

Data File : VV011462.D
Acq On : 13 Jun 2019 15:58
Operator : SY/MD
Sample : K3314-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM19

Quant Time: Jun 14 04:42:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 04:38:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	136612	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	120809	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46305	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30915	2.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.80%
7) Chloroethane-d5	1.58	69	31744	3.69	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.80%
11) 1,1-Dichloroethene-d2	2.12	63	59384	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	3.97	46	135585	58.18	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.36%
24) Chloroform-d	4.40	84	84592	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	52053	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.10	84	164469	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.12	67	53465	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	137392	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.67	79	14585	3.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.80%
46) 2-Hexanone-d5	8.14	63	99469	55.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39067	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	46519	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

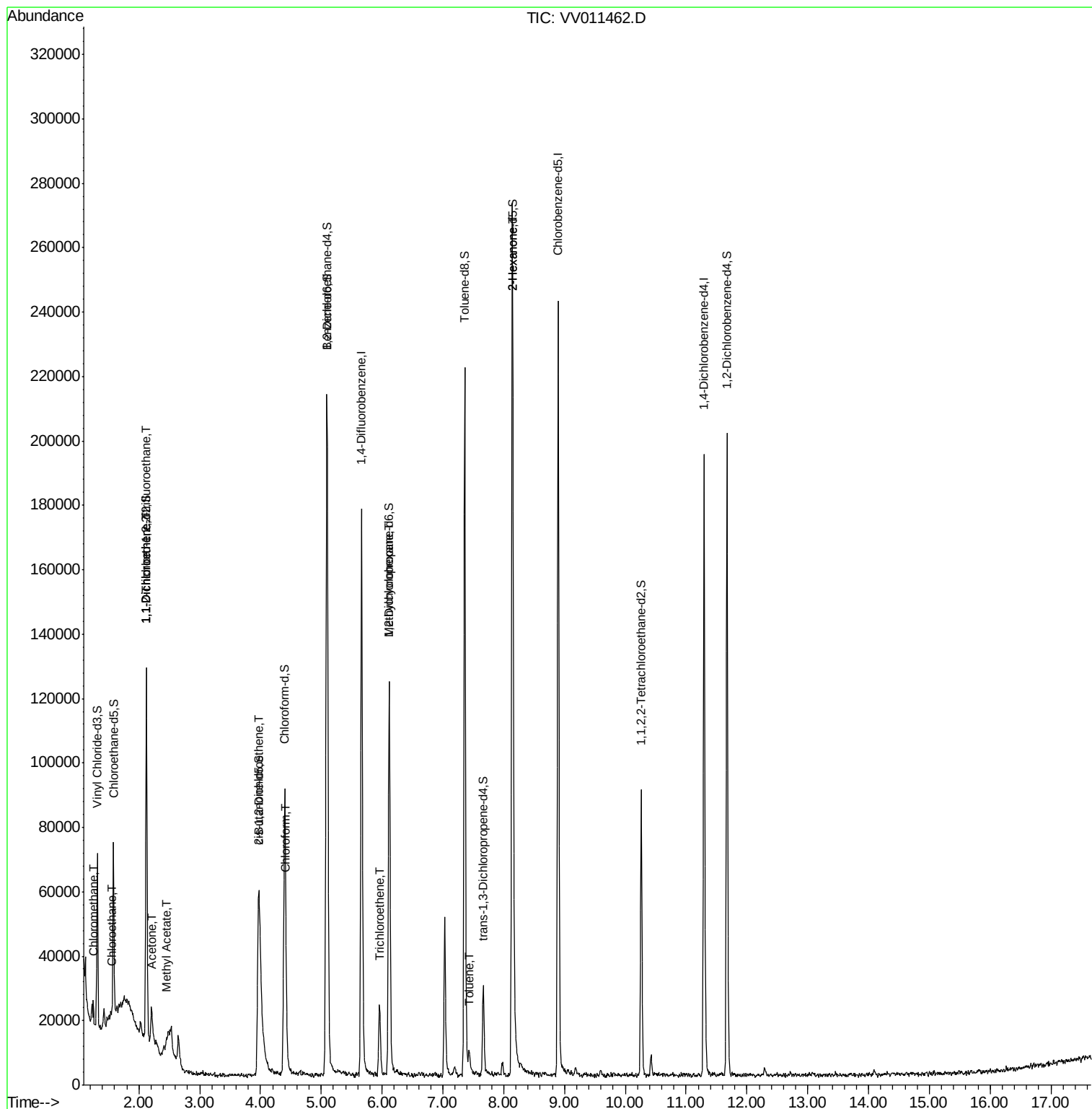
					Qvalue
3) Chloromethane	1.25	50	3222	0.247 ug/L	99
8) Chloroethane	1.55	64	4902	0.610 ug/L #	59
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	720	0.081 ug/L #	24
12) 1,1-Dichloroethene	2.13	96	3391	0.394 ug/L #	1
13) Acetone	2.23	43	6041	3.866 ug/L	72
15) Methyl Acetate	2.46	43	1254	0.302 ug/L #	56
22) cis-1,2-Dichloroethene	3.96	96	2110	0.198 ug/L	97
25) Chloroform	4.43	83	2157	0.110 ug/L	90
34) Trichloroethene	5.96	95	6975	0.702 ug/L	92
35) Methylcyclohexane	6.12	83	13762	0.838 ug/L #	16
42) Toluene	7.43	91	4082	0.100 ug/L	99
48) 2-Hexanone	8.14	43	13471	3.170 ug/L #	75

