

Data File : VV011926.D
Acq On : 17 Jul 2019 21:29
Operator : SY/MD
Sample : K3823-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52R6

Quant Time: Jul 18 02:23:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	177305	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	164149	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70131	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138894	10.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	213.40%#
7) Chloroethane-d5	1.58	69	49044	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.14	63	145678	6.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	136.80%#
20) 2-Butanone-d5	4.00	46	149846	45.56	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.12%
24) Chloroform-d	4.41	84	119055	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.08	65	63792	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	246877	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.12	67	81571	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.36	98	218409	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.67	79	26570	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.13	63	111613	51.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53337	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	76253	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	67114	3.814 ug/L #	42
5) Vinyl chloride	1.32	62	8738753	516.223 ug/L	88
8) Chloroethane	1.32	64	3171766	329.453 ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	980	0.095 ug/L #	25
12) 1,1-Dichloroethene	2.14	96	142663	15.096 ug/L #	81
13) Acetone	2.19	43	9208	5.517 ug/L	99
14) Carbon disulfide	2.41	76	15965	0.596 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	4273	0.149 ug/L #	76
18) trans-1,2-Dichloroethene	2.79	96	1767755	133.049 ug/L	97
19) 1,1-Dichloroethane	3.23	63	134749	5.379 ug/L	99
34) Trichloroethene	5.96	95	10195	0.714 ug/L	97
37) 1,2-Dichloropropane	6.22	63	1656	0.132 ug/L #	47
39) cis-1,3-Dichloropropene	7.03	75	2208	0.129 ug/L #	63
42) Toluene	7.43	91	41551	0.771 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.44	75	1760	1.466 ug/L #	3
69) Naphthalene	13.56	128	1486	0.069 ug/L #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071719\
Quantitation Report (Not Reviewed)

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QLast Update : Thu Jul 18 02:17:52 2019
Response via : Initial Calibration

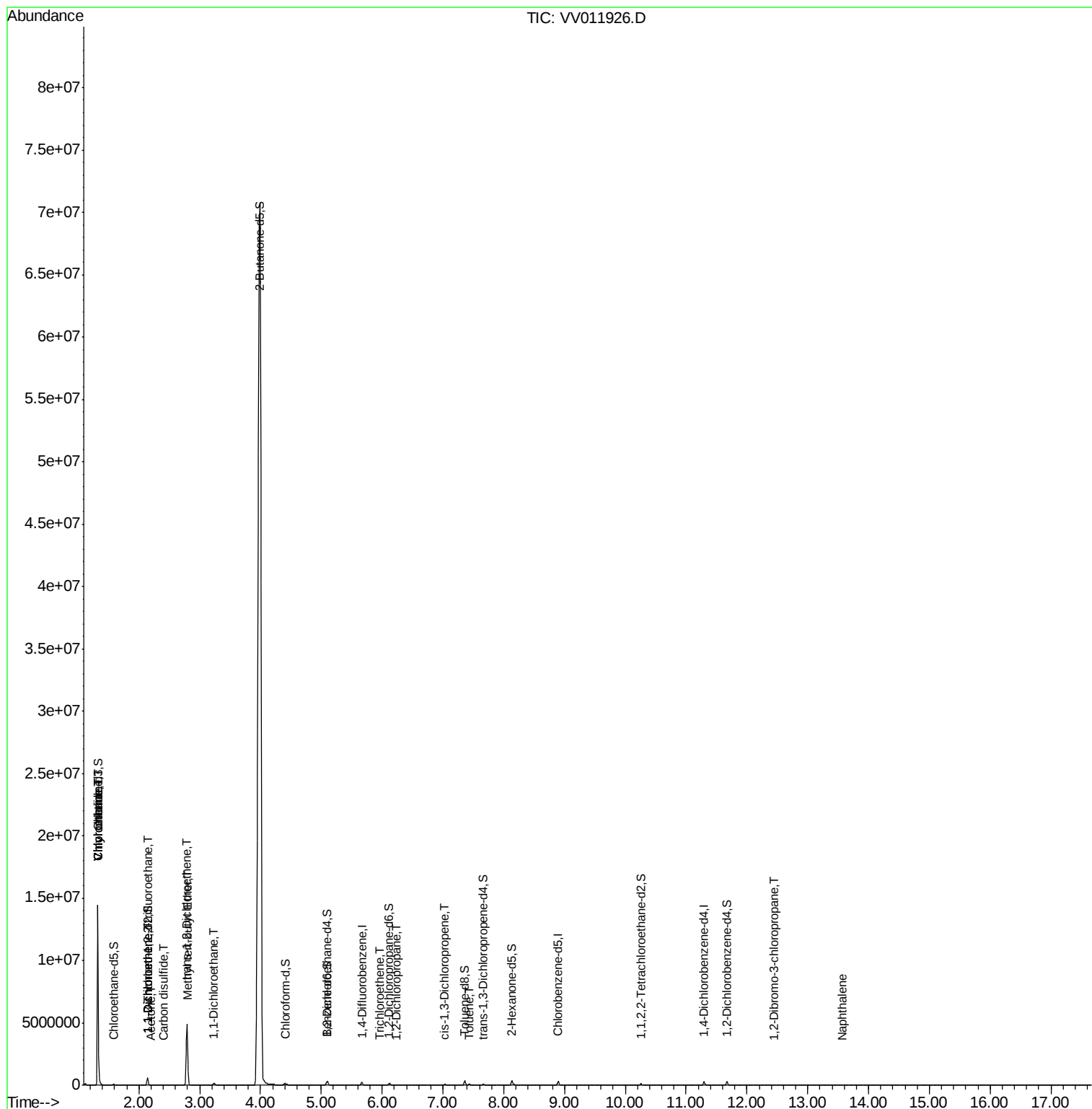
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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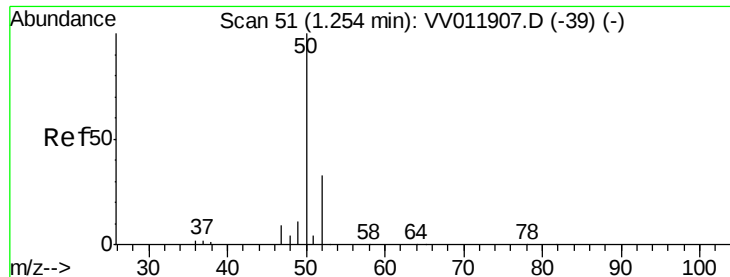
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.814 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.07 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

