

Data File : VV012387.D
Acq On : 24 Aug 2019 01:58
Operator : SY/MD
Sample : K4500-04MS
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANJ9MS

Quant Time: Aug 26 08:07:48 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	236829	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	229820	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	91870	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61898	5.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.60%
7) Chloroethane-d5	1.58	69	44623	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.13	63	110226	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	3.96	46	171378	53.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.46%
24) Chloroform-d	4.40	84	136211	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.08	65	68749	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.10	84	280469	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.12	67	86451	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	232204	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.66	79	28426	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.14	63	91035	45.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53205	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	80702	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1319	0.085 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	904	0.086 ug/L #	18
12) 1,1-Dichloroethene	2.14	96	53305	5.611 ug/L	96
13) Acetone	2.21	43	12596	9.127 ug/L	66
18) trans-1,2-Dichloroethene	2.79	96	5954	0.421 ug/L #	81
21) 2-Butanone	4.14	43	58392	18.015 ug/L #	51
22) cis-1,2-Dichloroethene	3.96	96	95192	6.178 ug/L	98
27) 1,2-Dichloroethane	5.14	62	3016	0.195 ug/L #	74
33) Benzene	5.14	78	330185	5.634 ug/L	100
34) Trichloroethene	5.96	95	102943	6.508 ug/L	99
35) Methylcyclohexane	6.12	83	20390	0.821 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	9366	0.631 ug/L #	85
39) cis-1,3-Dichloropropene	7.03	75	2410	0.121 ug/L #	61
42) Toluene	7.43	91	331623	5.540 ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1397	0.093 ug/L #	50
47) Tetrachloroethene	8.02	164	23321	1.827 ug/L	94
48) 2-Hexanone	8.19	43	15697	2.735 ug/L #	77

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

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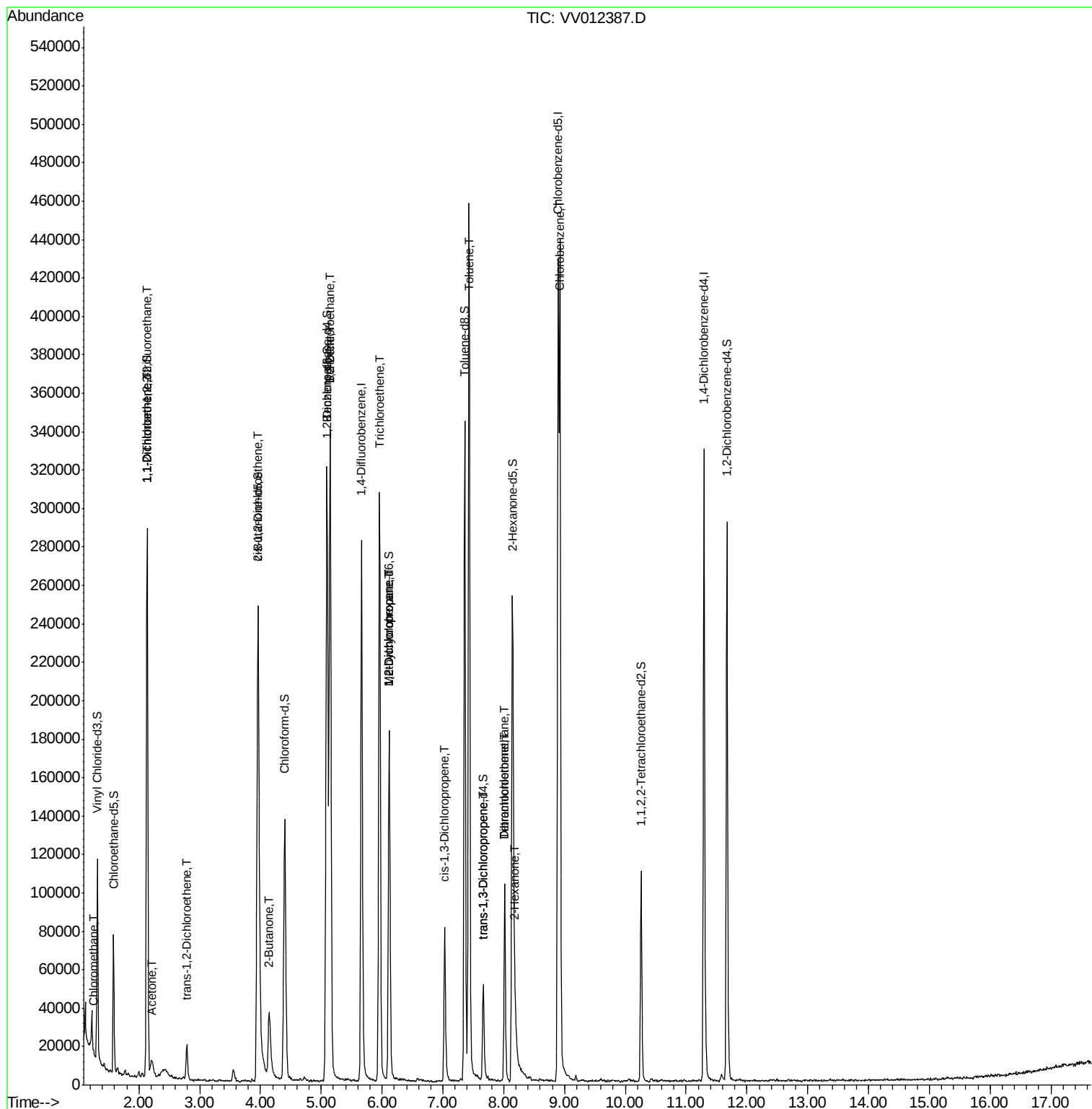
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.02	129	20026	1.737	ug/L #	11
51) Chlorobenzene	8.92	112	221143	5.654	ug/L	99

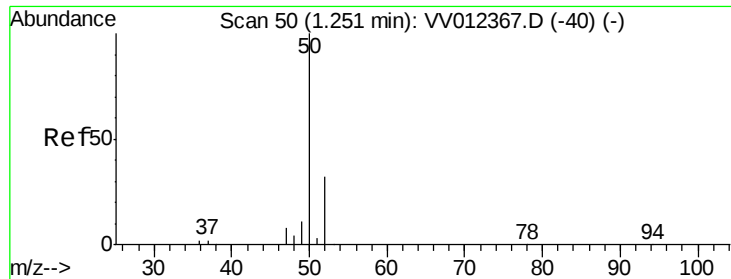
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.085 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

Instrument :

MSVOA_V

ClientSampleId :

