

Data File : VV011235.D
Acq On : 05 Jun 2019 17:42
Operator : SY/MD
Sample : K3197-07
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P48

Quant Time: Jun 06 05:48:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 06 05:43:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	170663	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	160803	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71933	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	61840	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.58	69	44458	4.14	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.12	63	100224	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.98	46	128015	43.97	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.94%
24) Chloroform-d	4.40	84	102577	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.08	65	58221	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.09	84	225176	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	67703	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.36	98	206832	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.67	79	22006	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.14	63	111534	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	44717	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	65743	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

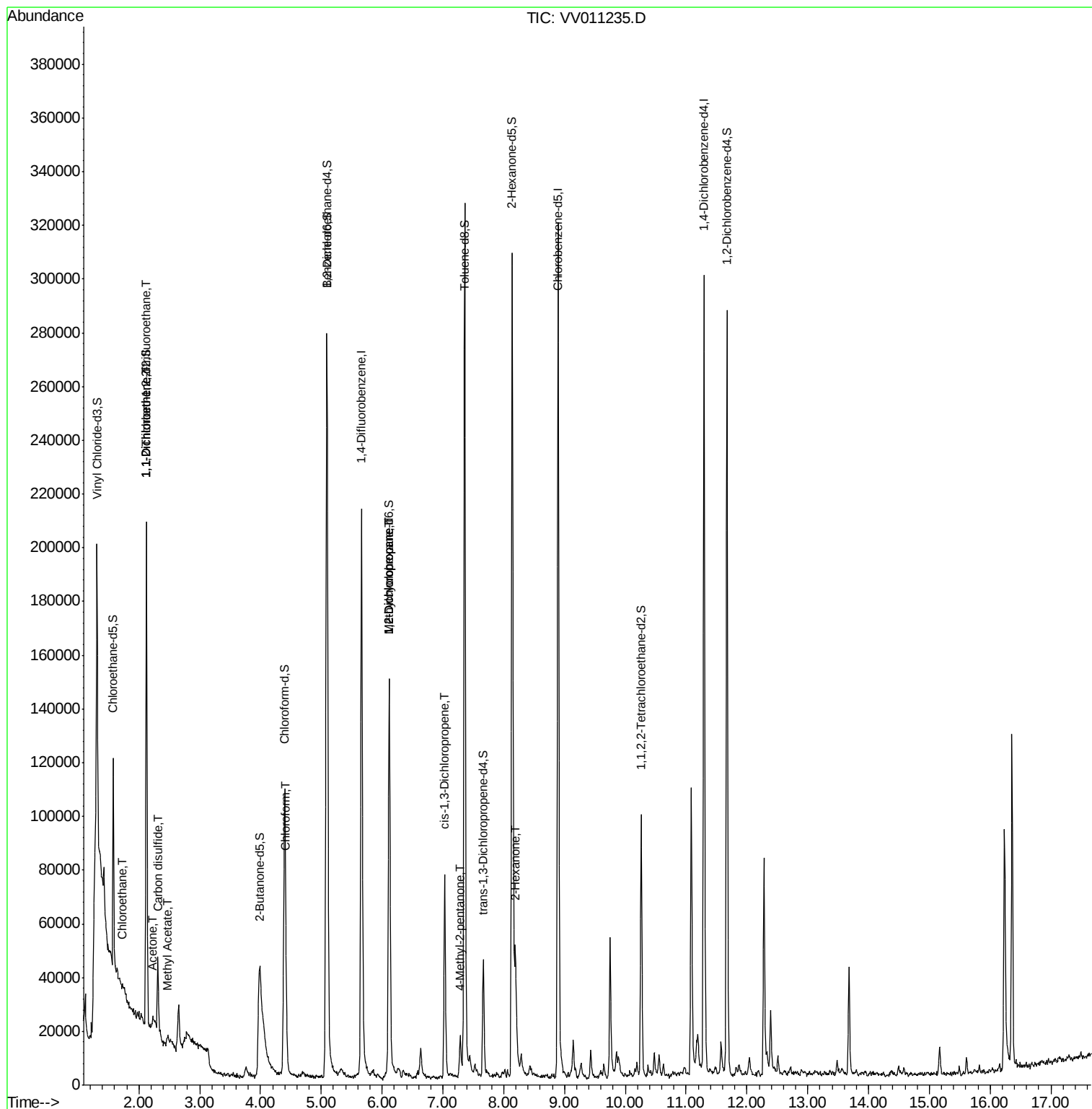
					Qvalue	
8) Chloroethane	1.73	64	5007	0.499	ug/L #	58
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	994	0.090	ug/L #	32
12) 1,1-Dichloroethene	2.13	96	1080	0.100	ug/L #	1
13) Acetone	2.24	43	11674	5.980	ug/L	65
14) Carbon disulfide	2.31	76	31370	0.962	ug/L	96
15) Methyl Acetate	2.47	43	2044	0.394	ug/L #	42
25) Chloroform	4.42	83	6075	0.248	ug/L	85
35) Methylcyclohexane	6.12	83	16154	0.739	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	8346	0.655	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	2289	0.123	ug/L #	72
40) 4-Methyl-2-pentanone	7.28	43	11219	1.383	ug/L #	86
48) 2-Hexanone	8.19	43	28148	4.977	ug/L	98