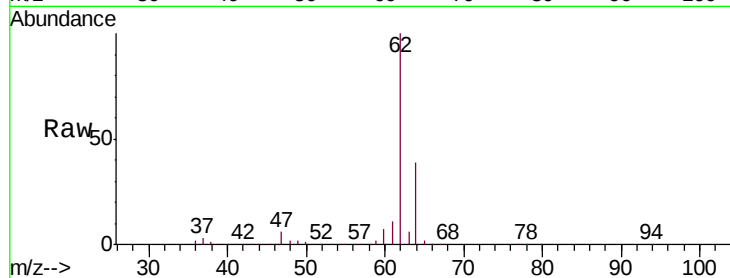
A52R6

Tgt Ion: 50 Resp: 67114

Ion Ratio Lower Upper

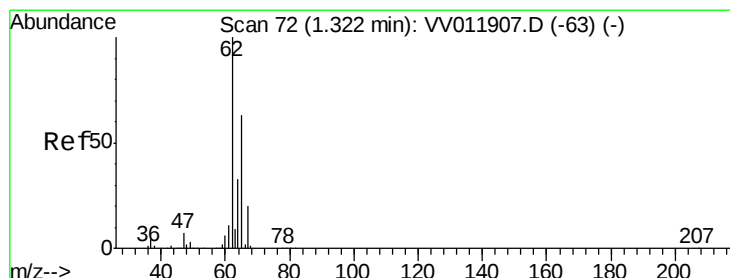
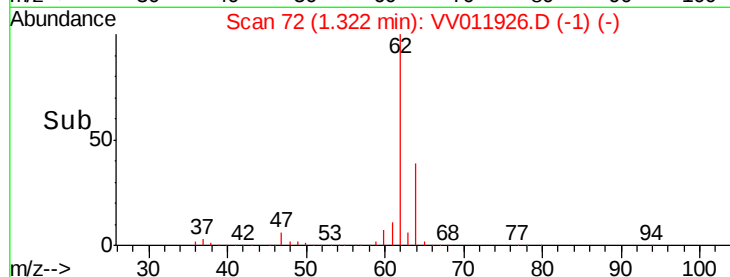
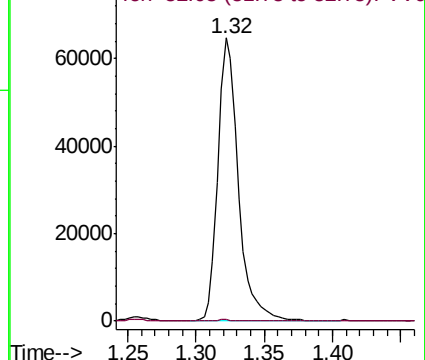
50 100

52 0.4 23.1 42.9#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 516.223 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011926.D

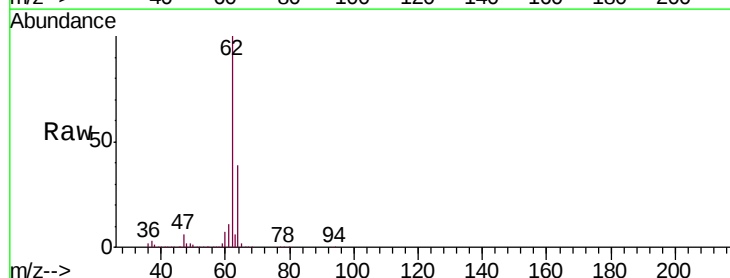
Acq: 17 Jul 2019 21:29

Tgt Ion: 62 Resp: 8738753

Ion Ratio Lower Upper

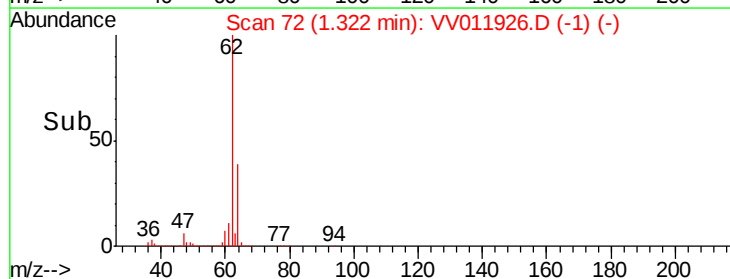
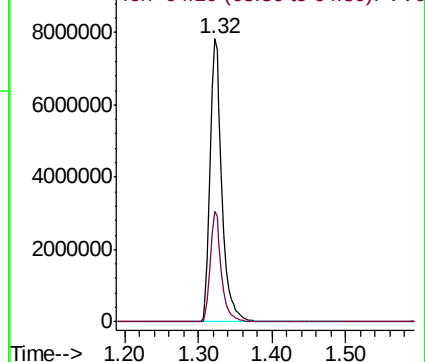
62 100

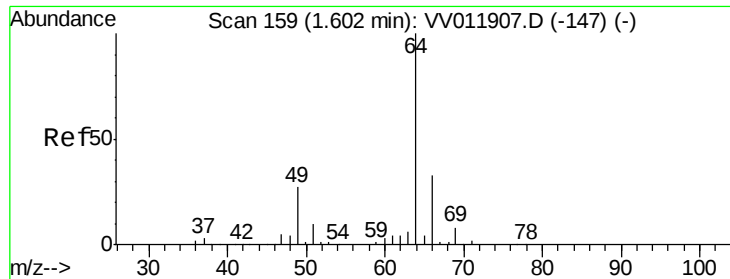
64 39.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 329.453 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

