

Data File : VV013321.D
Acq On : 24 Oct 2019 20:34
Operator : SY/MD
Sample : K5457-09
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK39

Quant Time: Oct 25 04:46:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	422458	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	459933	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231796	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	170304	5.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.40%
7) Chloroethane-d5	1.59	69	143450	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.60%
11) 1,1-Dichloroethene-d2	2.13	63	225553	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	3.95	46	369407	61.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.52%
24) Chloroform-d	4.40	84	351066	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.08	65	167295	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.10	84	713564	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.12	67	220652	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.36	98	605208	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.67	79	62382	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
46) 2-Hexanone-d5	8.13	63	192406	31.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	63.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	144092	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	240851	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2893	0.083	ug/L #	36
12) 1,1-Dichloroethene	2.14	96	34634	1.043	ug/L #	1
13) Acetone	2.41	43	13960	4.514	ug/L	74
14) Carbon disulfide	2.32	76	71540	0.750	ug/L	99
15) Methyl Acetate	2.46	43	4526	0.433	ug/L #	52
17) Methyl tert-butyl Ether	2.80	73	7447	0.097	ug/L #	74
19) 1,1-Dichloroethane	3.23	63	9510	0.149	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	263633	6.291	ug/L #	91
25) Chloroform	4.42	83	11481	0.138	ug/L	94
29) 1,1,1-Trichloroethane	4.67	97	8695	0.128	ug/L #	89
34) Trichloroethene	5.96	95	109967	2.334	ug/L	95
35) Methylcyclohexane	6.12	83	54839	0.756	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	22510	0.528	ug/L #	86
44) trans-1,3-Dichloropropene	7.66	75	2502	0.055	ug/L	87
47) Tetrachloroethene	8.02	164	17896	0.418	ug/L	98
48) 2-Hexanone	8.18	43	21599	1.387	ug/L #	40
49) Dibromochloromethane	8.02	129	14599	0.389	ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102519\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Oct 25 04:42:43 2019
Response via : Initial Calibration

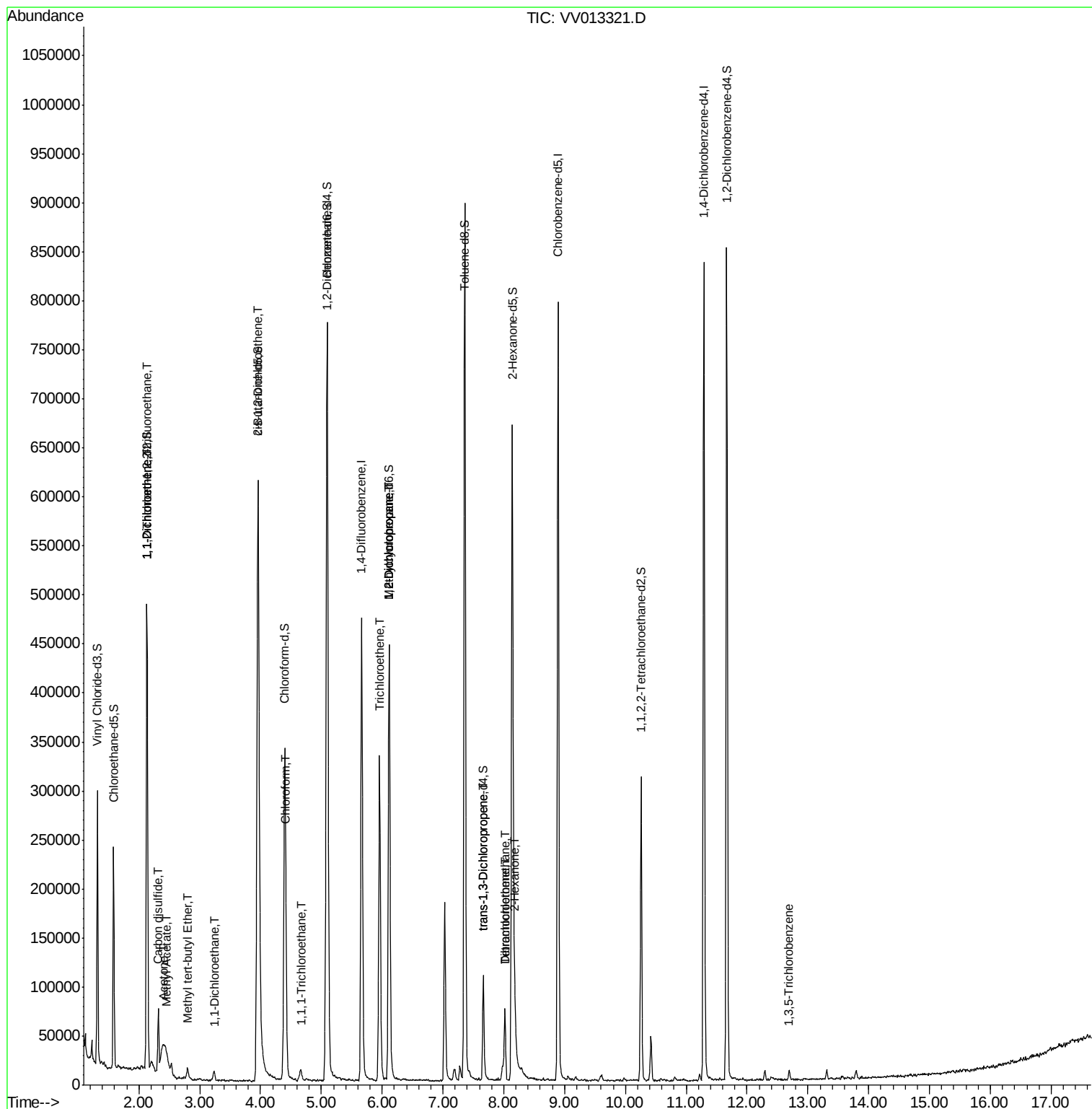
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	12.69	180	3168	0.052	ug/L	98

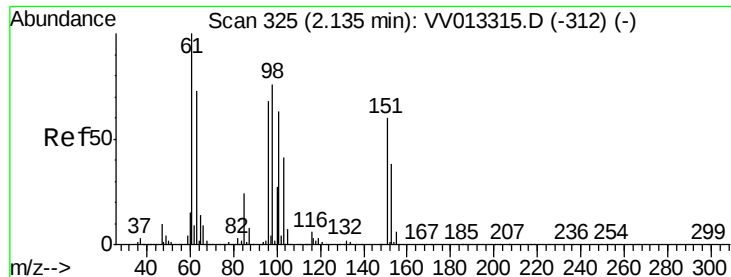
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VBLK39

