

Data File : VV011212.D
Acq On : 04 Jun 2019 18:22
Operator : SY/MD
Sample : K3081-11MSD
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GALD9MSD

Quant Time: Jun 05 01:45:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 05 01:41:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	171815	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69086	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59242	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.55	69	45940	4.24	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.12	63	120034	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	3.94	46	163935	55.93	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.86%
24) Chloroform-d	4.40	84	104991	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.08	65	60142	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.09	84	221477	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.12	67	68422	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	204881	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.66	79	26317	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.13	63	138953	58.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51619	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	68615	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	1485	0.094 ug/L #	1
6) Bromomethane	1.51	94	1294	0.157 ug/L	92
8) Chloroethane	1.56	64	952	0.094 ug/L #	60
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3128	0.281 ug/L	91
12) 1,1-Dichloroethene	2.13	96	53427	4.935 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	12043	0.897 ug/L	86
25) Chloroform	4.43	83	2882	0.117 ug/L	83
33) Benzene	5.14	78	251248	4.935 ug/L	100
34) Trichloroethene	5.96	95	377990	28.739 ug/L	97
35) Methylcyclohexane	6.11	83	16114	0.741 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	8222	0.649 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	2279	0.123 ug/L #	34
42) Toluene	7.43	91	274327	5.056 ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	1617	0.115 ug/L #	77
47) Tetrachloroethene	8.02	164	4220	0.444 ug/L	95
48) 2-Hexanone	8.13	43	17164	3.050 ug/L #	72
49) Dibromochloromethane	8.02	129	4051	0.440 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060419\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

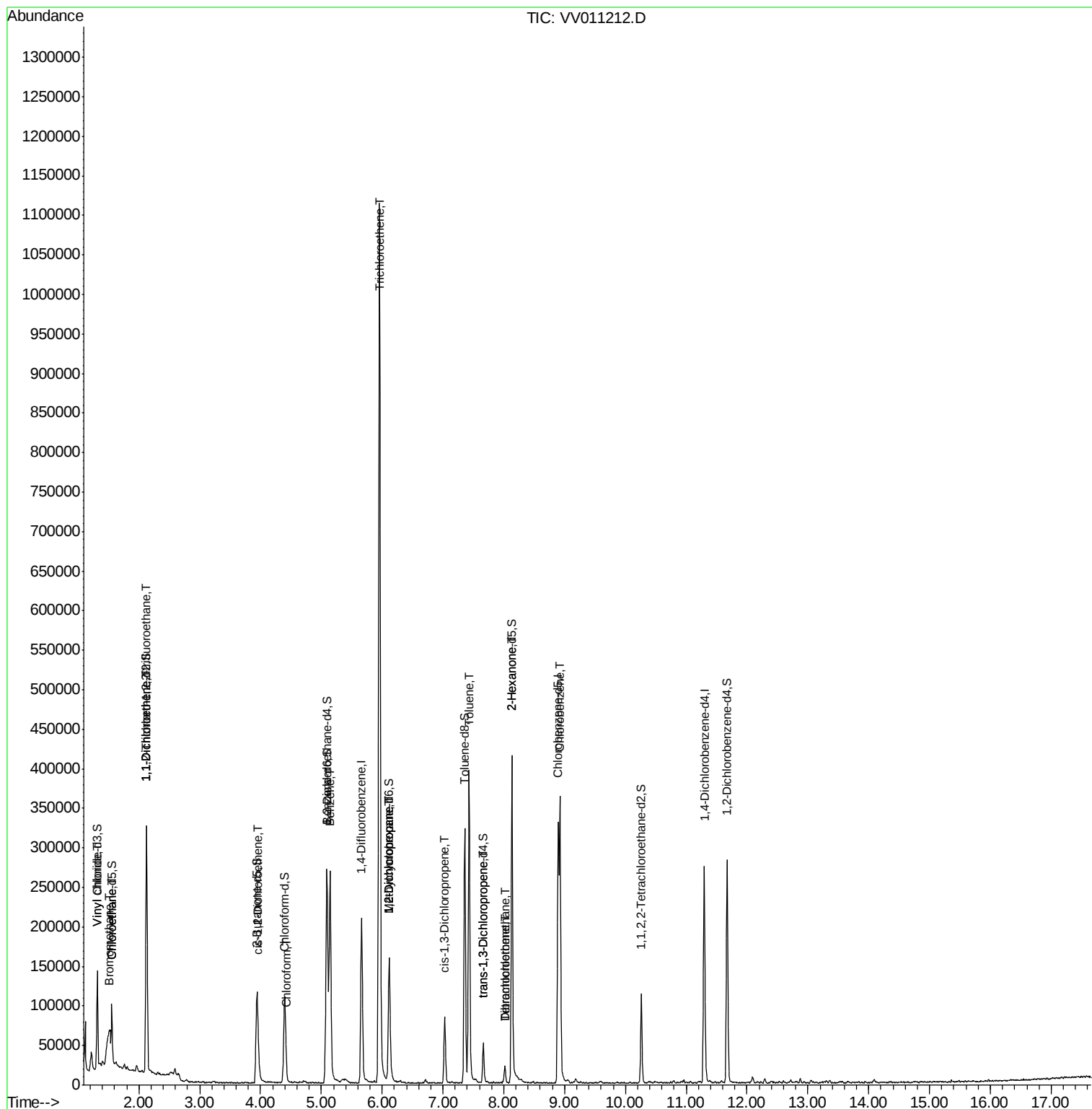
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	8.92	112	169705	5.128	ug/L	99

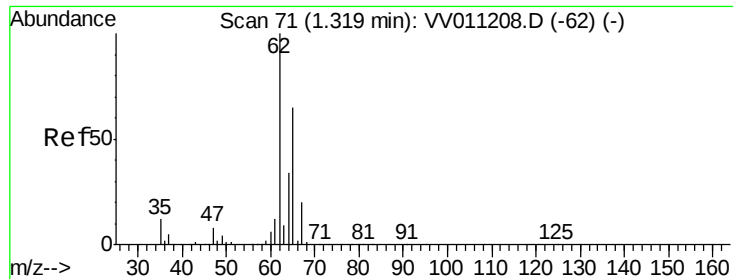
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.094 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

