

Data File : VV012379.D
Acq On : 23 Aug 2019 22:18
Operator : SY/MD
Sample : K4500-07
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANK1

Quant Time: Aug 26 08:06:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	244663	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	242555	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	94475	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65401	5.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.00%
7) Chloroethane-d5	1.58	69	48220	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.13	63	86191	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	3.94	46	112412	34.11	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.22%
24) Chloroform-d	4.40	84	127142	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.08	65	69423	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	286726	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.12	67	87151	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	237003	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	7.66	79	27241	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.13	63	73745	35.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49025	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	80575	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

						Qvalue
3) Chloromethane	1.26	50	1292	0.080	ug/L #	77
6) Bromomethane	1.54	94	680	0.096	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1101	0.102	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	1485	0.151	ug/L #	1
13) Acetone	2.19	43	80478	56.449	ug/L	96
15) Methyl Acetate	2.30	43	2769	0.772	ug/L #	62
18) trans-1,2-Dichloroethene	2.79	96	10517	0.721	ug/L	96
21) 2-Butanone	4.03	43	18864	5.633	ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	103900	6.527	ug/L	99
25) Chloroform	4.42	83	14324	0.473	ug/L	92
33) Benzene	5.15	78	5340	0.086	ug/L	100
34) Trichloroethene	5.96	95	58120	3.481	ug/L	96
35) Methylcyclohexane	6.12	83	21310	0.813	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	9852	0.629	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2071	0.098	ug/L #	60
44) trans-1,3-Dichloropropene	7.67	75	1195	0.075	ug/L	98
45) 1,1,2-Trichloroethane	8.01	97	2169	0.214	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
Quantitation Report (Not Reviewed)

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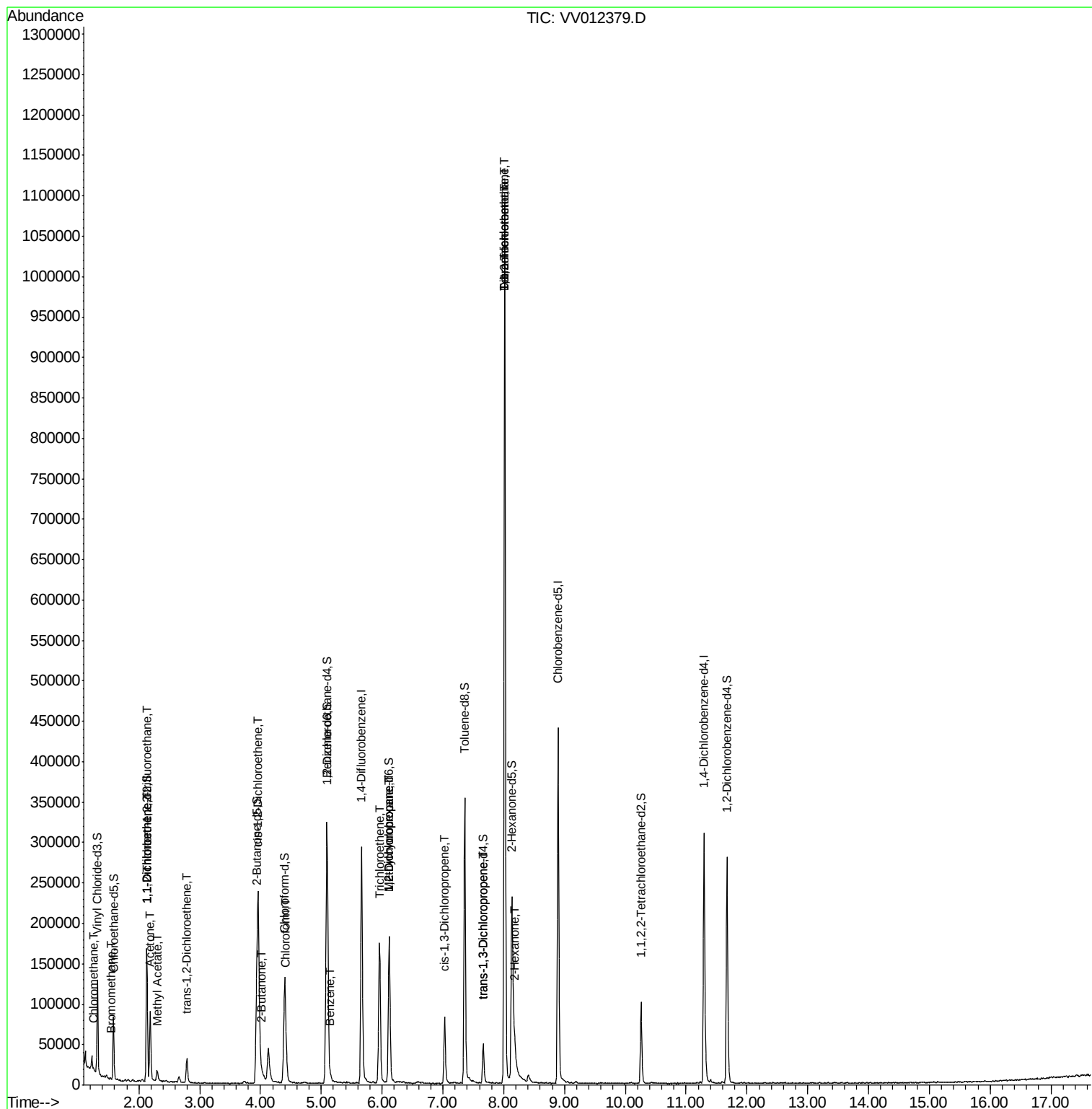
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.02	164	249587	18.531	ug/L	98
48) 2-Hexanone	8.18	43	18800	3.103	ug/L #	81
49) Dibromochloromethane	8.02	129	211916	17.417	ug/L #	11

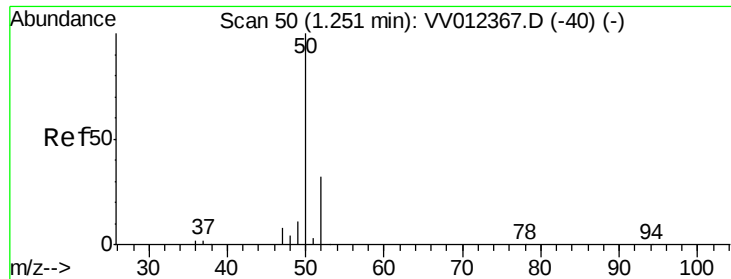
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