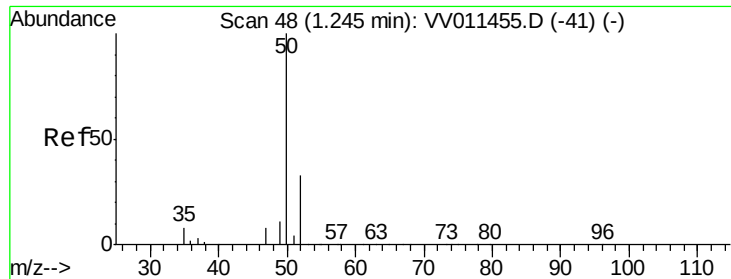
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.247 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.01 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

Instrument :

MSVOA_V

ClientSampleId :

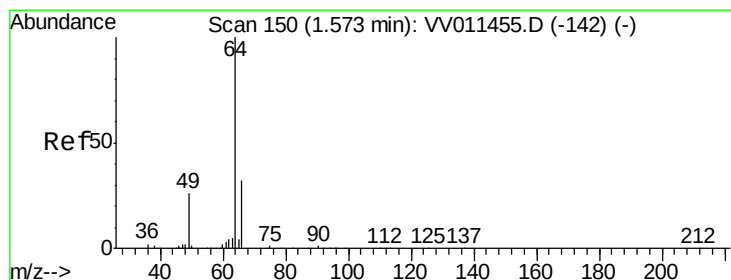
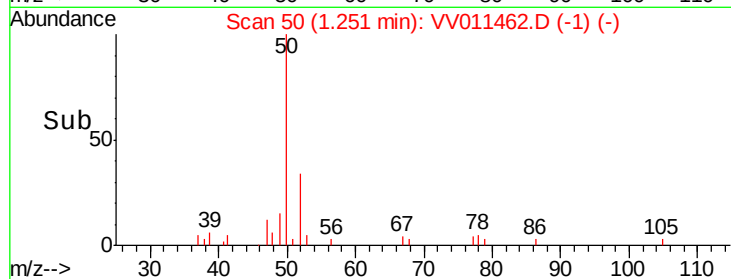
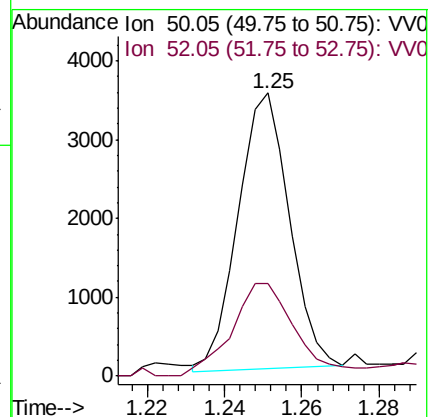
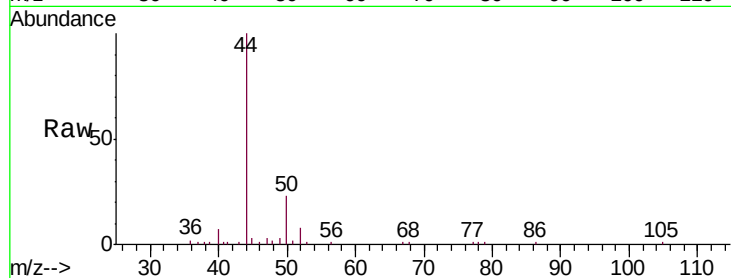
COM19

