

Data File : VW014702.D
Acq On : 20 Jan 2020 20:34
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

Quant Time: Jan 21 03:43:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 21 03:38:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1162454	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1027423	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	498249	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	302620	18.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.88%
7) Chloroethane-d5	2.89	69	272108	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.16%
10) 1,1-Dichloroethene-d2	4.03	63	664116	22.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.64%
20) 2-Butanone-d5	7.07	46	220663	56.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.18%
24) Chloroform-d	7.65	84	678126	25.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.44%
26) 1,2-Dichloroethane-d4	8.30	65	348710	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.52%
29) Benzene-d6	8.27	84	1416195	25.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.68%
33) 1,2-Dichloropropane-d6	9.27	67	442845	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.84%
37) Toluene-d8	10.32	98	1295267	26.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.60%
38) trans-1,3-Dichloropropene-	10.57	79	174390	25.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.80%
39) 2-Hexanone-d5	10.92	63	175152	62.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	342846	27.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	454129	27.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	202123	19.437 ug/L	95
3) Chloromethane	2.21	50	232727	19.796 ug/L	99
5) Vinyl chloride	2.36	62	379745	22.701 ug/L	99
6) Bromomethane	2.78	94	226807	23.219 ug/L	98
8) Chloroethane	2.92	64	224430	23.993 ug/L	99
9) Trichlorofluoromethane	3.25	101	183952	20.790 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	353939	23.302 ug/L	99
12) 1,1-Dichloroethene	4.04	96	356359	23.959 ug/L	97
13) Acetone	4.12	43	170708	31.619 ug/L	96
14) Carbon disulfide	4.39	76	1024501	22.310 ug/L	99
15) Methyl Acetate	4.67	43	184465	25.320 ug/L	99
16) Methylene chloride	4.91	84	415134	21.900 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	551691	28.817 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	382076	24.385 ug/L	99
19) 1,1-Dichloroethane	6.21	63	715817	25.273 ug/L	99
21) 2-Butanone	7.17	43	259897	44.868 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	424422	25.734 ug/L	97

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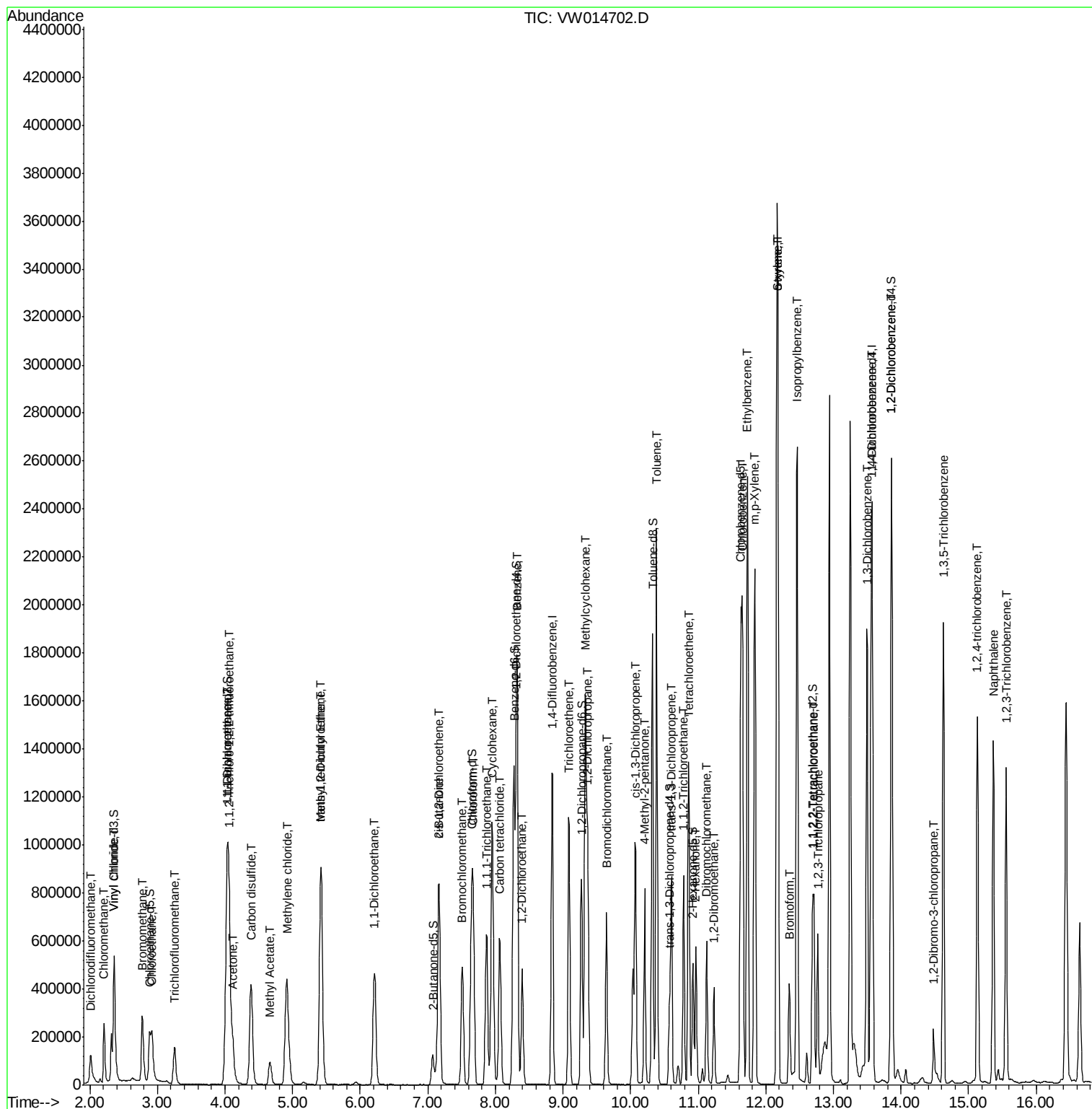
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	182231	25.524	ug/L	96
25) Chloroform	7.67	83	683887	25.244	ug/L	100
27) 1,2-Dichloroethane	8.40	62	432550	24.596	ug/L	100
30) Cyclohexane	7.95	56	664904	25.299	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	525205	24.920	ug/L	99
32) Carbon tetrachloride	8.07	117	477103	24.297	ug/L	98
34) Benzene	8.32	78	1602748	25.922	ug/L	100
35) Trichloroethene	9.09	95	400798	25.117	ug/L	99
36) Methylcyclohexane	9.33	83	687813	24.569	ug/L	99
40) 1,2-Dichloropropane	9.37	63	407053	26.011	ug/L	100
41) Bromodichloromethane	9.64	83	483403	25.680	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	621190	26.573	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	536818	53.436	ug/L	100
44) Toluene	10.38	91	1690161	26.158	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	485011	25.947	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	290152	26.176	ug/L	98
47) Tetrachloroethene	10.86	164	331251	24.722	ug/L	99
49) 2-Hexanone	10.96	43	374224	54.551	ug/L	99
50) Dibromochloromethane	11.13	129	328641	26.111	ug/L	95
51) 1,2-Dibromoethane	11.23	107	274887	26.271	ug/L	97
52) Chlorobenzene	11.65	112	1053023	25.781	ug/L	99
53) Ethylbenzene	11.73	91	1854778	26.108	ug/L	100
54) m,p-Xylene	11.84	106	709097	26.376	ug/L	94
55) o-xylene	12.16	106	674629	26.567	ug/L	99
56) Styrene	12.18	104	1170475	27.386	ug/L	97
57) Isopropylbenzene	12.46	105	1802743	26.689	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	350722	26.060	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	263337	26.120	ug/L	100
62) Bromoform	12.35	173	195923	26.315	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	823822	26.116	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	817421	25.699	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	754334	26.675	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	59384	28.358	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	637280	27.272	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	531347	30.334	ug/L	100
69) Naphthalene	15.36	128	1232068	40.741	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	482147	30.375	ug/L	99

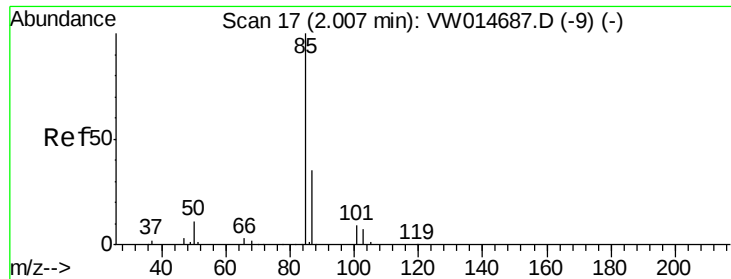
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.437 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

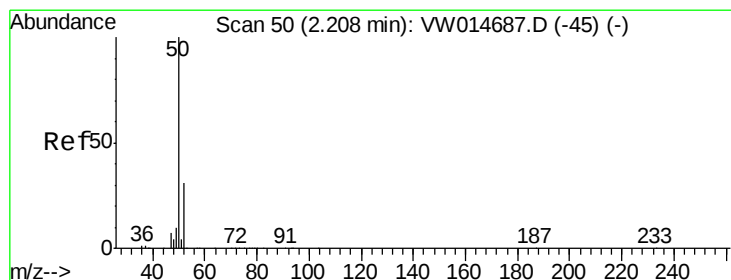
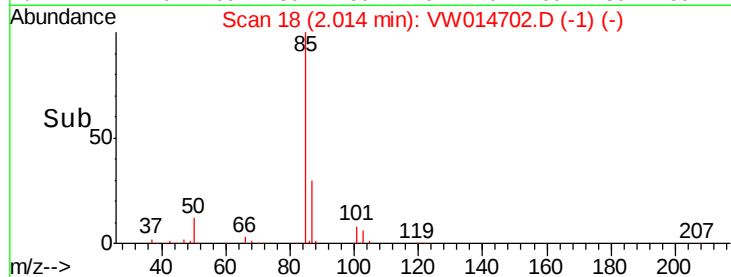
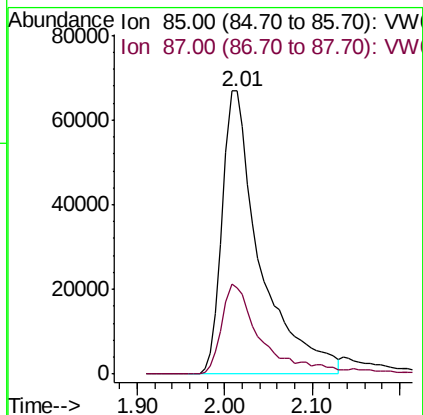
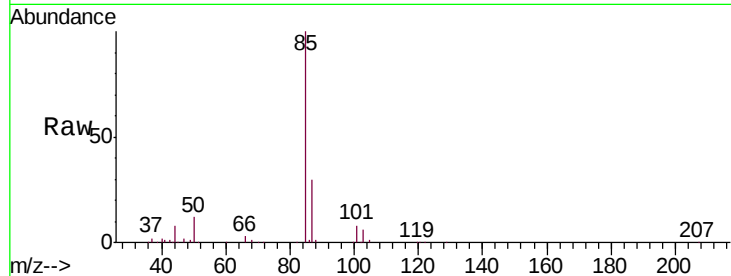
VSTD02521

Tgt Ion: 85 Resp: 202123

Ion Ratio Lower Upper

85 100

87 27.7 21.5 39.9



#3

Chloromethane

Concen: 19.796 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014702.D

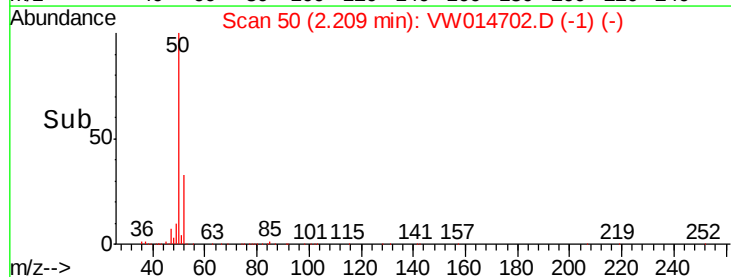
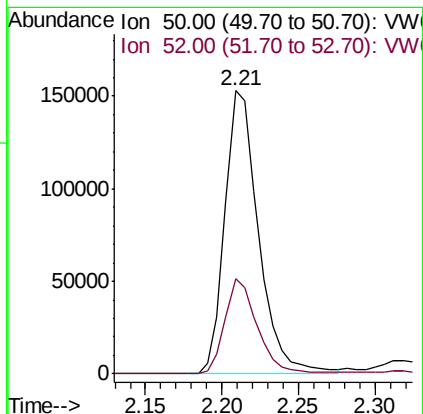
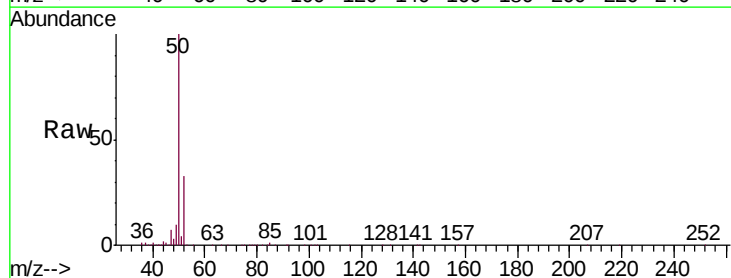
Acq: 20 Jan 2020 20:34

