

Data File : VV012395.D
Acq On : 26 Aug 2019 11:39
Operator : SY/MD
Sample : K4501-01
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANL6

Quant Time: Aug 27 02:22:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 02:19:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	231835	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	231061	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	91876	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62539	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	1.58	69	45251	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	80310	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	3.93	46	122288	39.16	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.32%
24) Chloroform-d	4.40	84	125944	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.08	65	66664	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.10	84	272664	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	85039	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.36	98	226315	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.66	79	27114	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.13	63	70137	34.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	69.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48007	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	79737	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	1470	0.097	ug/L	96
6) Bromomethane	1.54	94	614	0.091	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	730	0.071	ug/L #	14
12) 1,1-Dichloroethene	2.14	96	997	0.107	ug/L #	1
13) Acetone	2.18	43	70592	52.254	ug/L	95
15) Methyl Acetate	2.30	43	35863	10.546	ug/L #	48
21) 2-Butanone	4.03	43	8622	2.717	ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	7474	0.495	ug/L	91
25) Chloroform	4.42	83	14839	0.517	ug/L	96
34) Trichloroethene	5.96	95	17281	1.087	ug/L	97
35) Methylcyclohexane	6.12	83	20322	0.814	ug/L #	16
37) 1,2-Dichloropropane	6.12	63	9239	0.619	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1907	0.095	ug/L #	41
44) trans-1,3-Dichloropropene	7.66	75	1072	0.071	ug/L #	66
45) 1,1,2-Trichloroethane	8.03	97	129855	13.425	ug/L #	1
47) Tetrachloroethene	8.03	164	13949640	1087.222	ug/L	89
48) 2-Hexanone	8.18	43	11889	2.060	ug/L #	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082619\
Quantitation Report (Not Reviewed)

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QLast Update : Tue Aug 27 02:19:39 2019
Response via : Initial Calibration

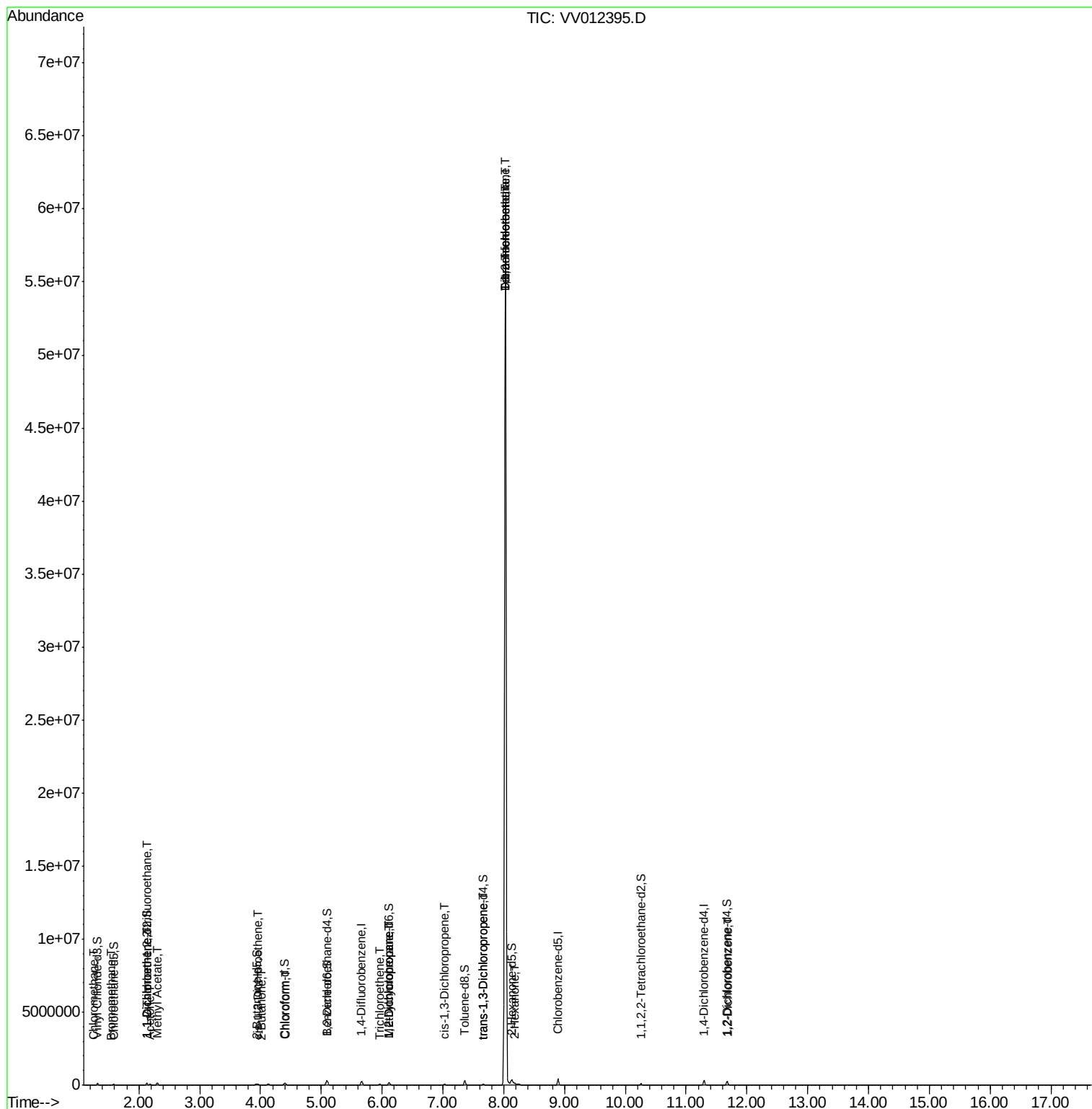
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.03	129	12757474	1100.642	ug/L #	11
65) 1,2-Dichlorobenzene	11.69	146	2543	0.111	ug/L #	90

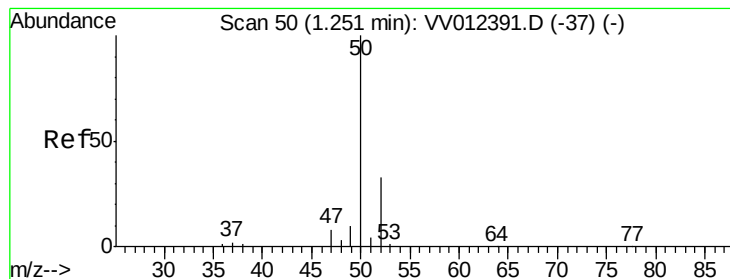
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.097 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

