

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080519\
 Data File : VW011706.D
 Acq On : 05 Aug 2019 13:05
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.81G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Aug 06 04:40:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 04:37:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	388313	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	344980	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168652	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	110874	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.12%
7) Chloroethane-d5	2.89	69	86405	21.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.76%
10) 1,1-Dichloroethene-d2	4.02	63	288231	22.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.96%
20) 2-Butanone-d5	7.07	46	92738	37.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.34%
24) Chloroform-d	7.65	84	242179	22.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.84%
26) 1,2-Dichloroethane-d4	8.31	65	138765	21.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.96%
29) Benzene-d6	8.27	84	477173	22.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.00%
33) 1,2-Dichloropropane-d6	9.27	67	157177	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.76%
37) Toluene-d8	10.32	98	425879	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.48%
38) trans-1,3-Dichloropropene-	10.58	79	65546	21.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.40%
39) 2-Hexanone-d5	10.92	63	62963	38.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120364	20.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	139662	21.49	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	132495	30.445 ug/L	95
3) Chloromethane	2.21	50	138485	24.464 ug/L	99
5) Vinyl chloride	2.36	62	191182	26.471 ug/L	98
6) Bromomethane	2.78	94	90986	26.722 ug/L	99
8) Chloroethane	2.92	64	103735	27.463 ug/L	99
9) Trichlorofluoromethane	3.26	101	102736	27.924 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	155504	27.879 ug/L	97
12) 1,1-Dichloroethene	4.04	96	152725	27.384 ug/L	99
13) Acetone	4.12	43	113939	43.210 ug/L	94
14) Carbon disulfide	4.39	76	479432	26.394 ug/L	99
15) Methyl Acetate	4.67	43	96159	22.304 ug/L	100
16) Methylene chloride	4.92	84	164034	27.069 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	247571	26.656 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	157464	27.327 ug/L	98
19) 1,1-Dichloroethane	6.21	63	321732	27.950 ug/L	98
21) 2-Butanone	7.17	43	151090	45.701 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	167035	27.708 ug/L	98

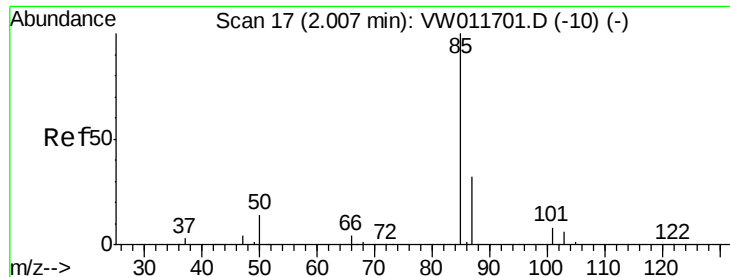
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080519\
 Data File : VW011706.D
 Acq On : 05 Aug 2019 13:05
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.81G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Quant Time: Aug 06 04:40:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 04:37:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69150	26.960	ug/L	98
25) Chloroform	7.67	83	293197	27.635	ug/L	99
27) 1,2-Dichloroethane	8.40	62	213134	27.136	ug/L	98
30) Cyclohexane	7.95	56	331284	27.626	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	234714	27.923	ug/L	100
32) Carbon tetrachloride	8.07	117	221092	27.958	ug/L	100
34) Benzene	8.32	78	666662	27.576	ug/L	100
35) Trichloroethene	9.09	95	168575	27.467	ug/L	100
36) Methylcyclohexane	9.34	83	312098	28.031	ug/L	99
40) 1,2-Dichloropropane	9.37	63	179907	27.879	ug/L	100
41) Bromodichloromethane	9.64	83	214142	28.121	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	268919	27.861	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	279761	47.849	ug/L	100
44) Toluene	10.38	91	693148	28.221	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	219943	27.388	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	115045	26.149	ug/L	99
47) Tetrachloroethene	10.86	164	129489	27.622	ug/L	96
49) 2-Hexanone	10.97	43	211069	46.856	ug/L	98
50) Dibromochloromethane	11.13	129	135102	27.860	ug/L	98
51) 1,2-Dibromoethane	11.24	107	110371	25.781	ug/L	100
52) Chlorobenzene	11.66	112	410249	27.685	ug/L	99
53) Ethylbenzene	11.73	91	779264	28.450	ug/L	99
54) m,p-Xylene	11.84	106	284318	28.546	ug/L	97
55) o-xylene	12.16	106	266490	28.430	ug/L	99
56) Styrene	12.18	104	454814	28.540	ug/L	97
57) Isopropylbenzene	12.46	105	738878	28.653	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	147088	25.158	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	109829	24.356	ug/L	99
62) Bromoform	12.35	173	75585	25.050	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	314765	27.498	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	313588	27.280	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	283858	27.386	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	24278	22.631	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	239453	28.421	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	197390	29.091	ug/L	99
69) Naphthalene	15.37	128	359429	26.305	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	173735	27.646	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 30.445 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

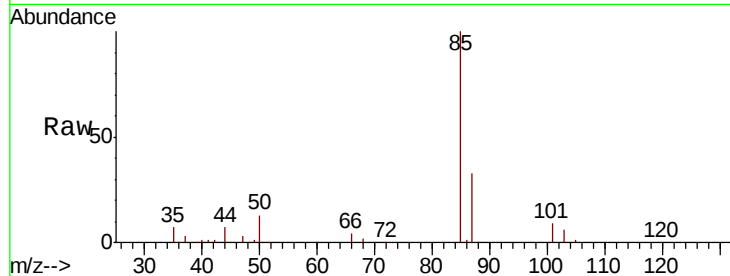
VSTD02508

Tgt Ion: 85 Resp: 132495

Ion Ratio Lower Upper

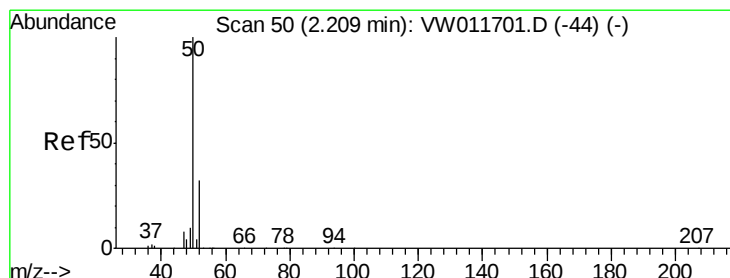
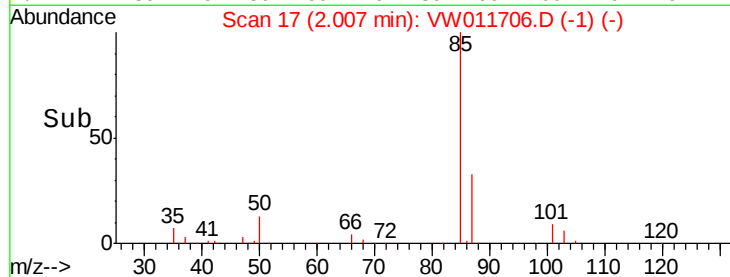
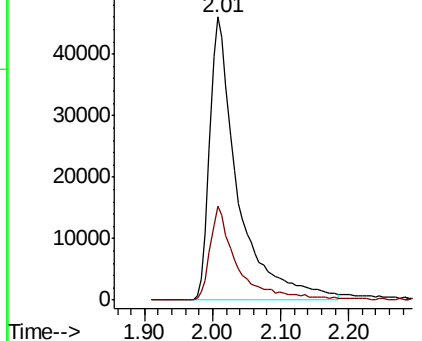
85 100

87 28.4 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: 24.464 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011706.D

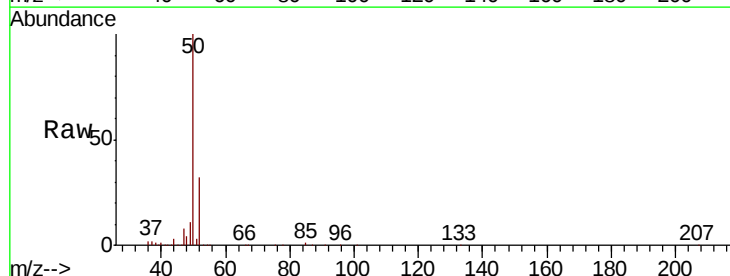
Acq: 05 Aug 2019 13:05

Tgt Ion: 50 Resp: 138485

Ion Ratio Lower Upper

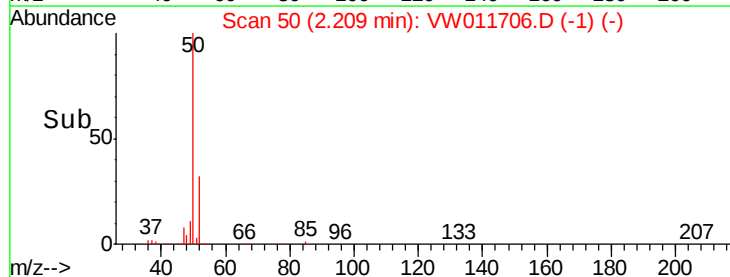
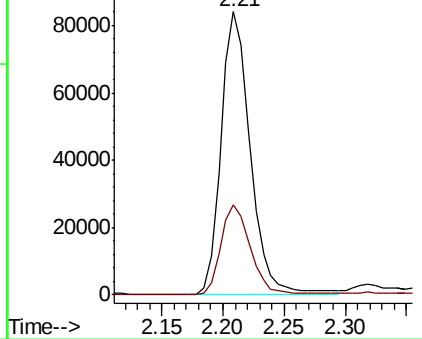
50 100

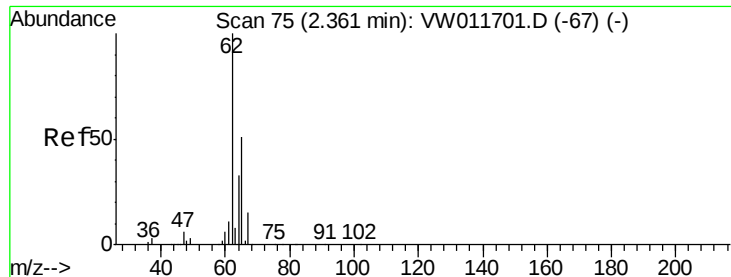
52 32.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.471 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

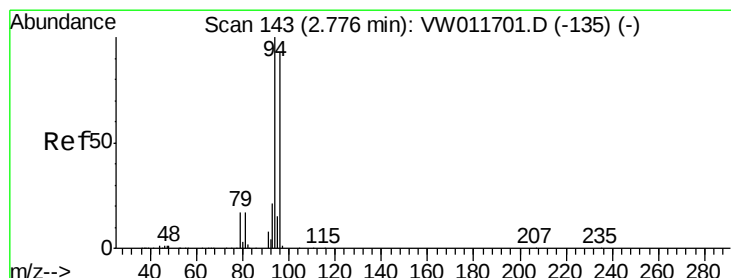
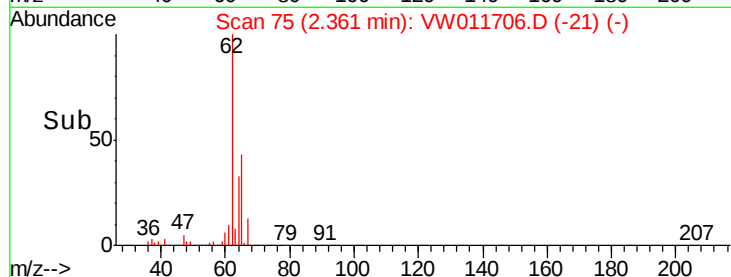
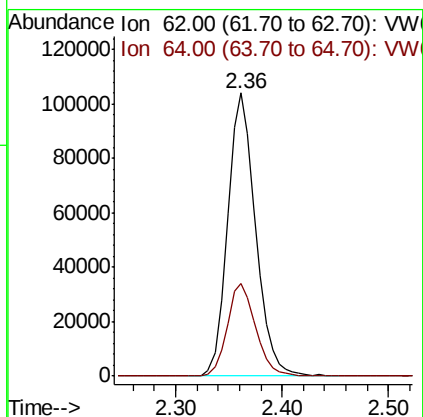
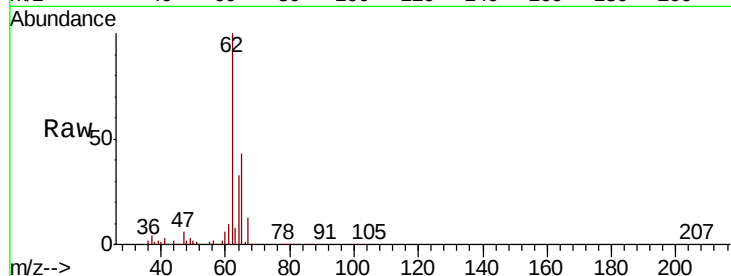
VSTD02508

Tgt Ion: 62 Resp: 191182

Ion Ratio Lower Upper

62 100

64 32.6 23.6 43.8



#6

Bromomethane

Concen: 26.722 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011706.D

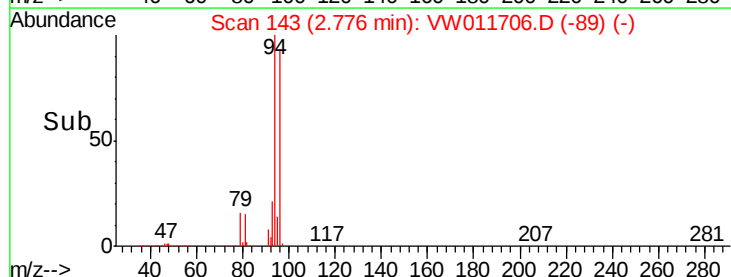
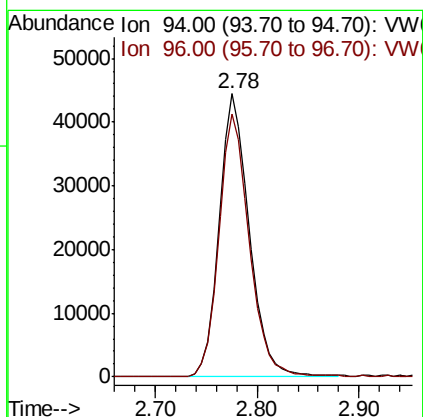
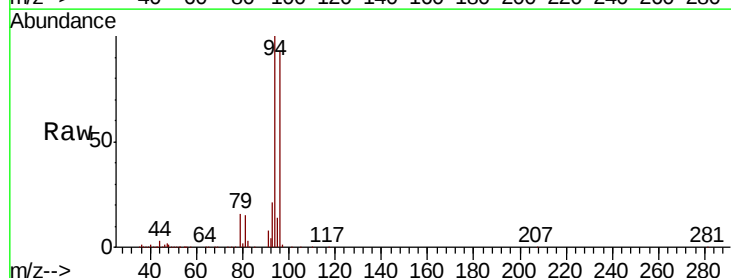
Acq: 05 Aug 2019 13:05

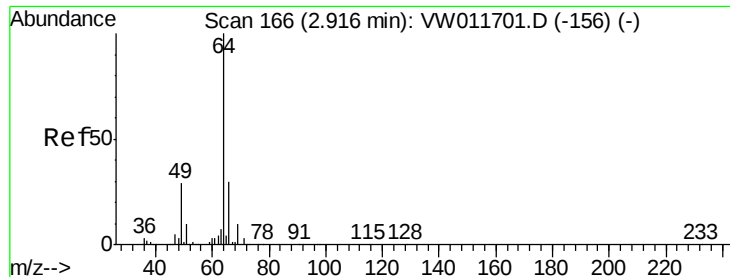
Tgt Ion: 94 Resp: 90986

Ion Ratio Lower Upper

94 100

96 93.6 9.3 175.9





#8

Chloroethane

Concen: 27.463 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

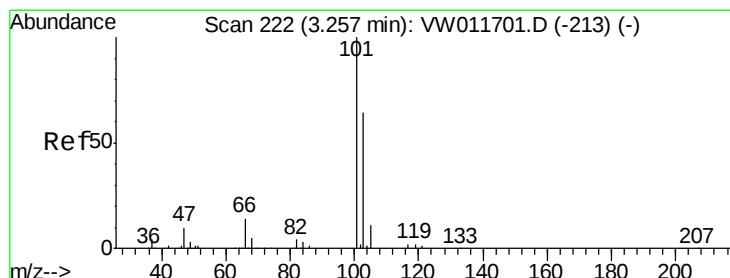
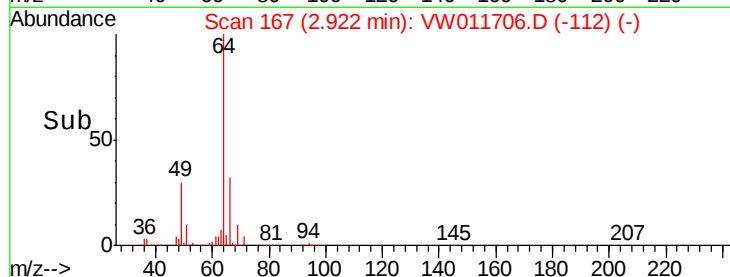
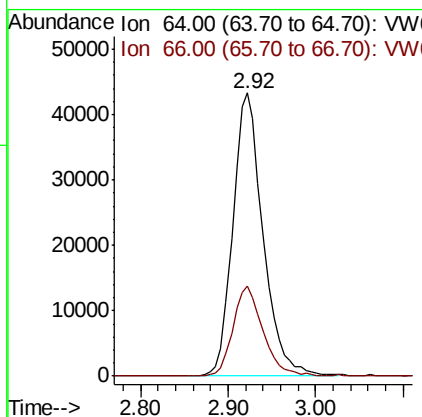
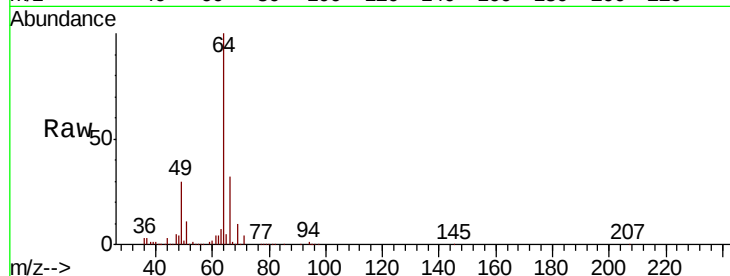
VSTD02508