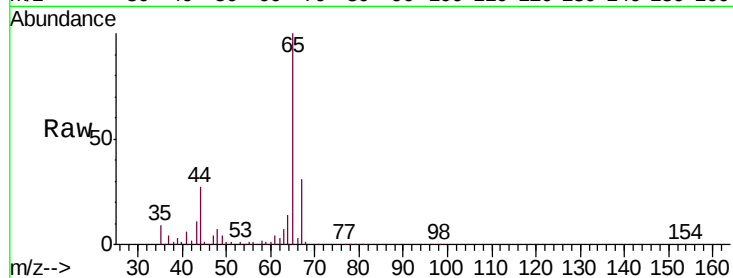
GALD9MSD

Tgt Ion: 62 Resp: 1485

Ion Ratio Lower Upper

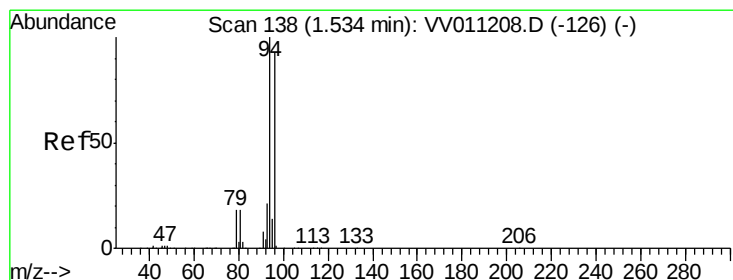
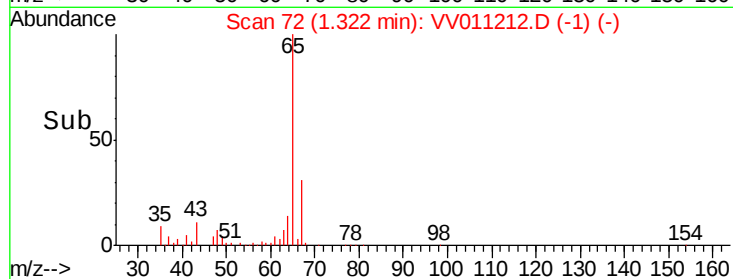
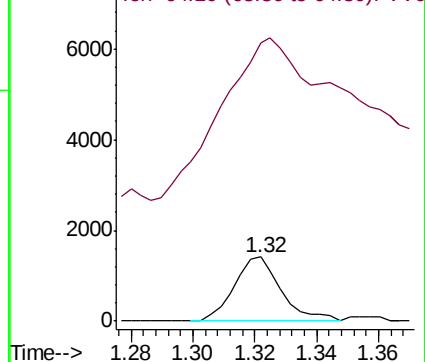
62 100

64 432.3 25.9 48.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.157 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV011212.D

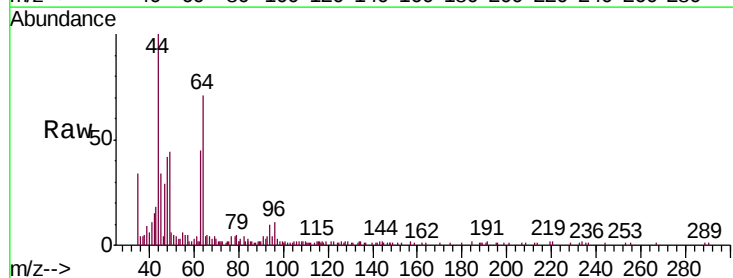
Acq: 04 Jun 2019 18:22

Tgt Ion: 94 Resp: 1294

Ion Ratio Lower Upper

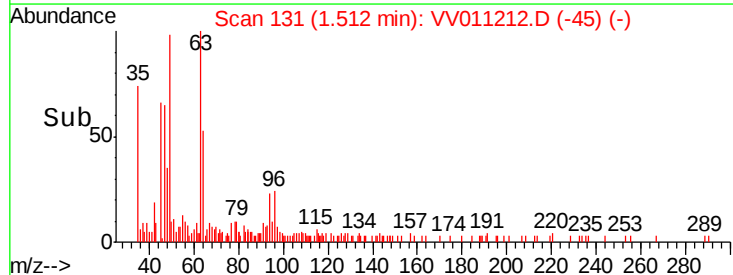
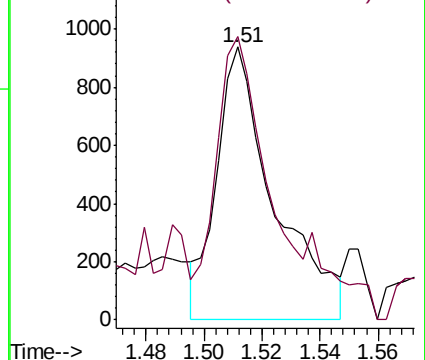
94 100

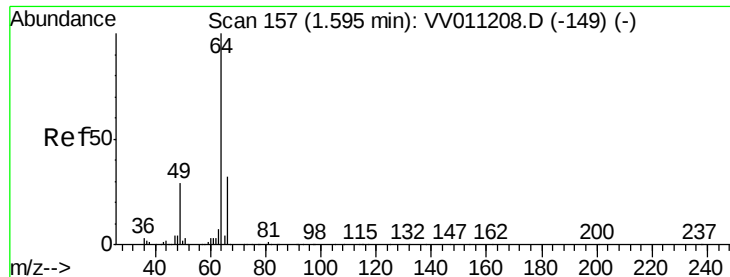
96 103.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.094 ug/L

RT: 1.56 min Scan# 147

Delta R.T. -0.03 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

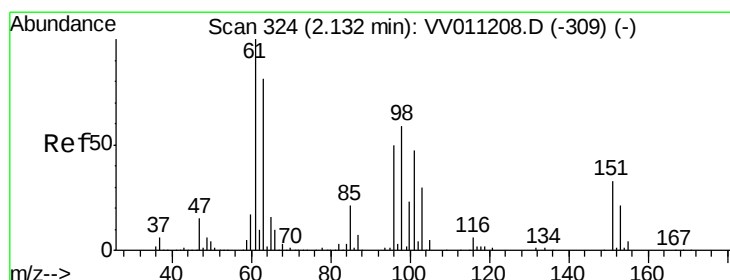
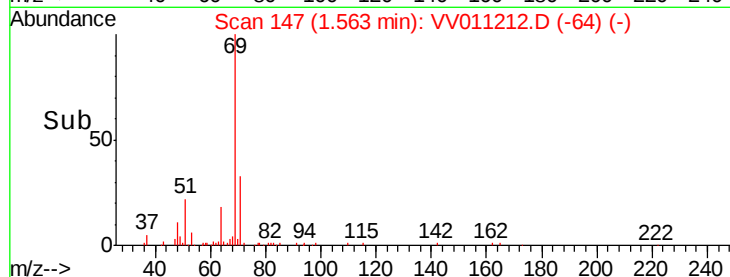
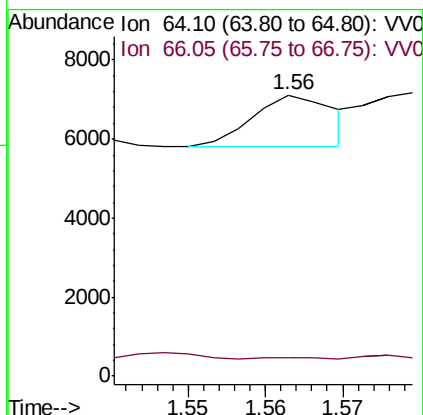
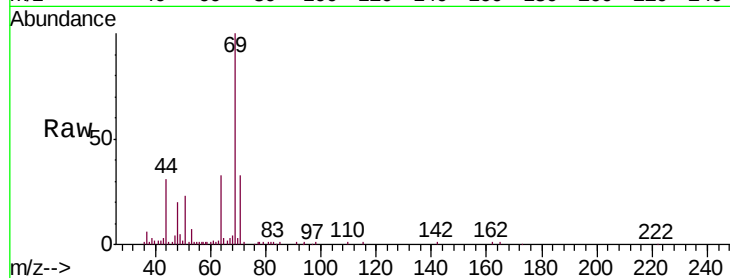
GALD9MSD