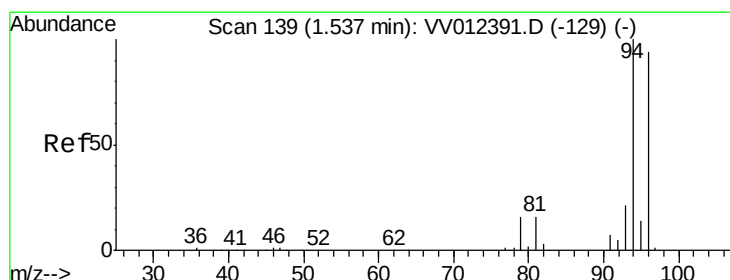
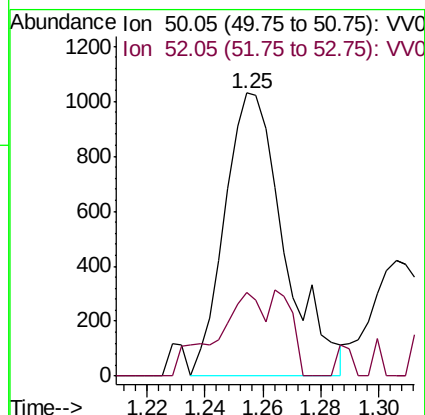
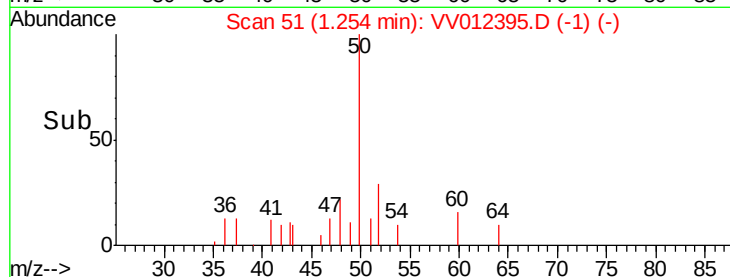
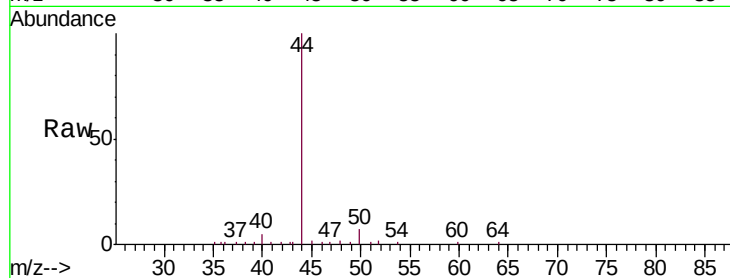
GANL6

Tgt Ion: 50 Resp: 1470

Ion Ratio Lower Upper

50 100

52 29.4 22.2 41.2



#6

Bromomethane

Concen: 0.091 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012395.D

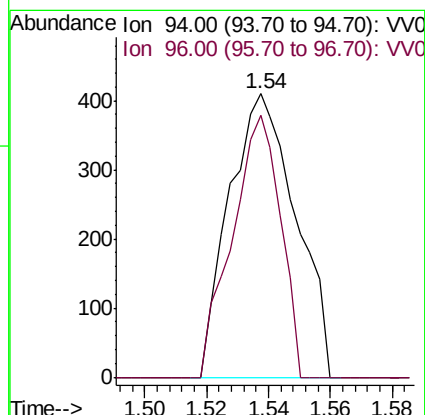
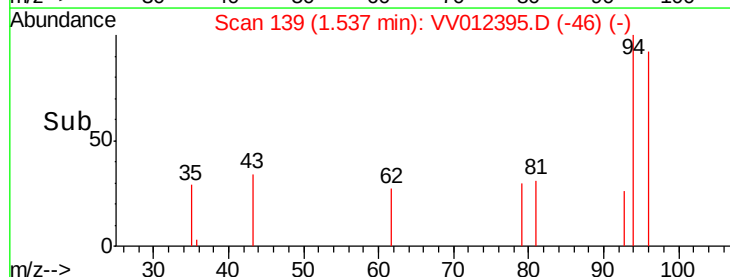
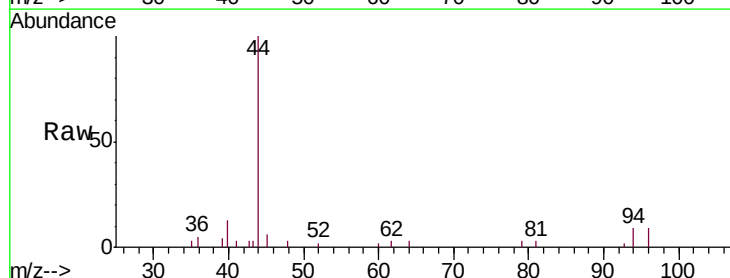
Acq: 26 Aug 2019 11:39

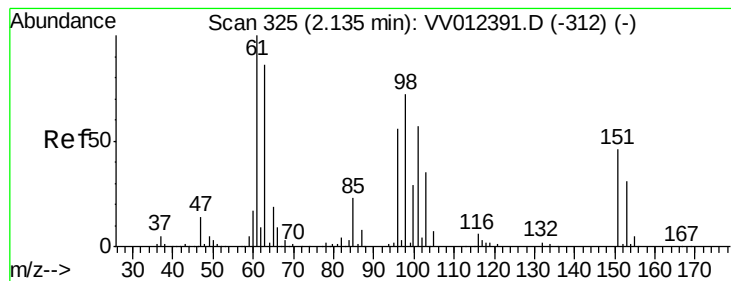
Tgt Ion: 94 Resp: 614

Ion Ratio Lower Upper

94 100

96 92.4 69.2 128.6





#10

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

Concen: 0.071 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

GANL6

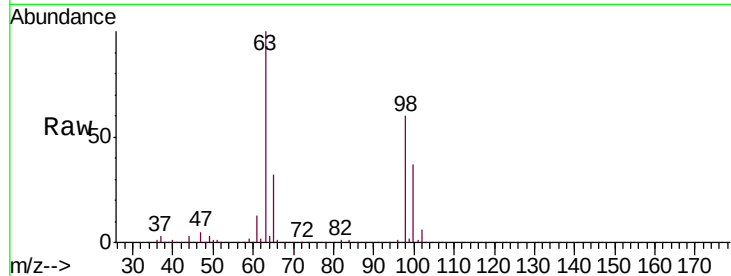
Tgt Ion: 101 Resp: 730

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

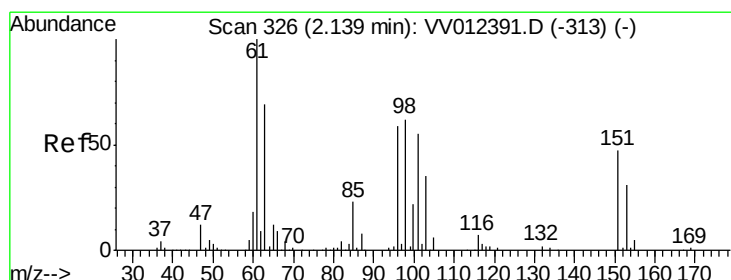
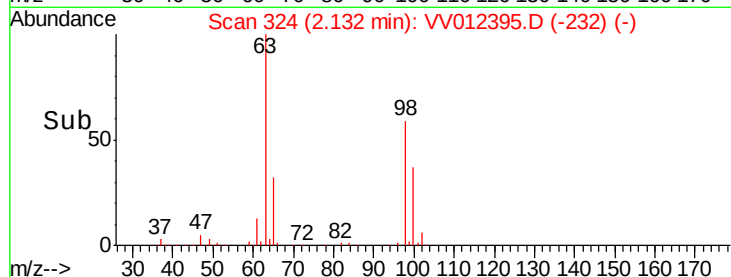
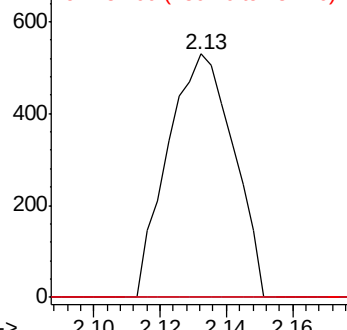
151 0.0 71.2 106.8#