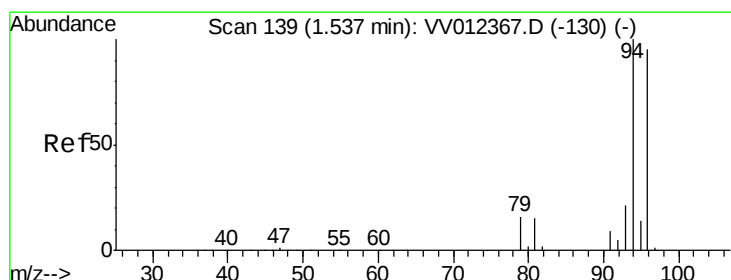
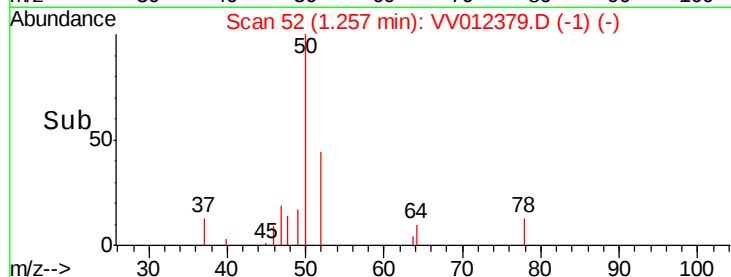
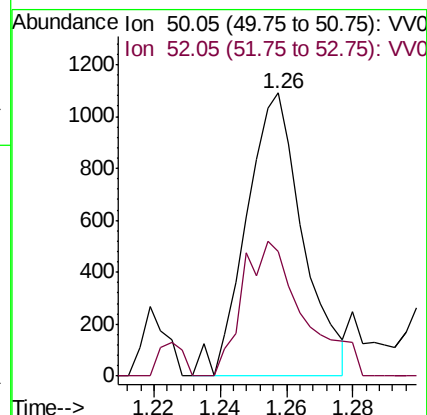
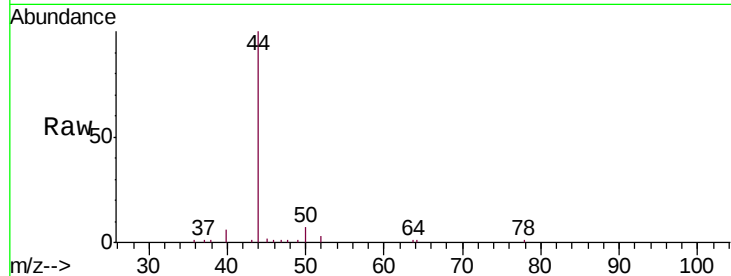
GANK1

Tgt Ion: 50 Resp: 1292

Ion Ratio Lower Upper

50 100

52 44.2 22.2 41.2#



#6

Bromomethane

Concen: 0.096 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV012379.D

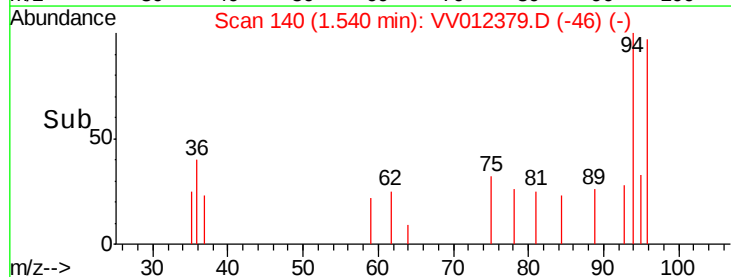
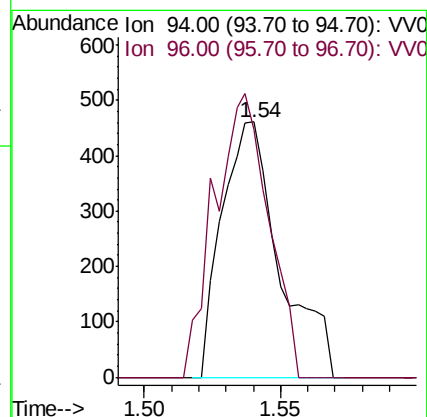
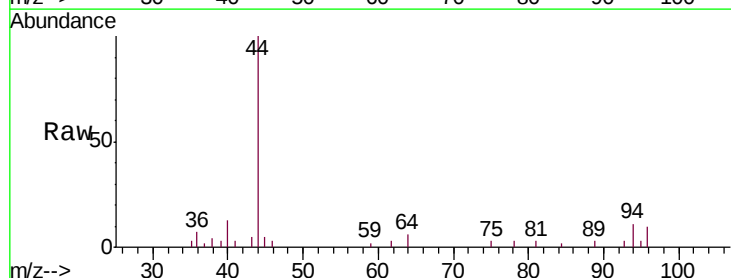
Acq: 23 Aug 2019 22:18

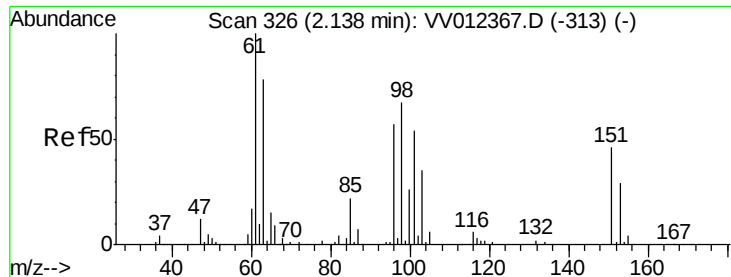
Tgt Ion: 94 Resp: 680

Ion Ratio Lower Upper

94 100

96 97.0 69.2 128.6





#10

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

Concen: 0.102 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

GANK1

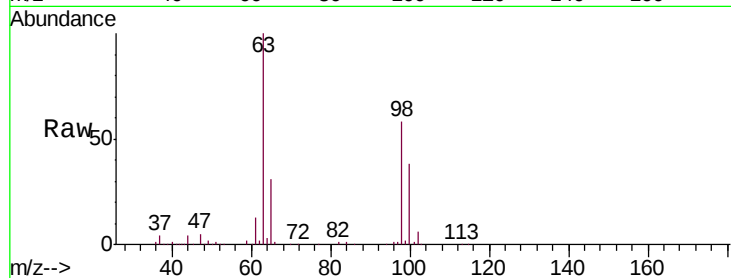
Tgt Ion: 101 Resp: 1101

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

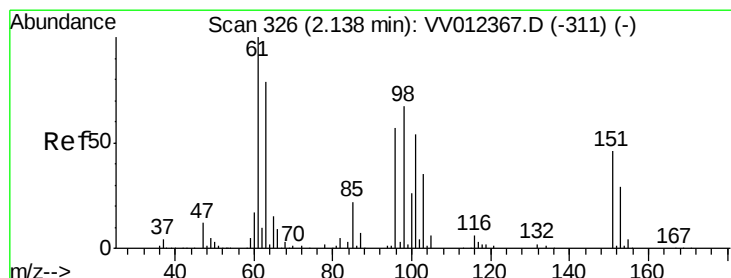
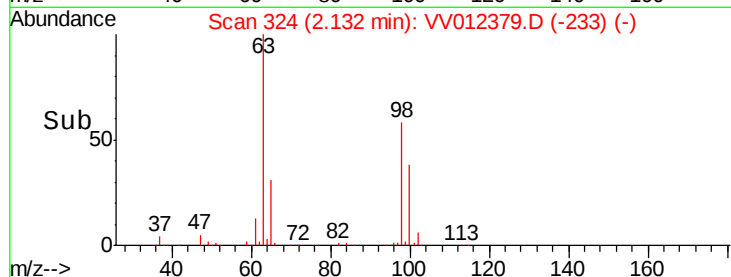
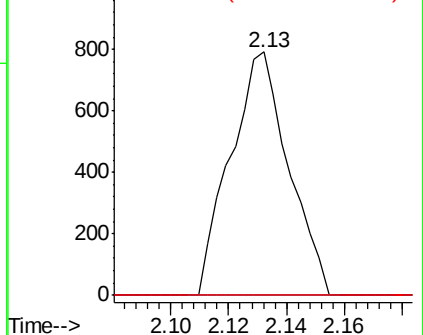
151 0.0 71.2 106.8#