Tgt Ion: 64 Resp: 952

Ion Ratio Lower Upper

64 100

66 6.8 19.4 36.0#



#10

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

Concen: 0.281 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

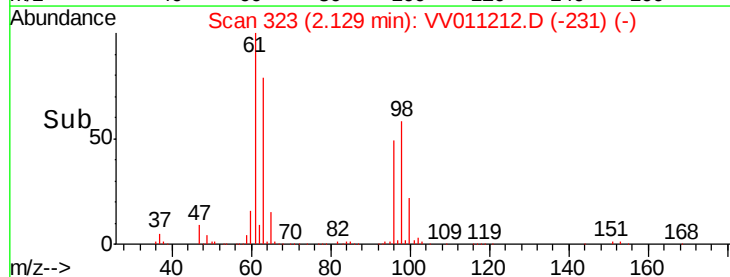
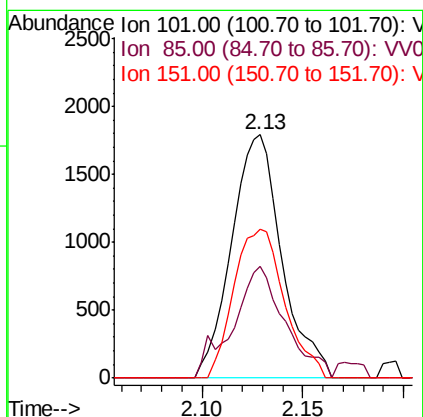
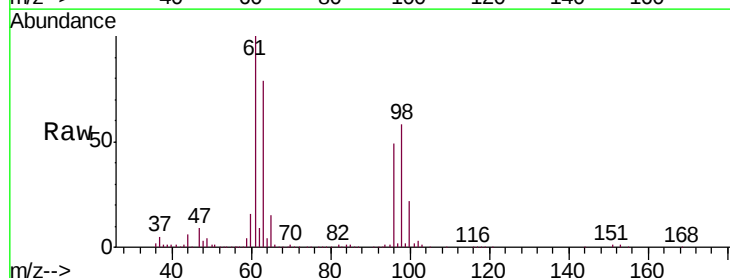
Tgt Ion: 101 Resp: 3128

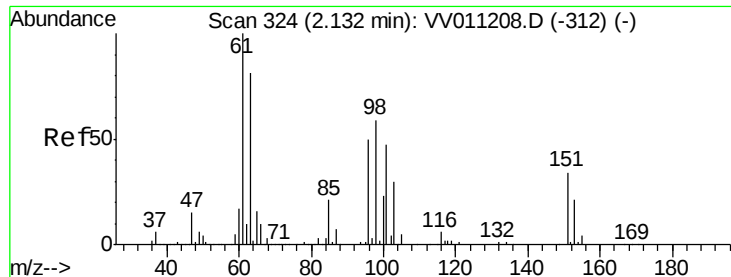
Ion Ratio Lower Upper

101 100

85 47.4 35.5 53.3

151 61.7 56.9 85.3

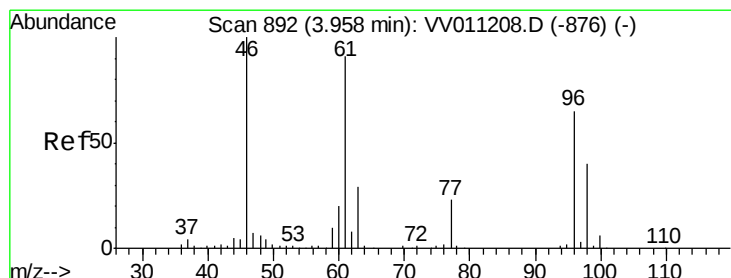
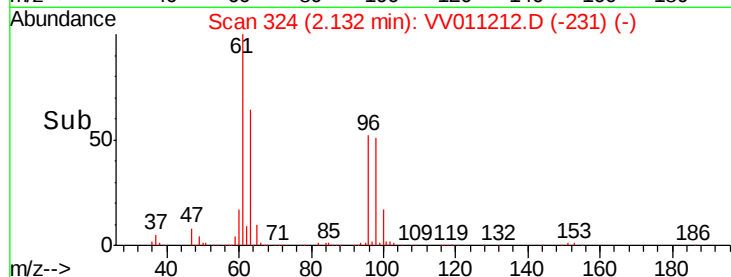
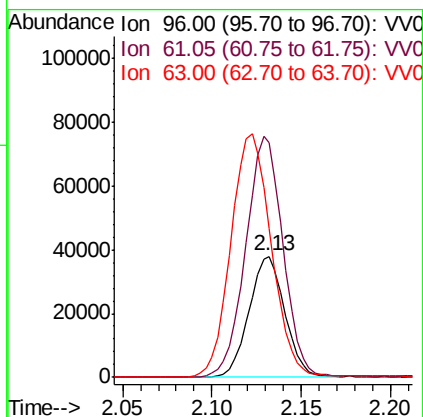
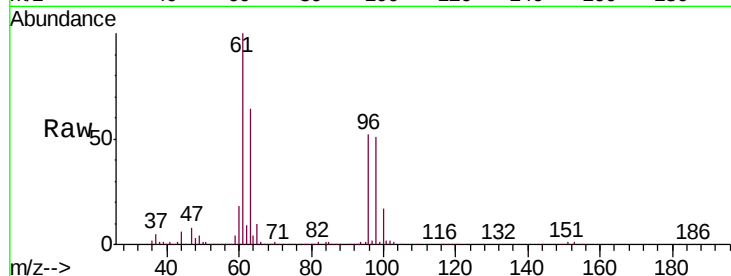




#12
 1,1-Dichloroethene
 Concen: 4.935 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VV011212.D
 Acq: 04 Jun 2019 18:22