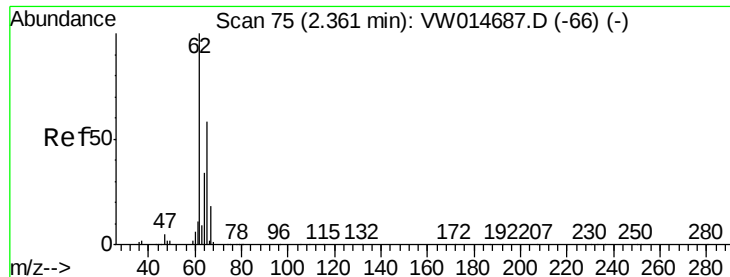
Tgt Ion: 50 Resp: 232727

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.8





#5

Vinyl chloride

Concen: 22.701 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

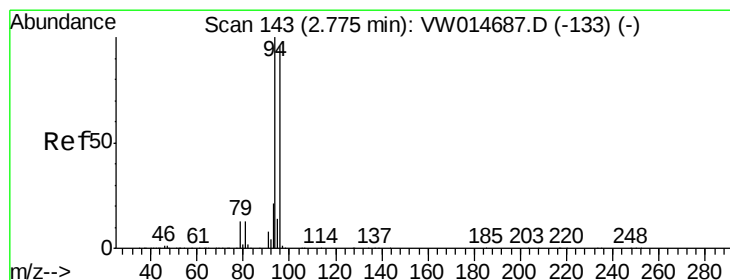
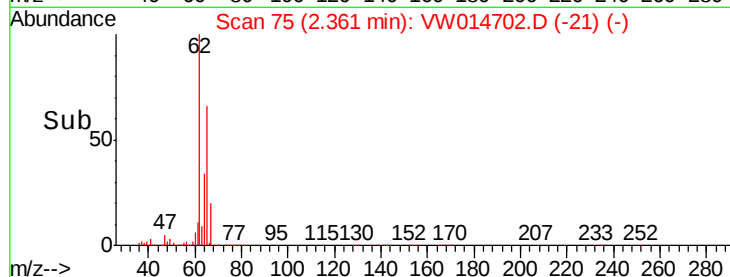
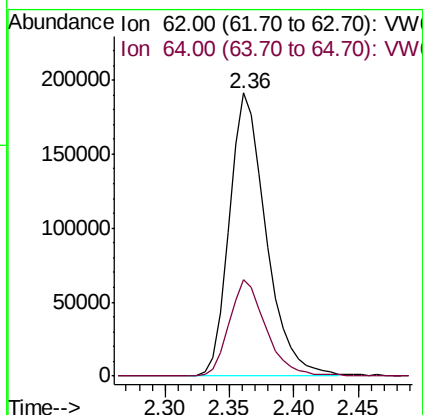
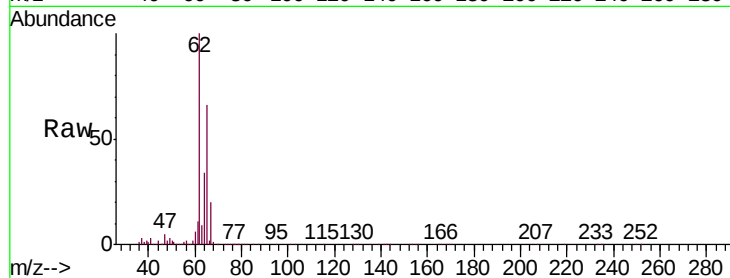
VSTD02521

Tgt Ion: 62 Resp: 379745

Ion Ratio Lower Upper

62 100

64 34.0 24.1 44.8



#6

Bromomethane

Concen: 23.219 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014702.D

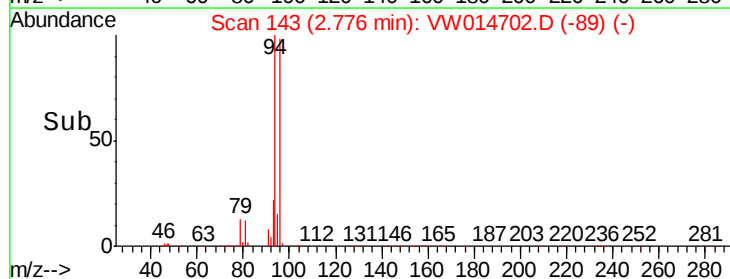
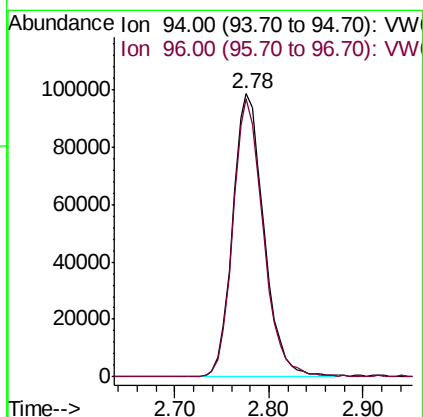
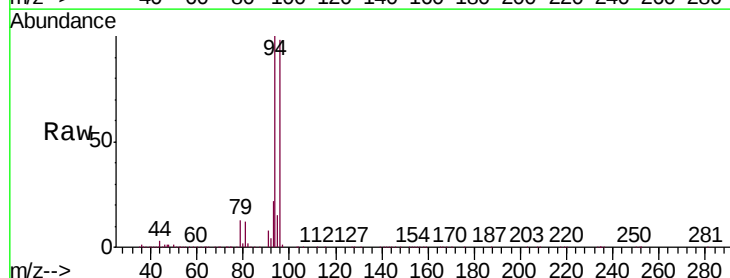
Acq: 20 Jan 2020 20:34

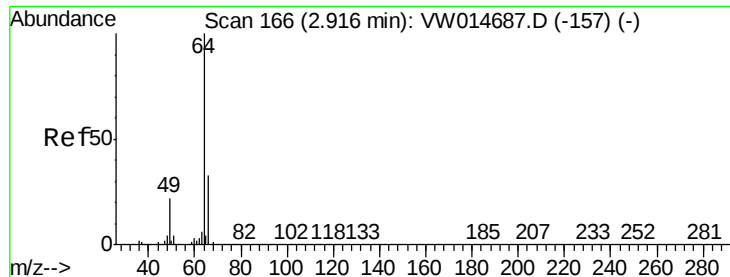
Tgt Ion: 94 Resp: 226807

Ion Ratio Lower Upper

94 100

96 95.7 9.4 178.8





#8

Chloroethane

Concen: 23.993 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

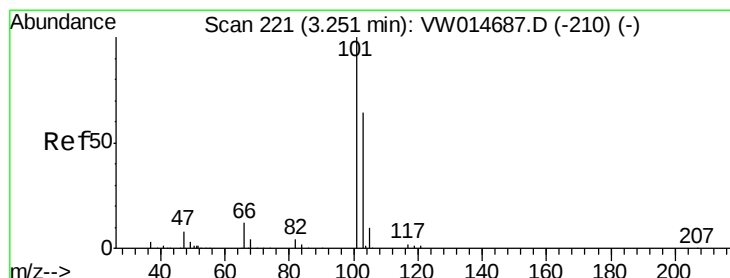
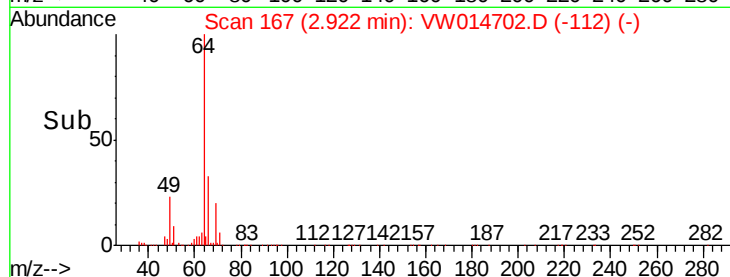
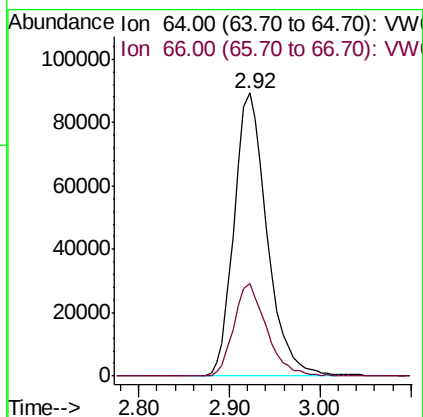
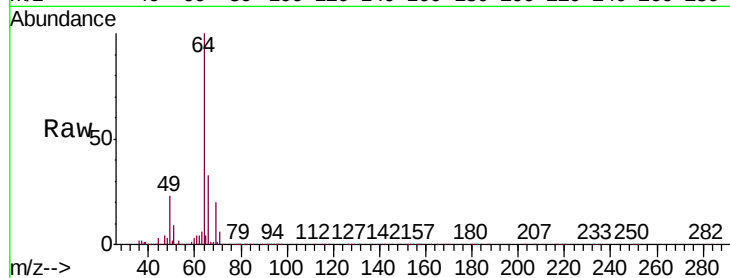
VSTD02521

Tgt Ion: 64 Resp: 224430

Ion Ratio Lower Upper

64 100

66 32.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 20.790 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW014702.D

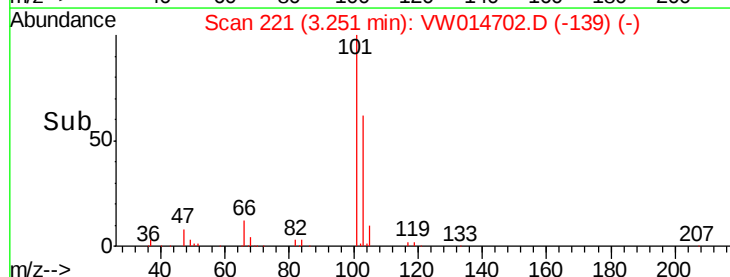
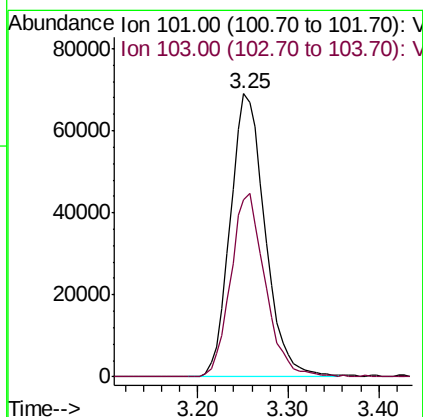
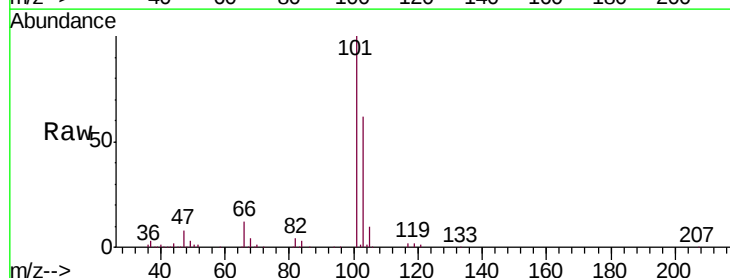
Acq: 20 Jan 2020 20:34

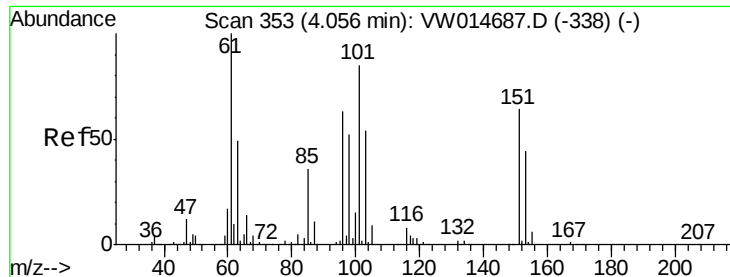
Tgt Ion: 101 Resp: 183952

Ion Ratio Lower Upper

101 100

103 63.7 45.5 84.5





#11

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

Concen: 23.302 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

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ClientSampleId :