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



#12

1,1-Dichloroethene

Concen: 0.151 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

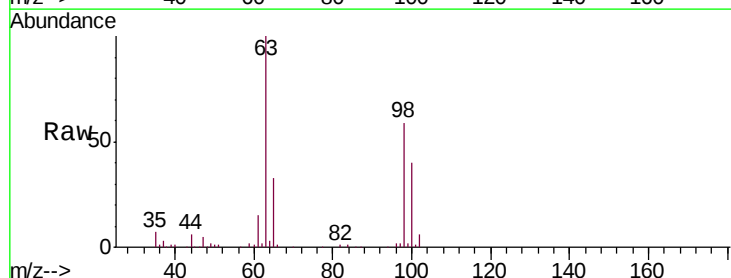
Tgt Ion: 96 Resp: 1485

Ion Ratio Lower Upper

96 100

61 627.2 122.3 227.1#

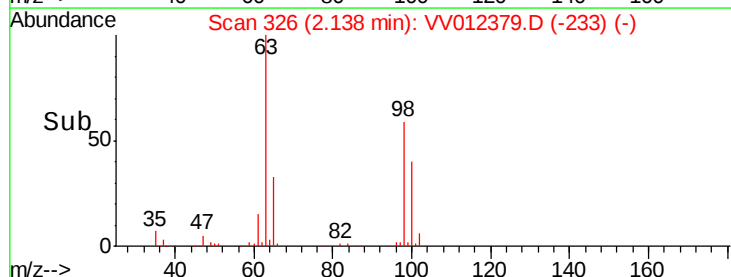
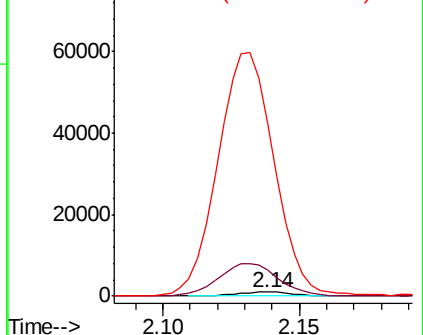
63 4191.2 90.6 168.2#

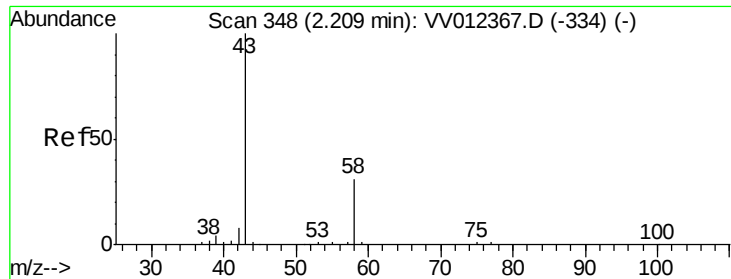


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.449 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.02 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

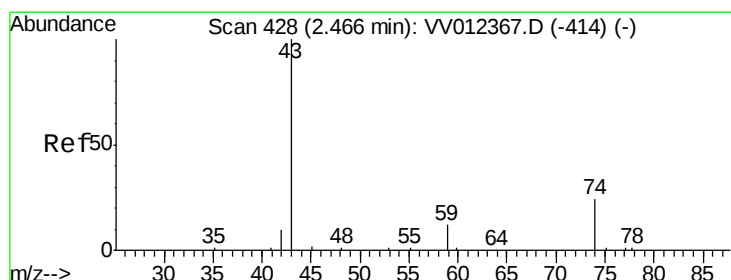
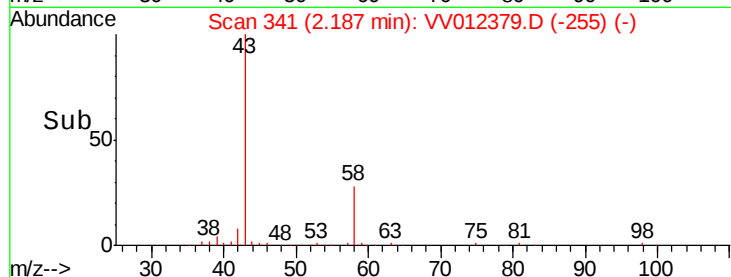
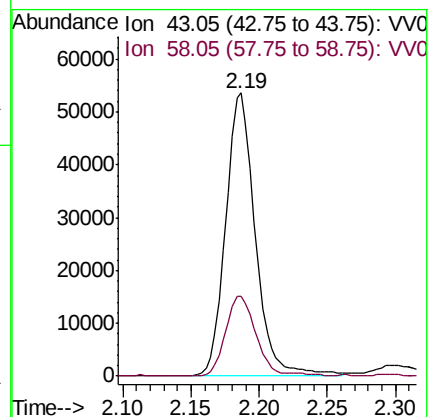
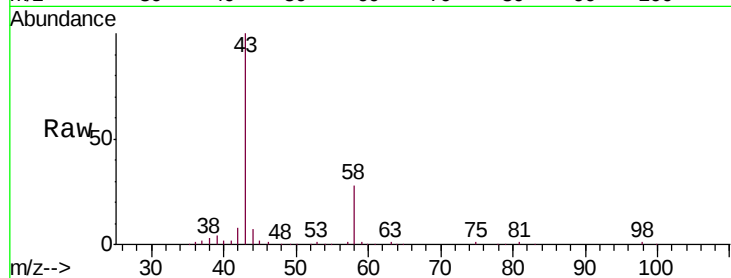
GANK1

Tgt Ion: 43 Resp: 80478

Ion Ratio Lower Upper

43 100

58 28.9 0.0 62.8



#15

Methyl Acetate

Concen: 0.772 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.17 min

Lab File: VV012379.D

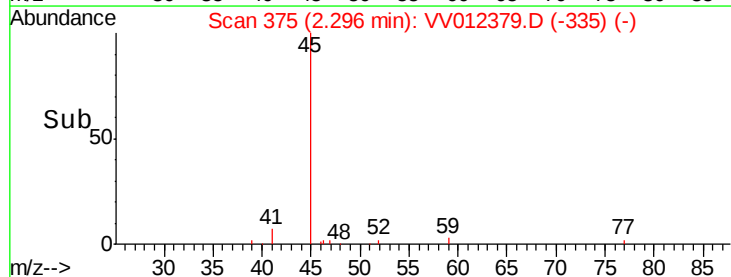
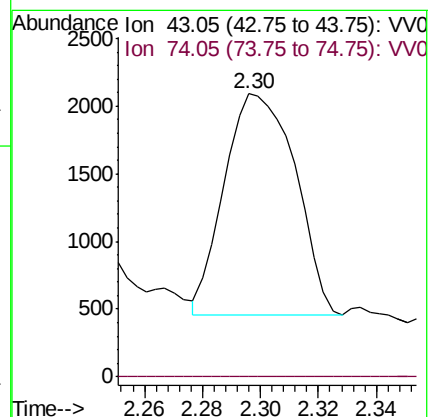
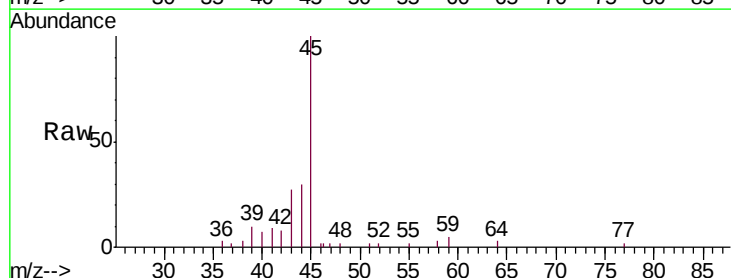
Acq: 23 Aug 2019 22:18

