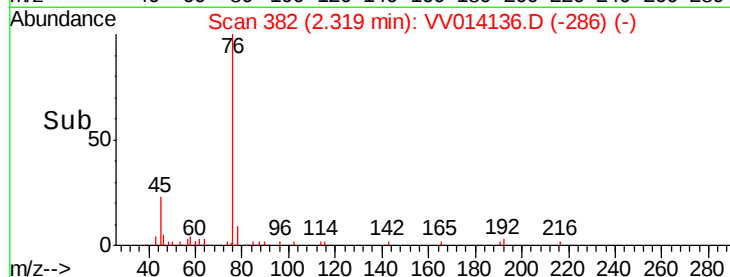
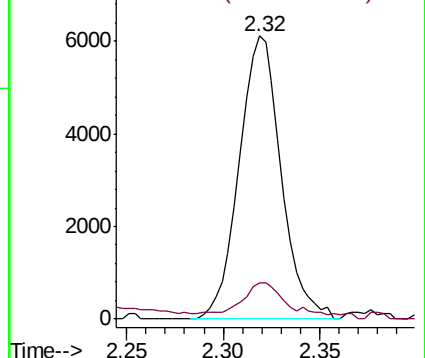
76 100

78 13.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#25

Chloroform

Concen: 0.101 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014136.D

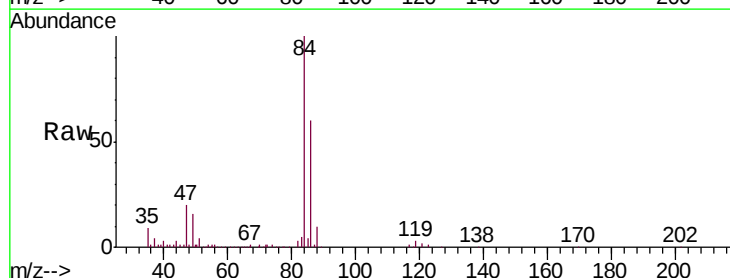
Acq: 19 Dec 2019 17:48

Tgt Ion: 83 Resp: 4225

Ion Ratio Lower Upper

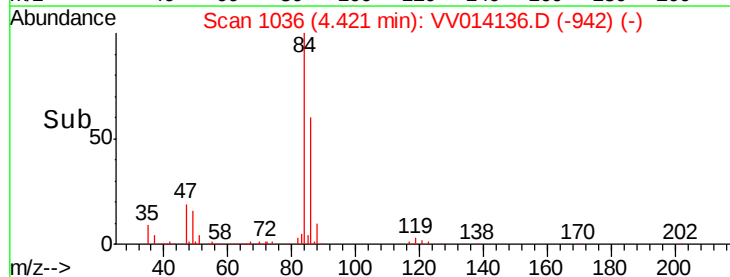
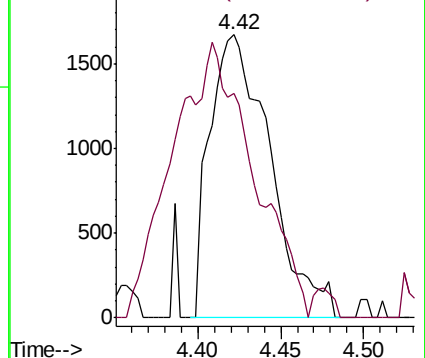
83 100

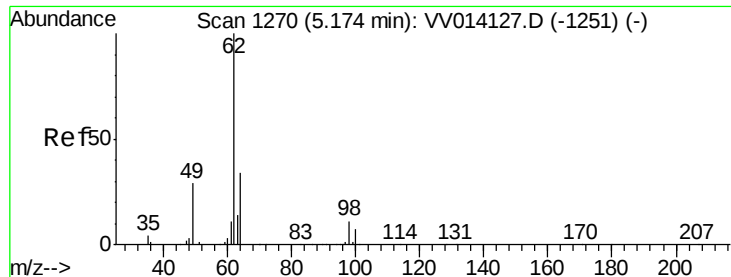
85 79.5 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.097 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