Tgt Ion: 50 Resp: 3222

Ion Ratio Lower Upper

50 100

52 32.7 22.3 41.5



#8

Chloroethane

Concen: 0.610 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.02 min

Lab File: VV011462.D

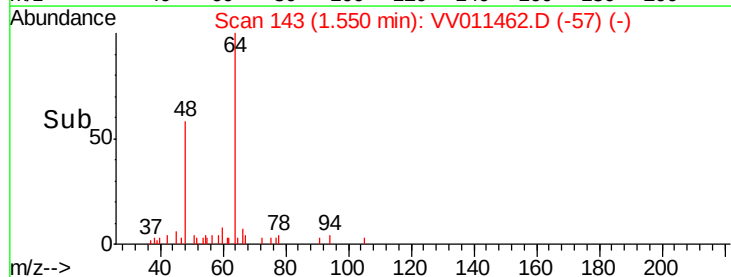
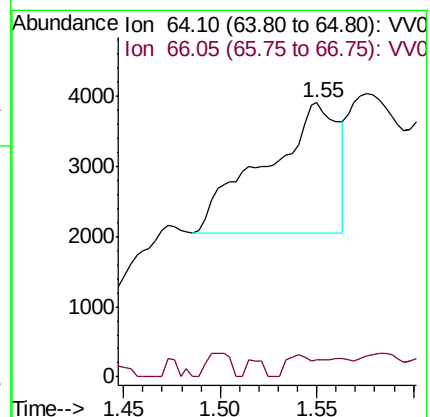
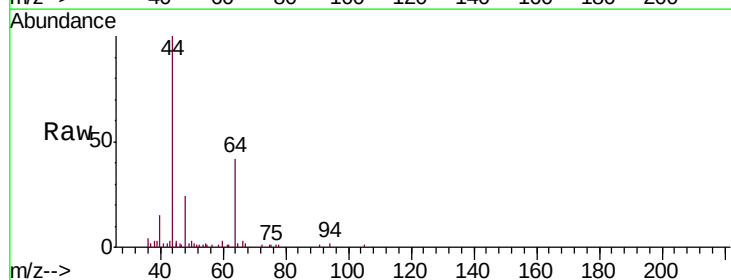
Acq: 13 Jun 2019 15:58

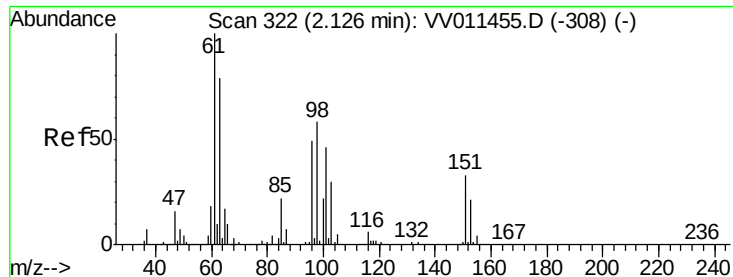
Tgt Ion: 64 Resp: 4902

Ion Ratio Lower Upper

64 100

66 6.1 19.4 36.0#





#10

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

Concen: 0.081 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

Instrument :

MSVOA_V

ClientSampled :

COM19

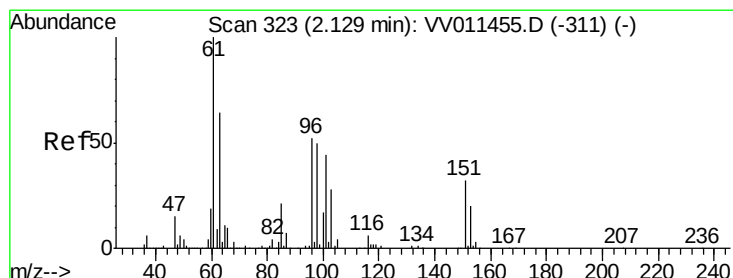
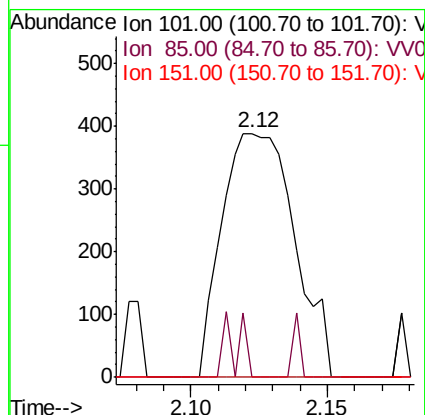
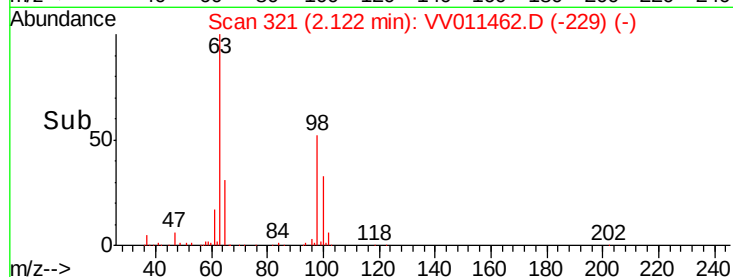
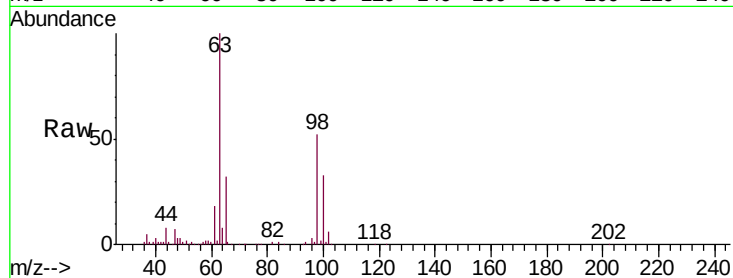
Tgt Ion: 101 Resp: 720