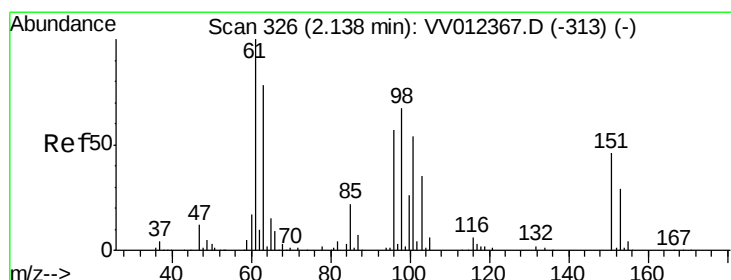
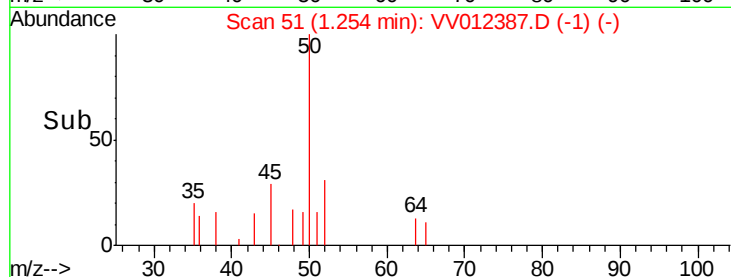
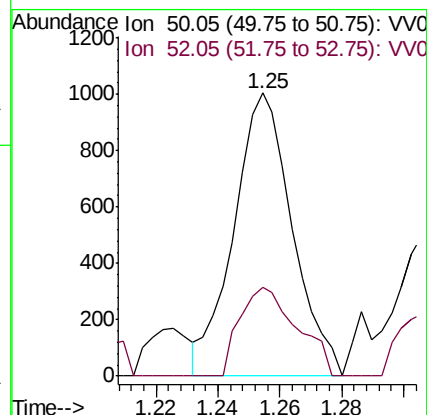
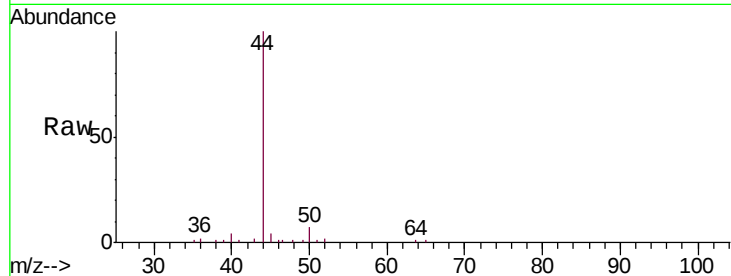
GANJ9MS

Tgt Ion: 50 Resp: 1319

Ion Ratio Lower Upper

50 100

52 31.4 22.2 41.2



#10

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

Concen: 0.086 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

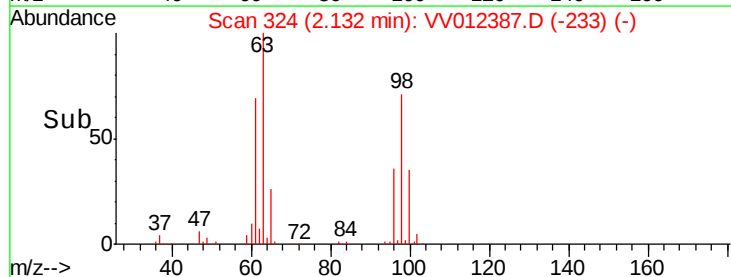
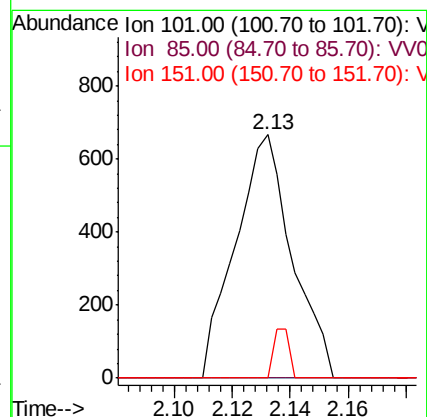
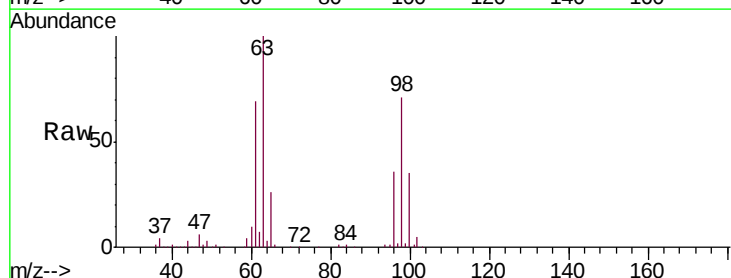
Tgt Ion: 101 Resp: 904

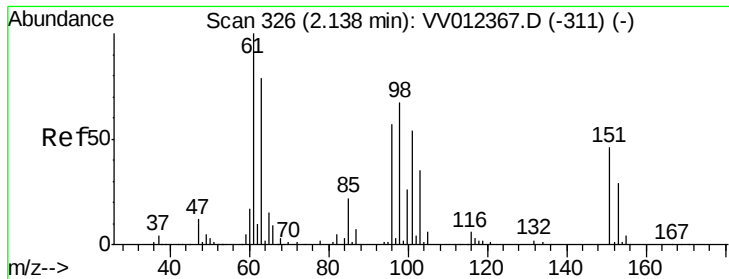
Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 5.8 71.2 106.8#





#12

1,1-Dichloroethene

Concen: 5.611 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

Instrument :

MSVOA_V

ClientSampleId :

GANJ9MS

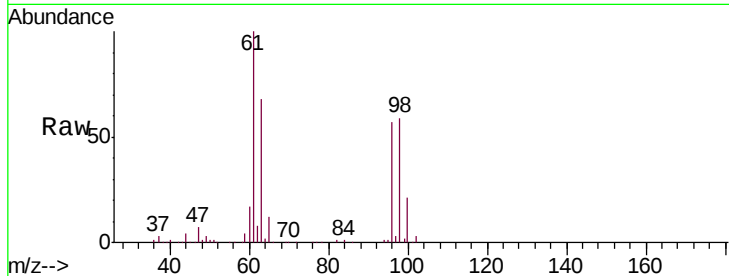
Tgt Ion: 96 Resp: 53305

Ion Ratio Lower Upper

96 100

61 176.4 122.3 227.1

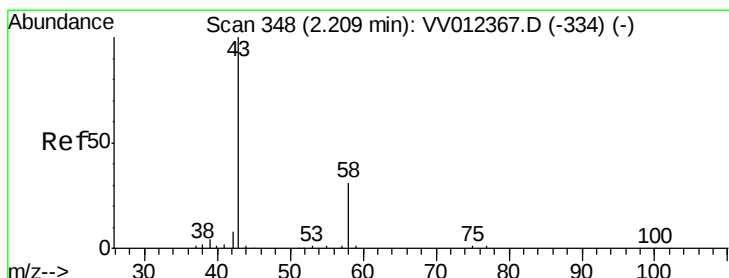
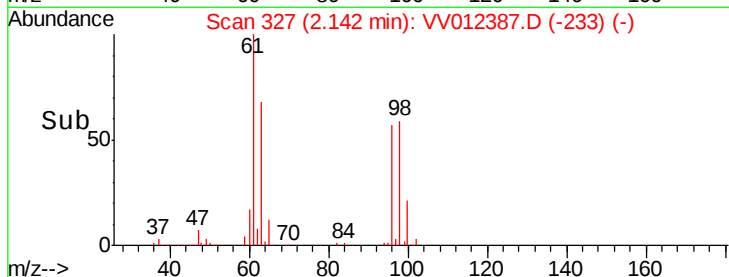
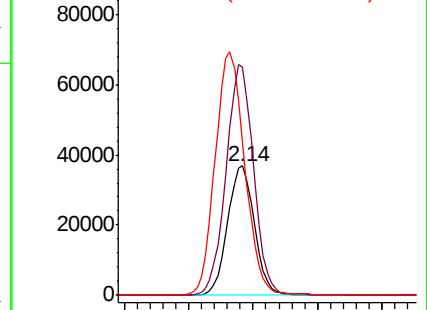
63 119.2 90.6 168.2



