

Data File : VV013302.D
Acq On : 23 Oct 2019 17:52
Operator : SY/MD
Sample : K5395-05
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0043

Quant Time: Oct 24 03:08:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 02:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1271700	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1199155	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	537811	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	380727	45.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.32%
7) Chloroethane-d5	1.58	69	310725	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.50%
11) 1,1-Dichloroethene-d2	2.13	63	459591	37.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.52%
21) 2-Butanone-d5	3.97	46	563632	99.79	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.79%
24) Chloroform-d	4.40	84	834141	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	5.08	65	523515	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.06%
32) Benzene-d6	5.10	84	1772326	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	553133	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.76%
41) Toluene-d8	7.36	98	1591613	47.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.64%
43) trans-1,3-Dichloropropene-	7.66	79	237920	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.34%
47) 2-Hexanone-d5	8.14	63	342916	99.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	705683	46.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	625285	50.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.32%

Target Compounds

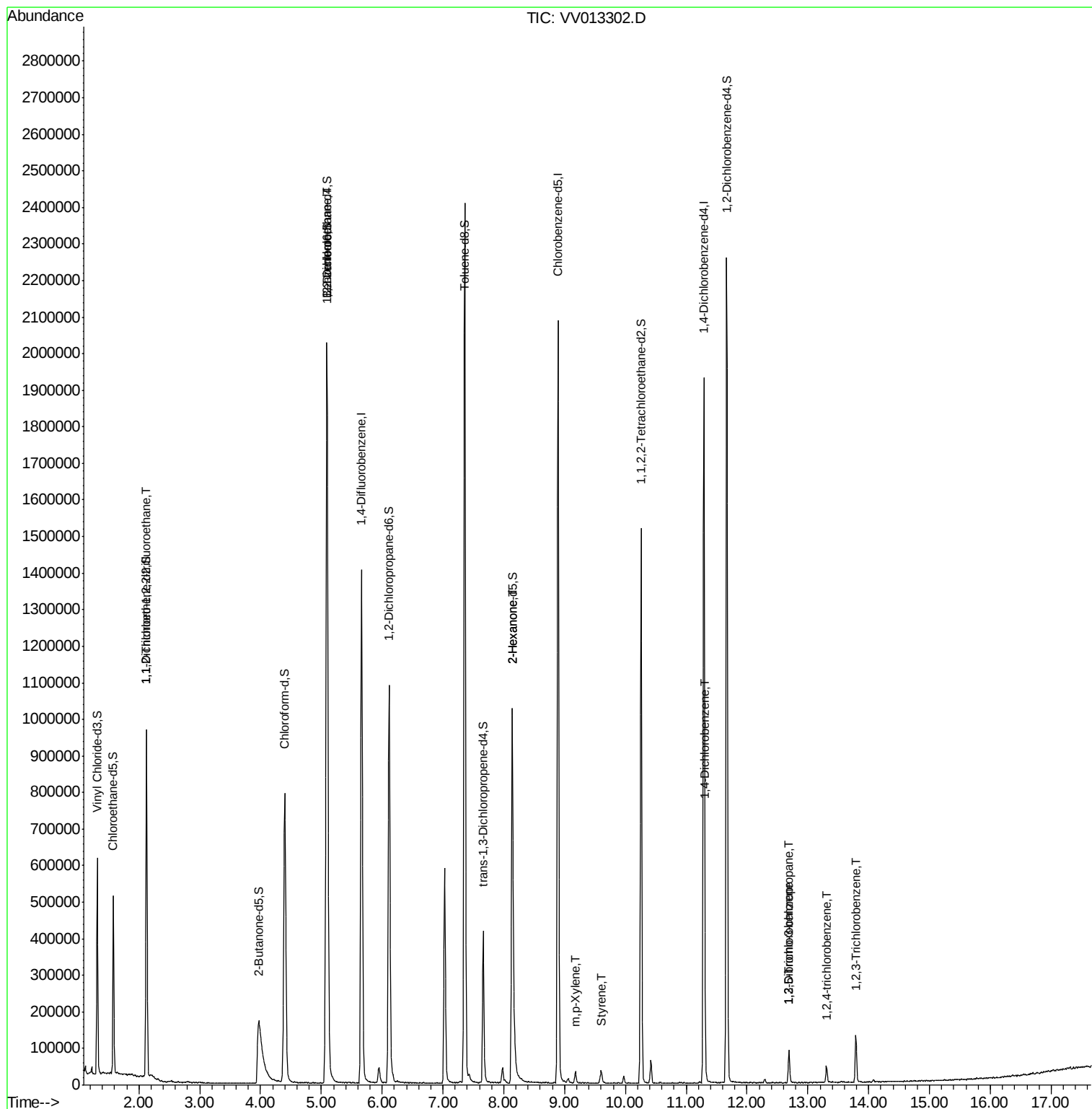
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5989	0.896 ug/L #	29
27) 1,2-Dichloroethane	5.09	62	9295	0.776 ug/L	95
48) 2-Hexanone	8.14	43	48522	5.243 ug/L #	84
53) m,p-Xylene	9.18	106	8512	0.556 ug/L	90
55) Styrene	9.60	104	17929	0.708 ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	14465	0.802 ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.69	75	4122	1.642 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.69	180	30511	2.333 ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	15492	1.412 ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	44869	3.816 ug/L	98