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: 0.107 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

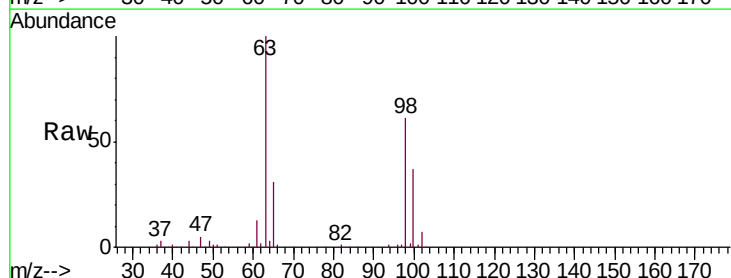
Tgt Ion: 96 Resp: 997

Ion Ratio Lower Upper

96 100

61 1063.1 122.3 227.1#

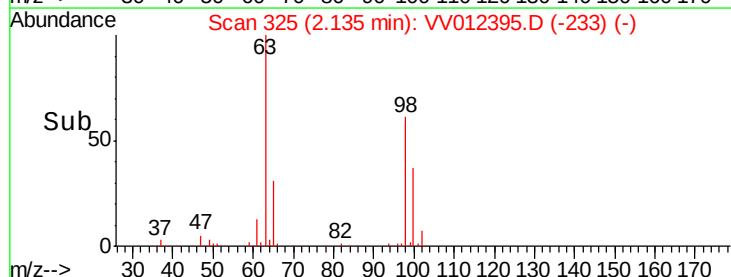
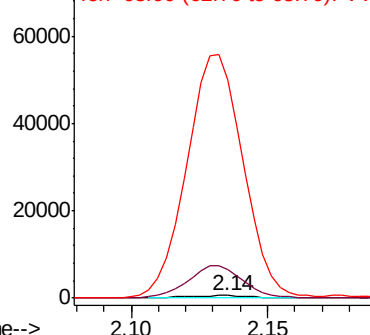
63 8138.3 90.6 168.2#

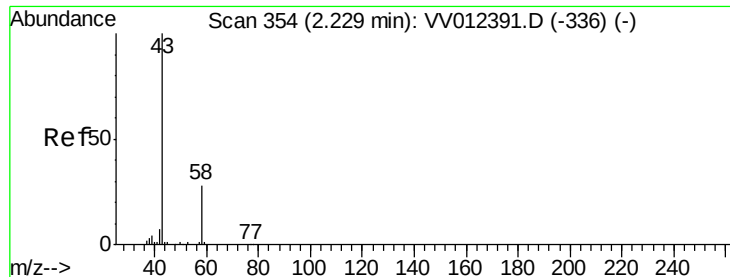


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.254 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.05 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampled :

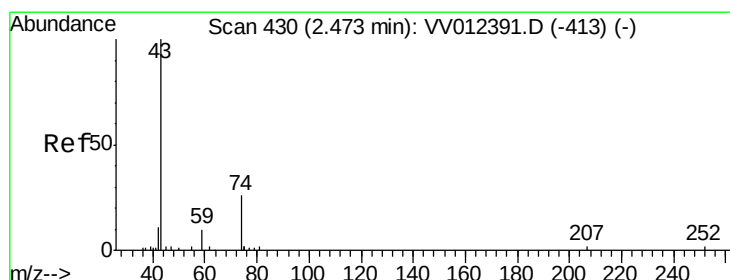
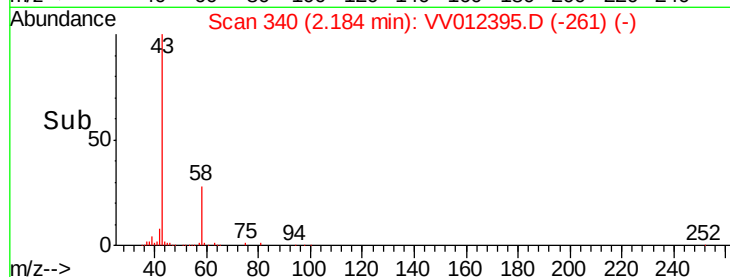
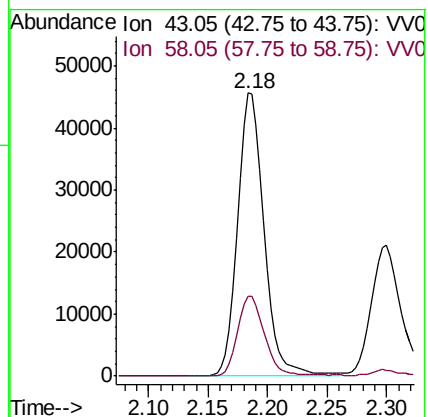
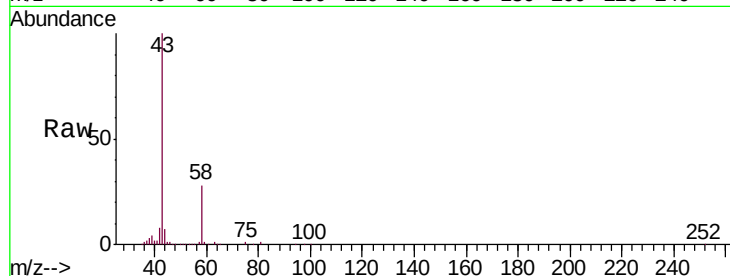
GANL6

Tgt Ion: 43 Resp: 70592

Ion Ratio Lower Upper

43 100

58 28.8 0.0 62.8



#15

Methyl Acetate

Concen: 10.546 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.17 min

Lab File: VV012395.D

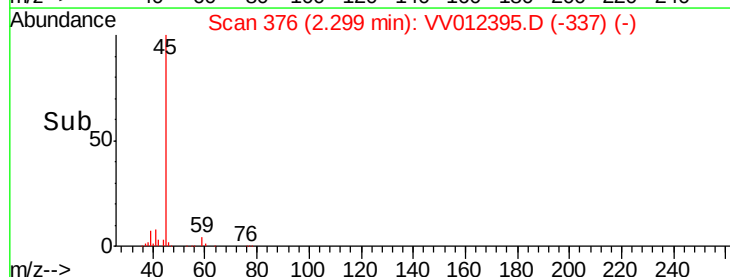
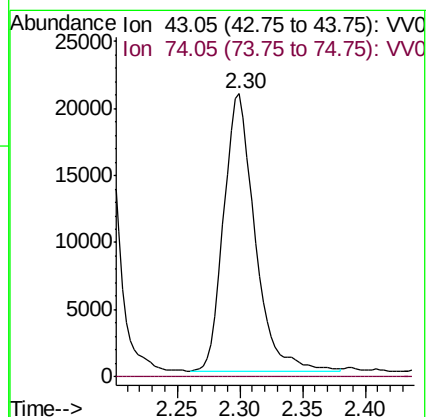
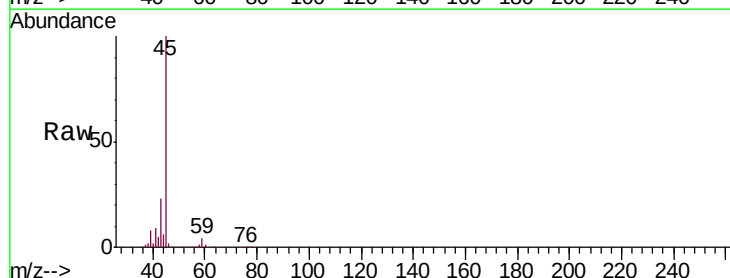
Acq: 26 Aug 2019 11:39

