

Data File : VV012399.D
Acq On : 26 Aug 2019 13:33
Operator : SY/MD
Sample : K4500-07
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANK1

Quant Time: Aug 27 02:23:49 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	216647	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	218905	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83021	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55384	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.58	69	40579	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.13	63	73429	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	3.94	46	101123	34.65	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.30%
24) Chloroform-d	4.40	84	108783	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.08	65	60878	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	254952	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.12	67	78294	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.36	98	207252	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.66	79	24677	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.13	63	65001	34.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42119	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	68428	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	785	0.082 ug/L #	14
12) 1,1-Dichloroethene	2.14	96	1605	0.185 ug/L #	1
13) Acetone	2.19	43	71747	56.832 ug/L	94
15) Methyl Acetate	2.30	43	3262	1.026 ug/L #	58
18) trans-1,2-Dichloroethene	2.79	96	9559	0.740 ug/L	90
21) 2-Butanone	4.03	43	15980	5.389 ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	95662	6.786 ug/L	95
25) Chloroform	4.42	83	16972	0.633 ug/L	96
33) Benzene	5.14	78	4973	0.089 ug/L	100
34) Trichloroethene	5.96	95	53754	3.568 ug/L	99
35) Methylcyclohexane	6.12	83	18366	0.776 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	8637	0.611 ug/L #	85
44) trans-1,3-Dichloropropene	7.67	75	1226	0.085 ug/L #	78
45) 1,1,2-Trichloroethane	8.02	97	2150	0.235 ug/L #	10
47) Tetrachloroethene	8.02	164	232907	19.161 ug/L	97
48) 2-Hexanone	8.18	43	16834	3.079 ug/L #	57
49) Dibromochloromethane	8.02	129	197515	17.987 ug/L #	11

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

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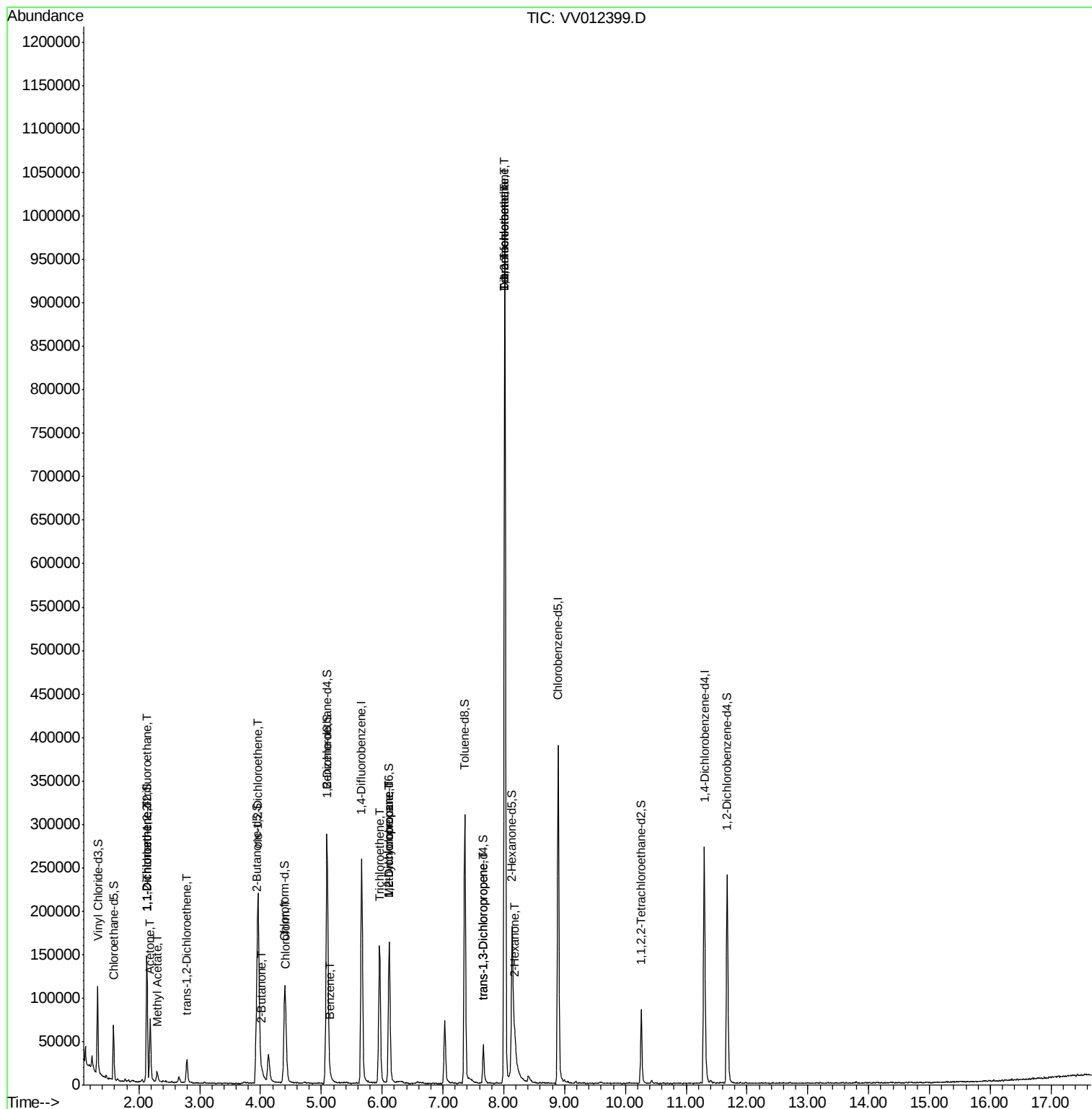
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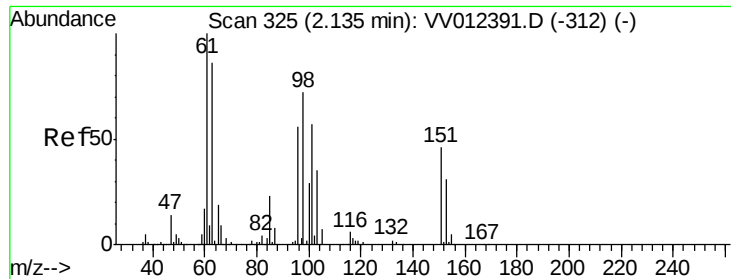
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#10