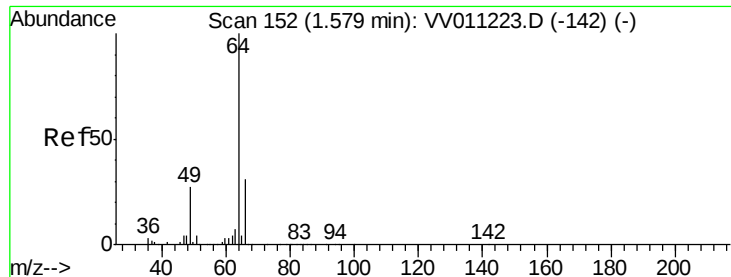
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.499 ug/L

RT: 1.73 min Scan# 199

Delta R.T. 0.15 min

Lab File: VV011235.D

Acq: 05 Jun 2019 17:42

Instrument :

MSVOA_V

ClientSampleId :

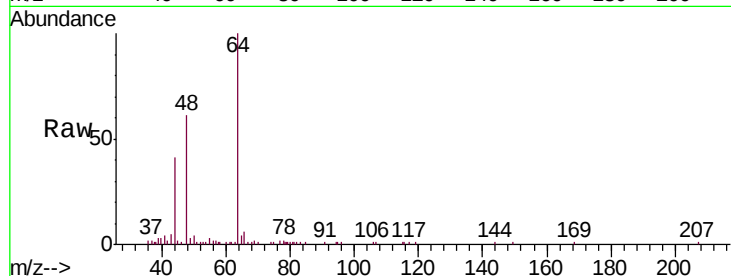
F9P48

Tgt Ion: 64 Resp: 5007

Ion Ratio Lower Upper

64 100

66 5.5 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

15000

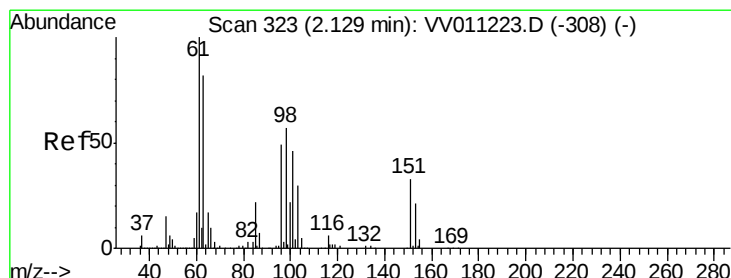
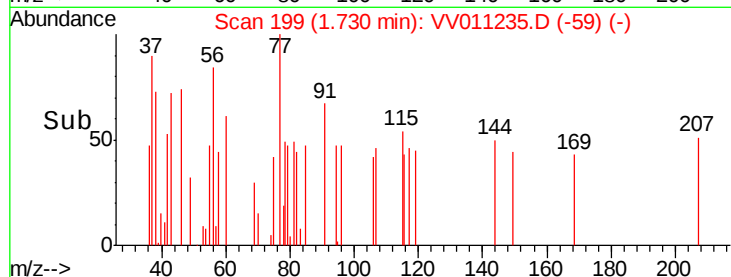
10000