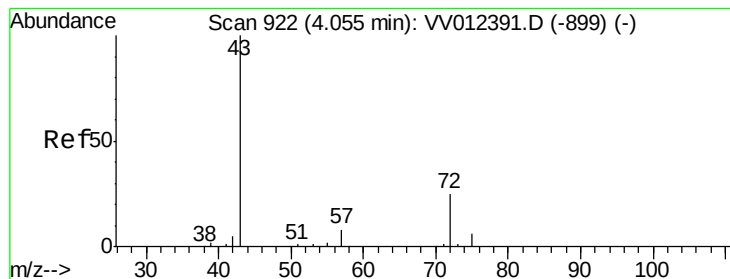
Tgt Ion: 43 Resp: 35863

Ion Ratio Lower Upper

43 100

74 0.3 21.8 32.6#





#21

2-Butanone

Concen: 2.717 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.02 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

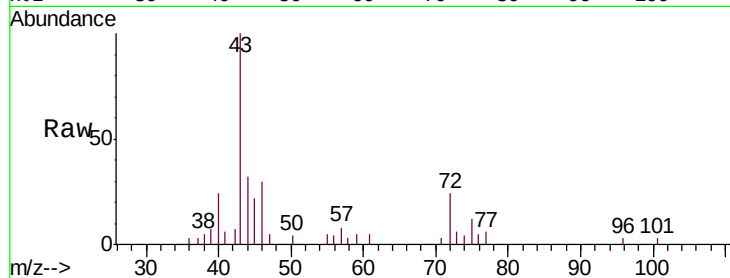
GANL6

Tgt Ion: 43 Resp: 8622

Ion Ratio Lower Upper

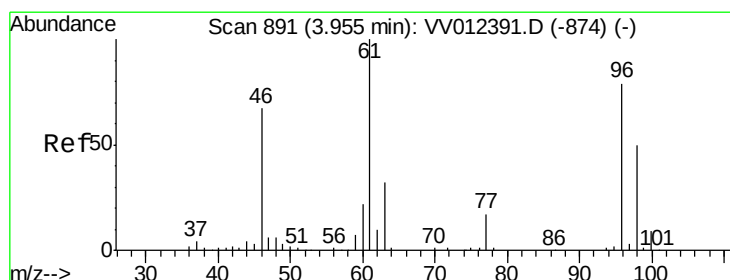
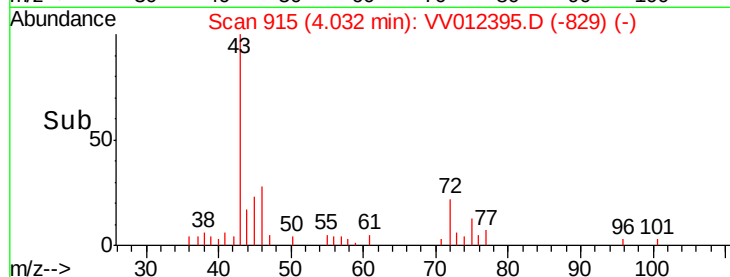
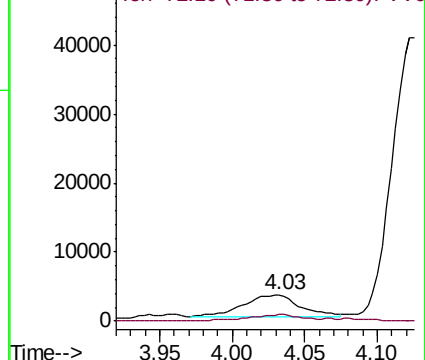
43 100

72 17.9 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: 0.495 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

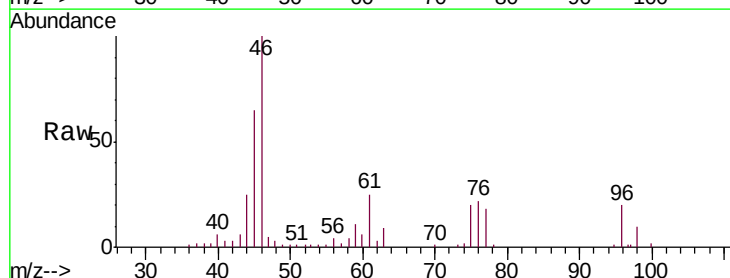
Tgt Ion: 96 Resp: 7474

Ion Ratio Lower Upper

96 100

61 117.2 89.4 166.0

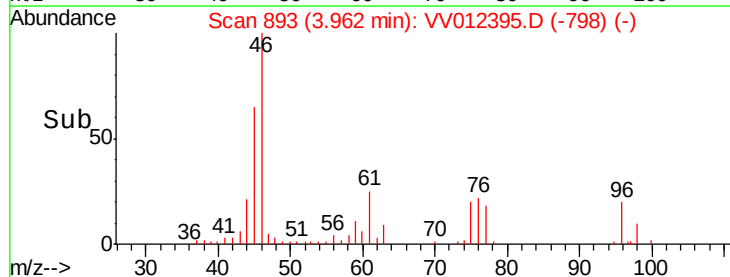
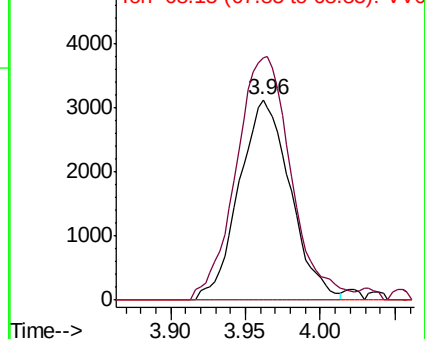
68 0.0 0.0 0.0