VSTD02521

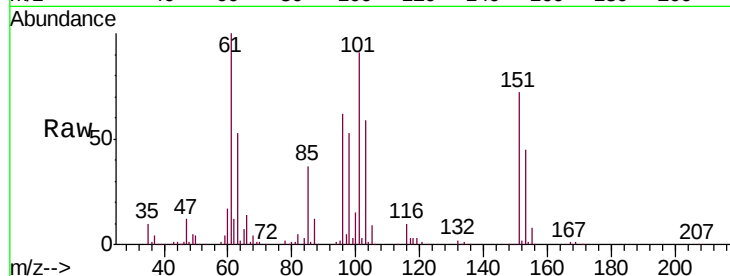
Tgt Ion:101 Resp: 353939

Ion Ratio Lower Upper

101 100

85 41.7 33.3 49.9

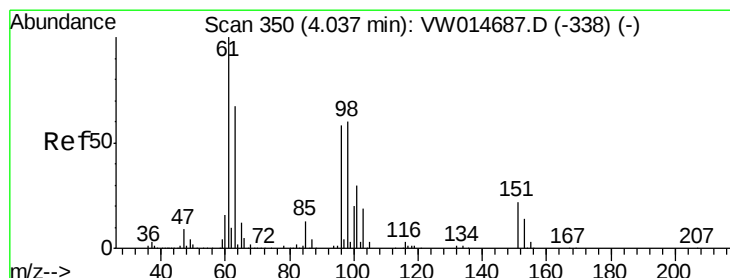
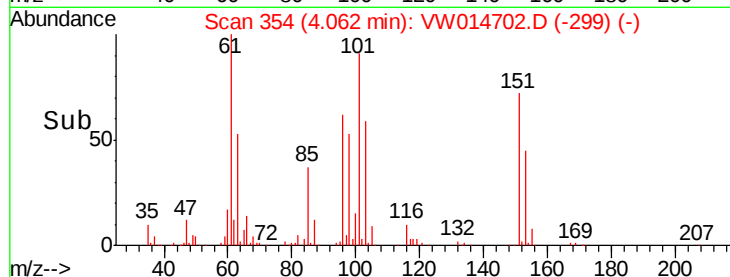
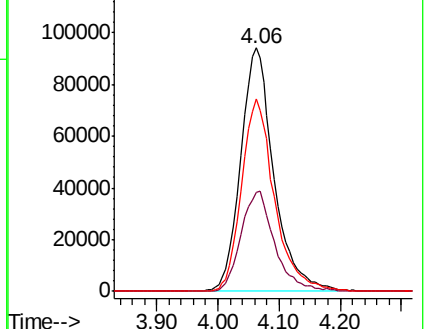
151 78.7 62.5 93.7



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: 23.959 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014702.D

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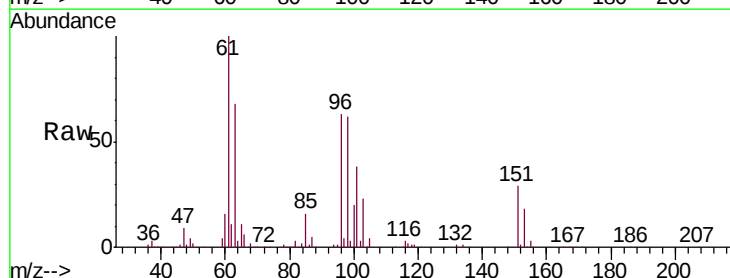
Tgt Ion: 96 Resp: 356359

Ion Ratio Lower Upper

96 100

61 159.6 114.2 212.0

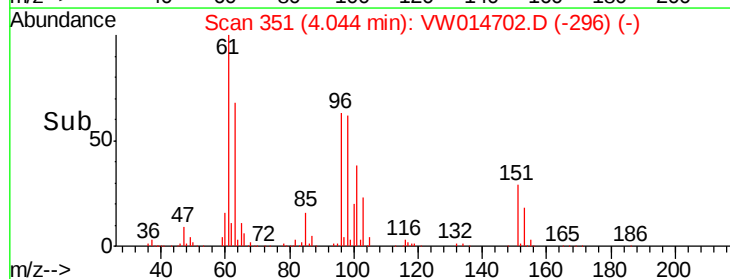
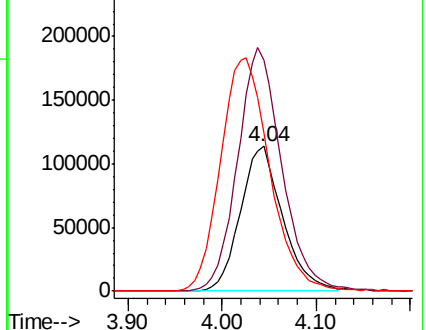
63 109.3 78.6 146.0

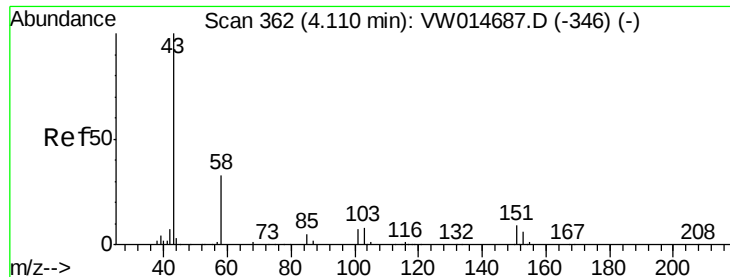


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 31.619 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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Acq: 20 Jan 2020 20:34

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MSVOA_W

ClientSampled :

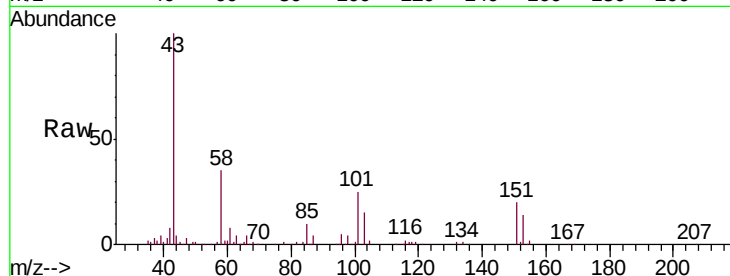
VSTD02521

Tgt Ion: 43 Resp: 170708

Ion Ratio Lower Upper

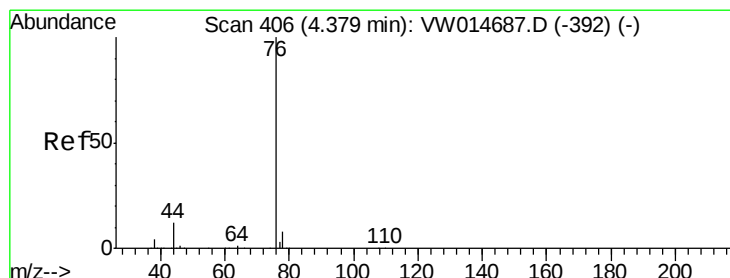
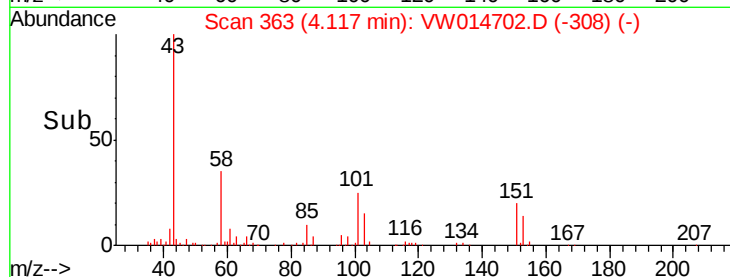
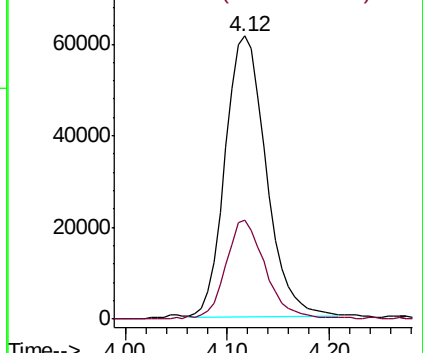
43 100

58 34.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.310 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014702.D

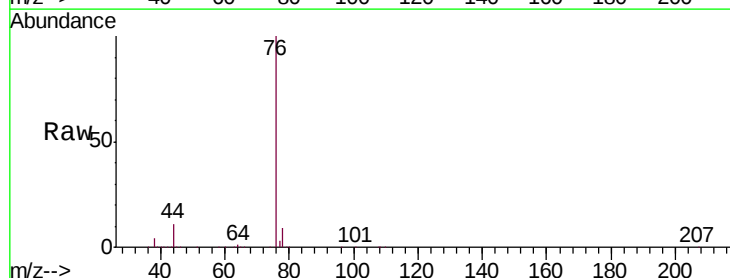
Acq: 20 Jan 2020 20:34

Tgt Ion: 76 Resp: 1024501

Ion Ratio Lower Upper

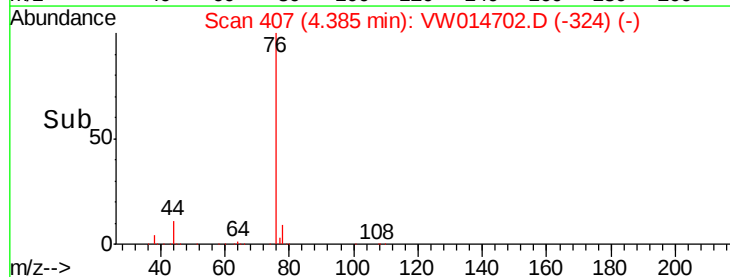
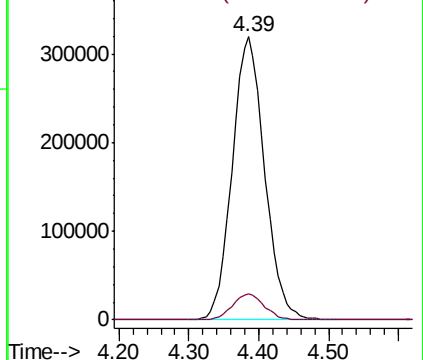
76 100

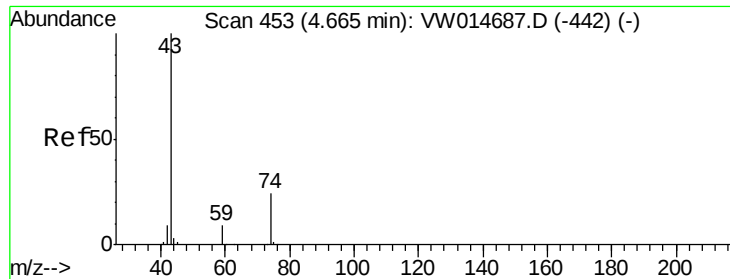
78 9.1 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

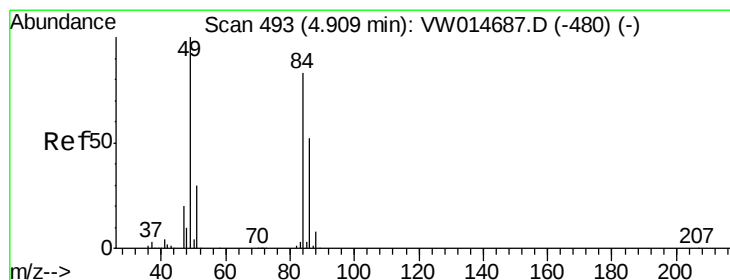
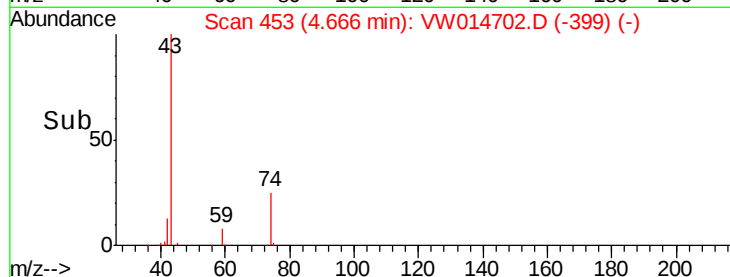
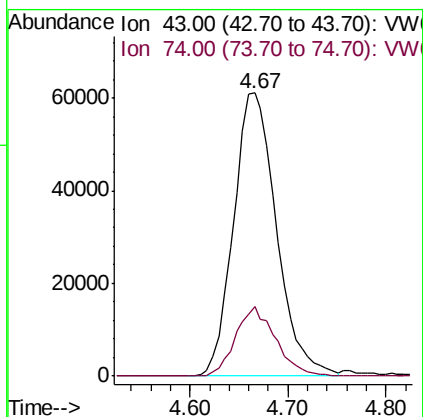
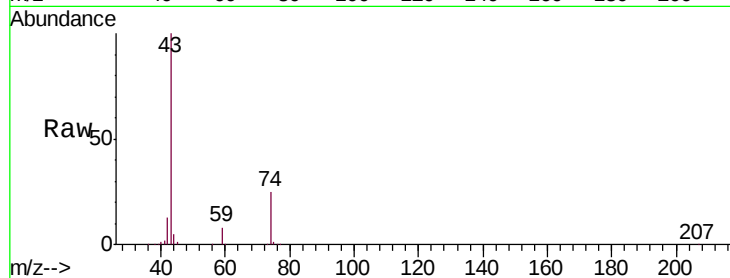




#15
Methyl Acetate
Concen: 25.320 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