Tgt Ion: 64 Resp: 103735

Ion Ratio Lower Upper

64 100

66 32.1 22.0 40.8



#9

Trichlorofluoromethane

Concen: 27.924 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW011706.D

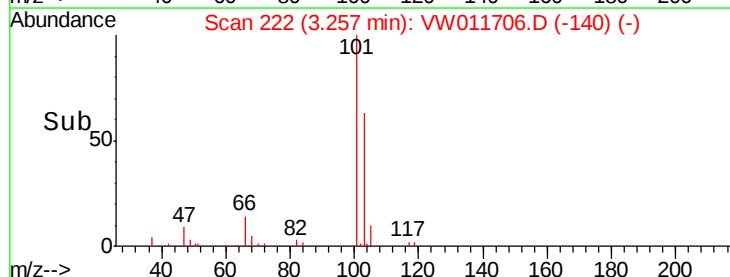
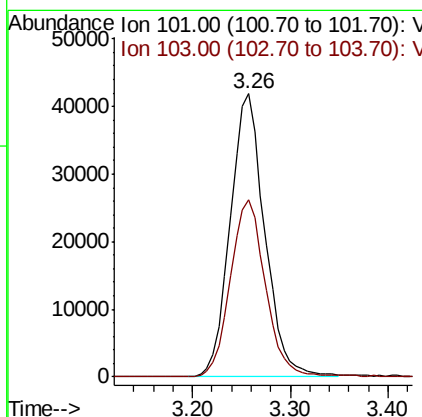
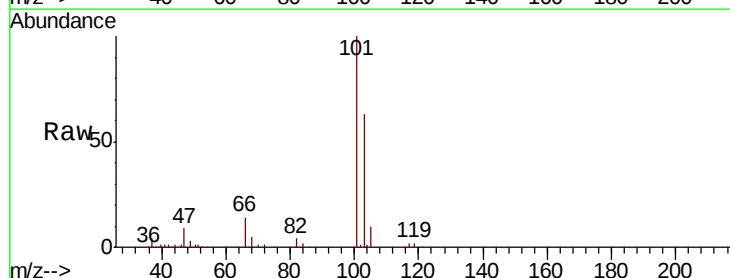
Acq: 05 Aug 2019 13:05

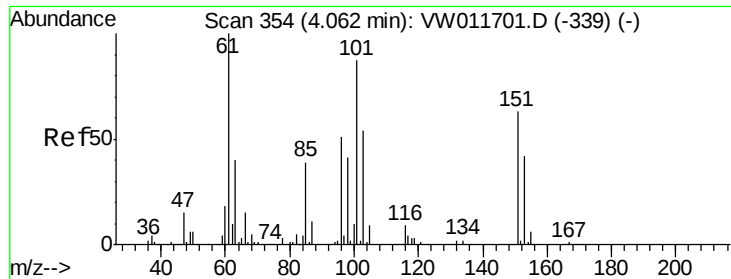
Tgt Ion: 101 Resp: 102736

Ion Ratio Lower Upper

101 100

103 63.4 44.3 82.3





#11

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

Concen: 27.879 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

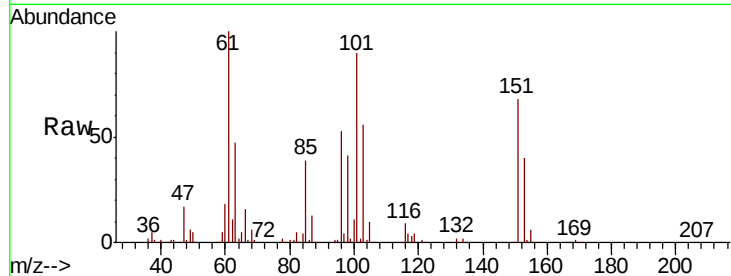
Tgt Ion:101 Resp: 155504

Ion Ratio Lower Upper

101 100

85 44.4 37.0 55.4

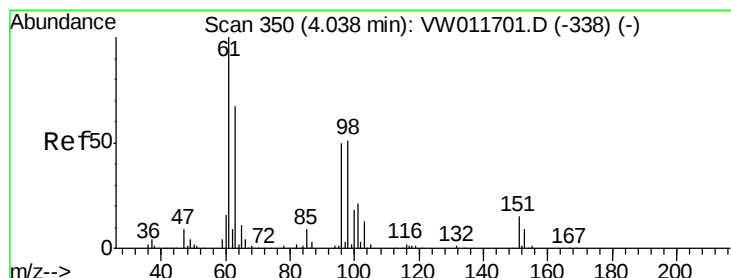
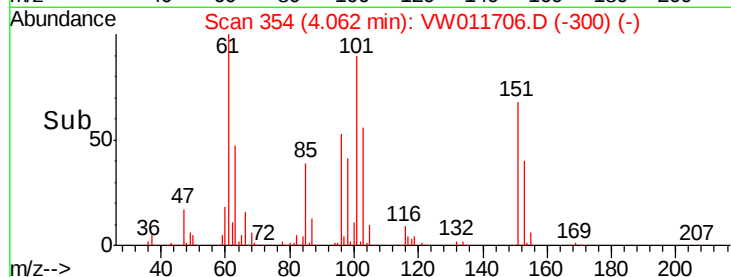
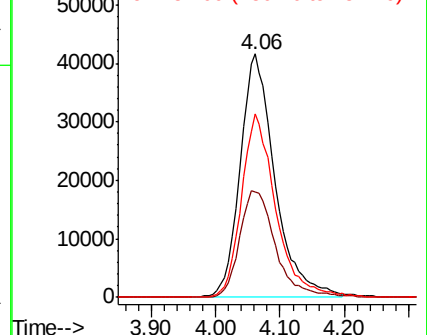
151 73.9 60.8 91.2



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: 27.384 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

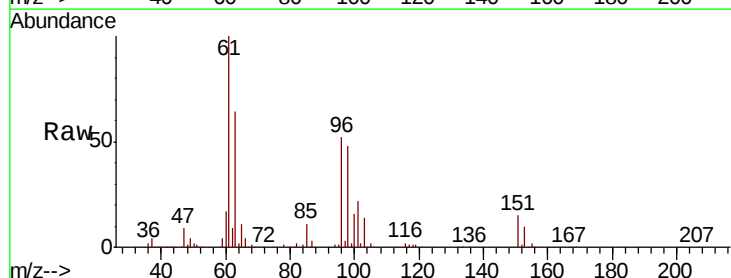
Tgt Ion: 96 Resp: 152725

Ion Ratio Lower Upper

96 100

61 194.0 135.0 250.8

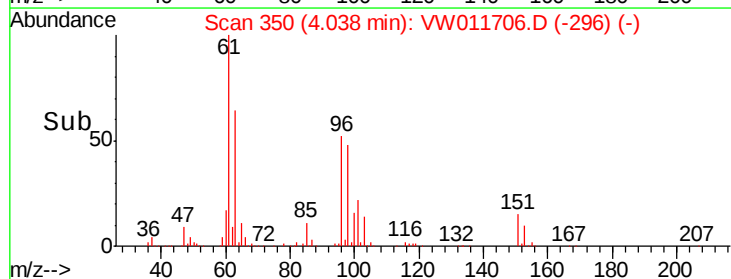
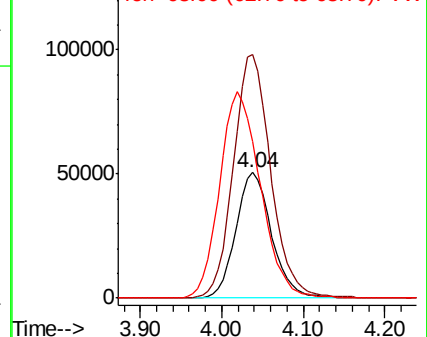
63 125.1 89.2 165.8

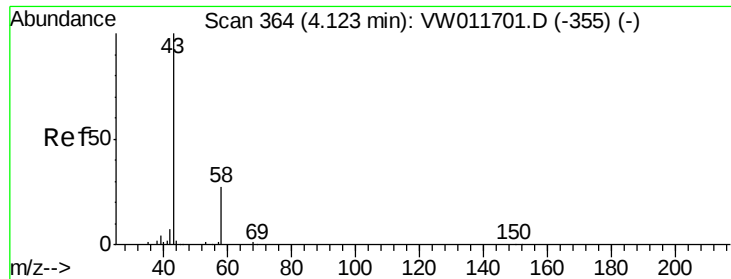


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.210 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

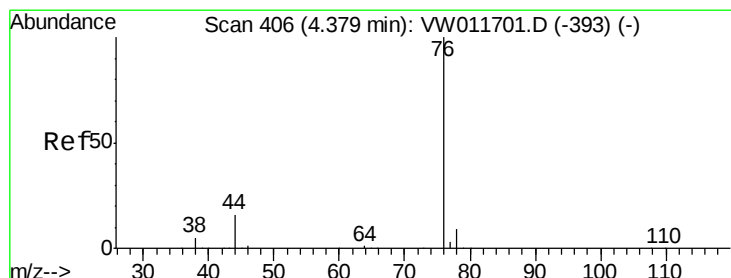
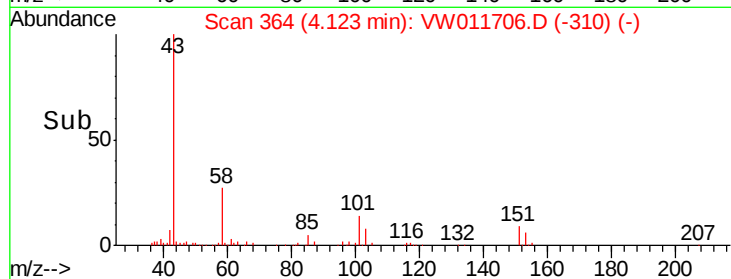
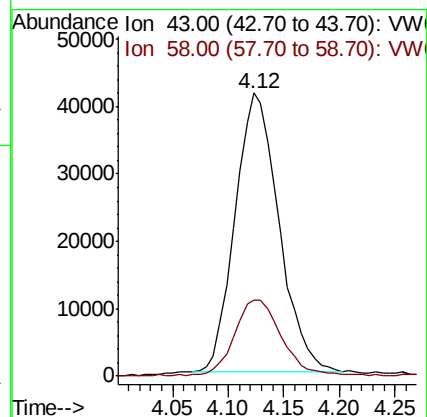
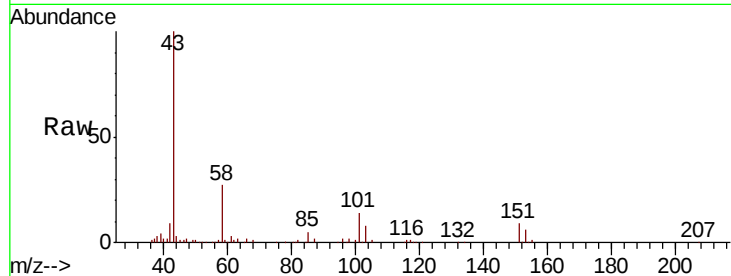
VSTD02508

Tgt Ion: 43 Resp: 113939

Ion Ratio Lower Upper

43 100

58 29.5 0.0 53.4



#14

Carbon disulfide

Concen: 26.394 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW011706.D

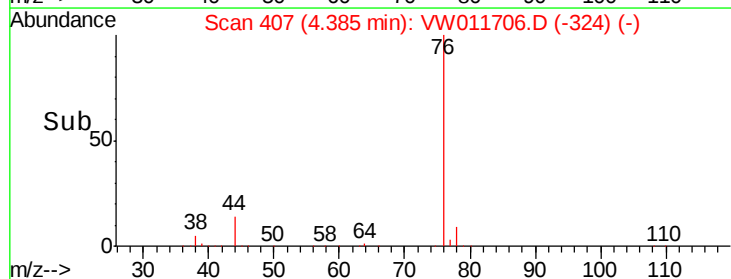
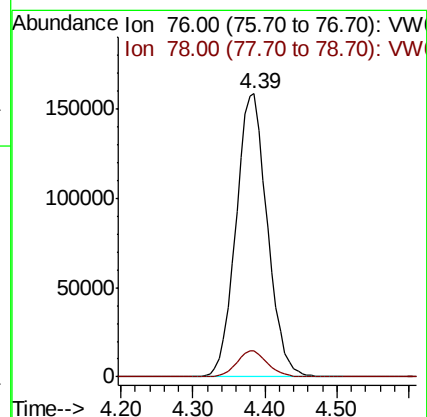
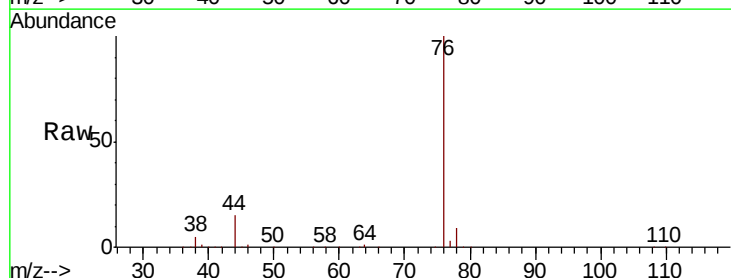
Acq: 05 Aug 2019 13:05

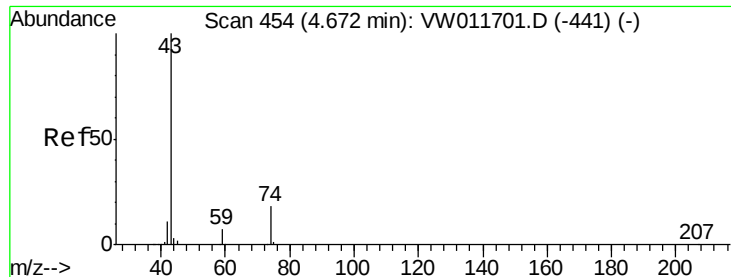
Tgt Ion: 76 Resp: 479432

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





#15

Methyl Acetate

Concen: 22.304 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

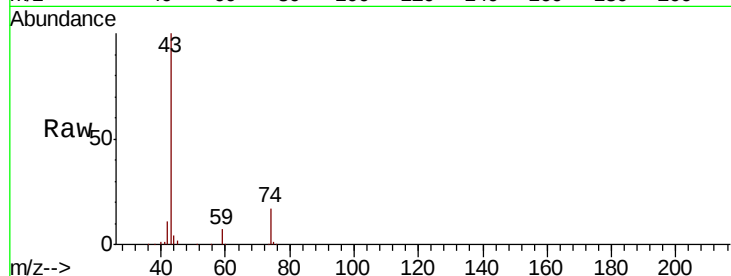
VSTD02508

Tgt Ion: 43 Resp: 96159

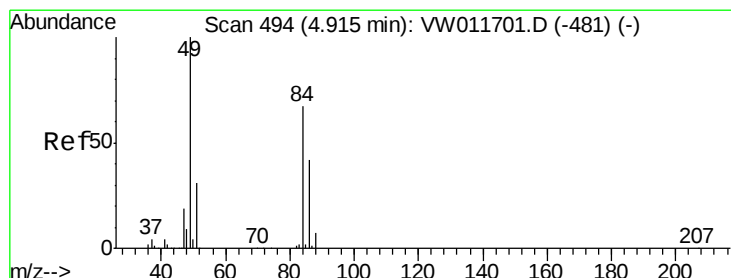
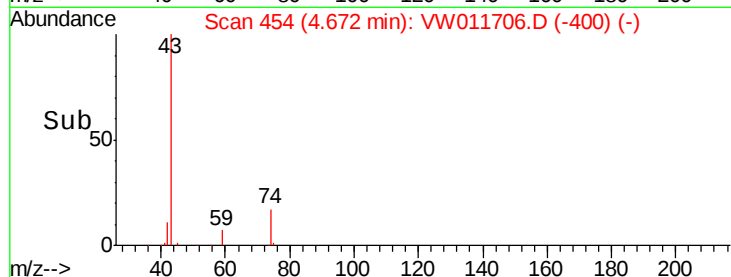
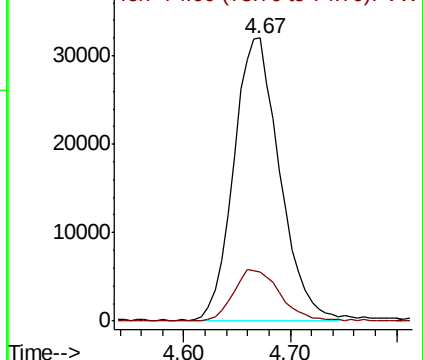
Ion Ratio Lower Upper

43 100

74 18.6 15.0 22.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 27.069 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

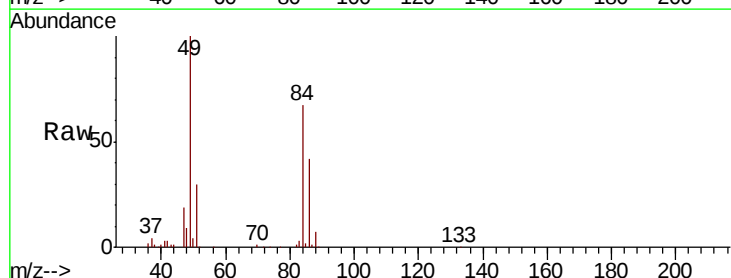
Tgt Ion: 84 Resp: 164034

Ion Ratio Lower Upper

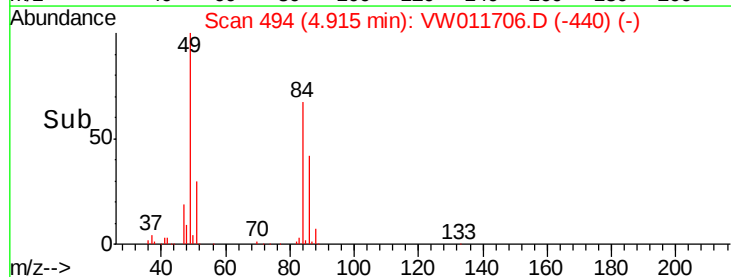
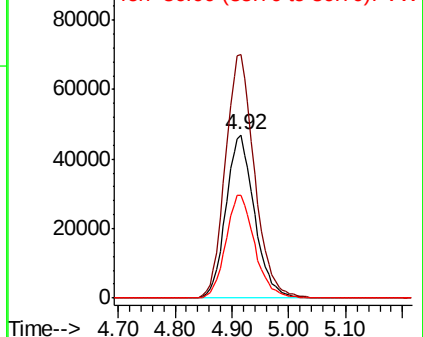
84 100