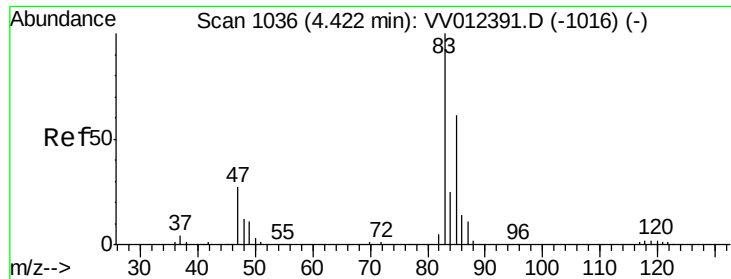


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

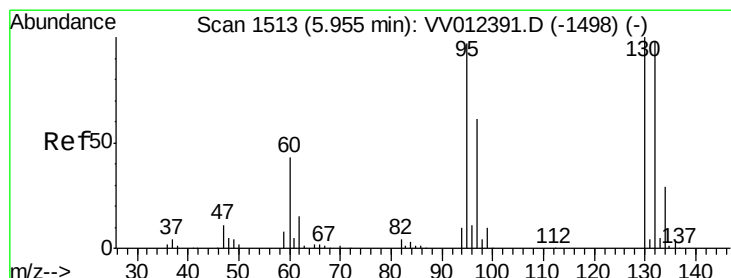
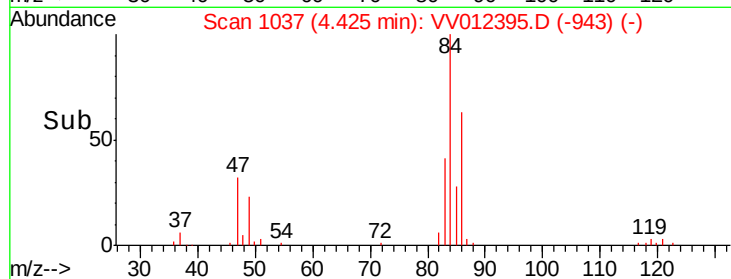
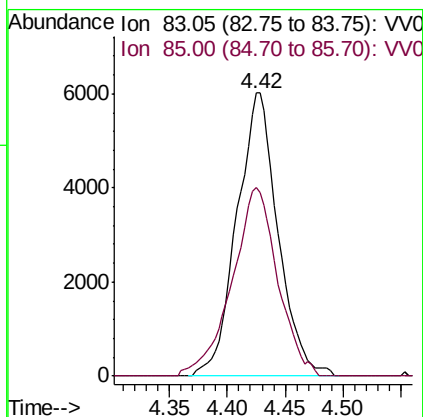
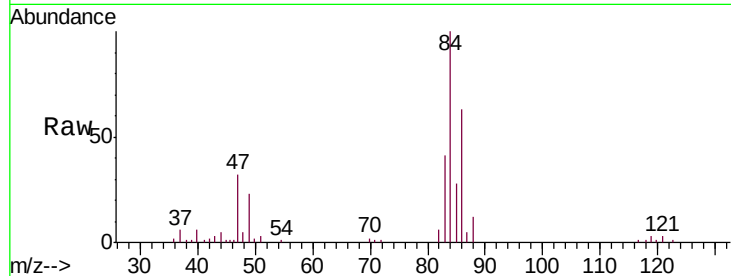




#25
Chloroform
Concen: 0.517 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012395.D
Acq: 26 Aug 2019 11:39

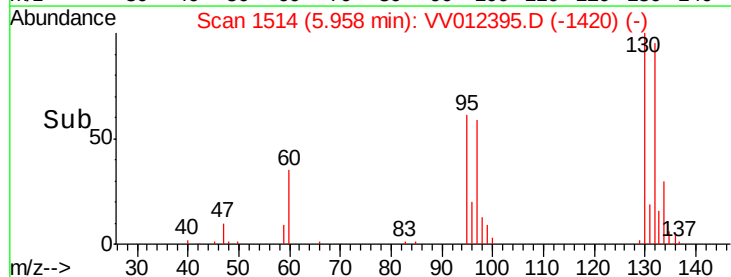
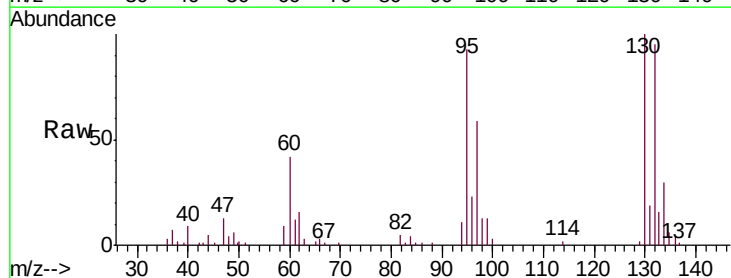
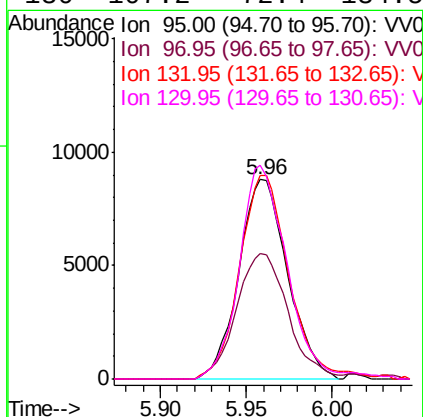
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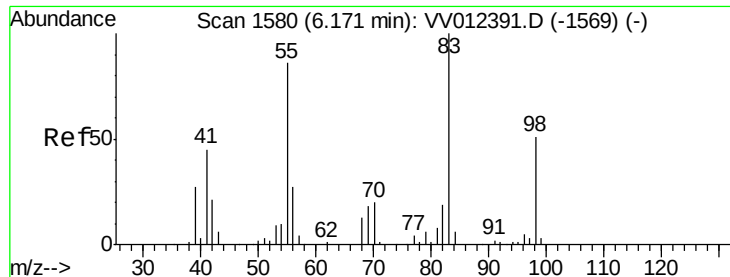
Tgt Ion: 83 Resp: 14839
Ion Ratio Lower Upper
83 100
85 66.8 44.6 82.8



#34
Trichloroethene
Concen: 1.087 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012395.D
Acq: 26 Aug 2019 11:39

Tgt Ion: 95 Resp: 17281
Ion Ratio Lower Upper
95 100
97 63.1 46.3 86.1
132 102.2 70.3 130.7
130 107.2 72.4 134.5





#35

Methylcyclohexane

Concen: 0.814 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

GANL6

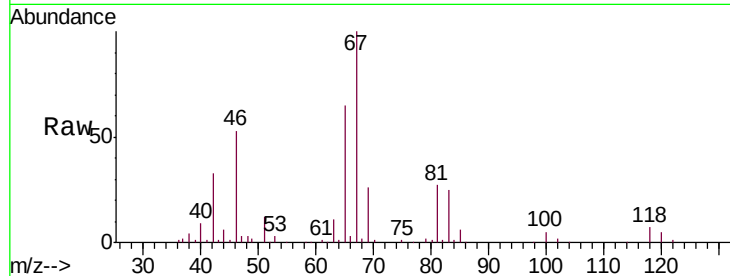
Tgt Ion: 83 Resp: 20322

Ion Ratio Lower Upper

83 100

55 0.3 64.6 97.0#

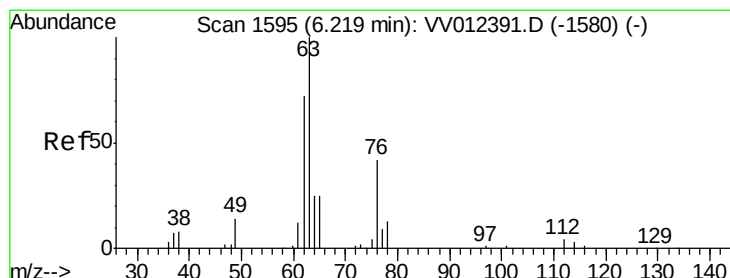
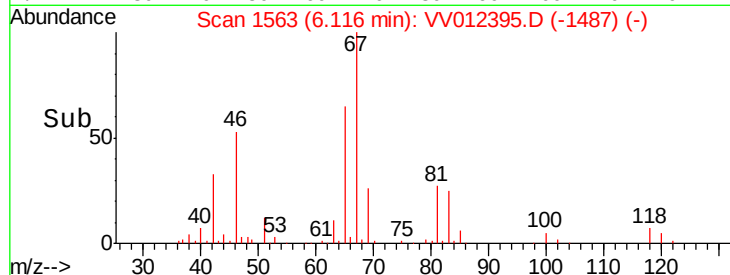
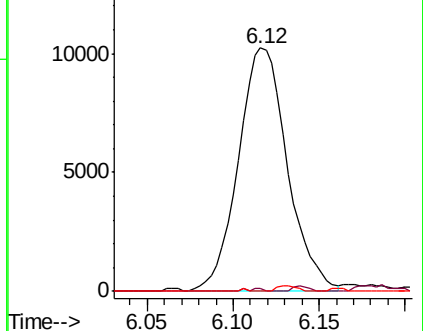
98 0.0 39.0 58.4#