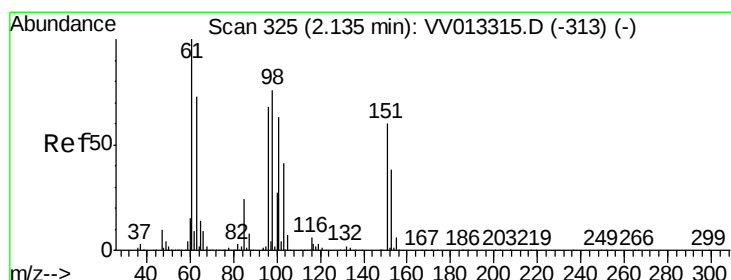
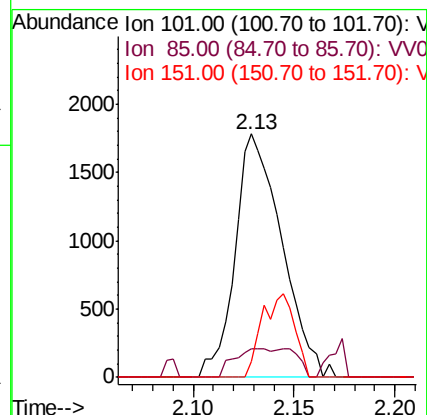
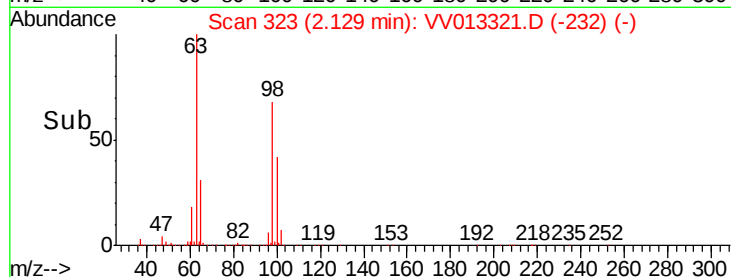
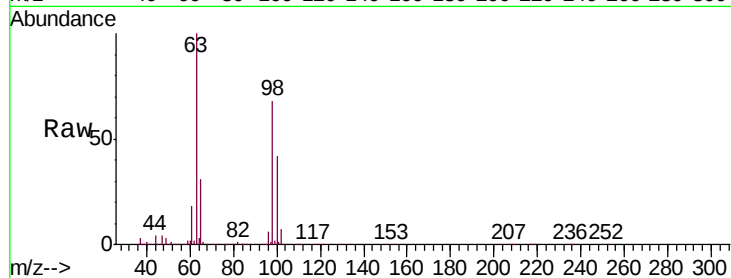
Tgt Ion: 101 Resp: 2893

Ion Ratio Lower Upper

101 100

85 9.4 31.8 47.8#

151 23.9 72.9 109.3#



#12

1,1-Dichloroethene

Concen: 1.043 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

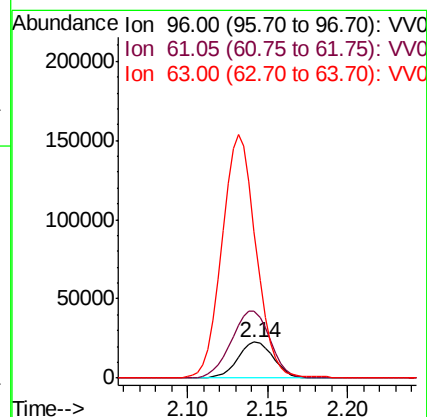
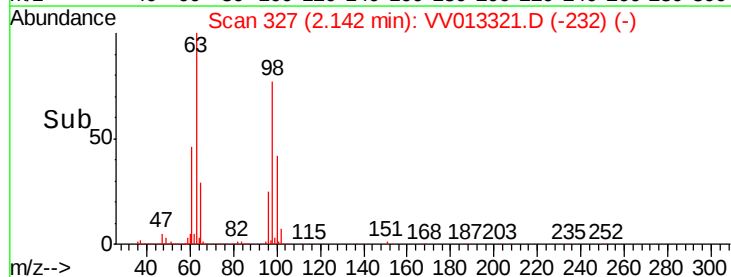
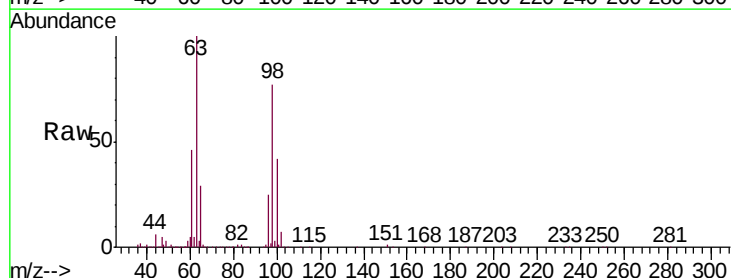
Tgt Ion: 96 Resp: 34634

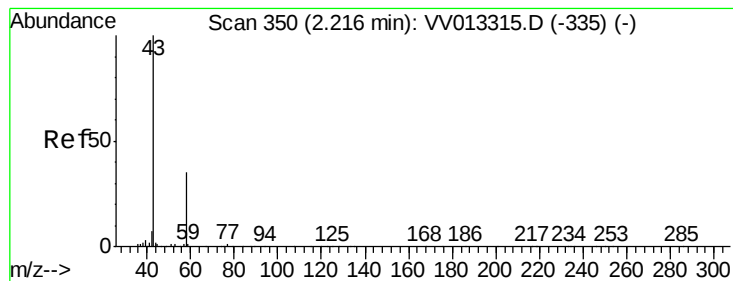
Ion Ratio Lower Upper

96 100

61 185.6 104.0 193.1

63 404.8 67.1 124.5#





#13

Acetone

Concen: 4.514 ug/L

RT: 2.41 min Scan# 409

Delta R.T. 0.19 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

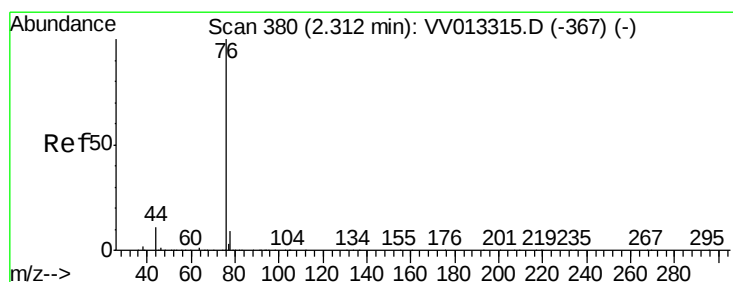
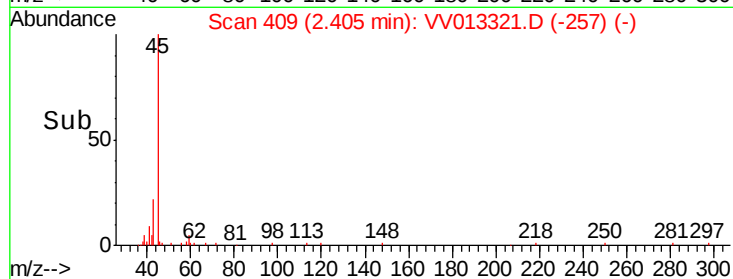
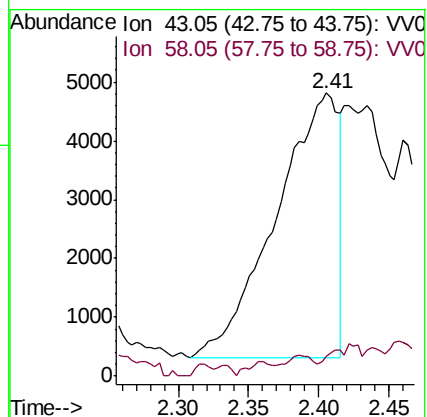
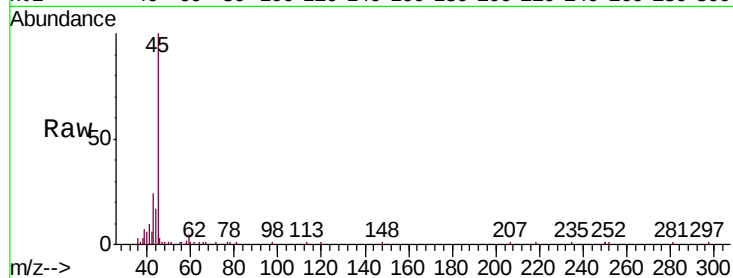
VBLK39