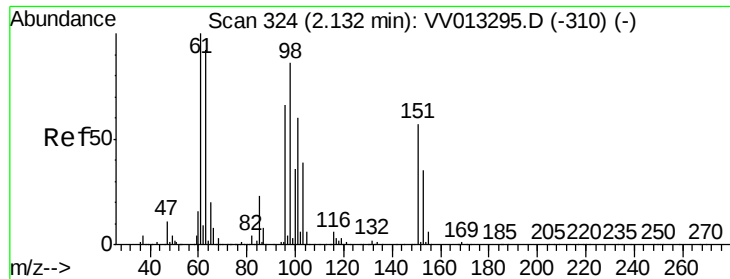
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.896 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013302.D

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Instrument :

MSVOA_V

ClientSampleId :

C0043

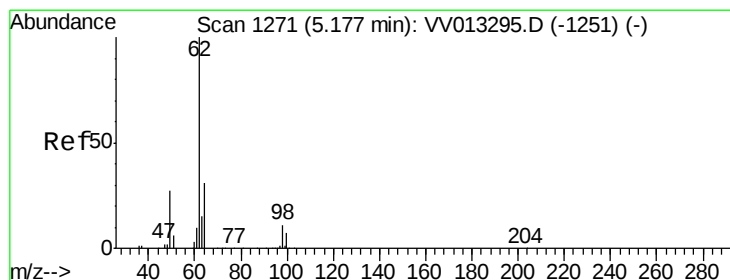
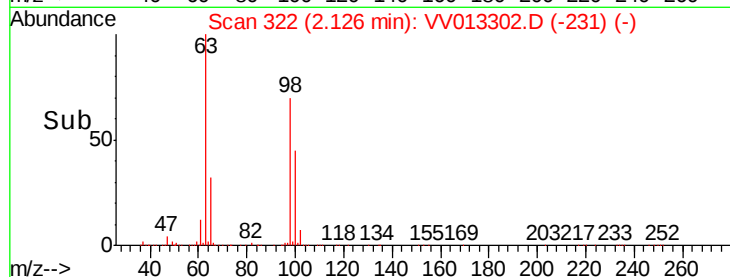
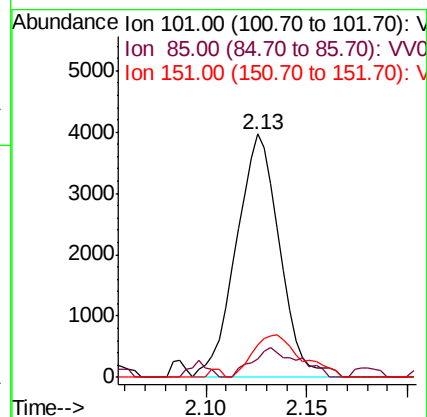
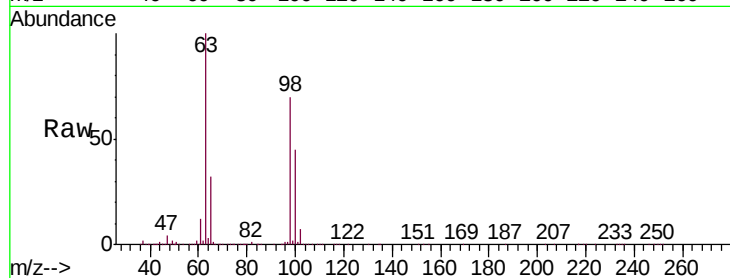
Tgt Ion: 101 Resp: 5989