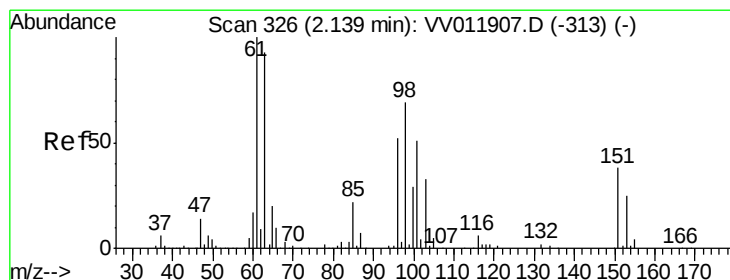
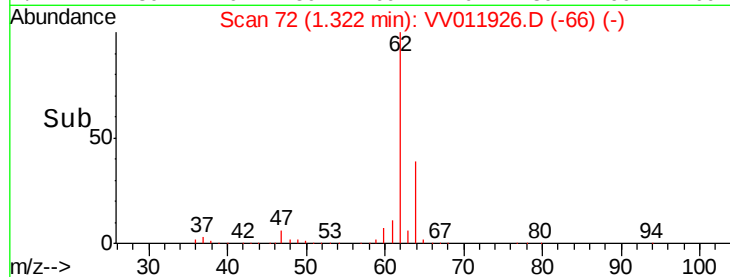
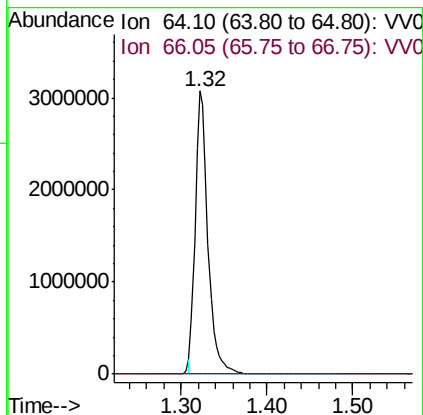
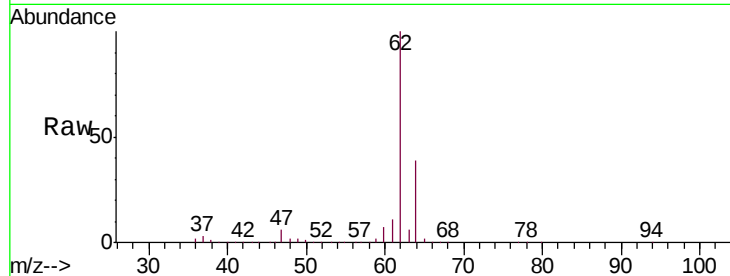
Instrument :
MSVOA_V
ClientSampleId :
A52R6

Tgt Ion: 64 Resp: 3171766

Ion Ratio Lower Upper

64 100

66 0.1 23.2 43.2#



#10

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

Concen: 0.095 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

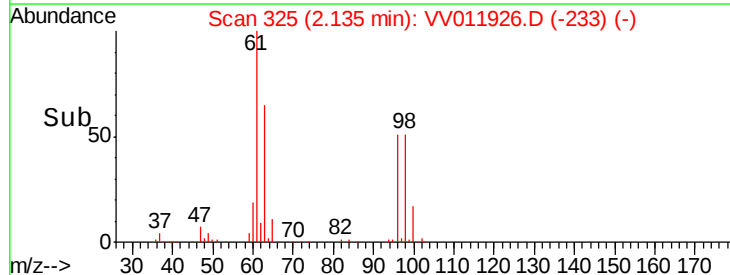
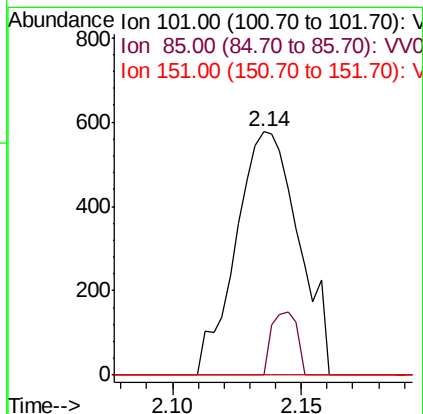
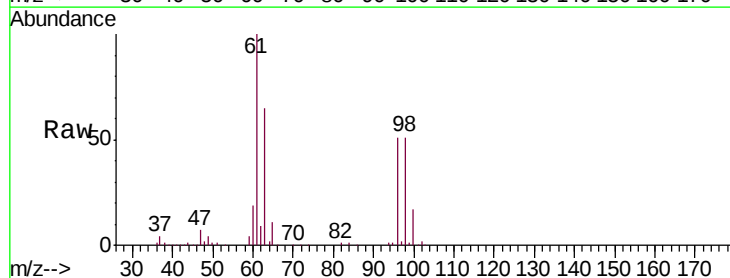
Tgt Ion: 101 Resp: 980

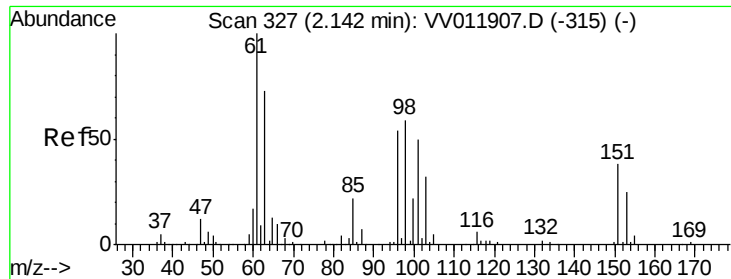
Ion Ratio Lower Upper

101 100

85 10.6 34.7 52.1#

151 0.0 61.5 92.3#

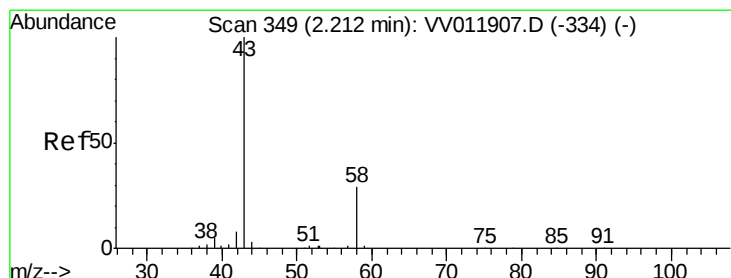
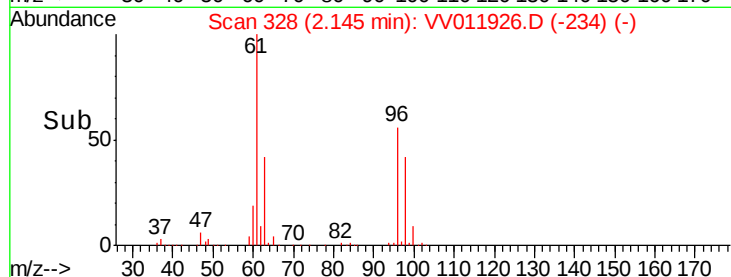
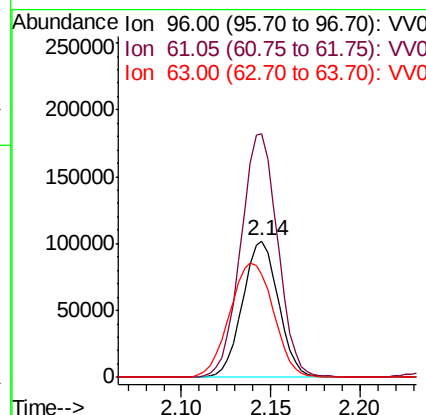
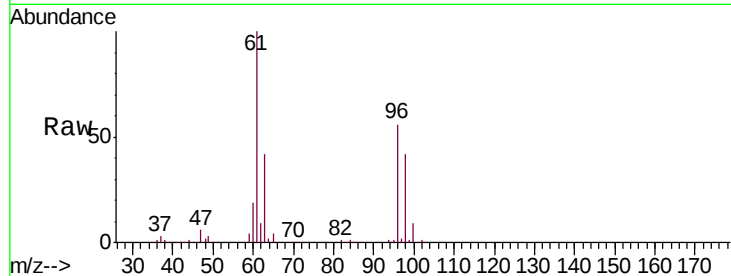