Abundance Ion 83.15 (82.85 to 83.85): VV012395.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012395.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012395.D (-1569) (-)



#37

1,2-Dichloropropane

Concen: 0.619 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012395.D

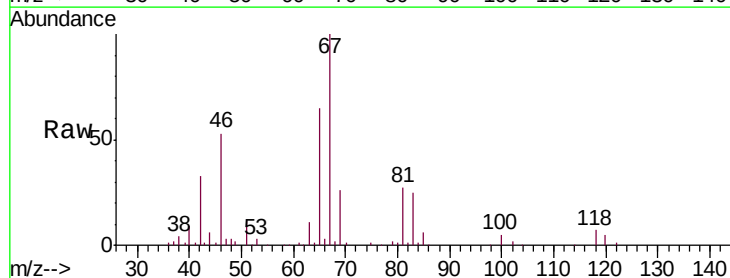
Acq: 26 Aug 2019 11:39

Tgt Ion: 63 Resp: 9239

Ion Ratio Lower Upper

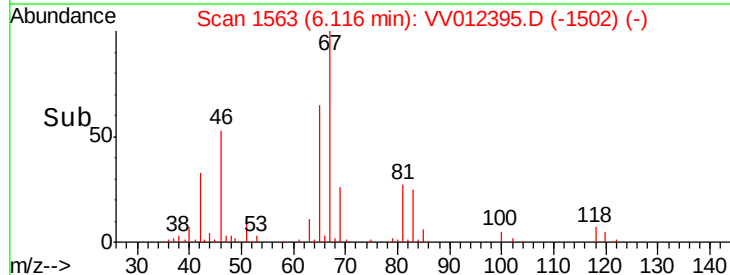
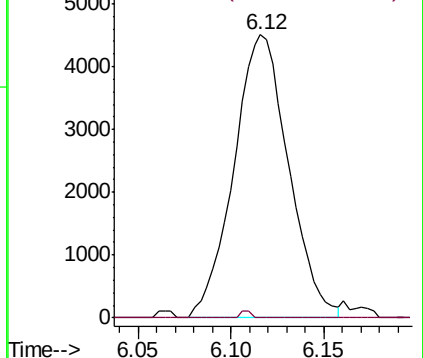
63 100

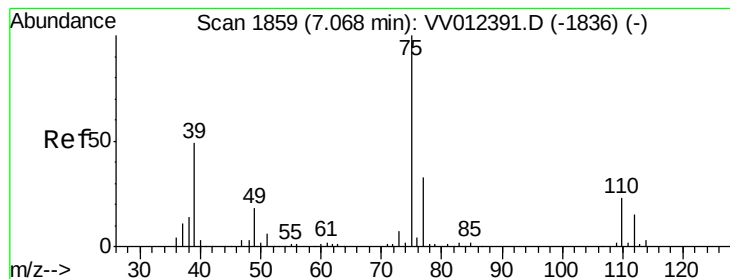
112 0.4 4.2 6.2#



Abundance Ion 63.10 (62.80 to 63.80): VV012395.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV012395.D (-1502) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV012395.D

Acq: 26 Aug 2019 11:39

Instrument :

MSVOA_V

ClientSampleId :

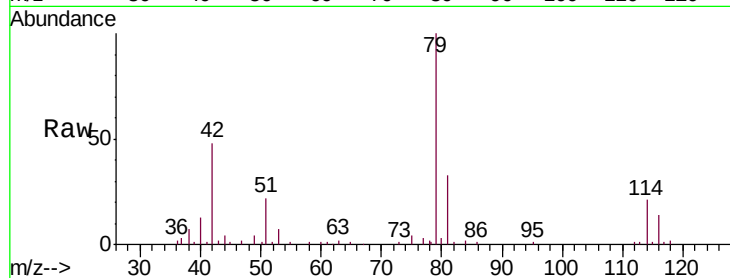
GANL6

Tgt Ion: 75 Resp: 1907

Ion Ratio Lower Upper

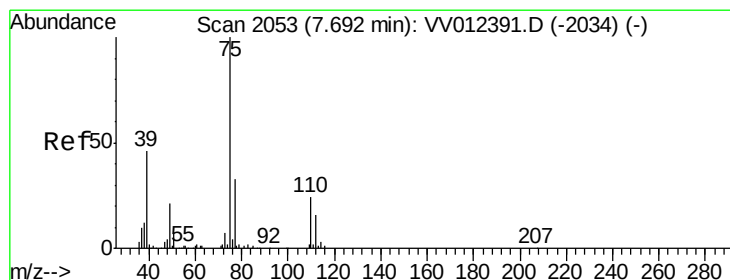
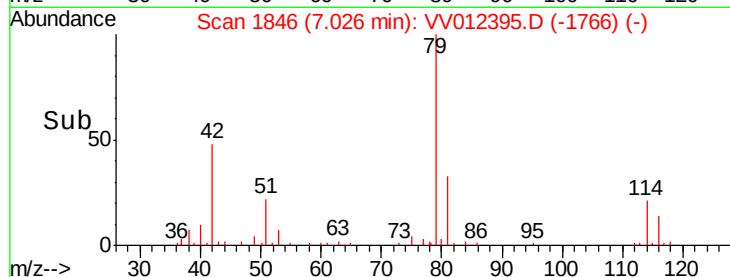
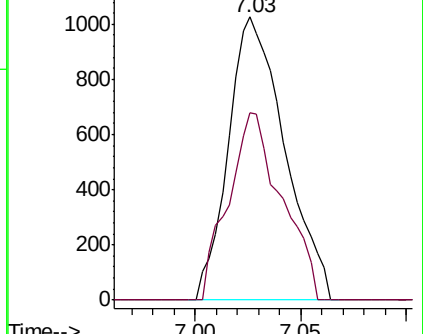
75 100

77 66.4 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: 0.071 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012395.D