5000

0

1.70 1.75

Time-->



#10

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

Concen: 0.090 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011235.D

Acq: 05 Jun 2019 17:42

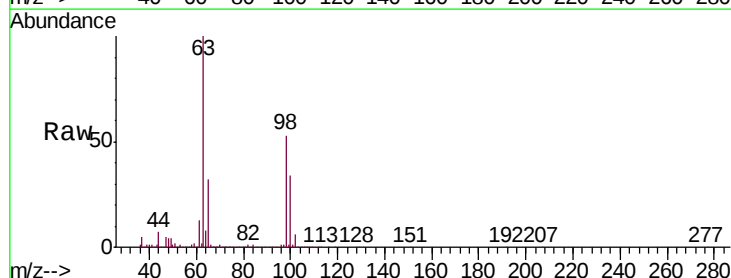
Tgt Ion: 101 Resp: 994

Ion Ratio Lower Upper

101 100

85 10.3 35.5 53.3#

151 7.2 56.9 85.3#



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

800

600

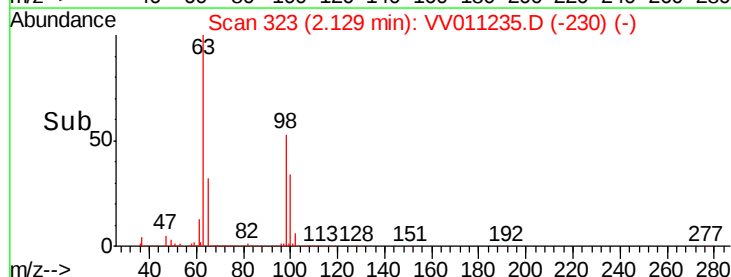
400

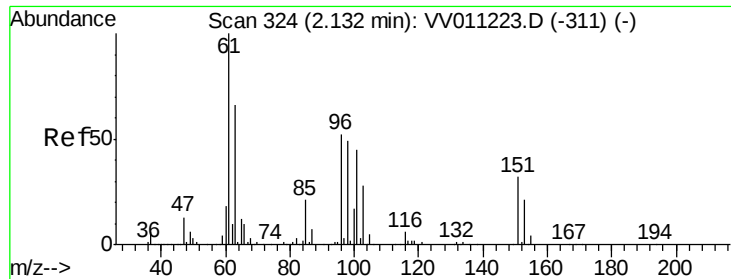
200

0

2.08 2.10 2.12 2.14 2.16

Time-->





#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV011235.D

Acq: 05 Jun 2019 17:42

Instrument :

MSVOA_V

ClientSampleId :

F9P48

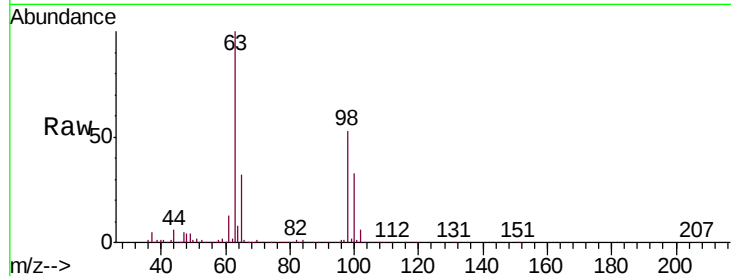
Tgt Ion: 96 Resp: 1080

Ion Ratio Lower Upper

96 100

61 1430.9 139.8 259.6#

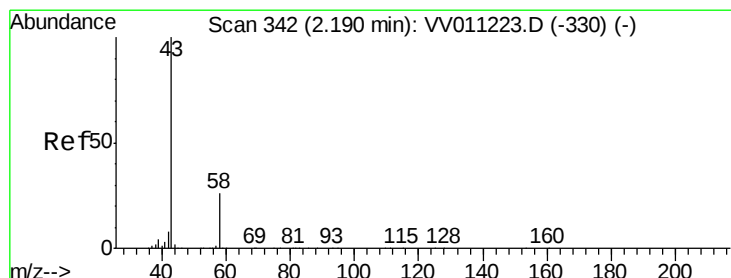
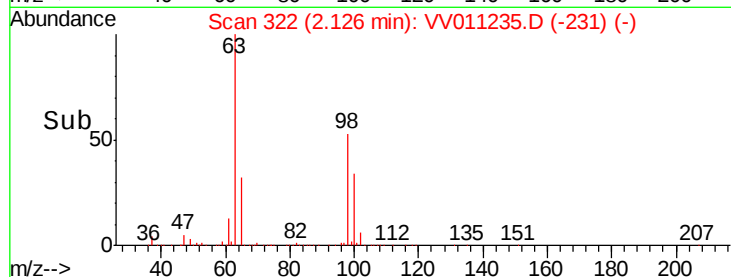
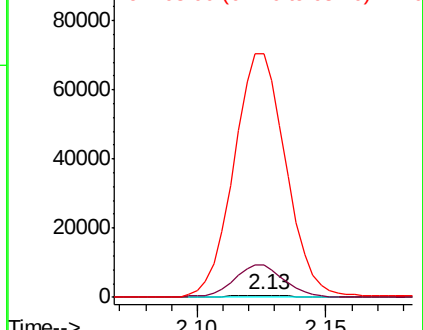
63 10924.2 94.3 175.1#



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: 5.980 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.05 min