Tgt Ion: 43 Resp: 13960

Ion Ratio Lower Upper

43 100

58 2.9 0.0 26.2



#14

Carbon disulfide

Concen: 0.750 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013321.D

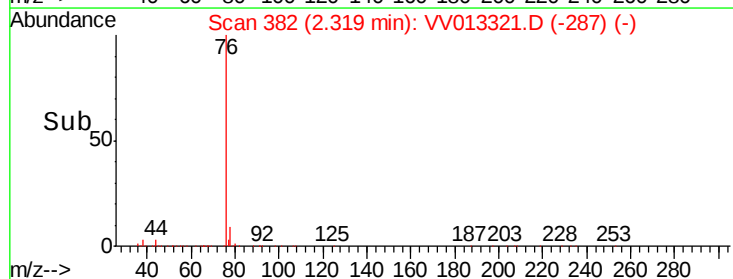
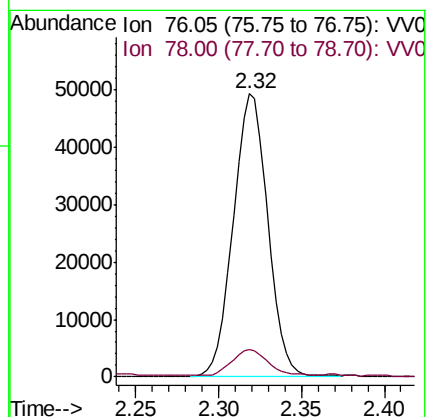
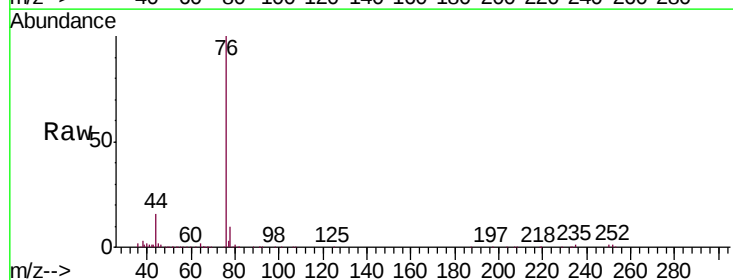
Acq: 24 Oct 2019 20:34

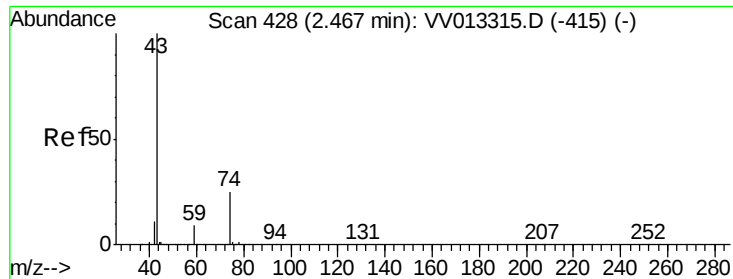
Tgt Ion: 76 Resp: 71540

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

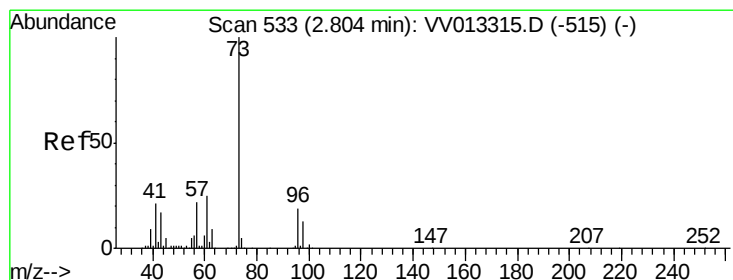
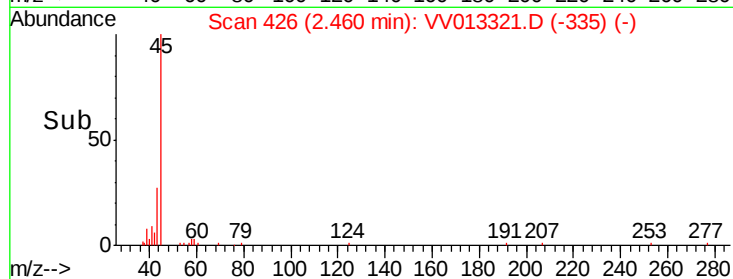
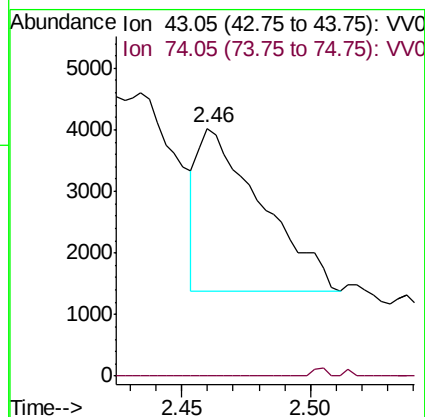
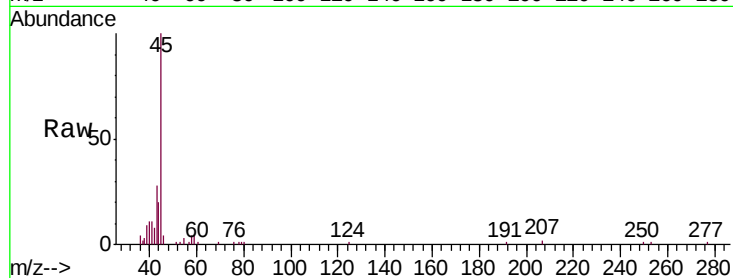




#15
Methyl Acetate
Concen: 0.433 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV013321.D
Acq: 24 Oct 2019 20:34