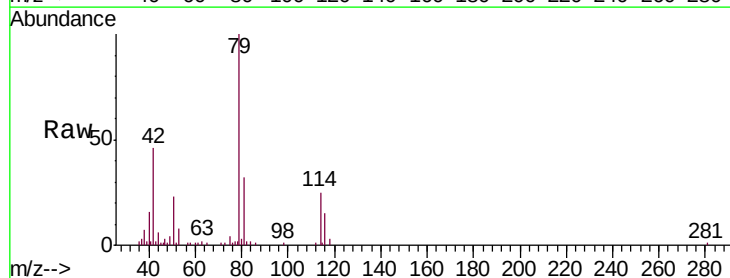
Acq: 26 Aug 2019 11:39

Tgt Ion: 75 Resp: 1072

Ion Ratio Lower Upper

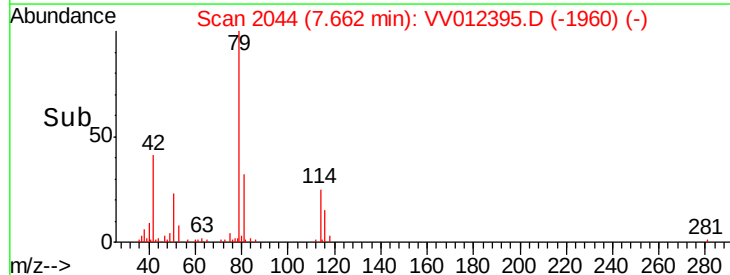
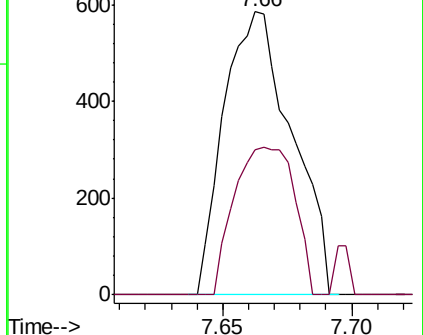
75 100

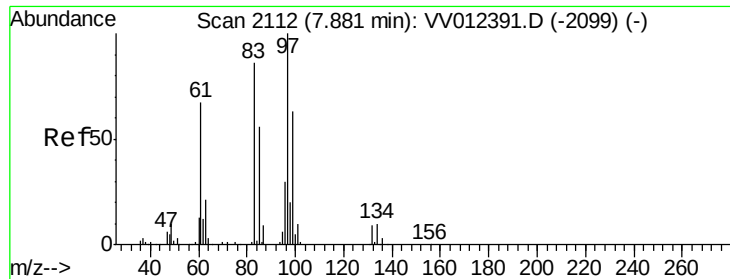
77 51.5 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

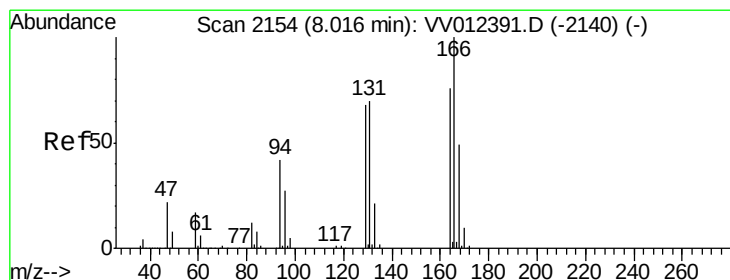
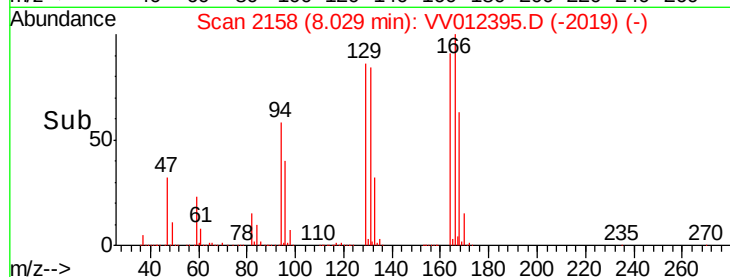
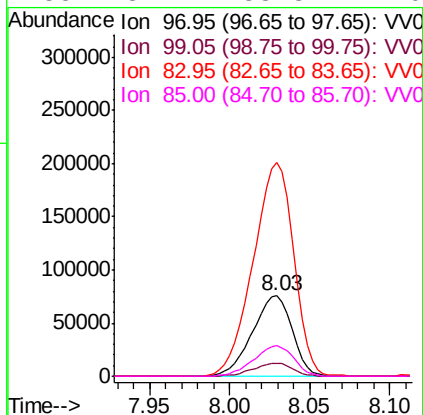
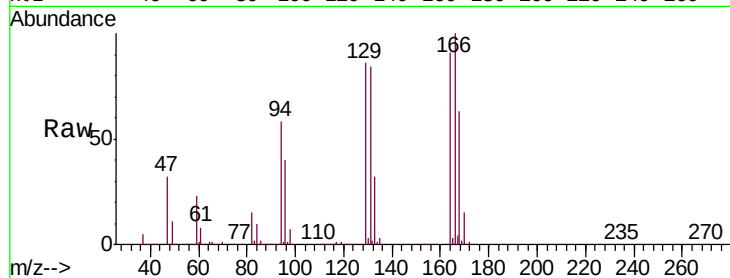




#45
 1,1,2-Trichloroethane
 Concen: 13.425 ug/L
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.15 min
 Lab File: VV012395.D
 Acq: 26 Aug 2019 11:39

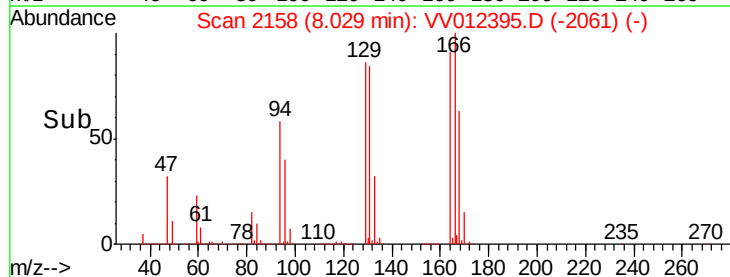
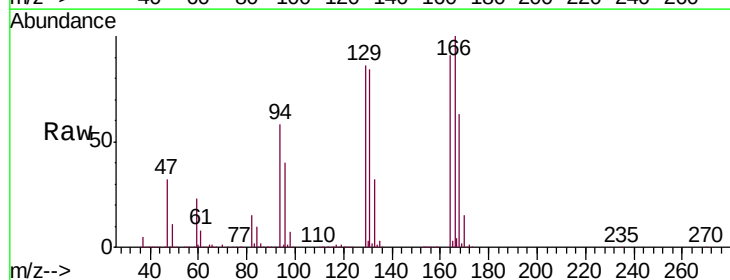
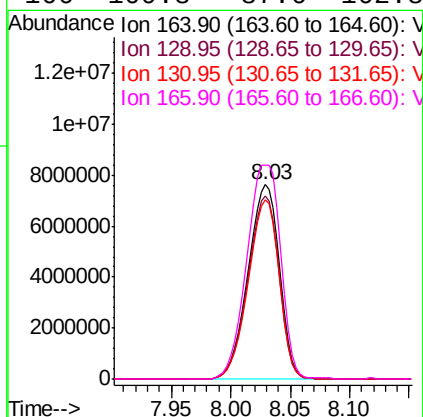
Instrument :
 MSVOA_V
 ClientSampleId :
 GANL6