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: 9.127 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV012387.D

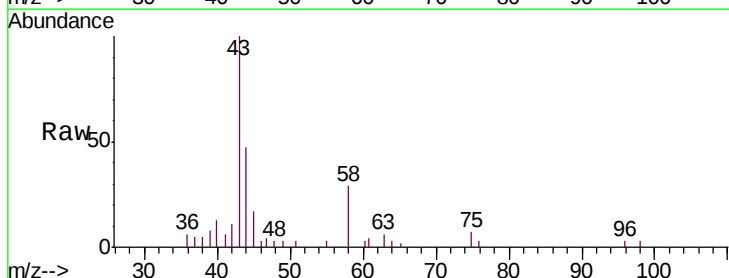
Acq: 24 Aug 2019 01:58

Tgt Ion: 43 Resp: 12596

Ion Ratio Lower Upper

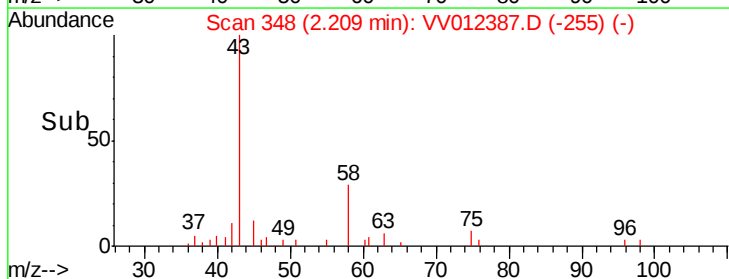
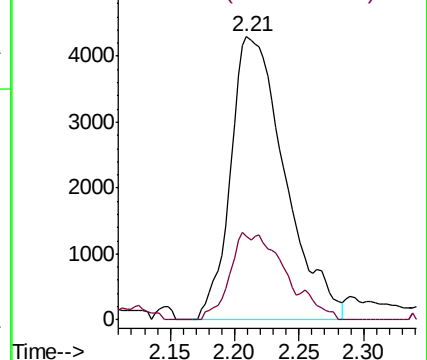
43 100

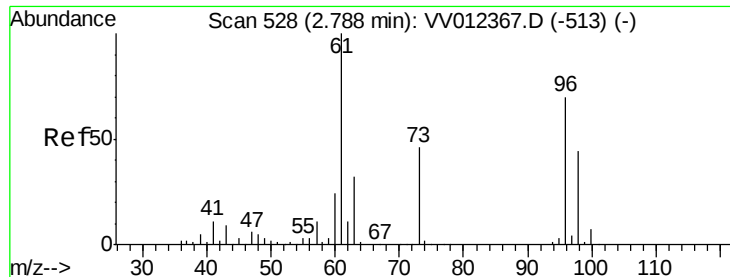
58 12.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.421 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

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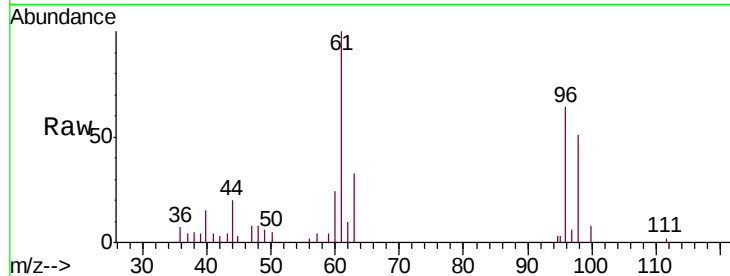
Tgt Ion: 96 Resp: 5954

Ion Ratio Lower Upper

96 100

61 156.0 96.0 178.4

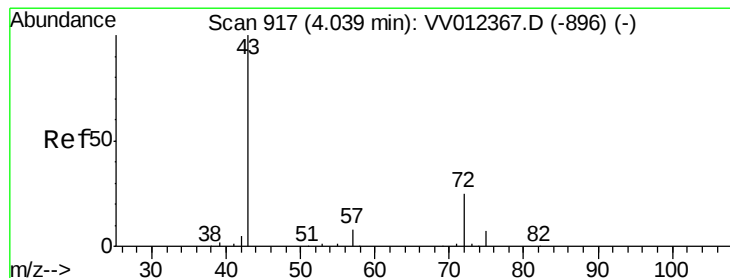
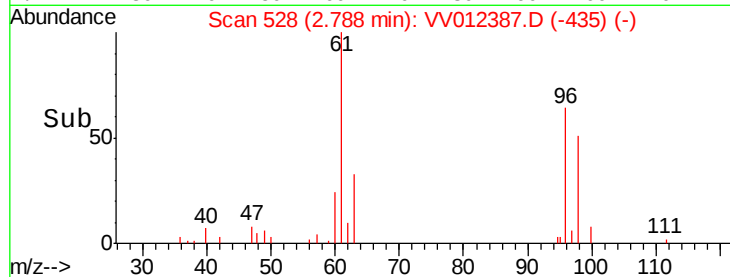
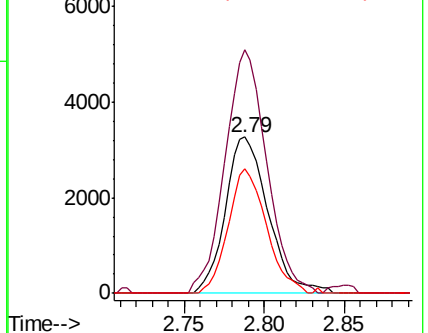
98 79.8 42.1 78.3#



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: 18.015 ug/L

RT: 4.14 min Scan# 949

Delta R.T. 0.10 min

Lab File: VV012387.D

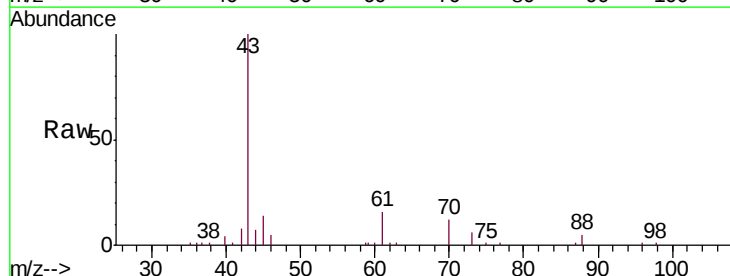
Acq: 24 Aug 2019 01:58

Tgt Ion: 43 Resp: 58392

Ion Ratio Lower Upper

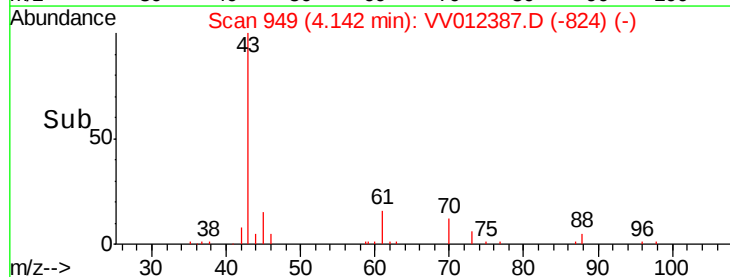
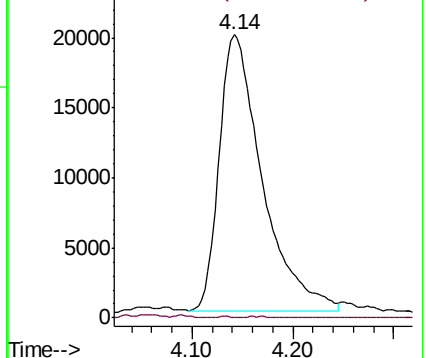
43 100