Lab File: VV011235.D

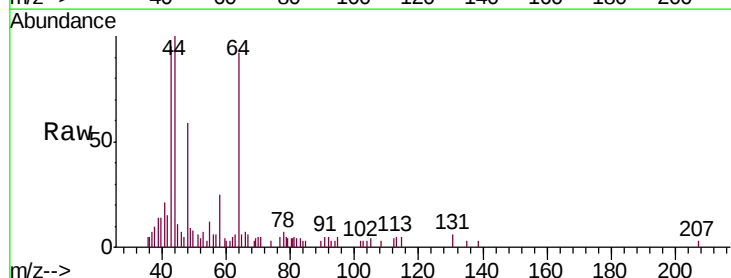
Acq: 05 Jun 2019 17:42

Tgt Ion: 43 Resp: 11674

Ion Ratio Lower Upper

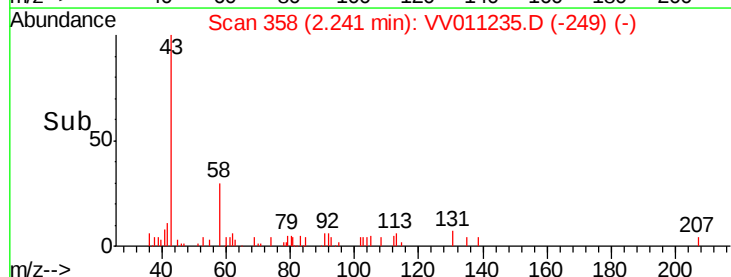
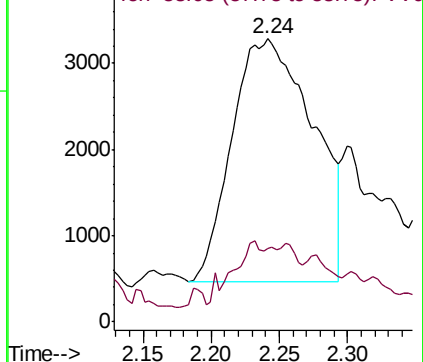
43 100

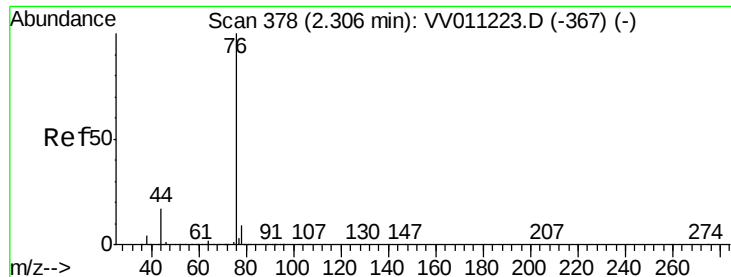
58 9.4 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.962 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV011235.D

Acq: 05 Jun 2019 17:42

Instrument :

MSVOA_V

ClientSampleId :

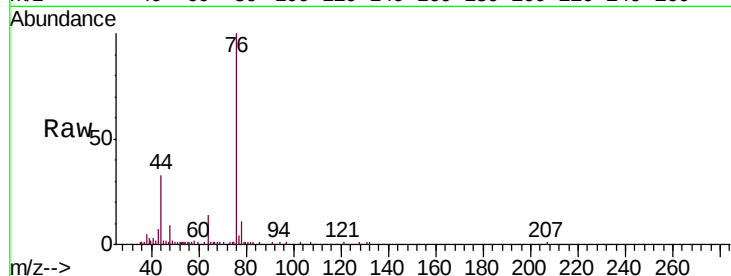
F9P48

Tgt Ion: 76 Resp: 31370

Ion Ratio Lower Upper

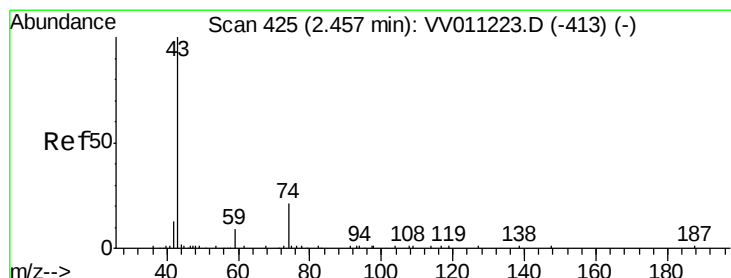
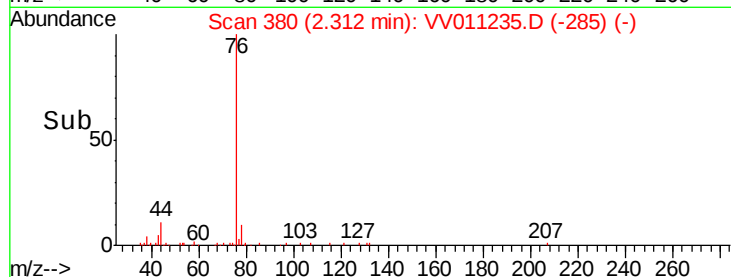
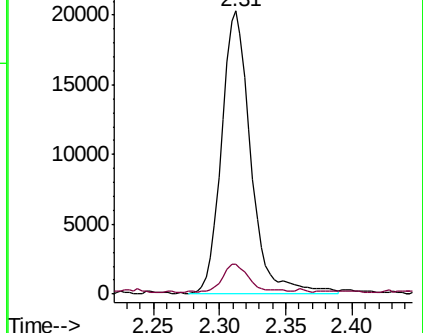
76 100