Ion Ratio Lower Upper

101 100

85 10.0 31.4 47.2#

151 16.0 74.6 112.0#



#27

1,2-Dichloroethane

Concen: 0.776 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.08 min

Lab File: VV013302.D

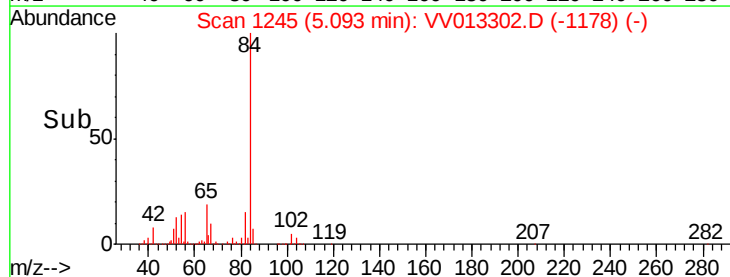
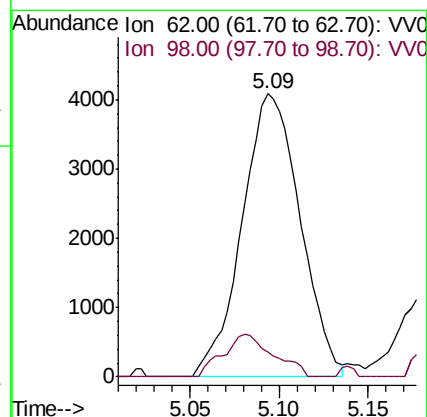
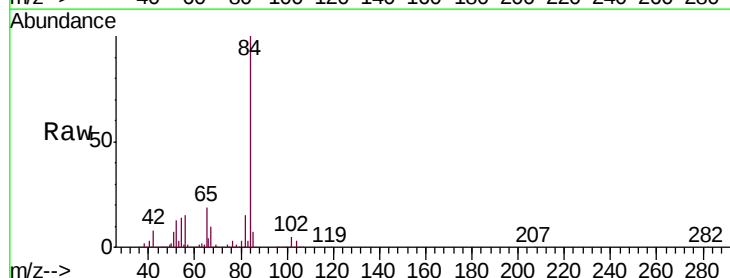
Acq: 23 Oct 2019 17:52