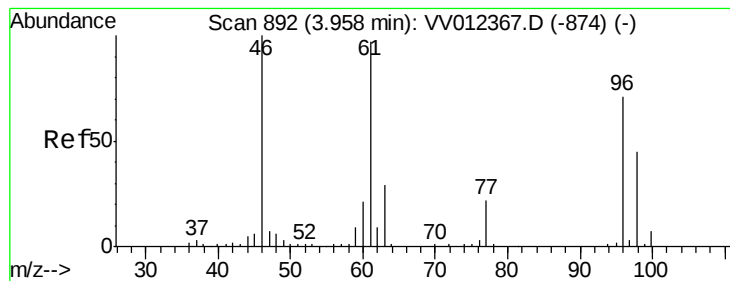
72 0.1 12.2 36.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



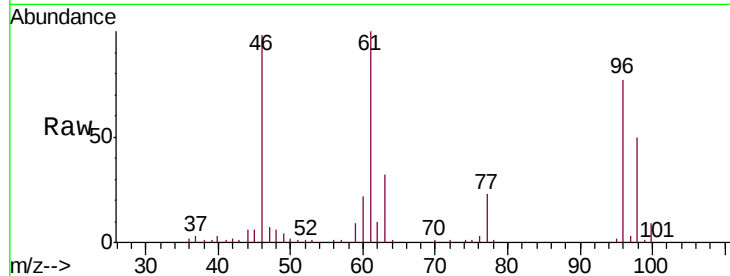


#22

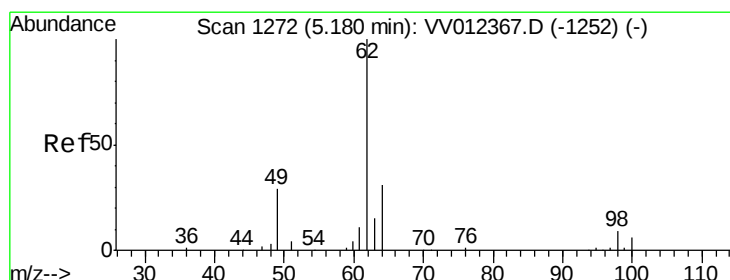
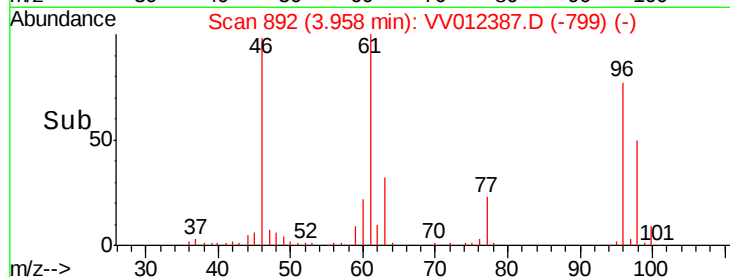
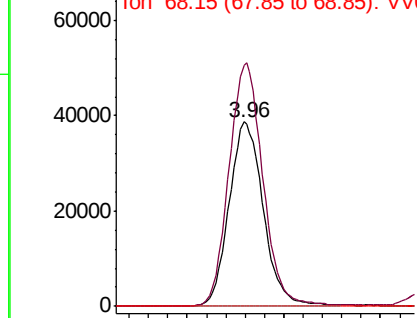
cis-1,2-Dichloroethene
 Concen: 6.178 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012387.D
 Acq: 24 Aug 2019 01:58

Instrument :
 MSVOA_V
 ClientSampleId :
 GANJ9MS

Tgt Ion: 96 Resp: 95192
 Ion Ratio Lower Upper
 96 100
 61 130.6 89.4 166.0
 68 0.0 0.0 0.0



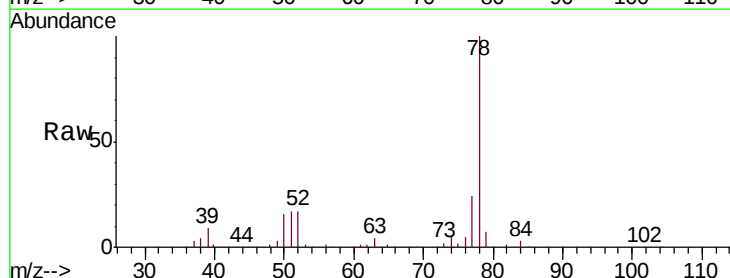
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



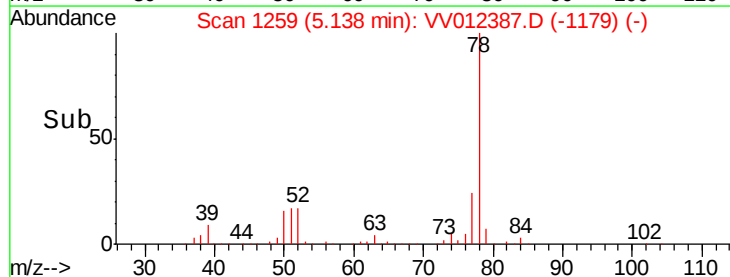
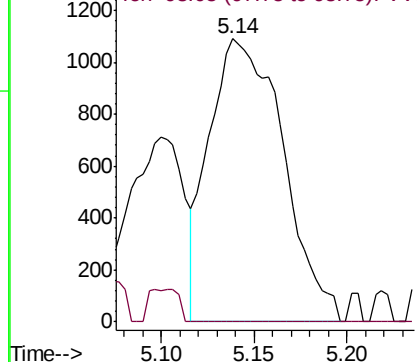
#27

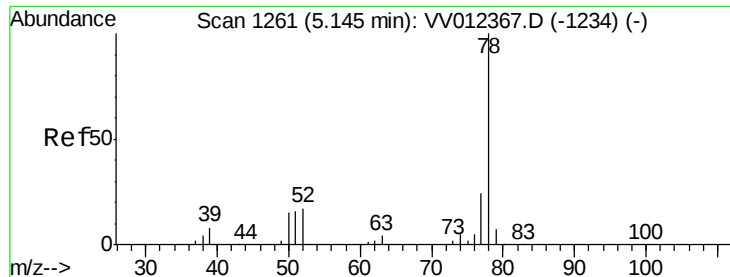
1,2-Dichloroethane
 Concen: 0.195 ug/L
 RT: 5.14 min Scan# 1259
 Delta R.T. -0.04 min
 Lab File: VV012387.D
 Acq: 24 Aug 2019 01:58