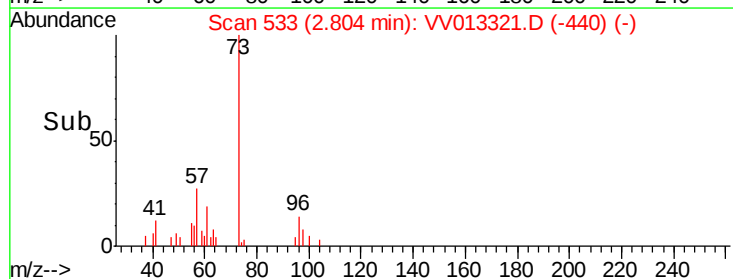
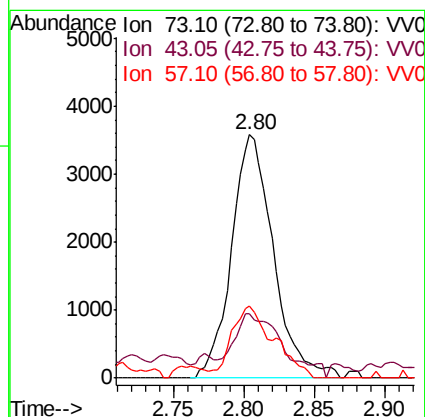
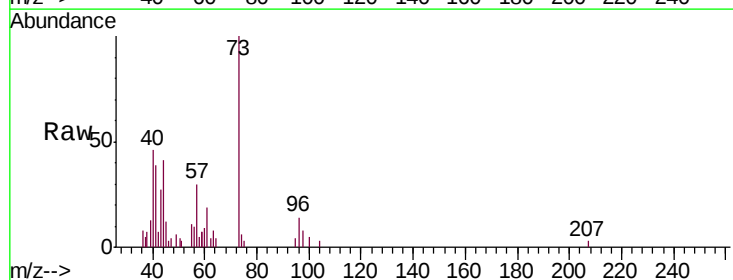
Instrument :
MSVOA_V
ClientSampled :
VBLK39

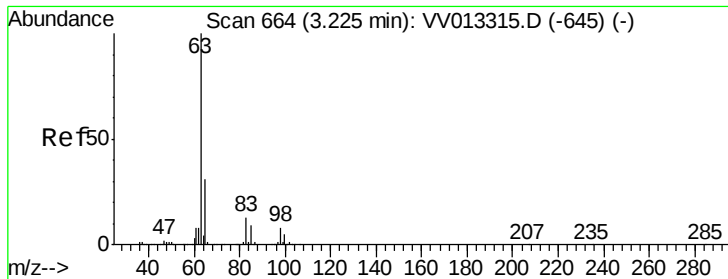
Tgt Ion: 43 Resp: 4526
Ion Ratio Lower Upper
43 100
74 1.1 20.4 30.6#



#17
Methyl tert-butyl Ether
Concen: 0.097 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013321.D
Acq: 24 Oct 2019 20:34

Tgt Ion: 73 Resp: 7447
Ion Ratio Lower Upper
73 100
43 30.9 13.1 19.7#
57 29.9 16.4 24.6#

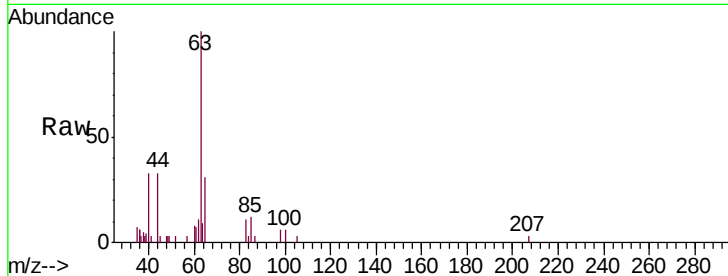




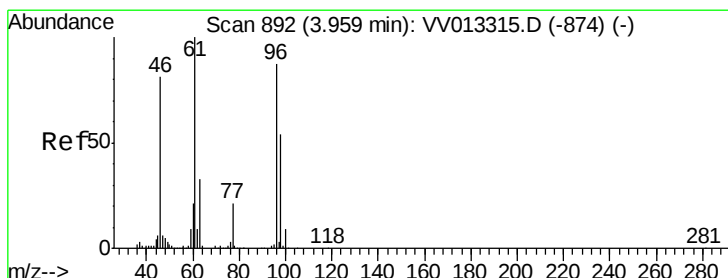
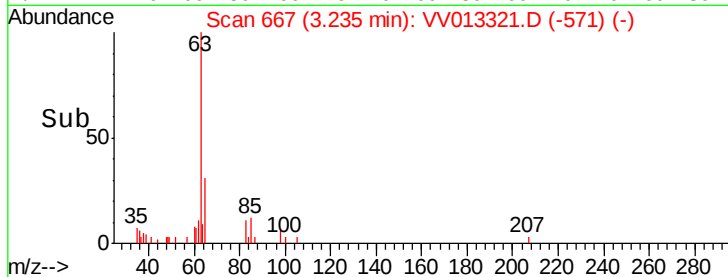
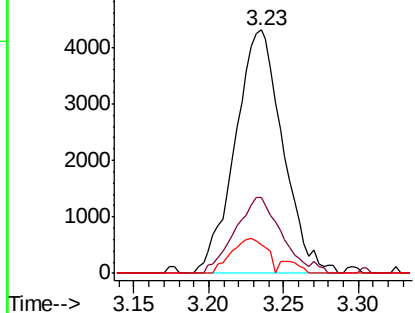
#19
 1,1-Dichloroethane
 Concen: 0.149 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VV013321.D
 Acq: 24 Oct 2019 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK39

Tgt Ion:	63	Resp:	9510
Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.0	42.8
83	11.5	10.2	19.0

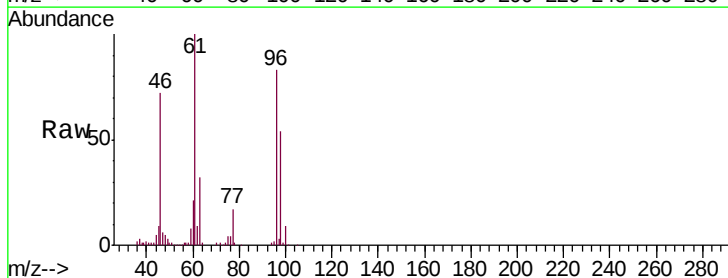


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

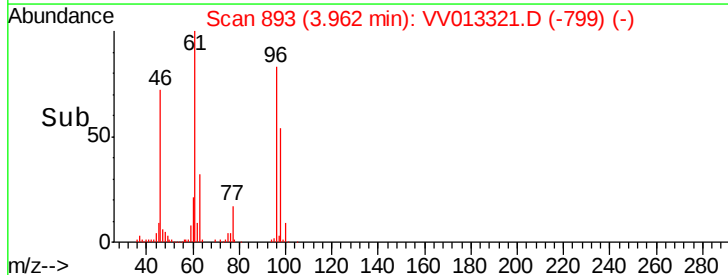
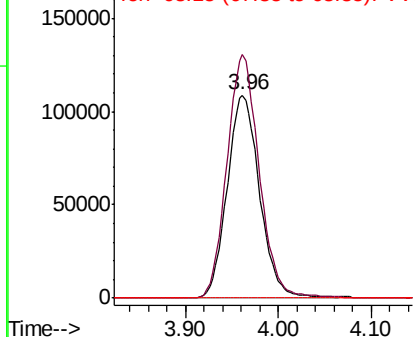