Ion Ratio Lower Upper

101 100

85 5.6 35.5 53.3#

151 0.0 56.9 85.3#



#12

1,1-Dichloroethene

Concen: 0.394 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

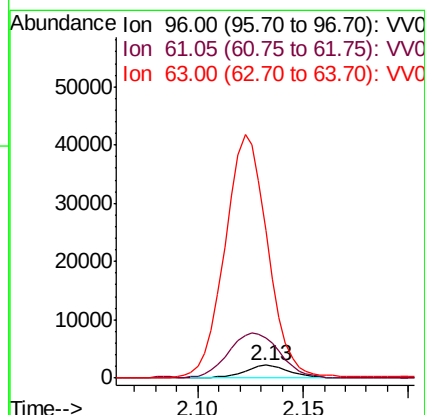
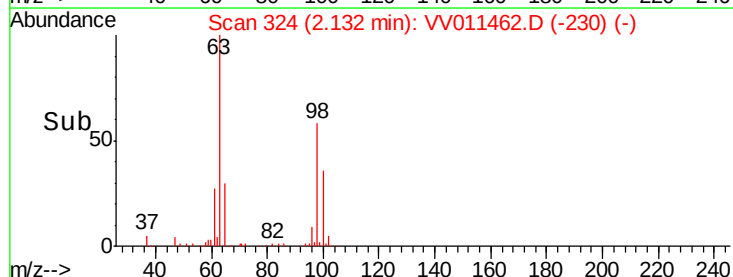
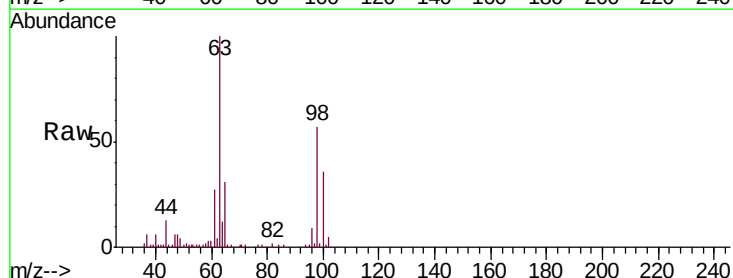
Tgt Ion: 96 Resp: 3391

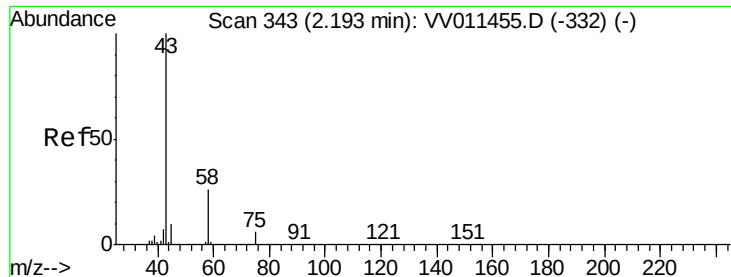
Ion Ratio Lower Upper

96 100

61 312.3 139.8 259.6#

63 1147.0 94.3 175.1#





#13

Acetone

Concen: 3.866 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.03 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

Instrument :

MSVOA_V

ClientSampled :