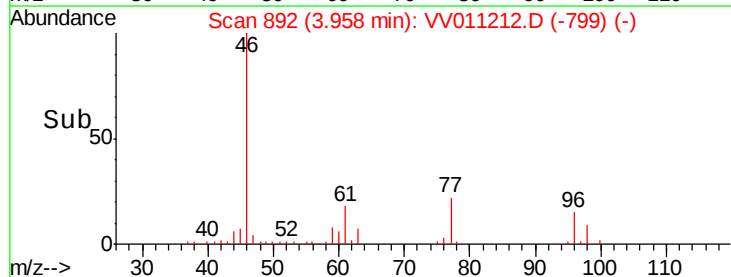
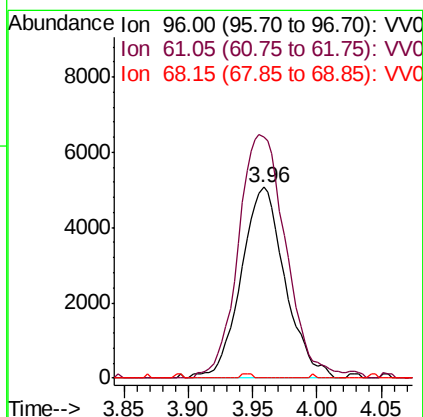
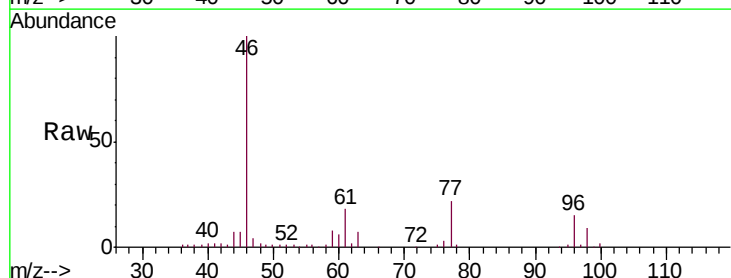
Instrument :
 MSVOA_V
 ClientSampleId :
 GALD9MSD

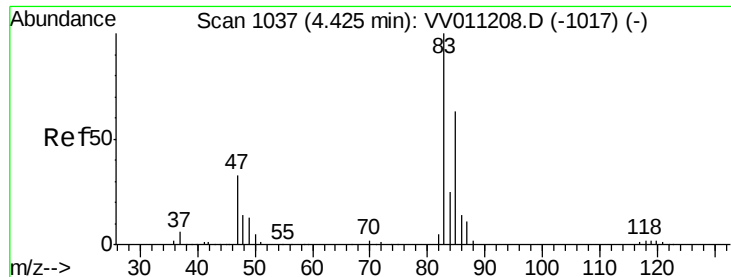
Tgt Ion: 96 Resp: 53427
 Ion Ratio Lower Upper
 96 100
 61 193.4 139.8 259.6
 63 123.4 94.3 175.1



#22
 cis-1,2-Dichloroethene
 Concen: 0.897 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV011212.D
 Acq: 04 Jun 2019 18:22

Tgt Ion: 96 Resp: 12043
 Ion Ratio Lower Upper
 96 100
 61 126.5 100.8 187.2
 68 0.0 0.0 0.0

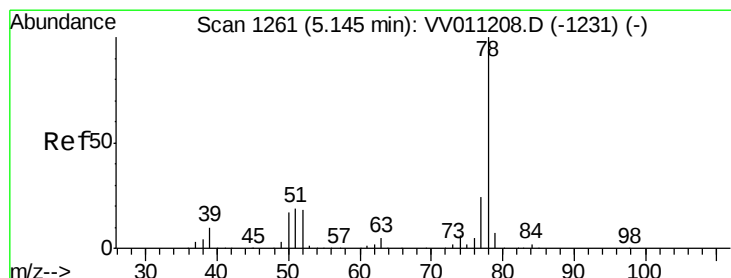
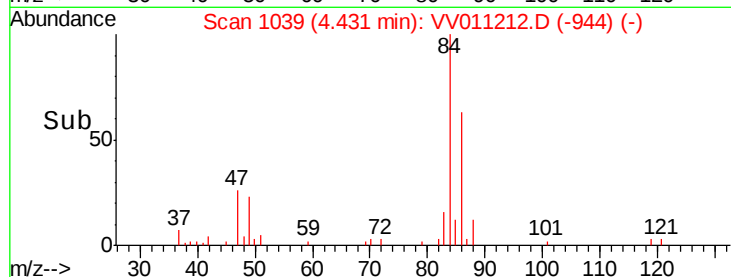
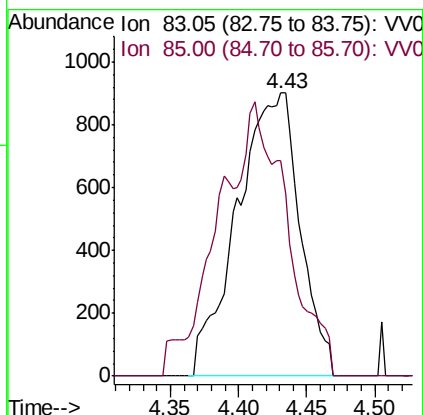
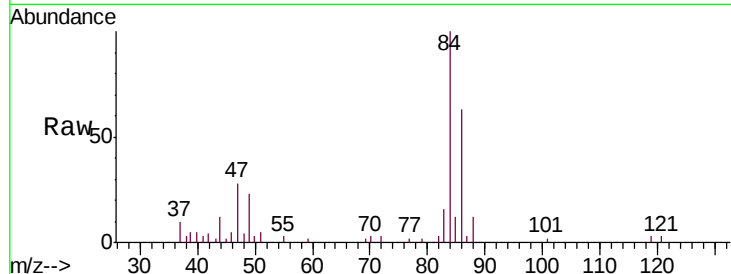




#25
Chloroform
Concen: 0.117 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV011212.D
Acq: 04 Jun 2019 18:22

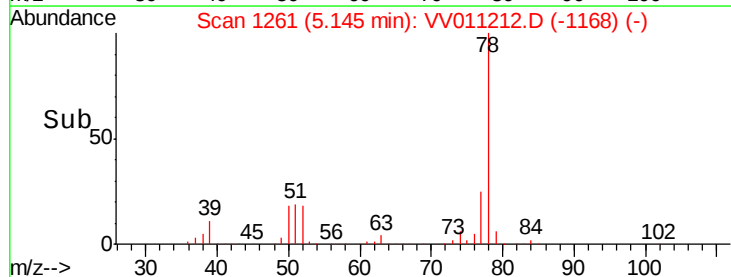
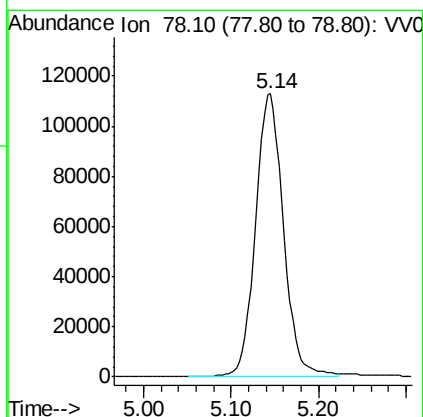
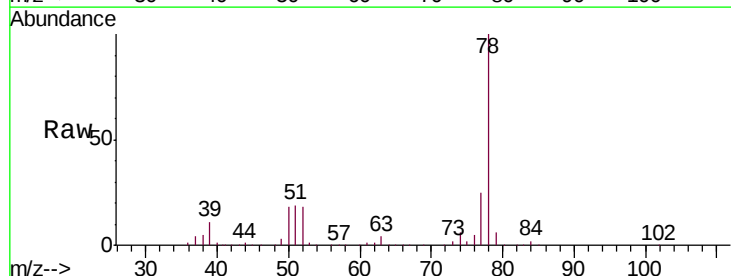
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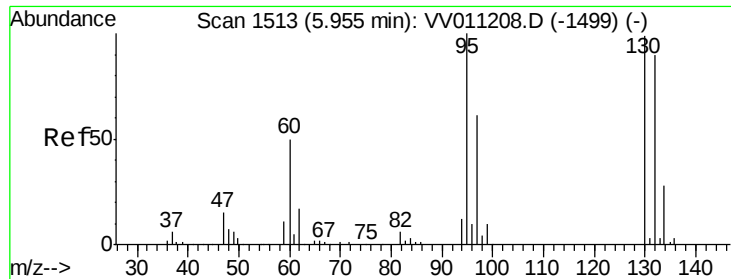
Tgt Ion: 83 Resp: 2882
Ion Ratio Lower Upper
83 100
85 76.0 44.1 81.9



