

Data File : VW011764.D
Acq On : 08 Aug 2019 09:58
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Aug 09 02:14:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 08 18:45:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	397641	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	352586	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171048	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	123629	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.32%
7) Chloroethane-d5	2.89	69	98567	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
10) 1,1-Dichloroethene-d2	4.02	63	316430	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.60%
20) 2-Butanone-d5	7.07	46	114144	45.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.54%
24) Chloroform-d	7.65	84	278530	25.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.04%
26) 1,2-Dichloroethane-d4	8.30	65	162613	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.64%
29) Benzene-d6	8.27	84	549912	24.80	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.20%
33) 1,2-Dichloropropane-d6	9.27	67	181586	25.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.48%
37) Toluene-d8	10.32	98	491914	25.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.00%
38) trans-1,3-Dichloropropene-	10.58	79	76615	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.68%
39) 2-Hexanone-d5	10.92	63	75511	45.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138679	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	160698	24.38	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	116472	26.135 ug/L	99
3) Chloromethane	2.21	50	143633	24.778 ug/L	100
5) Vinyl chloride	2.36	62	195030	26.370 ug/L	100
6) Bromomethane	2.78	94	92106	26.416 ug/L	98
8) Chloroethane	2.92	64	105621	27.306 ug/L	97
9) Trichlorofluoromethane	3.26	101	108908	28.907 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	155418	27.210 ug/L	97
12) 1,1-Dichloroethene	4.04	96	151041	26.447 ug/L	95
13) Acetone	4.12	43	133130	49.304 ug/L	98
14) Carbon disulfide	4.38	76	475251	25.550 ug/L	100
15) Methyl Acetate	4.67	43	100637	22.795 ug/L	100
16) Methylene chloride	4.92	84	161281	25.991 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	247889	26.064 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	157729	26.731 ug/L	97
19) 1,1-Dichloroethane	6.21	63	324037	27.490 ug/L	99
21) 2-Butanone	7.16	43	155513	45.936 ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	168508	27.297 ug/L	97

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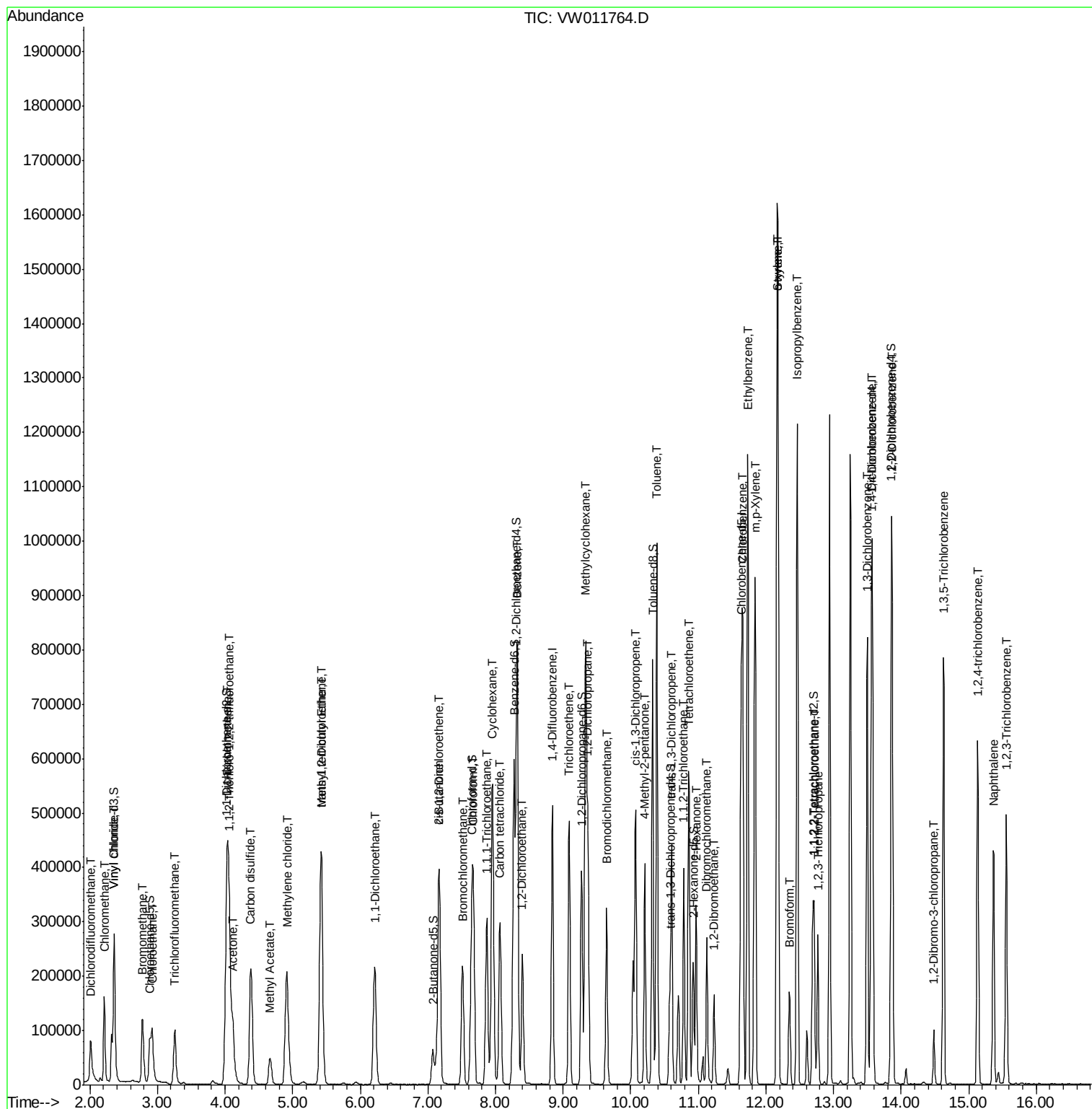
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69133	26.321	ug/L	99
25) Chloroform	7.68	83	297684	27.400	ug/L	99
27) 1,2-Dichloroethane	8.40	62	218425	27.158	ug/L	98
30) Cyclohexane	7.96	56	326972	26.678	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	241304	28.087	ug/L	98
32) Carbon tetrachloride	8.07	117	223339	27.633	ug/L	100
34) Benzene	8.32	78	676576	27.383	ug/L	100
35) Trichloroethene	9.09	95	172408	27.486	ug/L	99
36) Methylcyclohexane	9.34	83	302482	26.582	ug/L	100
40) 1,2-Dichloropropane	9.37	63	180652	27.391	ug/L	100
41) Bromodichloromethane	9.65	83	215704	27.715	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	276454	28.024	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	287957	48.188	ug/L	99
44) Toluene	10.39	91	697521	27.787	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	226378	27.581	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	116774	25.969	ug/L	98
47) Tetrachloroethene	10.86	164	130886	27.318	ug/L	94
49) 2-Hexanone	10.97	43	216285	46.978	ug/L	97
50) Dibromochloromethane	11.13	129	136380	27.516	ug/L	98
51) 1,2-Dibromoethane	11.24	107	112097	25.619	ug/L	99
52) Chlorobenzene	11.66	112	414764	27.386	ug/L	99
53) Ethylbenzene	11.73	91	787518	28.131	ug/L	99
54) m,p-Xylene	11.84	106	283782	27.878	ug/L	99
55) o-xylene	12.16	106	268954	28.074	ug/L	98
56) Styrene	12.18	104	464290	28.506	ug/L	98
57) Isopropylbenzene	12.46	105	738326	28.014	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	147402	24.667	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	111464	24.185	ug/L	98
62) Bromoform	12.35	173	77207	25.229	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	314067	27.053	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	312226	26.781	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	282336	26.857	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24993	22.971	ug/L	100
67) 1,3,5-Trichlorobenzene	14.63	180	233644	27.343	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	190665	27.706	ug/L	99
69) Naphthalene	15.36	128	354726	25.597	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	169678	26.622	ug/L	98

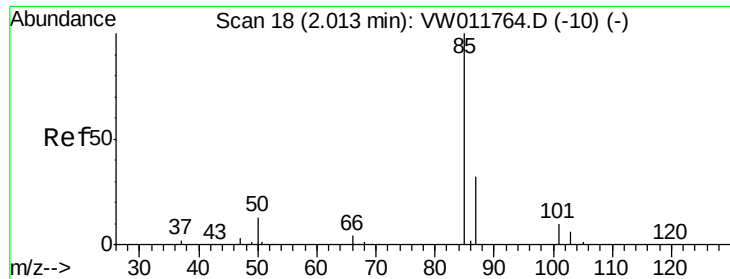
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.135 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

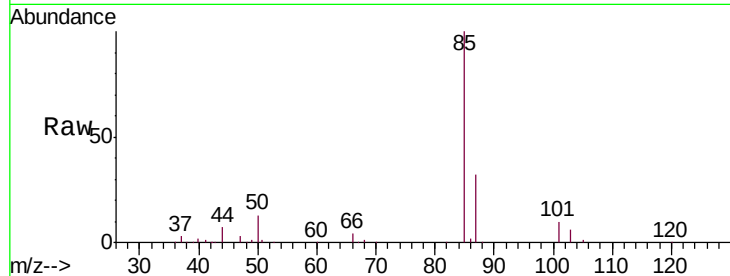
VSTD02508

Tgt Ion: 85 Resp: 116472

Ion Ratio Lower Upper

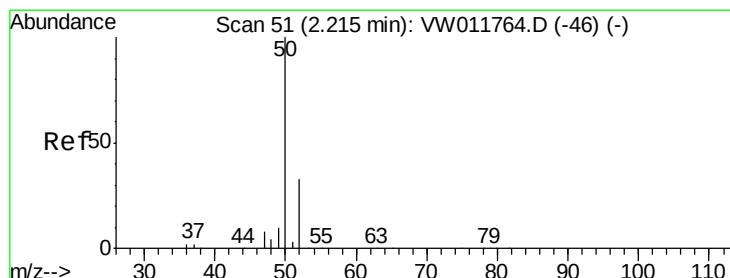
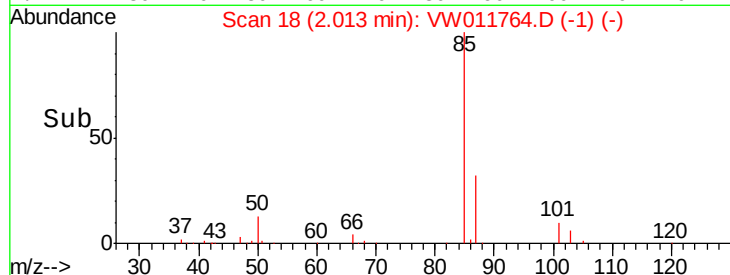
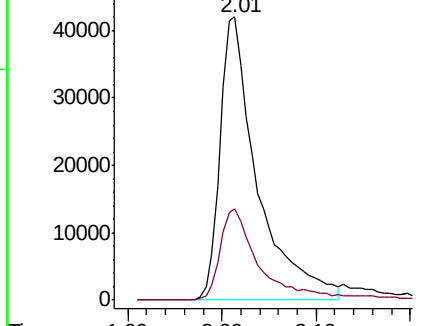
85 100

87 30.6 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.778 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW011764.D

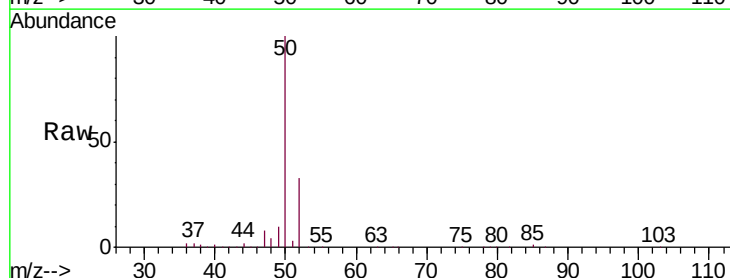
Acq: 08 Aug 2019 09:58

Tgt Ion: 50 Resp: 143633

Ion Ratio Lower Upper

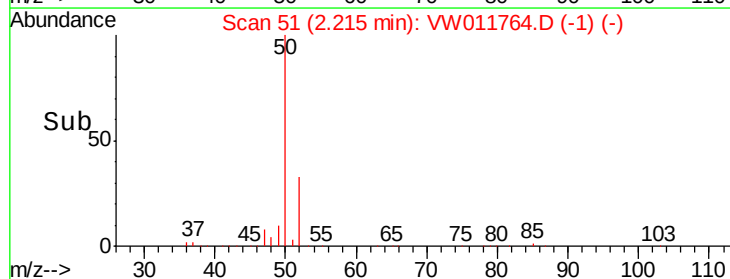
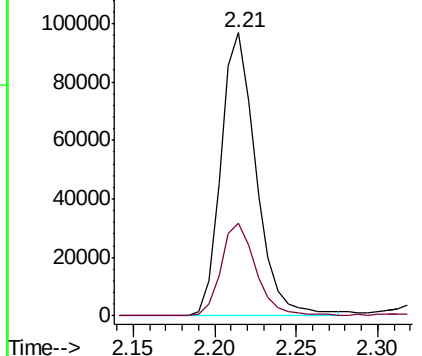
50 100

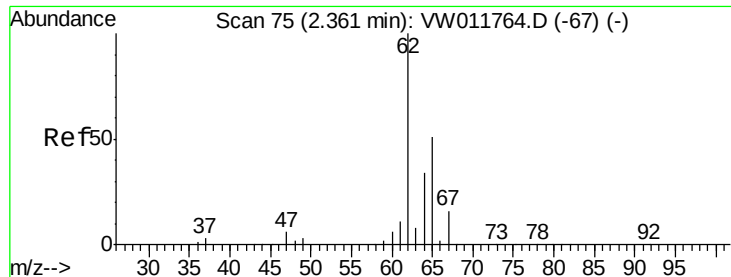
52 32.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.370 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampled :

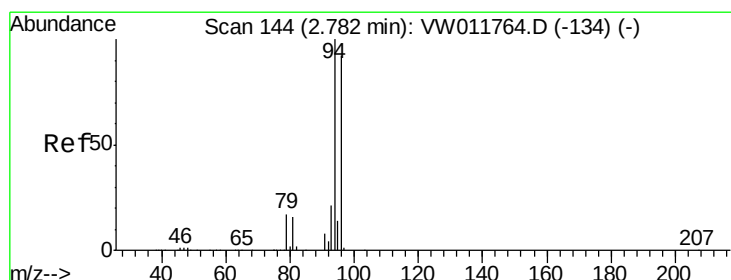
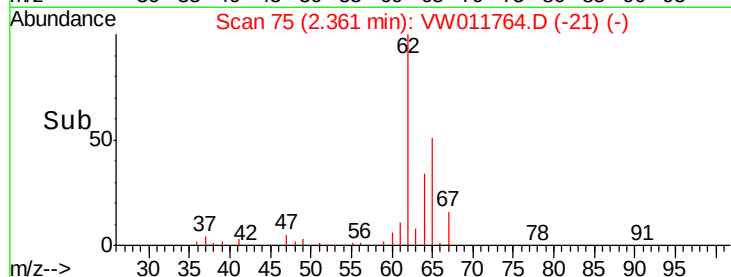
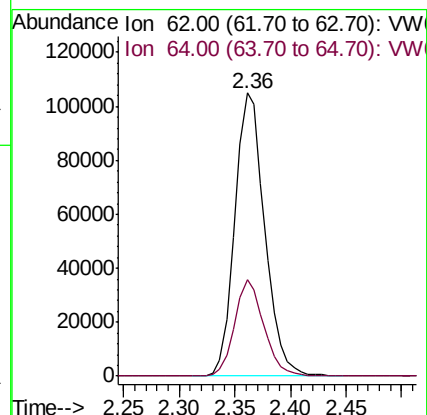
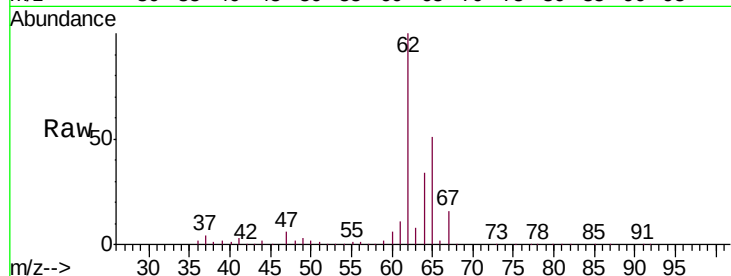
VSTD02508

Tgt Ion: 62 Resp: 195030

Ion Ratio Lower Upper

62 100

64 34.0 23.6 43.8



#6

Bromomethane

Concen: 26.416 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW011764.D

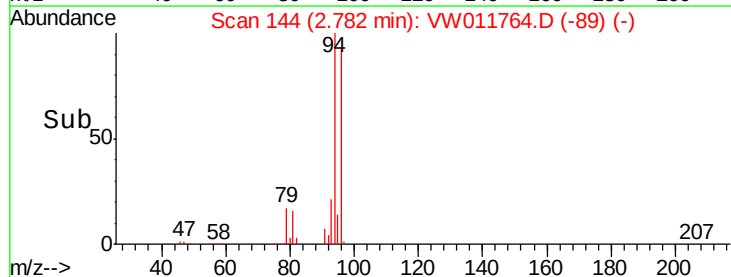
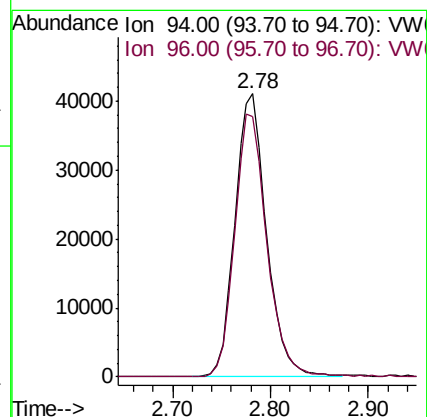
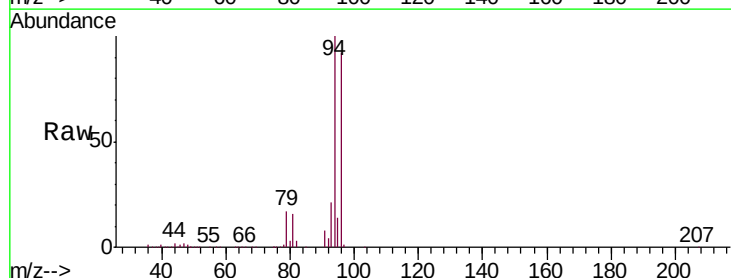
Acq: 08 Aug 2019 09:58