#12
 1,1-Dichloroethene
 Concen: 15.096 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV011926.D
 Acq: 17 Jul 2019 21:29

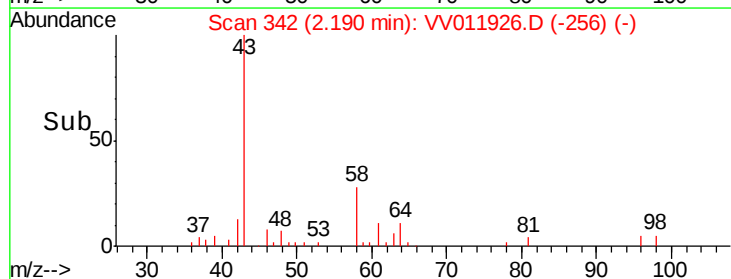
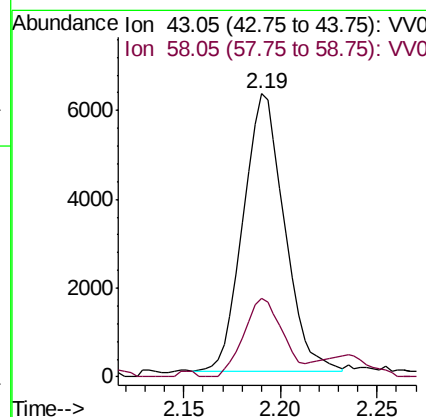
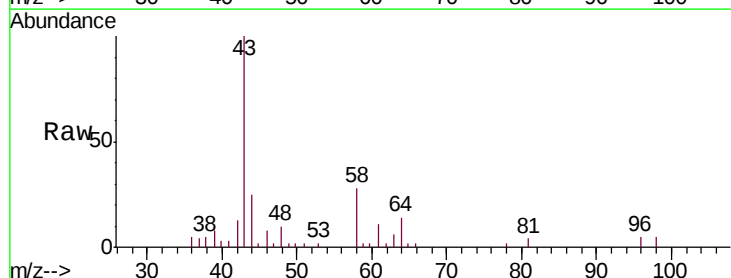
Instrument :
 MSVOA_V
 ClientSampleID :
 A52R6

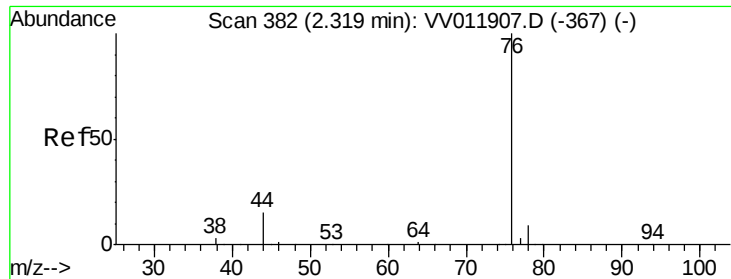
Tgt Ion	Resp	Lower	Upper
96	142663		
Ion Ratio			
96	100		
61	178.4	128.9	239.3
63	75.3	85.5	158.9#



#13
 Acetone
 Concen: 5.517 ug/L
 RT: 2.19 min Scan# 342
 Delta R.T. -0.02 min
 Lab File: VV011926.D
 Acq: 17 Jul 2019 21:29

Tgt Ion	Resp	Lower	Upper
43	9208		
Ion Ratio			
43	100		
58	27.1	0.0	55.6





#14

Carbon disulfide

Concen: 0.596 ug/L

RT: 2.41 min Scan# 411

Delta R.T. 0.09 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

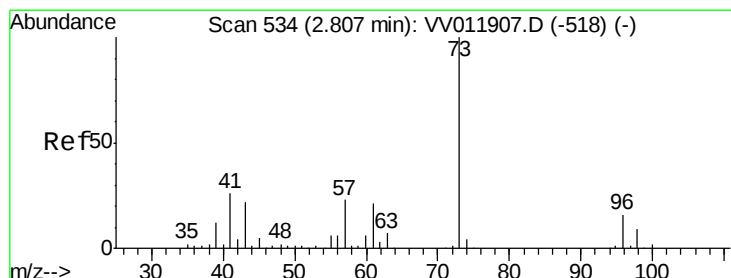
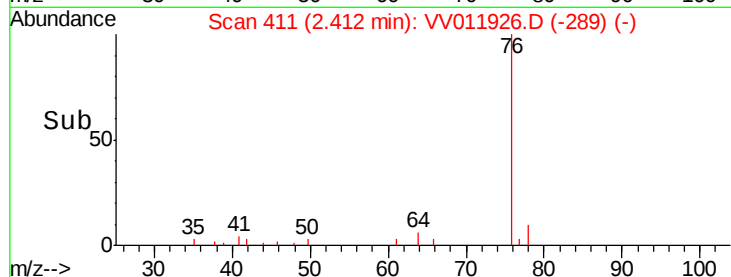
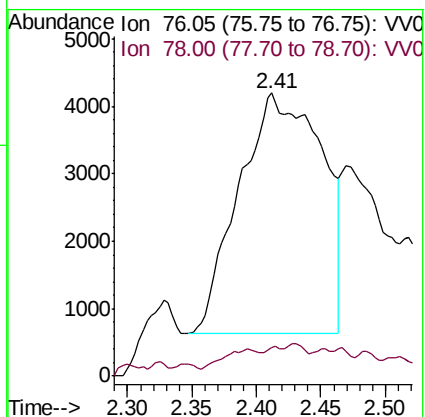
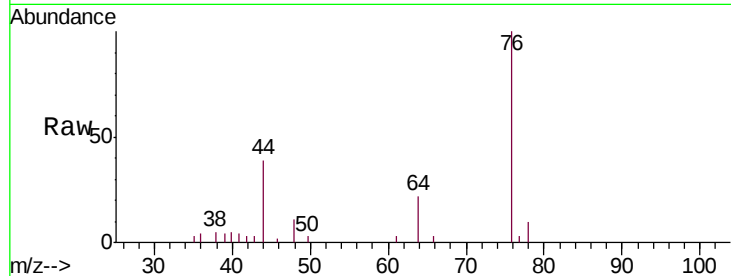
A52R6