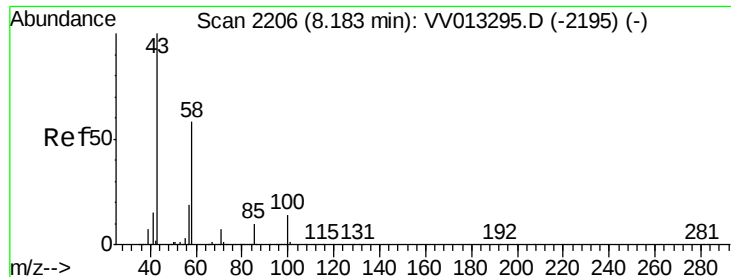
Tgt Ion: 62 Resp: 9295

Ion Ratio Lower Upper

62 100

98 8.8 8.5 12.7

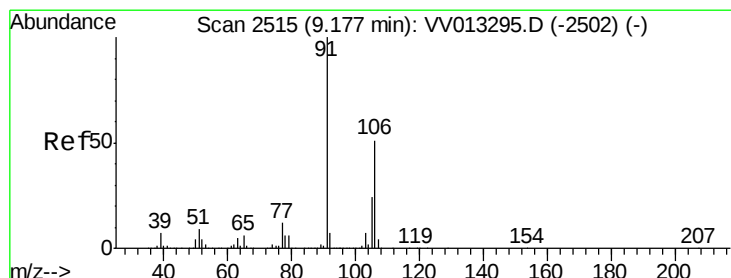
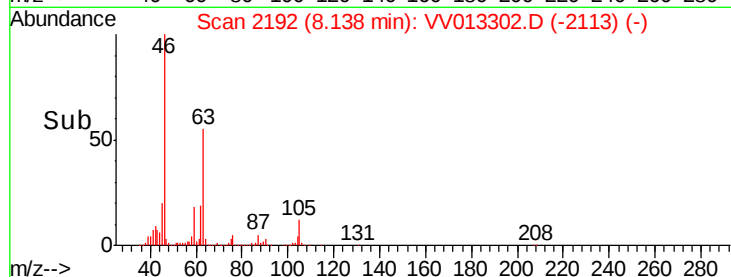
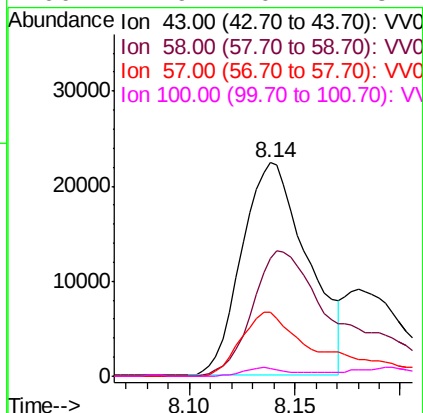
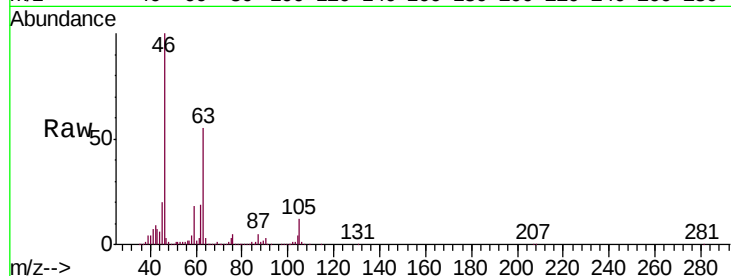




#48
2-Hexanone
Concen: 5.243 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV013302.D
Acq: 23 Oct 2019 17:52

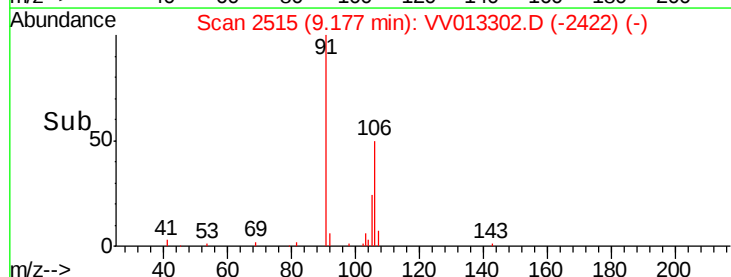
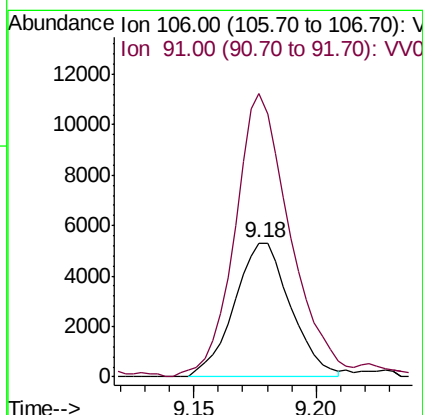
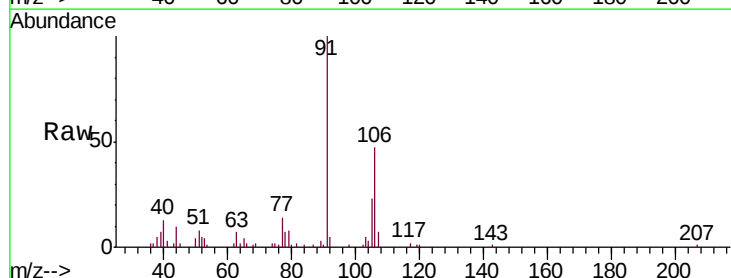
Instrument :
MSVOA_V
ClientSampleId :
C0043