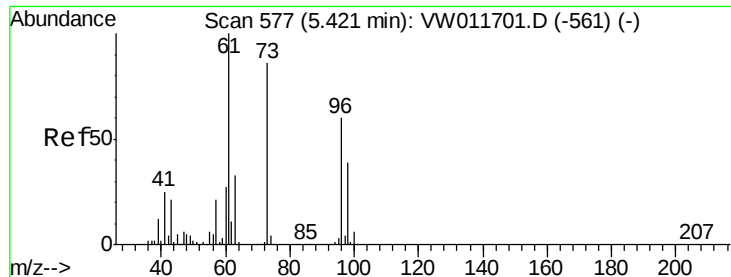
49 148.9 106.8 198.4

86 62.7 42.8 79.4



Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

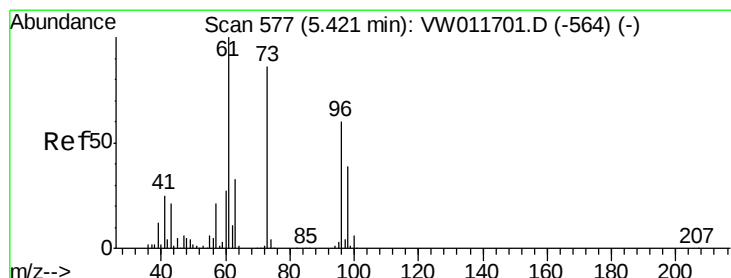
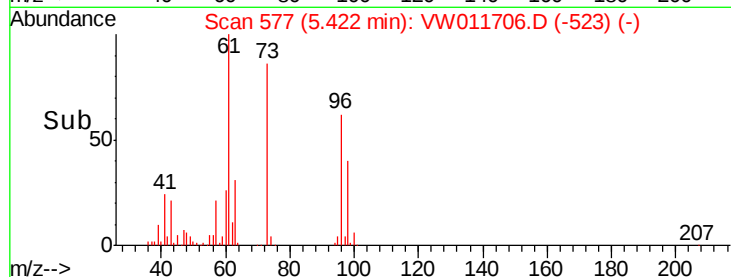
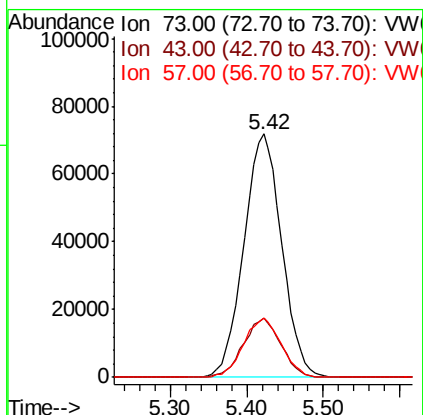
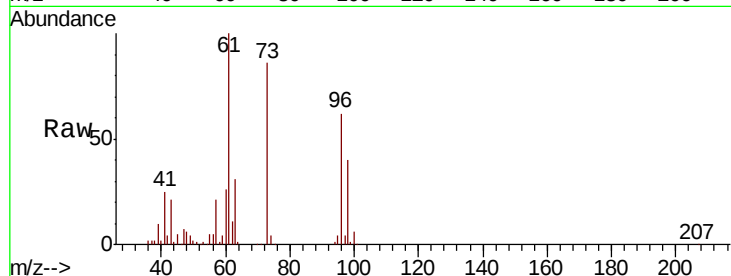




#17
Methyl tert-butyl Ether
Concen: 26.656 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011706.D
Acq: 05 Aug 2019 13:05

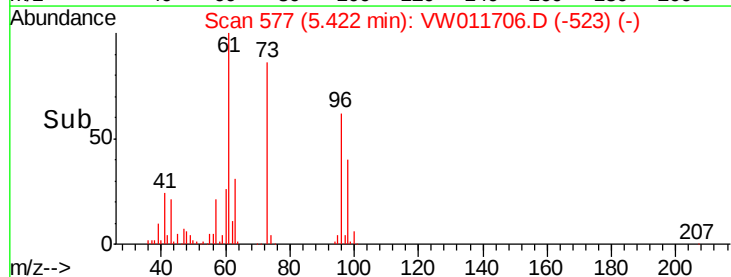
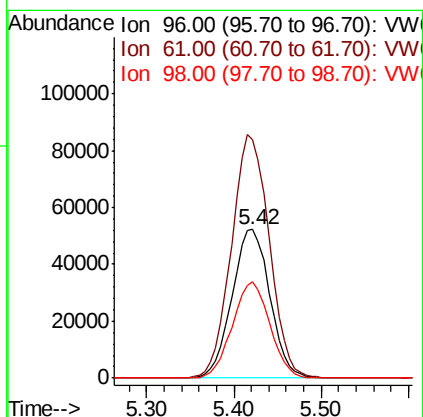
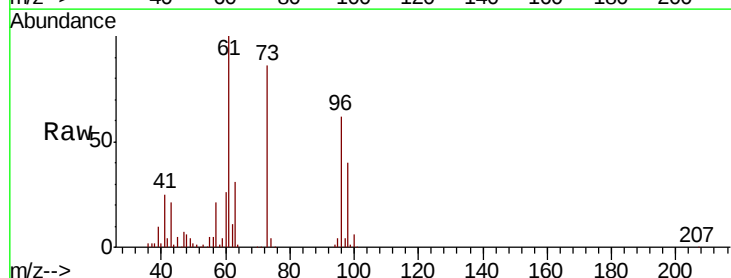
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

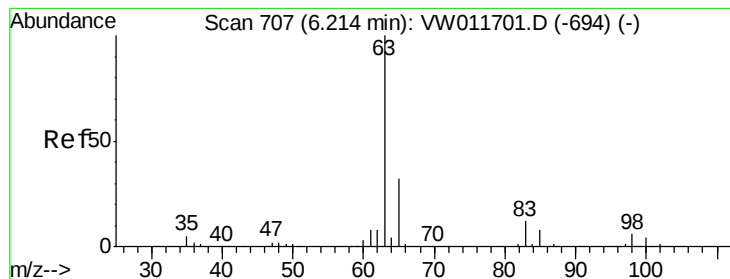
Tgt Ion: 73 Resp: 247571
Ion Ratio Lower Upper
73 100
43 24.2 19.3 28.9
57 24.4 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 27.327 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011706.D
Acq: 05 Aug 2019 13:05

Tgt Ion: 96 Resp: 157464
Ion Ratio Lower Upper
96 100
61 160.6 114.2 212.0
98 64.5 45.6 84.6





#19

1,1-Dichloroethane

Concen: 27.950 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

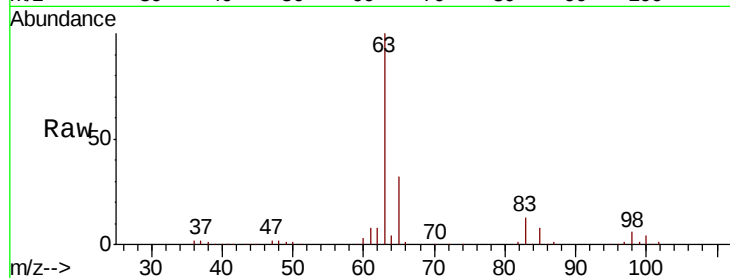
Tgt Ion: 63 Resp: 321732

Ion Ratio Lower Upper

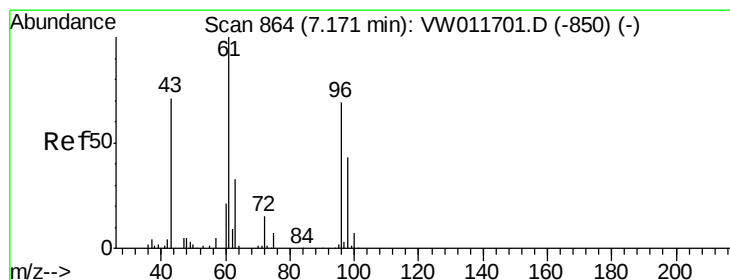
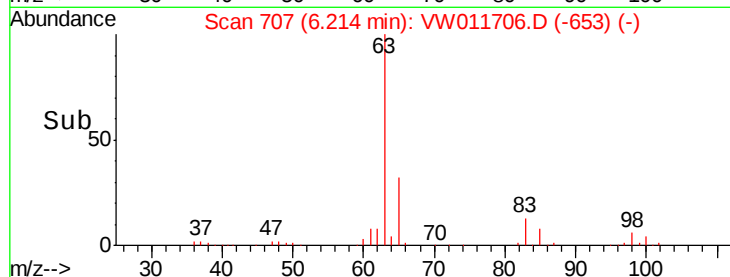
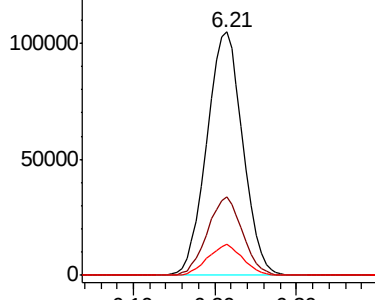
63 100

65 32.3 21.7 40.3

83 13.0 8.4 15.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 45.701 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011706.D

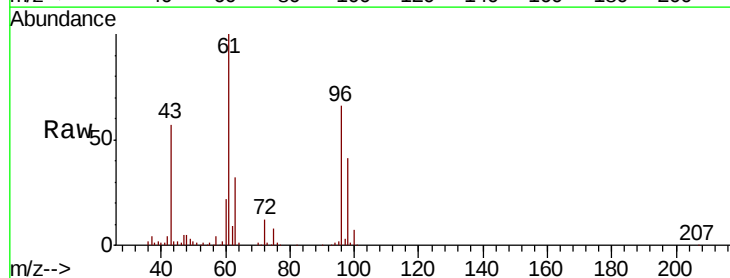
Acq: 05 Aug 2019 13:05

Tgt Ion: 43 Resp: 151090

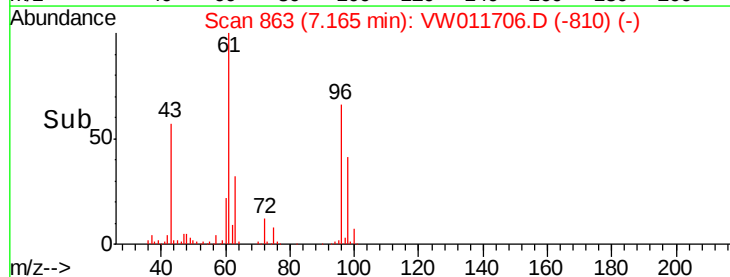
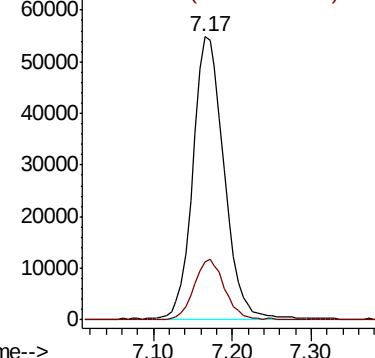
Ion Ratio Lower Upper

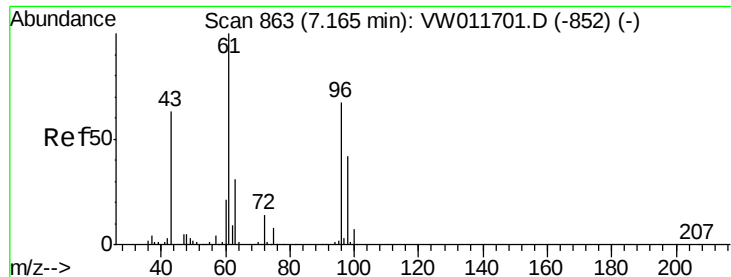
43 100

72 20.9 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



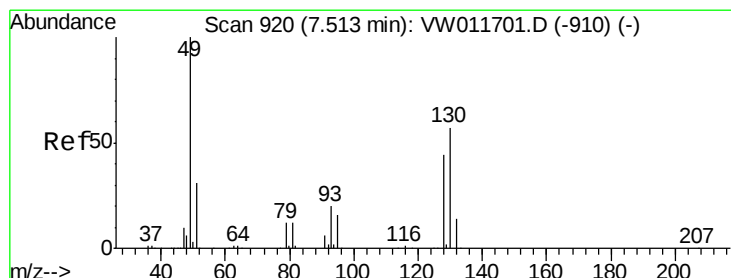
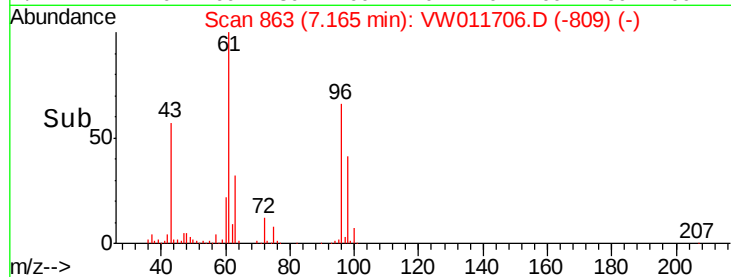
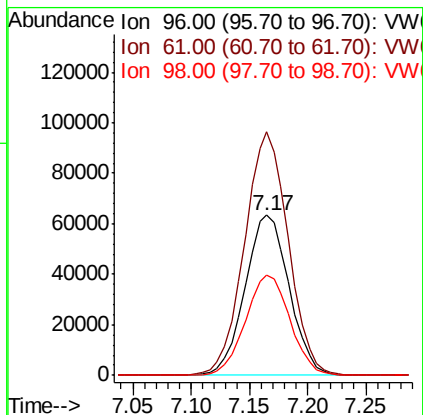
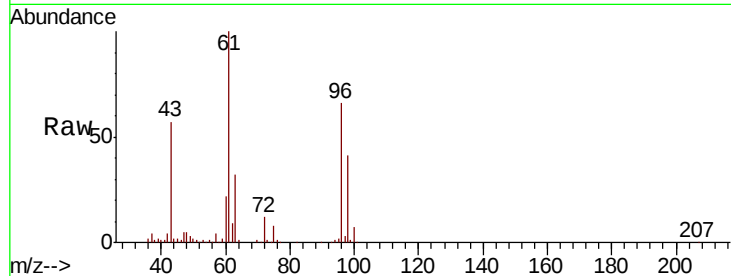


#22

cis-1,2-Dichloroethene
Concen: 27.708 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011706.D
Acq: 05 Aug 2019 13:05

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

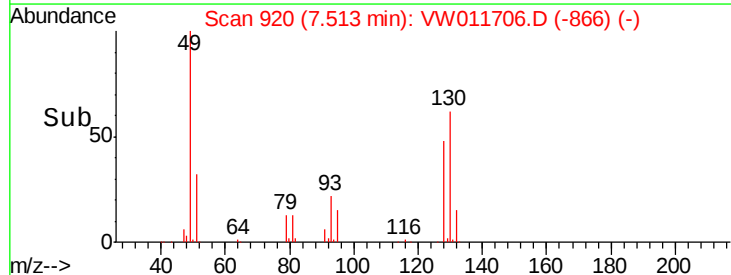
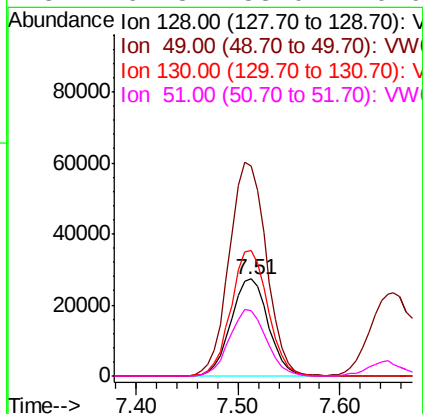
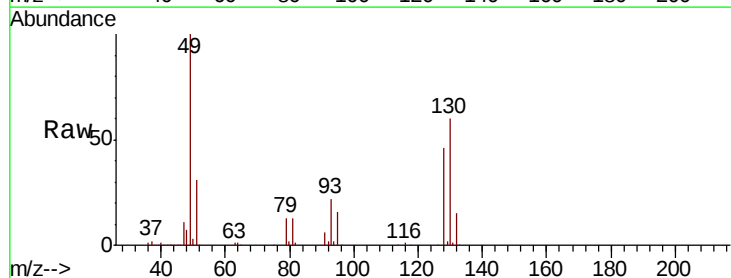
Tgt Ion: 96 Resp: 167035
Ion Ratio Lower Upper
96 100
61 152.0 103.9 192.9
98 63.0 43.5 80.9

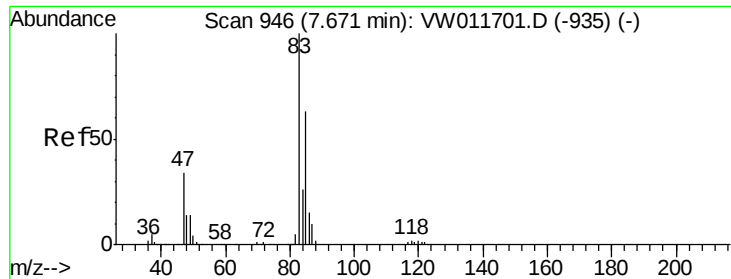


#23

Bromochloromethane
Concen: 26.960 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011706.D
Acq: 05 Aug 2019 13:05

Tgt Ion: 128 Resp: 69150
Ion Ratio Lower Upper
128 100
49 216.3 153.6 285.3
130 129.4 89.5 166.3
51 67.8 53.0 79.6





#25

Chloroform

Concen: 27.635 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

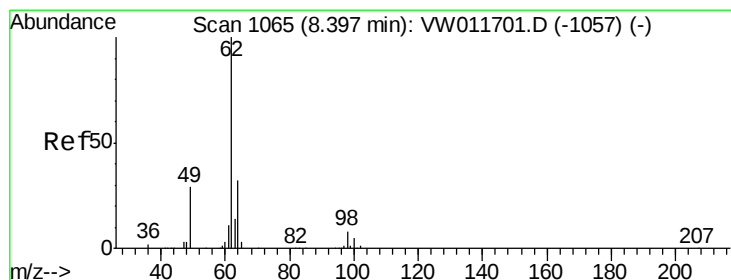
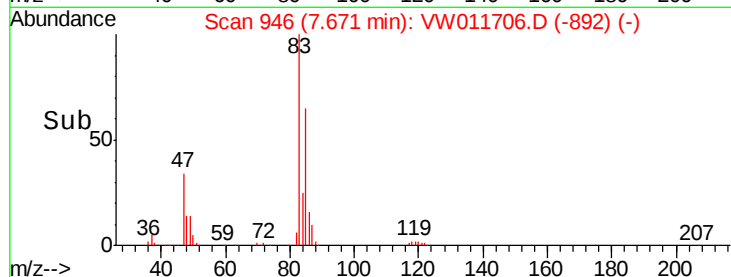
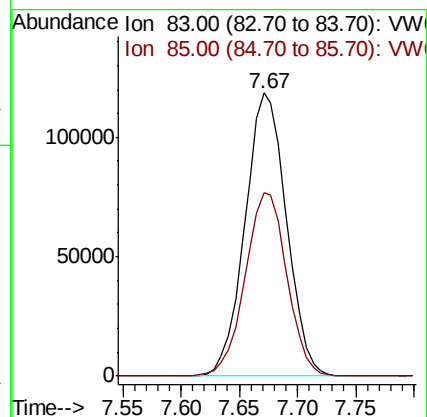
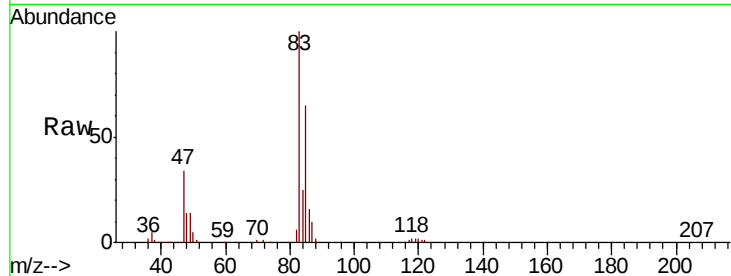
VSTD02508