Tgt Ion: 76 Resp: 15965

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.2



#17

Methyl tert-butyl Ether

Concen: 0.149 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

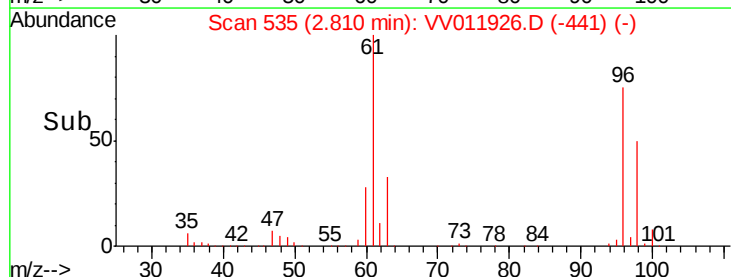
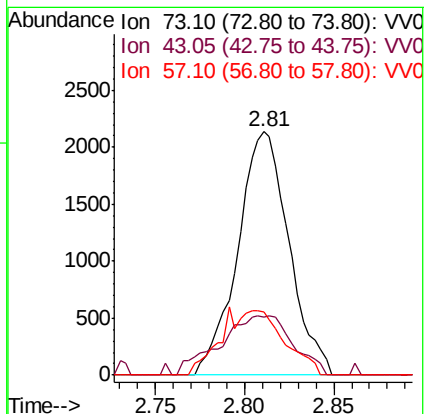
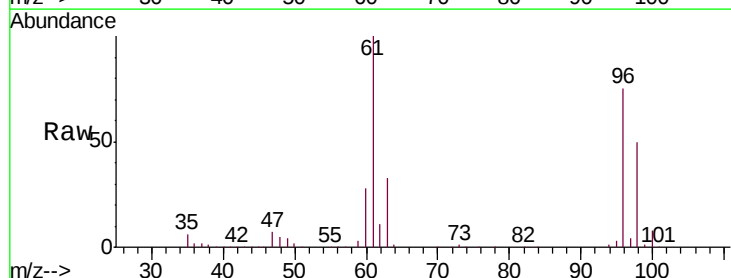
Tgt Ion: 73 Resp: 4273

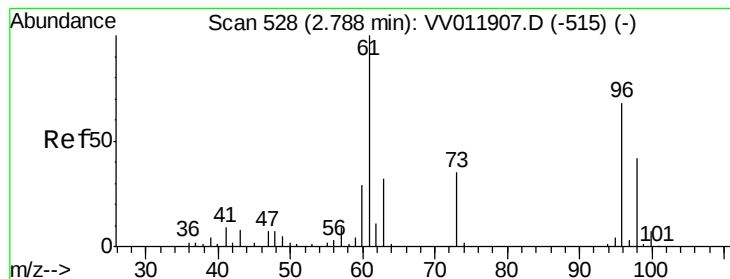
Ion Ratio Lower Upper

73 100

43 34.7 17.6 26.4#

57 33.0 17.8 26.8#





#18

trans-1,2-Dichloroethene

Concen: 133.049 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

A52R6

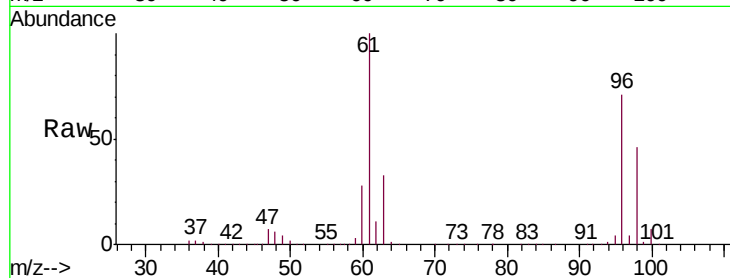
Tgt Ion: 96 Resp: 1767755

Ion Ratio Lower Upper

96 100

61 141.4 102.2 189.8

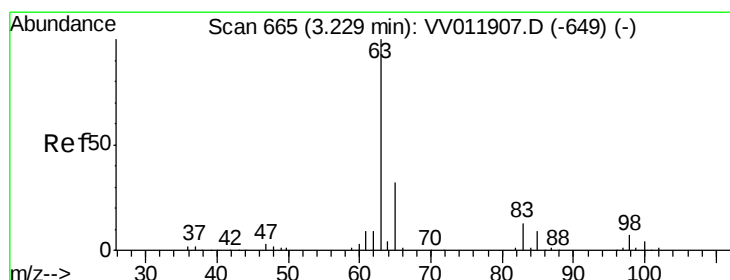
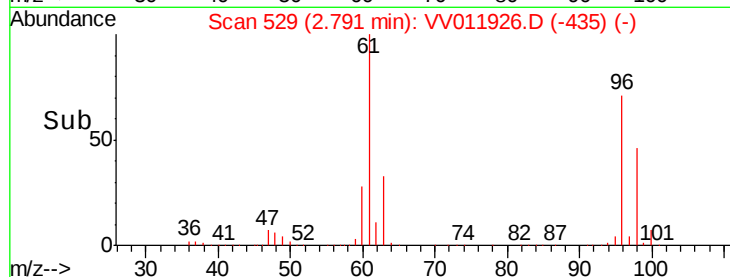
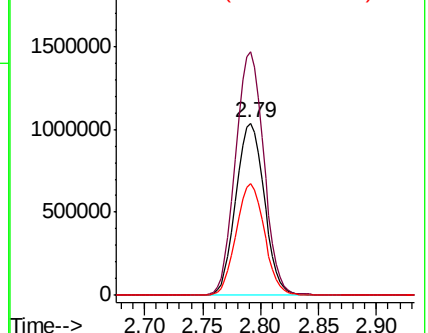
98 64.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV011907.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV011907.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV011907.D (-515) (-)