#33
Benzene
Concen: 4.935 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV011212.D
Acq: 04 Jun 2019 18:22

Tgt Ion: 78 Resp: 251248





#34

Trichloroethene

Concen: 28.739 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

GALD9MSD

Tgt Ion: 95 Resp: 377990

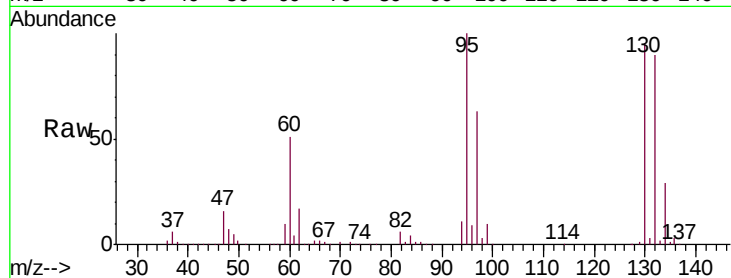
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.2

132 89.7 66.4 123.2

130 95.4 68.3 126.8

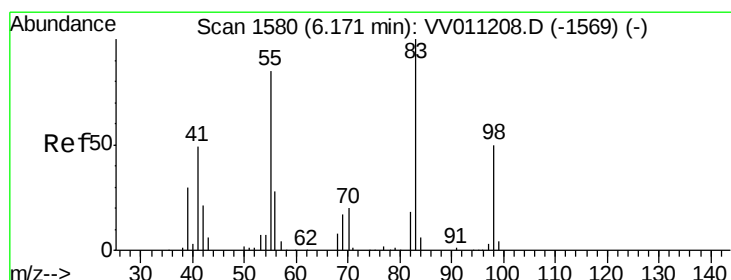
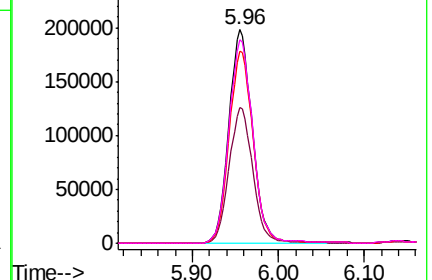
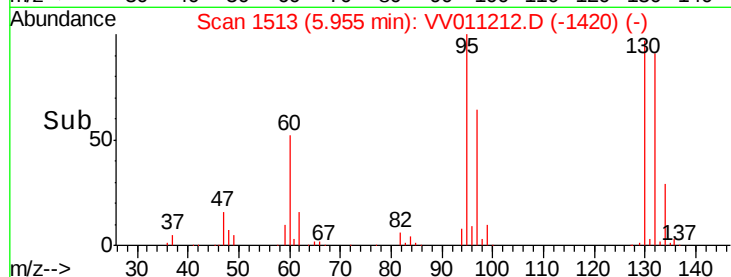


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.741 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

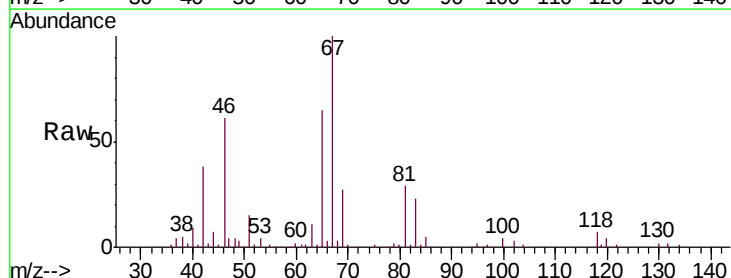
Tgt Ion: 83 Resp: 16114

Ion Ratio Lower Upper

83 100

55 1.3 67.0 100.6#

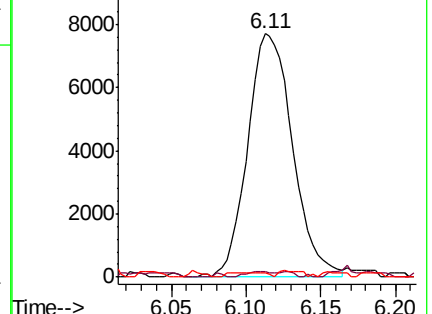
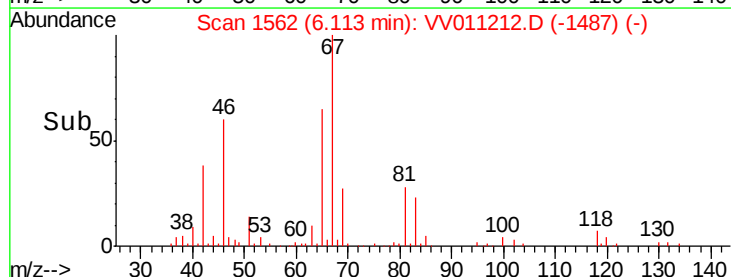
98 0.0 40.0 60.0#