78 10.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.394 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV011235.D

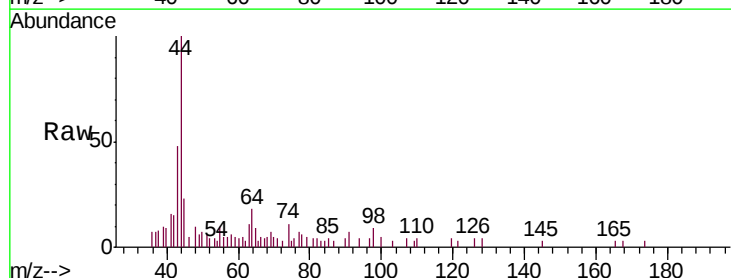
Acq: 05 Jun 2019 17:42

Tgt Ion: 43 Resp: 2044

Ion Ratio Lower Upper

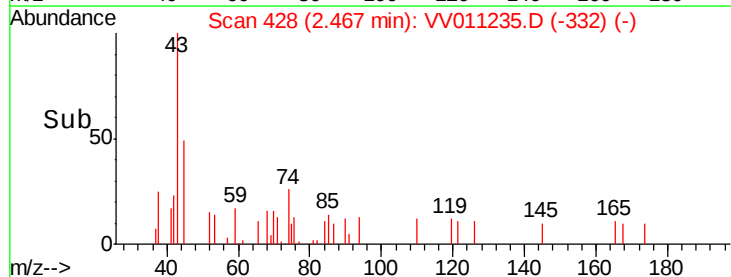
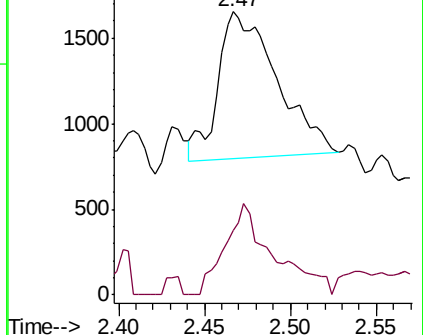
43 100

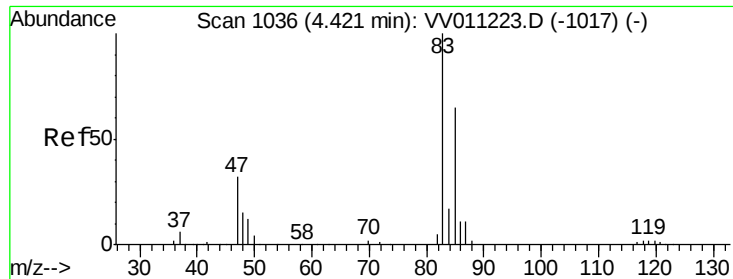
74 51.2 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

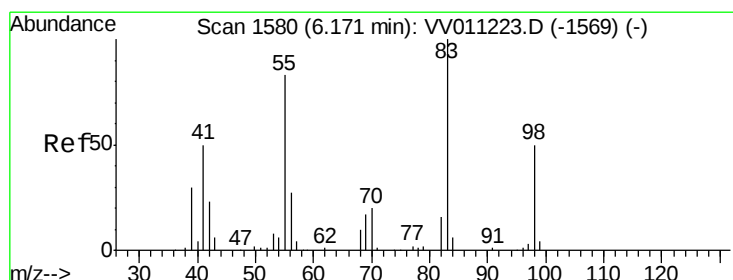
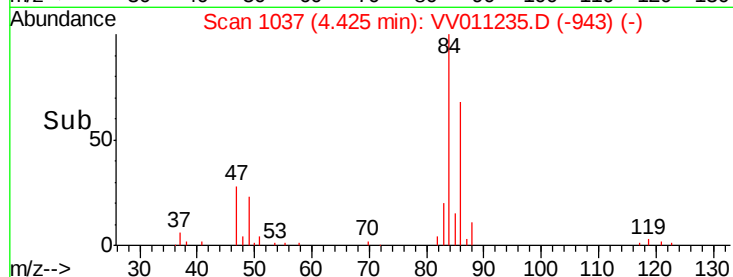
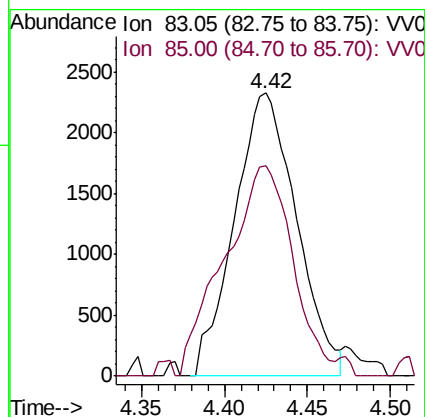
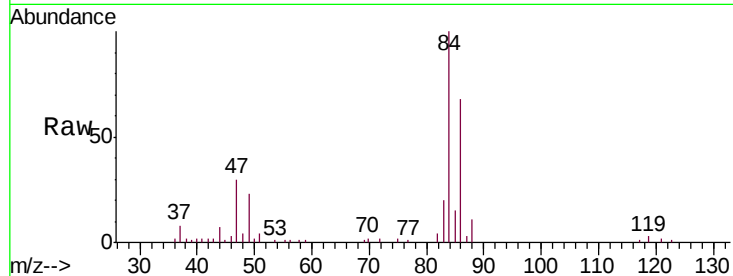