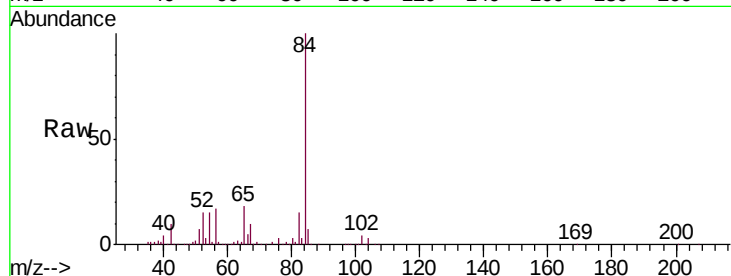
BFDY4

Tgt Ion: 62 Resp: 2338

Ion Ratio Lower Upper

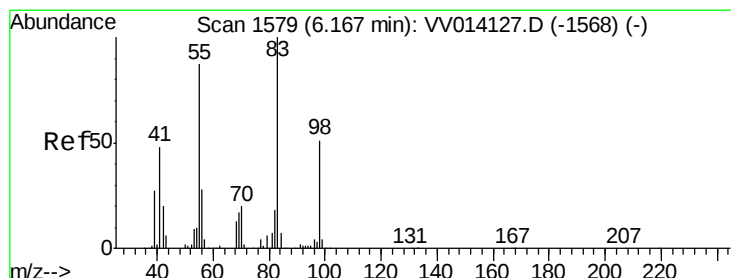
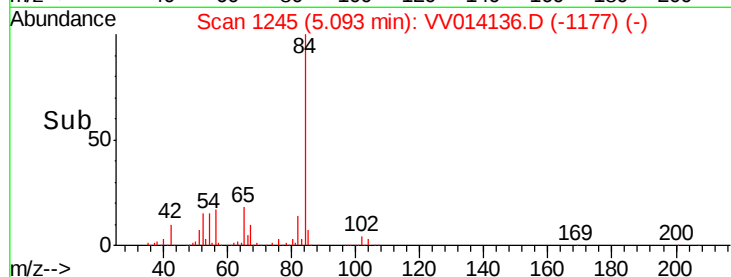
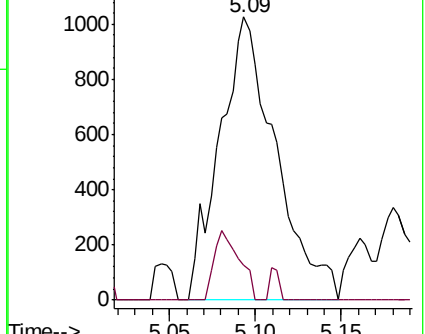
62 100

98 12.2 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: 0.983 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

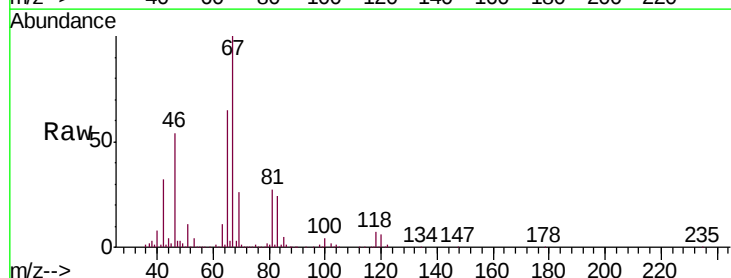
Tgt Ion: 83 Resp: 32480

Ion Ratio Lower Upper

83 100

55 0.8 60.3 90.5#

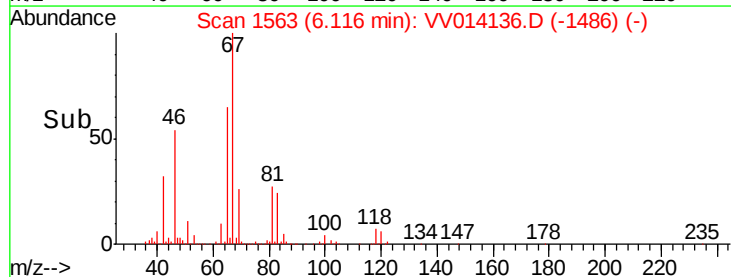
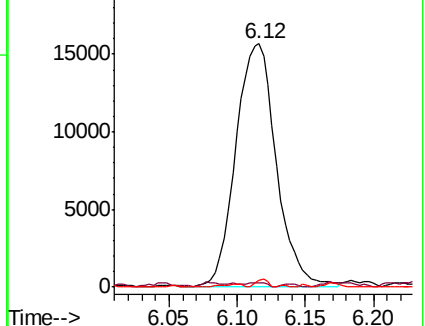
98 1.0 38.1 57.1#