#19

1,1-Dichloroethane

Concen: 5.379 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

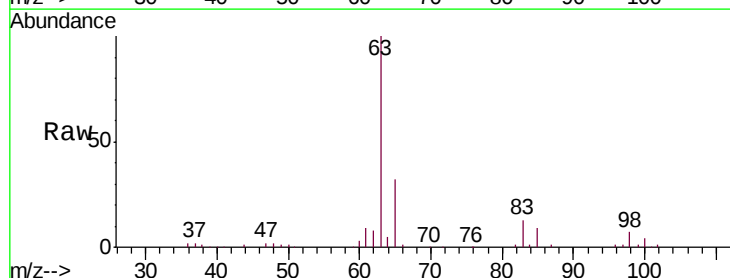
Tgt Ion: 63 Resp: 134749

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.3

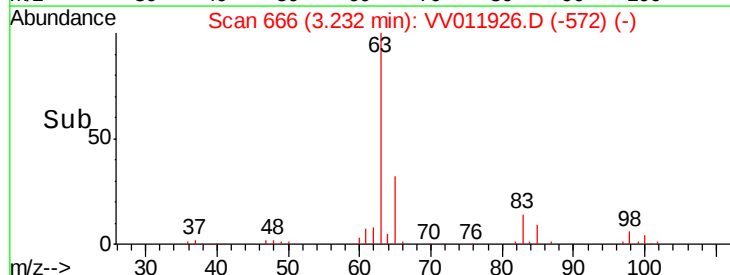
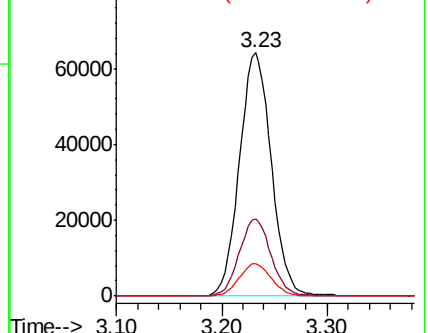
83 13.5 9.4 17.6

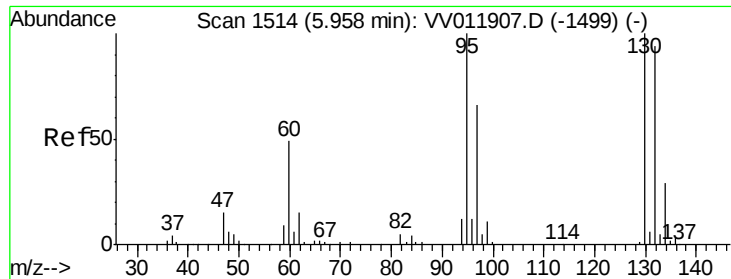


Abundance Ion 63.10 (62.80 to 63.80): VV011907.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV011907.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV011907.D (-649) (-)





#34

Trichloroethene

Concen: 0.714 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV011926.D

Acq: 17 Jul 2019 21:29

Instrument :

MSVOA_V

ClientSampleId :

A52R6

Tgt Ion: 95 Resp: 10195

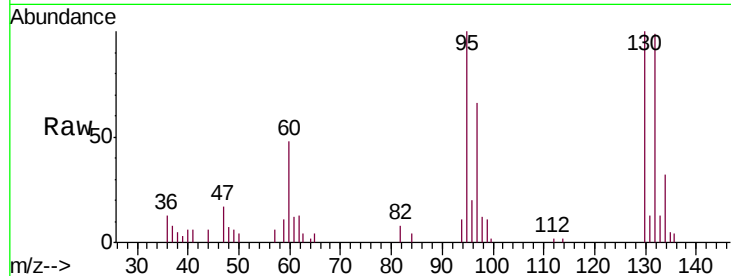
Ion Ratio Lower Upper

95 100

97 66.4 44.0 81.6

132 99.5 67.0 124.4

130 100.4 69.1 128.3



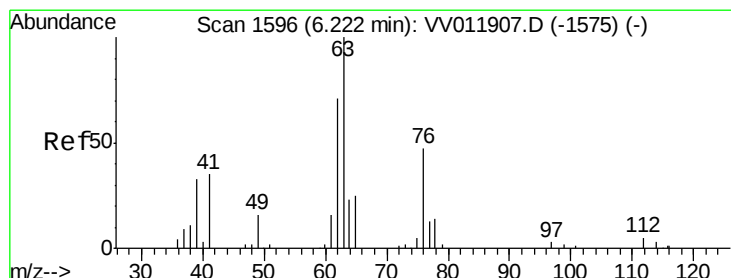
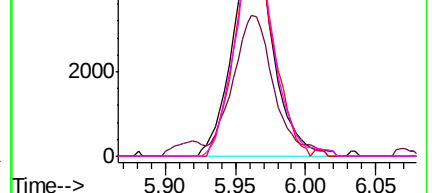
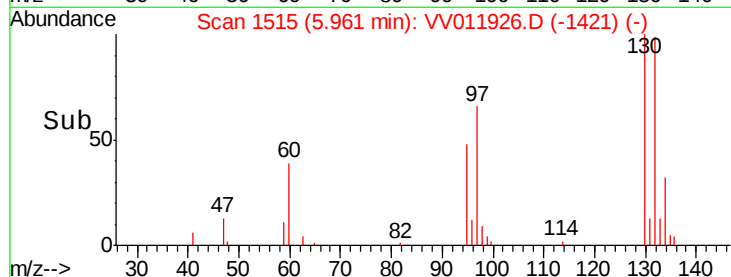
Abundance Ion 95.00 (94.70 to 95.70): VV011907.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV011907.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV011907.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV011907.D (-1499) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.132 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV011926.D