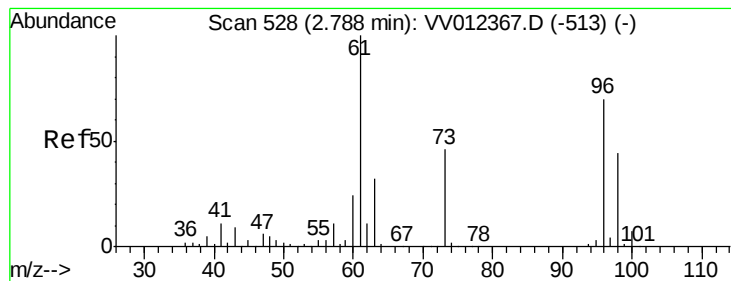
Tgt Ion: 43 Resp: 2769

Ion Ratio Lower Upper

43 100

74 7.4 21.8 32.6#





#18

trans-1,2-Dichloroethene

Concen: 0.721 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA_V

ClientSampled :

GANK1

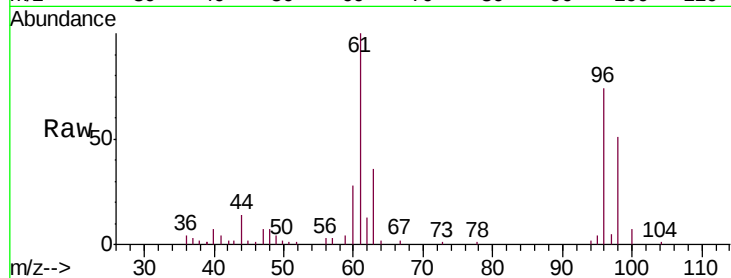
Tgt Ion: 96 Resp: 10517

Ion Ratio Lower Upper

96 100

61 135.8 96.0 178.4

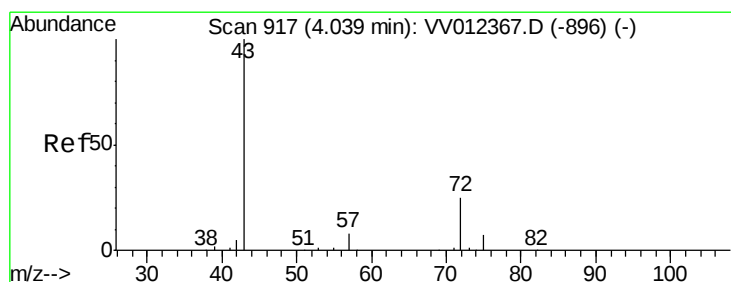
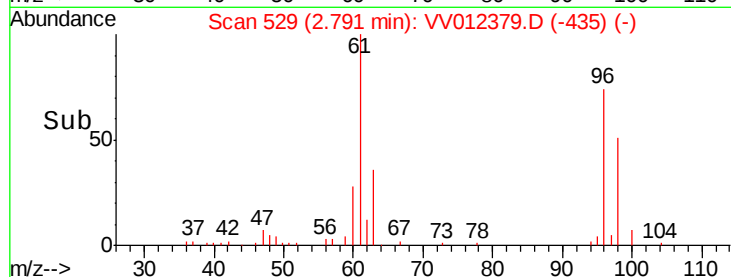
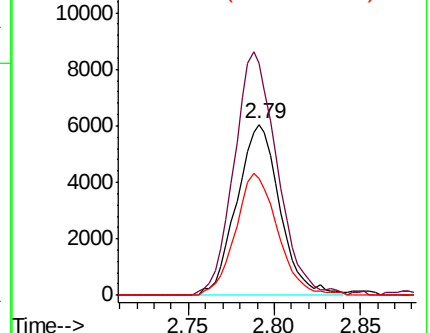
98 68.8 42.1 78.3



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#21

2-Butanone

Concen: 5.633 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.01 min

Lab File: VV012379.D

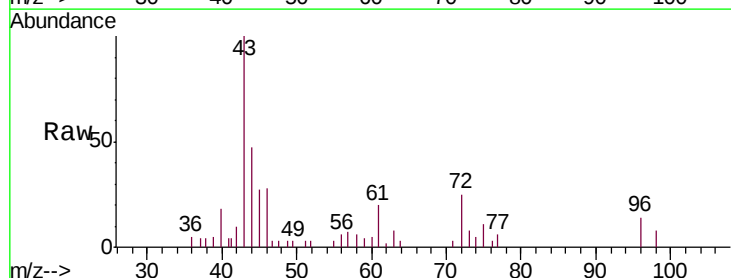
Acq: 23 Aug 2019 22:18

Tgt Ion: 43 Resp: 18864

Ion Ratio Lower Upper

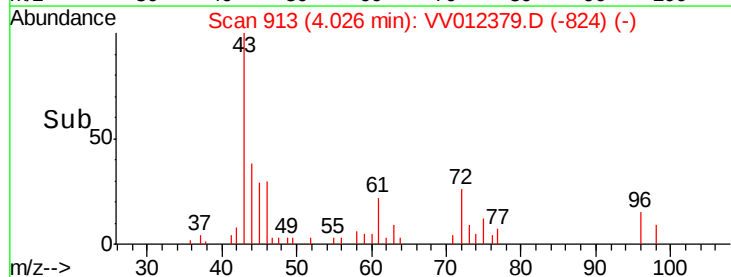
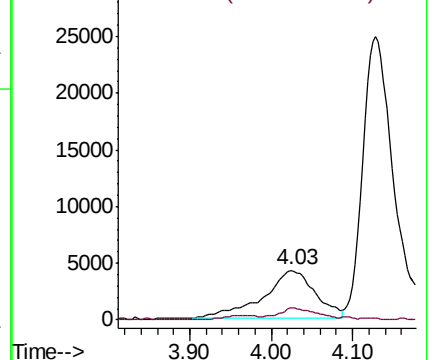
43 100

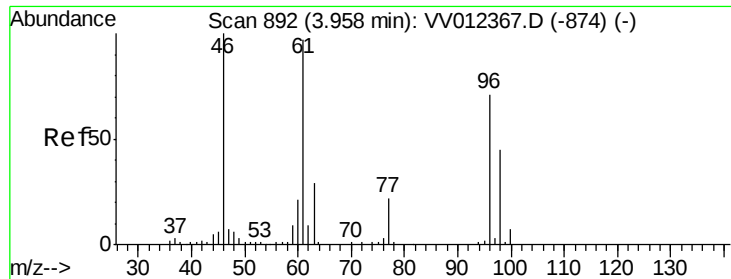
72 18.4 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



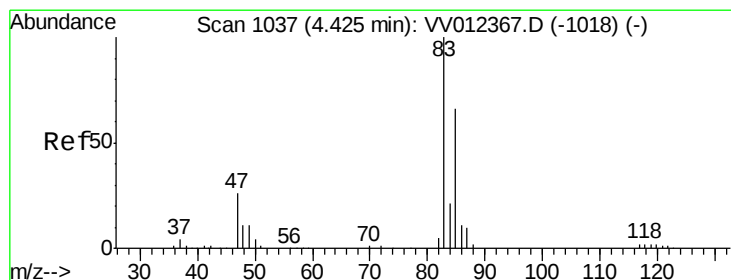
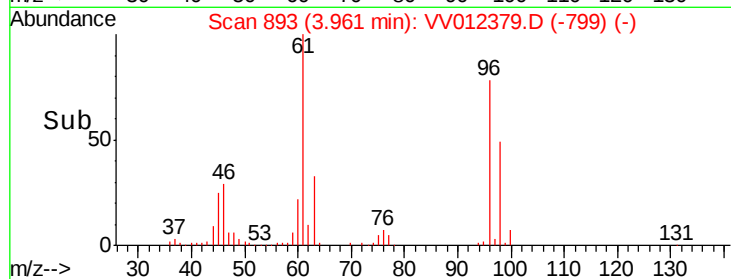
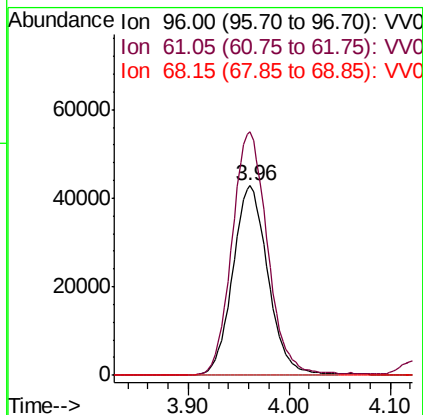
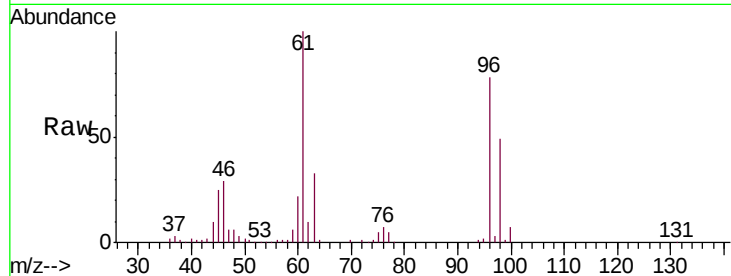