Tgt Ion: 62 Resp: 3016
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 5.634 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

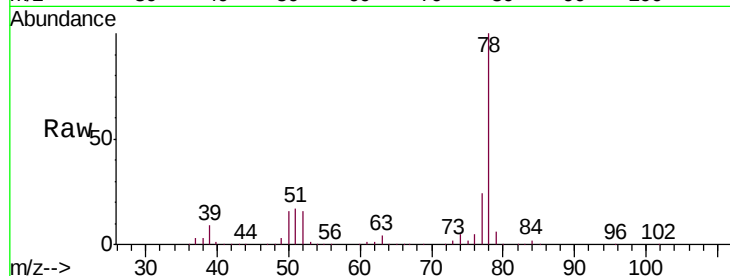
Instrument :

MSVOA_V

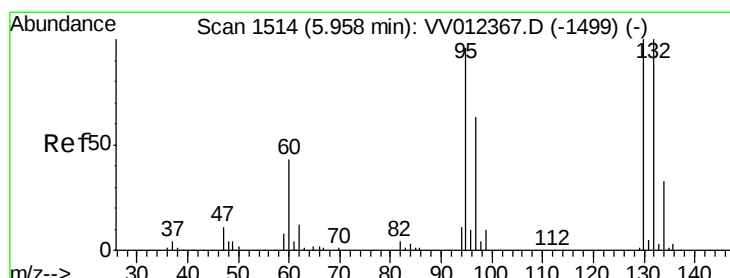
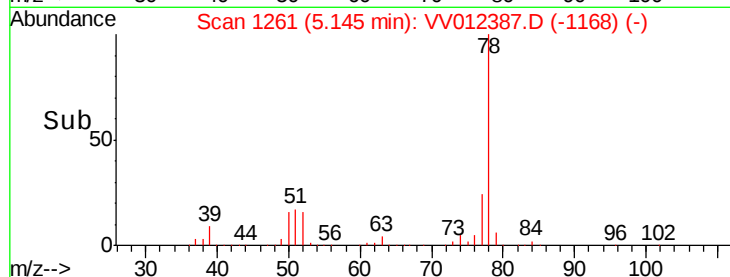
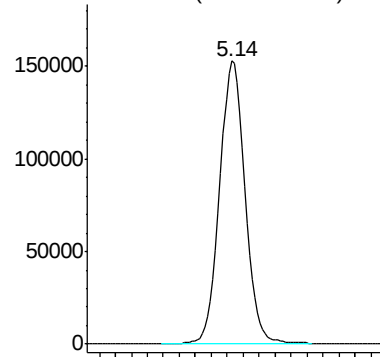
ClientSampleId :

GANJ9MS

Tgt Ion: 78 Resp: 330185



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.508 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

Tgt Ion: 95 Resp: 102943

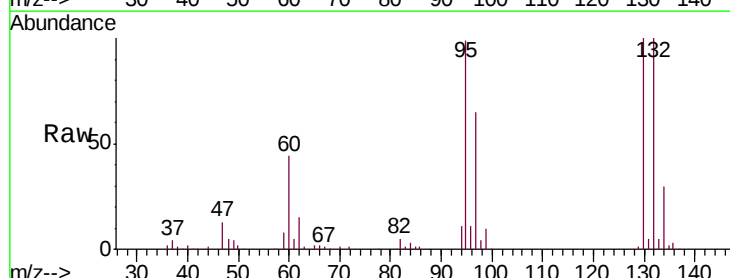
Ion	Ratio	Lower	Upper
95	100		
97	65.5	46.3	86.1
132	100.5	70.3	130.7
130	100.8	72.4	134.5

95 100

97 65.5 46.3 86.1

132 100.5 70.3 130.7

130 100.8 72.4 134.5

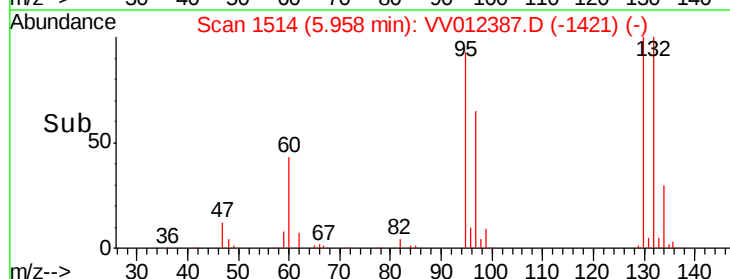
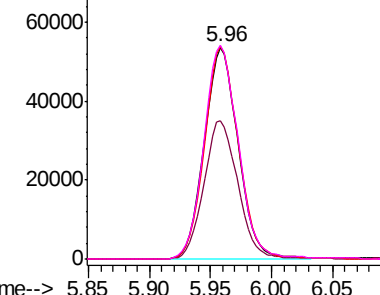


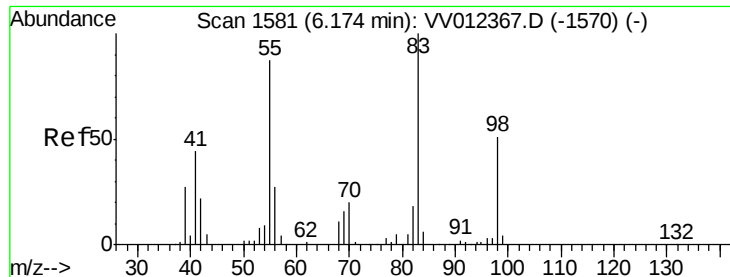
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