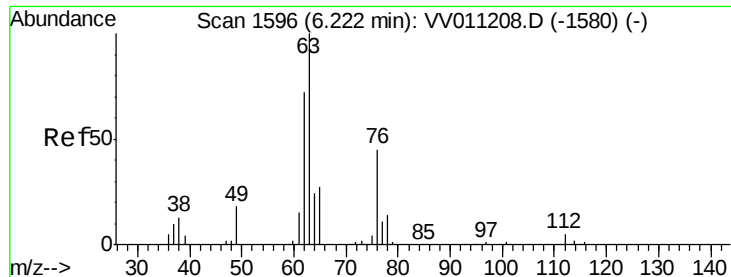


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

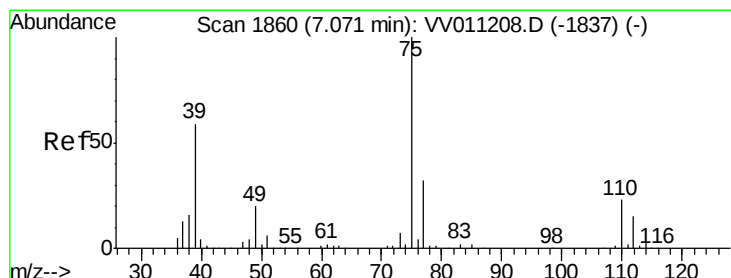
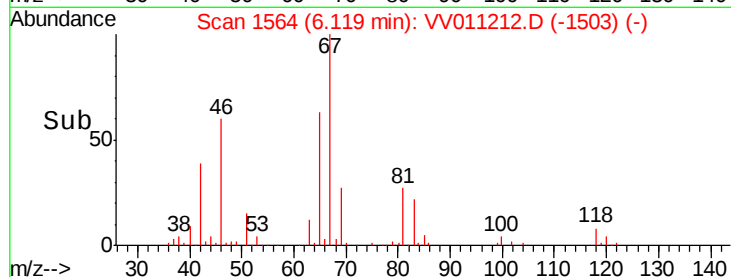
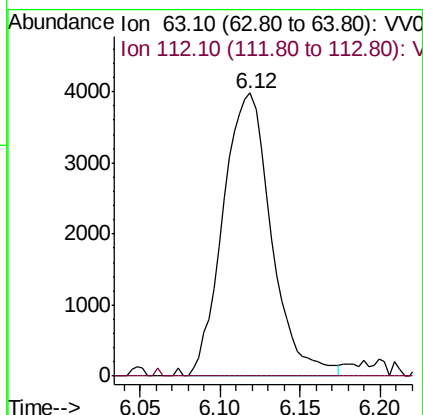
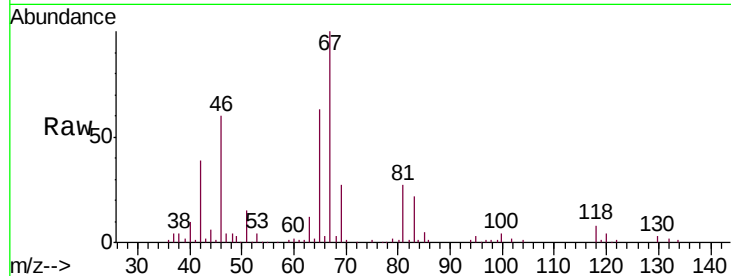




#37
 1,2-Dichloropropane
 Concen: 0.649 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV011212.D
 Acq: 04 Jun 2019 18:22

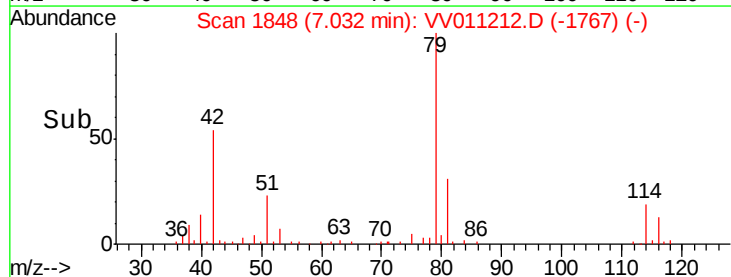
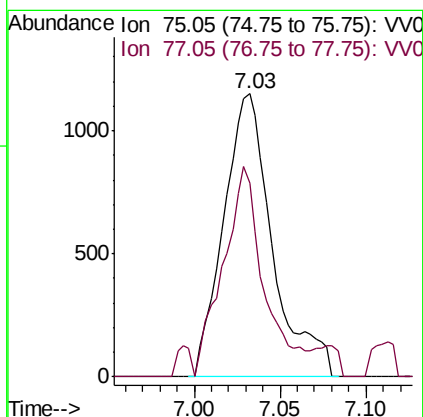
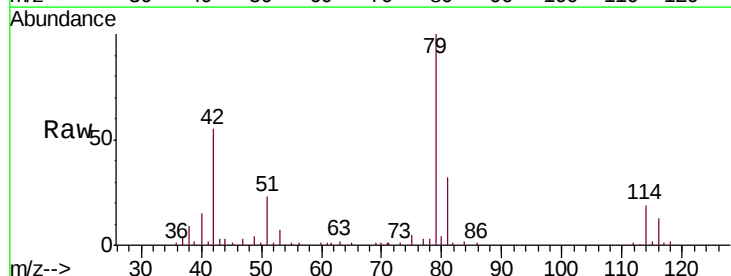
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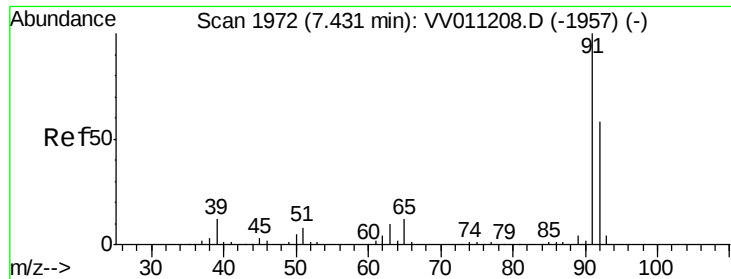
Tgt Ion: 63 Resp: 8222
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.123 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011212.D
 Acq: 04 Jun 2019 18:22