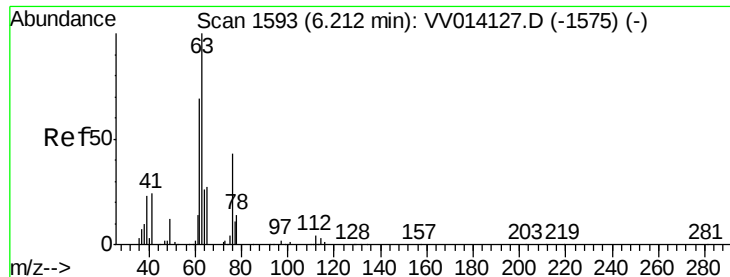


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.650 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

Instrument :

MSVOA_V

ClientSampleId :

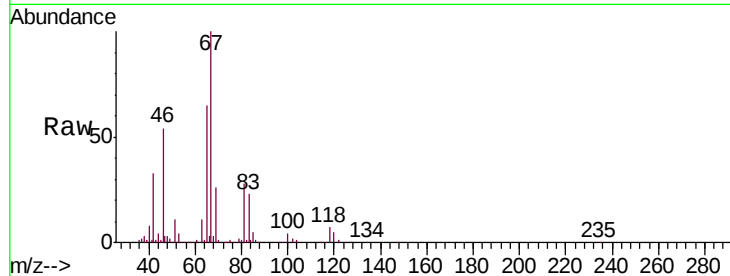
BFDY4

Tgt Ion: 63 Resp: 15002

Ion Ratio Lower Upper

63 100

112 0.3 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): VV0

6.11

8000

6000

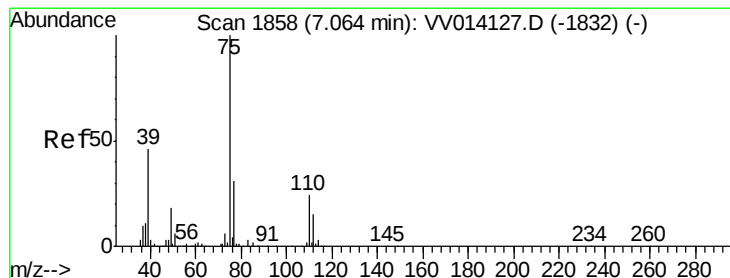
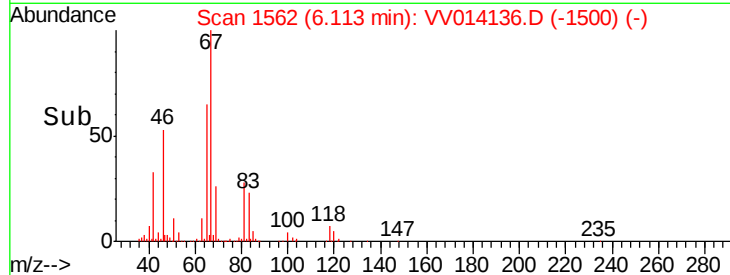
4000