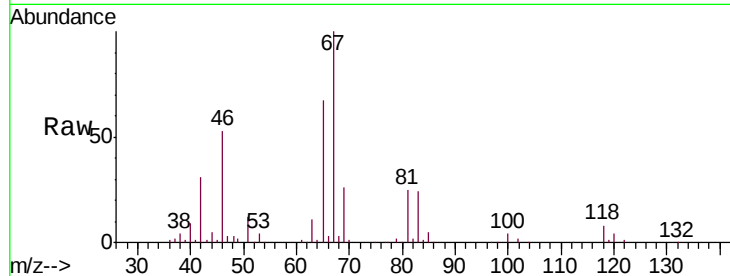




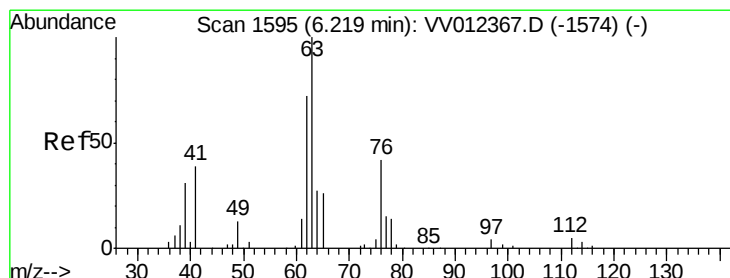
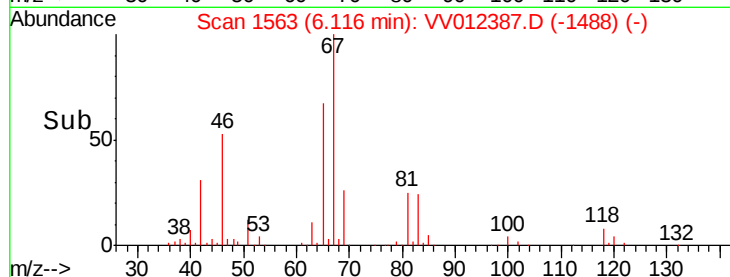
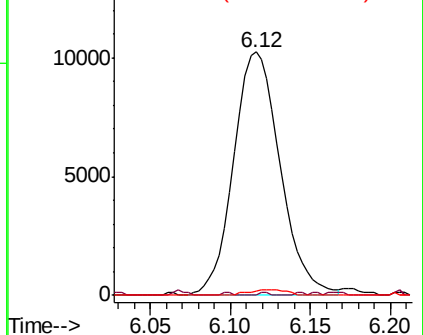
#35
Methylcyclohexane
Concen: 0.821 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012387.D
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Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.2	64.6	97.0#
98	1.9	39.0	58.4#

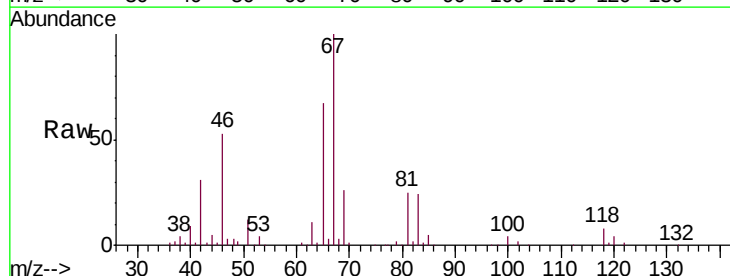


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

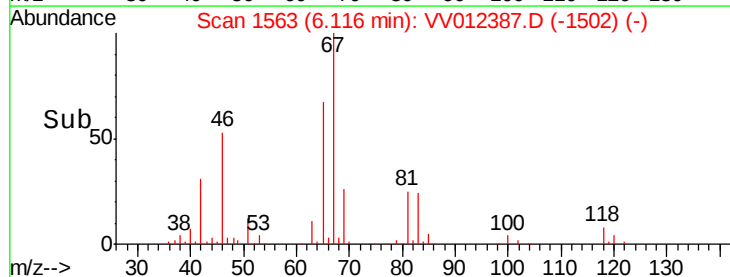
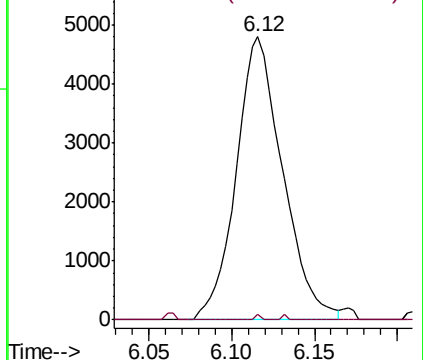


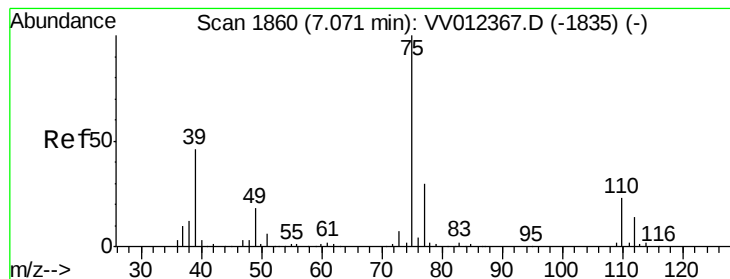
#37
1,2-Dichloropropane
Concen: 0.631 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012387.D
Acq: 24 Aug 2019 01:58

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.2	4.2	6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



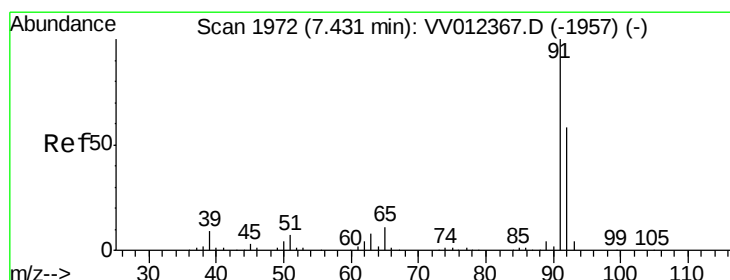
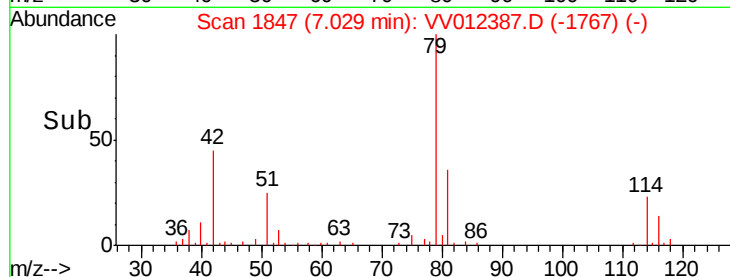
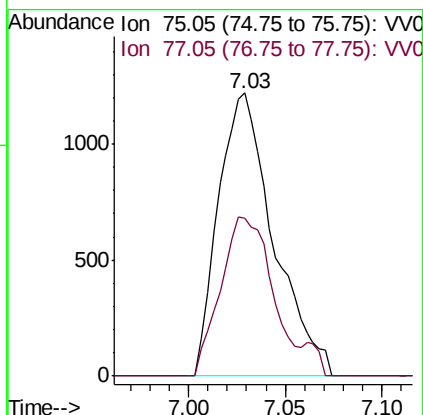
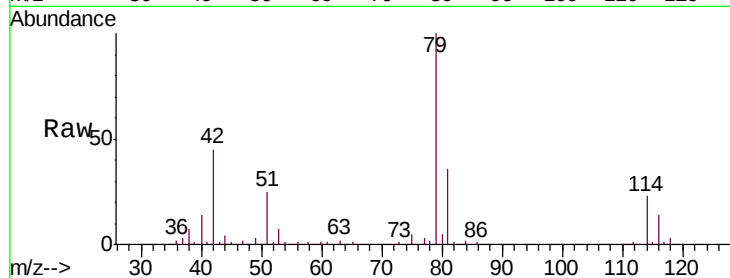


#39

cis-1,3-Dichloropropene
 Concen: 0.121 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012387.D
 Acq: 24 Aug 2019 01:58