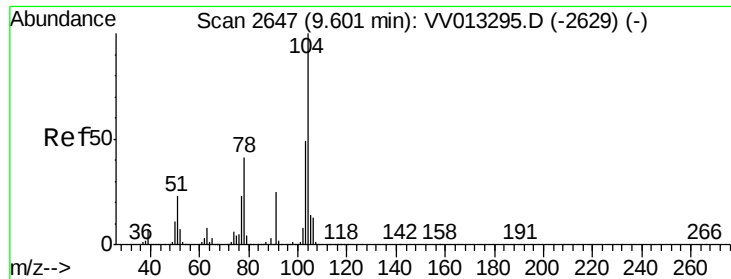
Tgt Ion: 43 Resp: 48522
Ion Ratio Lower Upper
43 100
58 67.9 47.0 70.6
57 26.8 13.8 20.8#
100 2.9 10.2 15.4#



#53
m,p-Xylene
Concen: 0.556 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV013302.D
Acq: 23 Oct 2019 17:52

Tgt Ion: 106 Resp: 8512
Ion Ratio Lower Upper
106 100
91 211.9 137.7 255.7





#55

Styrene

Concen: 0.708 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV013302.D

Acq: 23 Oct 2019 17:52

Instrument :

MSVOA_V

ClientSampleId :

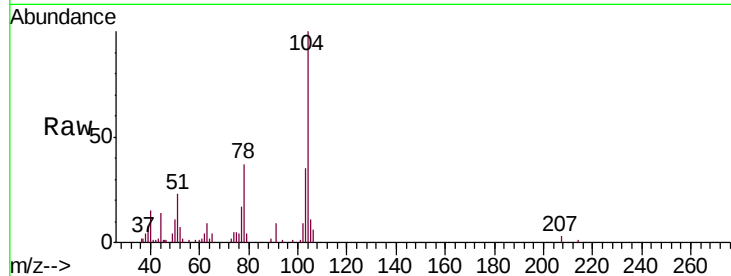
C0043

Tgt Ion:104 Resp: 17929

Ion Ratio Lower Upper

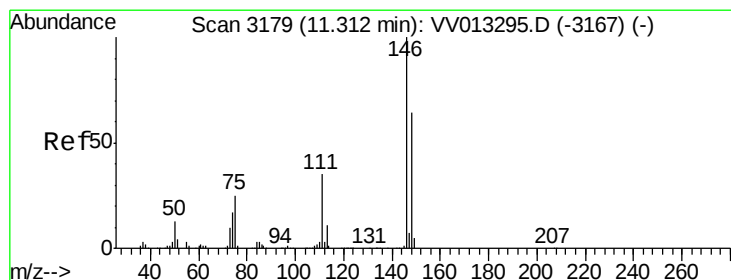
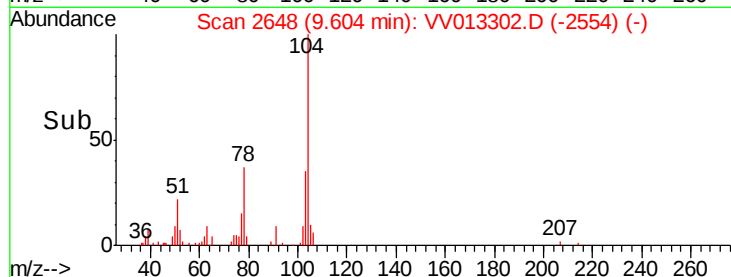
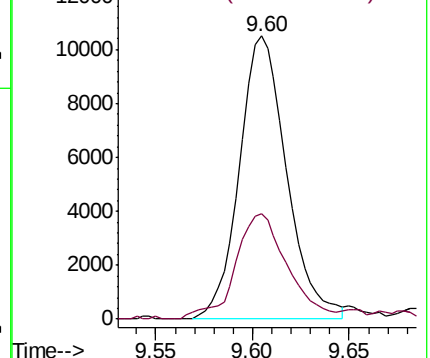
104 100