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

Concen: 0.082 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Instrument :

MSVOA_V

ClientSampleId :

GANK1

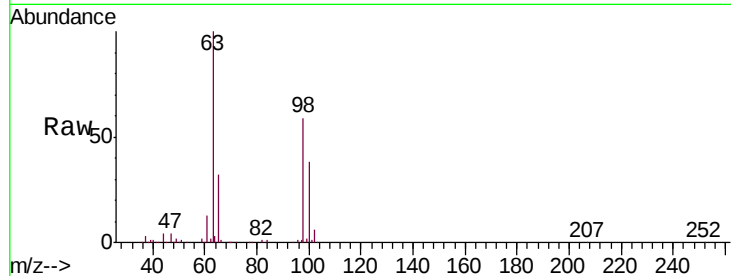
Tgt Ion: 101 Resp: 785

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

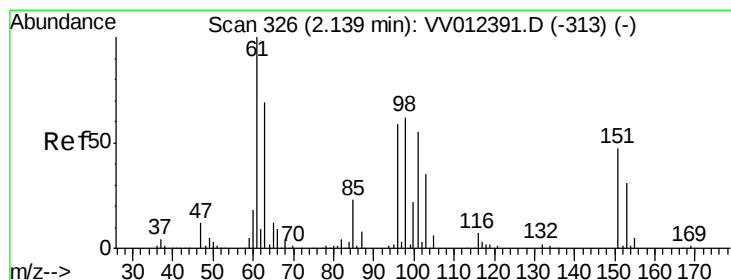
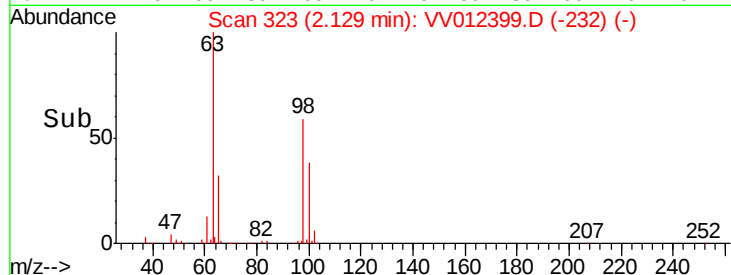
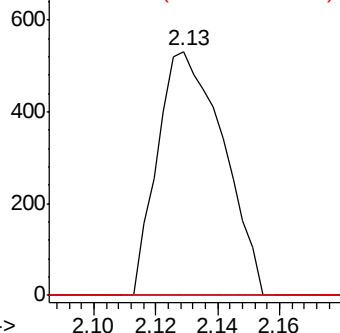
151 0.0 71.2 106.8#



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: 0.185 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

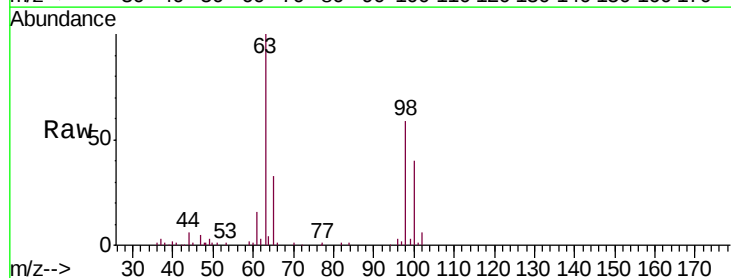
Tgt Ion: 96 Resp: 1605

Ion Ratio Lower Upper

96 100

61 469.4 122.3 227.1#

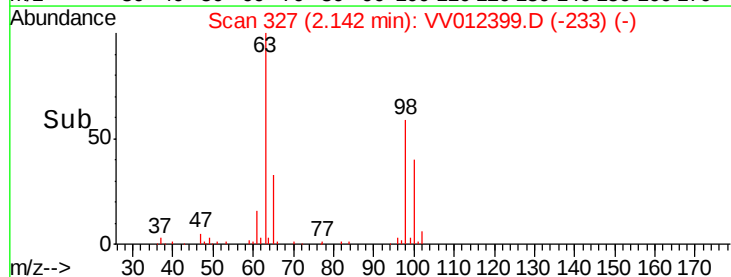
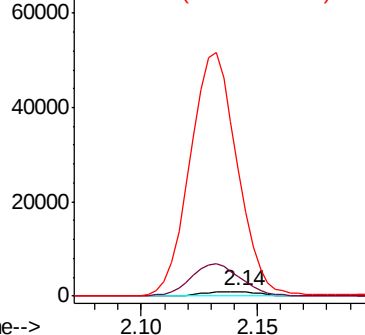
63 2943.3 90.6 168.2#

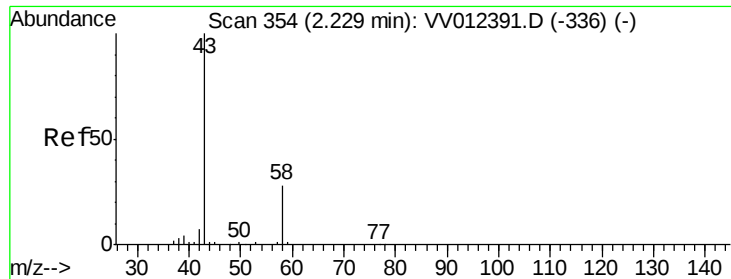


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.832 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Instrument :

MSVOA_V

ClientSampleId :