Instrument :
 MSVOA_V
 ClientSampleId :
 GANJ9MS

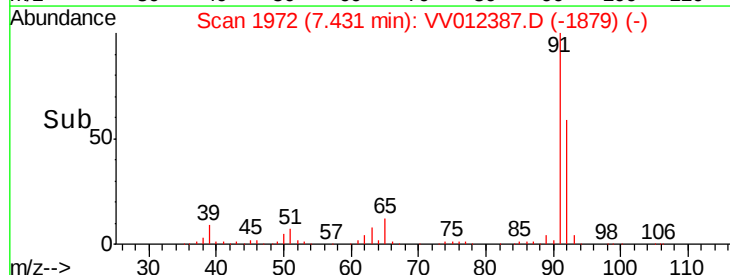
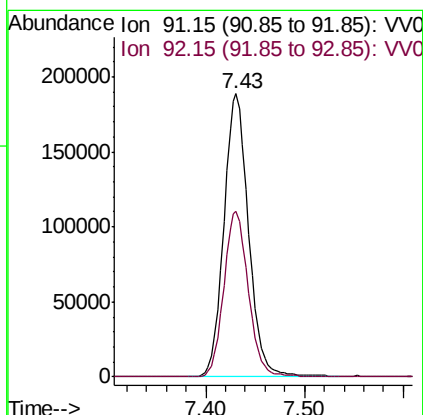
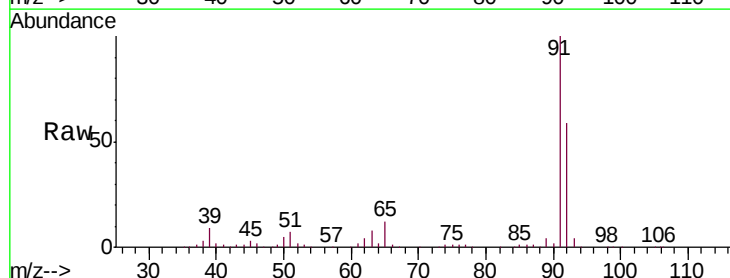
Tgt Ion: 75 Resp: 2410
 Ion Ratio Lower Upper
 75 100
 77 55.6 23.2 43.2#

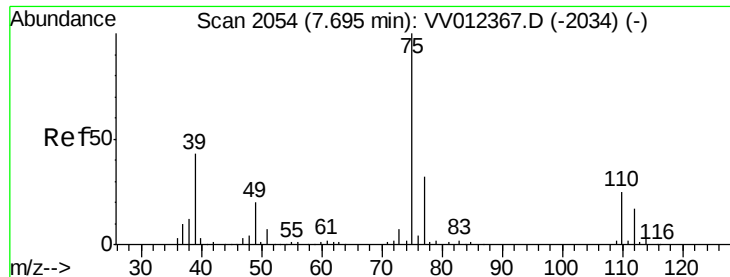


#42

Toluene
 Concen: 5.540 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV012387.D
 Acq: 24 Aug 2019 01:58

Tgt Ion: 91 Resp: 331623
 Ion Ratio Lower Upper
 91 100
 92 58.5 40.7 75.5





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

Instrument :

MSVOA_V

ClientSampleId :

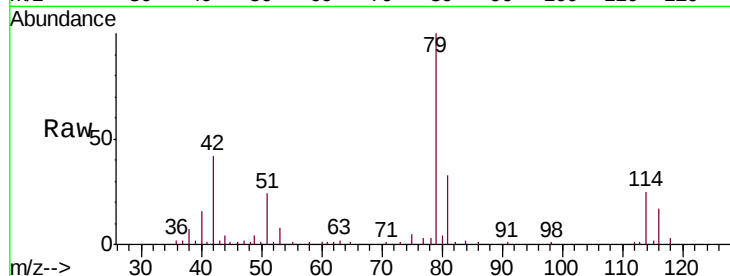
GANJ9MS

Tgt Ion: 75 Resp: 1397

Ion Ratio Lower Upper

75 100

77 60.3 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VV012367.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV012367.D (-2034) (-)

7.67

800

600

400

200

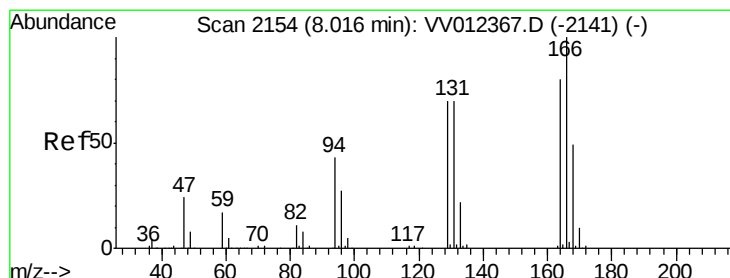
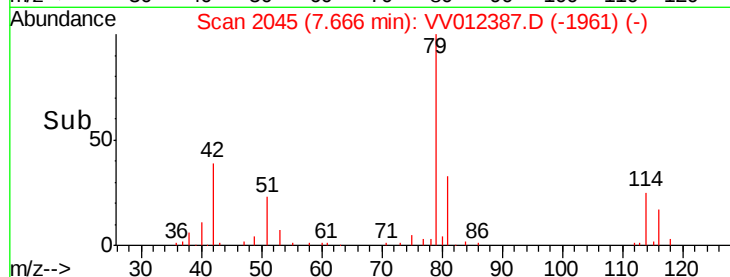
0

7.60

7.65

7.70

Time-->



#47

Tetrachloroethene

Concen: 1.827 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

Tgt Ion: 164 Resp: 23321

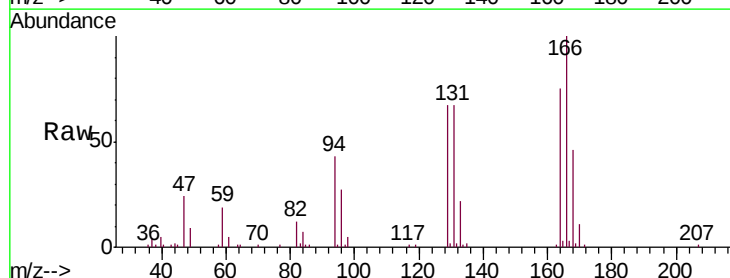
Ion Ratio Lower Upper

164 100

129 89.1 60.6 112.6

131 89.5 58.8 109.2

166 133.5 87.6 162.8



Abundance Ion 163.90 (163.60 to 164.60): VV012367.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012367.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012367.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012367.D (-2141) (-)