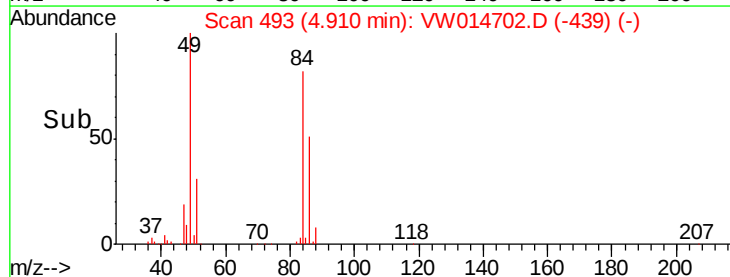
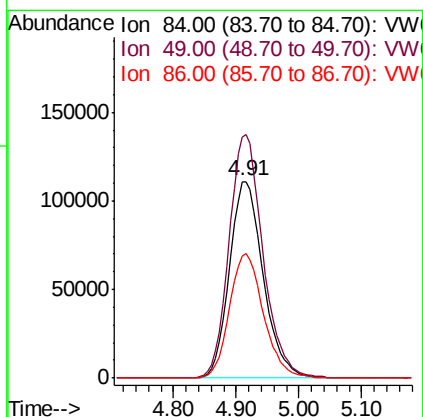
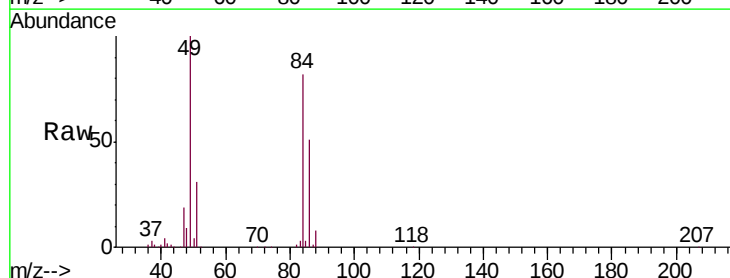
Instrument :
MSVOA_W
ClientSampled :
VSTD02521

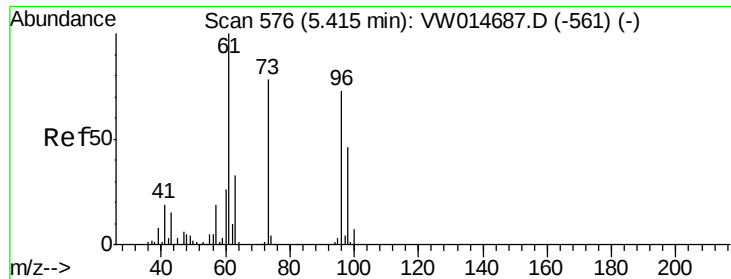
Tgt Ion: 43 Resp: 184465
Ion Ratio Lower Upper
43 100
74 23.3 18.3 27.5



#16
Methylene chloride
Concen: 21.900 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

Tgt Ion: 84 Resp: 415134
Ion Ratio Lower Upper
84 100
49 122.3 85.8 159.4
86 61.9 44.5 82.7





#17

Methyl tert-butyl Ether

Concen: 28.817 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampled :

VSTD02521

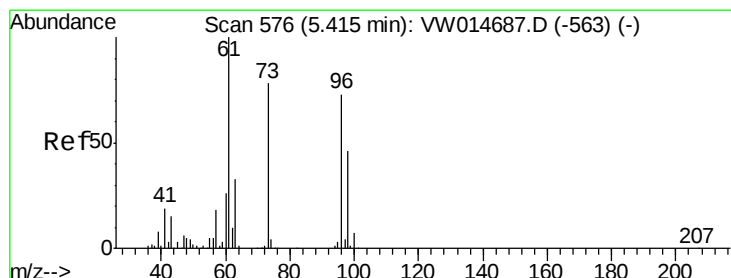
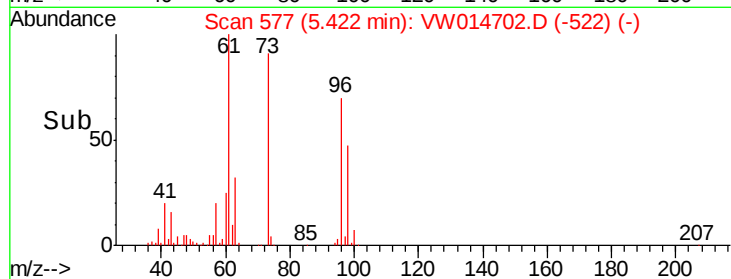
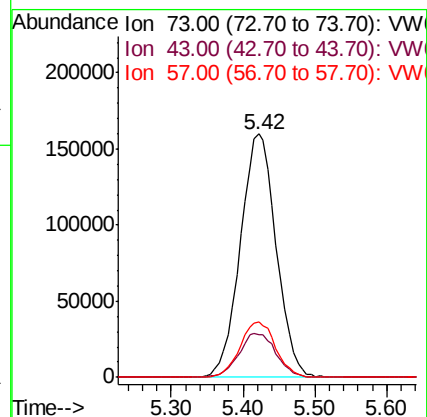
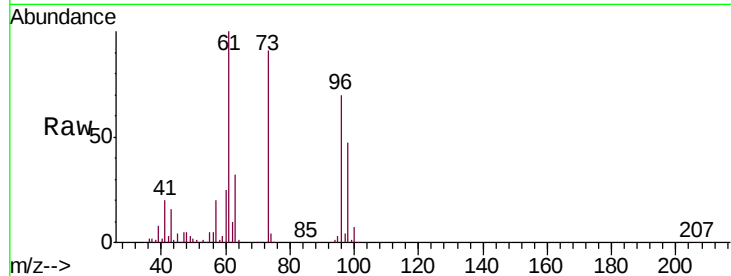
Tgt Ion: 73 Resp: 551691

Ion Ratio Lower Upper

73 100

43 18.9 15.7 23.5

57 22.7 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 24.385 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

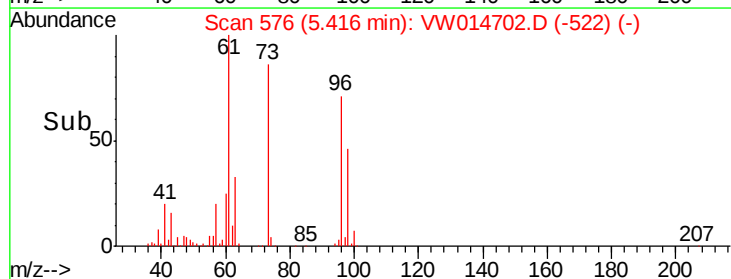
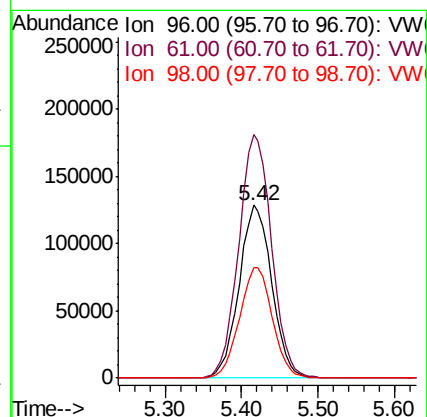
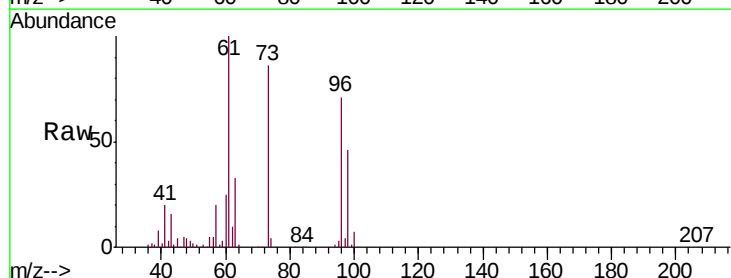
Tgt Ion: 96 Resp: 382076

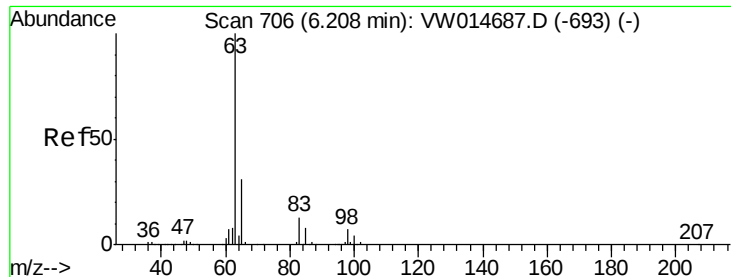
Ion Ratio Lower Upper

96 100

61 140.8 98.2 182.4

98 64.1 44.1 81.9

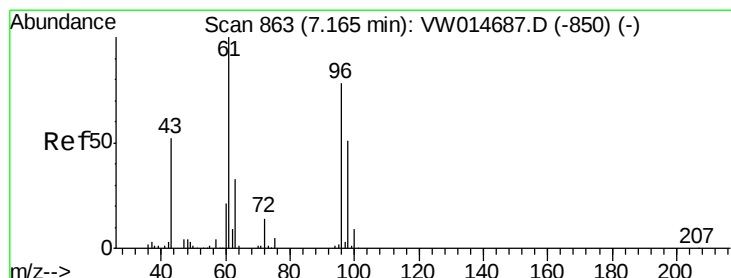
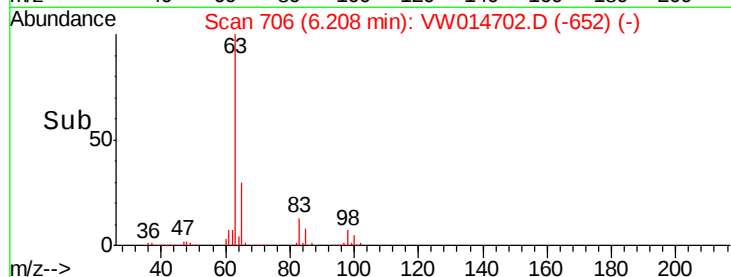
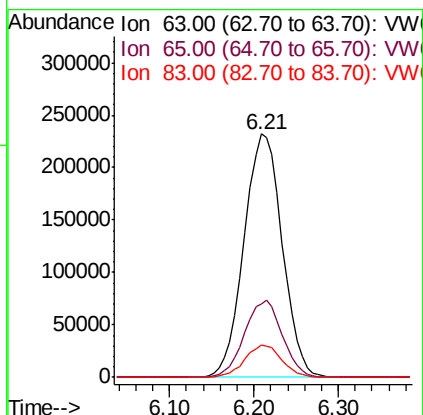
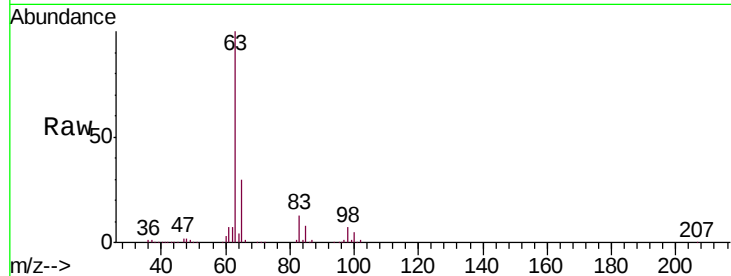




#19
 1,1-Dichloroethane
 Concen: 25.273 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

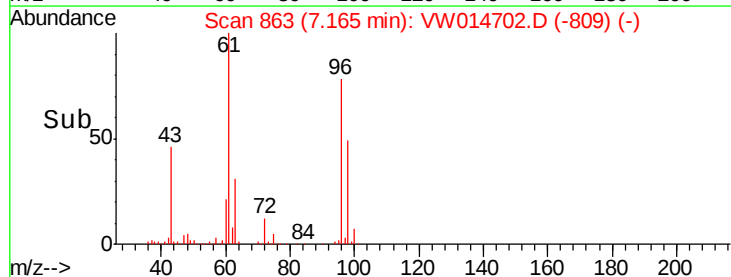
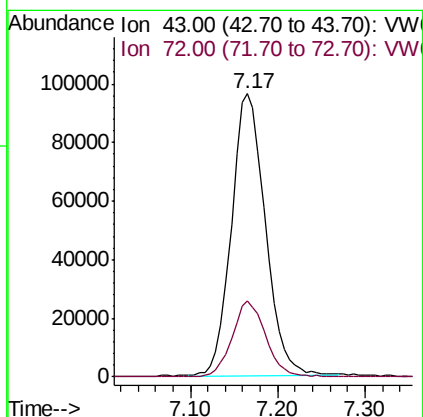
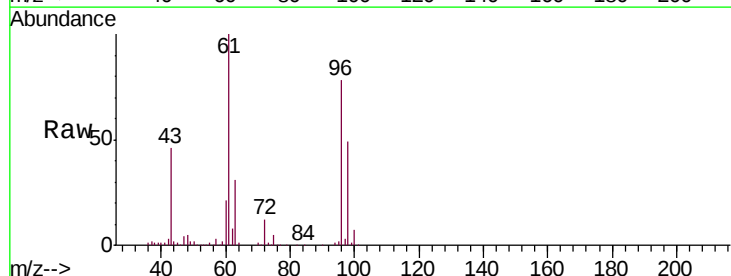
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