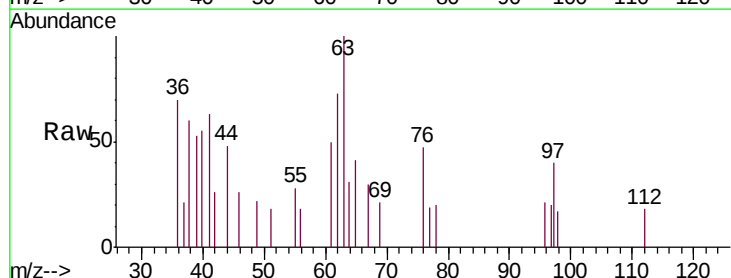
Acq: 17 Jul 2019 21:29

Tgt Ion: 63 Resp: 1656

Ion Ratio Lower Upper

63 100

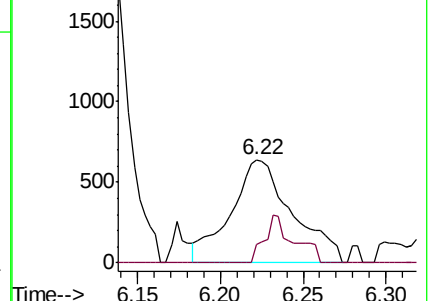
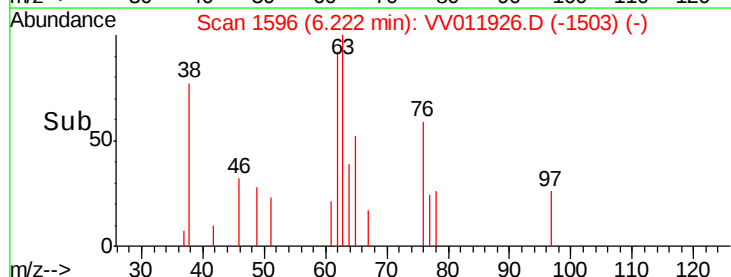
112 21.7 3.4 5.2#

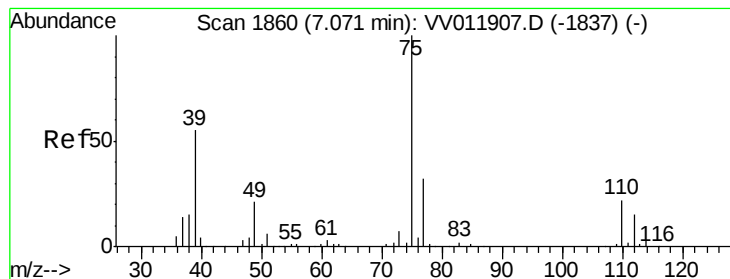


Abundance Ion 63.10 (62.80 to 63.80): VV011907.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV011907.D (-1575) (-)

Time-->



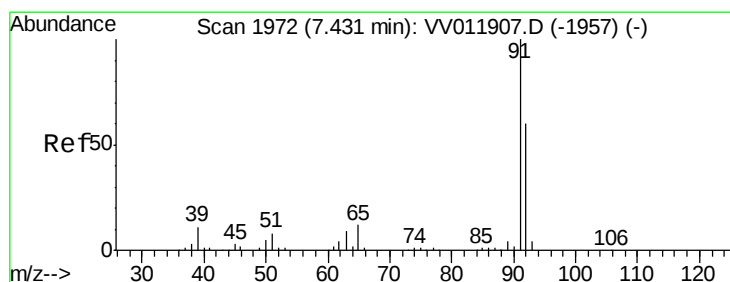
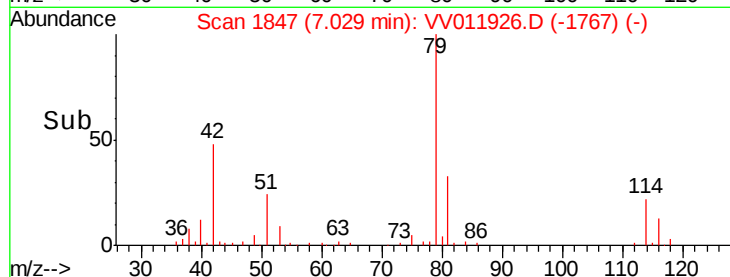
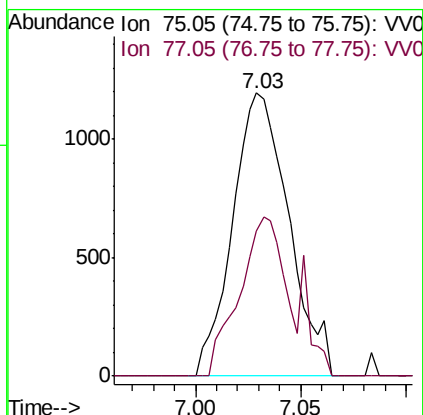
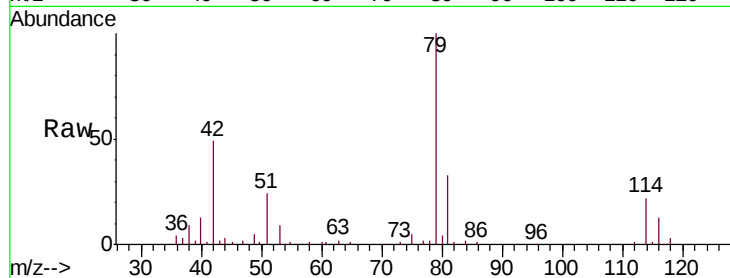


#39

cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011926.D
 Acq: 17 Jul 2019 21:29

Instrument :
 MSVOA_V
 ClientSampleId :
 A52R6

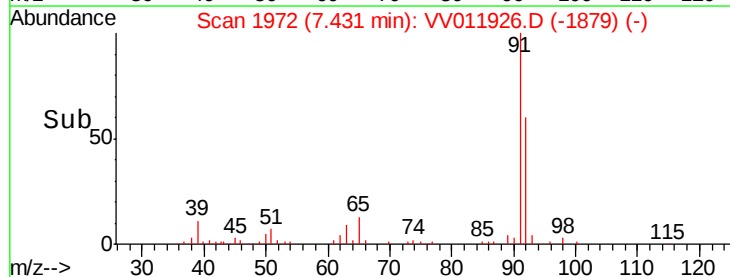
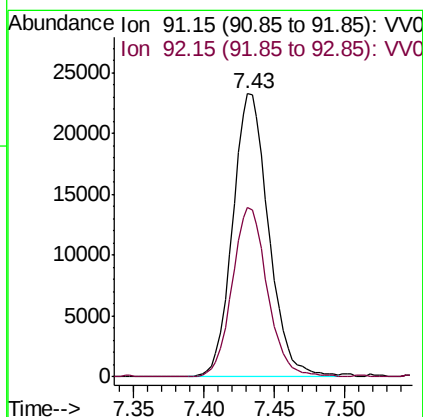
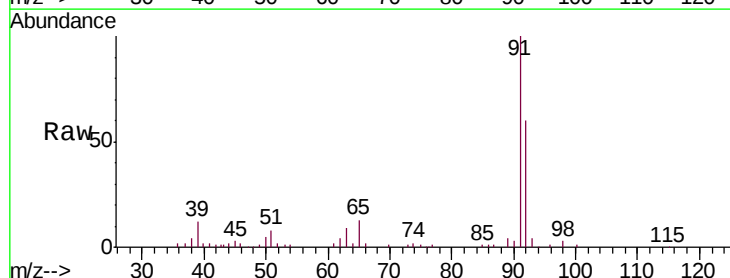
Tgt Ion: 75 Resp: 2208
 Ion Ratio Lower Upper
 75 100
 77 51.1 21.6 40.2#