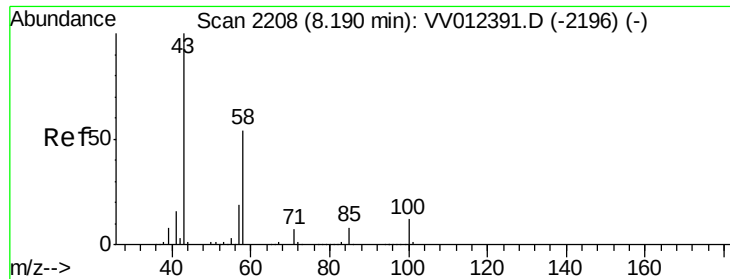
Tgt Ion: 97 Resp: 129855
 Ion Ratio Lower Upper
 97 100
 99 16.2 45.0 83.6#
 83 266.1 59.3 110.1#
 85 37.7 38.8 72.0#



#47
 Tetrachloroethene
 Concen: 1087.222 ug/L
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: VV012395.D
 Acq: 26 Aug 2019 11:39

Tgt Ion: 164 Resp: 13949640
 Ion Ratio Lower Upper
 164 100
 129 94.3 60.6 112.6
 131 92.5 58.8 109.2
 166 109.8 87.6 162.8

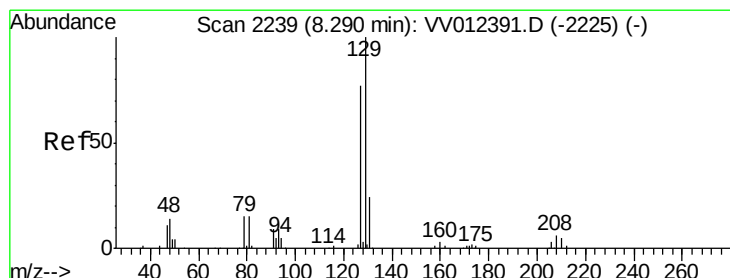
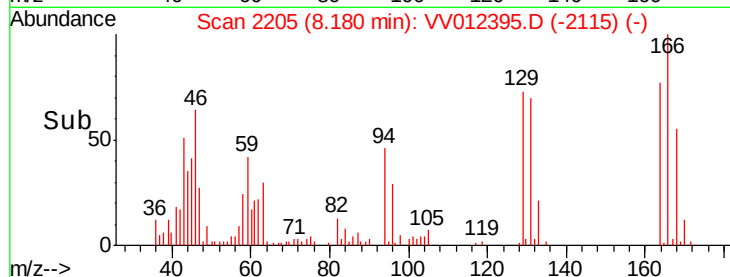
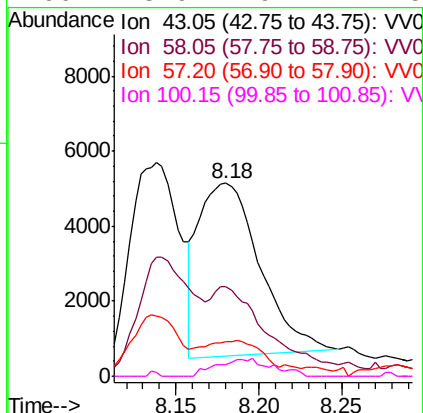
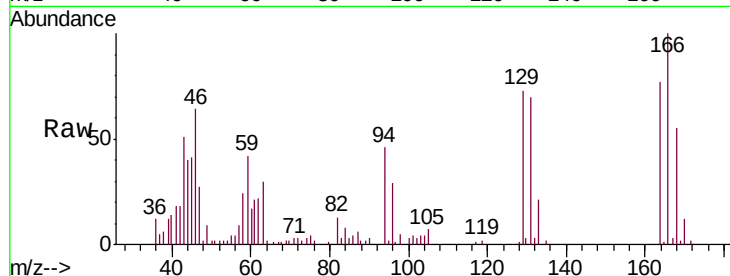




#48
2-Hexanone
Concen: 2.060 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012395.D
Acq: 26 Aug 2019 11:39

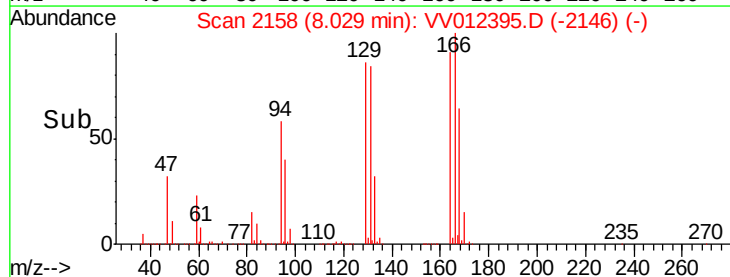
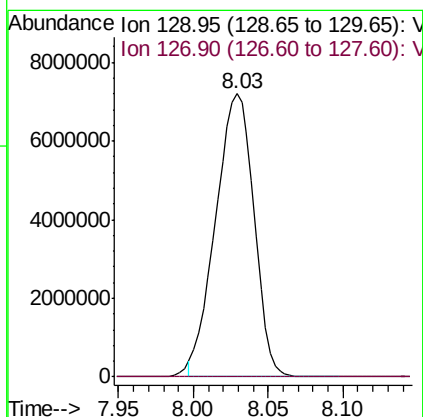
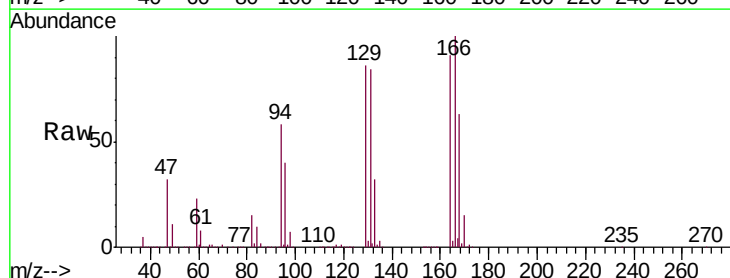
Instrument :
MSVOA_V
ClientSampleId :
GANL6

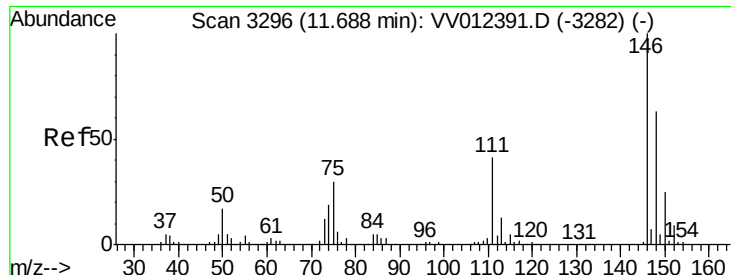
Tgt Ion: 43 Resp: 11889
Ion Ratio Lower Upper
43 100
58 40.4 46.3 69.5#
57 12.2 14.9 22.3#
100 8.9 9.7 14.5#



#49
Dibromochloromethane
Concen: 1100.642 ug/L
RT: 8.03 min Scan# 2158
Delta R.T. -0.26 min
Lab File: VV012395.D
Acq: 26 Aug 2019 11:39

Tgt Ion: 129 Resp: 12757474
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#





#65
 1,2-Dichlorobenzene
 Concen: 0.111 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012395.D
 Acq: 26 Aug 2019 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 GANL6

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.9	31.9	47.9#
148	66.4	50.2	75.4