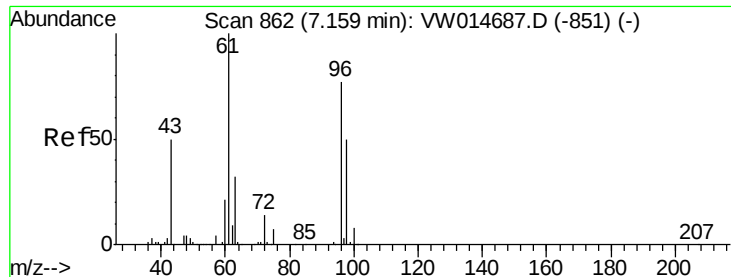
Tgt Ion: 63 Resp: 715817
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.7 40.3
 83 13.1 9.0 16.8



#21
 2-Butanone
 Concen: 44.868 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion: 43 Resp: 259897
 Ion Ratio Lower Upper
 43 100
 72 26.7 13.3 39.8



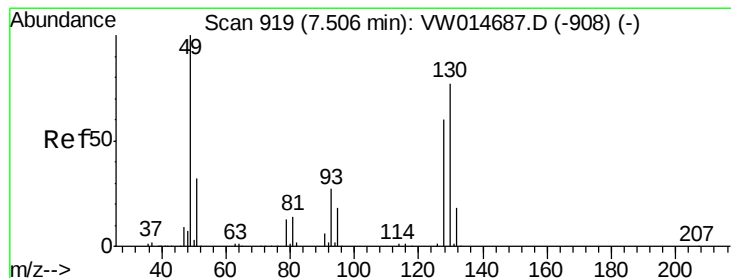
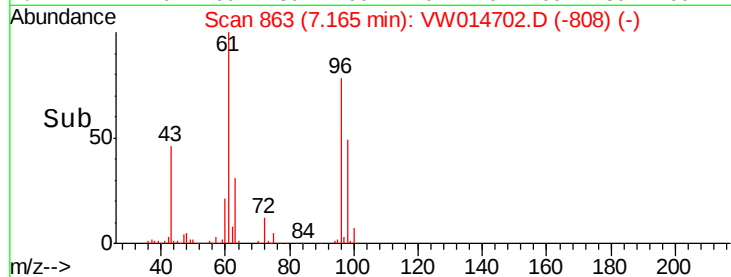
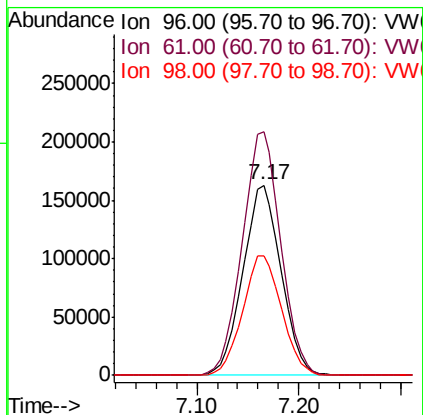
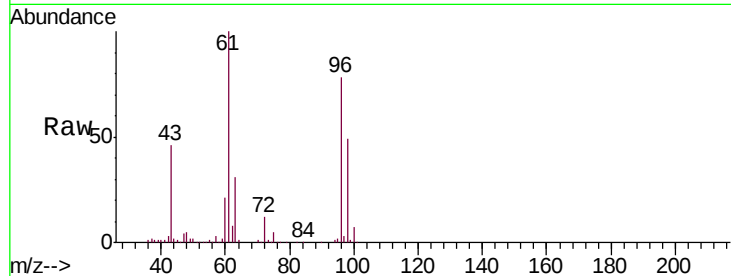


#22

cis-1,2-Dichloroethene
Concen: 25.734 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

Instrument :
MSVOA_W
ClientSampled :
VSTD02521

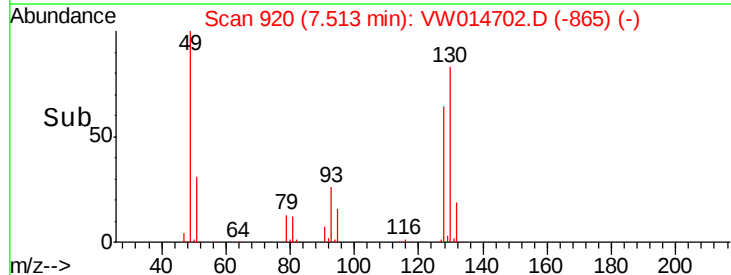
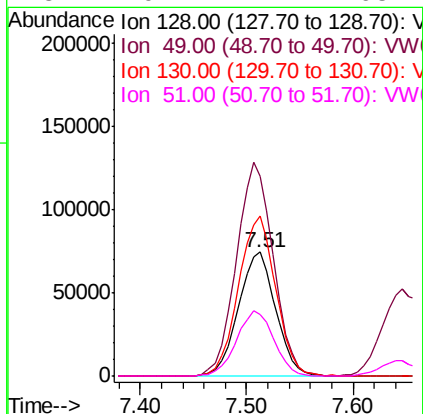
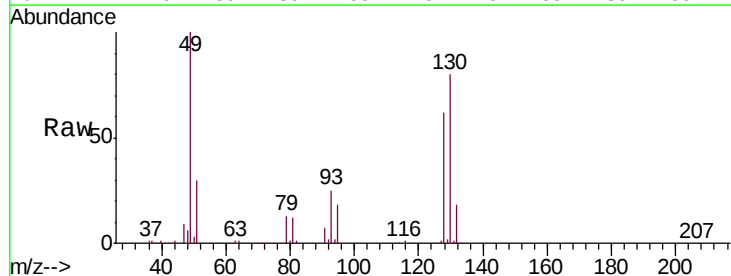
Tgt Ion: 96 Resp: 424422
Ion Ratio Lower Upper
96 100
61 127.8 91.5 169.9
98 62.9 46.9 87.1

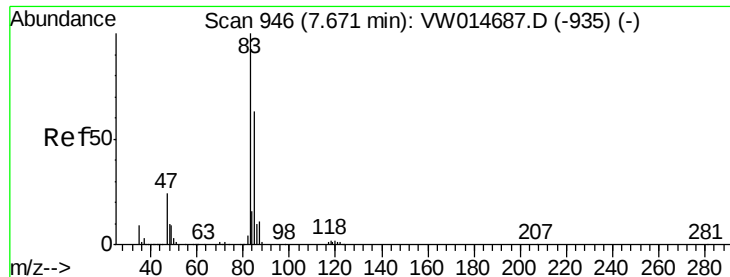


#23

Bromochloromethane
Concen: 25.524 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

Tgt Ion: 128 Resp: 182231
Ion Ratio Lower Upper
128 100
49 161.9 118.3 219.7
130 129.1 89.5 166.1
51 49.2 42.1 63.1

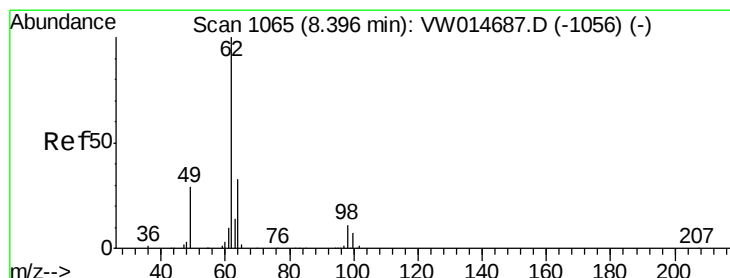
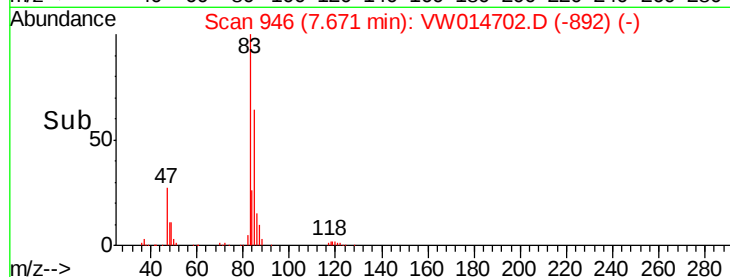
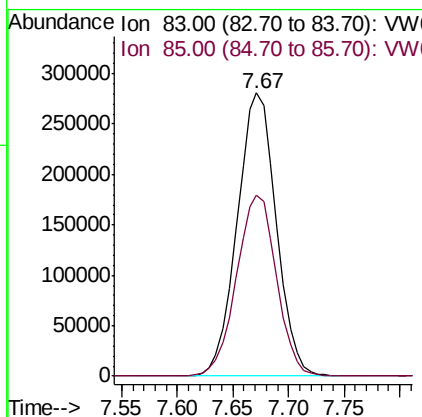
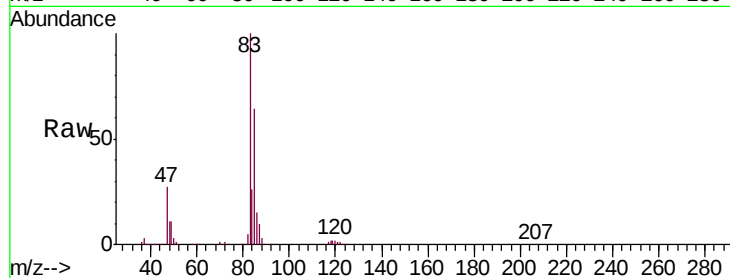




#25
Chloroform
Concen: 25.244 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

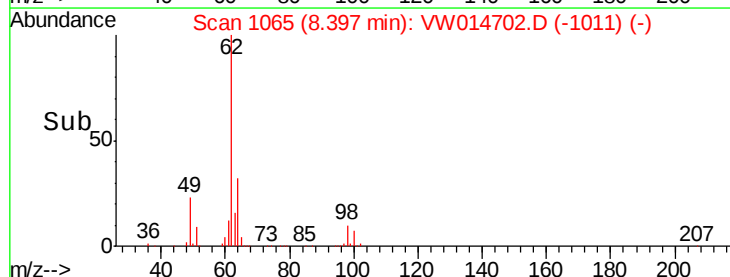
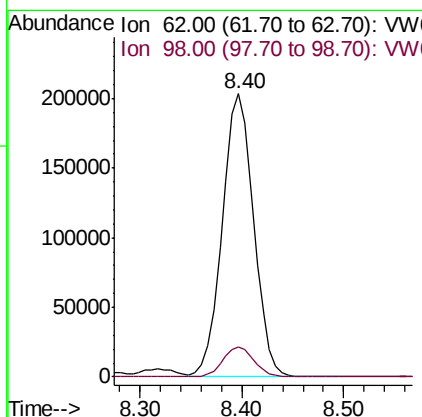
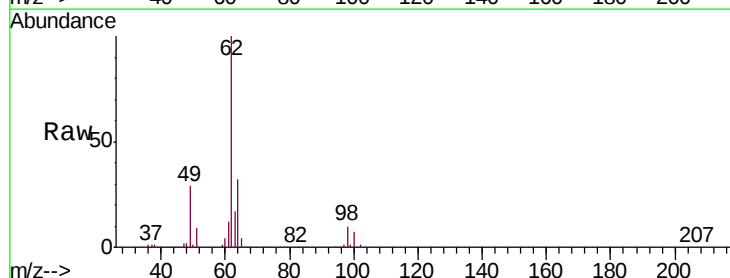
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

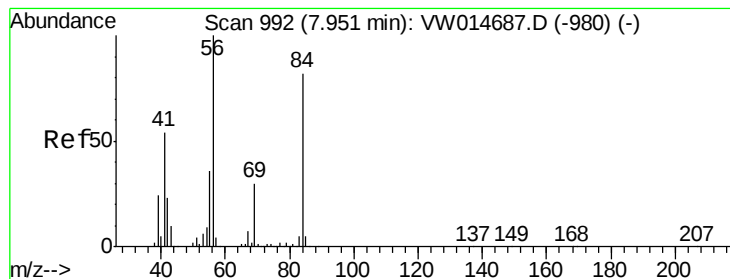
Tgt Ion: 83 Resp: 683887
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 24.596 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