#25
Chloroform
Concen: 0.248 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011235.D
Acq: 05 Jun 2019 17:42

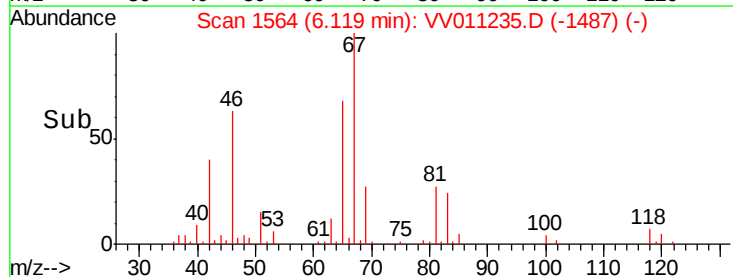
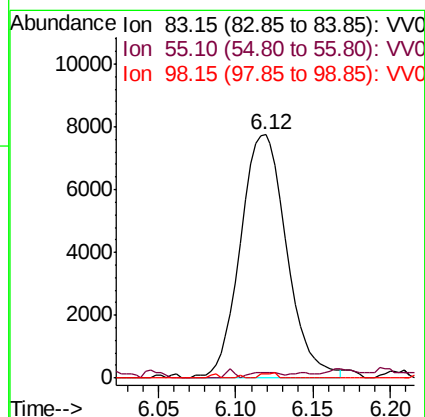
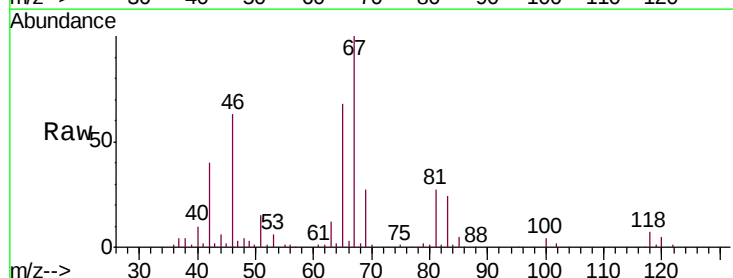
Instrument :
MSVOA_V
ClientSampleId :
F9P48

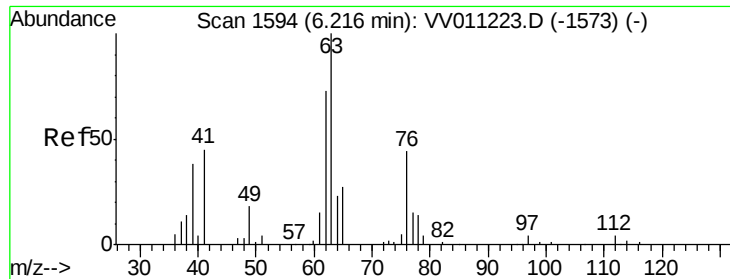
Tgt Ion: 83 Resp: 6075
Ion Ratio Lower Upper
83 100
85 74.3 44.1 81.9



#35
Methylcyclohexane
Concen: 0.739 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011235.D
Acq: 05 Jun 2019 17:42

Tgt Ion: 83 Resp: 16154
Ion Ratio Lower Upper
83 100
55 1.6 67.0 100.6#
98 0.7 40.0 60.0#





#37

1,2-Dichloropropane

Concen: 0.655 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV011235.D

Acq: 05 Jun 2019 17:42

Instrument :

MSVOA_V

ClientSampleId :