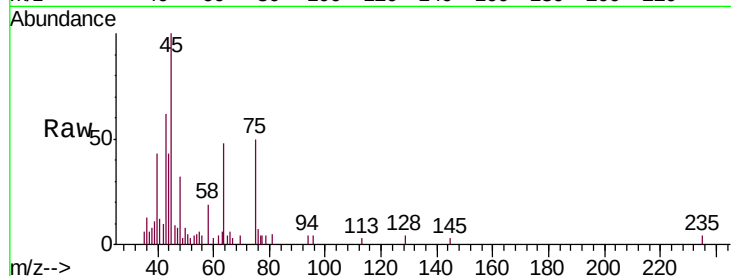
COM19

Tgt Ion: 43 Resp: 6041

Ion Ratio Lower Upper

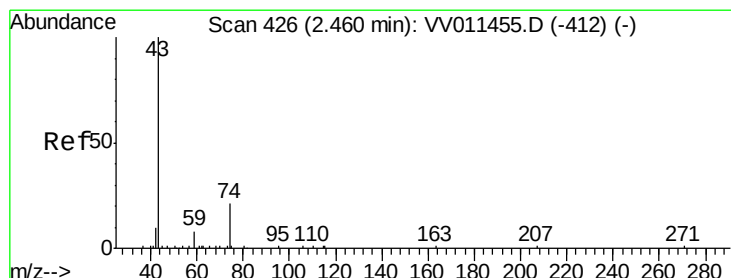
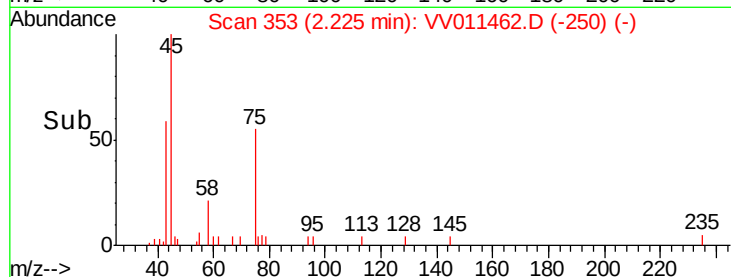
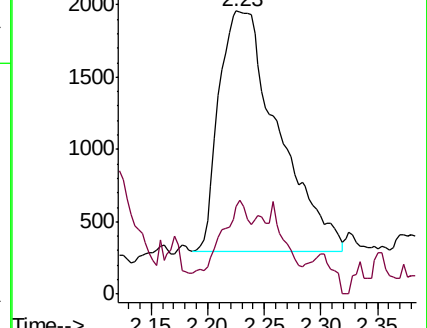
43 100

58 12.7 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 0.302 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV011462.D

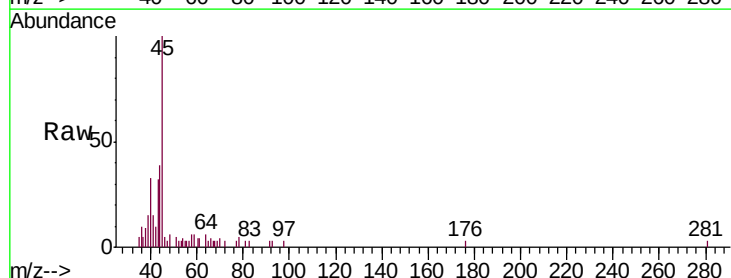
Acq: 13 Jun 2019 15:58

Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

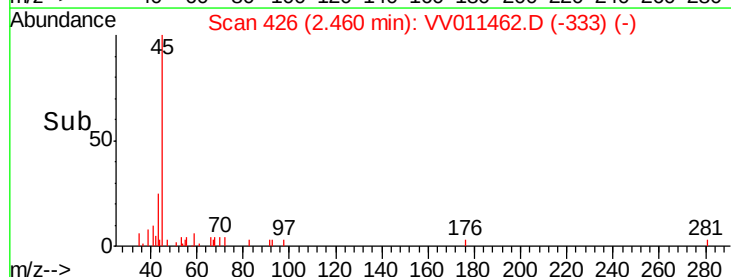
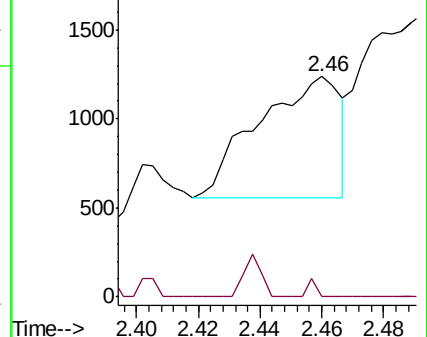
43 100

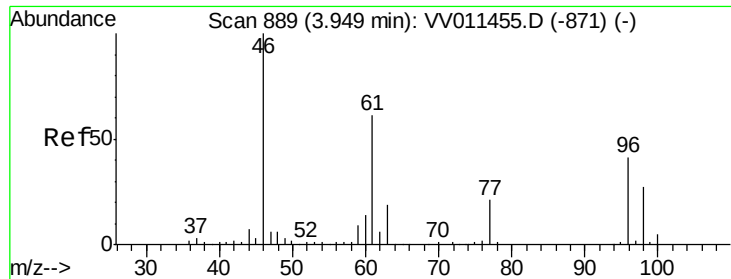
74 1.6 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