Tgt Ion: 62 Resp: 432550
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5





#30

Cyclohexane

Concen: 25.299 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

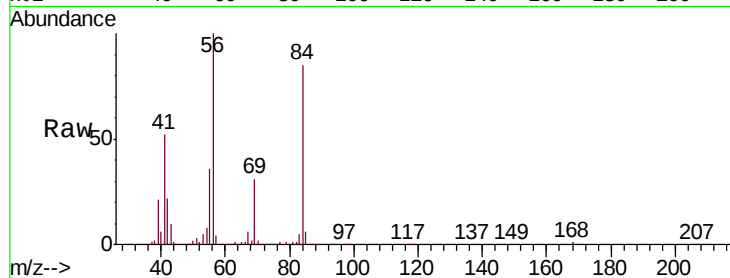
Tgt Ion: 56 Resp: 664904

Ion Ratio Lower Upper

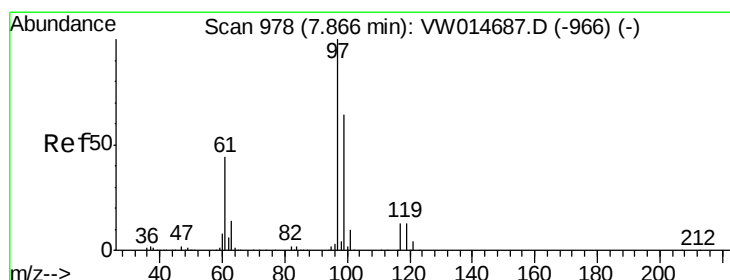
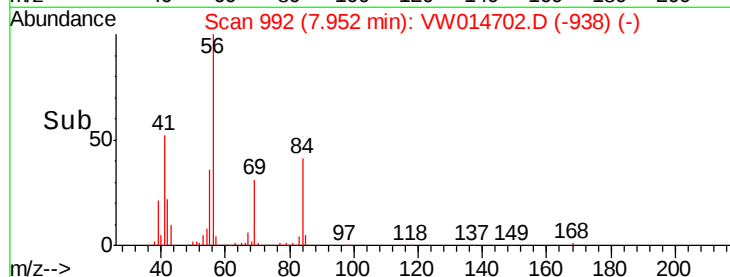
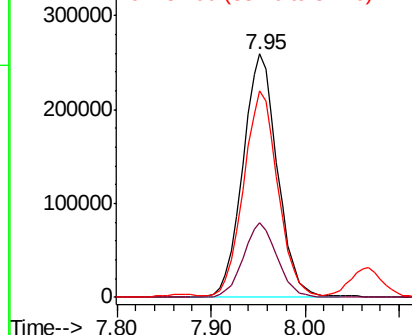
56 100

69 30.0 23.8 35.8

84 84.2 68.2 102.2



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: 24.920 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

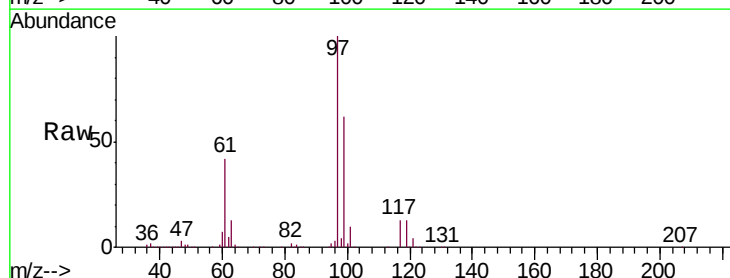
Tgt Ion: 97 Resp: 525205

Ion Ratio Lower Upper

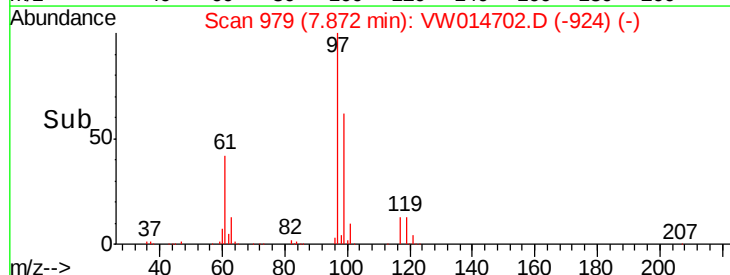
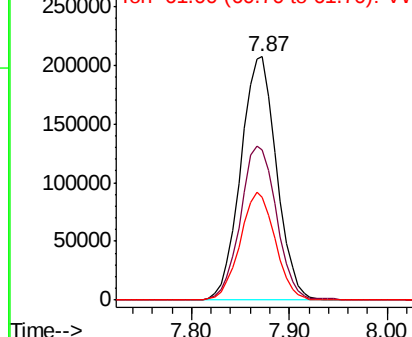
97 100

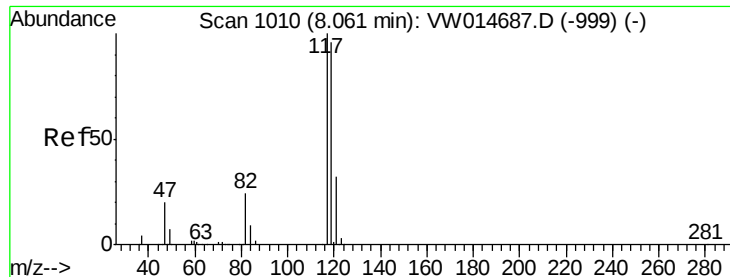
99 63.8 51.6 77.4

61 43.3 35.3 52.9



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: 24.297 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampled :

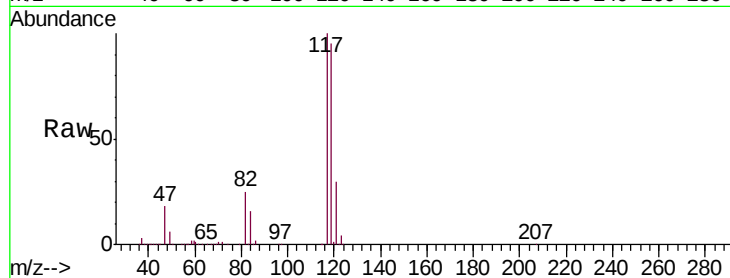
VSTD02521

Tgt Ion:117 Resp: 477103

Ion Ratio Lower Upper

117 100

119 95.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

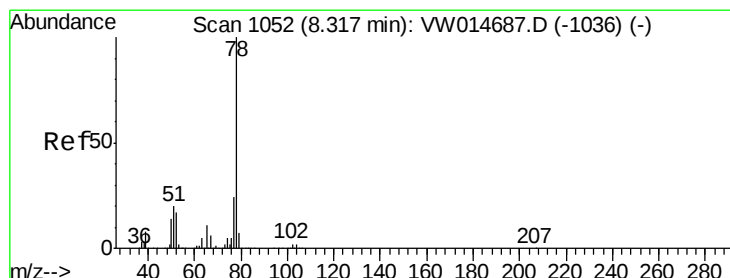
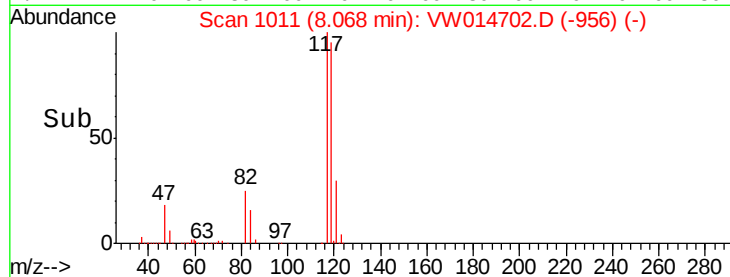
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.922 ug/L

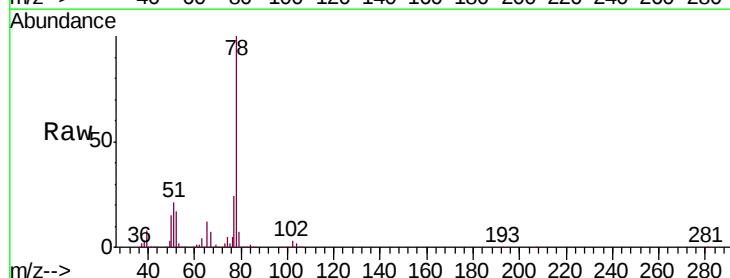
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Tgt Ion: 78 Resp: 1602748



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

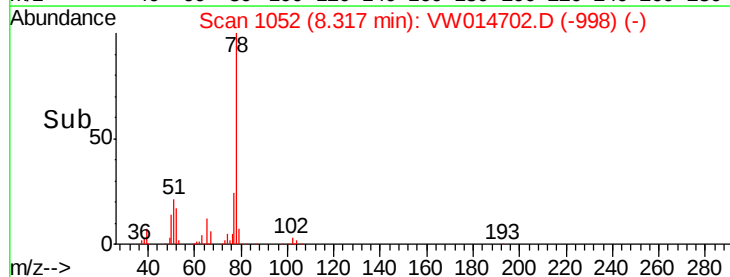
600000

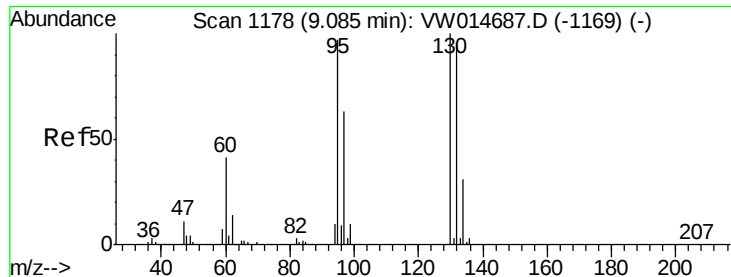
400000

200000

0

Time-->

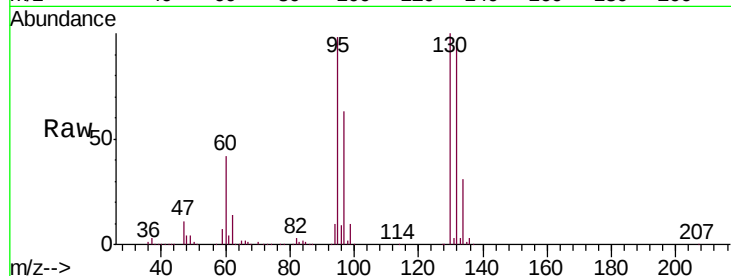




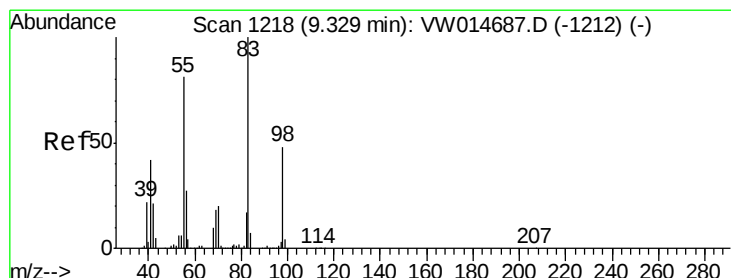
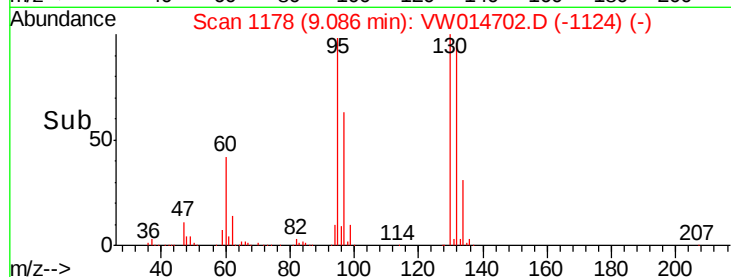
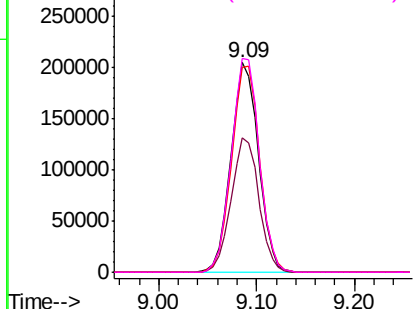
#35
 Trichloroethene
 Concen: 25.117 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tgt Ion: 95 Resp: 400798
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.3 82.3
 132 100.4 69.2 128.6
 130 103.7 72.3 134.3

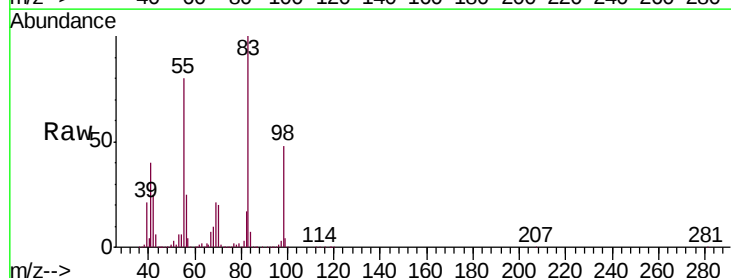


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): VW
 Ion 130.00 (129.70 to 130.70): VW

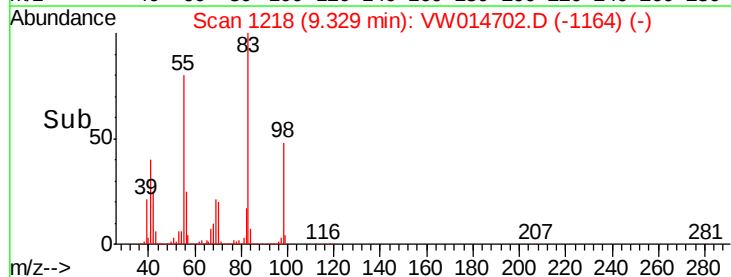
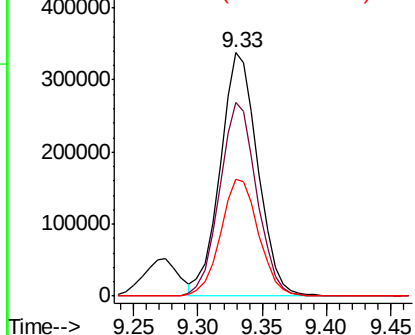