78 37.4 28.9 53.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#63

1,4-Dichlorobenzene

Concen: 0.802 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013302.D

Acq: 23 Oct 2019 17:52

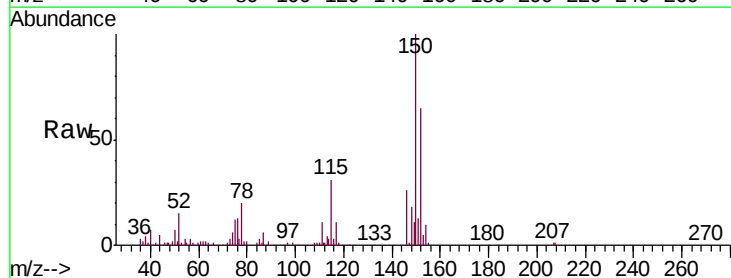
Tgt Ion:146 Resp: 14465

Ion Ratio Lower Upper

146 100

111 41.0 24.5 45.5

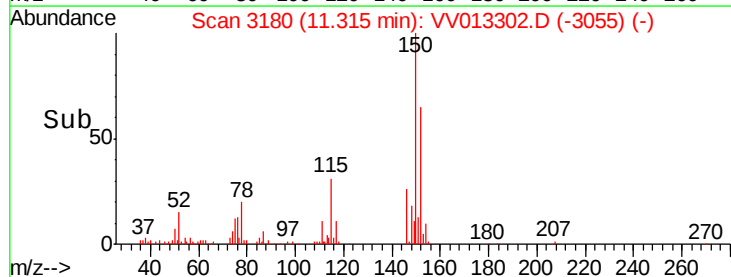
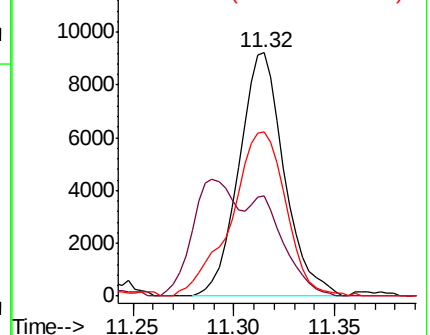
148 67.3 45.0 83.6