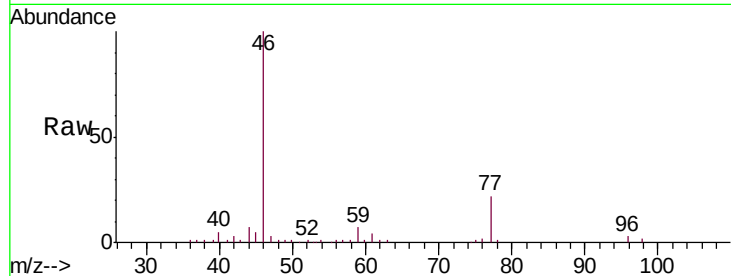




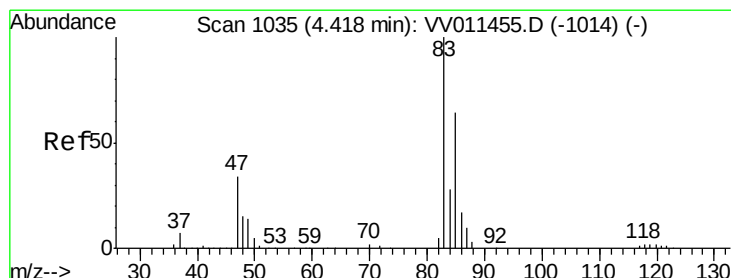
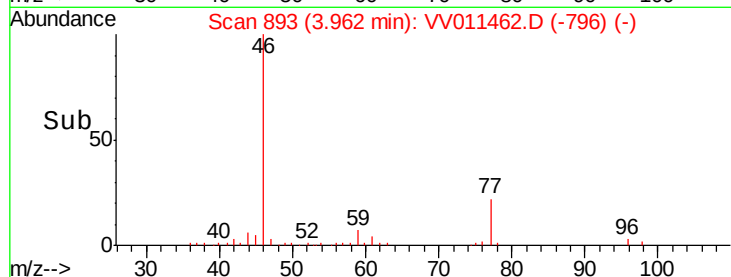
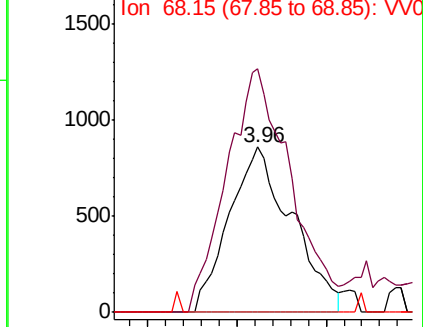
#22
 cis-1,2-Dichloroethene
 Concen: 0.198 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV011462.D
 Acq: 13 Jun 2019 15:58

Instrument :
 MSVOA_V
 ClientSampleId :
 COM19

Tgt Ion: 96 Resp: 2110
 Ion Ratio Lower Upper
 96 100
 61 147.6 100.8 187.2
 68 0.0 0.0 0.0

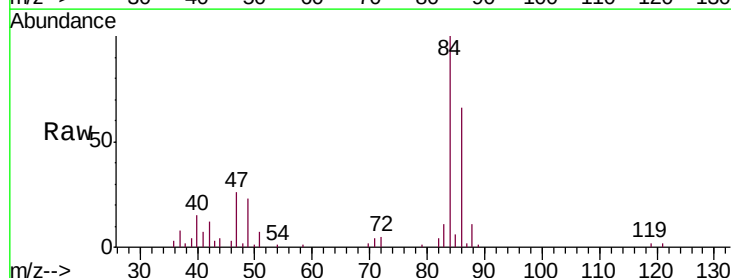


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

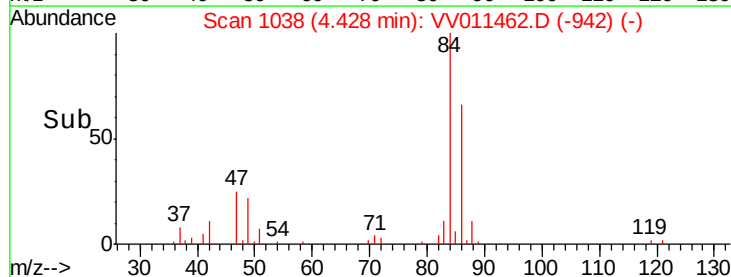
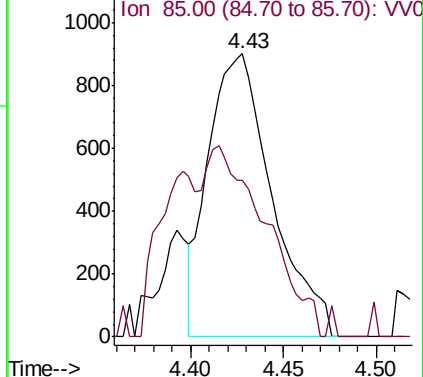


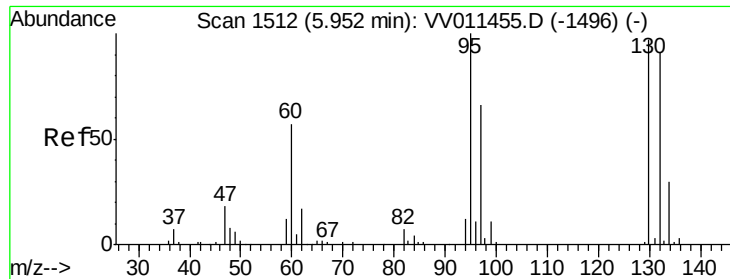
#25
 Chloroform
 Concen: 0.110 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VV011462.D
 Acq: 13 Jun 2019 15:58