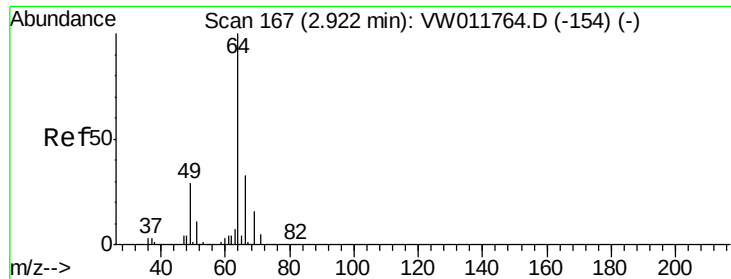
Tgt Ion: 94 Resp: 92106

Ion Ratio Lower Upper

94 100

96 94.7 9.3 175.9

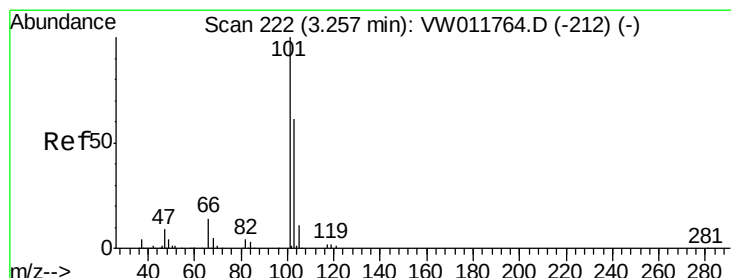
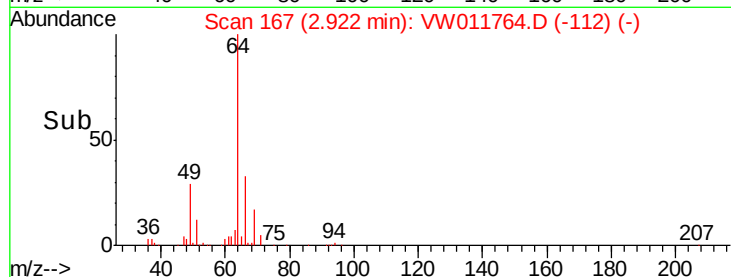
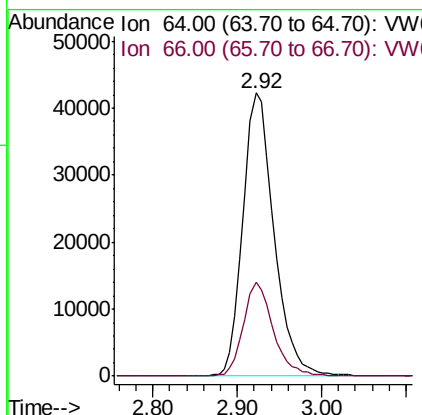
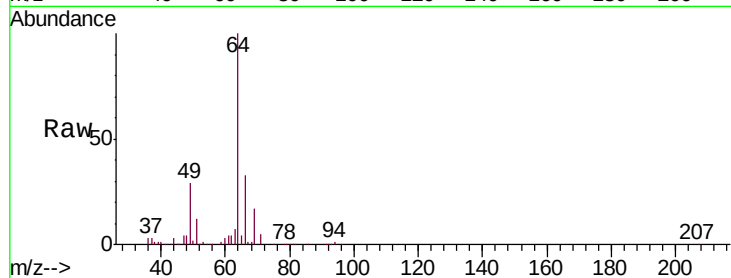




#8
Chloroethane
Concen: 27.306 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.01 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

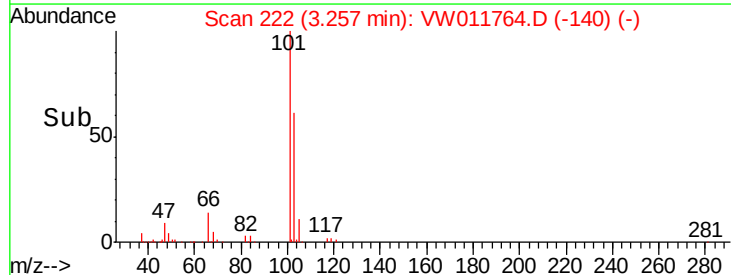
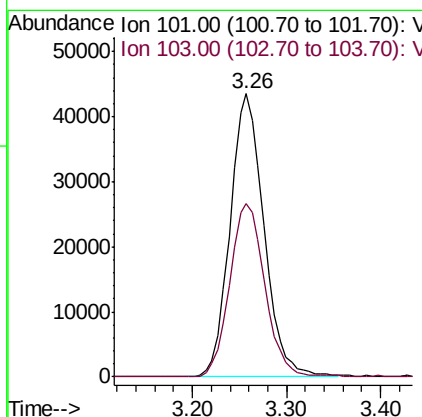
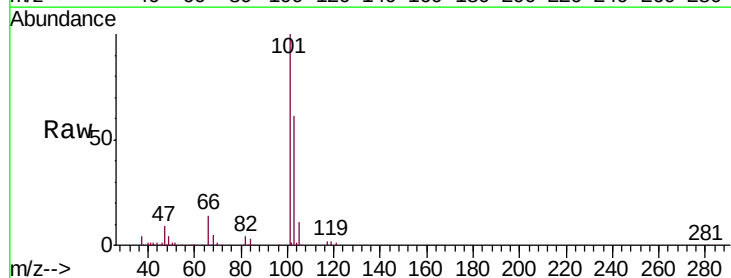
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

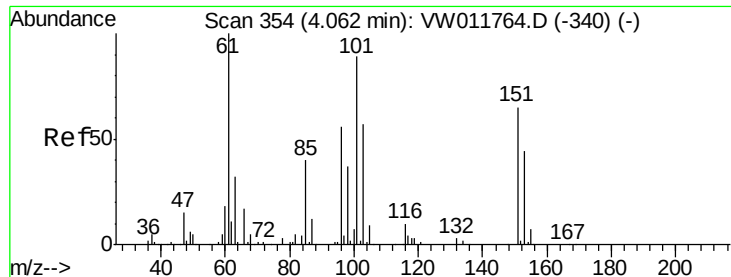
Tgt Ion: 64 Resp: 105621
Ion Ratio Lower Upper
64 100
66 33.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 28.907 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

Tgt Ion: 101 Resp: 108908
Ion Ratio Lower Upper
101 100
103 63.1 44.3 82.3





#11

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

Concen: 27.210 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

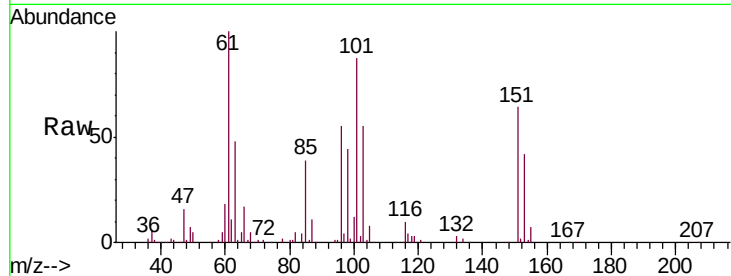
Tgt Ion:101 Resp: 155418

Ion Ratio Lower Upper

101 100

85 44.3 37.0 55.4

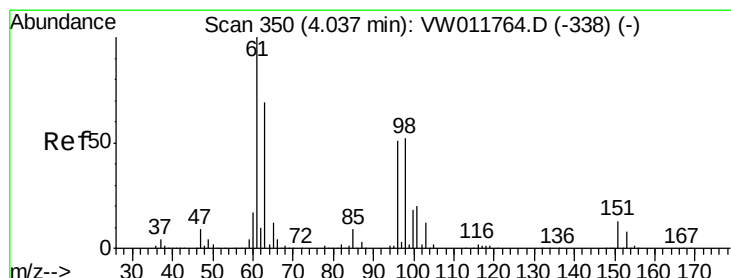
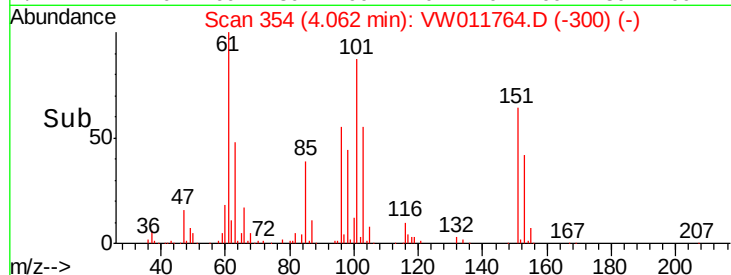
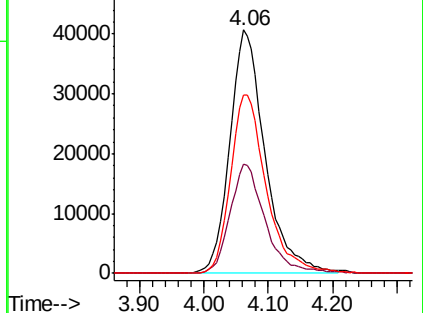
151 74.0 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.447 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

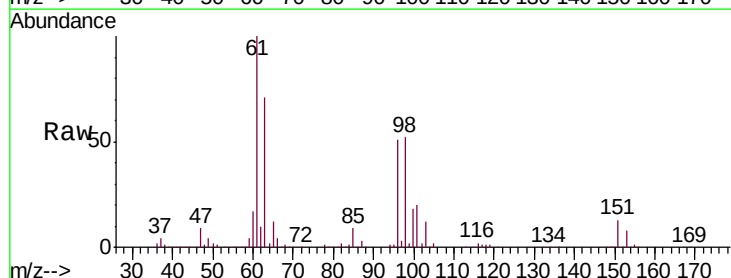
Tgt Ion: 96 Resp: 151041

Ion Ratio Lower Upper

96 100

61 196.3 135.0 250.8

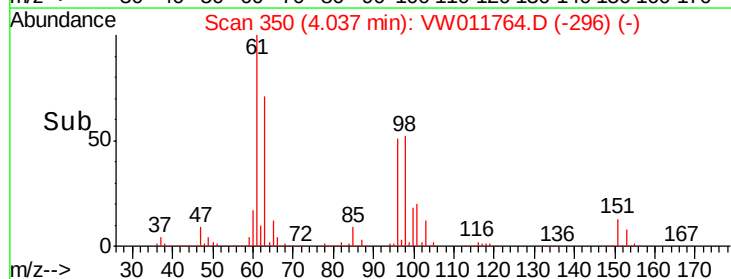
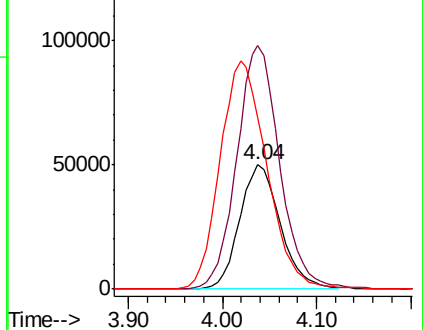
63 138.7 89.2 165.8

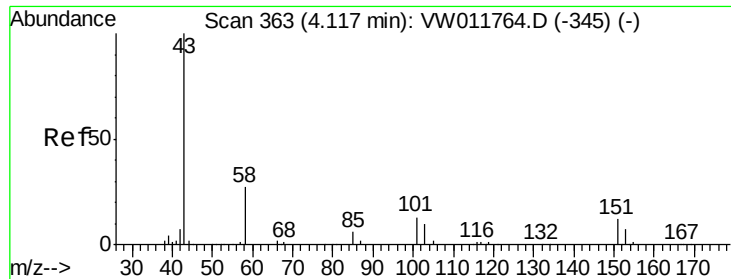


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.304 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampled :

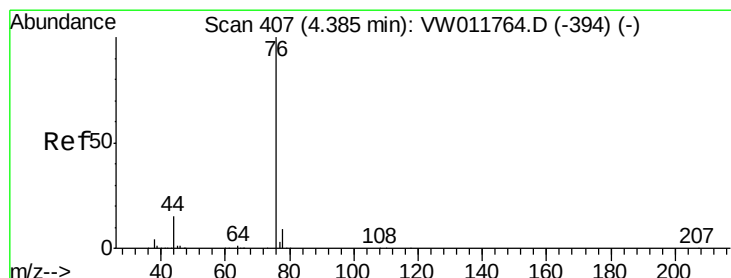
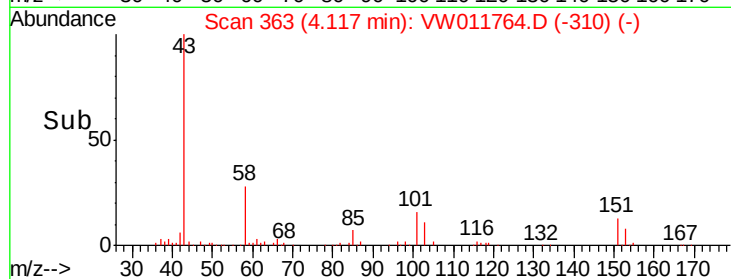
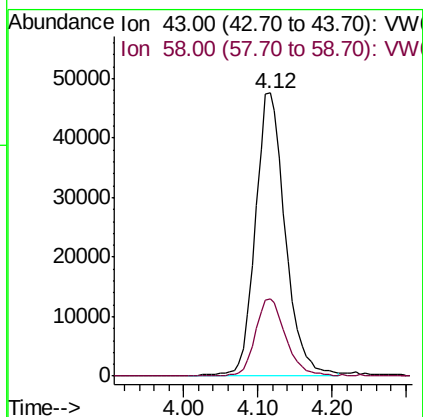
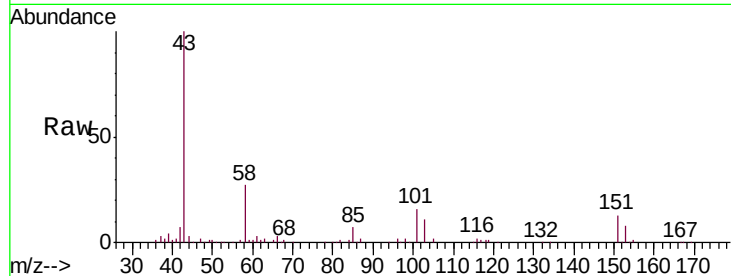
VSTD02508

Tgt Ion: 43 Resp: 133130

Ion Ratio Lower Upper

43 100

58 27.7 0.0 53.4



#14

Carbon disulfide

Concen: 25.550 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011764.D

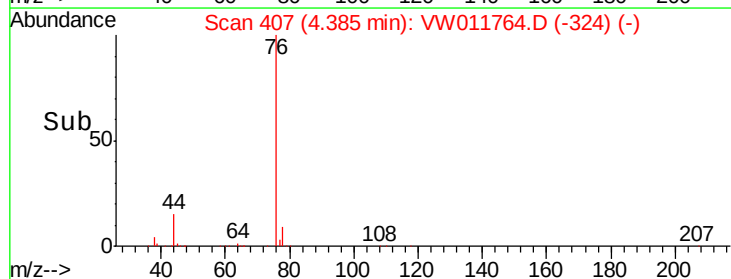
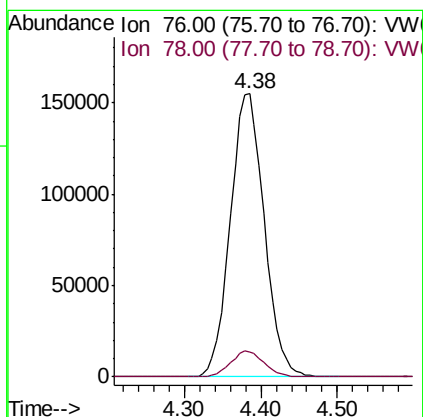
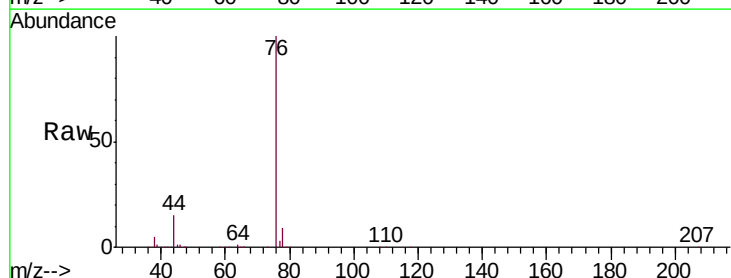
Acq: 08 Aug 2019 09:58

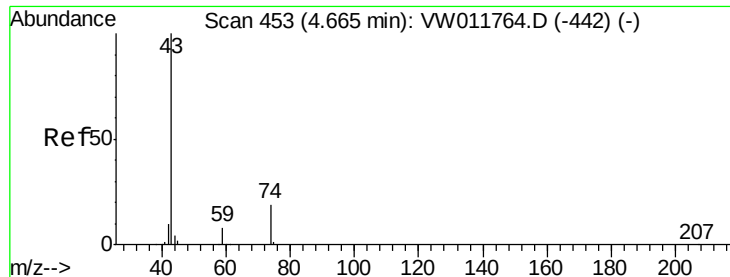
Tgt Ion: 76 Resp: 475251

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6





#15

Methyl Acetate

Concen: 22.795 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

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MSVOA_W

ClientSampleId :

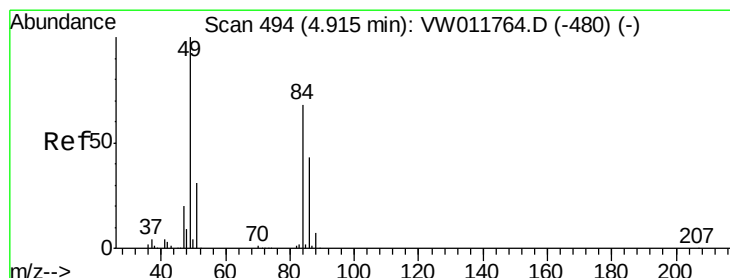
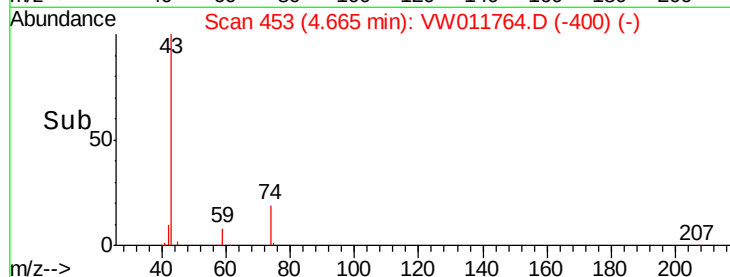
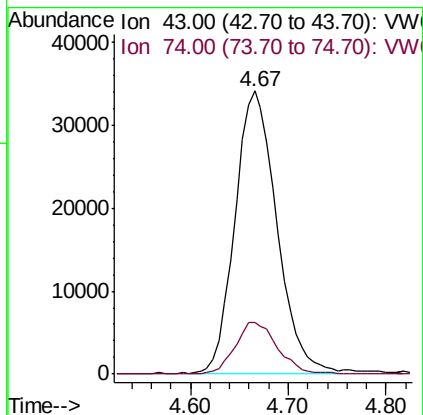
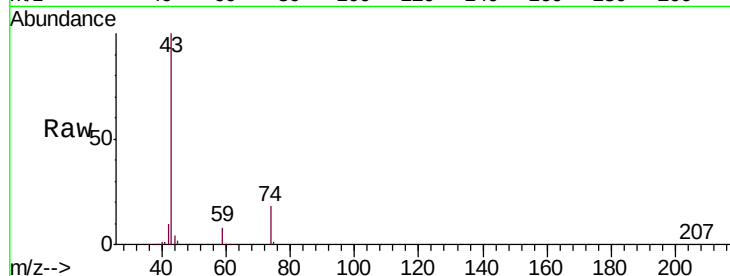
VSTD02508