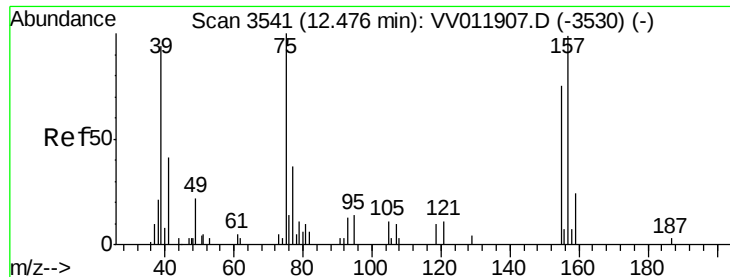


#42

Toluene
 Concen: 0.771 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VV011926.D
 Acq: 17 Jul 2019 21:29

Tgt Ion: 91 Resp: 41551
 Ion Ratio Lower Upper
 91 100
 92 59.8 41.1 76.3

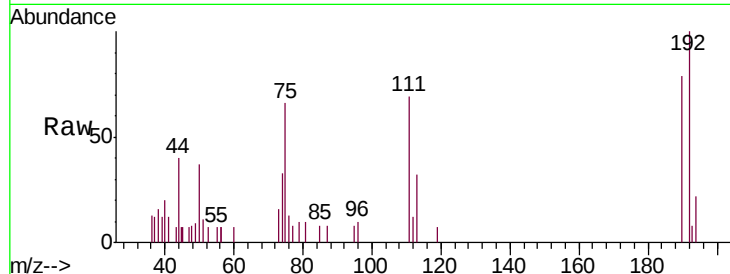




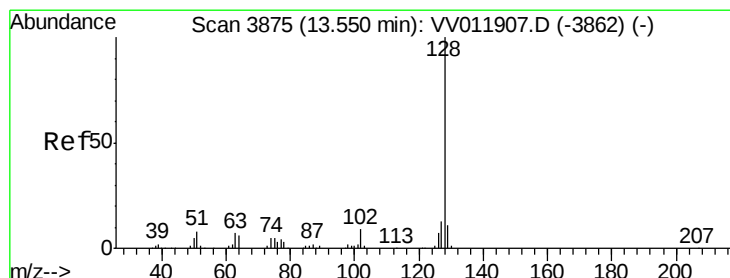
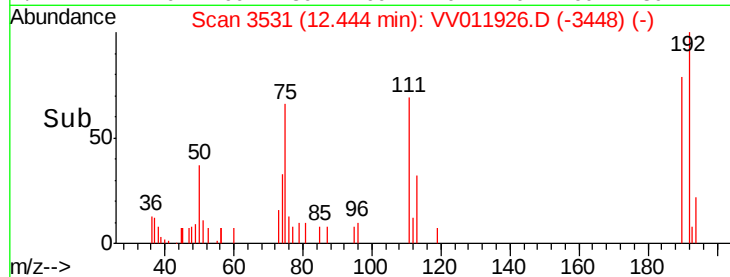
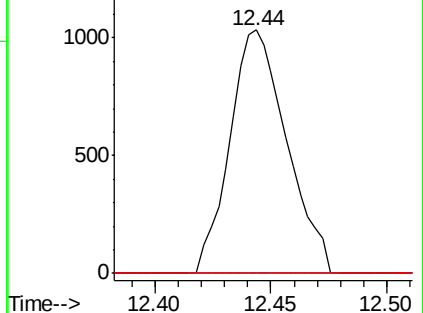
#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.466 ug/L
 RT: 12.44 min Scan# 3531
 Delta R.T. -0.03 min
 Lab File: VV011926.D
 Acq: 17 Jul 2019 21:29

Instrument :
 MSVOA_V
 ClientSampleId :
 A52R6

Tgt Ion: 75 Resp: 1760
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.4 89.0#
 157 0.0 85.5 128.3#

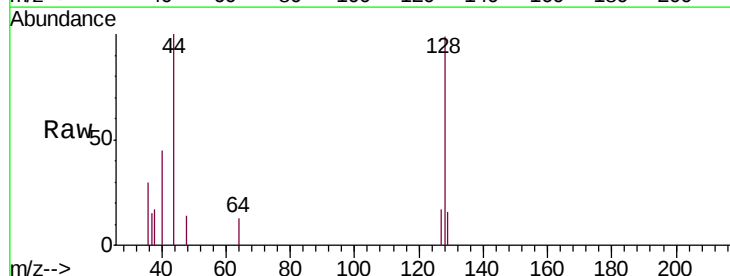


Abundance Ion 75.05 (74.75 to 75.75): VV011907.D (-3530) (-)
 Ion 154.95 (154.65 to 155.65): VV011907.D (-3530) (-)
 Ion 156.90 (156.60 to 157.60): VV011907.D (-3530) (-)



#69
 Naphthalene
 Concen: 0.069 ug/L
 RT: 13.56 min Scan# 3879
 Delta R.T. 0.01 min
 Lab File: VV011926.D
 Acq: 17 Jul 2019 21:29

Tgt Ion: 128 Resp: 1486
 Ion Ratio Lower Upper
 128 100
 129 6.7 8.6 13.0#
 127 8.6 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): VV011907.D (-3862) (-)
 Ion 129.00 (128.70 to 129.70): VV011907.D (-3862) (-)
 Ion 127.00 (126.70 to 127.70): VV011907.D (-3862) (-)