Tgt Ion: 83 Resp: 293197

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.2



#27

1,2-Dichloroethane

Concen: 27.136 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011706.D

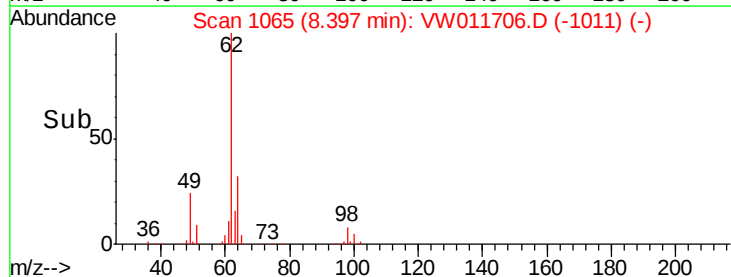
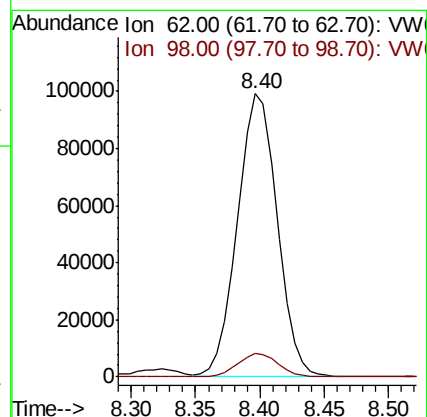
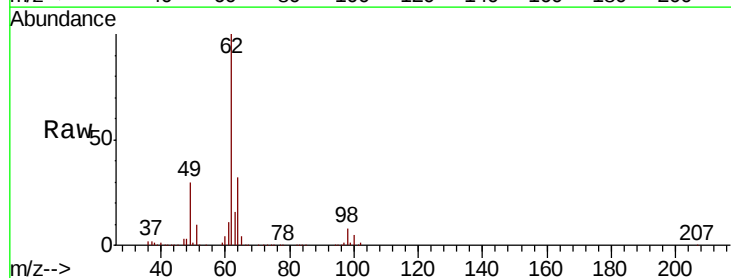
Acq: 05 Aug 2019 13:05

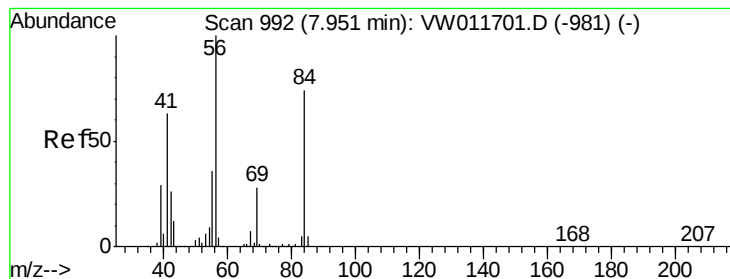
Tgt Ion: 62 Resp: 213134

Ion Ratio Lower Upper

62 100

98 8.2 7.2 10.8





#30

Cyclohexane

Concen: 27.626 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

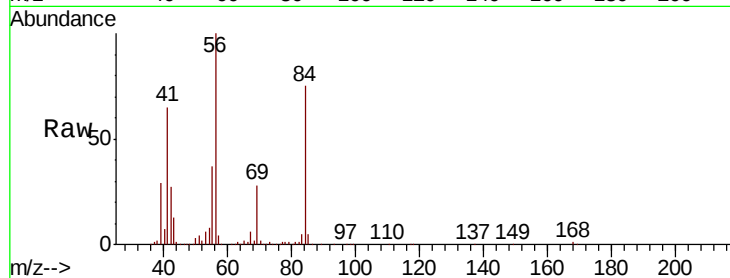
Tgt Ion: 56 Resp: 331284

Ion Ratio Lower Upper

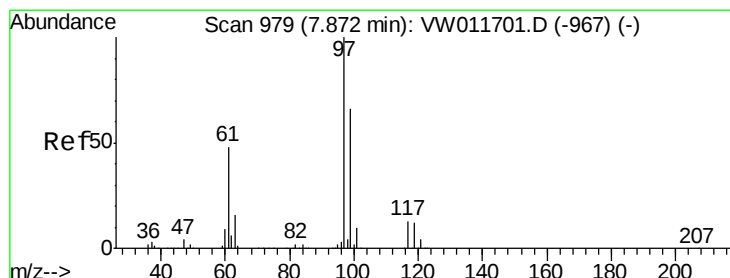
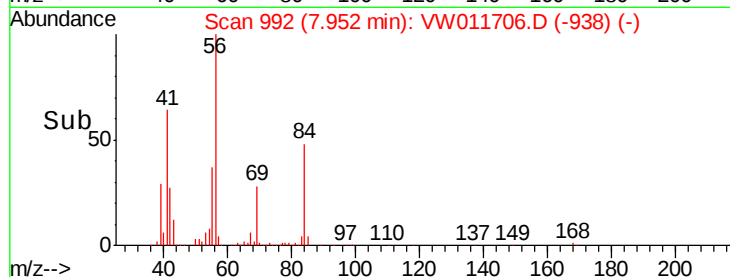
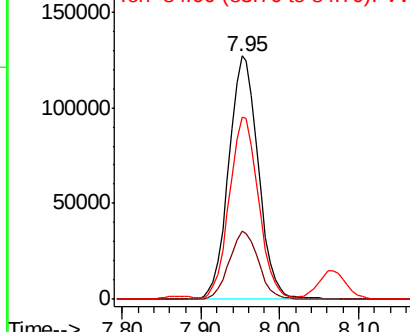
56 100

69 27.9 22.4 33.6

84 74.0 60.6 91.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 27.923 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

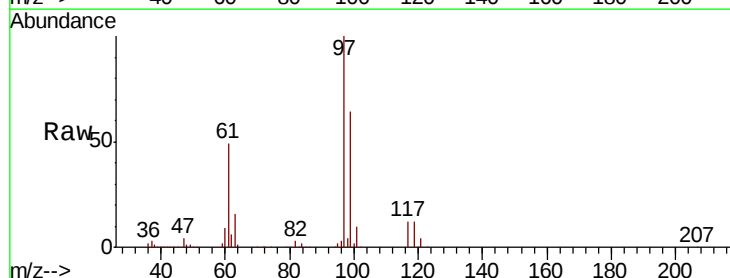
Tgt Ion: 97 Resp: 234714

Ion Ratio Lower Upper

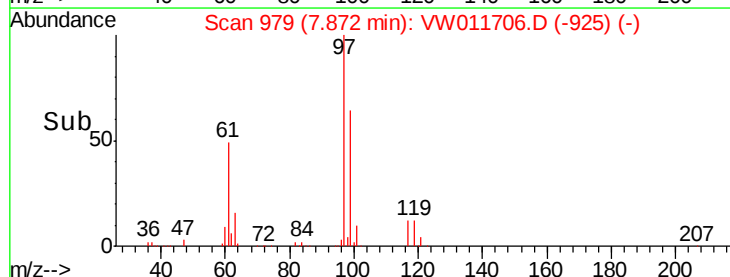
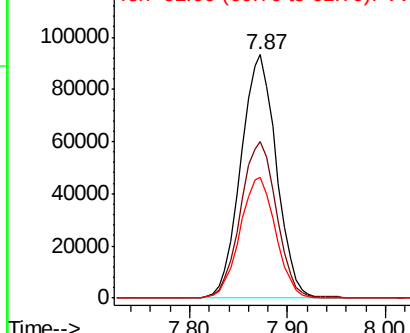
97 100

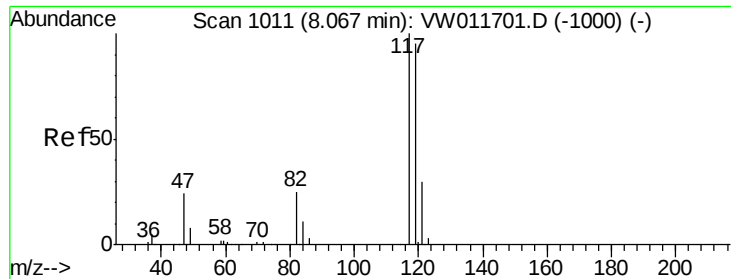
99 65.0 52.1 78.1

61 49.8 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.958 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

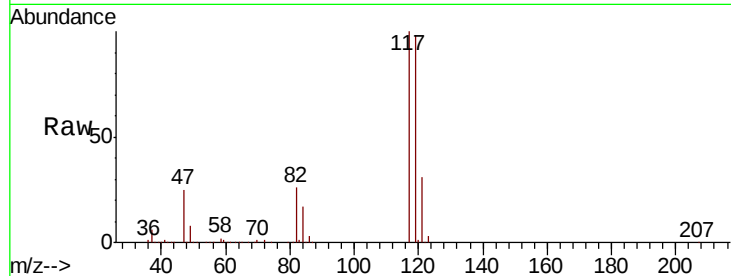
VSTD02508

Tgt Ion:117 Resp: 221092

Ion Ratio Lower Upper

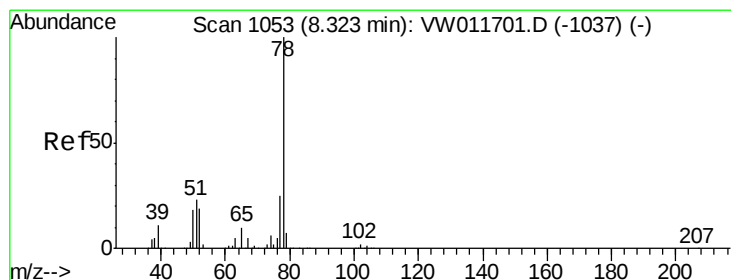
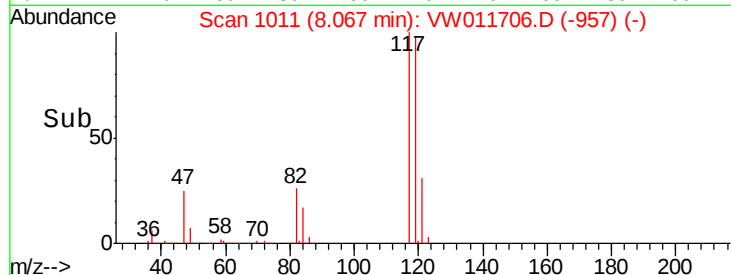
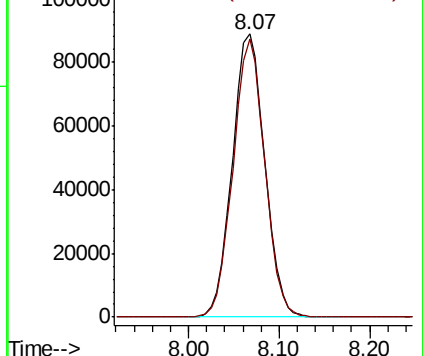
117 100

119 95.7 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: 27.576 ug/L

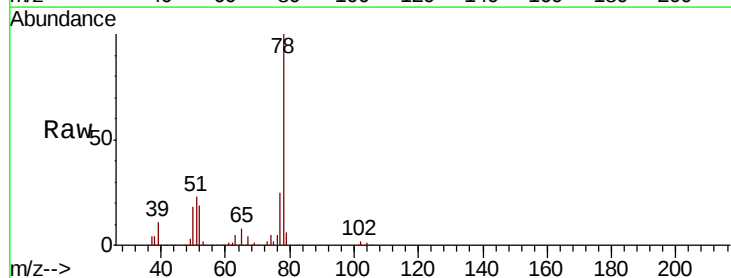
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

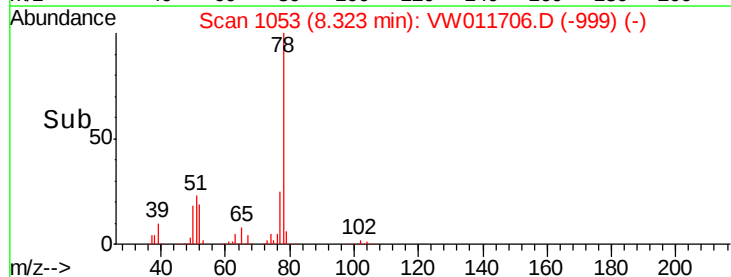
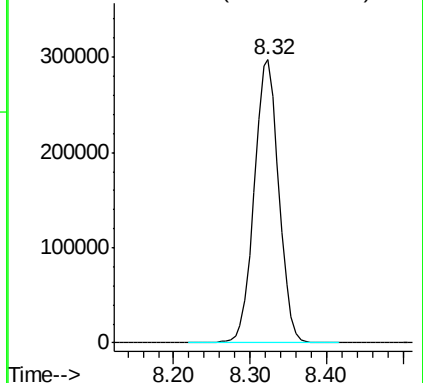
Lab File: VW011706.D

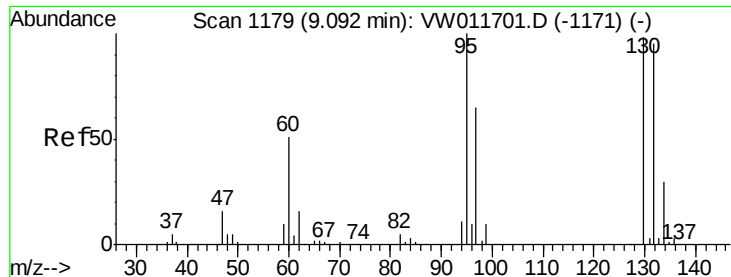
Acq: 05 Aug 2019 13:05

Tgt Ion: 78 Resp: 666662



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.467 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 95 Resp: 168575

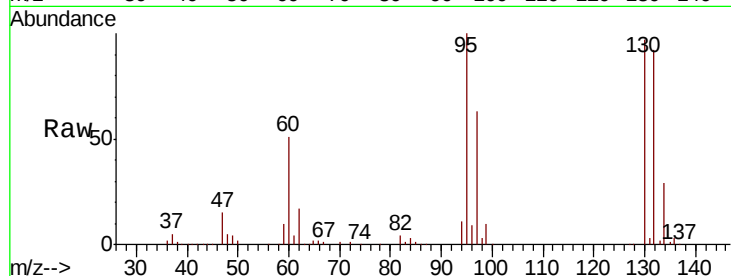
Ion Ratio Lower Upper

95 100

97 63.6 44.8 83.2

132 92.8 65.0 120.6

130 97.2 68.0 126.4



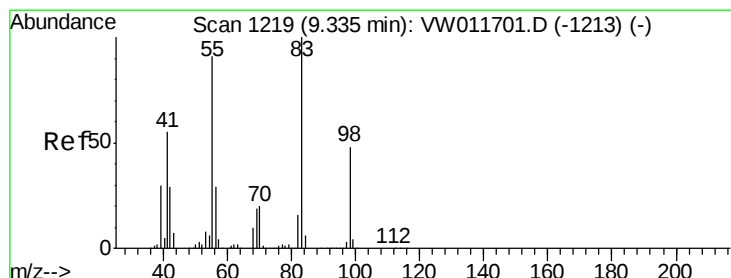
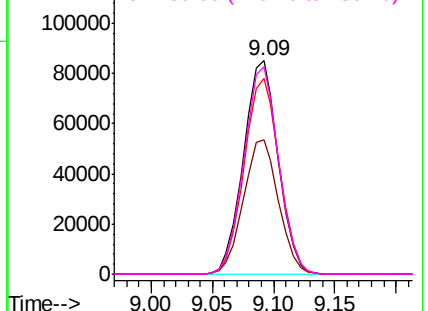
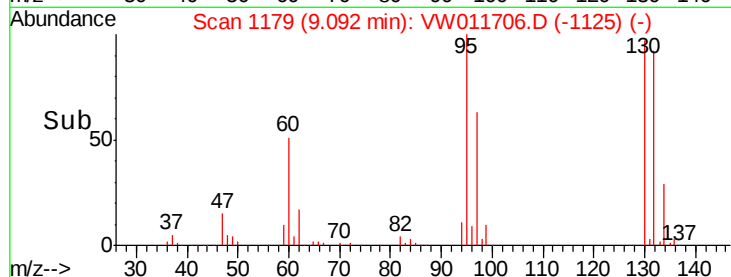
Abundance

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: 28.031 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

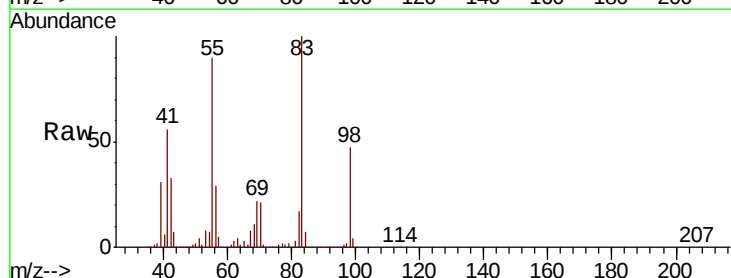
Tgt Ion: 83 Resp: 312098

Ion Ratio Lower Upper

83 100

55 89.1 72.6 108.8

98 46.6 37.8 56.6

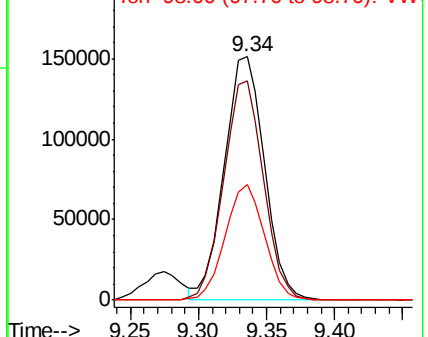
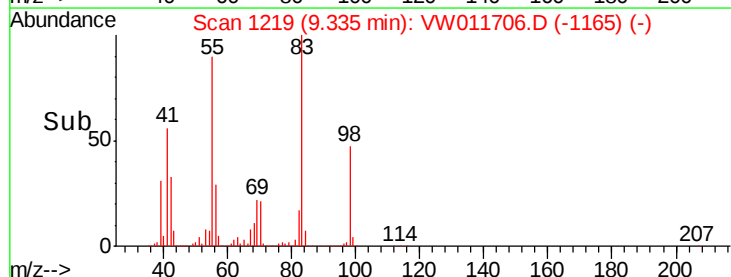