2000

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV014136.D

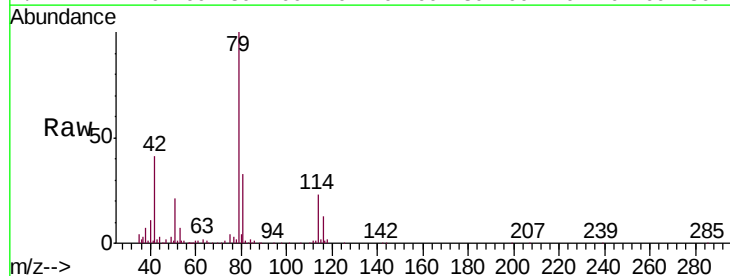
Acq: 19 Dec 2019 17:48

Tgt Ion: 75 Resp: 3297

Ion Ratio Lower Upper

75 100

77 63.8 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.03

1500

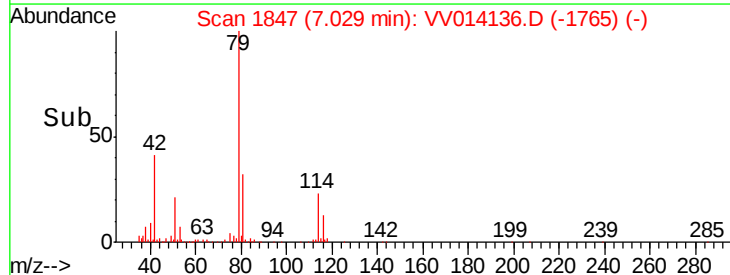
1000

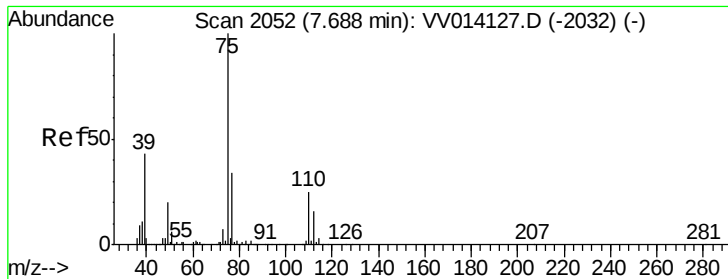
500

0

7.00 7.05

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

Instrument :

MSVOA_V

ClientSampled :

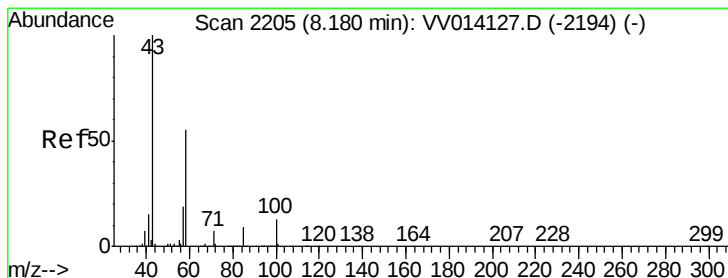
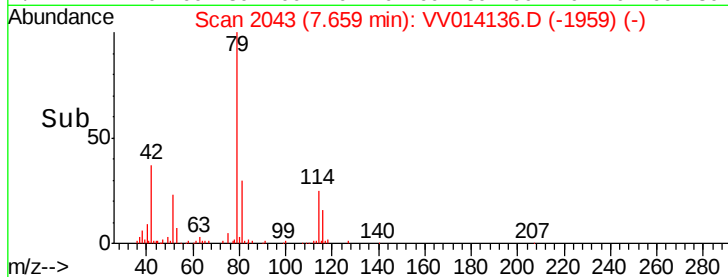
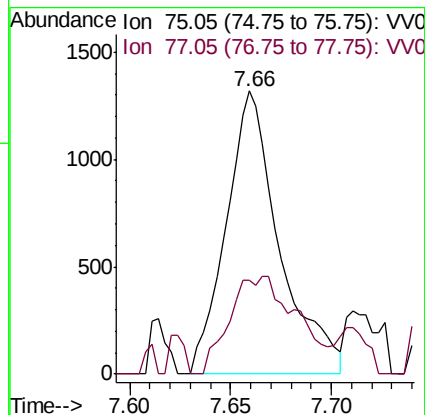
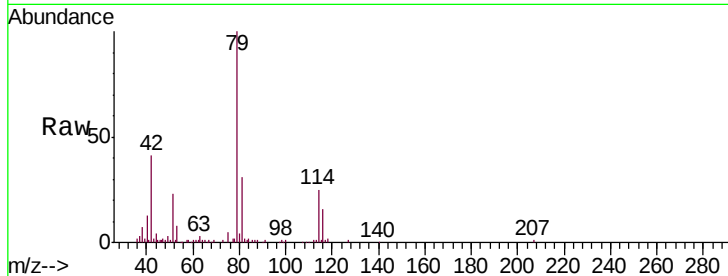
BFDY4

Tgt Ion: 75 Resp: 2431

Ion Ratio Lower Upper

75 100

77 33.2 23.0 42.8



#48

2-Hexanone

Concen: 0.840 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV014136.D

Acq: 19 Dec 2019 17:48

Tgt Ion: 43 Resp: 8073

Ion Ratio Lower Upper

43 100

58 0.0 43.2 64.8#

57 26.7 15.4 23.2#

100 8.3 10.4 15.6#