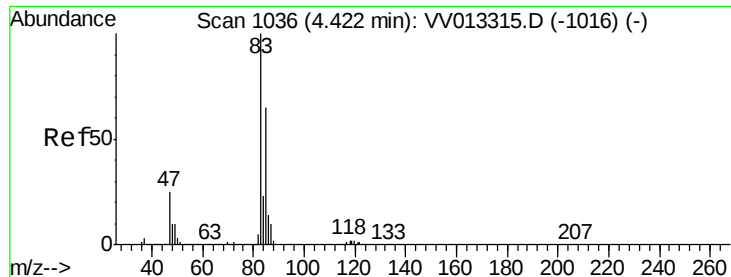
#22
 cis-1,2-Dichloroethene
 Concen: 6.291 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013321.D
 Acq: 24 Oct 2019 20:34

Tgt Ion:	96	Resp:	263633
Ion	Ratio	Lower	Upper
96	100		
61	119.9	77.3	143.7
68	0.0	0.1	0.1#



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

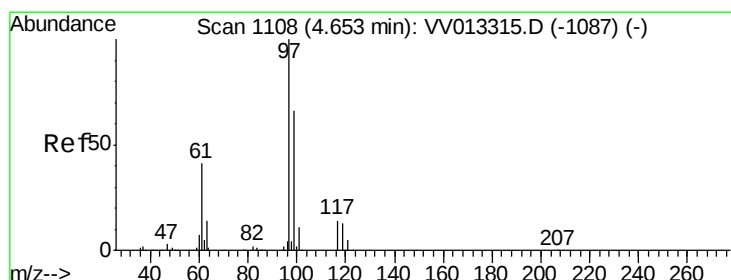
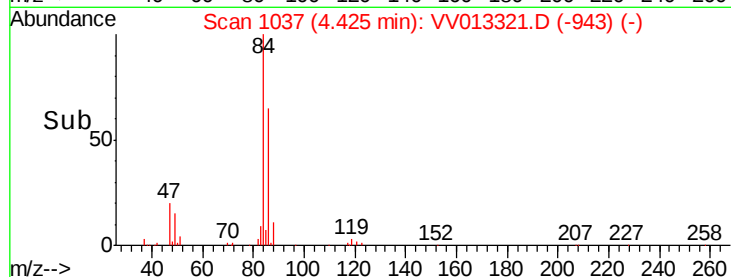
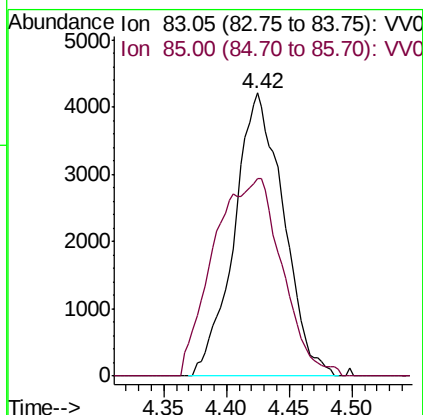
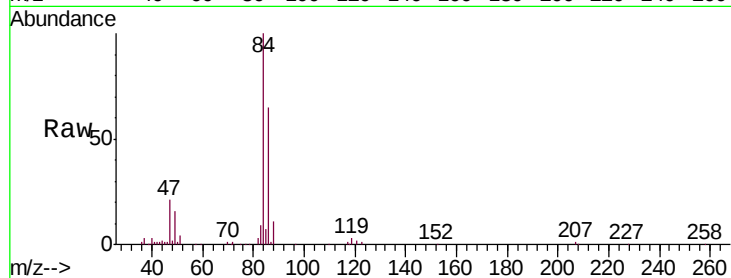




#25
Chloroform
Concen: 0.138 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013321.D
Acq: 24 Oct 2019 20:34

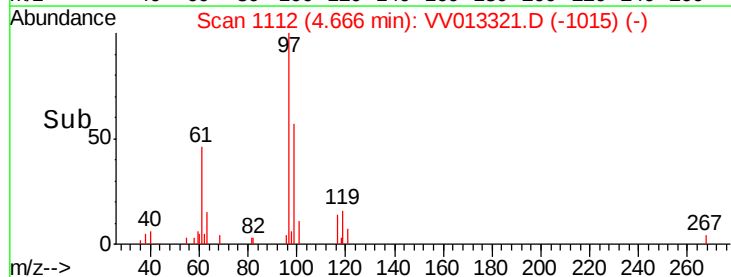
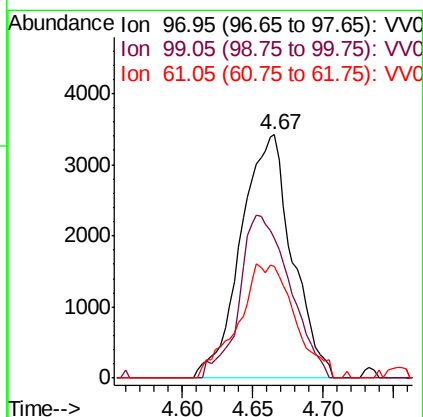
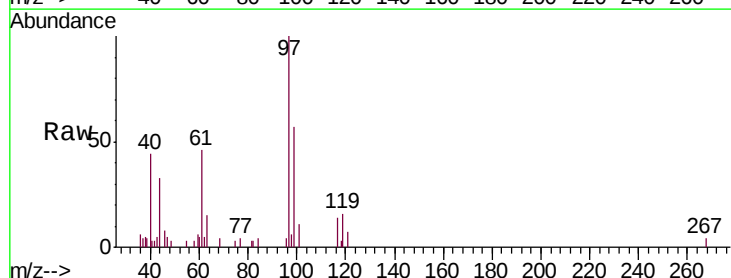
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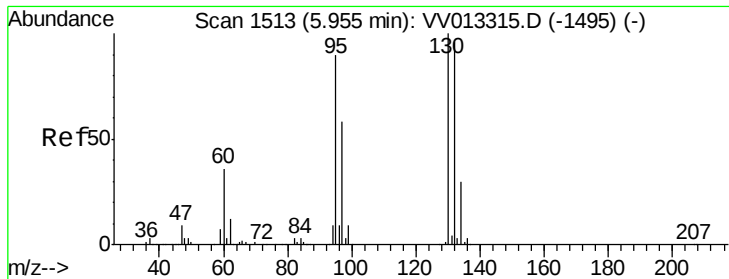
Tgt Ion: 83 Resp: 11481
Ion Ratio Lower Upper
83 100
85 69.9 45.7 84.9



#29
1,1,1-Trichloroethane
Concen: 0.128 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VV013321.D
Acq: 24 Oct 2019 20:34