Tgt Ion: 75 Resp: 2279
 Ion Ratio Lower Upper
 75 100
 77 68.5 22.2 41.2#





#42

Toluene

Concen: 5.056 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

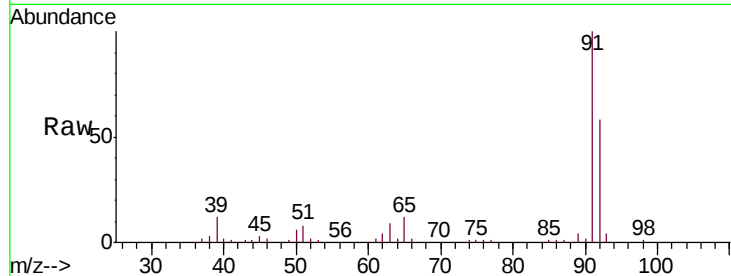
GALD9MSD

Tgt Ion: 91 Resp: 274327

Ion Ratio Lower Upper

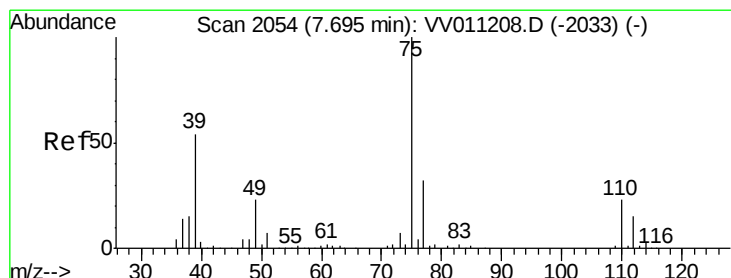
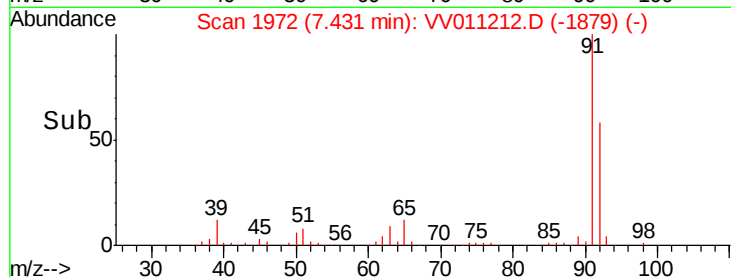
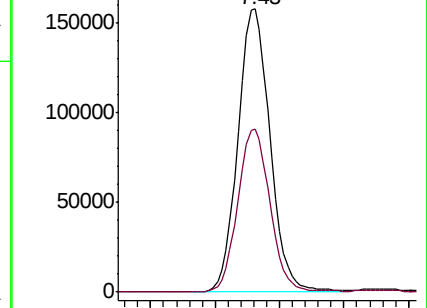
91 100

92 57.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011212.D

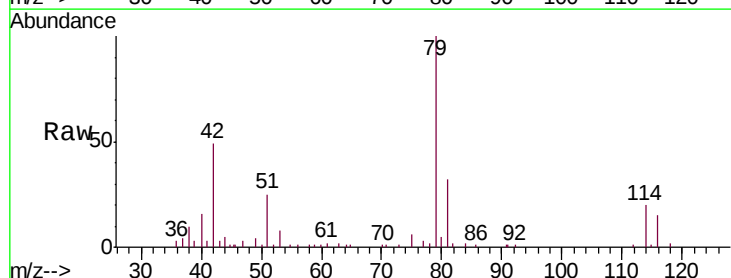
Acq: 04 Jun 2019 18:22

Tgt Ion: 75 Resp: 1617

Ion Ratio Lower Upper

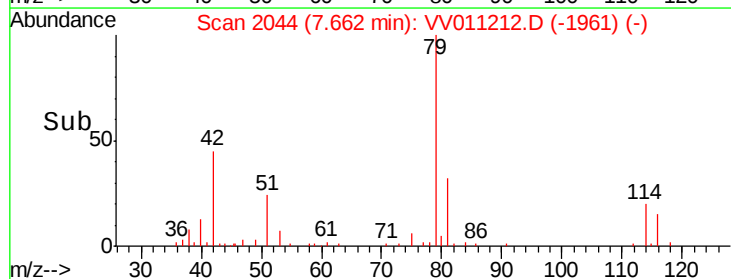
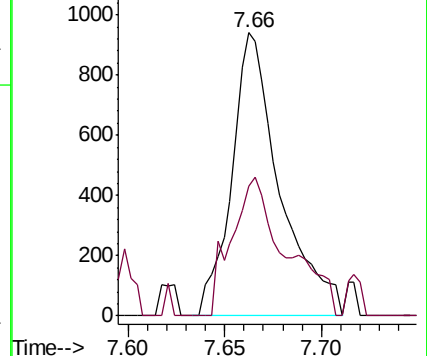
75 100

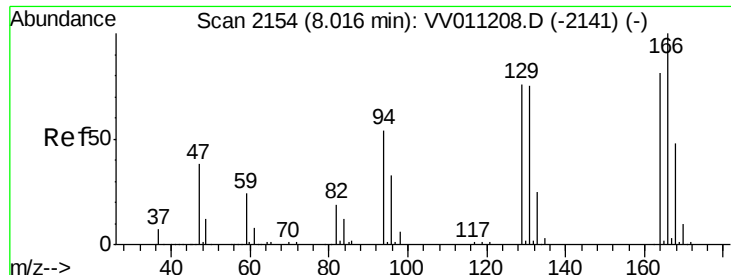
77 45.7 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

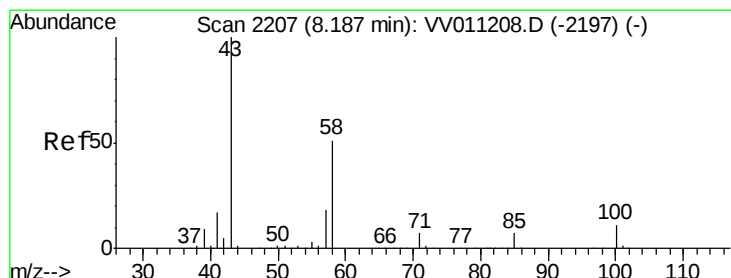
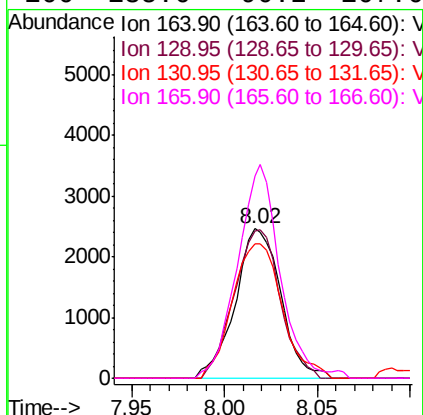
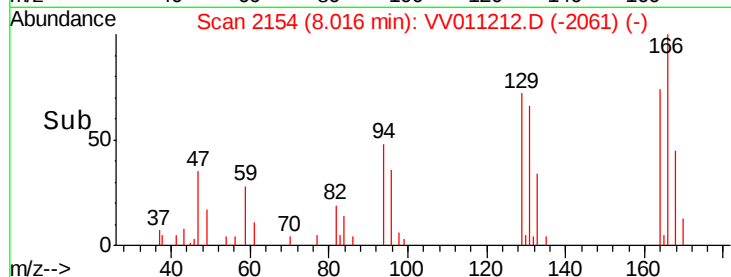
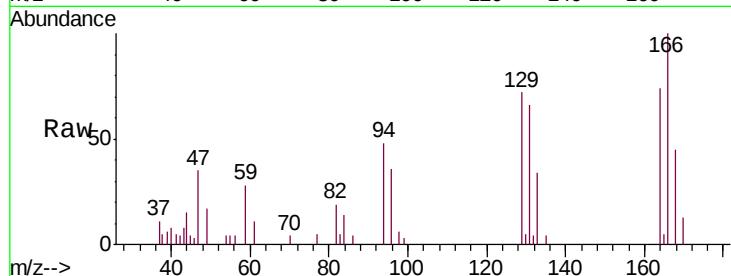




#47
Tetrachloroethene
Concen: 0.444 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011212.D
Acq: 04 Jun 2019 18:22