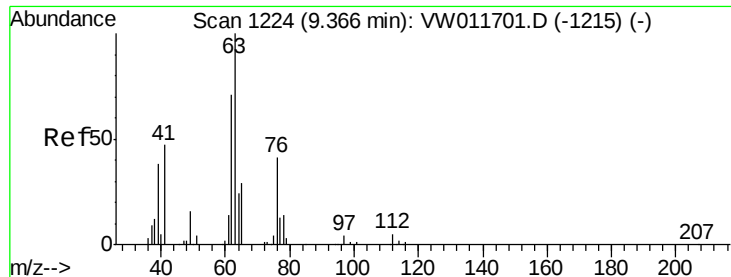
Abundance

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

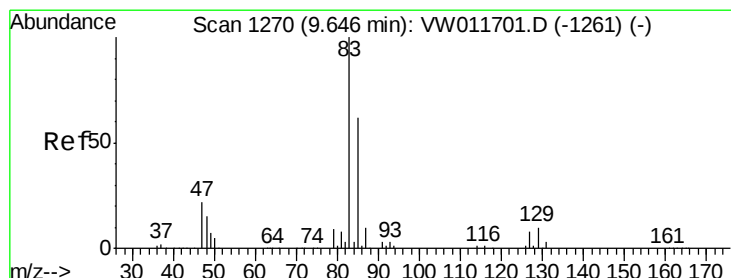
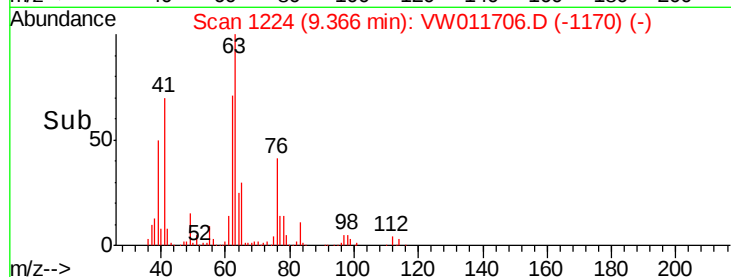
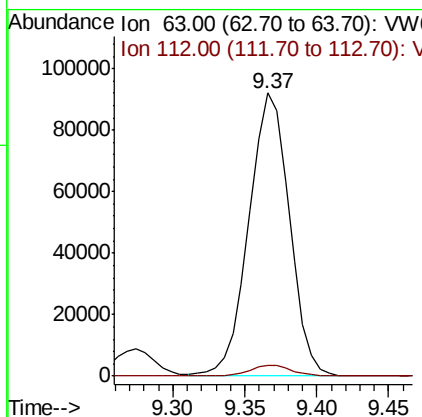
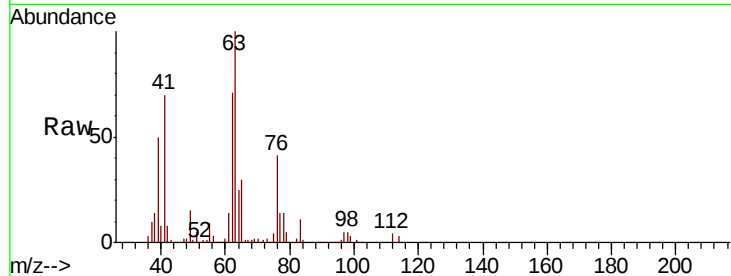




#40
 1,2-Dichloropropane
 Concen: 27.879 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

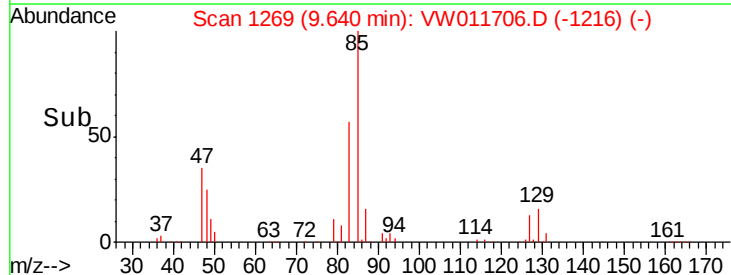
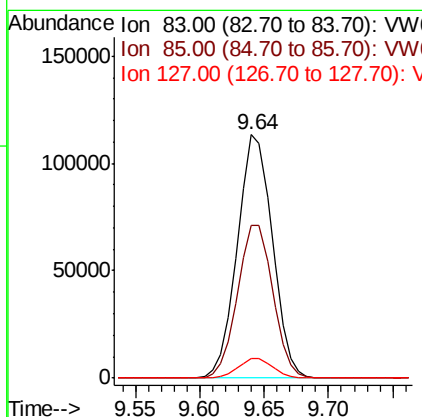
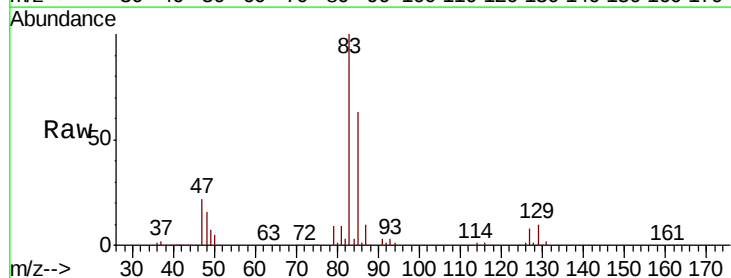
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

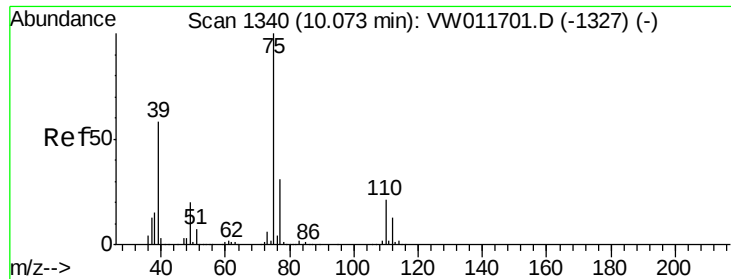
Tgt Ion: 63 Resp: 179907
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#41
 Bromodichloromethane
 Concen: 28.121 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Tgt Ion: 83 Resp: 214142
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.0 81.6
 127 8.0 6.5 9.7

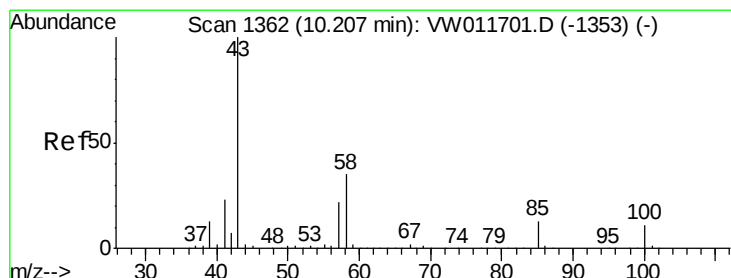
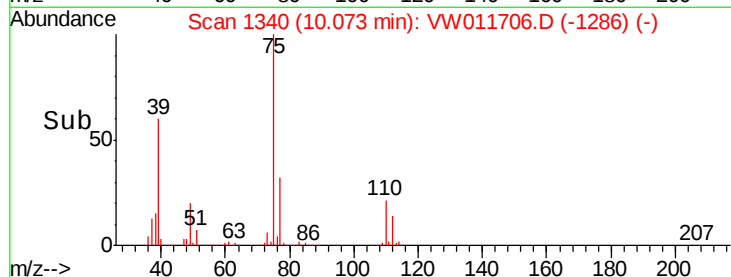
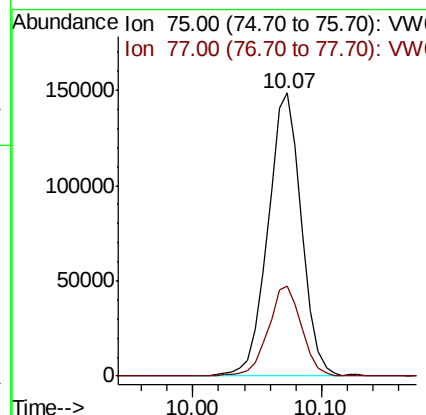
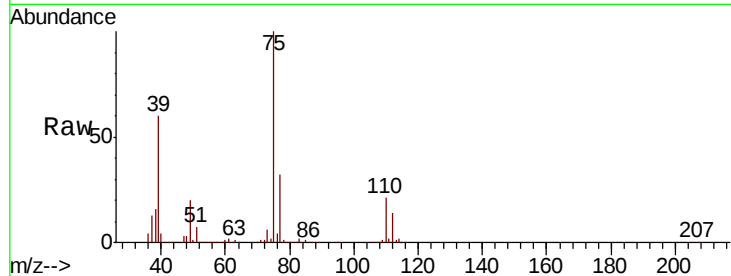




#42
 cis-1,3-Dichloropropene
 Concen: 27.861 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

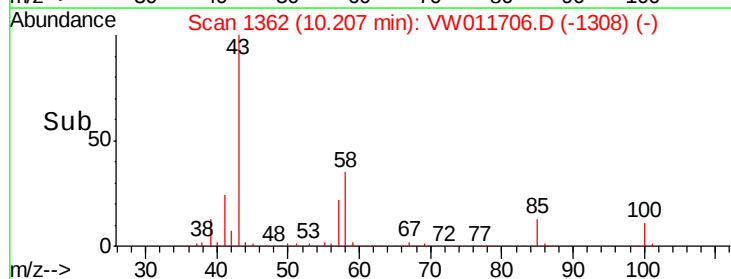
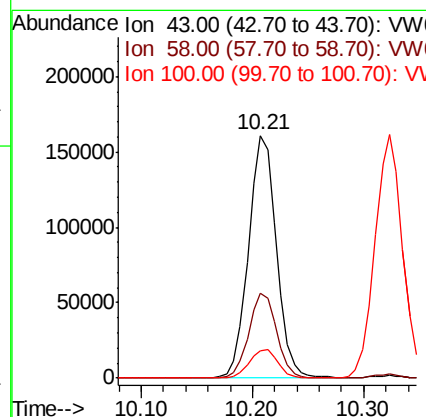
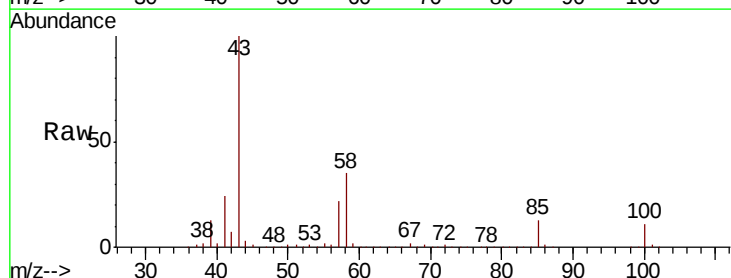
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

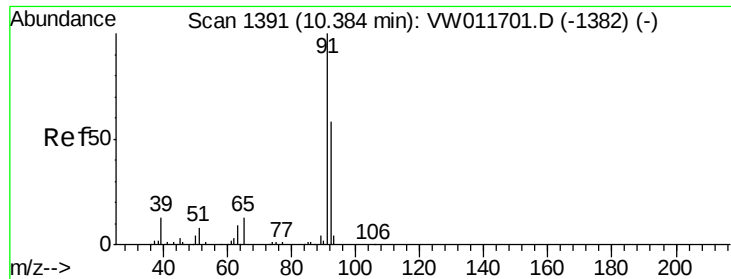
Tgt Ion: 75 Resp: 268919
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 47.849 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Tgt Ion: 43 Resp: 279761
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.0 42.0
 100 11.9 9.4 14.2





#44

Toluene

Concen: 28.221 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

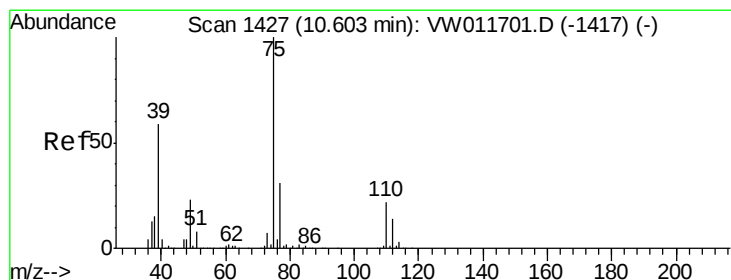
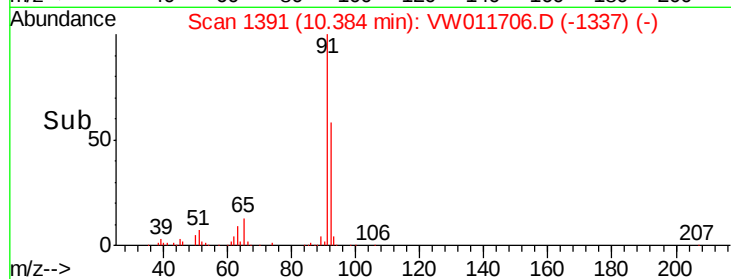
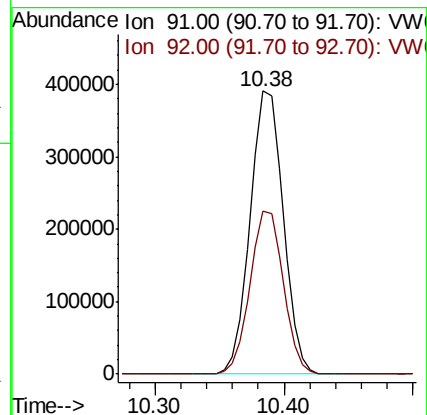
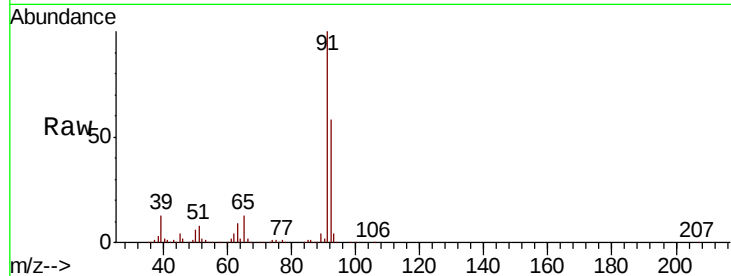
VSTD02508

Tgt Ion: 91 Resp: 693148

Ion Ratio Lower Upper

91 100

92 57.6 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 27.388 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011706.D

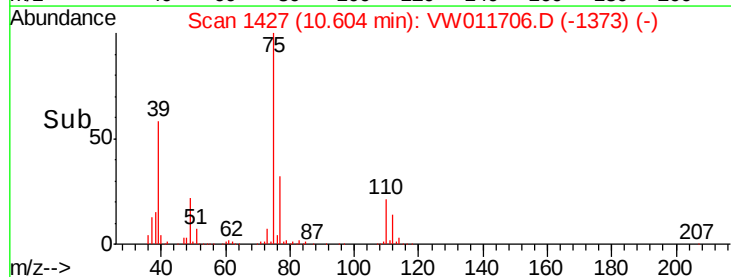
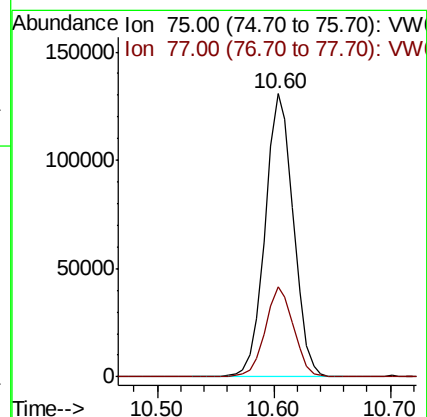
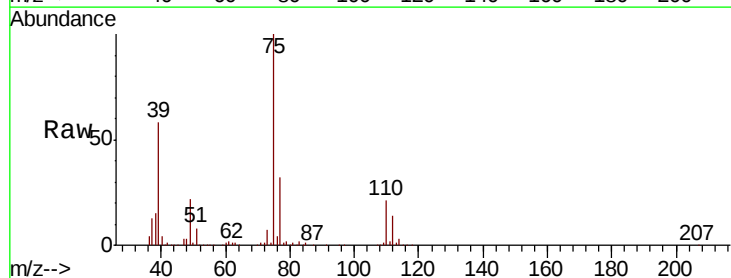
Acq: 05 Aug 2019 13:05

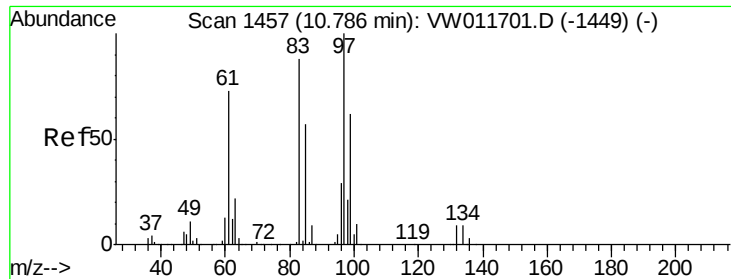
Tgt Ion: 75 Resp: 219943

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 26.149 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 97 Resp: 115045

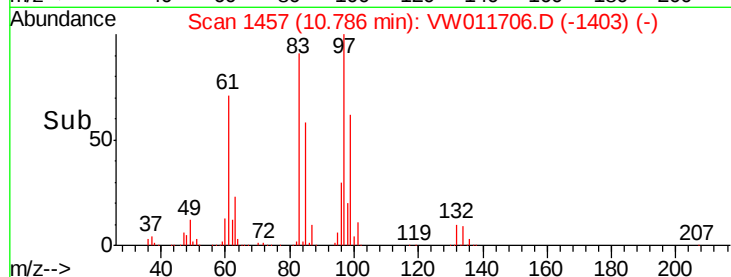
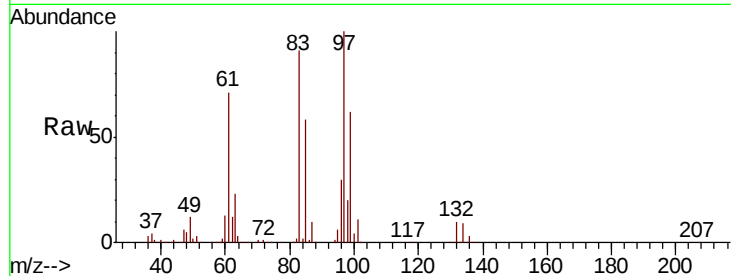
Ion Ratio Lower Upper