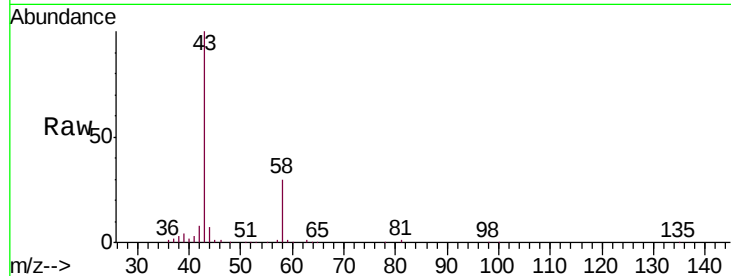
GANK1

Tgt Ion: 43 Resp: 71747

Ion Ratio Lower Upper

43 100

58 28.1 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

50000

40000

30000

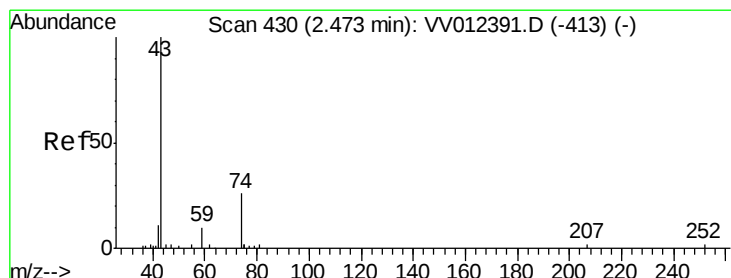
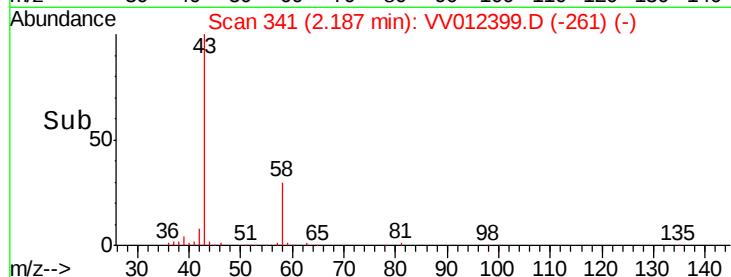
20000

10000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#15

Methyl Acetate

Concen: 1.026 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.17 min

Lab File: VV012399.D

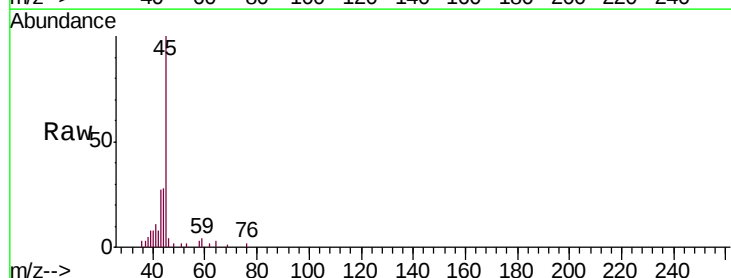
Acq: 26 Aug 2019 13:33

Tgt Ion: 43 Resp: 3262

Ion Ratio Lower Upper

43 100

74 5.2 21.8 32.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.30

2000

1500

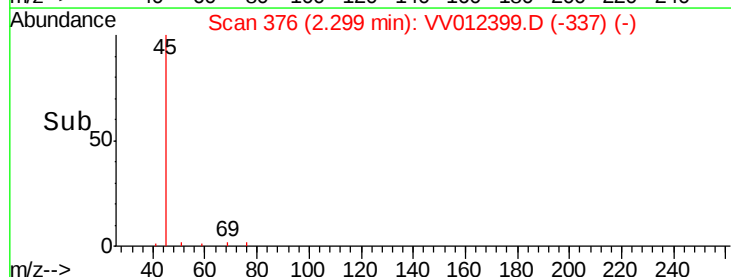
1000

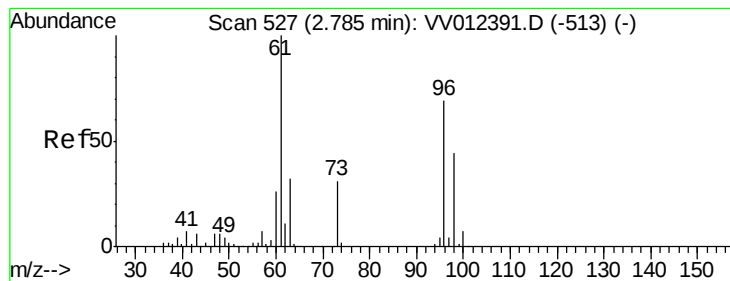
500

0

Time-->

2.25 2.30 2.35





#18

trans-1,2-Dichloroethene

Concen: 0.740 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Instrument :

MSVOA_V

ClientSampled :

GANK1

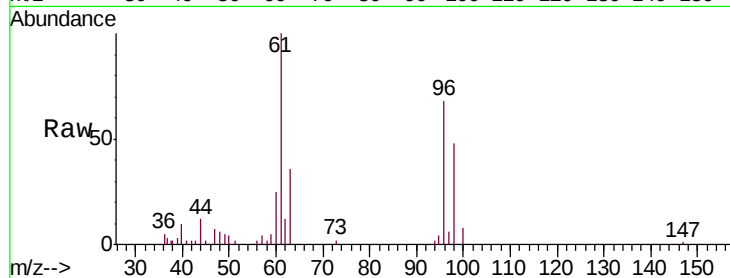
Tgt Ion: 96 Resp: 9559

Ion Ratio Lower Upper

96 100

61 146.9 96.0 178.4

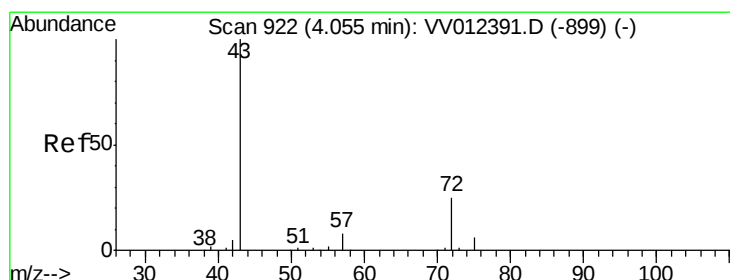
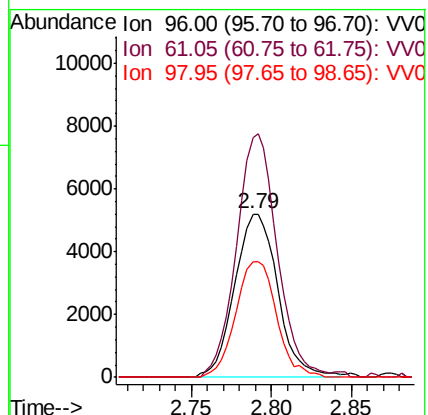
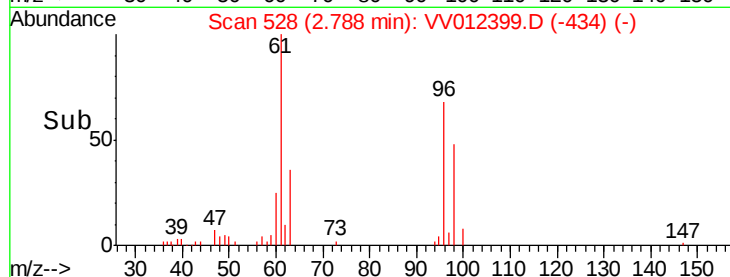
98 70.6 42.1 78.3