Tgt Ion: 83 Resp: 2157
 Ion Ratio Lower Upper
 83 100
 85 55.5 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: 0.702 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

Instrument :

MSVOA_V

ClientSampled :

COM19

Tgt Ion: 95 Resp: 6975

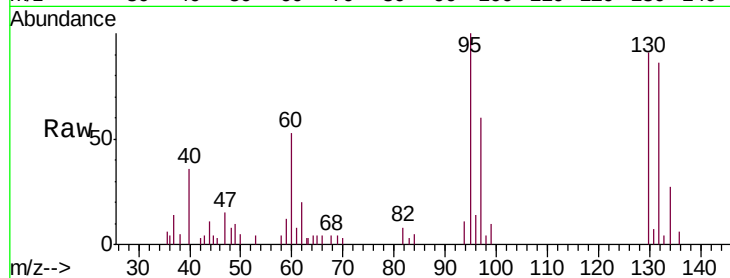
Ion Ratio Lower Upper

95 100

97 60.1 45.8 85.2

132 85.9 66.4 123.2

130 91.1 68.3 126.8



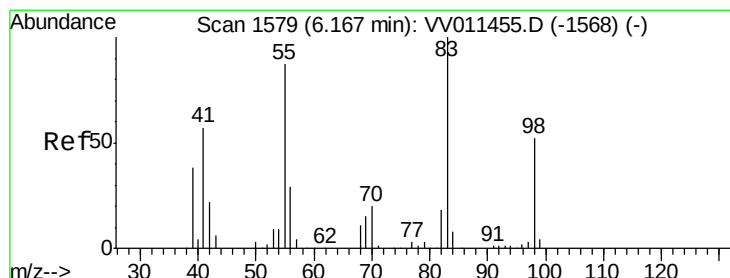
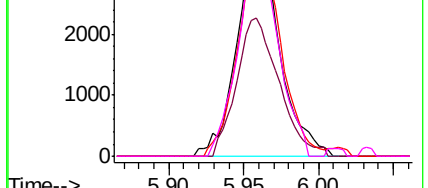
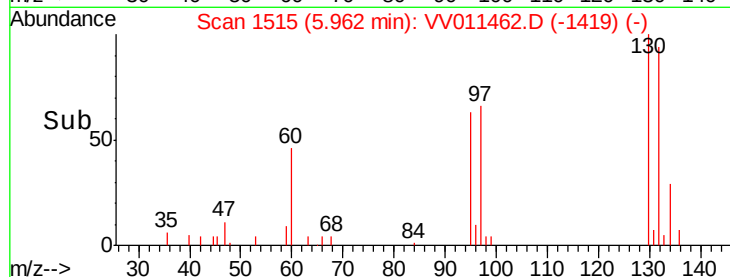
Abundance Ion 95.00 (94.70 to 95.70): VV011455.D (-1496) (-)

Ion 96.95 (96.65 to 97.65): VV011455.D (-1496) (-)

Ion 131.95 (131.65 to 132.65): VV011455.D (-1496) (-)

Ion 129.95 (129.65 to 130.65): VV011455.D (-1496) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.838 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

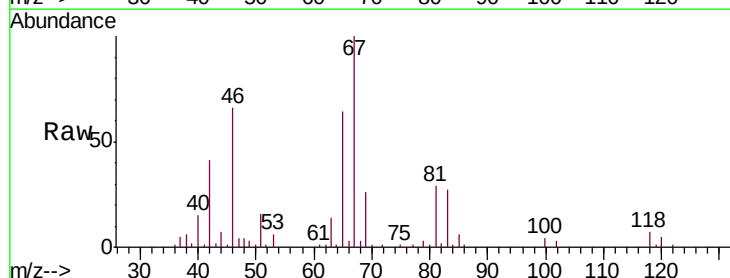
Tgt Ion: 83 Resp: 13762

Ion Ratio Lower Upper

83 100

55 1.0 67.0 100.6#

98 0.3 40.0 60.0#

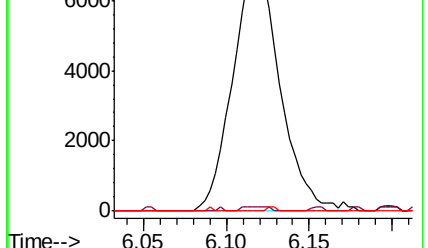
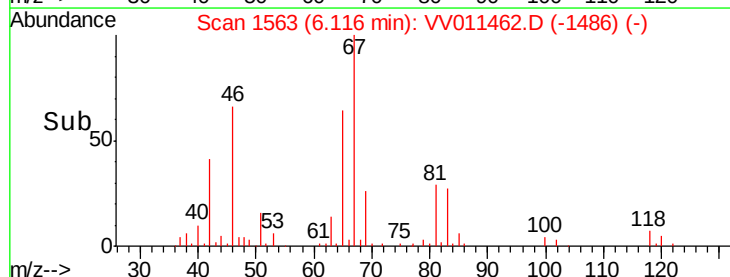