Tgt Ion: 43 Resp: 100637

Ion Ratio Lower Upper

43 100

74 18.8 15.0 22.4



#16

Methylene chloride

Concen: 25.991 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

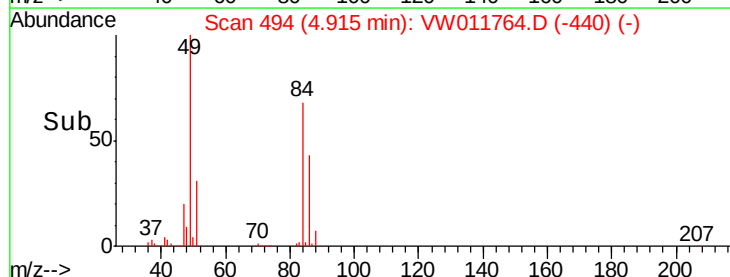
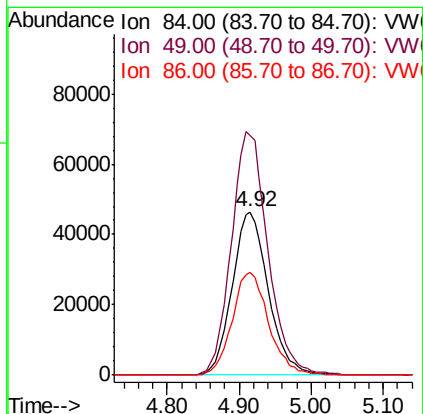
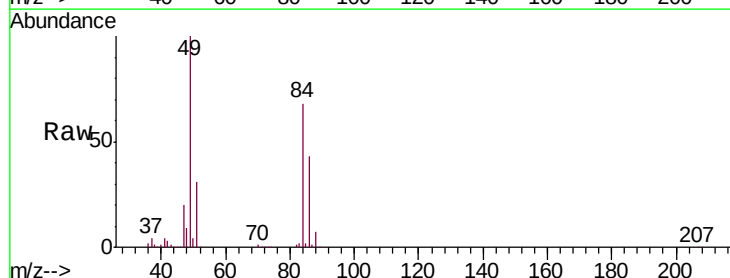
Tgt Ion: 84 Resp: 161281

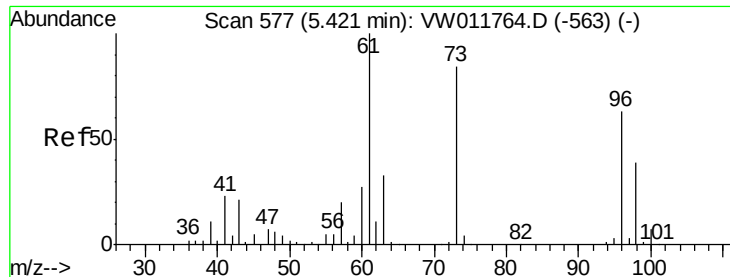
Ion Ratio Lower Upper

84 100

49 147.3 106.8 198.4

86 63.4 42.8 79.4

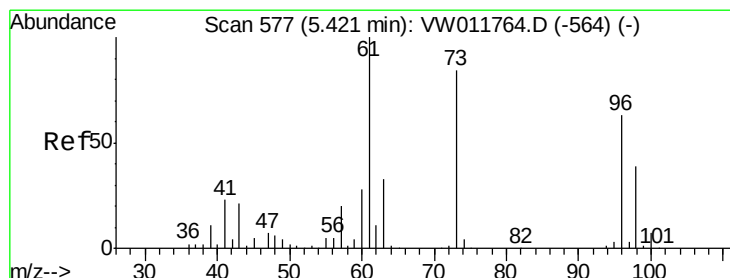
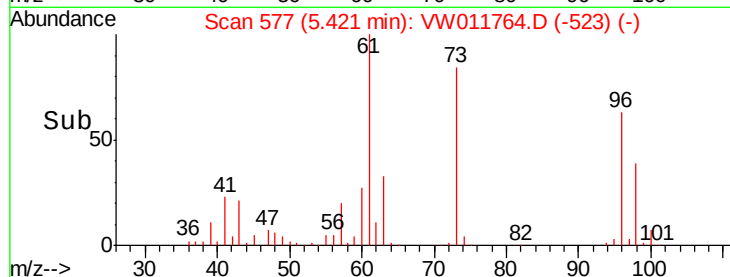
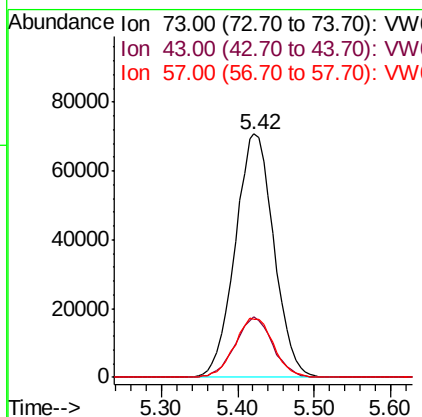
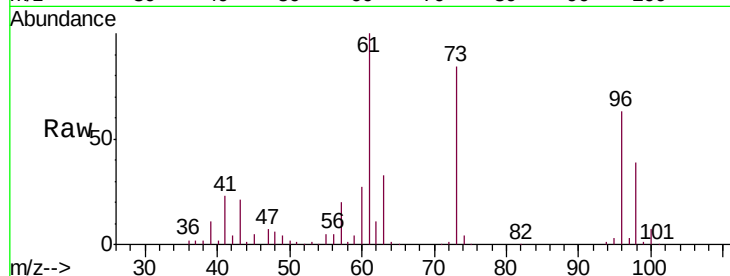




#17
Methyl tert-butyl Ether
Concen: 26.064 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

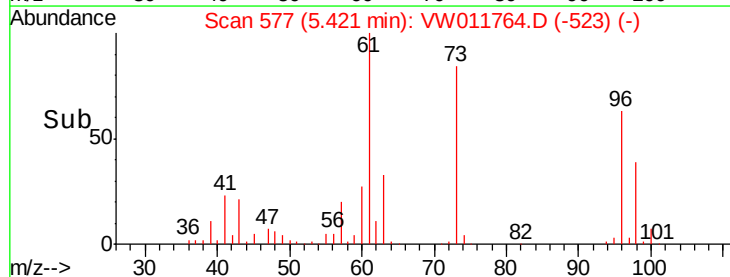
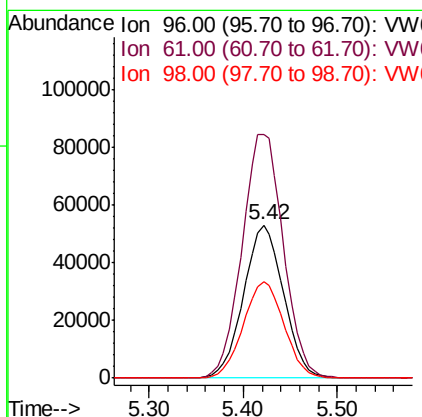
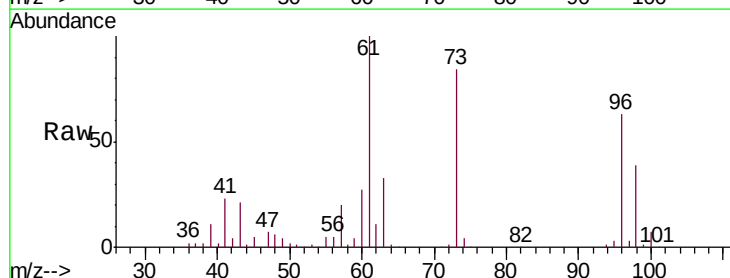
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

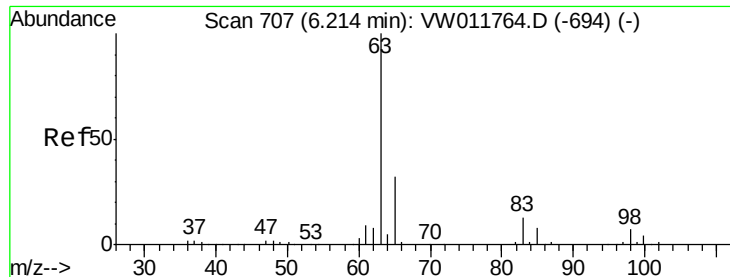
Tgt Ion: 73 Resp: 247889
Ion Ratio Lower Upper
73 100
43 24.0 19.3 28.9
57 24.5 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 26.731 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

Tgt Ion: 96 Resp: 157729
Ion Ratio Lower Upper
96 100
61 159.0 114.2 212.0
98 62.6 45.6 84.6

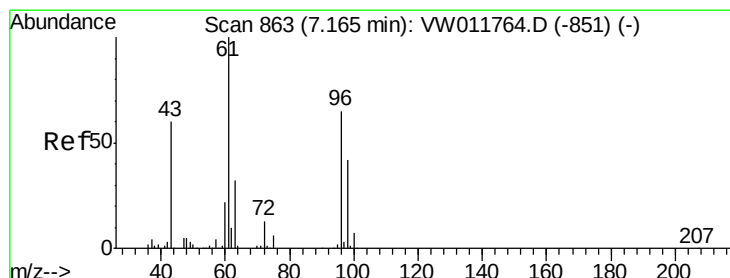
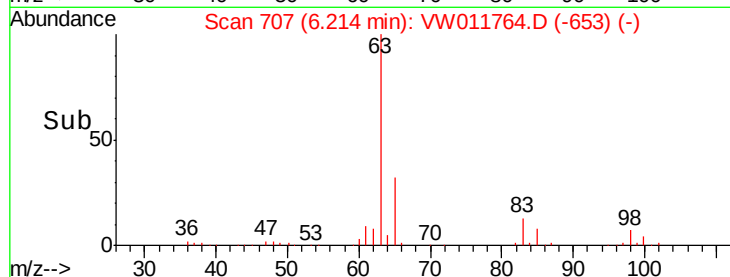
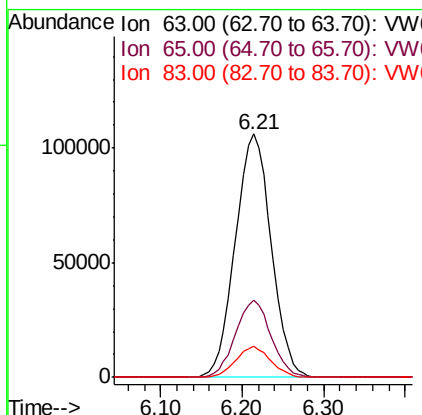
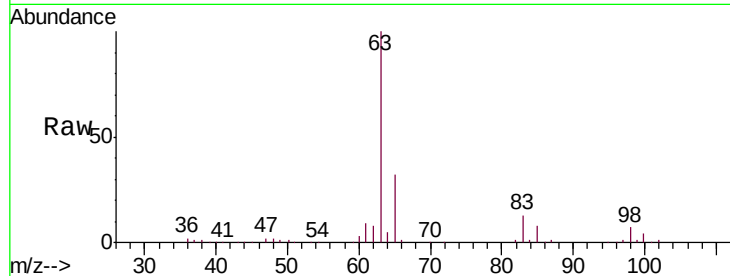




#19
 1,1-Dichloroethane
 Concen: 27.490 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

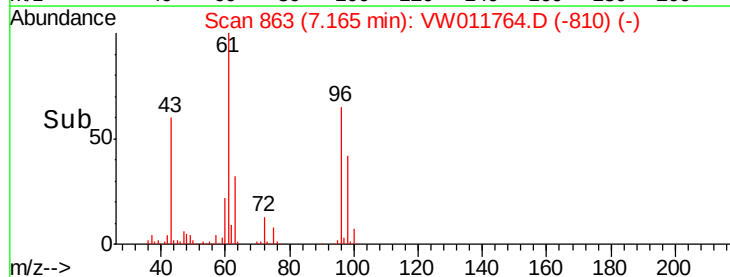
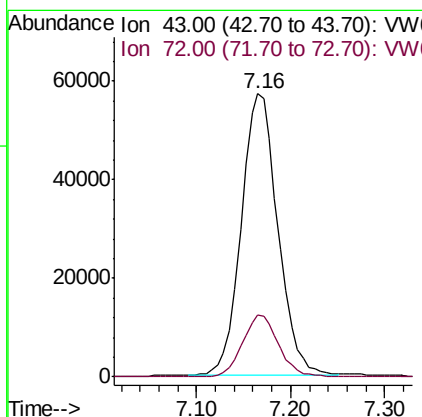
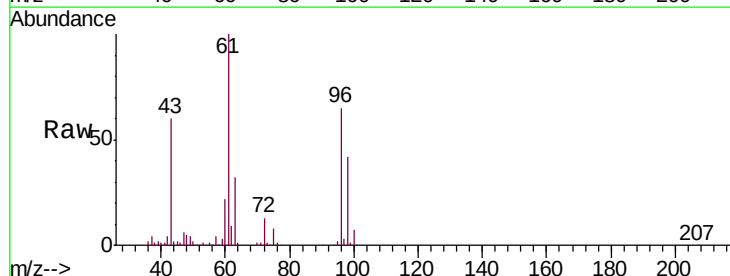
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

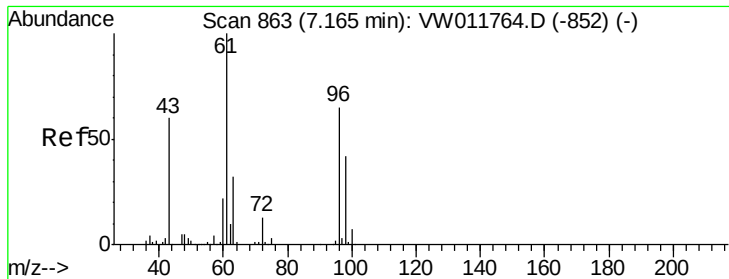
Tgt Ion: 63 Resp: 324037
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.7 40.3
 83 12.6 8.4 15.6



#21
 2-Butanone
 Concen: 45.936 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion: 43 Resp: 155513
 Ion Ratio Lower Upper
 43 100
 72 21.6 10.7 32.1





#22

cis-1,2-Dichloroethene

Concen: 27.297 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

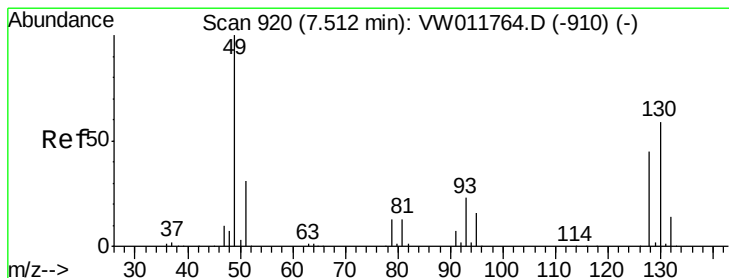
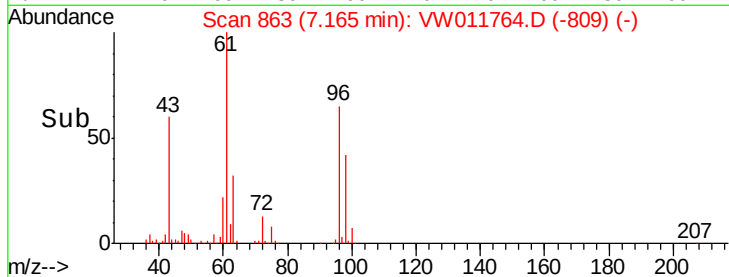
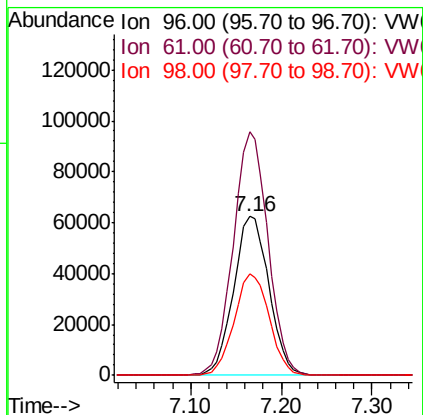
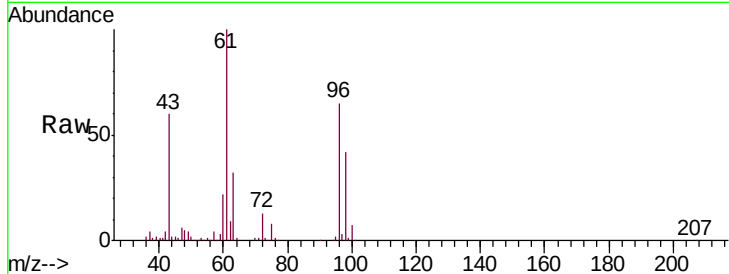
Tgt Ion: 96 Resp: 168508

Ion Ratio Lower Upper

96 100

61 153.3 103.9 192.9

98 64.1 43.5 80.9



#23

Bromochloromethane

Concen: 26.321 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Tgt Ion: 128 Resp: 69133

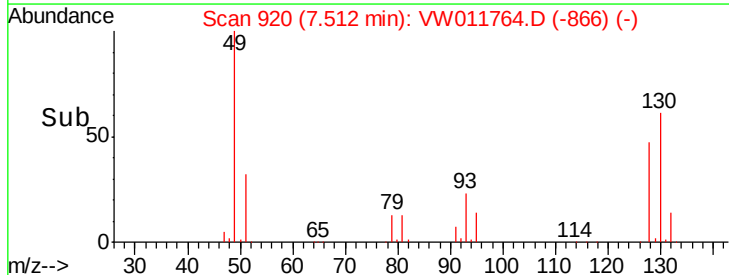
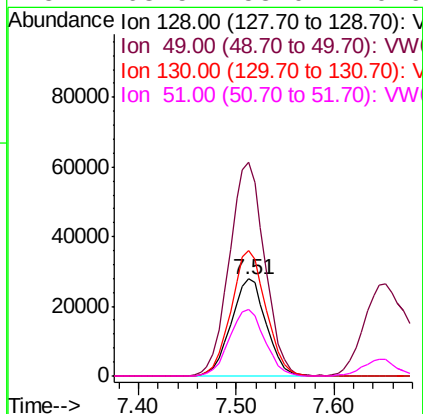
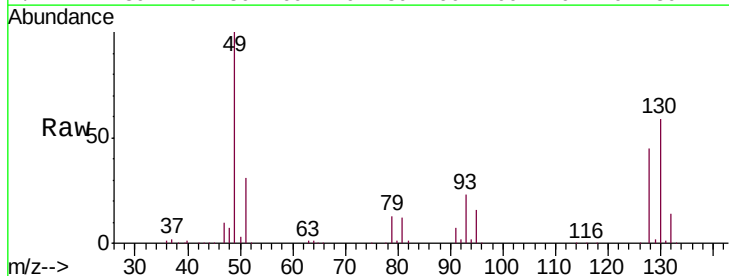
Ion Ratio Lower Upper