25000

20000

15000

10000

5000

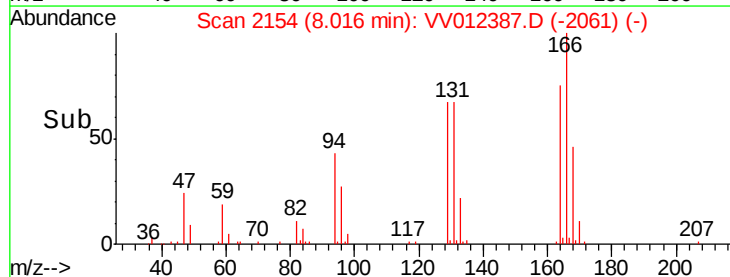
0

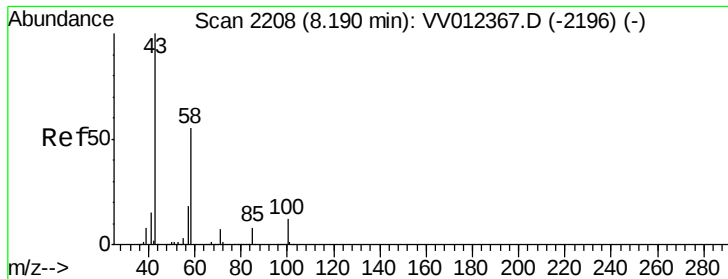
7.95

8.00

8.05

Time-->

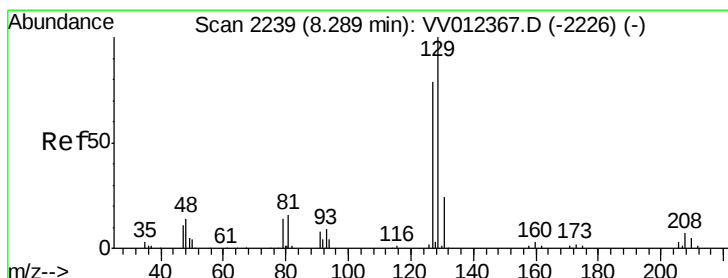
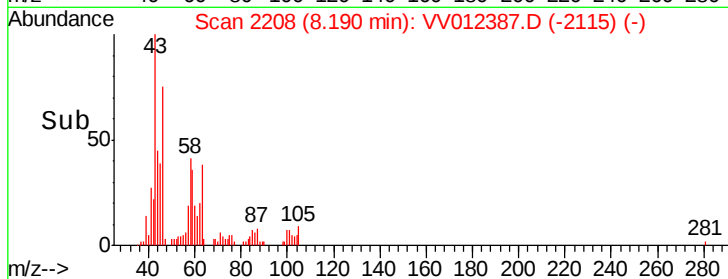
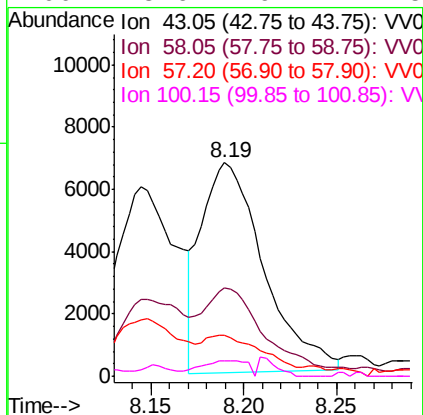
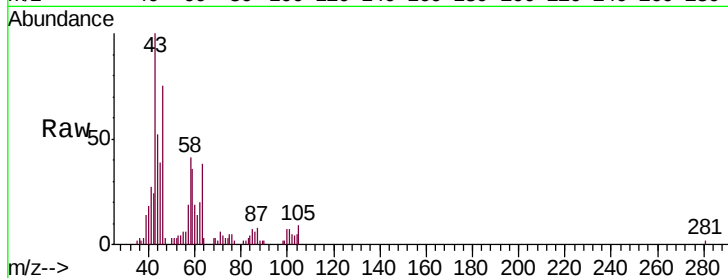




#48
2-Hexanone
Concen: 2.735 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012387.D
Acq: 24 Aug 2019 01:58

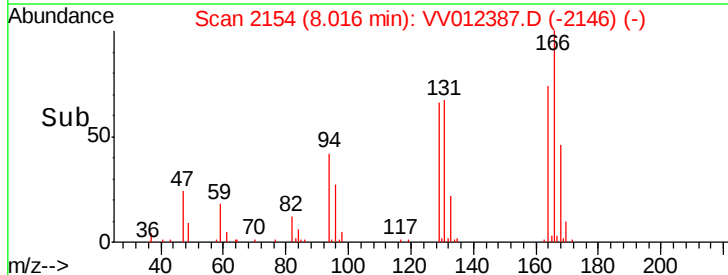
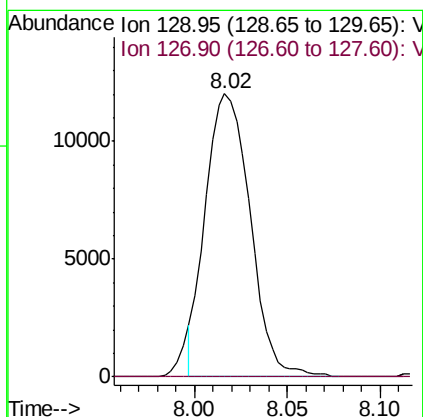
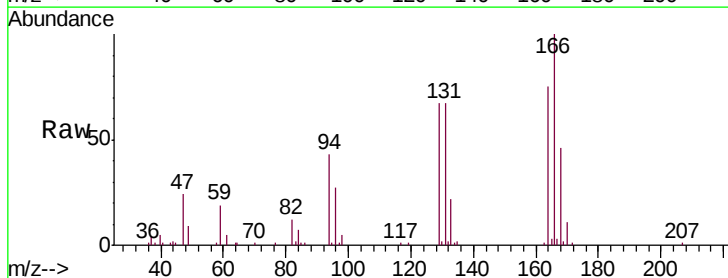
Instrument :
MSVOA_V
ClientSampleId :
GANJ9MS

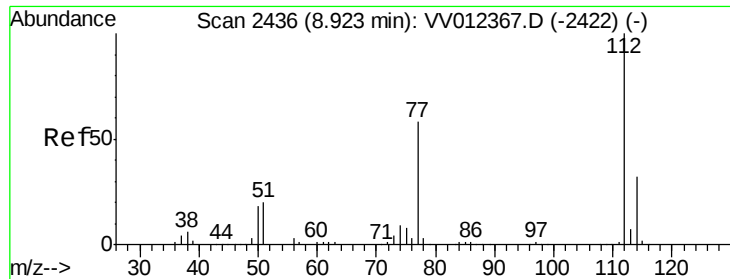
Tgt Ion:	43	Resp:	15697
Ion	Ratio	Lower	Upper
43	100		
58	36.2	46.3	69.5#
57	14.7	14.9	22.3#
100	5.6	9.7	14.5#



#49
Dibromochloromethane
Concen: 1.737 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012387.D
Acq: 24 Aug 2019 01:58

Tgt Ion:	129	Resp:	20026
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.8	99.8#





#51

Chlorobenzene

Concen: 5.654 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012387.D

Acq: 24 Aug 2019 01:58

Instrument :

MSVOA_V

ClientSampleId :

GANJ9MS

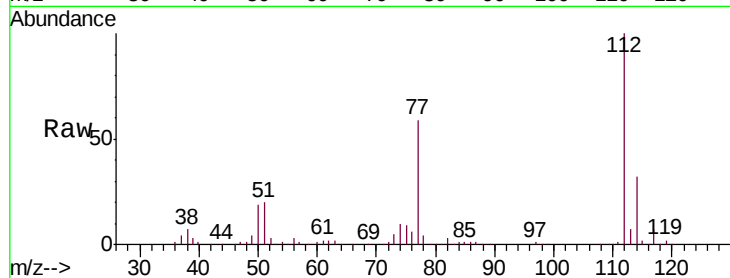
Tgt Ion:112 Resp: 221143

Ion Ratio Lower Upper

112 100

114 32.4 23.0 42.6

77 59.4 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