#22

cis-1,2-Dichloroethene
 Concen: 6.527 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012379.D
 Acq: 23 Aug 2019 22:18

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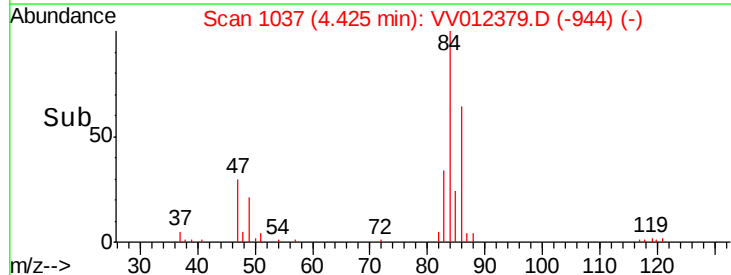
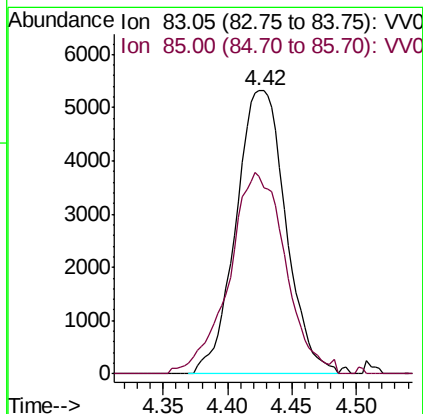
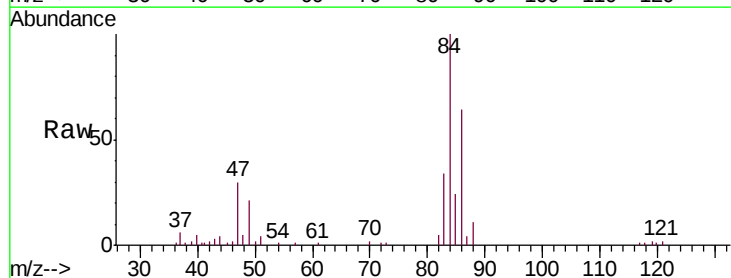
Tgt Ion: 96 Resp: 103900
 Ion Ratio Lower Upper
 96 100
 61 128.6 89.4 166.0
 68 0.0 0.0 0.0

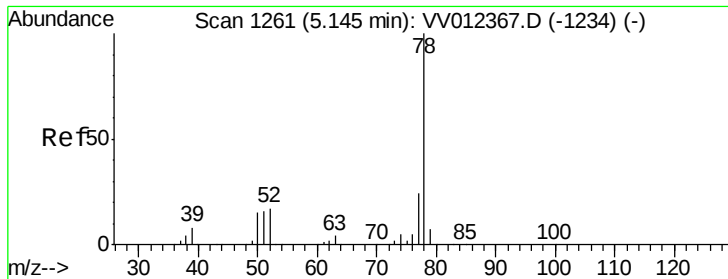


#25

Chloroform
 Concen: 0.473 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV012379.D
 Acq: 23 Aug 2019 22:18

Tgt Ion: 83 Resp: 14324
 Ion Ratio Lower Upper
 83 100
 85 69.7 44.6 82.8





#33

Benzene

Concen: 0.086 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

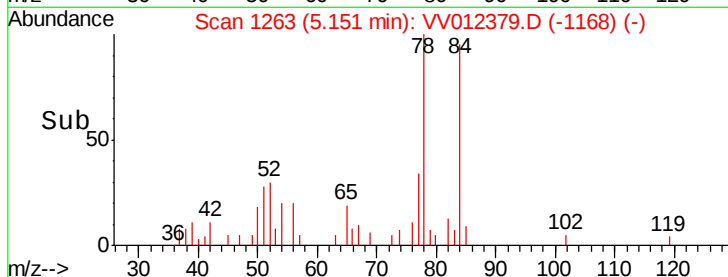
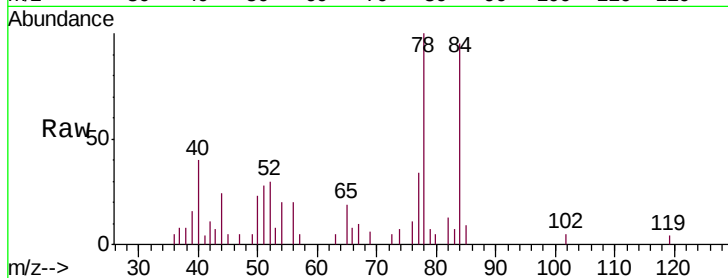
Instrument :

MSVOA_V

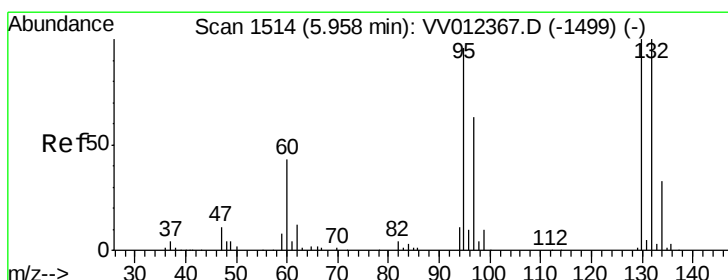
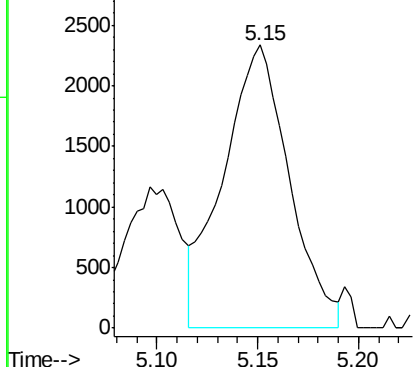
ClientSampleId :

GANK1

Tgt Ion: 78 Resp: 5340



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 3.481 ug/L

RT: 5.96 min Scan# 1514

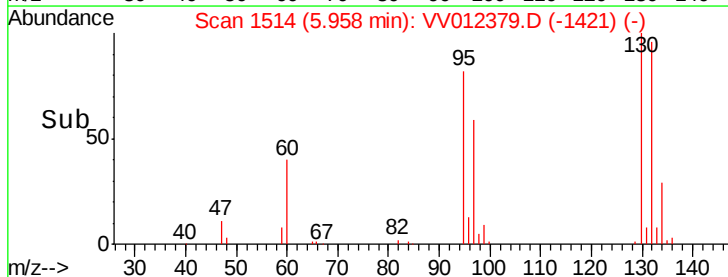
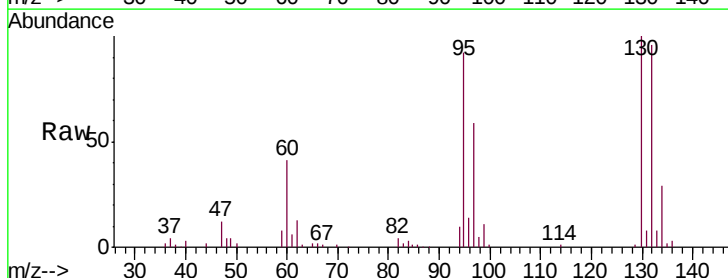
Delta R.T. -0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Tgt Ion: 95 Resp: 58120