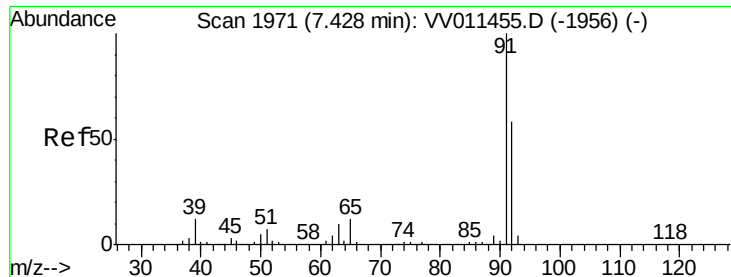
Abundance Ion 83.15 (82.85 to 83.85): VV011455.D (-1568) (-)

Ion 55.10 (54.80 to 55.80): VV011455.D (-1568) (-)

Ion 98.15 (97.85 to 98.85): VV011455.D (-1568) (-)

Time-->





#42

Toluene

Concen: 0.100 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

Instrument :

MSVOA_V

ClientSampleId :

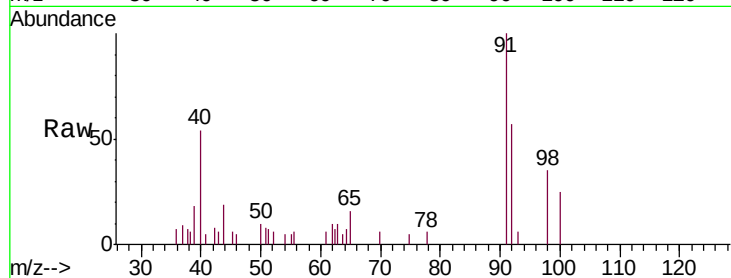
COM19

Tgt Ion: 91 Resp: 4082

Ion Ratio Lower Upper

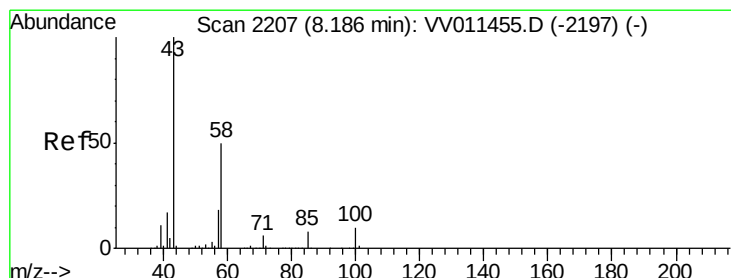
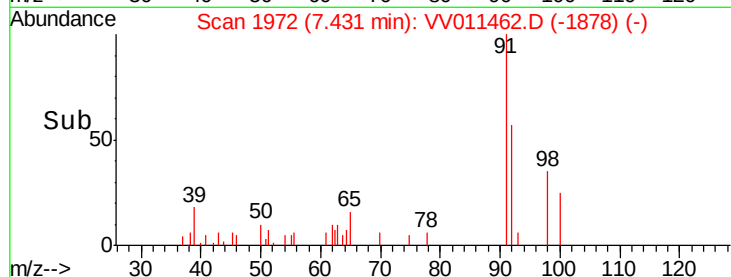
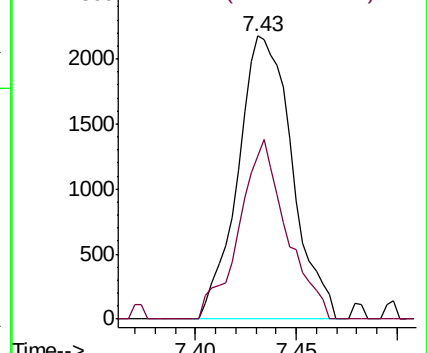
91 100

92 57.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#48

2-Hexanone

Concen: 3.170 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV011462.D

Acq: 13 Jun 2019 15:58

Tgt Ion: 43 Resp: 13471

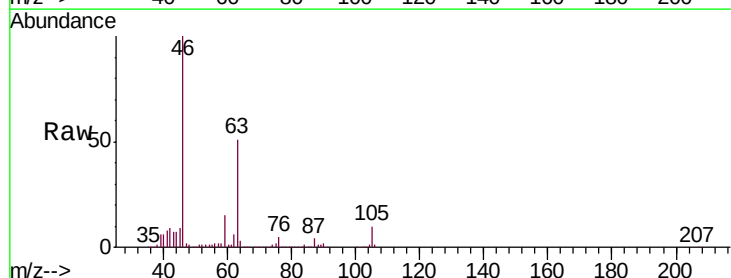
Ion Ratio Lower Upper

43 100

58 32.3 41.4 62.0#

57 26.6 15.0 22.4#

100 1.2 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