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: 5.389 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.03 min

Lab File: VV012399.D

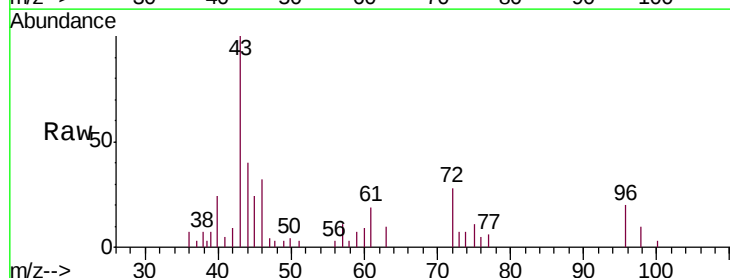
Acq: 26 Aug 2019 13:33

Tgt Ion: 43 Resp: 15980

Ion Ratio Lower Upper

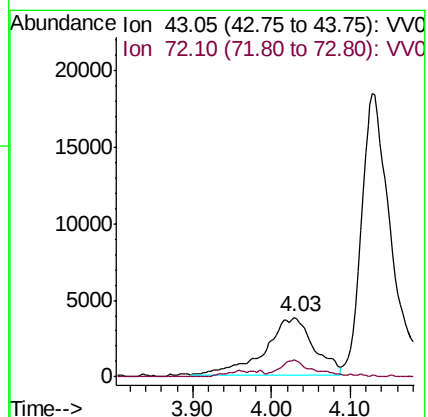
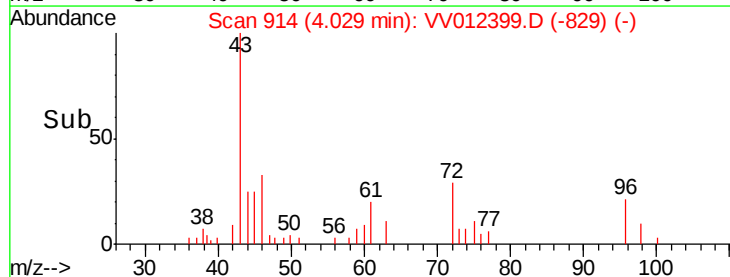
43 100

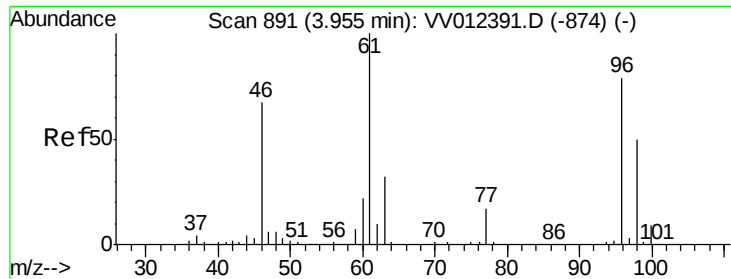
72 16.3 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



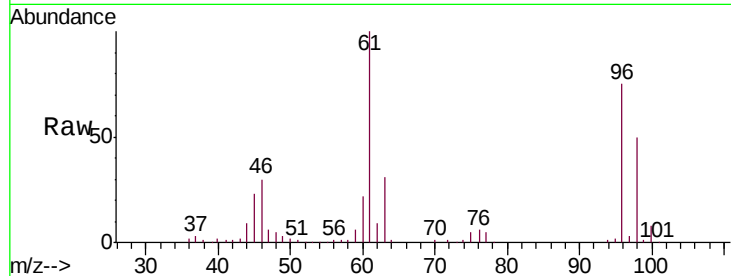


#22

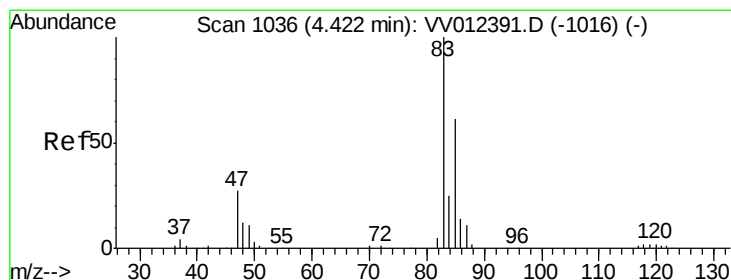
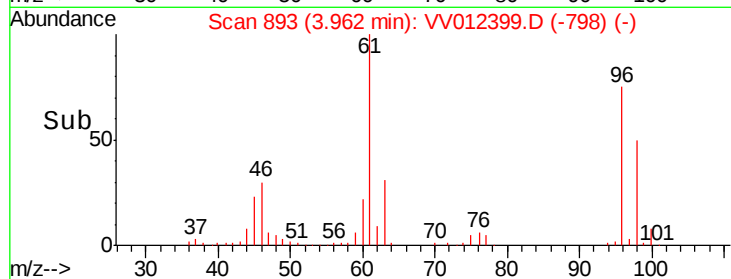
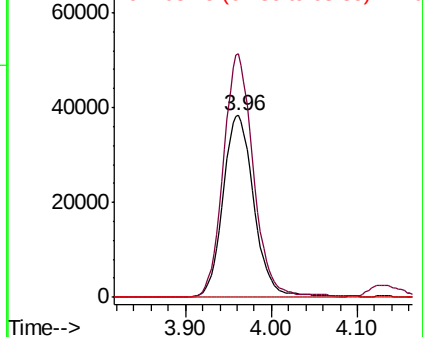
cis-1,2-Dichloroethene
 Concen: 6.786 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV012399.D
 Acq: 26 Aug 2019 13:33