Ion	Ratio	Lower	Upper
95	100		
97	63.4	46.3	86.1
132	103.9	70.3	130.7
130	108.2	72.4	134.5

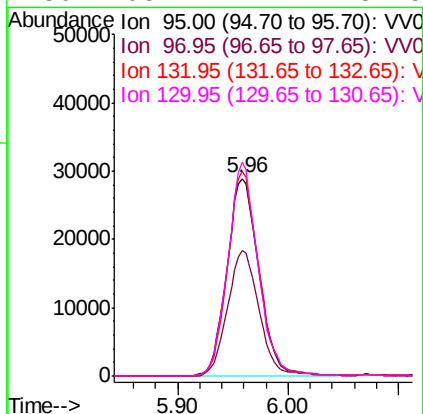


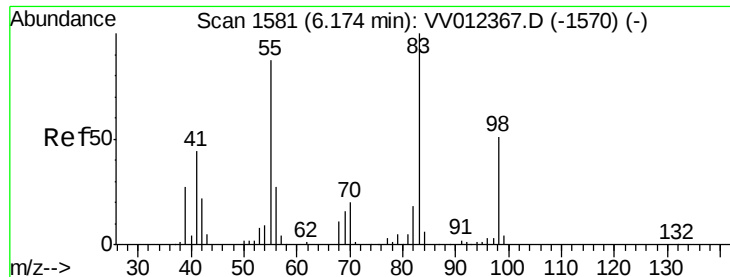
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

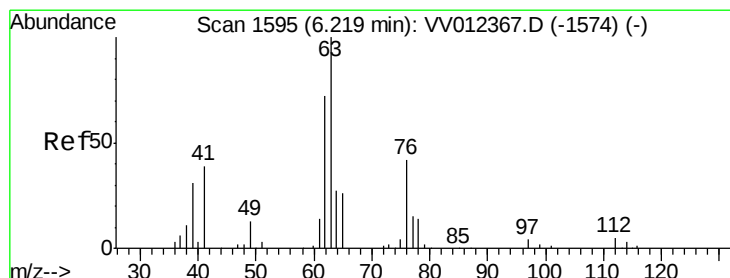
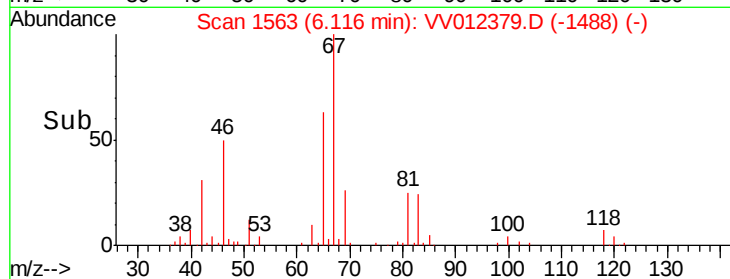
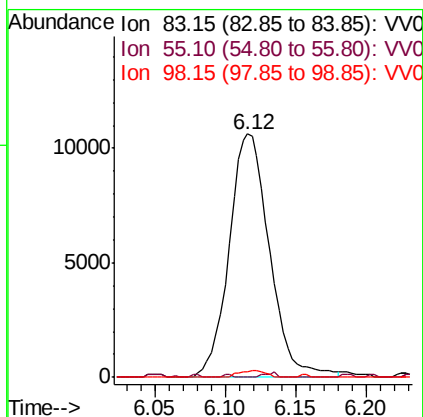
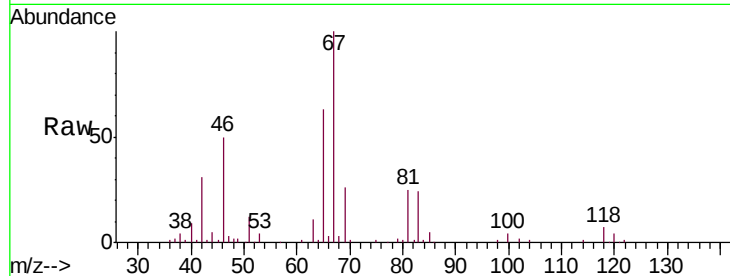




#35
Methylcyclohexane
Concen: 0.813 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012379.D
Acq: 23 Aug 2019 22:18

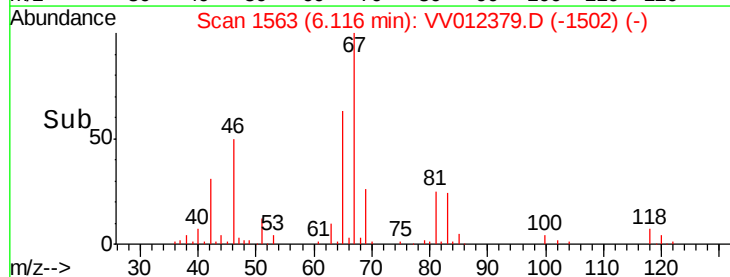
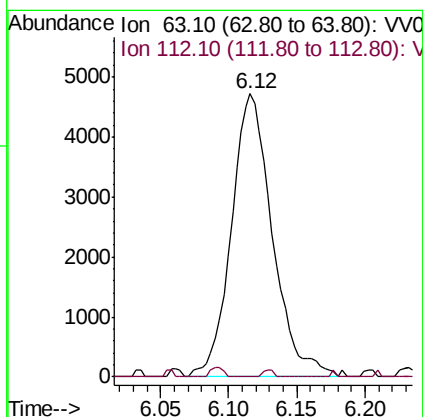
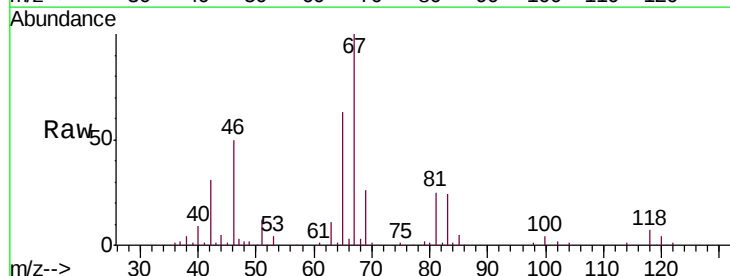
Instrument :
MSVOA_V
ClientSampleId :
GANK1

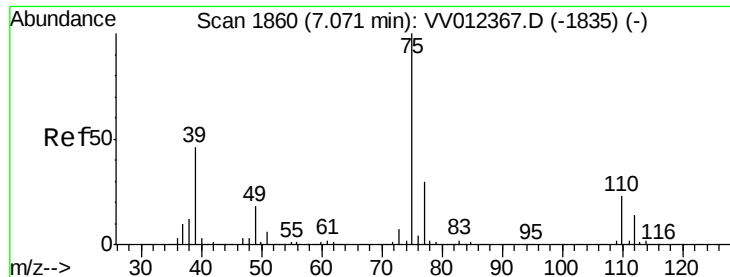
Tgt Ion: 83 Resp: 21310
Ion Ratio Lower Upper
83 100
55 0.2 64.6 97.0#
98 1.8 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.629 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012379.D
Acq: 23 Aug 2019 22:18