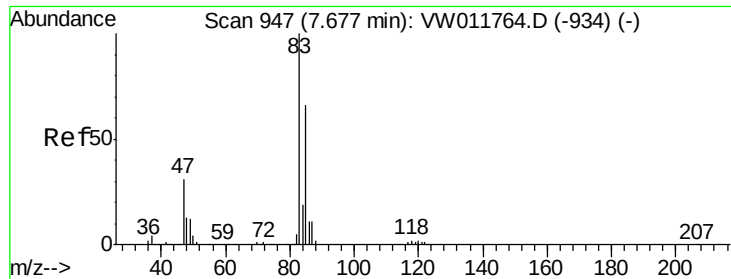
128 100

49 220.8 153.6 285.3

130 130.0 89.5 166.3

51 68.5 53.0 79.6

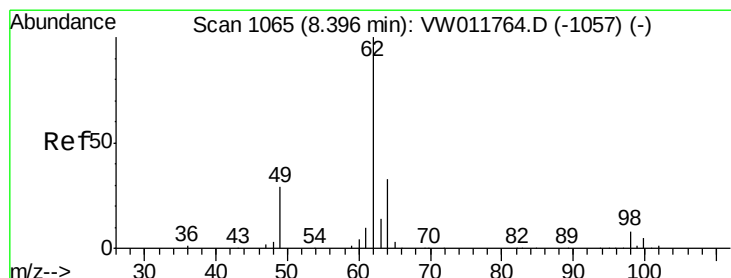
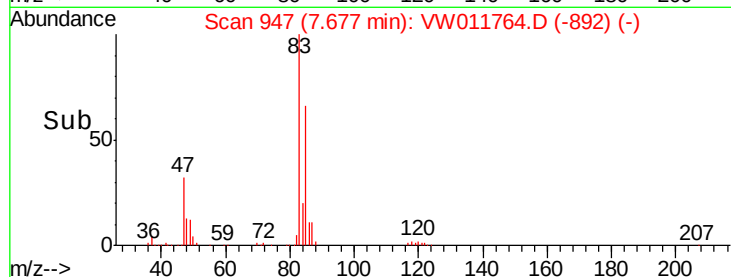
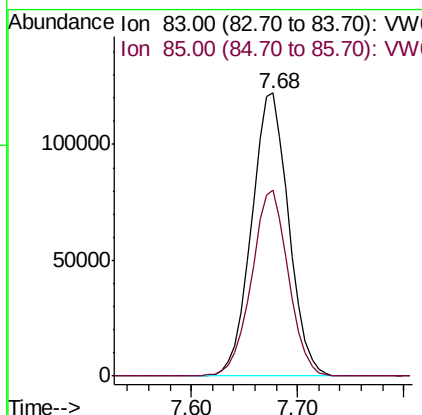
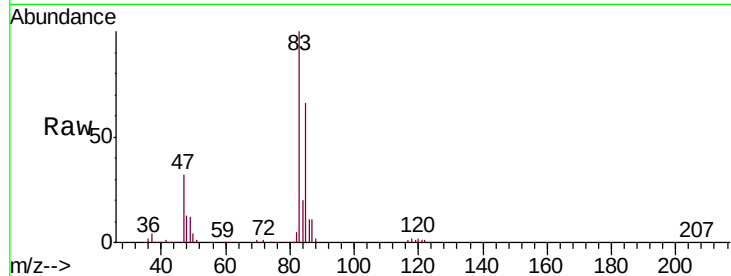




#25
Chloroform
Concen: 27.400 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

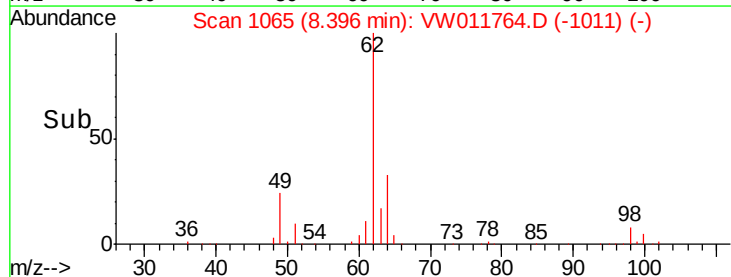
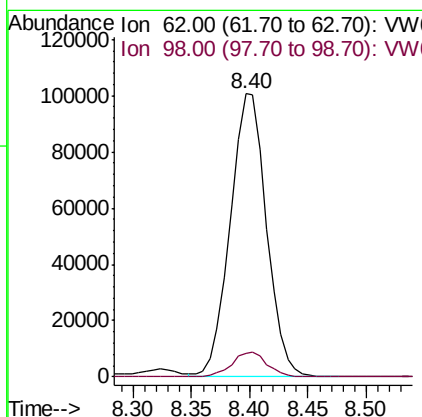
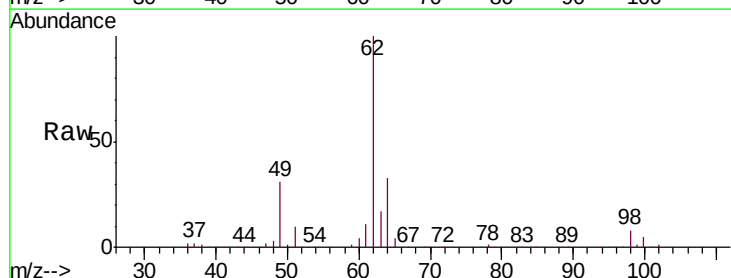
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

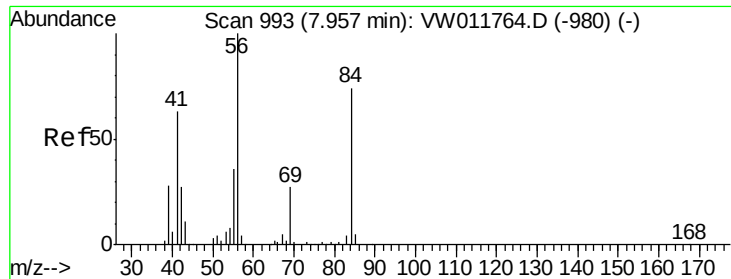
Tgt Ion: 83 Resp: 297684
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 27.158 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

Tgt Ion: 62 Resp: 218425
Ion Ratio Lower Upper
62 100
98 8.3 7.2 10.8

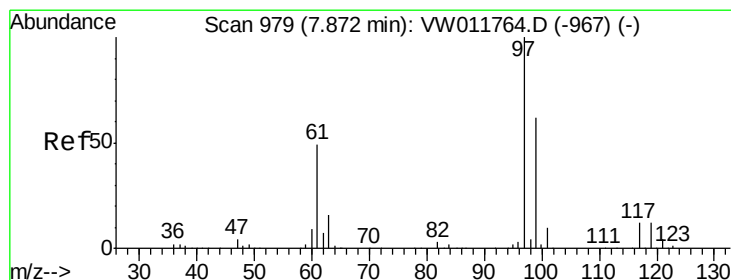
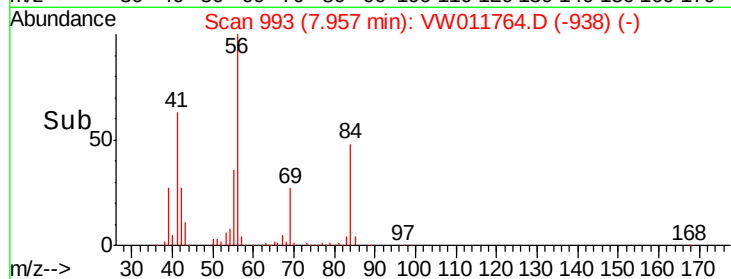
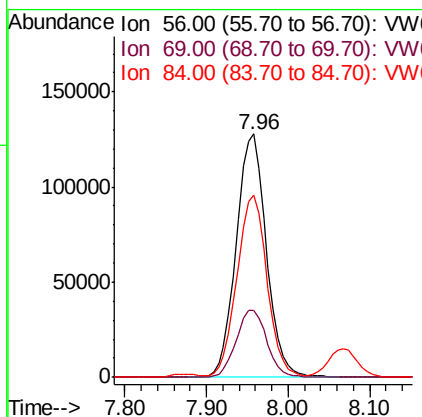
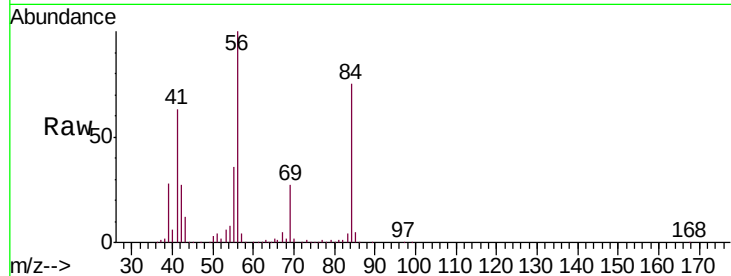




#30
Cyclohexane
Concen: 26.678 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

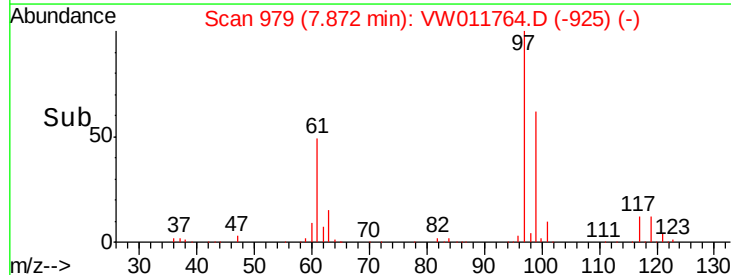
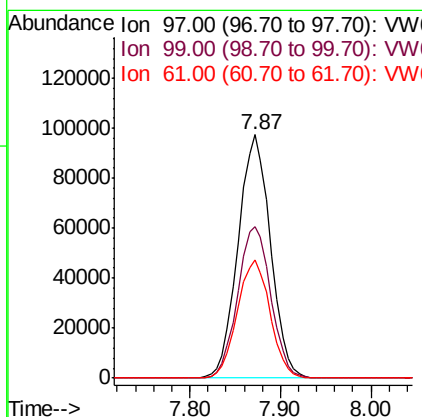
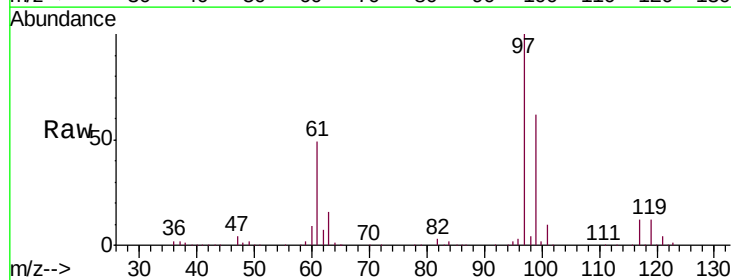
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

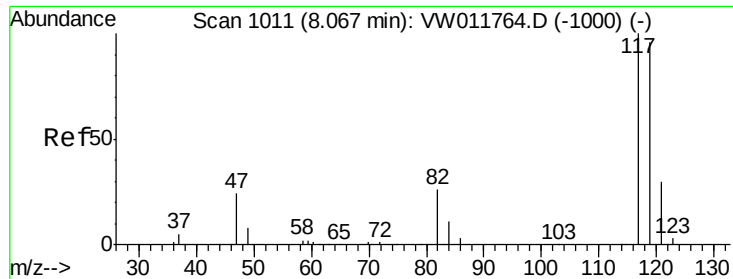
Tgt Ion: 56 Resp: 326972
Ion Ratio Lower Upper
56 100
69 28.2 22.4 33.6
84 75.1 60.6 91.0



#31
1,1,1-Trichloroethane
Concen: 28.087 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

Tgt Ion: 97 Resp: 241304
Ion Ratio Lower Upper
97 100
99 63.8 52.1 78.1
61 49.2 40.3 60.5





#32

Carbon tetrachloride

Concen: 27.633 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

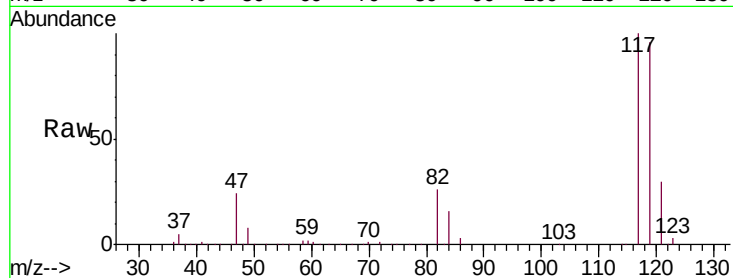
VSTD02508

Tgt Ion:117 Resp: 223339

Ion Ratio Lower Upper

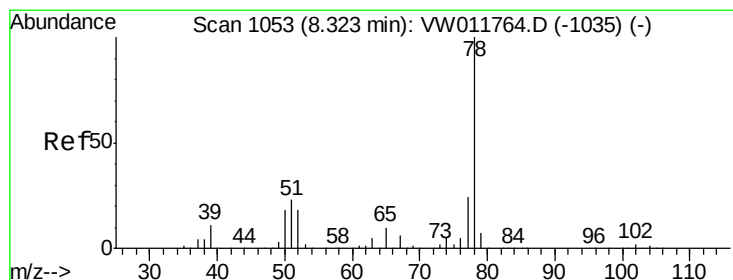
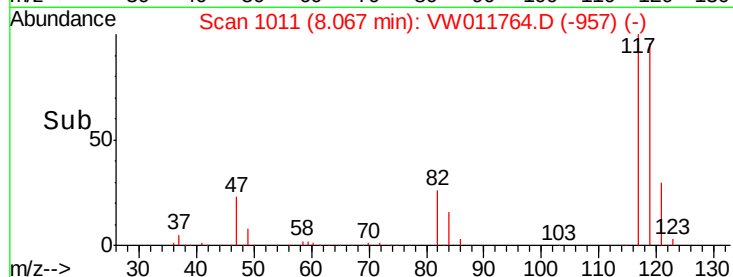
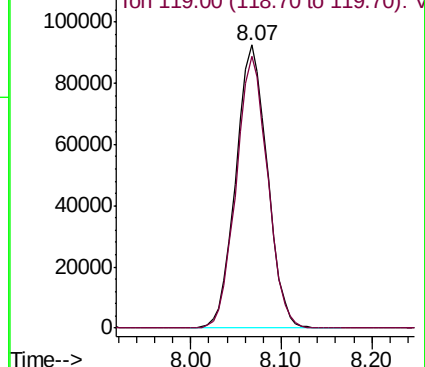
117 100

119 95.6 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.383 ug/L

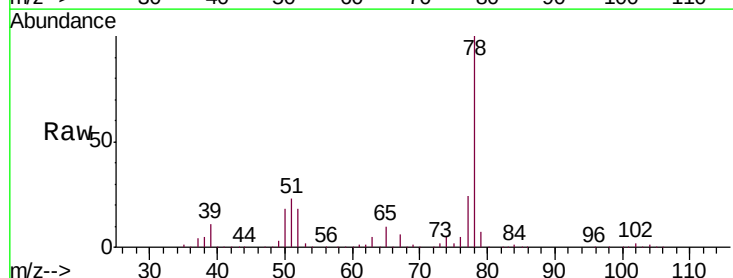
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

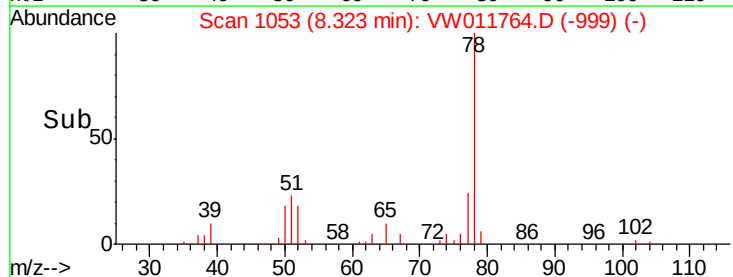
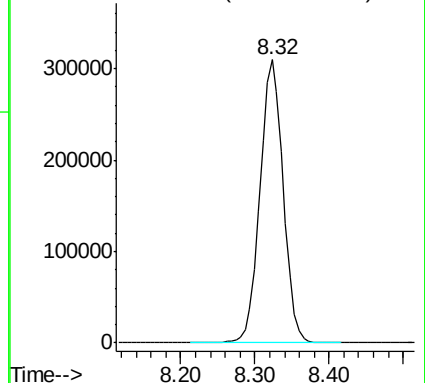
Lab File: VW011764.D

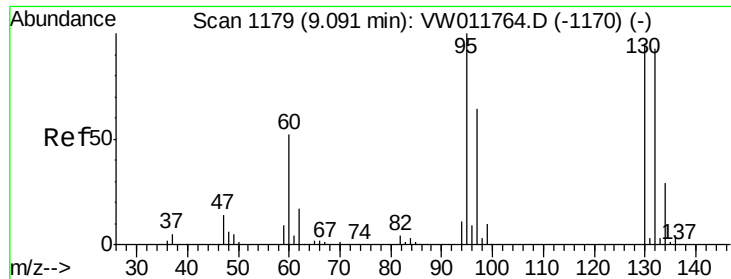
Acq: 08 Aug 2019 09:58

Tgt Ion: 78 Resp: 676576



Abundance Ion 78.00 (77.70 to 78.70): VW

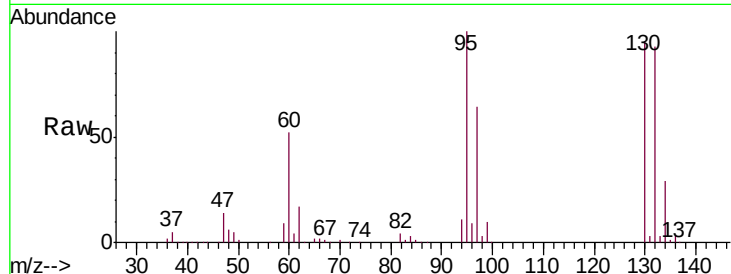




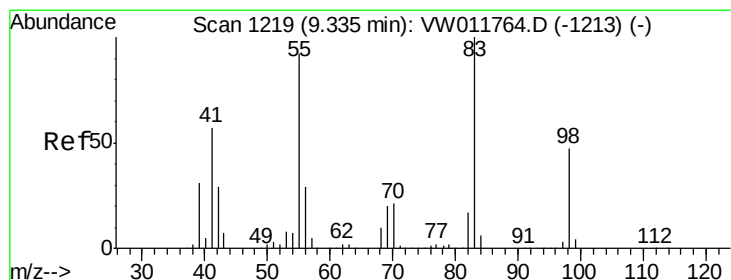
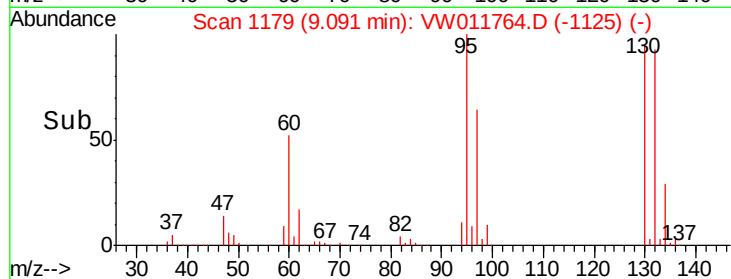
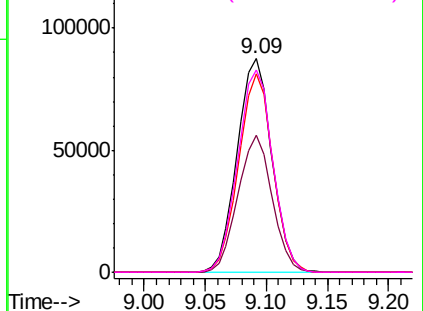
#35
 Trichloroethene
 Concen: 27.486 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:	95	Resp:	172408
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.8	83.2
132	91.4	65.0	120.6
130	95.5	68.0	126.4