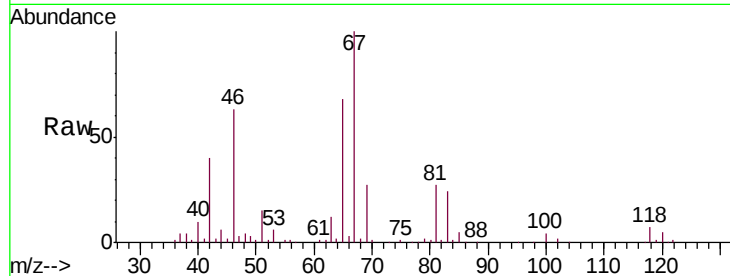
F9P48

Tgt Ion: 63 Resp: 8346

Ion Ratio Lower Upper

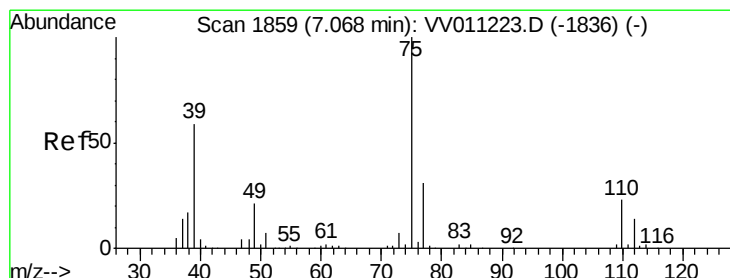
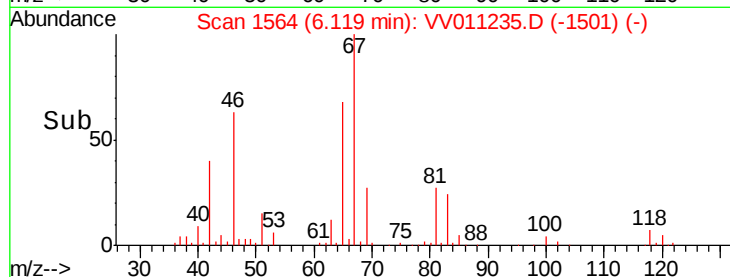
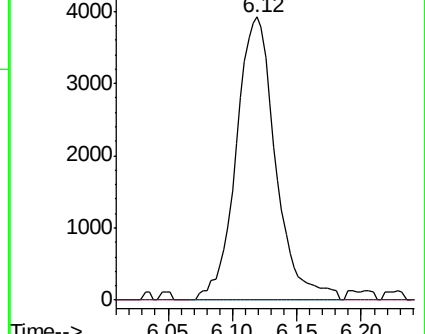
63 100

112 0.3 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV011235.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV011235.D (-1501) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.123 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV011235.D

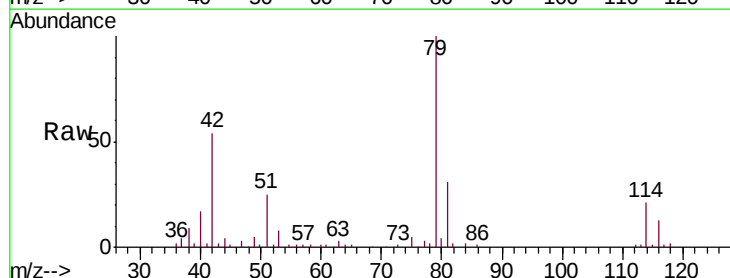
Acq: 05 Jun 2019 17:42

Tgt Ion: 75 Resp: 2289

Ion Ratio Lower Upper

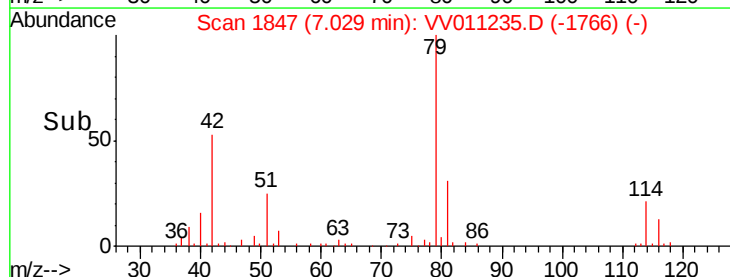
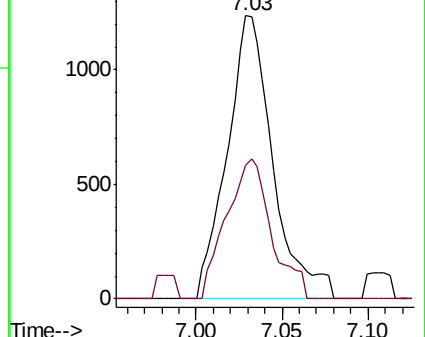
75 100