97 100

83 90.8 63.8 118.6

85 57.9 39.3 72.9

99 62.3 43.5 80.7

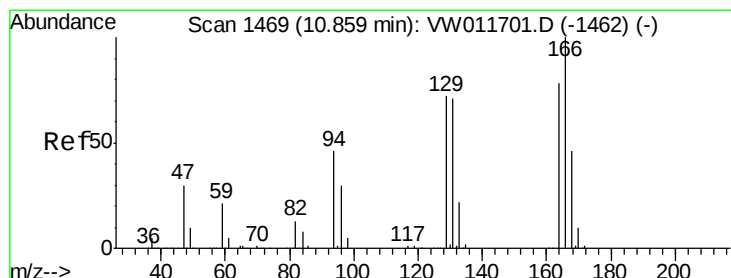
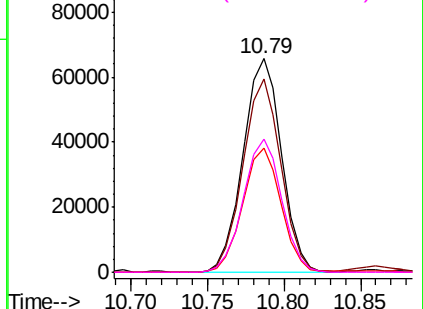


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 27.622 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Tgt Ion: 164 Resp: 129489

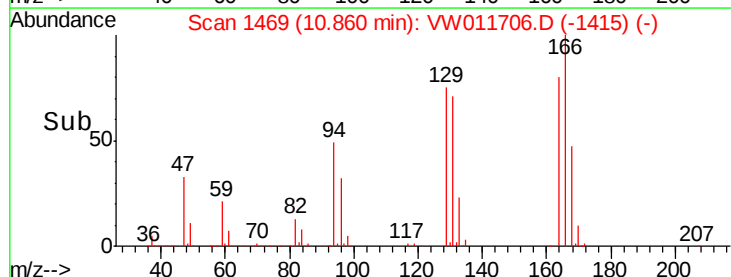
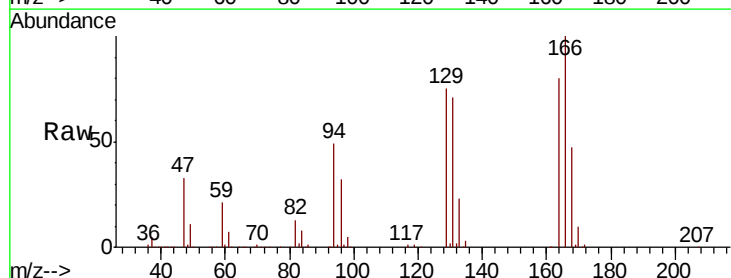
Ion Ratio Lower Upper

164 100

129 93.5 64.0 119.0

131 89.3 58.6 108.8

166 125.3 91.7 170.3

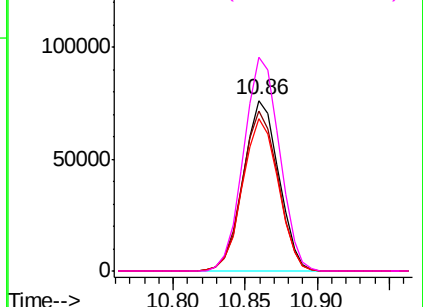


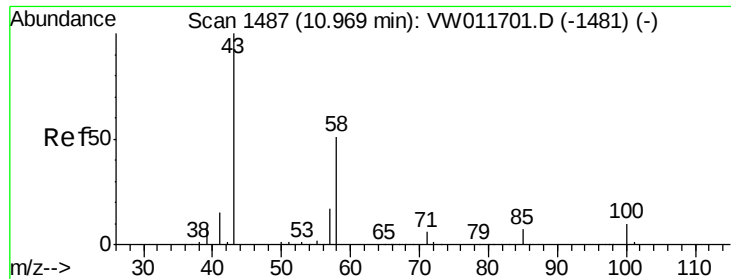
Abundance Ion 164.00 (163.70 to 164.70): V

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: 46.856 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 43 Resp: 211069

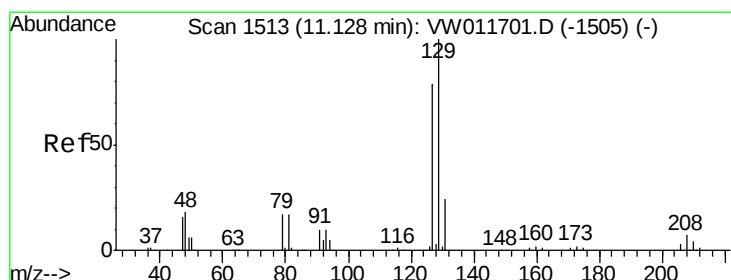
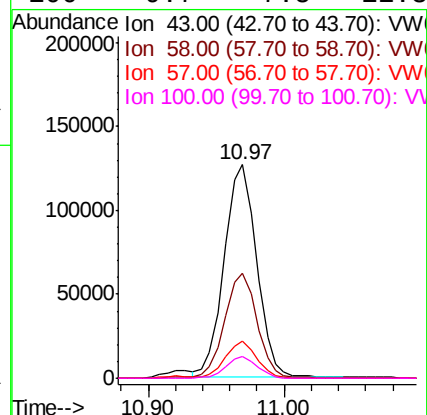
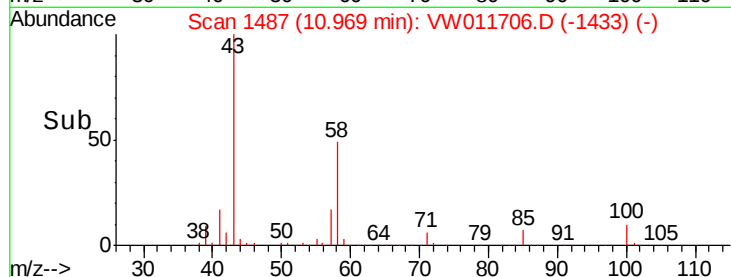
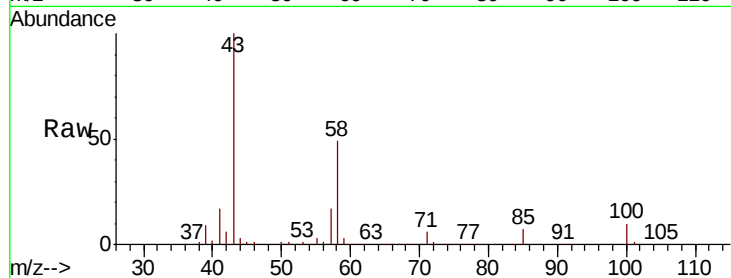
Ion Ratio Lower Upper

43 100

58 49.7 38.6 57.8

57 16.5 13.0 19.6

100 9.7 7.5 11.3



#50

Dibromochloromethane

Concen: 27.860 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011706.D

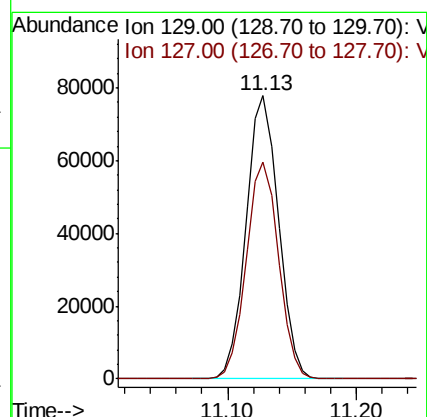
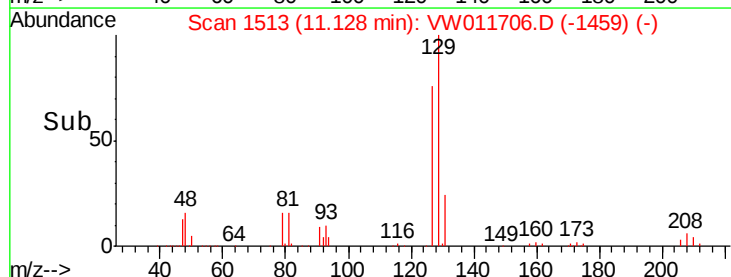
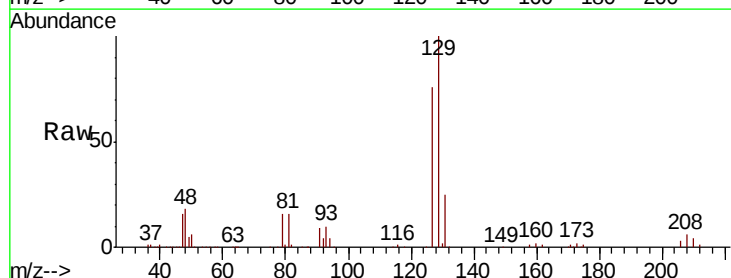
Acq: 05 Aug 2019 13:05

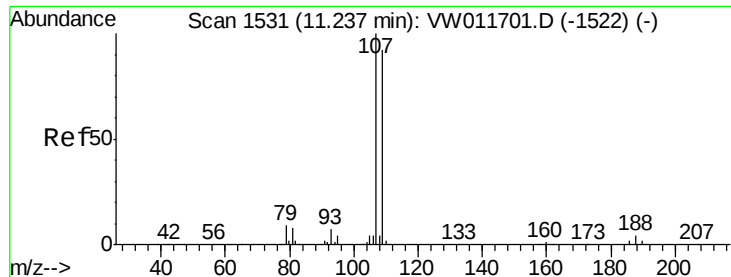
Tgt Ion: 129 Resp: 135102

Ion Ratio Lower Upper

129 100

127 76.5 52.6 97.6

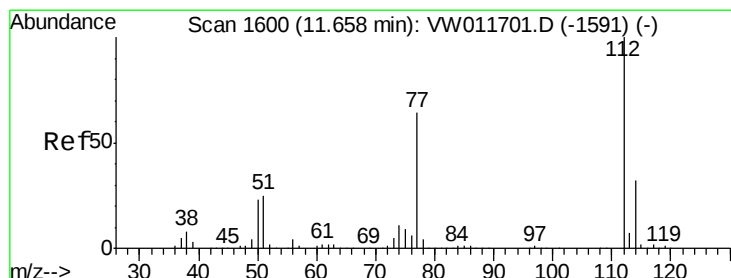
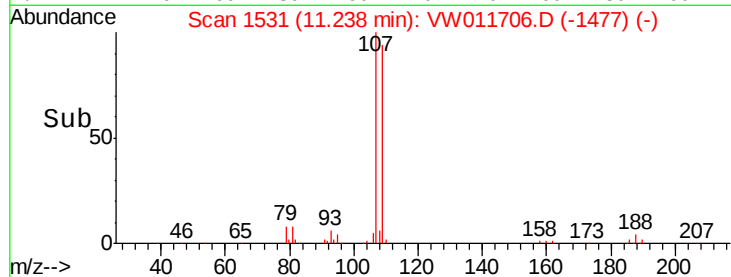
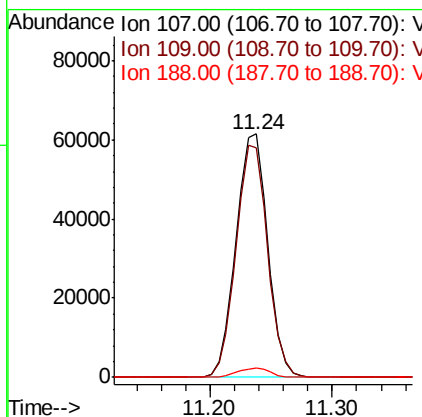
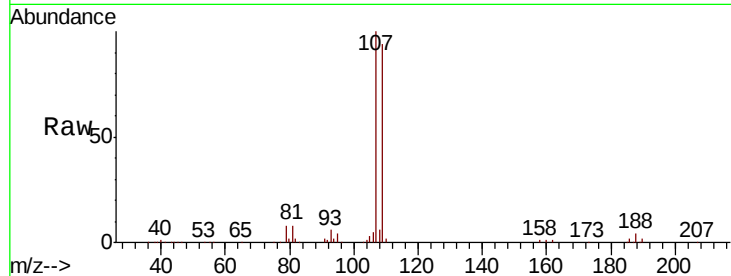




#51
 1,2-Dibromoethane
 Concen: 25.781 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

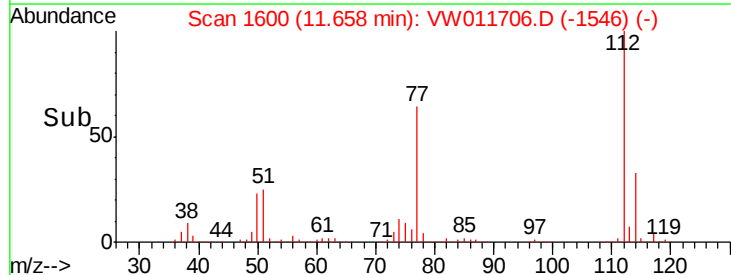
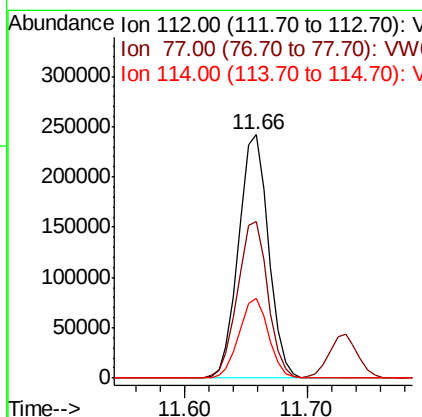
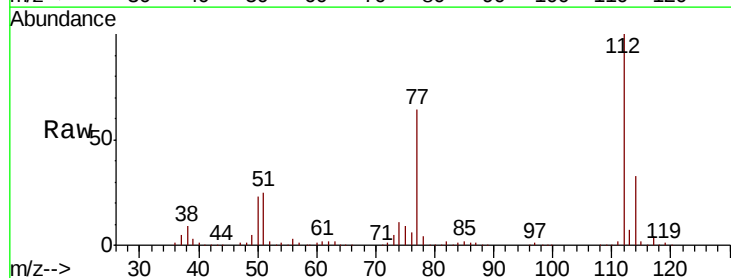
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

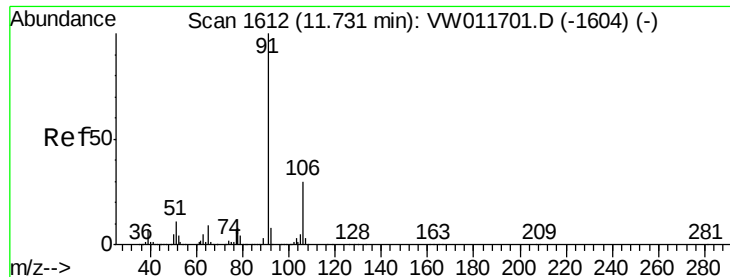
Tgt Ion:107 Resp: 110371
 Ion Ratio Lower Upper
 107 100
 109 94.3 66.1 122.8
 188 4.0 2.9 4.3



#52
 Chlorobenzene
 Concen: 27.685 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Tgt Ion:112 Resp: 410249
 Ion Ratio Lower Upper
 112 100
 77 64.1 51.0 76.4
 114 32.8 22.4 41.6





#53

Ethylbenzene

Concen: 28.450 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampled :

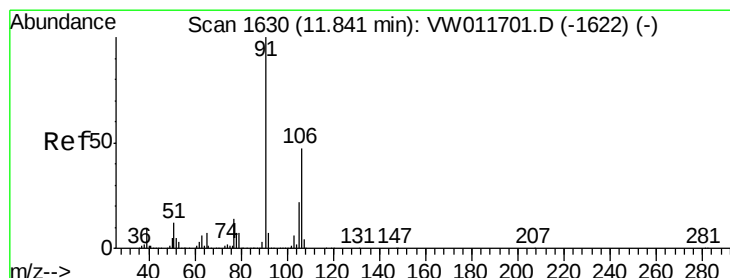
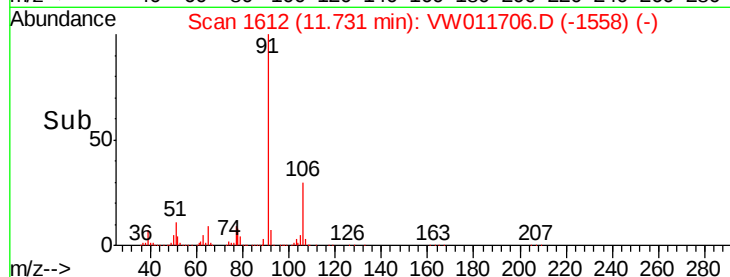
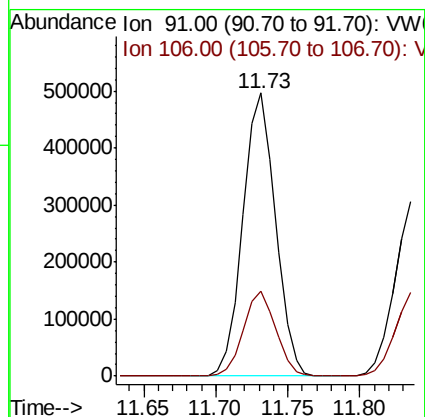
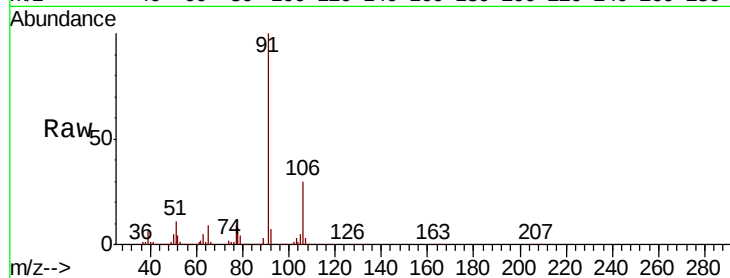
VSTD02508

Tgt Ion: 91 Resp: 779264

Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.4



#54

m,p-Xylene

Concen: 28.546 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011706.D

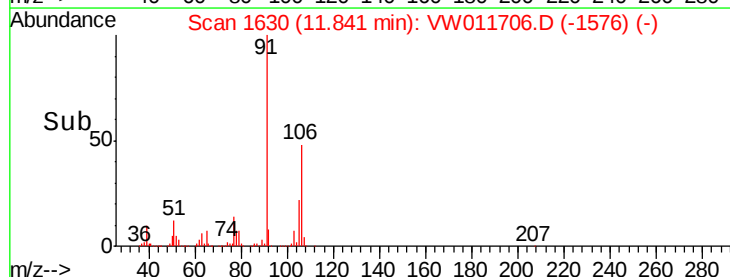
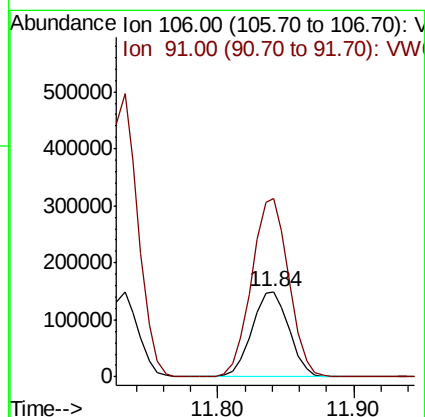
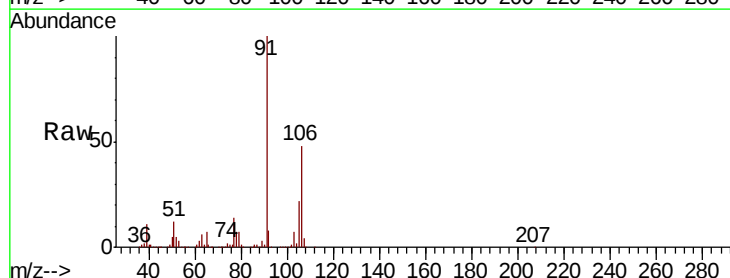
Acq: 05 Aug 2019 13:05