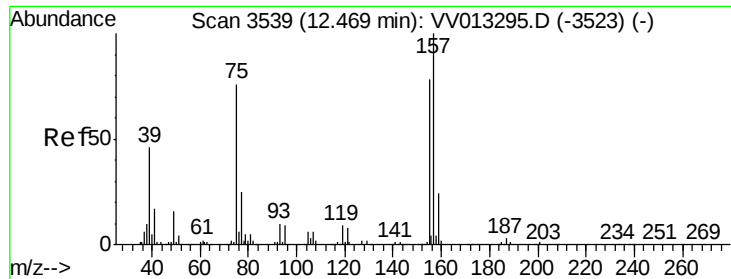


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

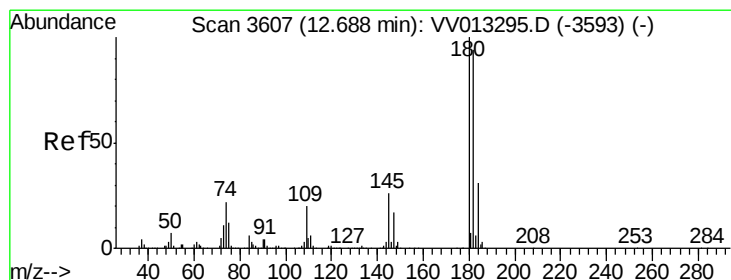
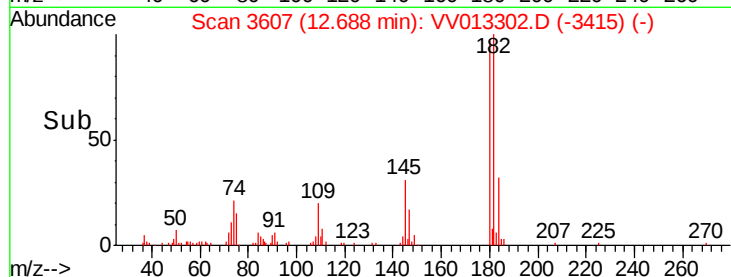
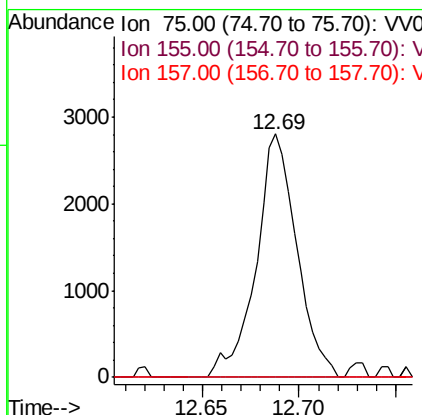
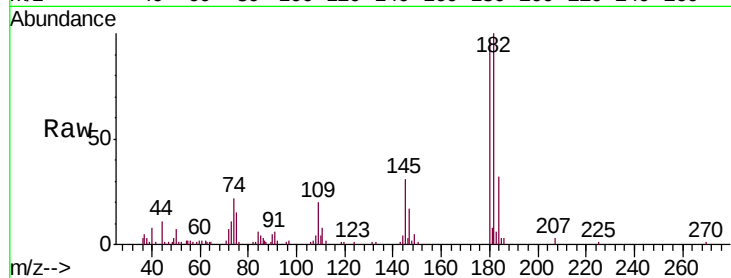




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.642 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.22 min
 Lab File: VV013302.D
 Acq: 23 Oct 2019 17:52

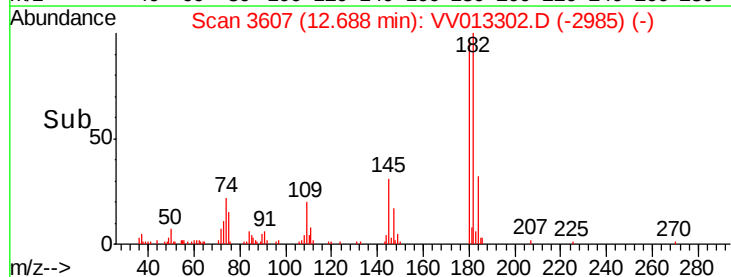
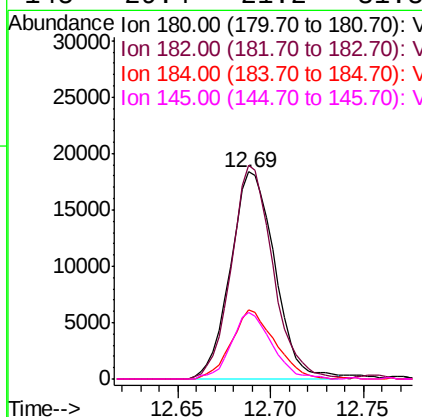
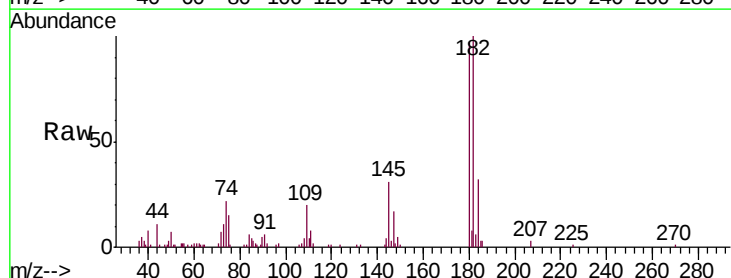
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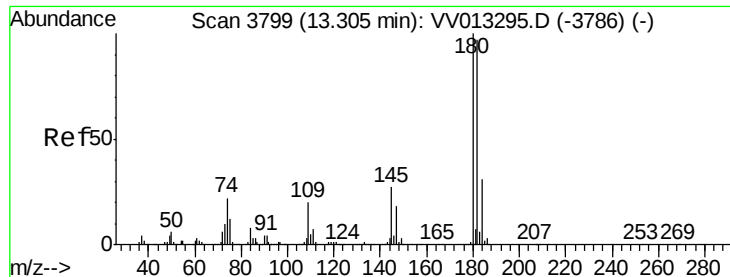
Tgt Ion: 75 Resp: 4122
 Ion Ratio Lower Upper
 75 100
 155 0.0 81.8 122.8#
 157 0.0 105.4 158.2#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.333 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013302.D
 Acq: 23 Oct 2019 17:52