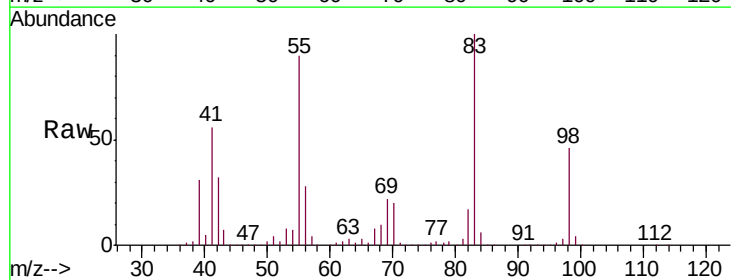


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

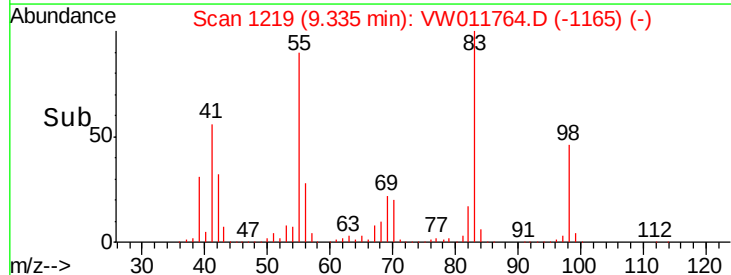
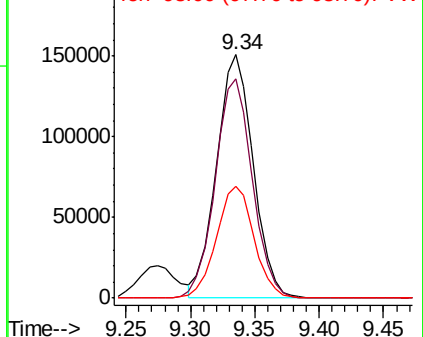


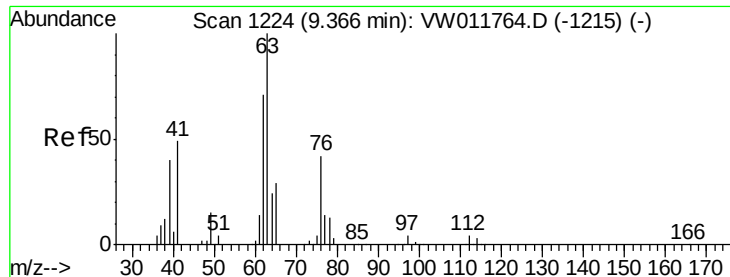
#36
 Methylcyclohexane
 Concen: 26.582 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion:	83	Resp:	302482
Ion	Ratio	Lower	Upper
83	100		
55	91.1	72.6	108.8
98	46.9	37.8	56.6



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

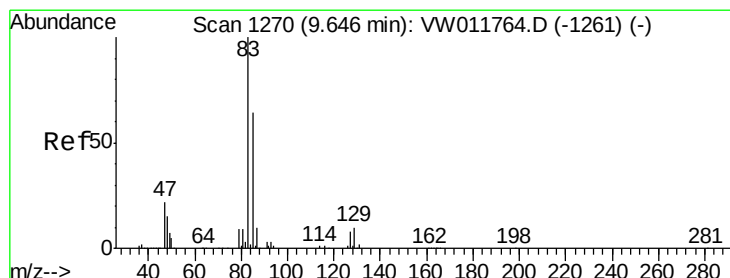
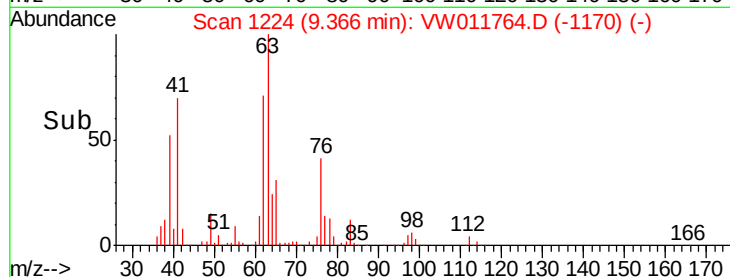
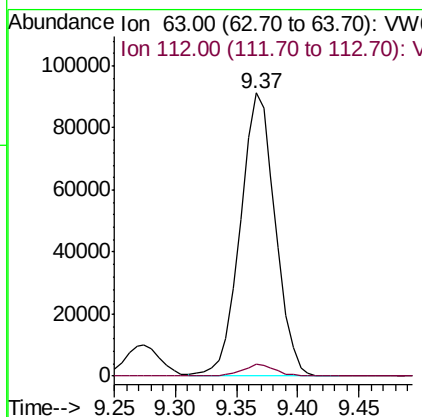
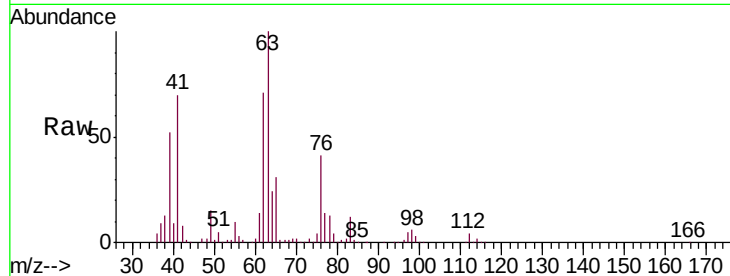




#40
 1,2-Dichloropropane
 Concen: 27.391 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

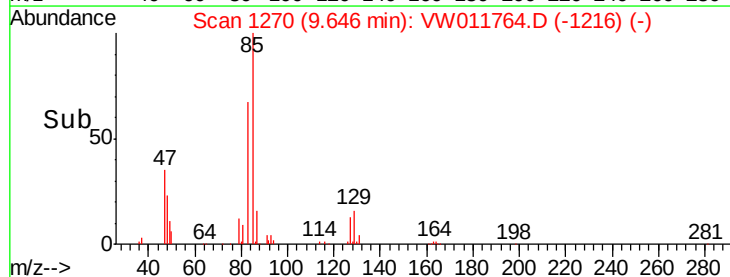
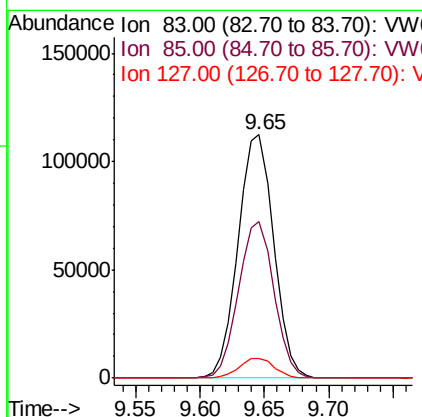
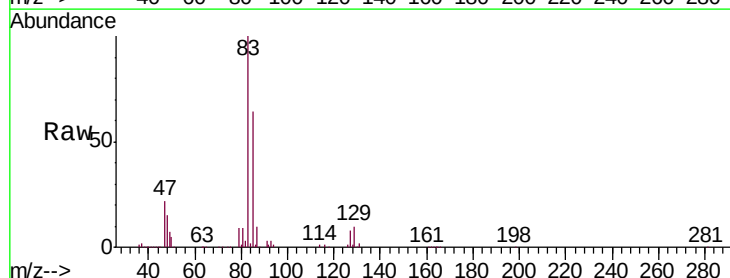
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

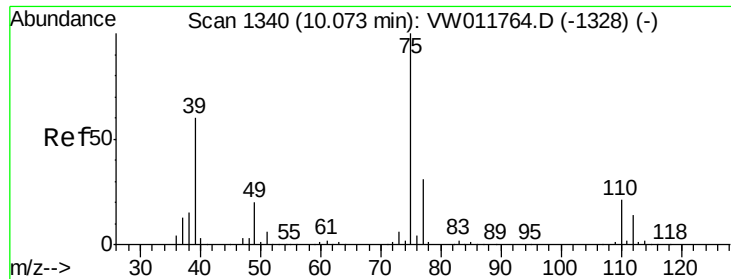
Tgt Ion: 63 Resp: 180652
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#41
 Bromodichloromethane
 Concen: 27.715 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion: 83 Resp: 215704
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.0 81.6
 127 8.2 6.5 9.7

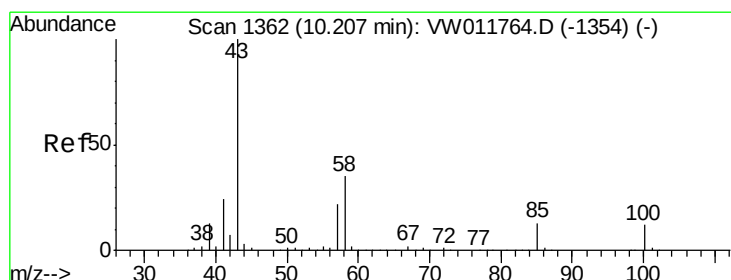
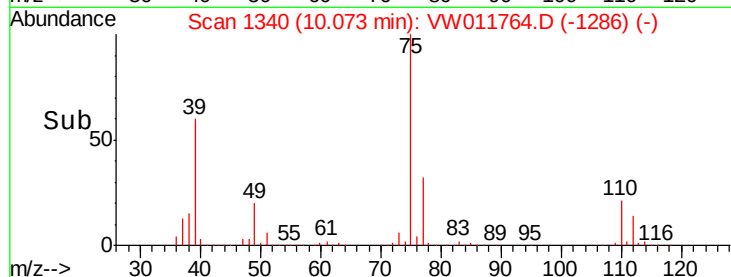
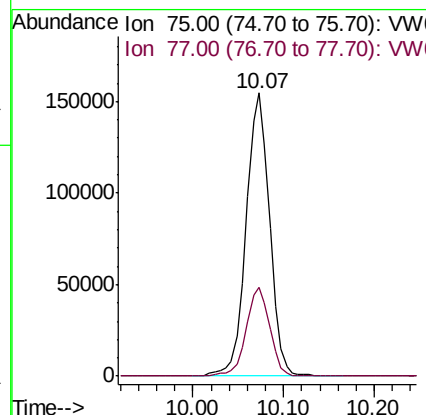
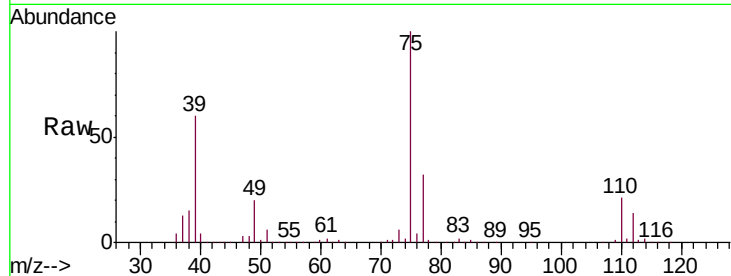




#42
 cis-1,3-Dichloropropene
 Concen: 28.024 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

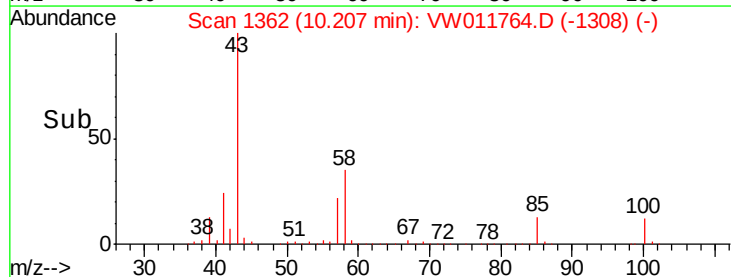
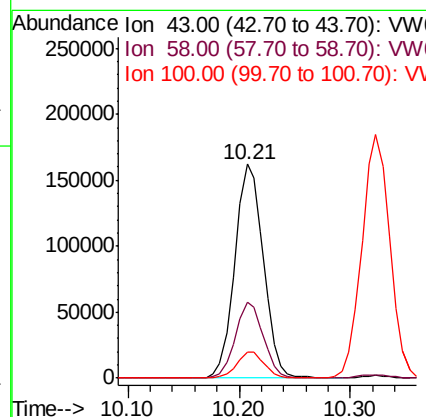
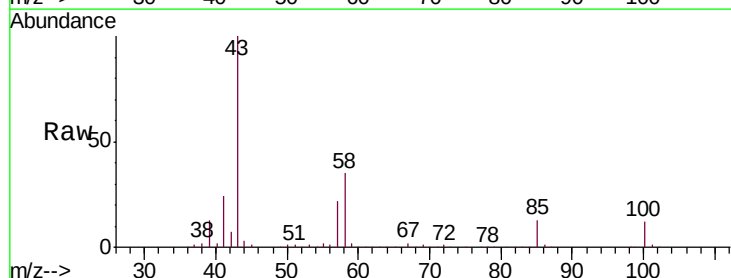
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

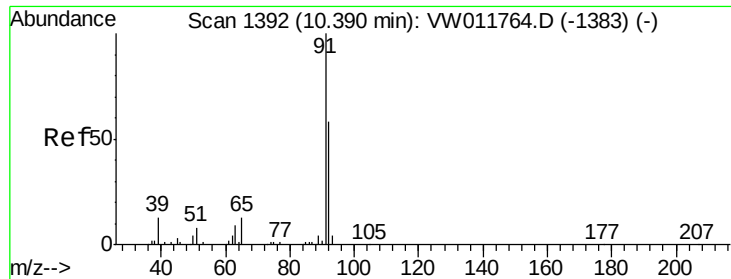
Tgt Ion: 75 Resp: 276454
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 48.188 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion: 43 Resp: 287957
 Ion Ratio Lower Upper
 43 100
 58 34.5 28.0 42.0
 100 11.8 9.4 14.2





#44

Toluene

Concen: 27.787 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

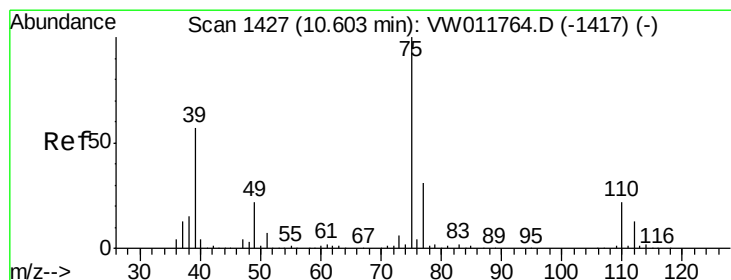
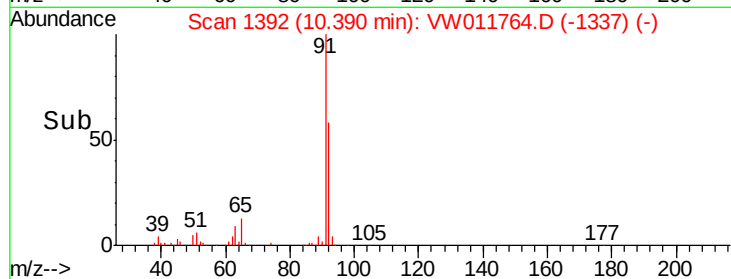
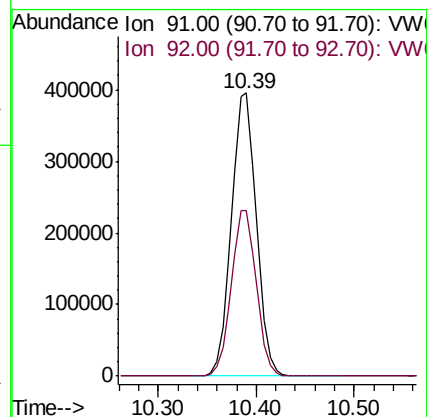
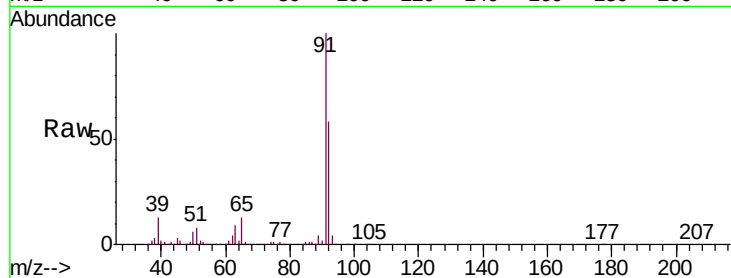
VSTD02508

Tgt Ion: 91 Resp: 697521

Ion Ratio Lower Upper

91 100

92 58.4 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 27.581 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011764.D

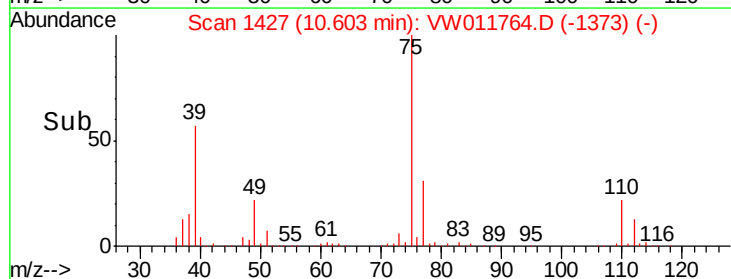
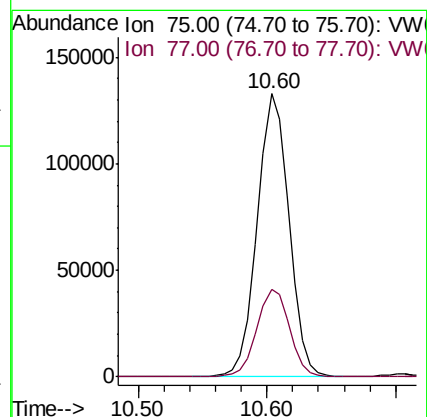
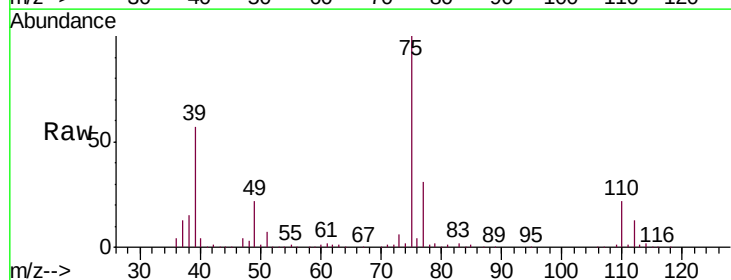
Acq: 08 Aug 2019 09:58

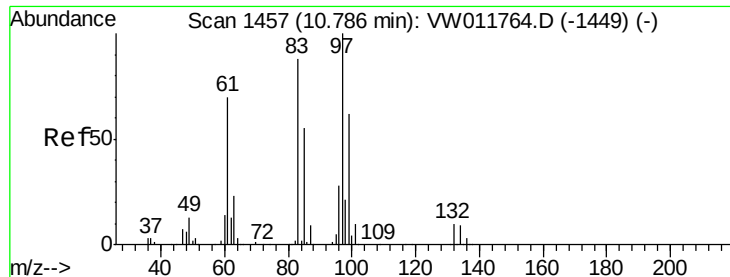
Tgt Ion: 75 Resp: 226378

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 25.969 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 97 Resp: 116774