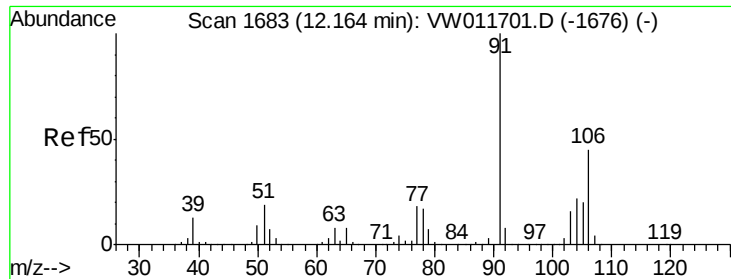
Tgt Ion: 106 Resp: 284318

Ion Ratio Lower Upper

106 100

91 209.3 149.6 277.8





#55

o-xylene

Concen: 28.430 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

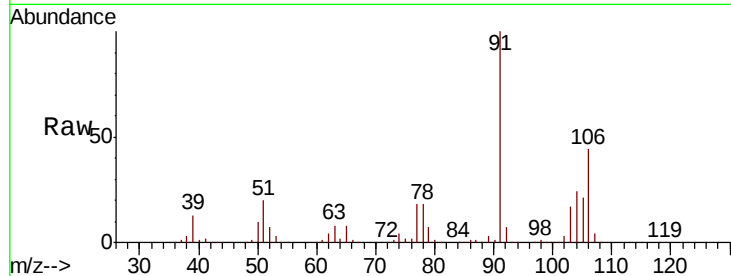
VSTD02508

Tgt Ion:106 Resp: 266490

Ion Ratio Lower Upper

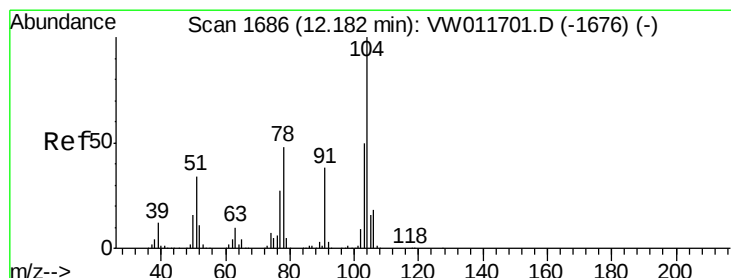
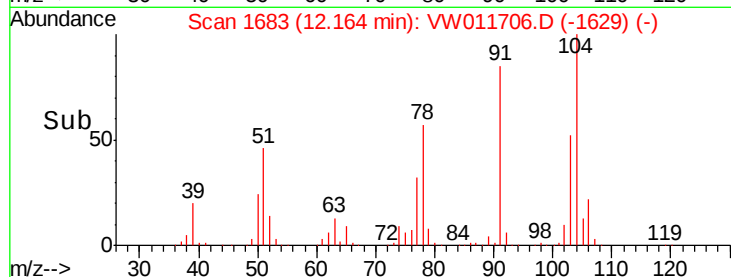
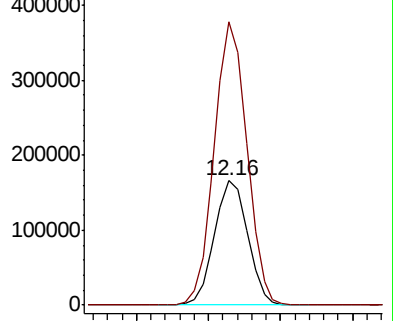
106 100

91 228.2 158.3 293.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.540 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011706.D

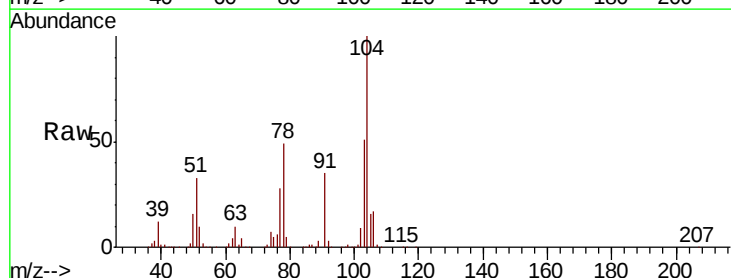
Acq: 05 Aug 2019 13:05

Tgt Ion:104 Resp: 454814

Ion Ratio Lower Upper

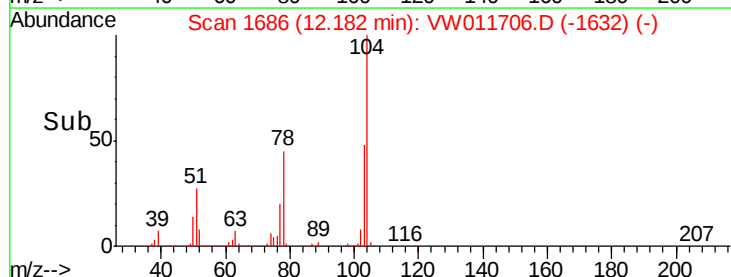
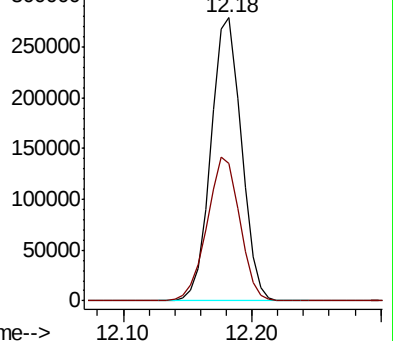
104 100

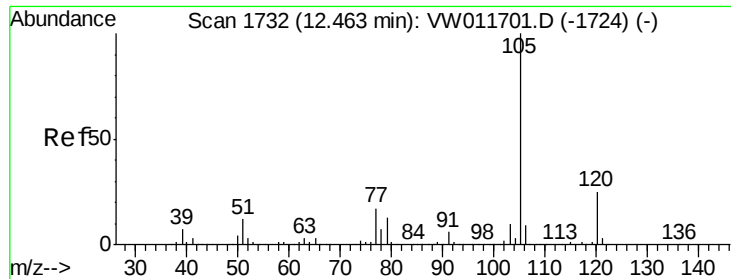
78 48.7 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.653 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

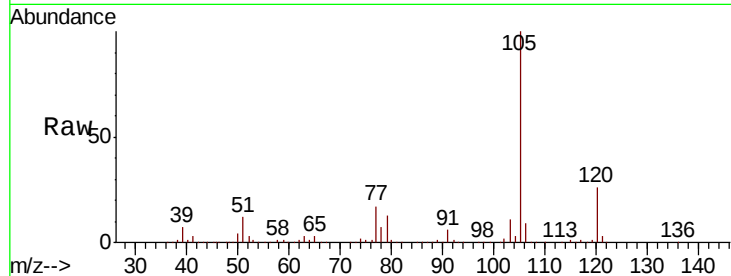
Tgt Ion: 105 Resp: 738878

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

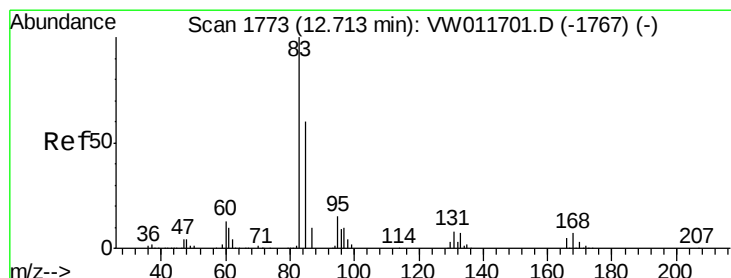
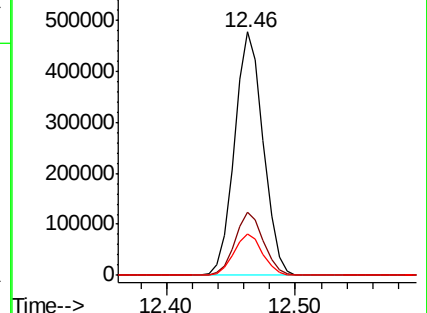
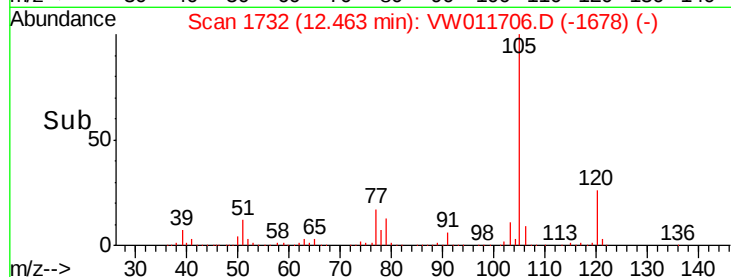
77 17.0 13.4 20.2



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: 25.158 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

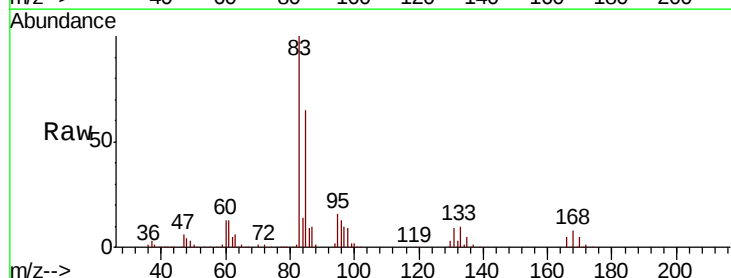
Tgt Ion: 83 Resp: 147088

Ion Ratio Lower Upper

83 100

85 64.6 43.5 80.9

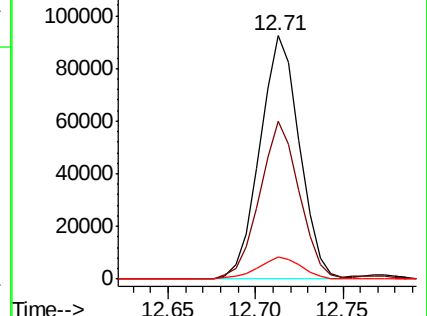
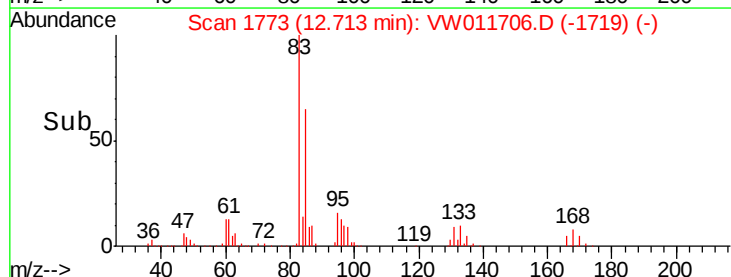
131 9.0 7.5 11.3

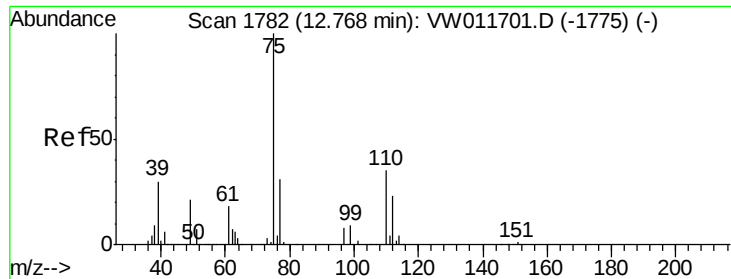


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

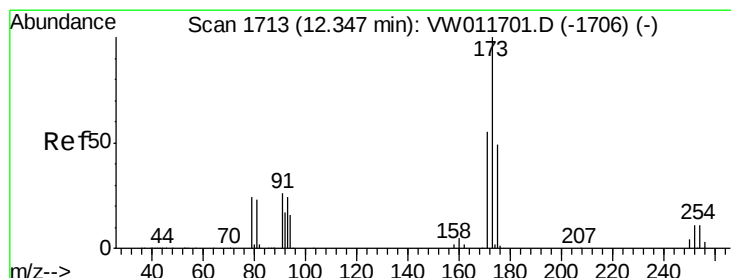
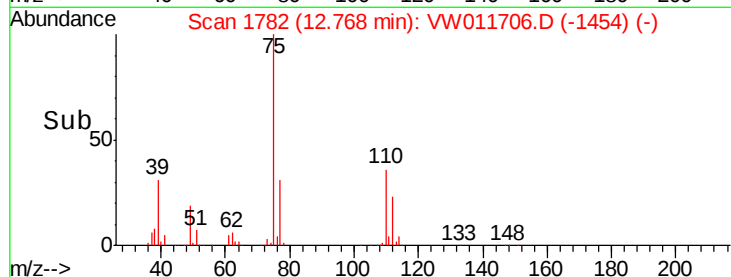
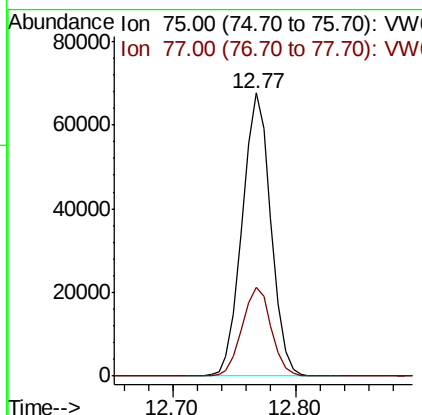
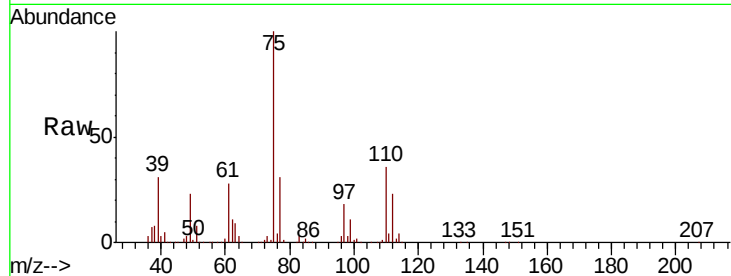




#59
 1,2,3-Trichloropropane
 Concen: 24.356 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

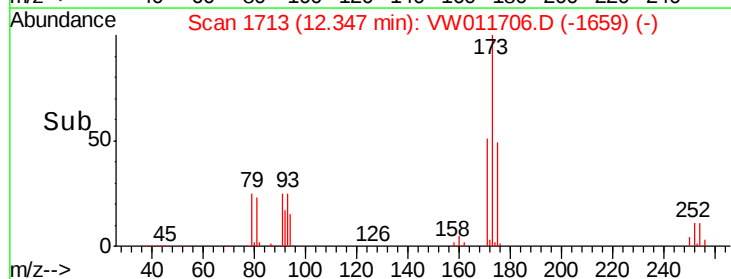
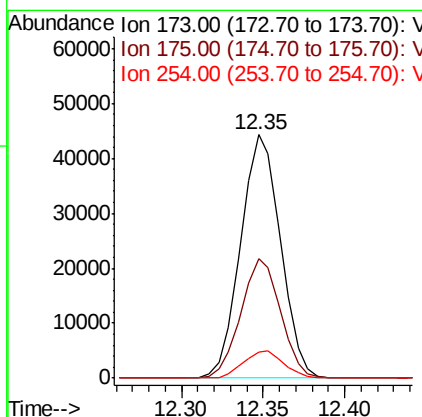
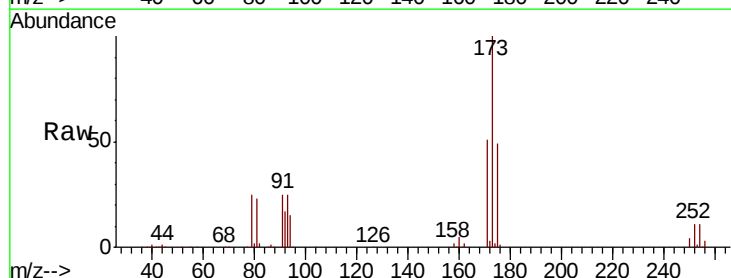
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

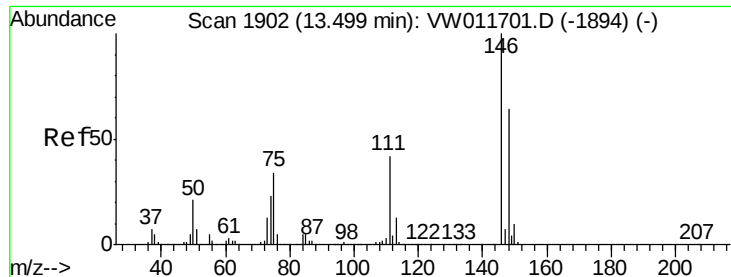
Tgt Ion: 75 Resp: 109829
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7



#62
 Bromoform
 Concen: 25.050 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Tgt Ion: 173 Resp: 75585
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.4 59.0
 254 11.2 9.0 13.6