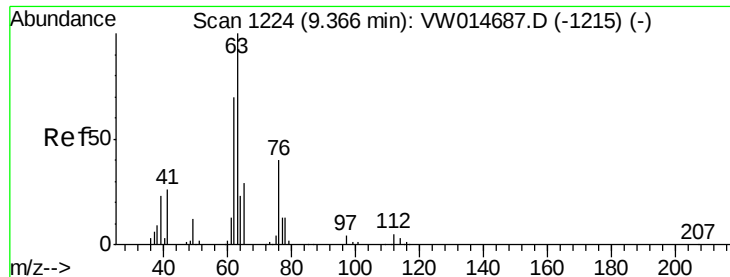
#36
 Methylcyclohexane
 Concen: 24.569 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion: 83 Resp: 687813
 Ion Ratio Lower Upper
 83 100
 55 79.1 63.7 95.5
 98 49.0 39.4 59.2



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

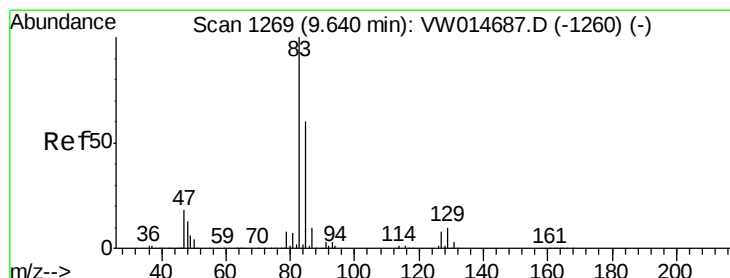
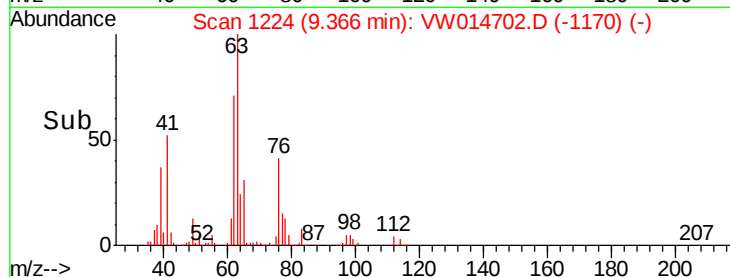
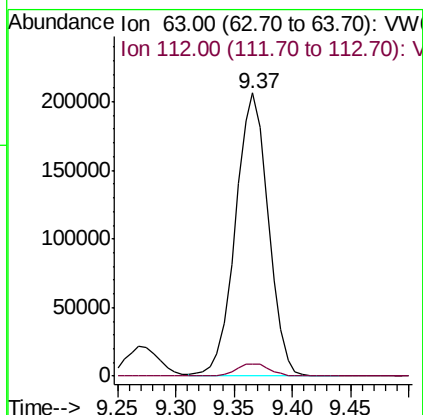
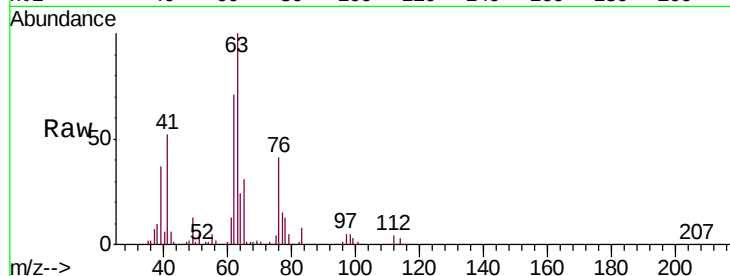




#40
 1,2-Dichloropropane
 Concen: 26.011 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

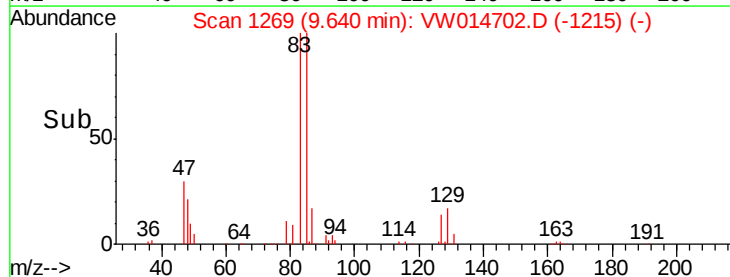
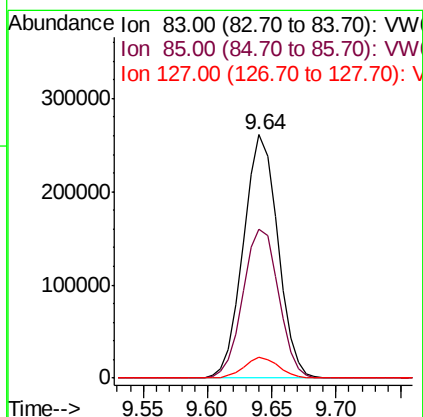
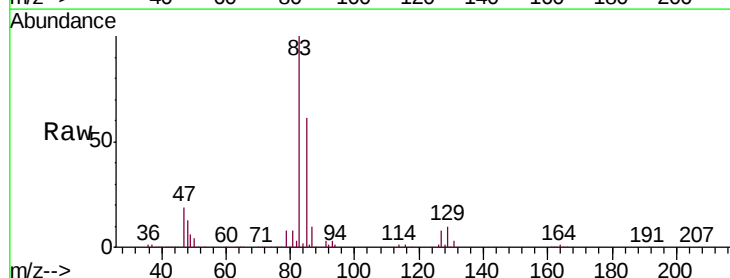
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

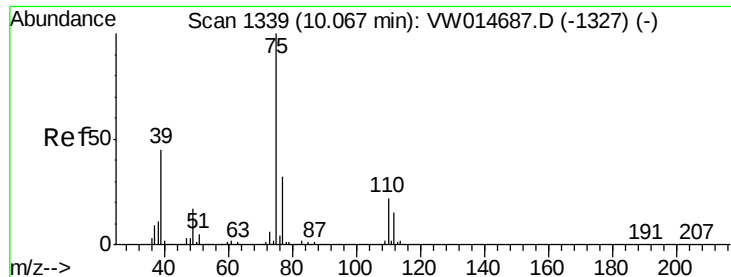
Tgt Ion: 63 Resp: 407053
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#41
 Bromodichloromethane
 Concen: 25.680 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion: 83 Resp: 483403
 Ion Ratio Lower Upper
 83 100
 85 61.3 44.7 83.1
 127 8.4 6.3 9.5

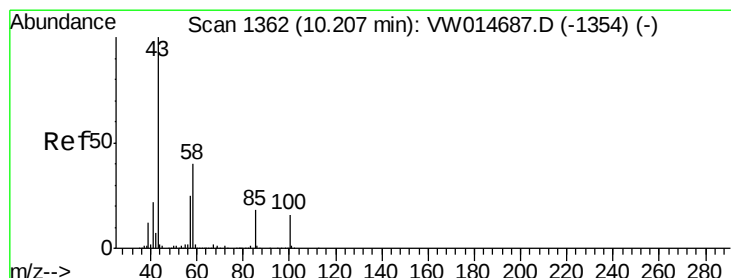
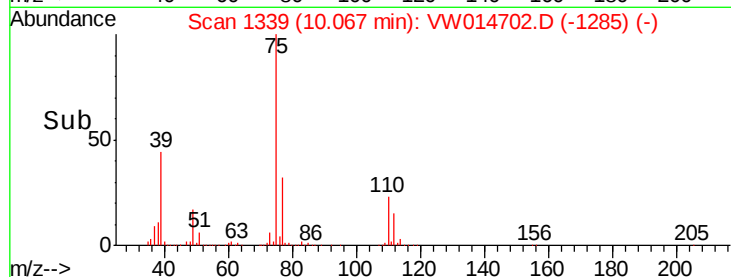
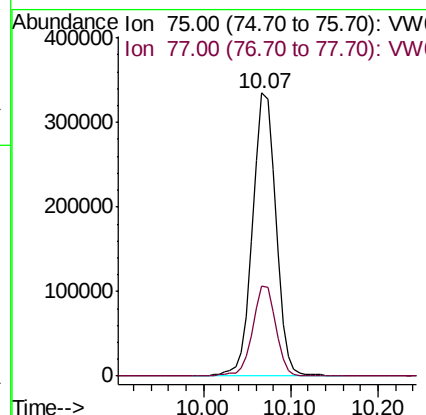
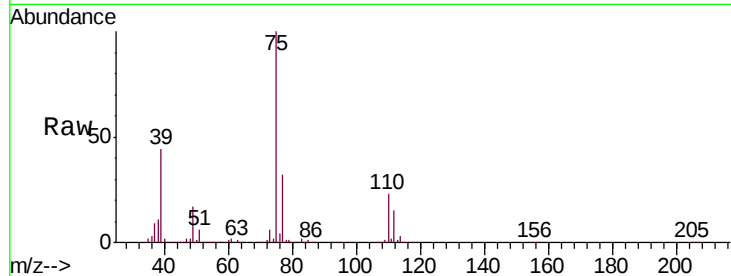




#42
 cis-1,3-Dichloropropene
 Concen: 26.573 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

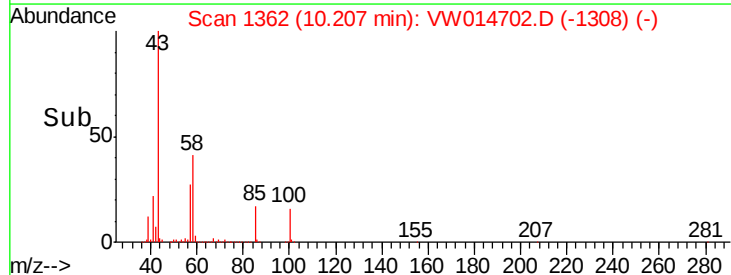
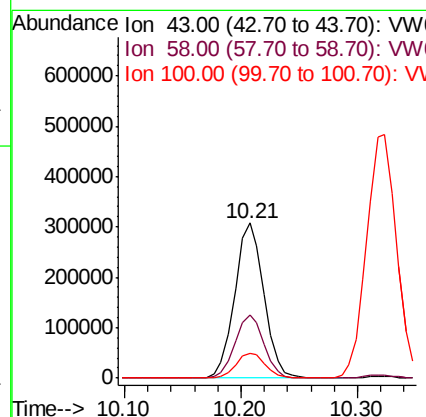
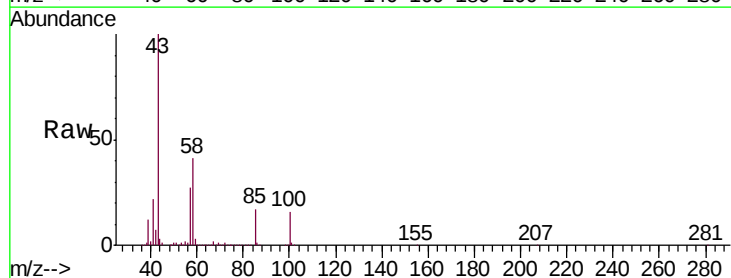
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

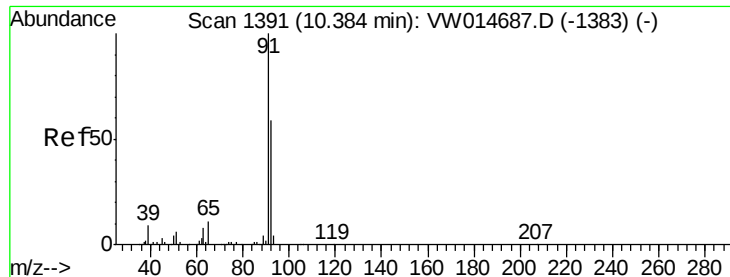
Tgt Ion: 75 Resp: 621190
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.0 39.0



#43
 4-Methyl-2-pentanone
 Concen: 53.436 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion: 43 Resp: 536818
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.6 48.8
 100 16.2 12.6 19.0