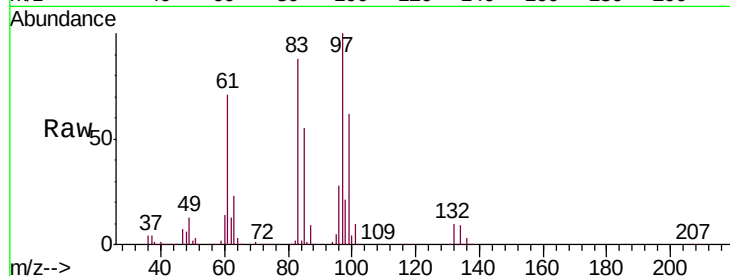
Ion Ratio Lower Upper

97 100

83 87.7 63.8 118.6

85 54.7 39.3 72.9

99 62.1 43.5 80.7

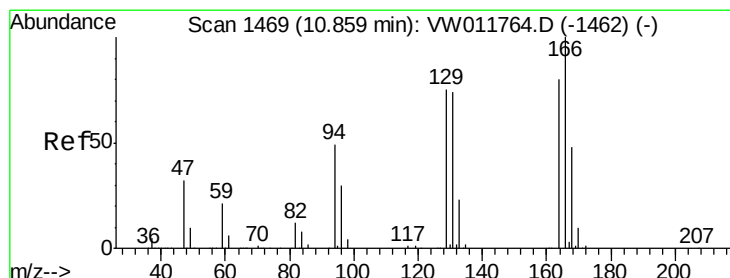
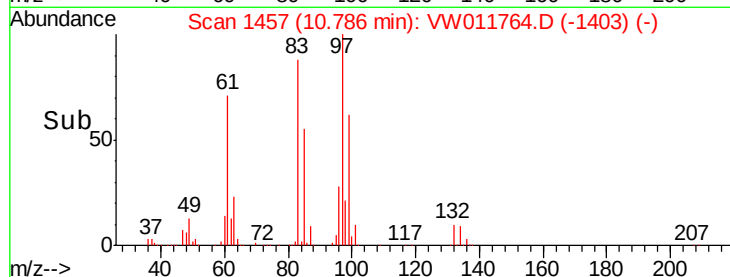
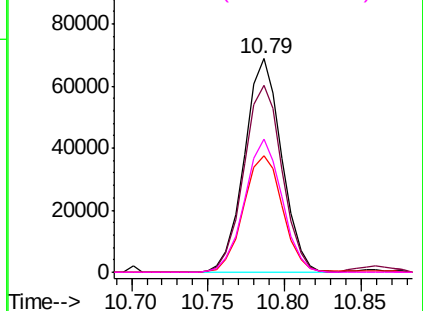


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.318 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Tgt Ion: 164 Resp: 130886

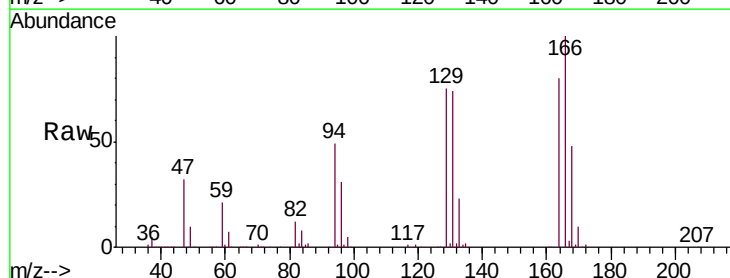
Ion Ratio Lower Upper

164 100

129 93.6 64.0 119.0

131 92.1 58.6 108.8

166 124.6 91.7 170.3

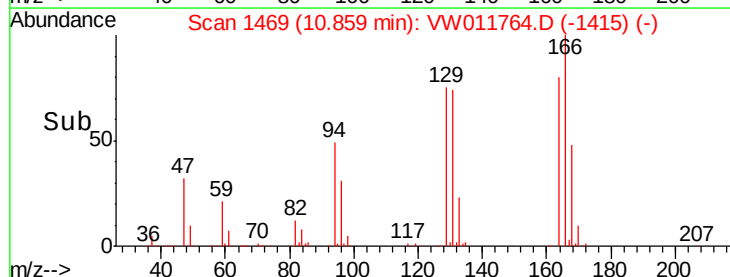
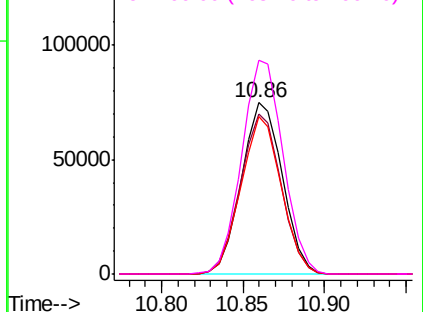


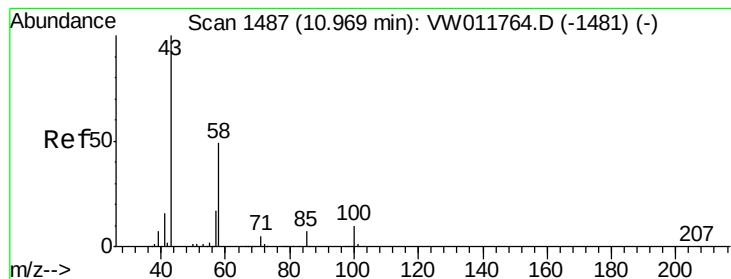
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 46.978 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 43 Resp: 216285

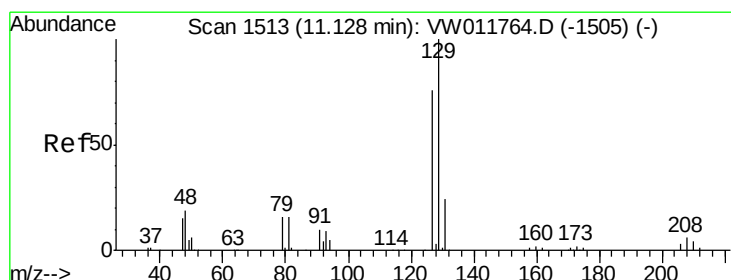
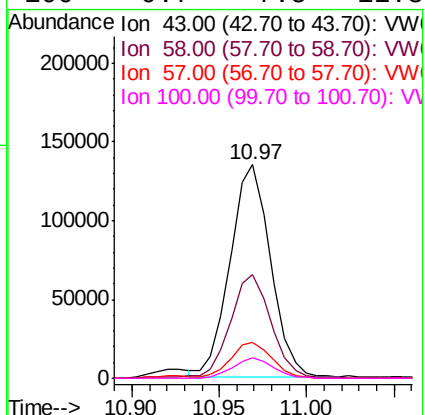
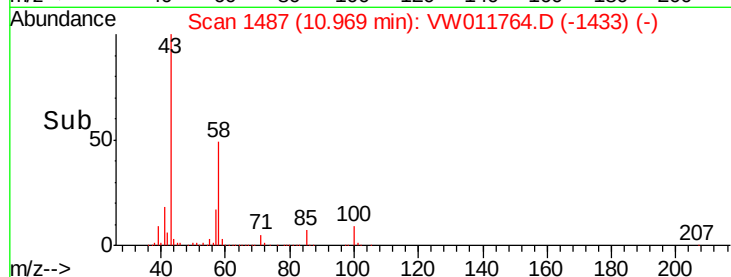
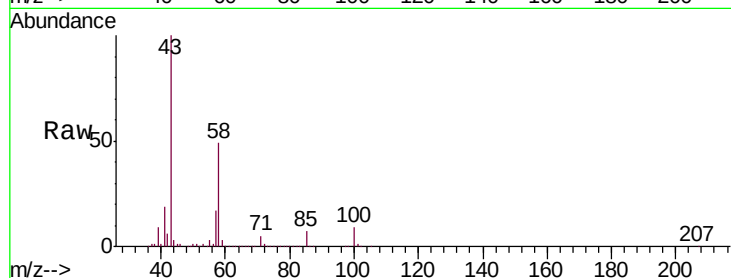
Ion Ratio Lower Upper

43 100

58 50.4 38.6 57.8

57 17.1 13.0 19.6

100 9.7 7.5 11.3



#50

Dibromochloromethane

Concen: 27.516 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011764.D

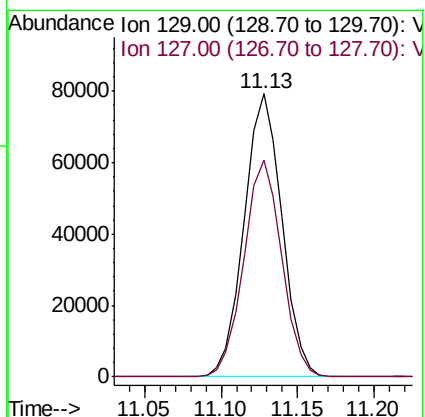
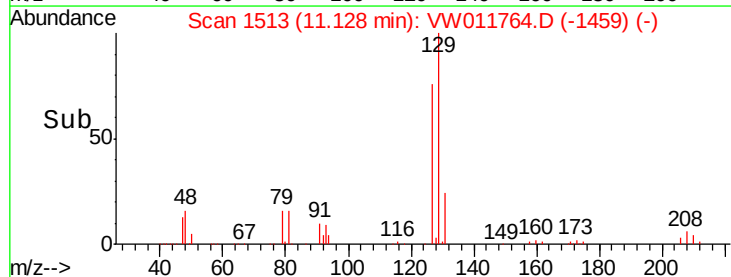
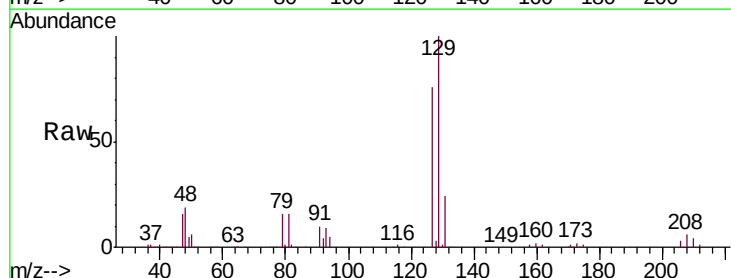
Acq: 08 Aug 2019 09:58

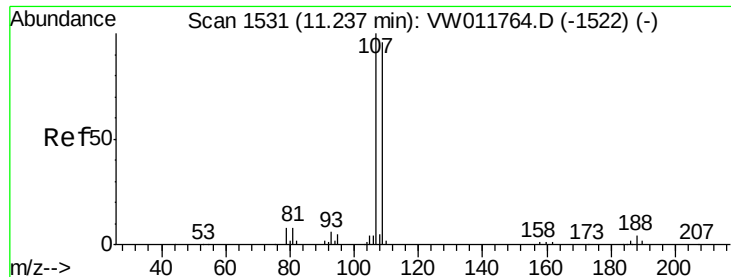
Tgt Ion: 129 Resp: 136380

Ion Ratio Lower Upper

129 100

127 76.4 52.6 97.6

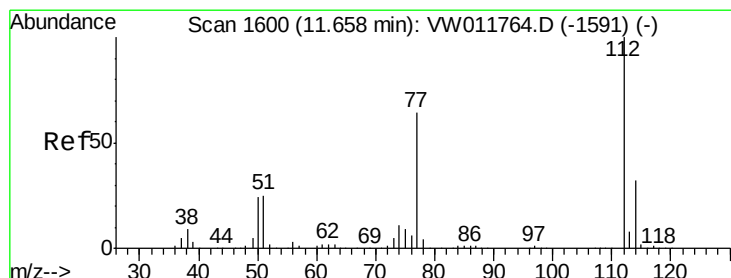
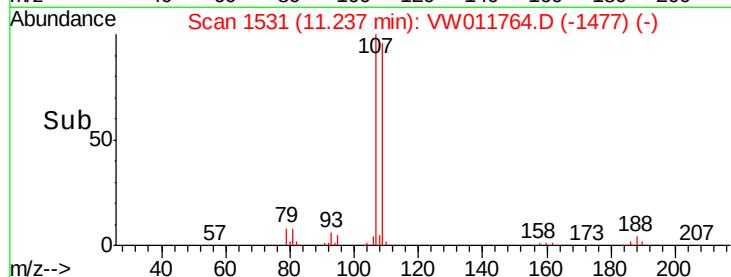
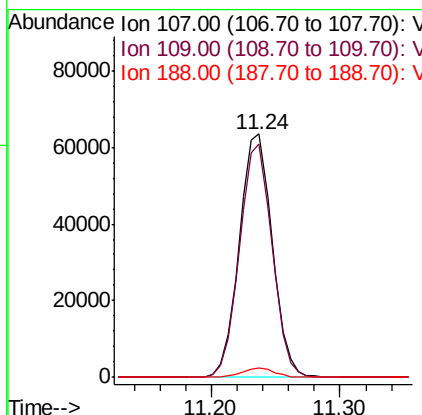
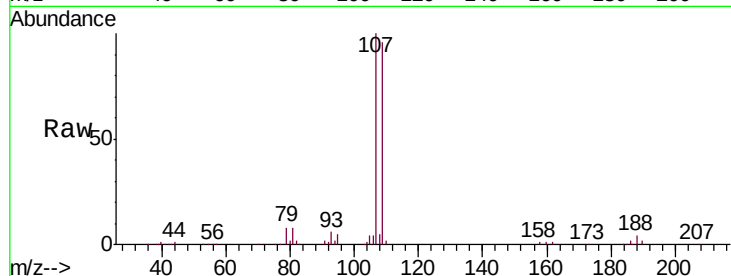




#51
 1,2-Dibromoethane
 Concen: 25.619 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

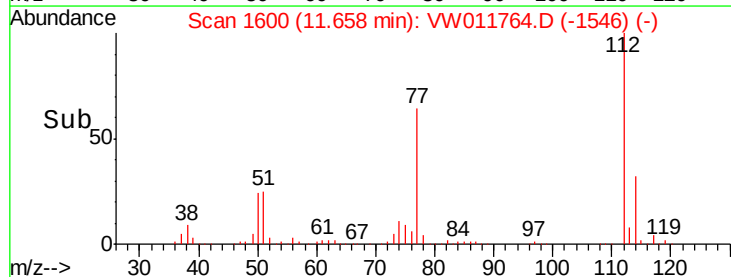
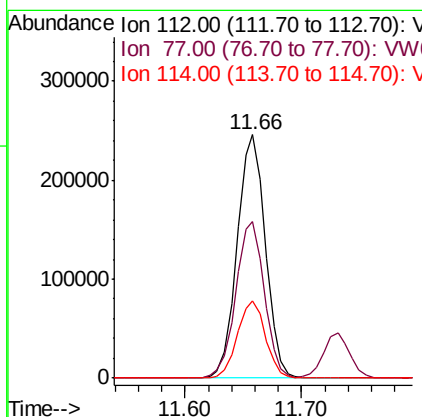
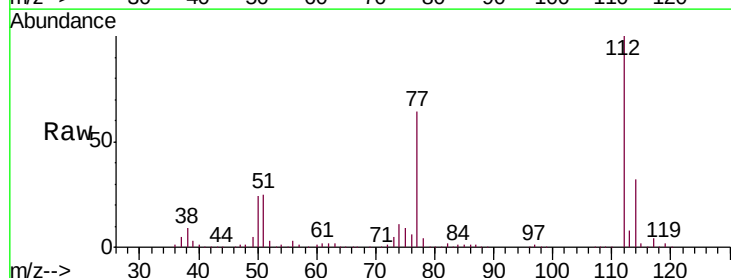
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

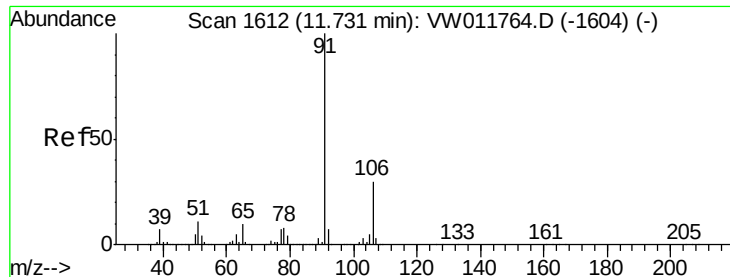
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.9	66.1	122.8
188	3.7	2.9	4.3



#52
 Chlorobenzene
 Concen: 27.386 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.3	51.0	76.4
114	31.9	22.4	41.6





#53

Ethylbenzene

Concen: 28.131 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampled :

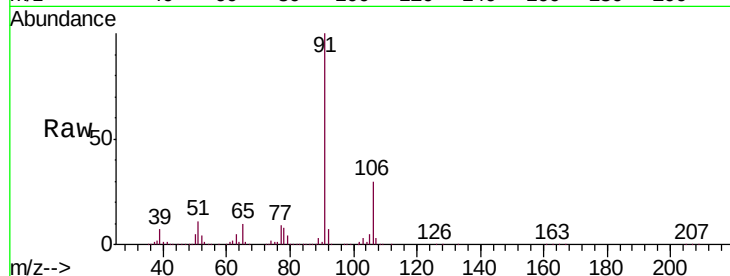
VSTD02508

Tgt Ion: 91 Resp: 787518

Ion Ratio Lower Upper

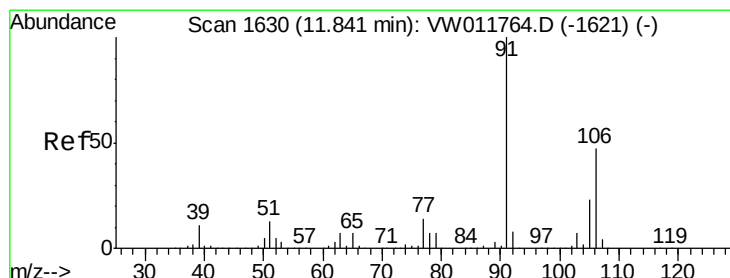
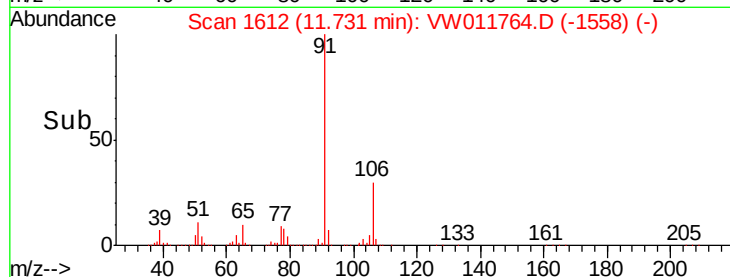
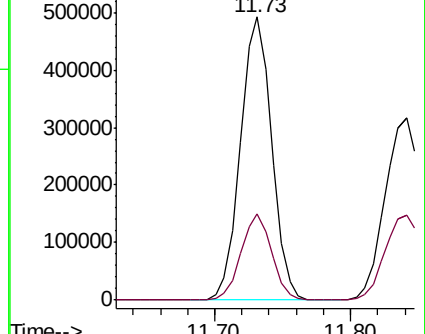
91 100

106 30.3 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 27.878 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW011764.D