Instrument :
 MSVOA_V
 ClientSampleId :
 GANK1

Tgt Ion: 96 Resp: 95662
 Ion Ratio Lower Upper
 96 100
 61 133.8 89.4 166.0
 68 0.0 0.0 0.0



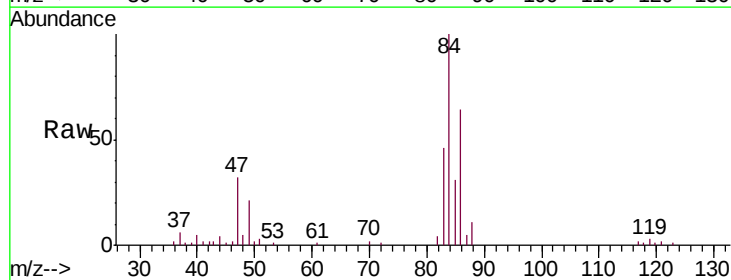
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



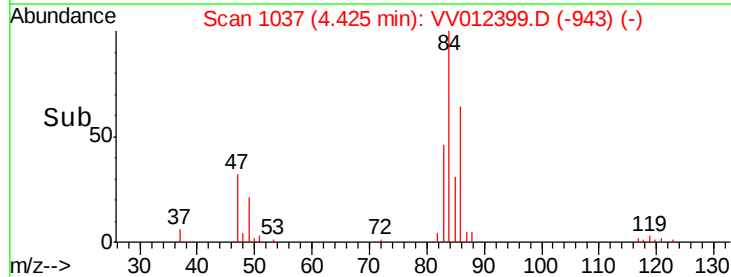
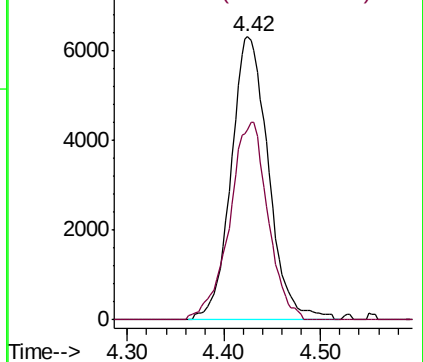
#25

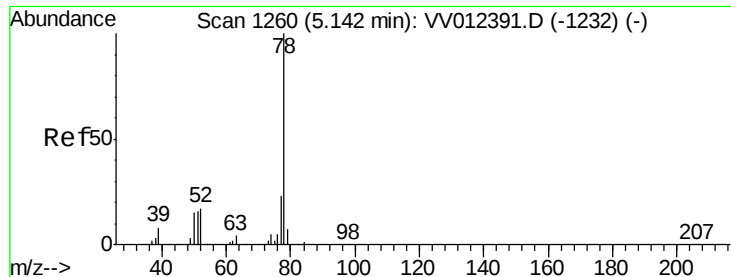
Chloroform
 Concen: 0.633 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012399.D
 Acq: 26 Aug 2019 13:33

Tgt Ion: 83 Resp: 16972
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.089 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

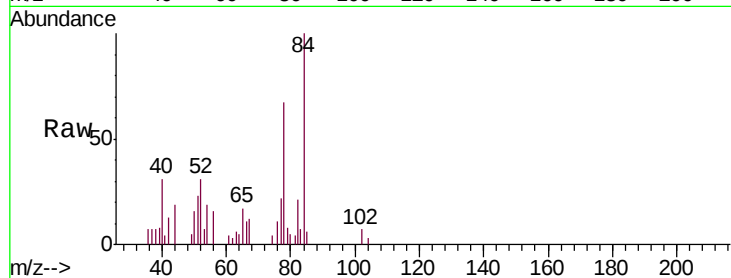
Instrument :

MSVOA_V

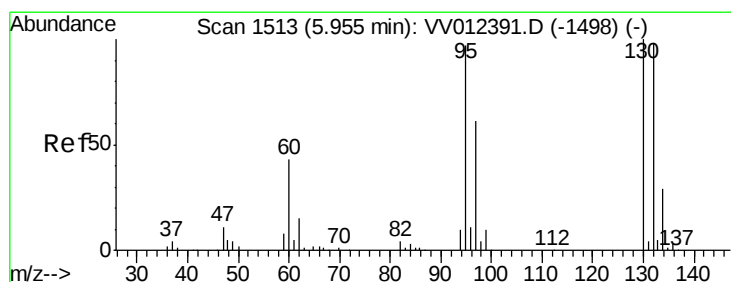
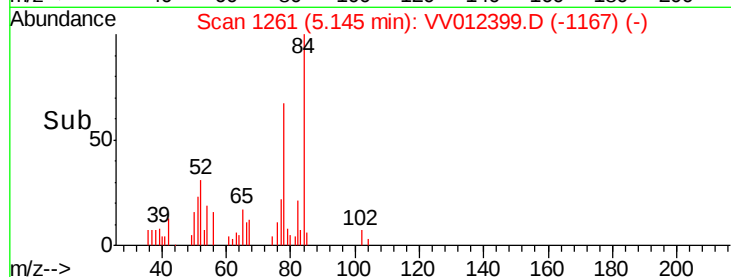
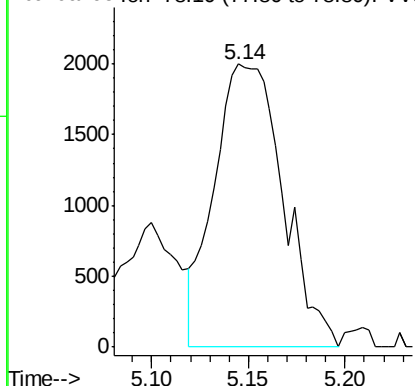
ClientSampleId :

GANK1

Tgt Ion: 78 Resp: 4973



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 3.568 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Tgt Ion: 95 Resp: 53754