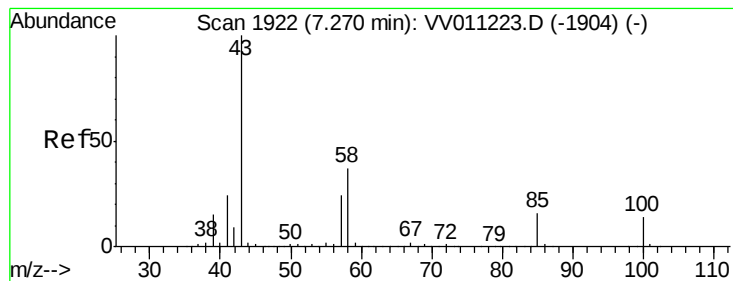
77 47.2 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VV011235.D (-1766) (-)

Ion 77.05 (76.75 to 77.75): VV011235.D (-1766) (-)





#40

4-Methyl-2-pentanone

Concen: 1.383 ug/L

RT: 7.28 min Scan# 1926

Delta R.T. 0.01 min

Lab File: VV011235.D

Acq: 05 Jun 2019 17:42

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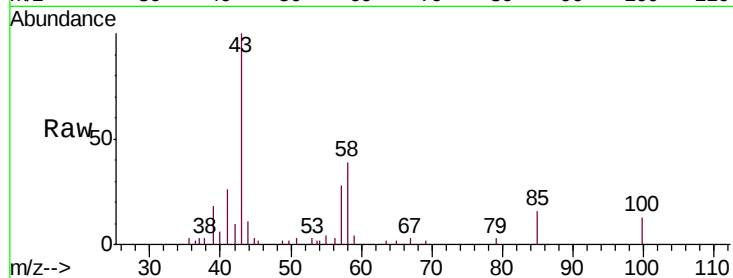
Tgt Ion: 43 Resp: 11219

Ion Ratio Lower Upper

43 100

58 40.9 29.3 43.9

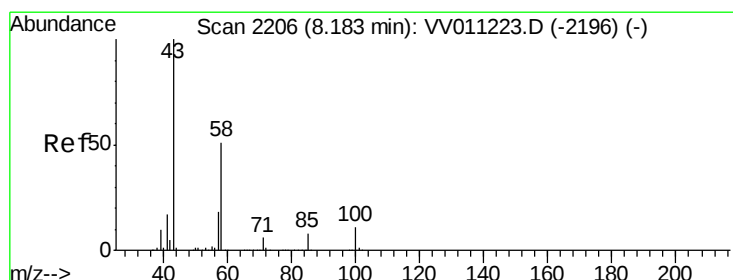
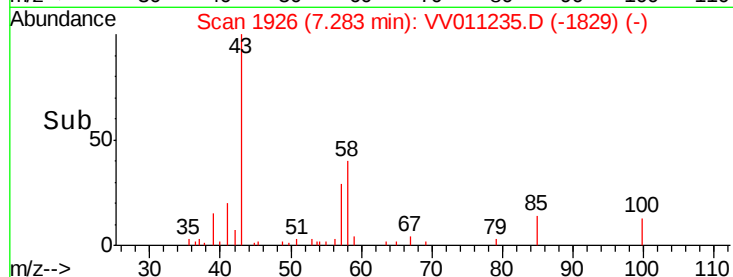
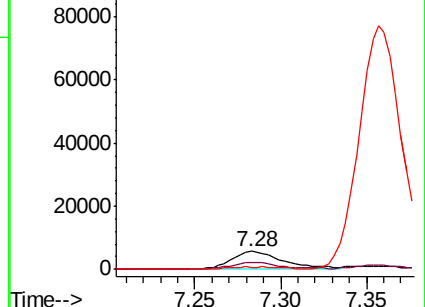
100 0.0 10.6 16.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0



#48

2-Hexanone

Concen: 4.977 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV011235.D

Acq: 05 Jun 2019 17:42

Tgt Ion: 43 Resp: 28148

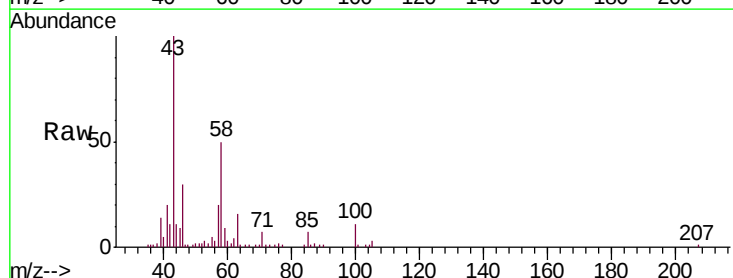
Ion Ratio Lower Upper

43 100

58 49.9 41.4 62.0

57 19.3 15.0 22.4

100 10.6 9.0 13.4



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