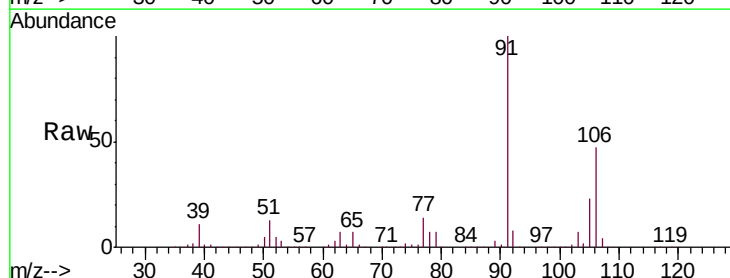
Acq: 08 Aug 2019 09:58

Tgt Ion: 106 Resp: 283782

Ion Ratio Lower Upper

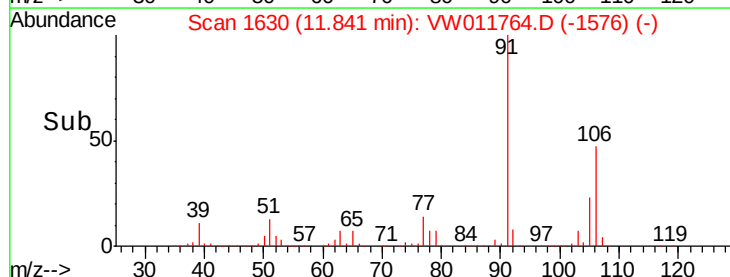
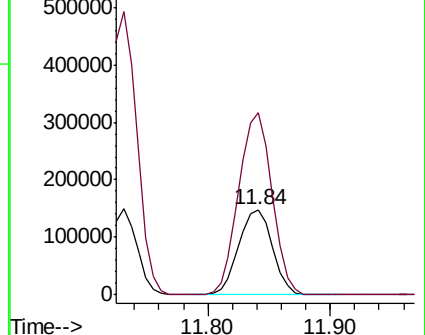
106 100

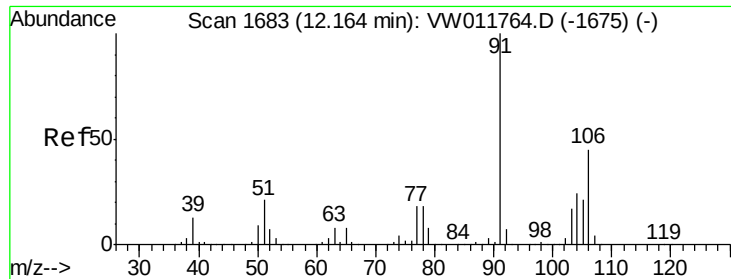
91 212.6 149.6 277.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

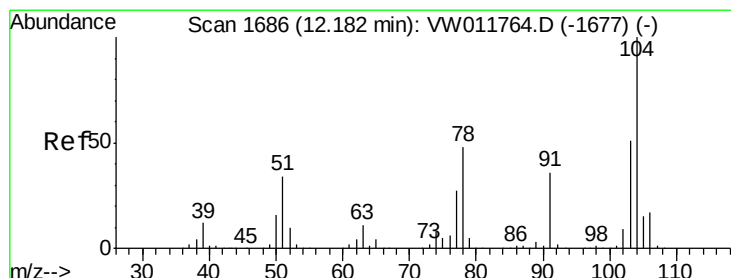
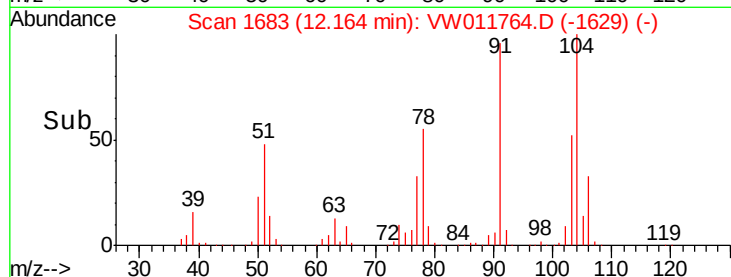
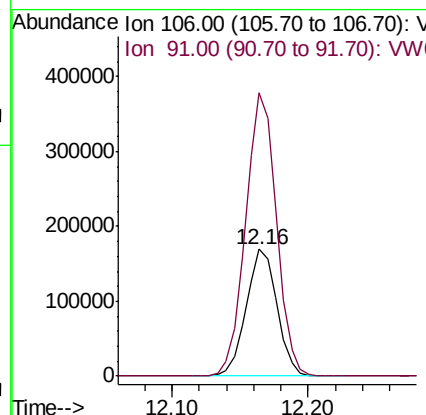
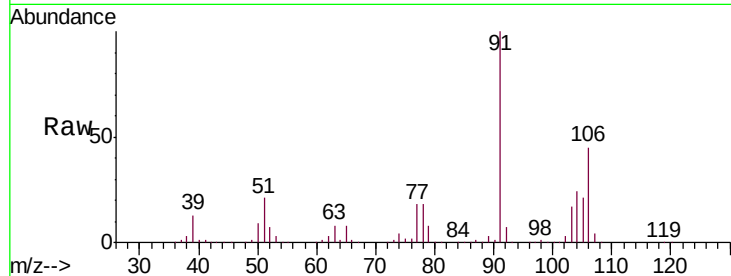




#55
o-xylene
Concen: 28.074 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

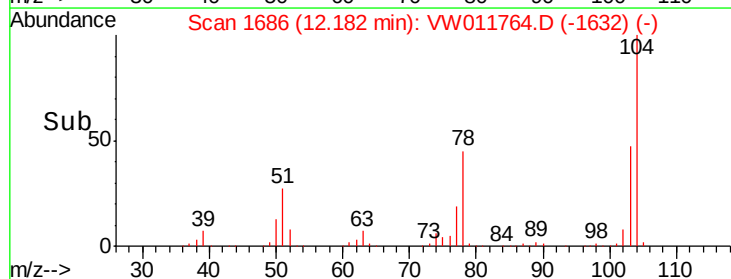
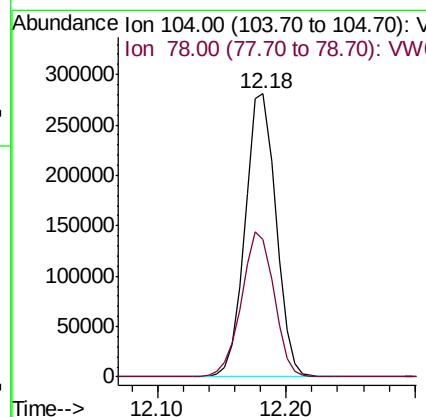
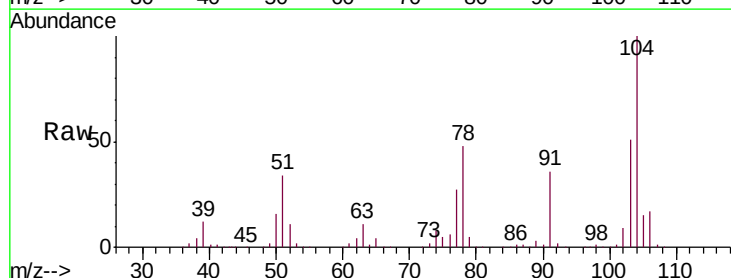
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

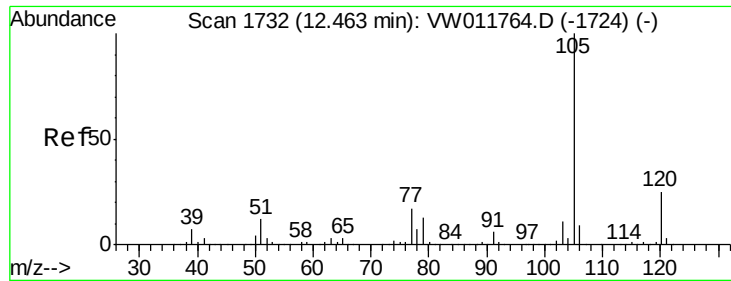
Tgt Ion:106 Resp: 268954
Ion Ratio Lower Upper
106 100
91 223.6 158.3 293.9



#56
Styrene
Concen: 28.506 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011764.D
Acq: 08 Aug 2019 09:58

Tgt Ion:104 Resp: 464290
Ion Ratio Lower Upper
104 100
78 48.4 32.9 61.1





#57

Isopropylbenzene

Concen: 28.014 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

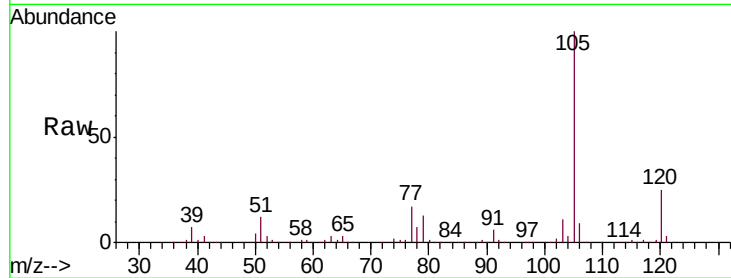
Tgt Ion: 105 Resp: 738326

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

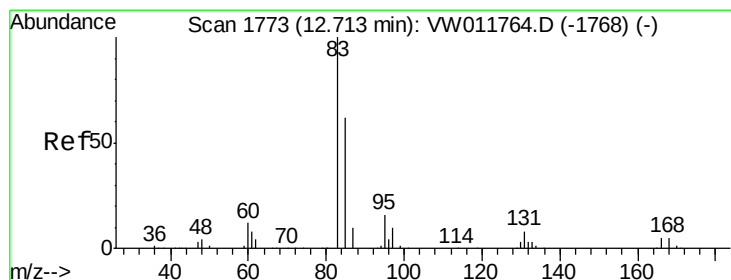
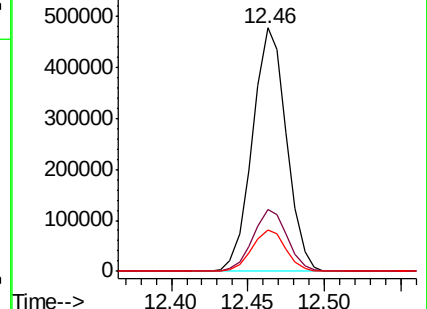
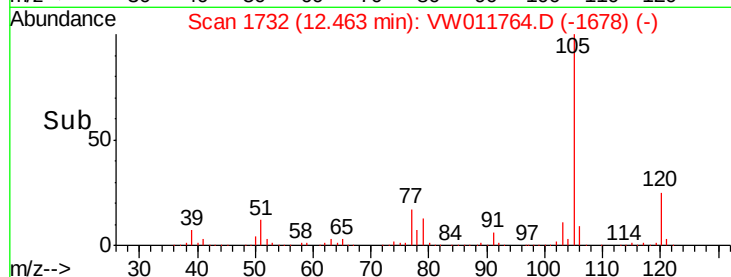
77 16.9 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.667 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

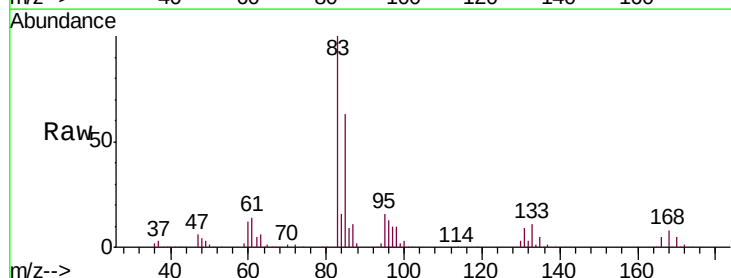
Tgt Ion: 83 Resp: 147402

Ion Ratio Lower Upper

83 100

85 63.2 43.5 80.9

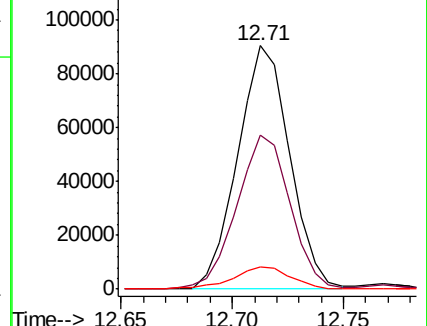
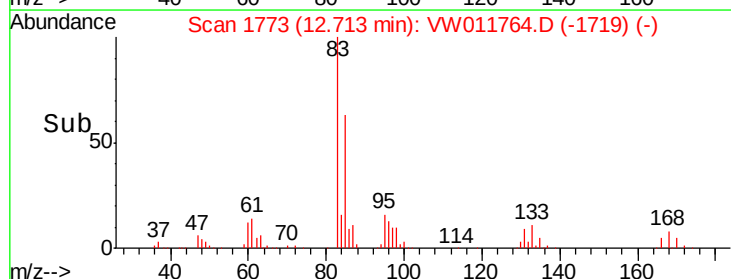
131 9.0 7.5 11.3

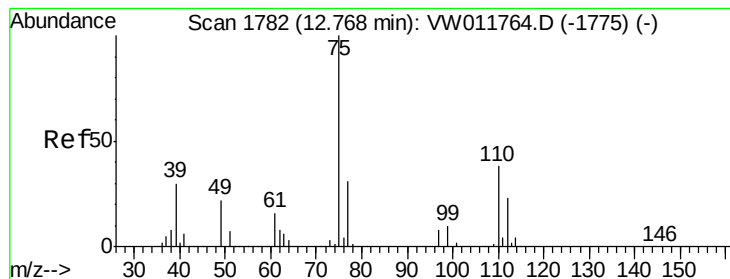


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.185 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampleId :

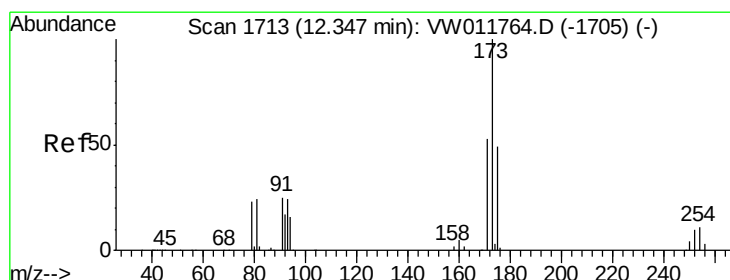
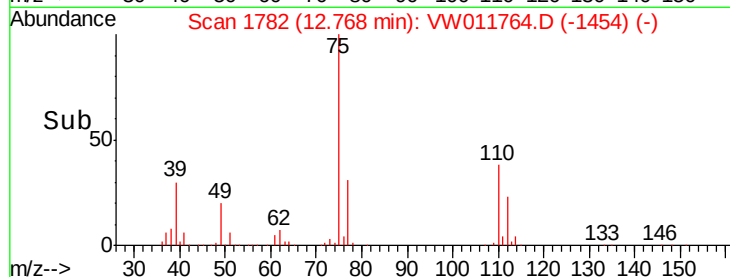
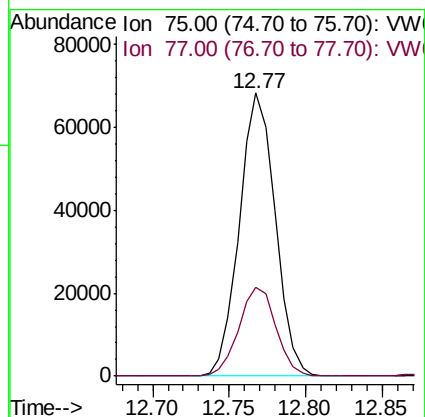
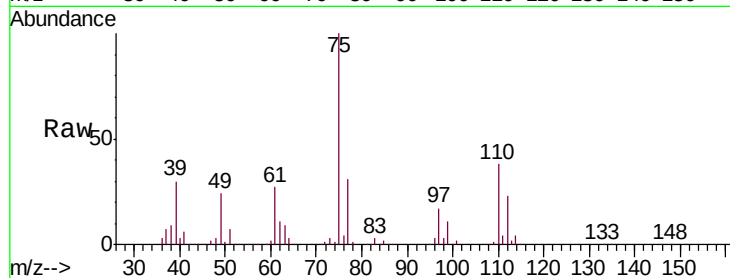
VSTD02508

Tgt Ion: 75 Resp: 111464

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7



#62

Bromoform

Concen: 25.229 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

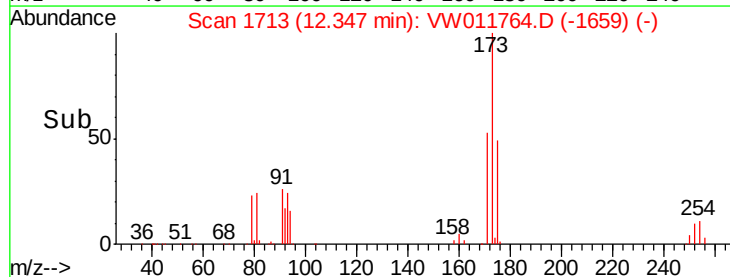
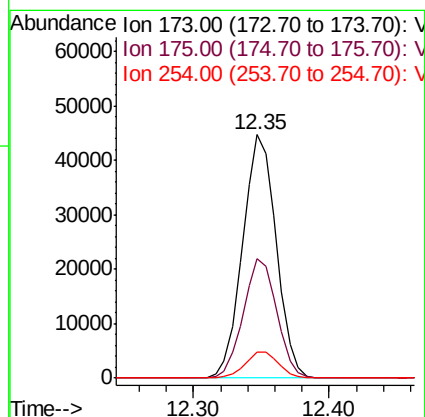
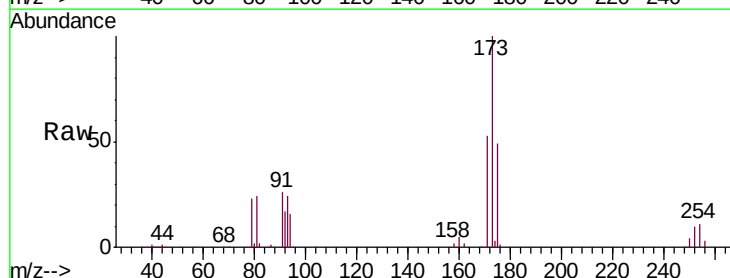
Tgt Ion: 173 Resp: 77207