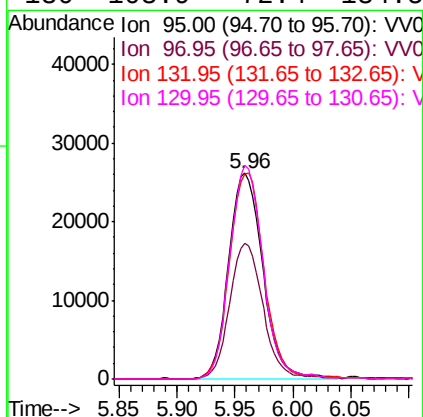
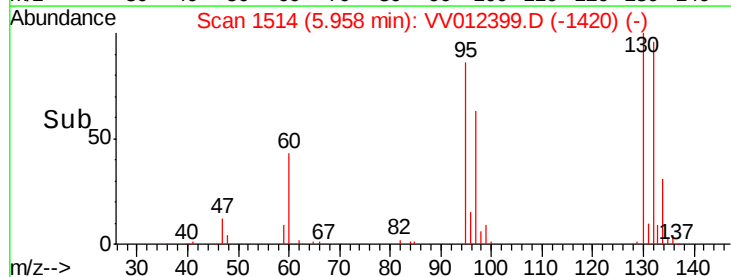
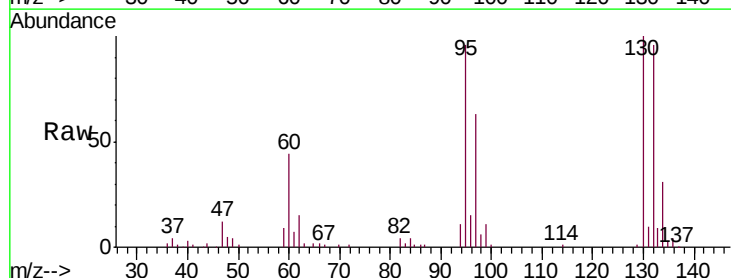
Ion	Ratio	Lower	Upper
95	100		
97	65.9	46.3	86.1
132	99.6	70.3	130.7
130	103.9	72.4	134.5

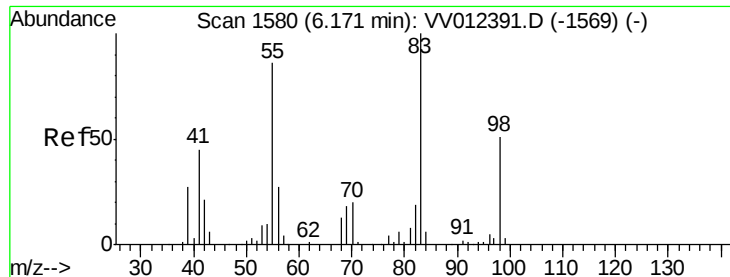
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#35

Methylcyclohexane

Concen: 0.776 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Instrument :
MSVOA_V
ClientSampled :
GANK1

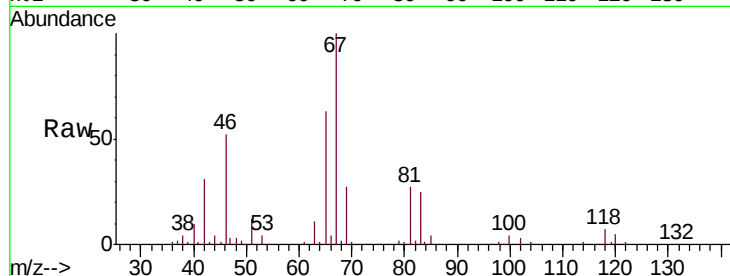
Tgt Ion: 83 Resp: 18366

Ion Ratio Lower Upper

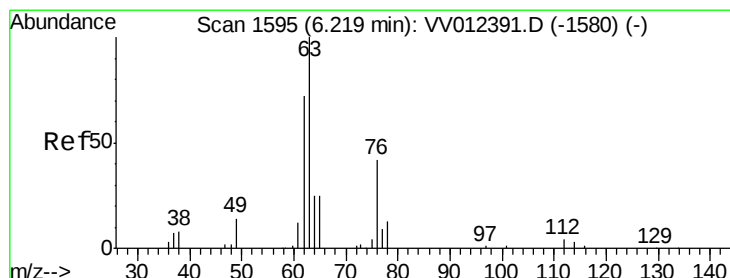
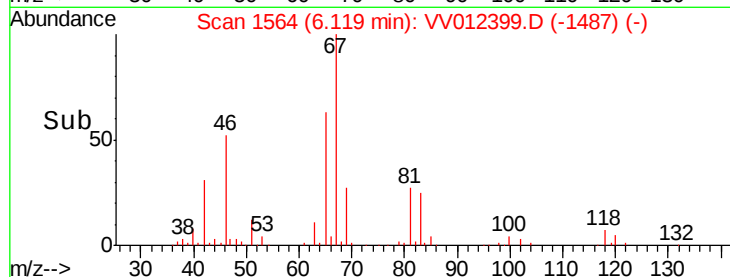
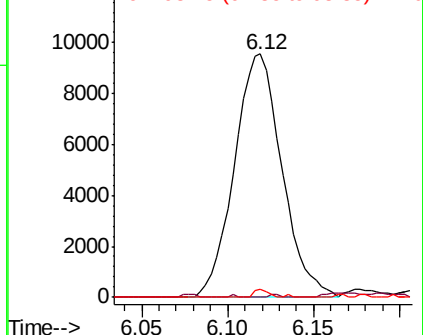
83 100

55 0.2 64.6 97.0#

98 1.0 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: 0.611 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV012399.D