Tgt Ion: 63 Resp: 9852
Ion Ratio Lower Upper
63 100
112 0.7 4.2 6.2#





#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

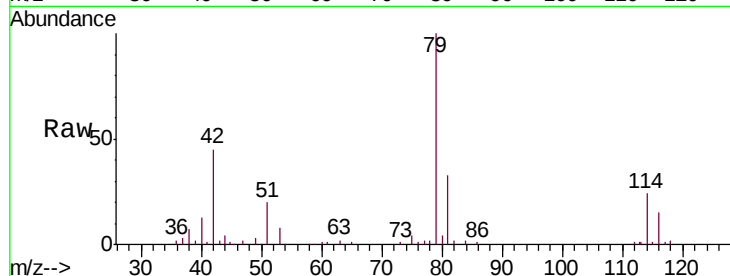
GANK1

Tgt Ion: 75 Resp: 2071

Ion Ratio Lower Upper

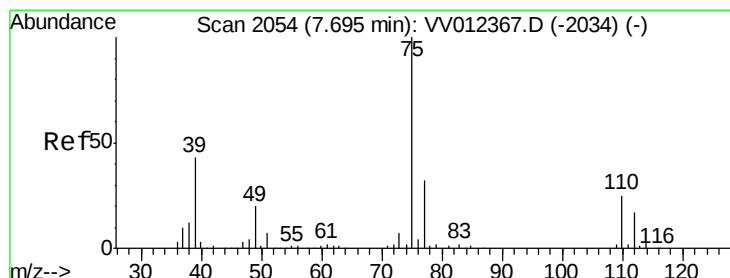
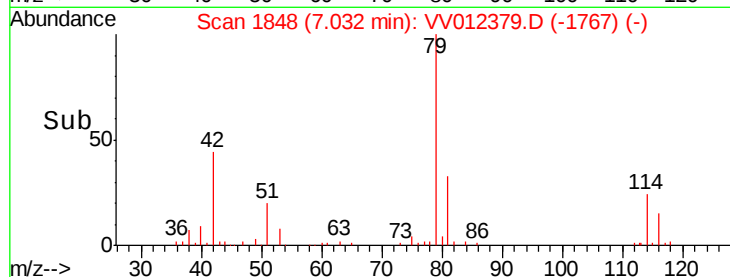
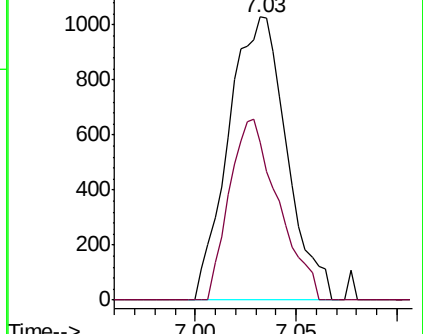
75 100

77 55.9 23.2 43.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV012379.D

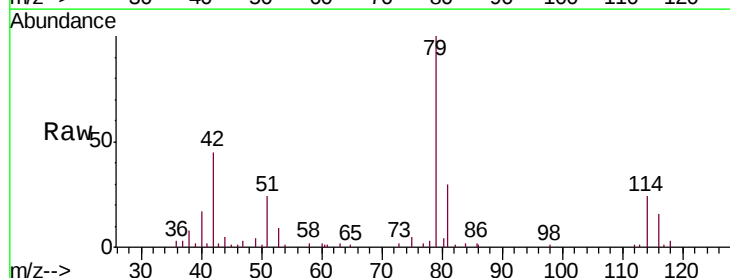
Acq: 23 Aug 2019 22:18

Tgt Ion: 75 Resp: 1195

Ion Ratio Lower Upper

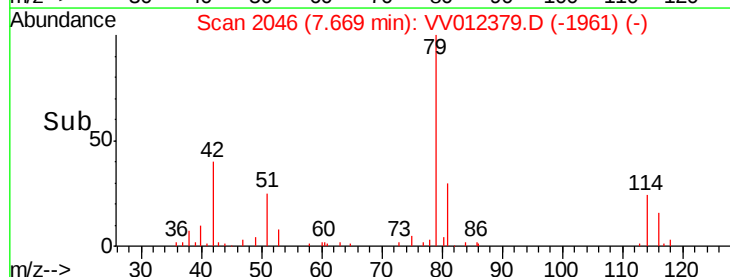
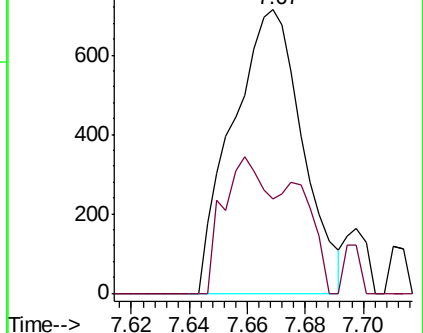
75 100

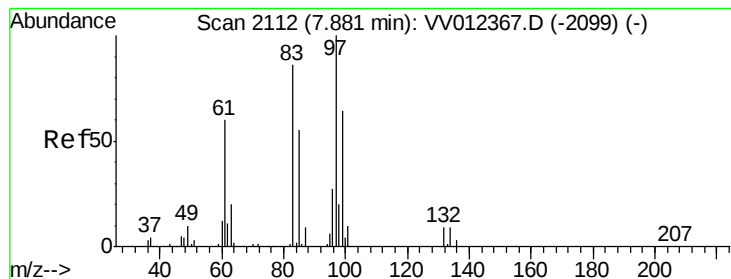
77 33.3 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.214 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.13 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Instrument :

MSVOA_V

ClientSampleId :

GANK1

Tgt Ion: 97 Resp: 2169

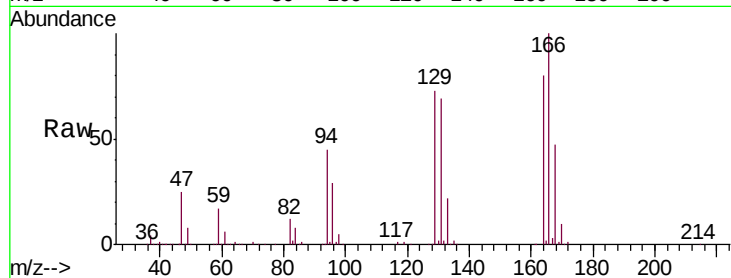
Ion Ratio Lower Upper

97 100

99 22.9 45.0 83.6#

83 279.4 59.3 110.1#

85 52.1 38.8 72.0

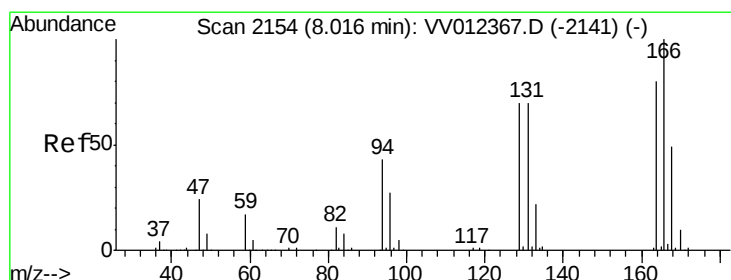
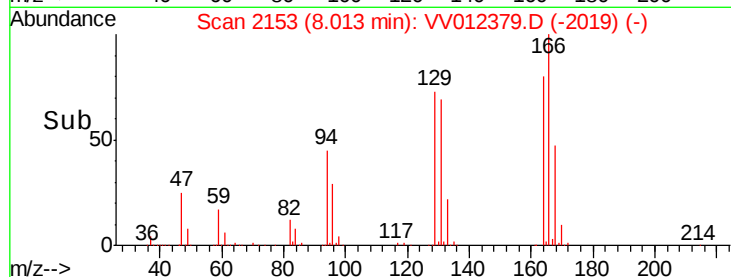
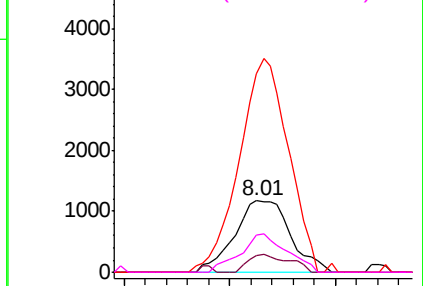