Tgt Ion: 97 Resp: 8695
Ion Ratio Lower Upper
97 100
99 66.0 51.7 77.5
61 26.6 34.3 51.5#

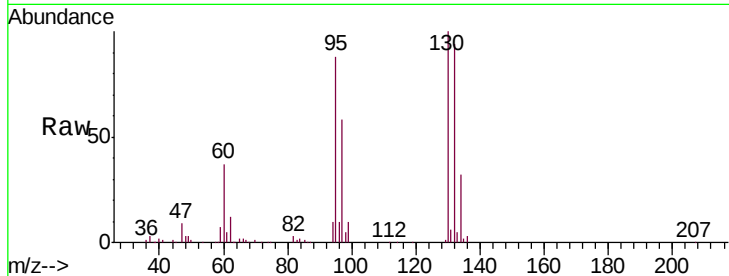




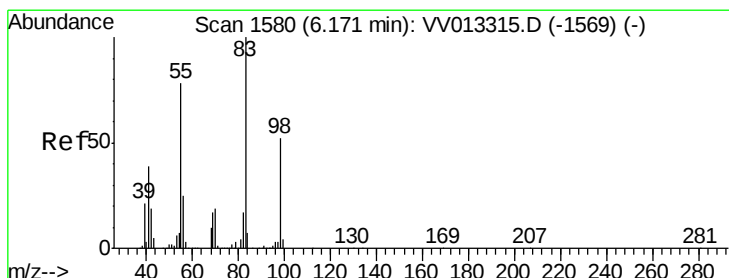
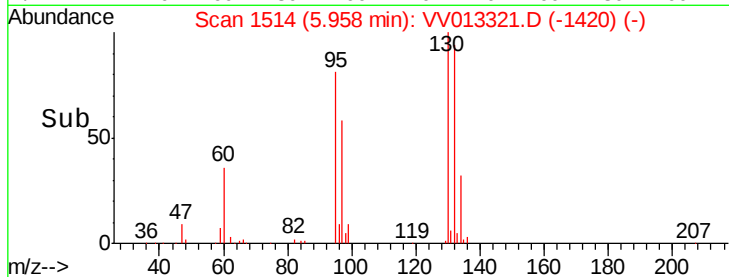
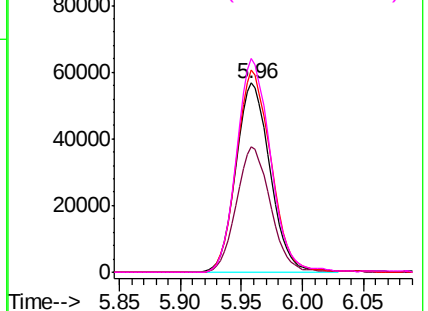
#34
 Trichloroethene
 Concen: 2.334 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013321.D
 Acq: 24 Oct 2019 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK39

Tgt Ion:	95	Resp:	109967
Ion	Ratio	Lower	Upper
95	100		
97	66.1	45.2	84.0
132	106.8	70.6	131.2
130	113.1	75.5	140.3

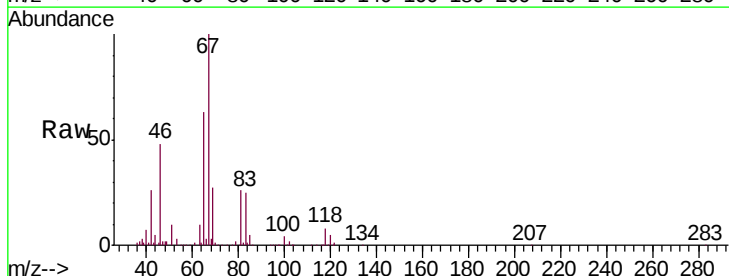


Abundance Ion 95.00 (94.70 to 95.70): VV013321.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV013321.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV013321.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV013321.D (-1420) (-)

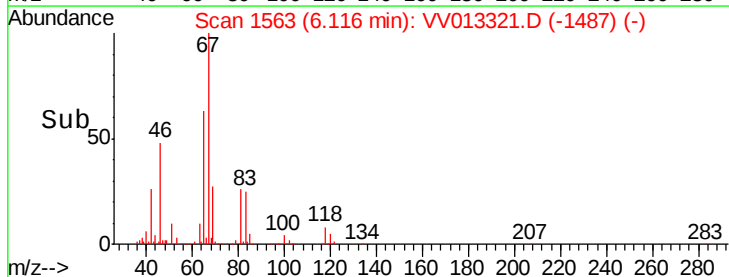
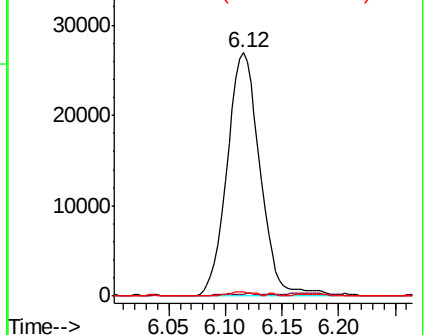


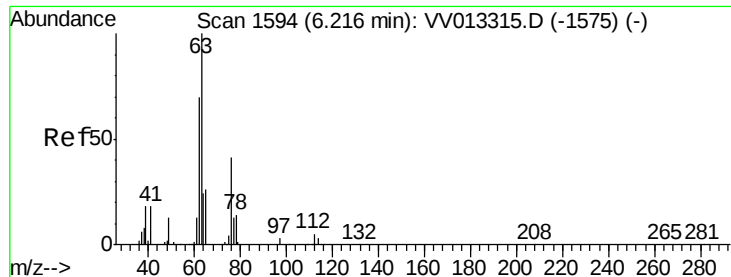
#35
 Methylcyclohexane
 Concen: 0.756 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV013321.D
 Acq: 24 Oct 2019 20:34

Tgt Ion:	83	Resp:	54839
Ion	Ratio	Lower	Upper
83	100		
55	0.4	62.4	93.6#
98	1.3	39.2	58.8#



Abundance Ion 83.15 (82.85 to 83.85): VV013321.D (-1487) (-)
 Ion 55.10 (54.80 to 55.80): VV013321.D (-1487) (-)
 Ion 98.15 (97.85 to 98.85): VV013321.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 0.528 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