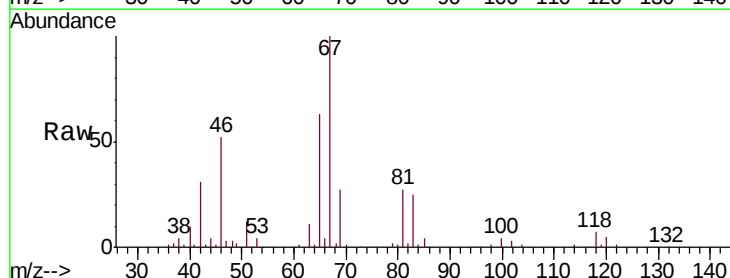
Acq: 26 Aug 2019 13:33

Tgt Ion: 63 Resp: 8637

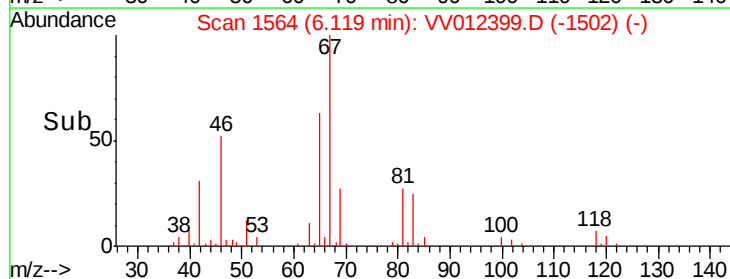
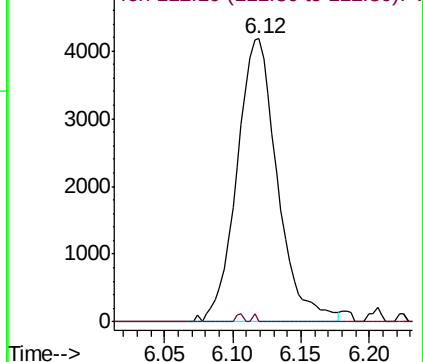
Ion Ratio Lower Upper

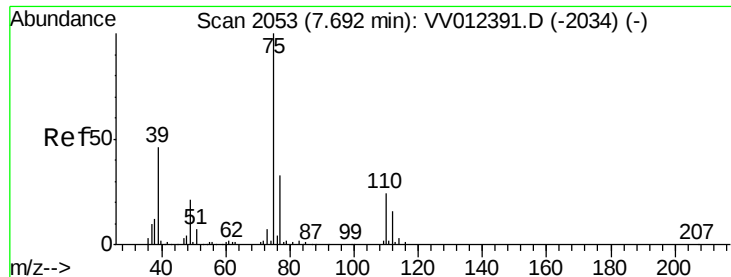
63 100

112 0.3 4.2 6.2#



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





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Instrument :

MSVOA_V

ClientSampleId :

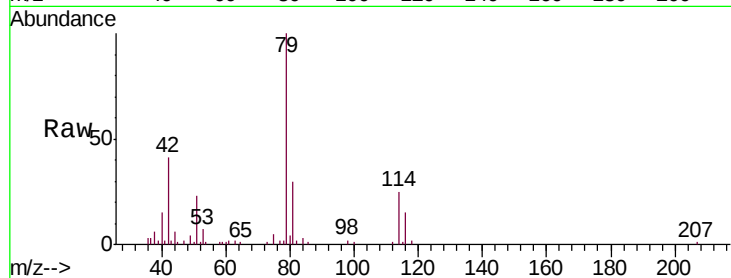
GANK1

Tgt Ion: 75 Resp: 1226

Ion Ratio Lower Upper

75 100

77 44.5 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

600

400

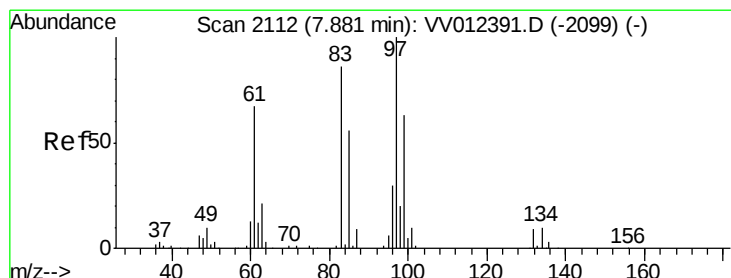
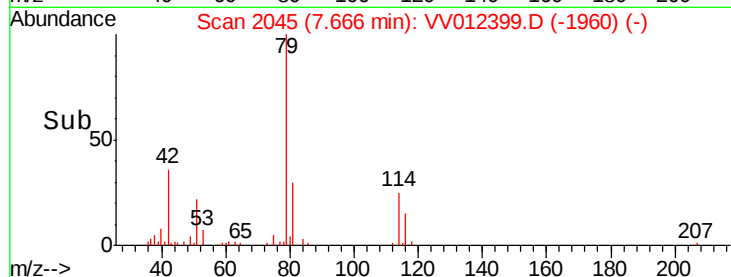
200

0

Time--> 7.60

7.65

7.70



#45

1,1,2-Trichloroethane

Concen: 0.235 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Tgt Ion: 97 Resp: 2150

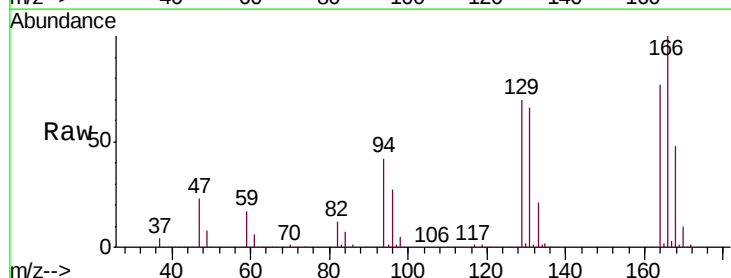
Ion Ratio Lower Upper

97 100

99 12.8 45.0 83.6#

83 230.7 59.3 110.1#

85 47.2 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

4000

3000

2000

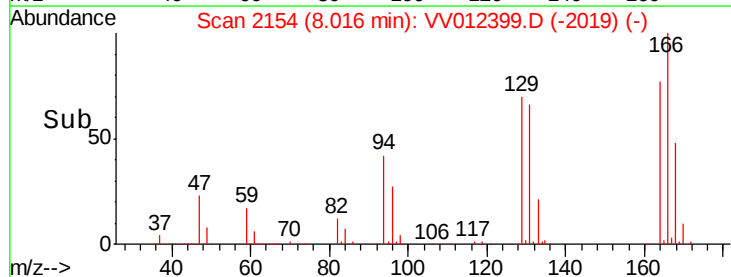
1000

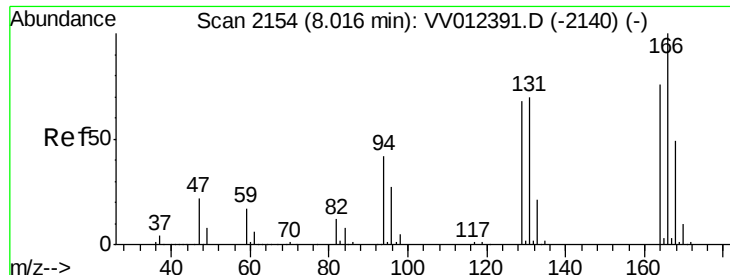
0

Time--> 7.95

8.00

8.05





#47

Tetrachloroethene

Concen: 19.161 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Instrument :