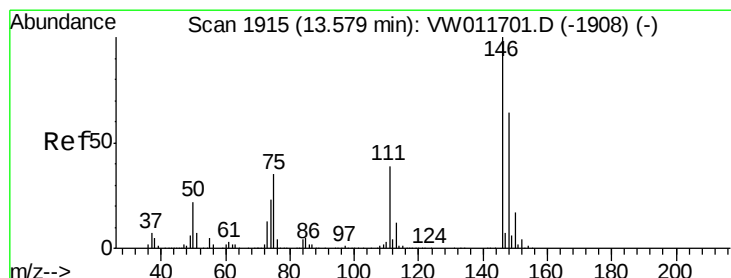
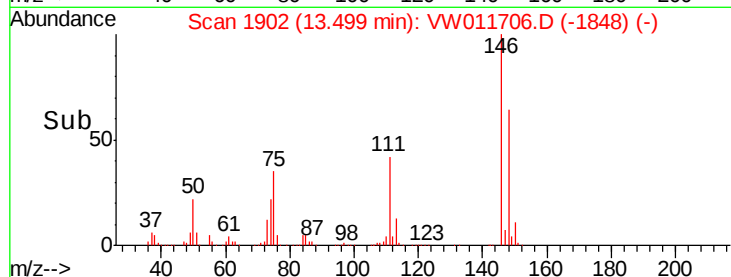
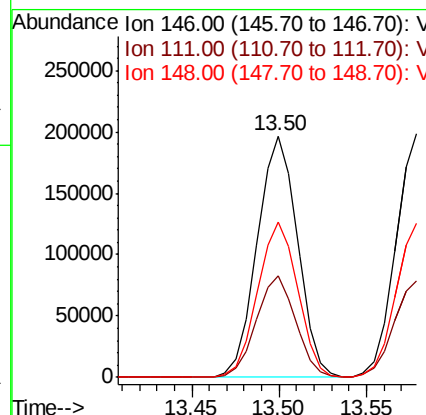
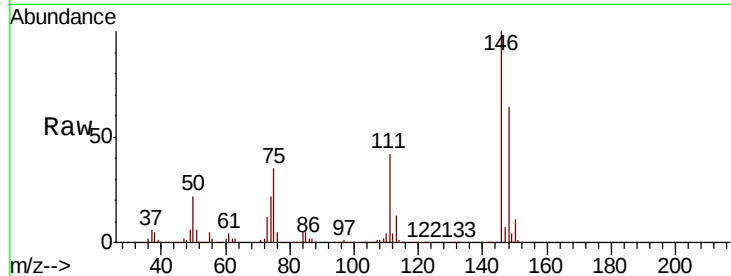




#63
 1,3-Dichlorobenzene
 Concen: 27.498 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

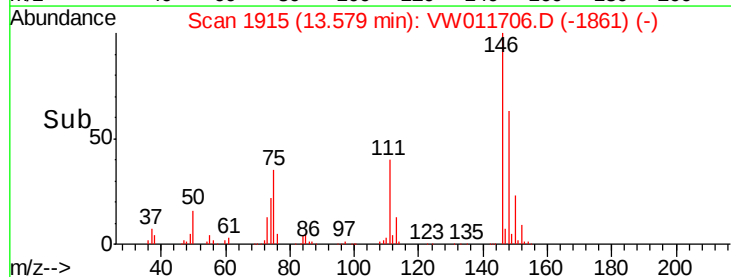
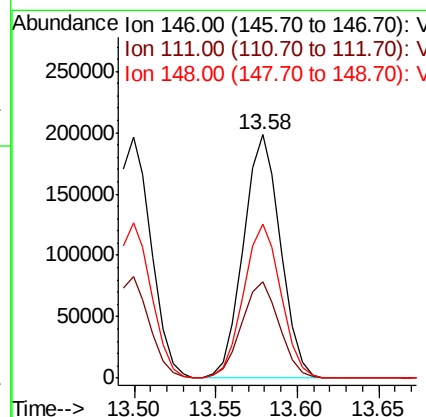
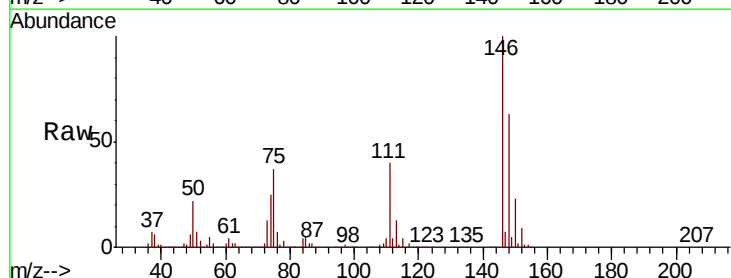
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

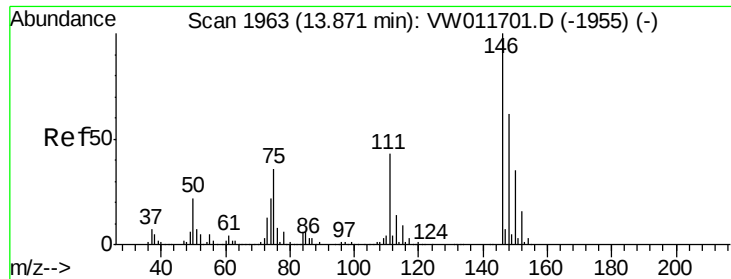
Tgt Ion:146 Resp: 314765
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.6 53.2
 148 64.1 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 27.280 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Tgt Ion:146 Resp: 313588
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.4 51.0
 148 63.2 44.4 82.5

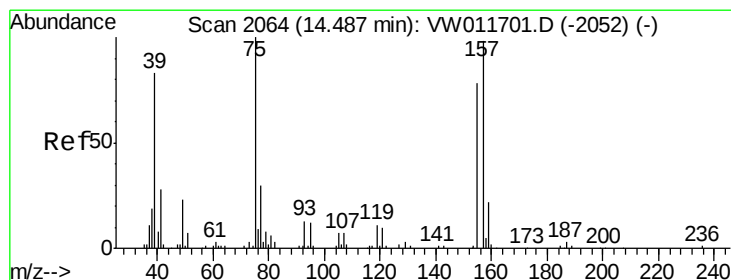
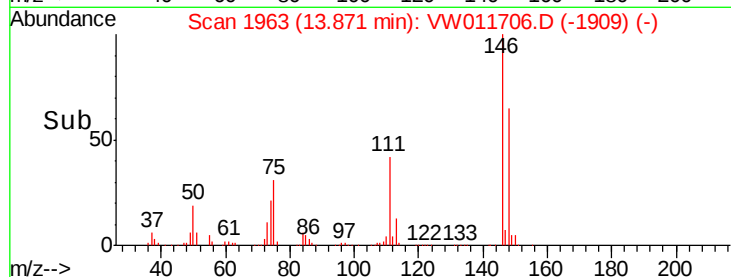
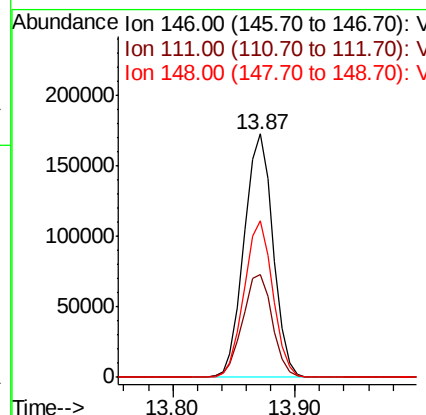
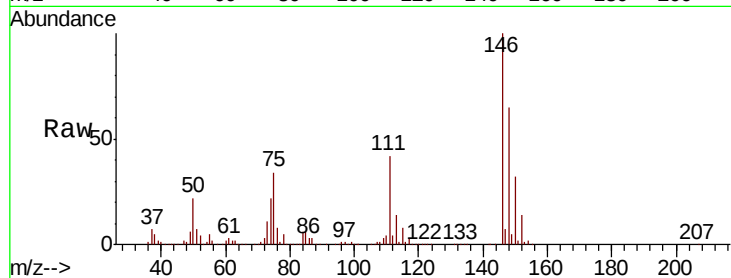




#65
 1,2-Dichlorobenzene
 Concen: 27.386 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

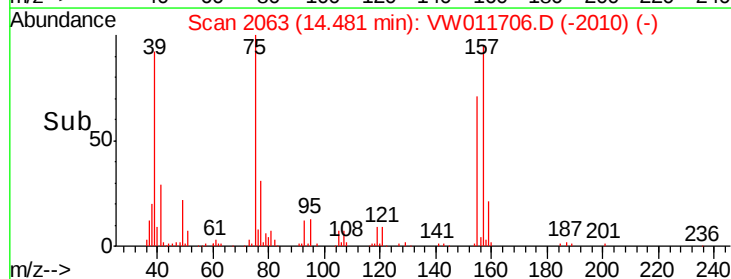
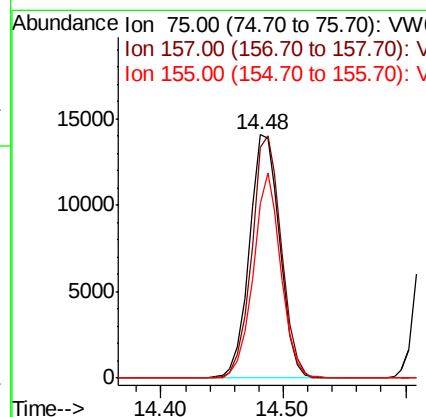
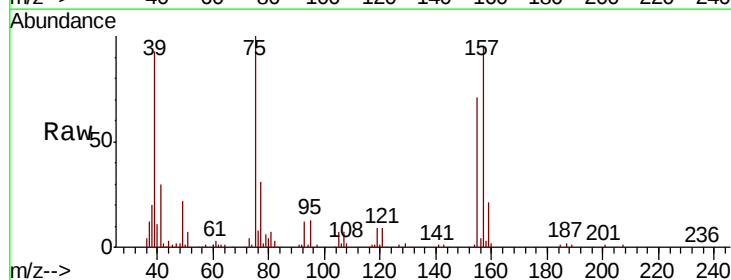
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

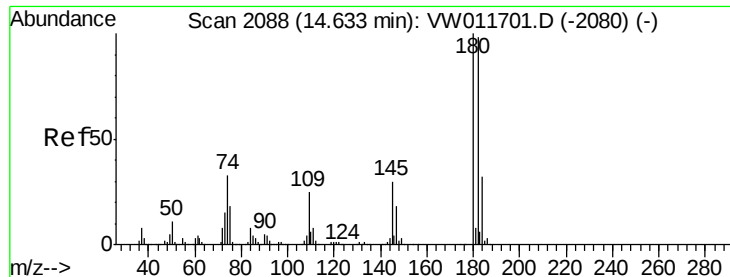
Tgt Ion: 146 Resp: 283858
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.6 51.8
 148 64.6 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.631 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Tgt Ion: 75 Resp: 24278
 Ion Ratio Lower Upper
 75 100
 157 94.8 79.3 118.9
 155 71.4 59.9 89.9

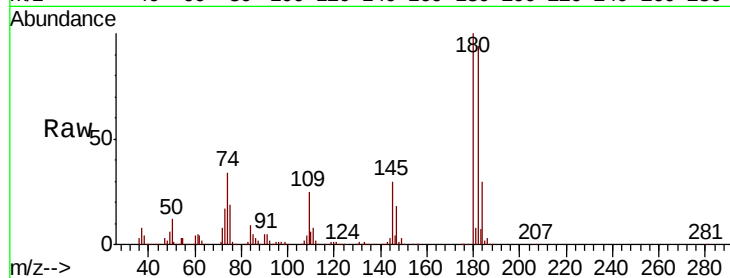




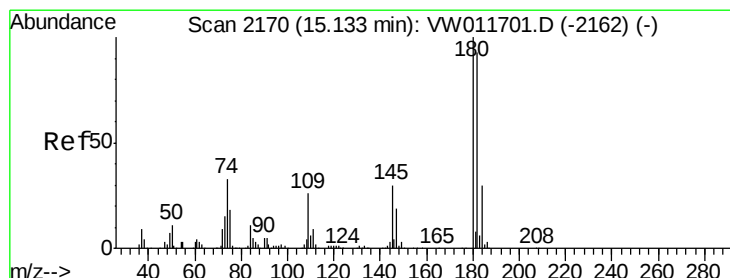
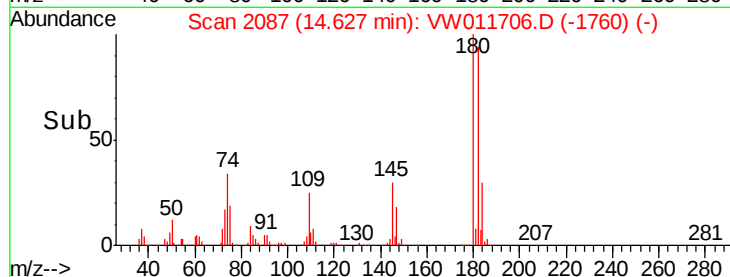
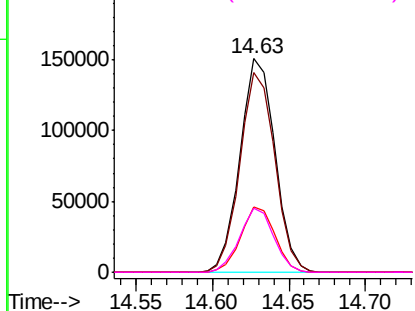
#67
 1,3,5-Trichlorobenzene
 Concen: 28.421 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:	180	Resp:	239453
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.9	113.9
184	30.1	24.2	36.2
145	29.5	23.0	34.6

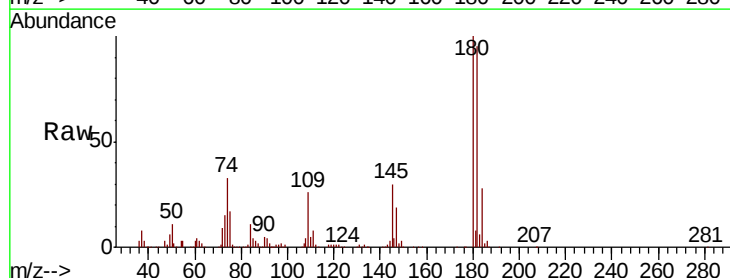


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

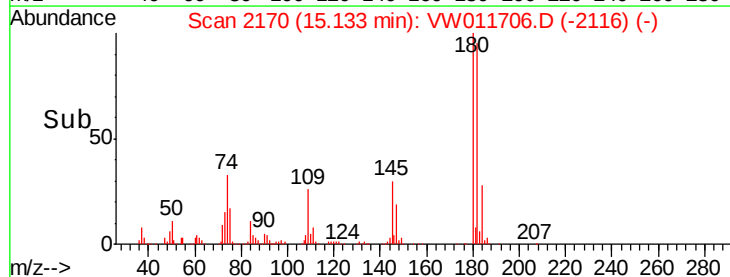
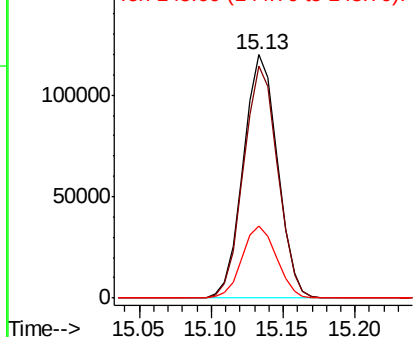


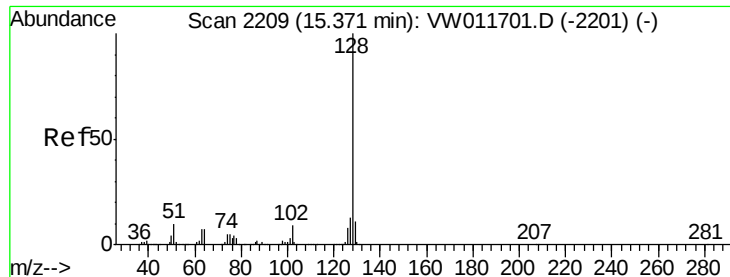
#68
 1,2,4-trichlorobenzene
 Concen: 29.091 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011706.D
 Acq: 05 Aug 2019 13:05

Tgt Ion:	180	Resp:	197390
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.3	115.9
145	29.9	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: 26.305 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

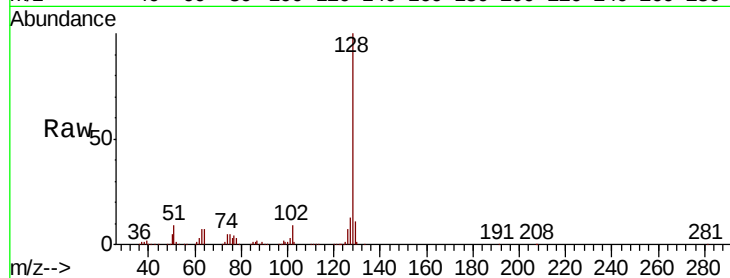
Tgt Ion:128 Resp: 359429

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

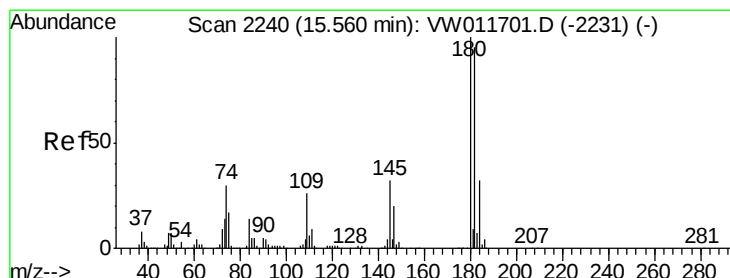
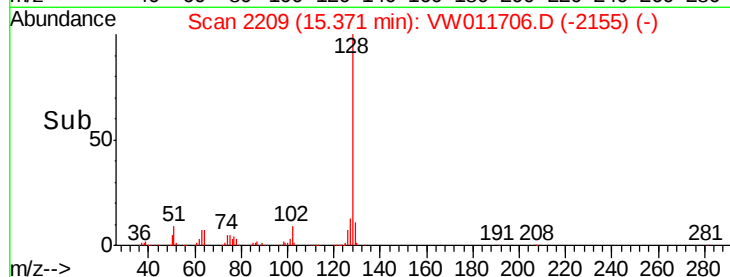
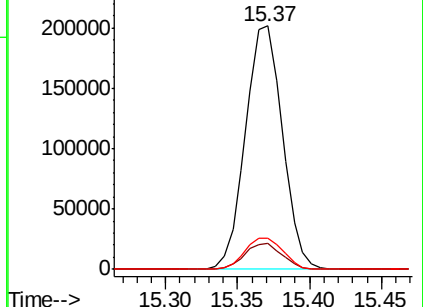
127 13.3 10.6 16.0



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: 27.646 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011706.D

Acq: 05 Aug 2019 13:05

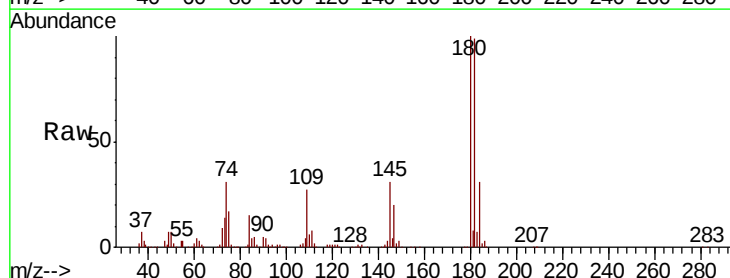
Tgt Ion:180 Resp: 173735

Ion Ratio Lower Upper

180 100

182 96.8 74.9 112.3

145 31.8 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