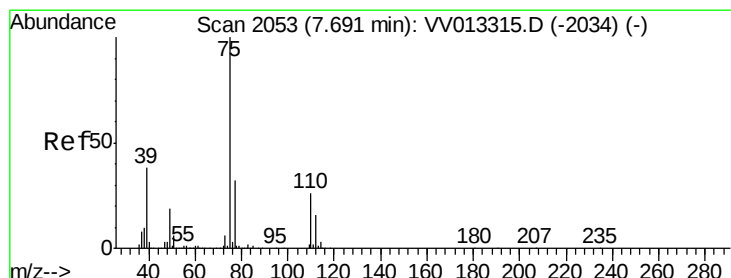
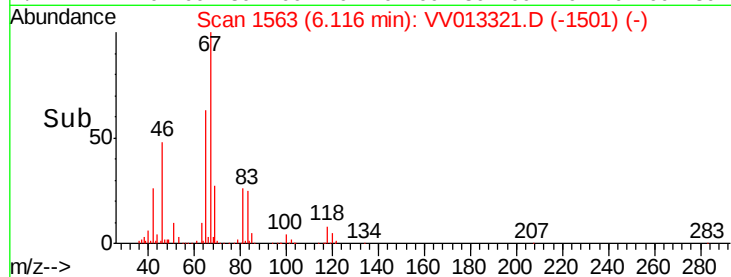
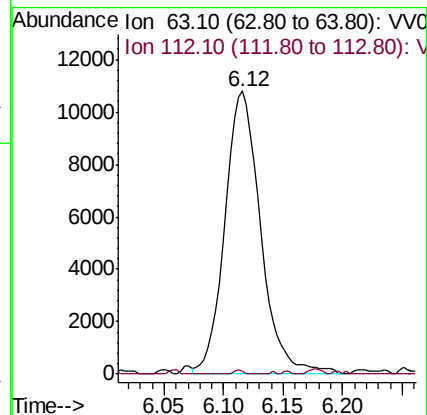
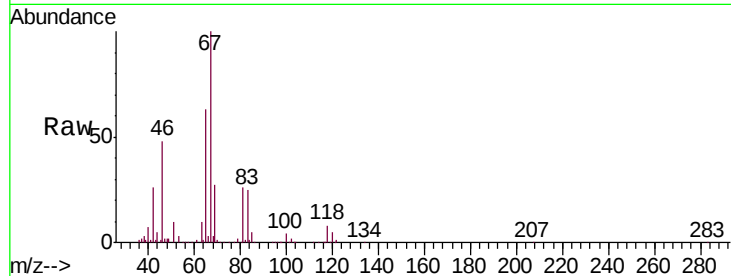
VBLK39

Tgt Ion: 63 Resp: 22510

Ion Ratio Lower Upper

63 100

112 0.3 4.1 6.1#



#44

trans-1,3-Dichloropropene

Concen: 0.055 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013321.D

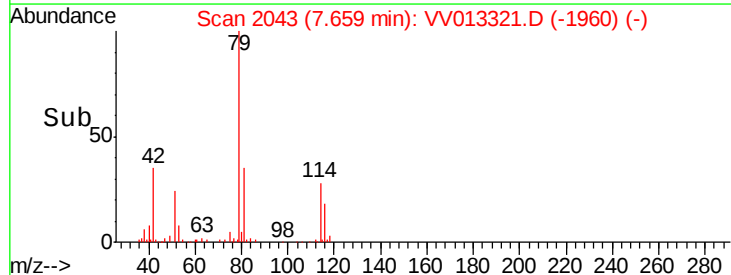
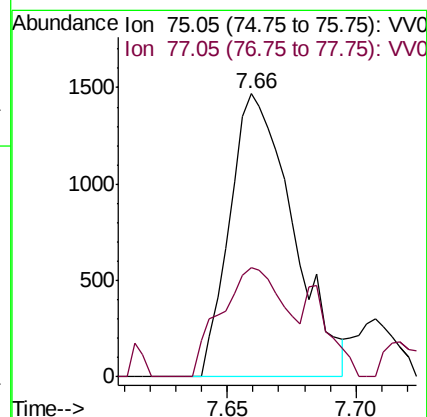
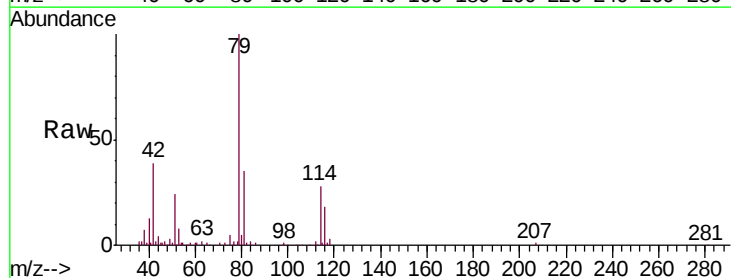
Acq: 24 Oct 2019 20:34

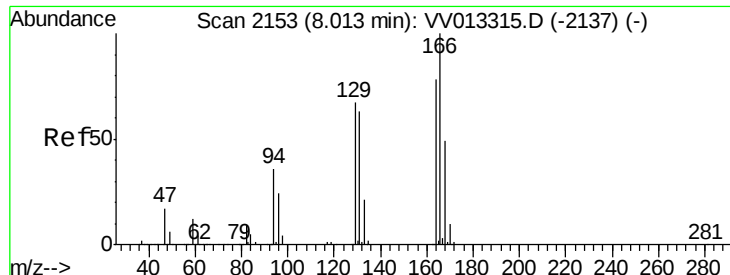
Tgt Ion: 75 Resp: 2502

Ion Ratio Lower Upper

75 100

77 38.4 21.8 40.6





#47

Tetrachloroethene

Concen: 0.418 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VBLK39

Tgt Ion:164 Resp: 17896

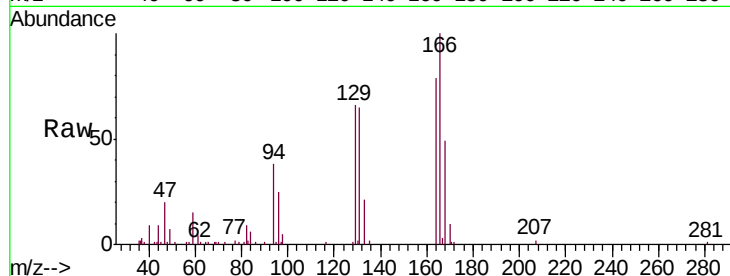
Ion Ratio Lower Upper

164 100

129 83.9 61.0 113.2

131 82.1 57.5 106.9

166 127.3 87.8 163.0

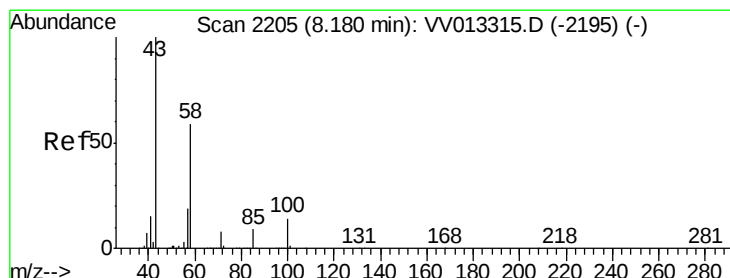
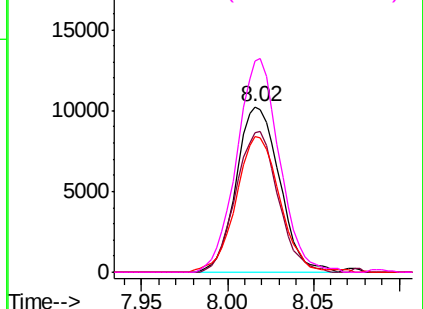
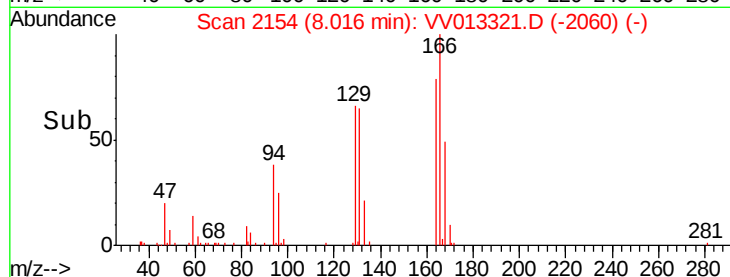