Tgt Ion: 180 Resp: 30511
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.3 114.5
 184 32.7 24.8 37.2
 145 29.4 21.2 31.8

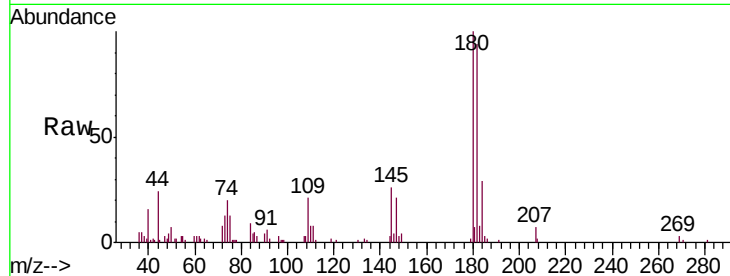




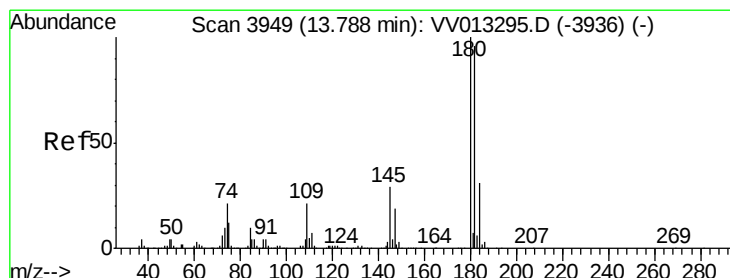
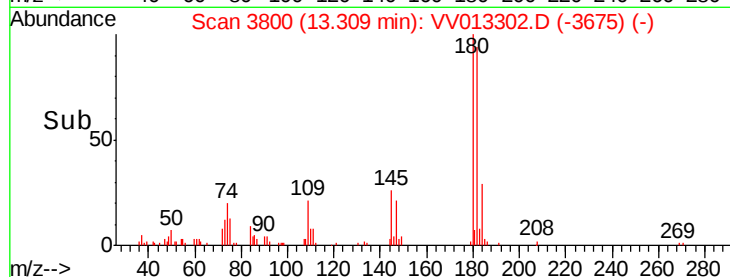
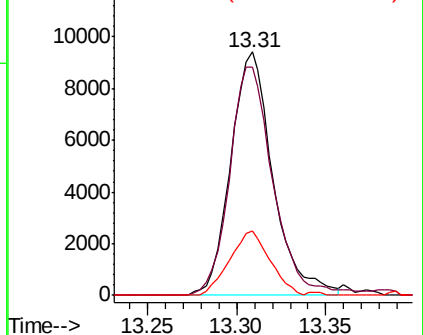
#68
 1,2,4-trichlorobenzene
 Concen: 1.412 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013302.D
 Acq: 23 Oct 2019 17:52

Instrument :
 MSVOA_V
 ClientSampleId :
 C0043

Tgt Ion:180 Resp: 15492
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.3 115.9
 145 25.3 21.7 32.5

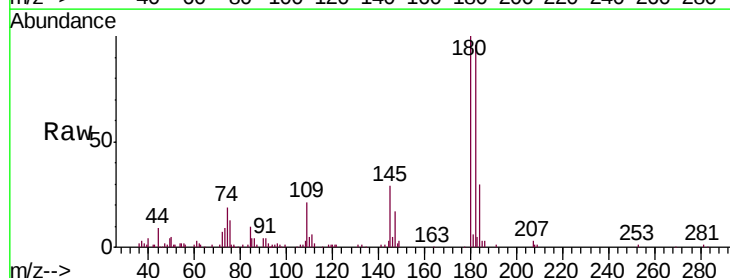


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 3.816 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013302.D
 Acq: 23 Oct 2019 17:52

Tgt Ion:180 Resp: 44869
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.0 115.6
 145 28.8 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