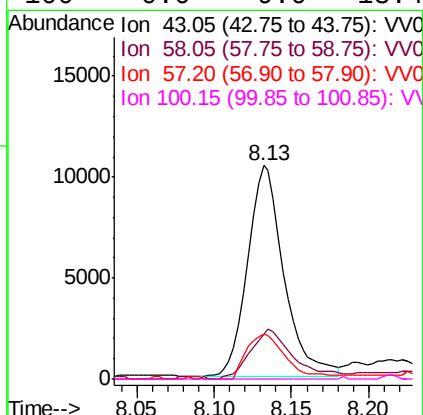
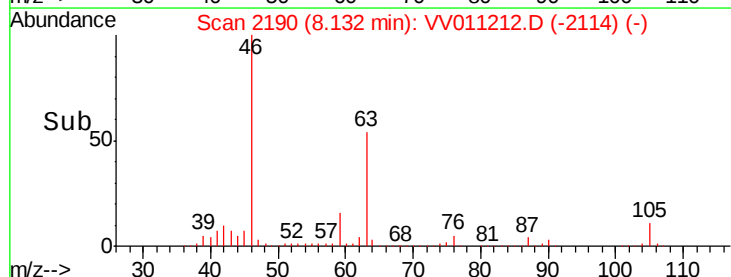
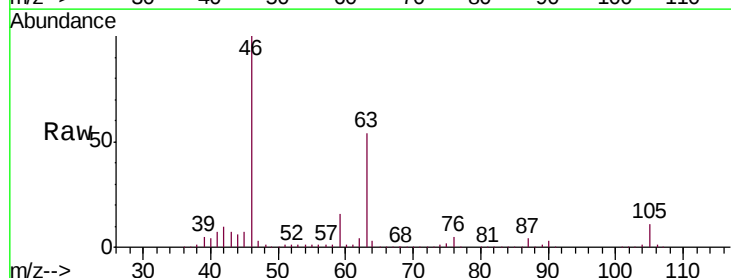
Instrument :
MSVOA_V
ClientSampleId :
GALD9MSD

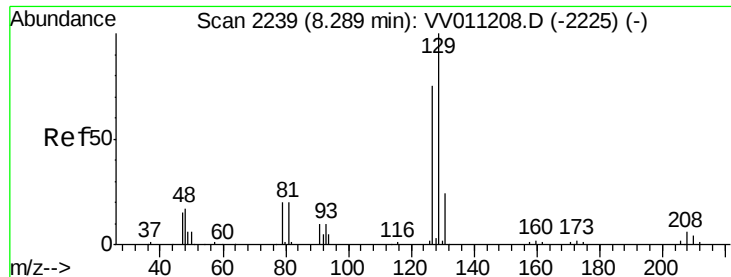
Tgt Ion:164 Resp: 4220
Ion Ratio Lower Upper
164 100
129 98.0 69.9 129.9
131 89.7 66.8 124.2
166 135.6 90.2 167.6



#48
2-Hexanone
Concen: 3.050 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV011212.D
Acq: 04 Jun 2019 18:22

Tgt Ion: 43 Resp: 17164
Ion Ratio Lower Upper
43 100
58 28.1 41.4 62.0#
57 23.1 15.0 22.4#
100 0.0 9.0 13.4#





#49

Dibromochloromethane

Concen: 0.440 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

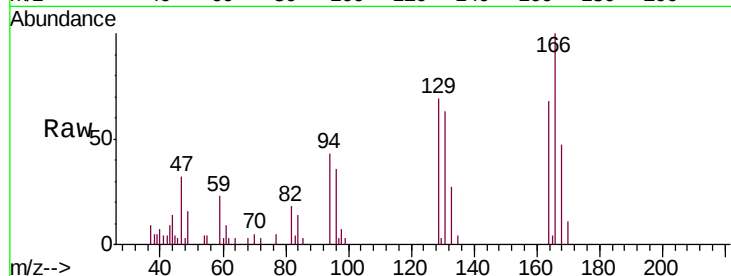
GALD9MSD

Tgt Ion:129 Resp: 4051

Ion Ratio Lower Upper

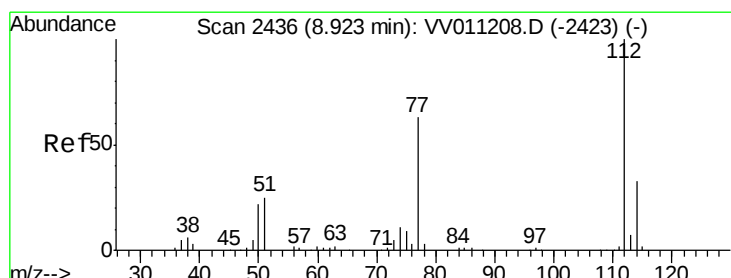
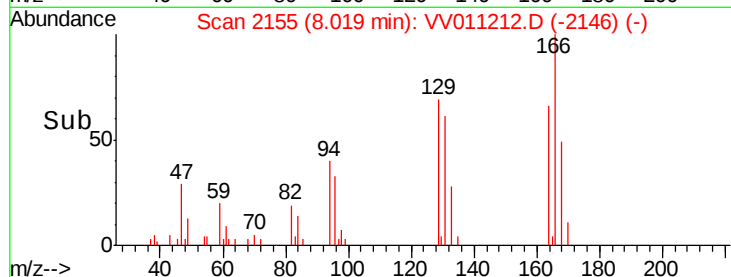
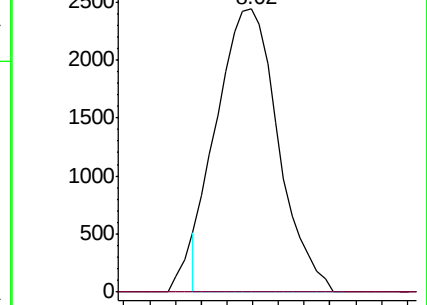
129 100

127 0.0 53.7 99.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 5.128 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011212.D

Acq: 04 Jun 2019 18:22

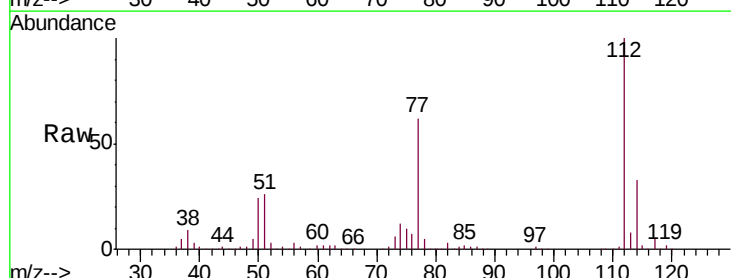
Tgt Ion:112 Resp: 169705

Ion Ratio Lower Upper

112 100

114 33.3 22.6 42.0

77 62.1 50.1 75.1



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