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.387 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

Tgt Ion: 43 Resp: 21599

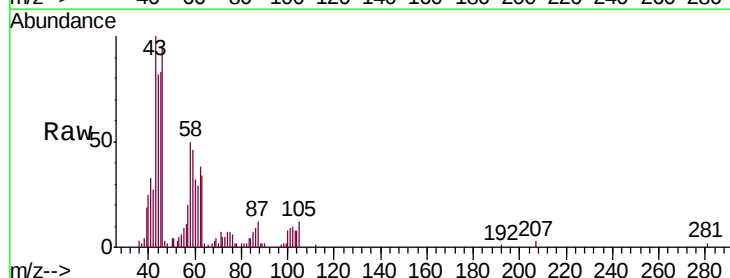
Ion Ratio Lower Upper

43 100

58 0.0 45.1 67.7#

57 0.0 15.5 23.3#

100 8.3 10.2 15.2#

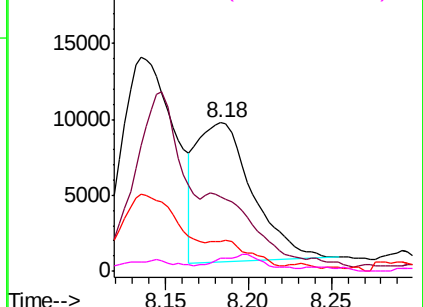
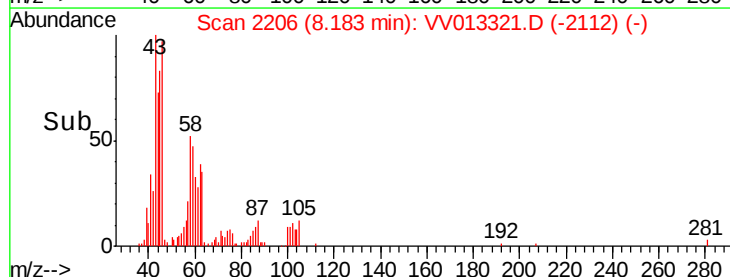


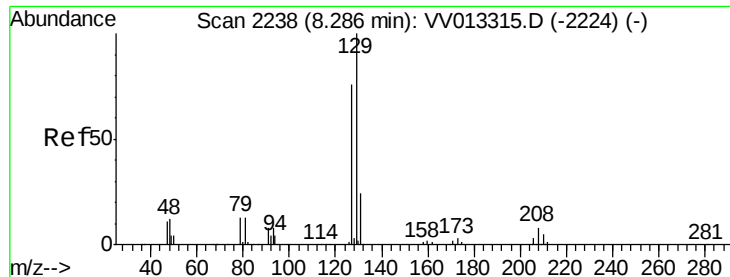
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.389 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

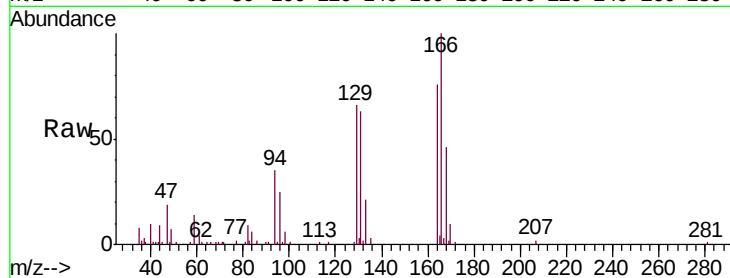
VBLK39

Tgt Ion:129 Resp: 14599

Ion Ratio Lower Upper

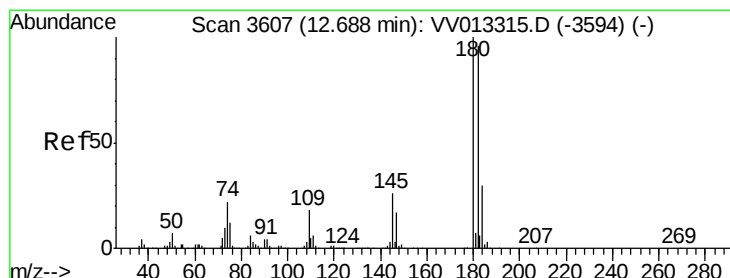
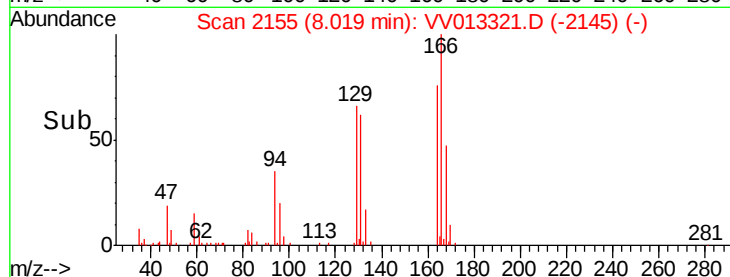
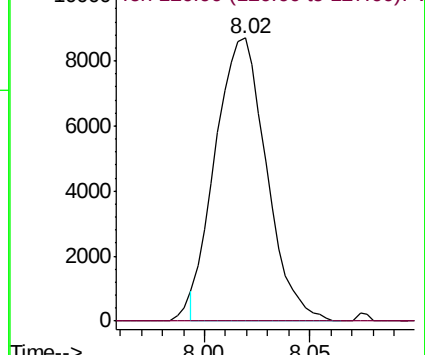
129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#67

1,3,5-Trichlorobenzene

Concen: 0.052 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013321.D

Acq: 24 Oct 2019 20:34

Tgt Ion:180 Resp: 3168

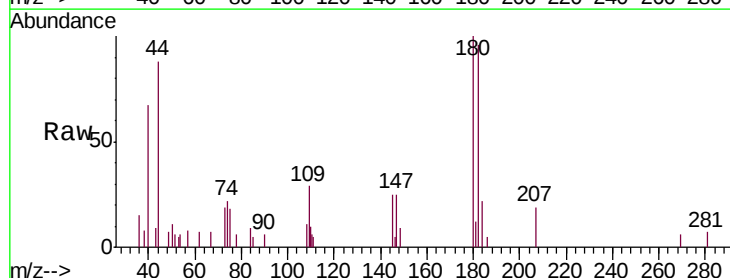
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

184 27.6 24.0 36.0

145 24.0 21.8 32.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