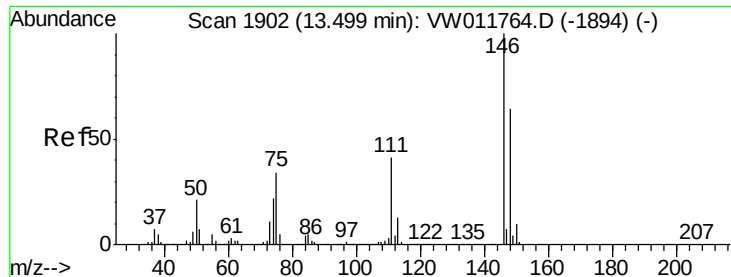
Ion Ratio Lower Upper

173 100

175 49.1 39.4 59.0

254 10.9 9.0 13.6

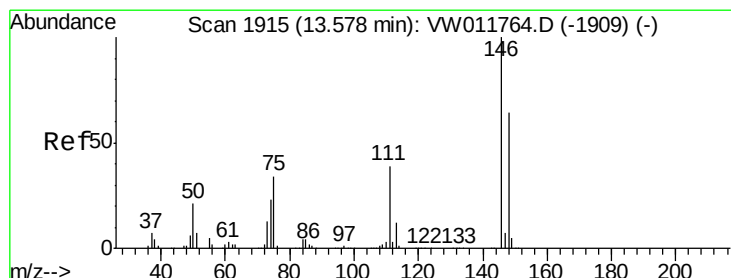
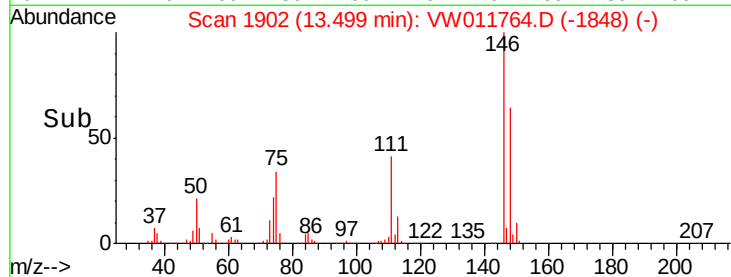
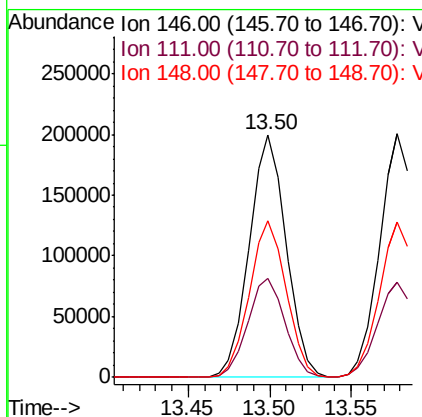
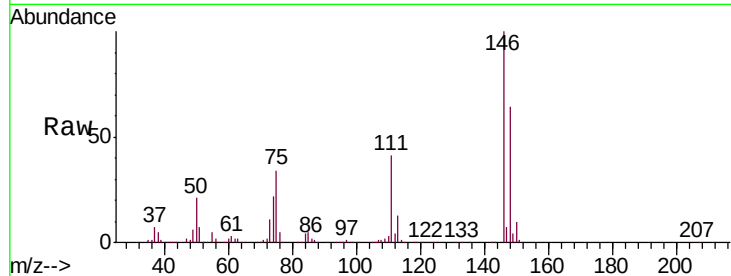




#63
 1,3-Dichlorobenzene
 Concen: 27.053 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

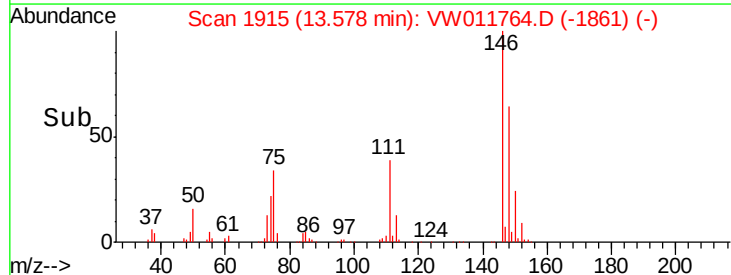
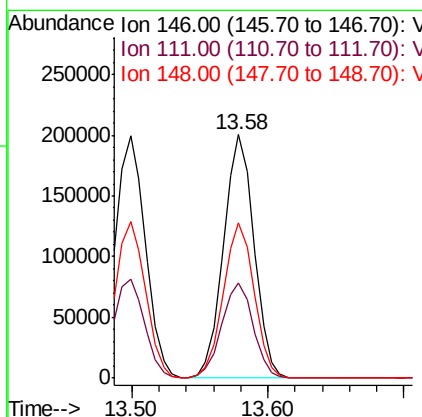
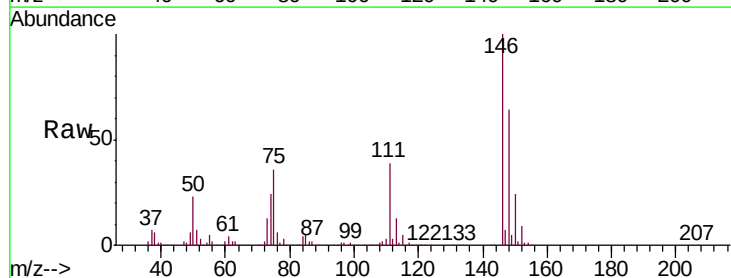
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

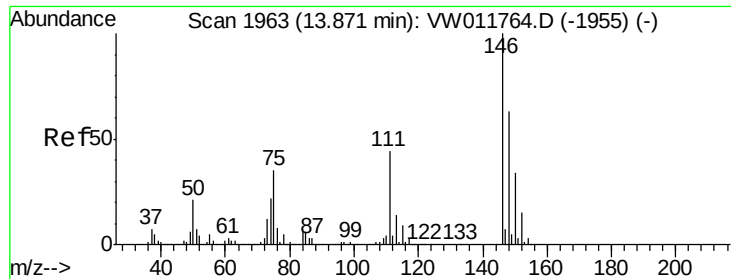
Tgt Ion:146 Resp: 314067
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.6 53.2
 148 64.4 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 26.781 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion:146 Resp: 312226
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.4 51.0
 148 63.8 44.4 82.5

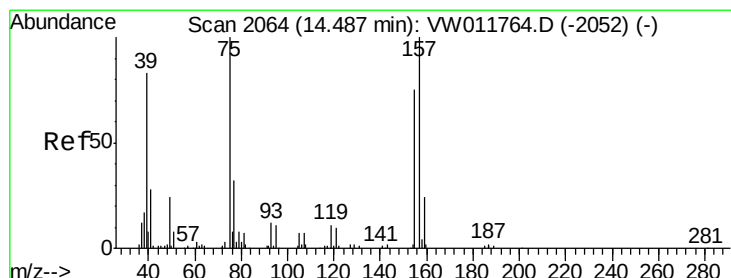
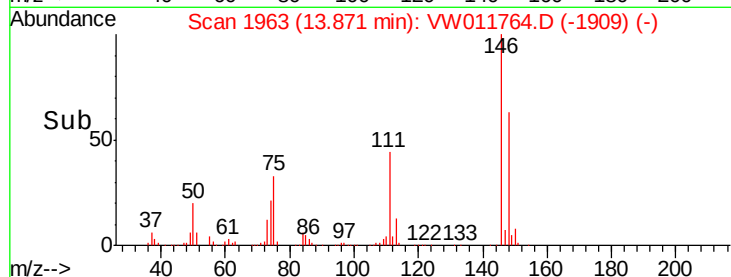
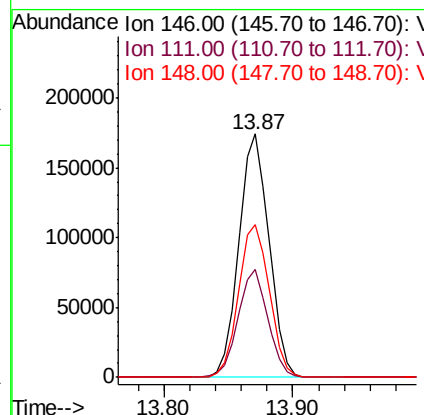
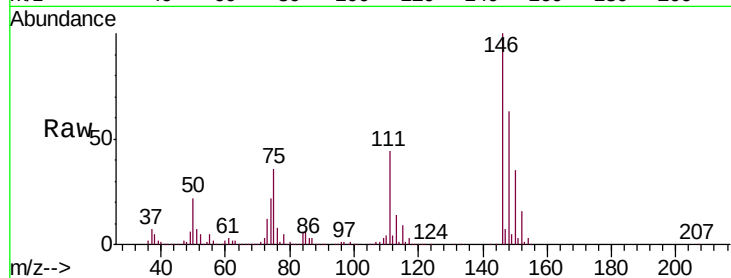




#65
 1,2-Dichlorobenzene
 Concen: 26.857 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

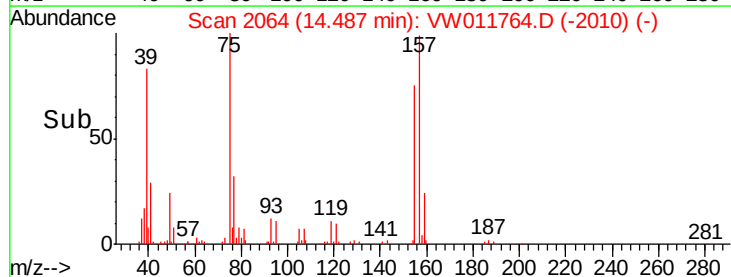
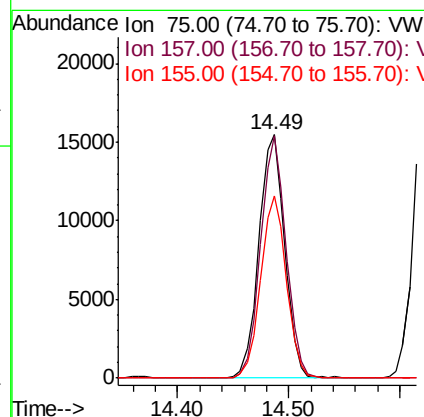
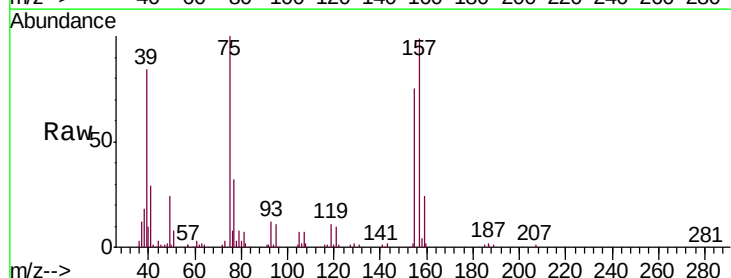
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

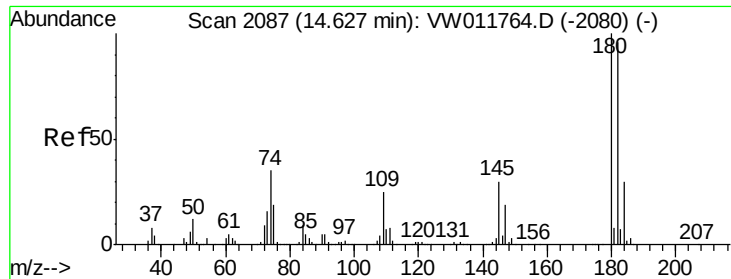
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	34.6	51.8
148	62.9	50.9	76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.971 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
157	99.5	79.3	118.9
155	74.7	59.9	89.9

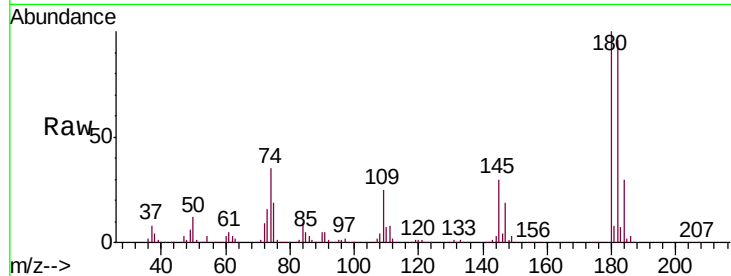




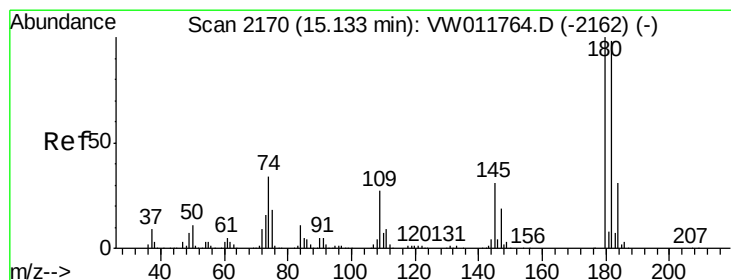
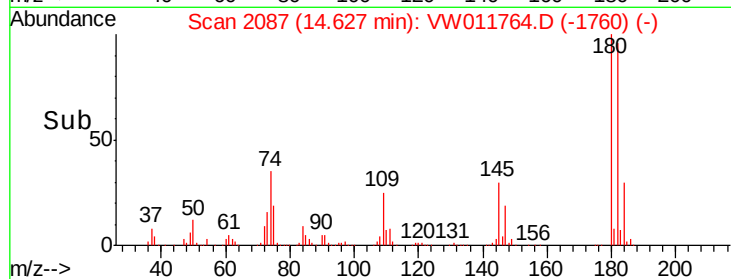
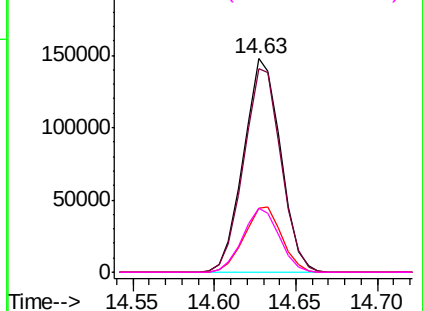
#67
 1,3,5-Trichlorobenzene
 Concen: 27.343 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:	180	Resp:	233644
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.9	113.9
184	30.9	24.2	36.2
145	29.8	23.0	34.6

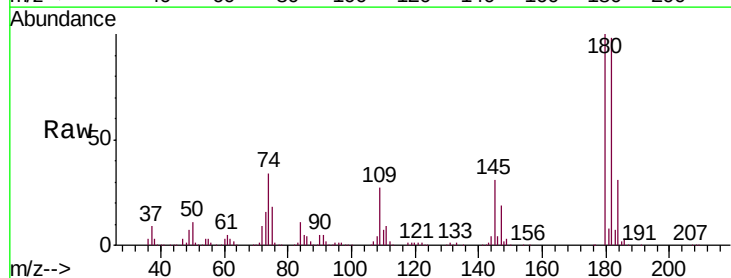


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

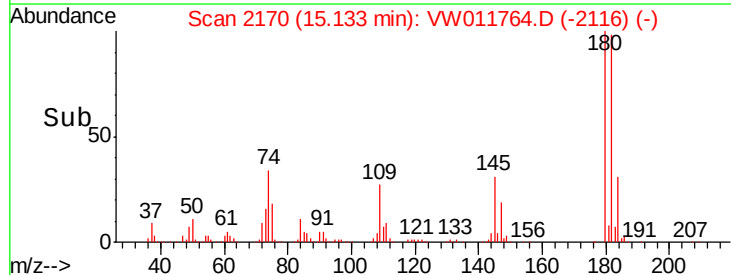
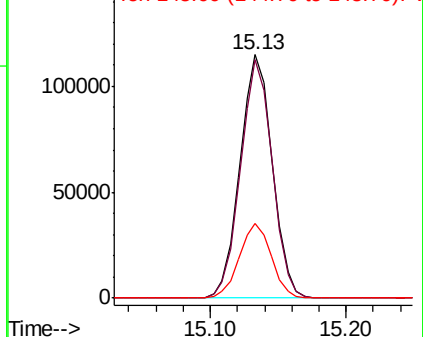


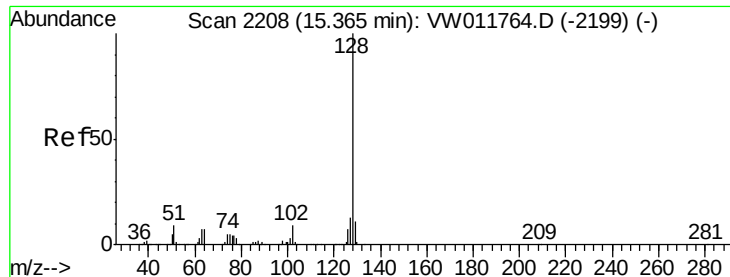
#68
 1,2,4-trichlorobenzene
 Concen: 27.706 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011764.D
 Acq: 08 Aug 2019 09:58

Tgt Ion:	180	Resp:	190665
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.3	115.9
145	30.2	24.3	36.5



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





#69

Naphthalene

Concen: 25.597 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

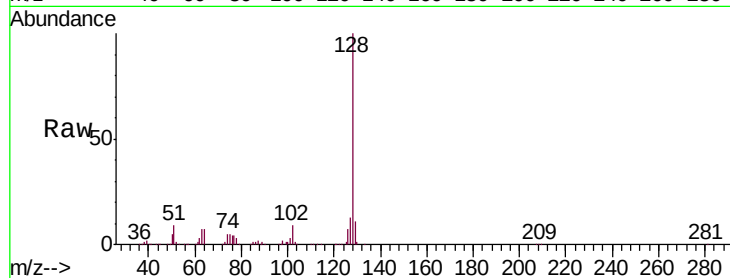
Tgt Ion:128 Resp: 354726

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

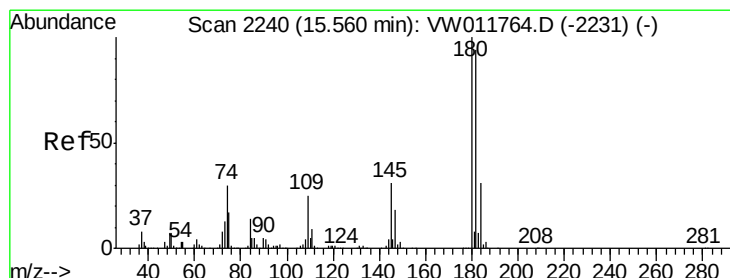
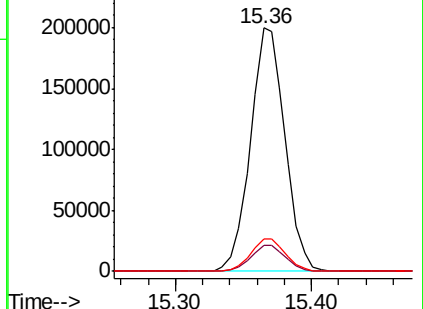
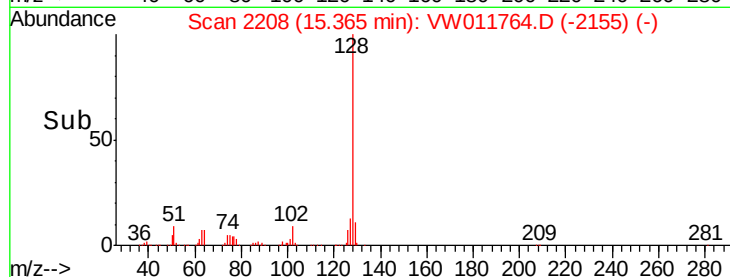
127 13.5 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.622 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011764.D

Acq: 08 Aug 2019 09:58

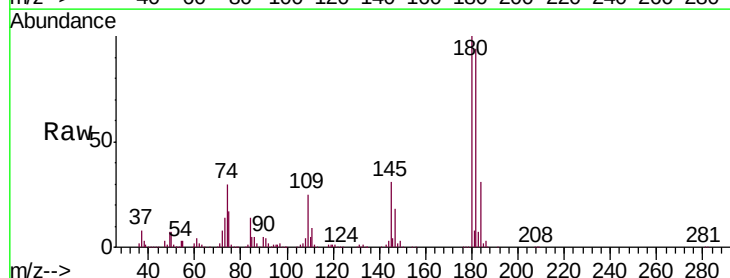
Tgt Ion:180 Resp: 169678

Ion Ratio Lower Upper

180 100

182 95.6 74.9 112.3

145 32.0 25.6 38.4



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