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 18.531 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012379.D

Acq: 23 Aug 2019 22:18

Tgt Ion: 164 Resp: 249587

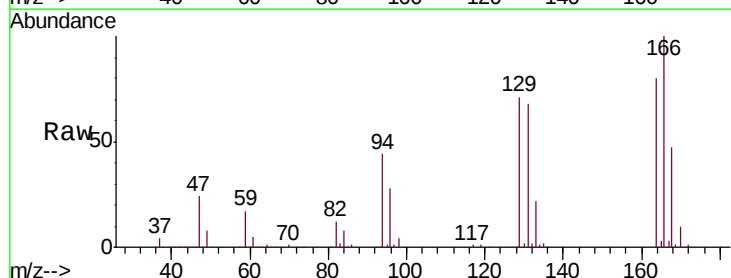
Ion Ratio Lower Upper

164 100

129 89.9 60.6 112.6

131 85.5 58.8 109.2

166 125.8 87.6 162.8

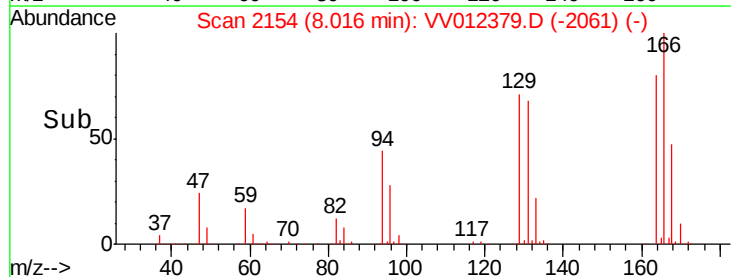
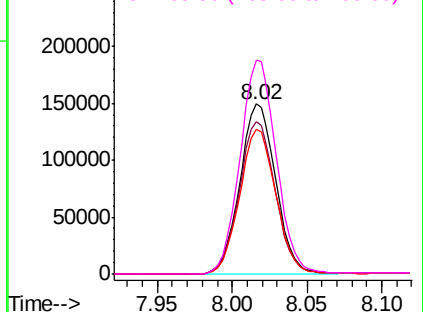


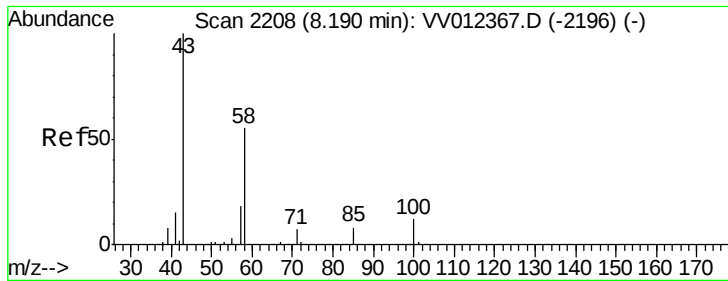
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

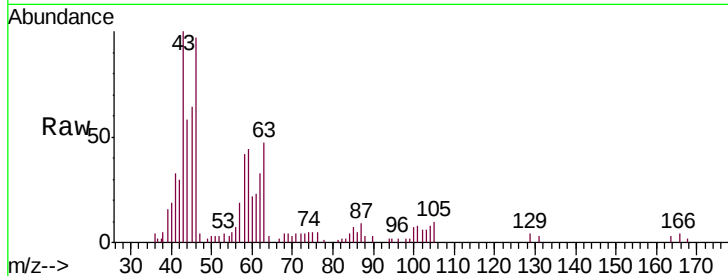




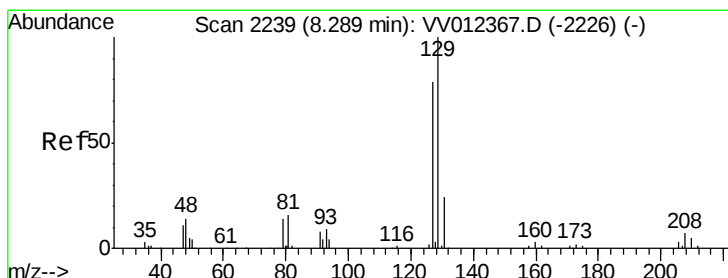
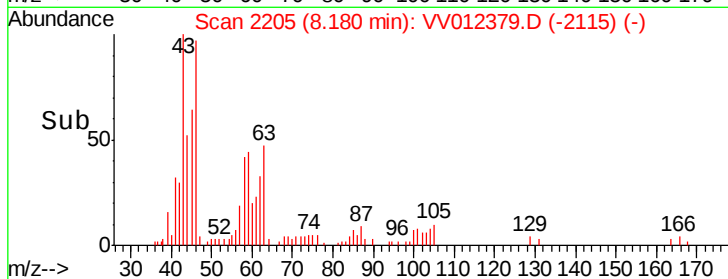
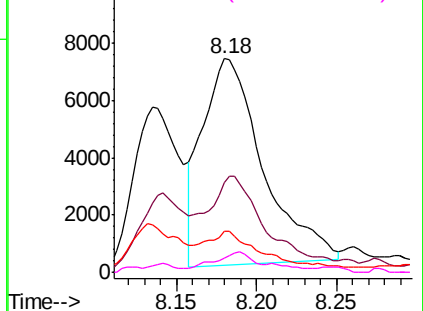
#48
2-Hexanone
Concen: 3.103 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012379.D
Acq: 23 Aug 2019 22:18

Instrument :
MSVOA_V
ClientSampleId :
GANK1

Tgt Ion:	43	Resp:	18800
Ion	Ratio	Lower	Upper
43	100		
58	40.5	46.3	69.5#
57	16.6	14.9	22.3
100	4.5	9.7	14.5#

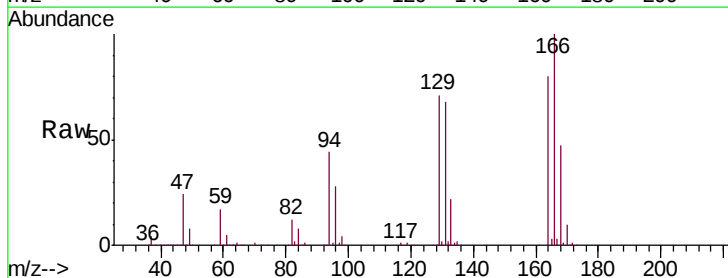


Abundance Ion 43.05 (42.75 to 43.75): VV012367.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012367.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012367.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012367.D (-2196) (-)



#49
Dibromochloromethane
Concen: 17.417 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012379.D
Acq: 23 Aug 2019 22:18

Tgt Ion:	129	Resp:	211916
Ion	Ratio	Lower	Upper
129	100		
127	0.1	53.8	99.8#



Abundance Ion 128.95 (128.65 to 129.65): VV012367.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV012367.D (-2226) (-)