MSVOA_V

ClientSampleId :

GANK1

Tgt Ion:164 Resp: 232907

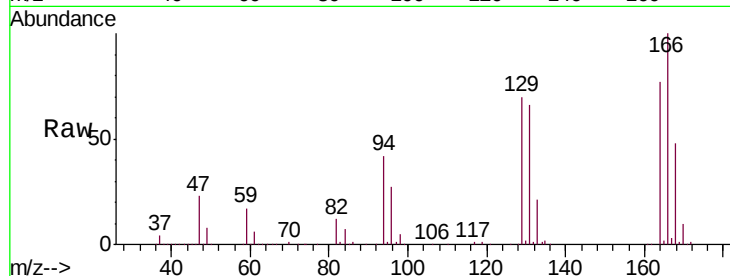
Ion Ratio Lower Upper

164 100

129 90.4 60.6 112.6

131 86.0 58.8 109.2

166 129.3 87.6 162.8

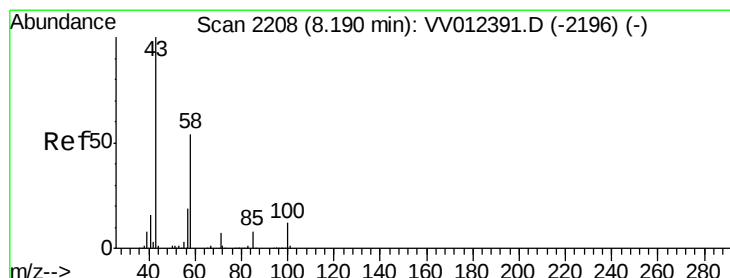
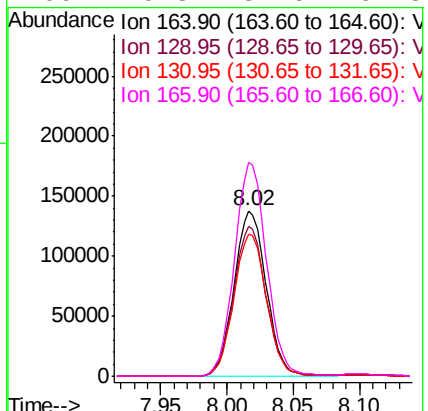
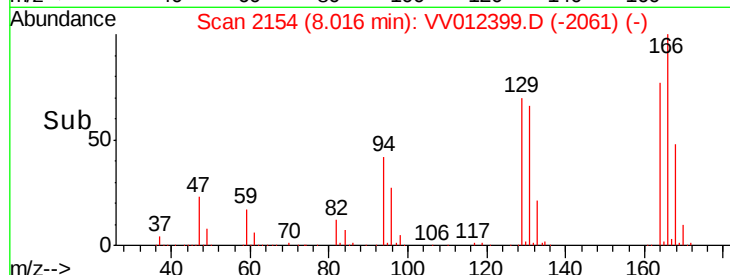


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.079 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Tgt Ion: 43 Resp: 16834

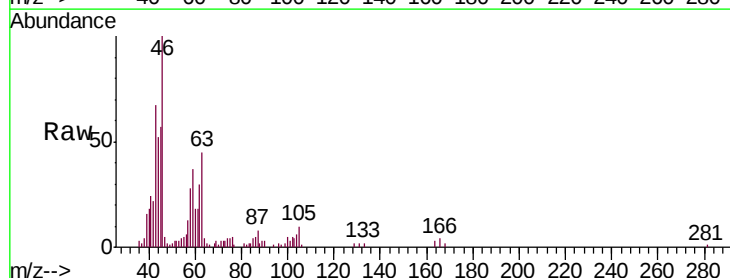
Ion Ratio Lower Upper

43 100

58 20.1 46.3 69.5#

57 1.9 14.9 22.3#

100 6.5 9.7 14.5#

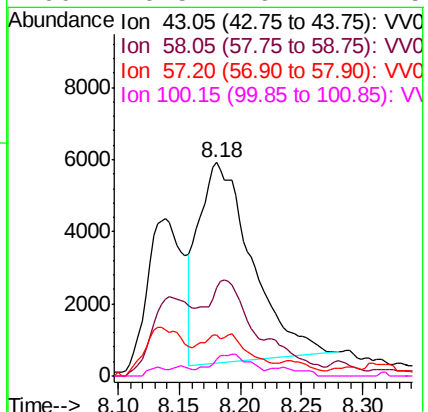
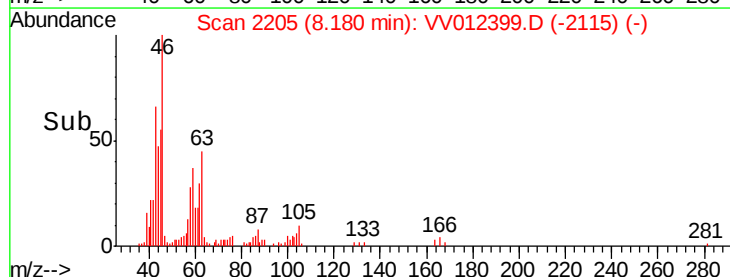


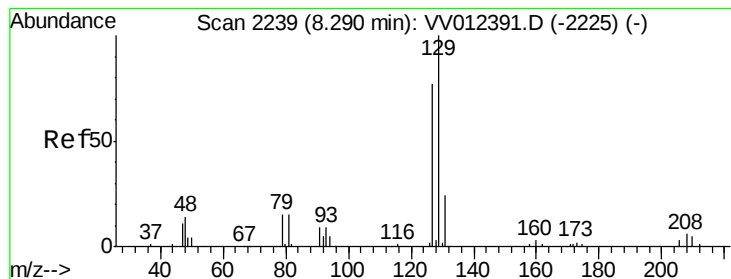
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 17.987 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012399.D

Acq: 26 Aug 2019 13:33

Instrument :

MSVOA_V

ClientSampleId :

GANK1

Tgt Ion:129 Resp: 197515

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#