#44

Toluene

Concen: 26.158 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

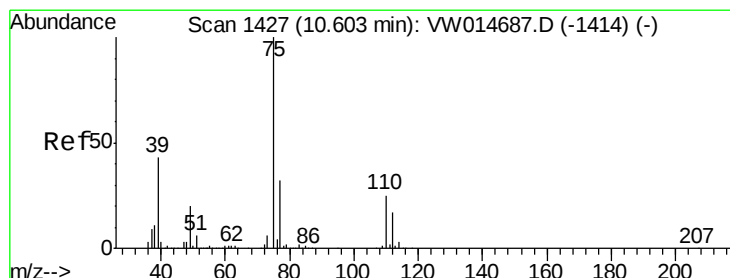
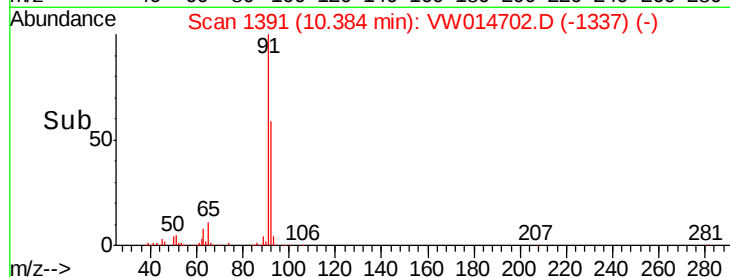
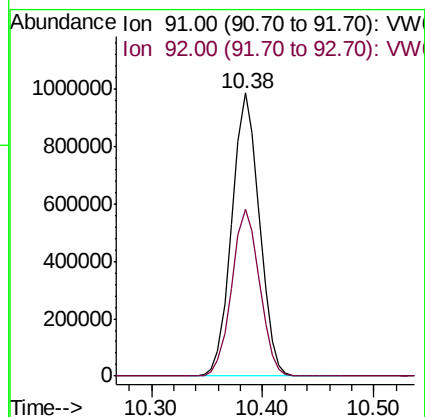
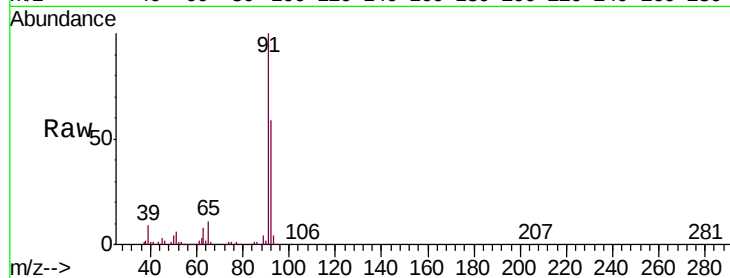
VSTD02521

Tgt Ion: 91 Resp: 1690161

Ion Ratio Lower Upper

91 100

92 58.8 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 25.947 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014702.D

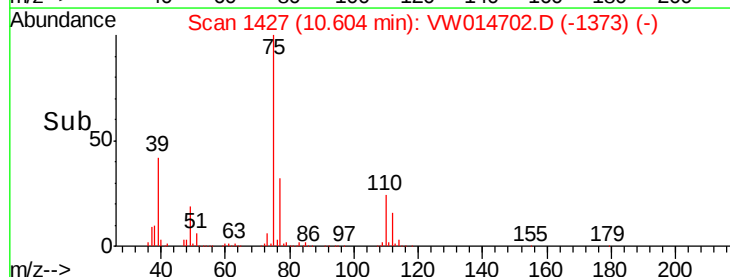
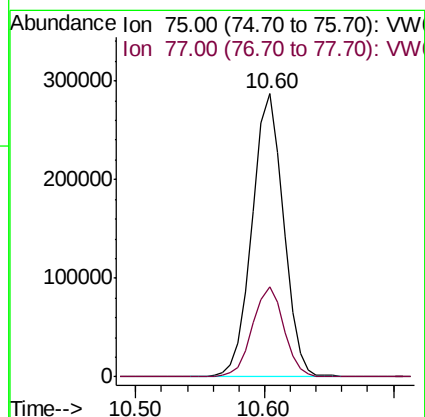
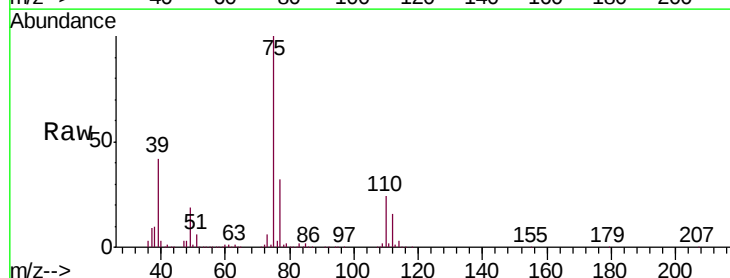
Acq: 20 Jan 2020 20:34

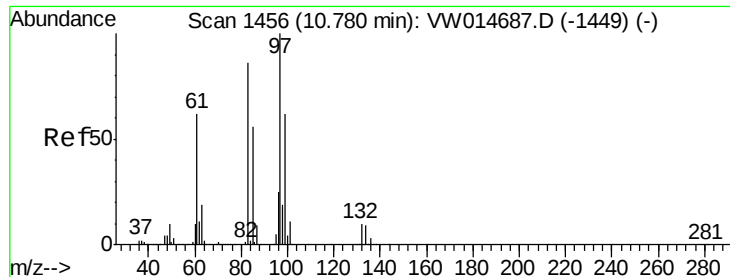
Tgt Ion: 75 Resp: 485011

Ion Ratio Lower Upper

75 100

77 31.9 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 26.176 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tgt Ion: 97 Resp: 290152

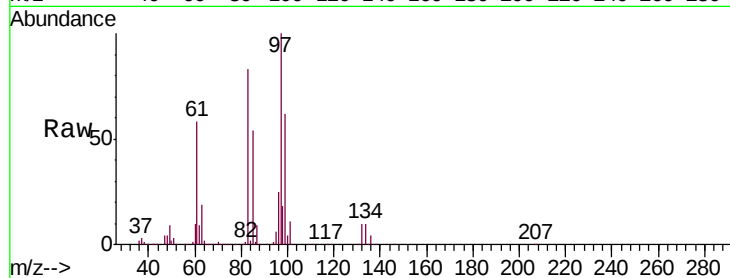
Ion Ratio Lower Upper

97 100

83 83.3 60.1 111.5

85 53.5 38.1 70.9

99 62.0 43.4 80.6

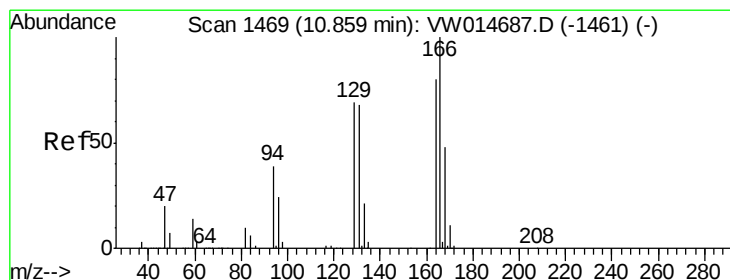
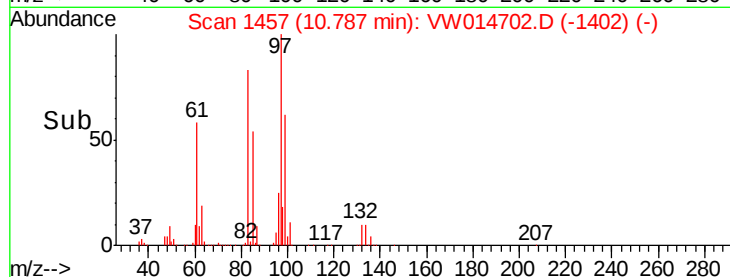
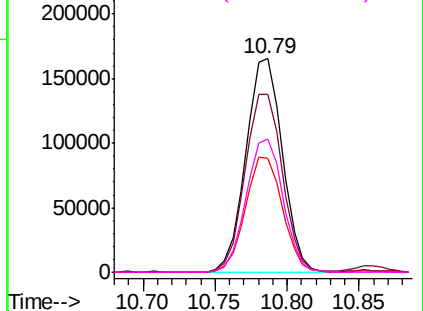


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.722 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Tgt Ion: 164 Resp: 331251

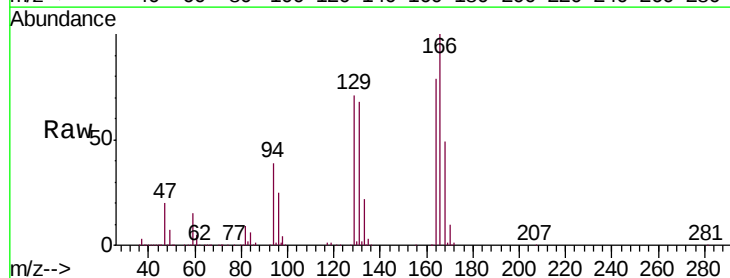
Ion Ratio Lower Upper

164 100

129 90.0 64.0 118.8

131 86.7 60.2 111.8

166 127.0 88.2 163.8

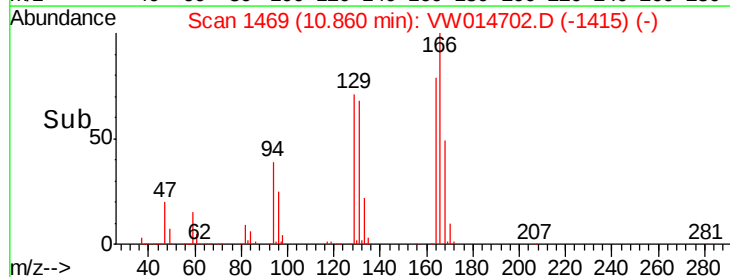
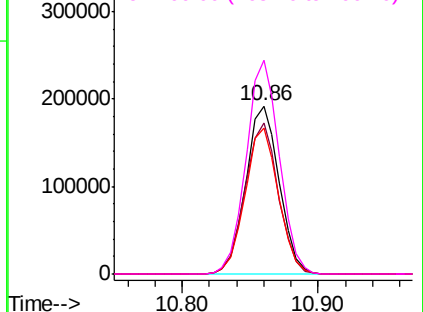


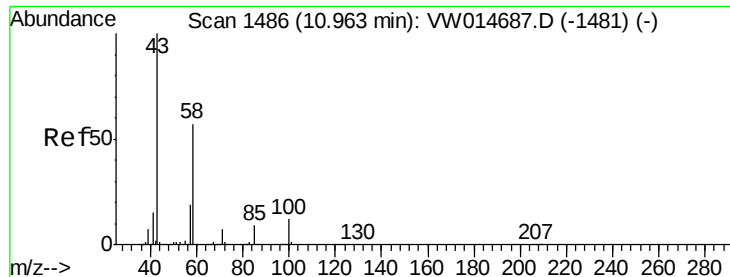
Abundance Ion 164.00 (163.70 to 164.70): V

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: 54.551 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

Tgt Ion: 43 Resp: 374224

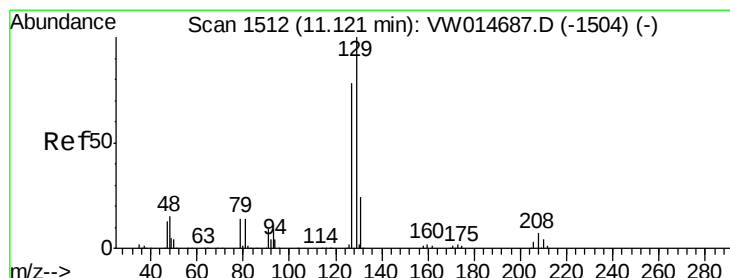
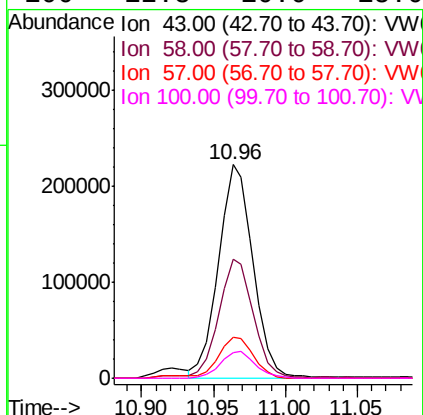
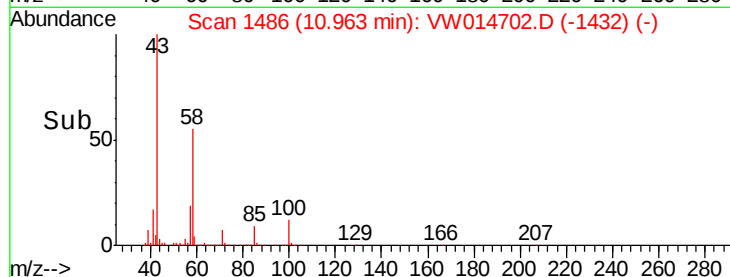
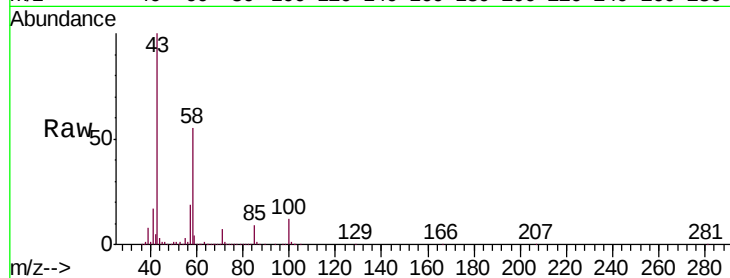
Ion Ratio Lower Upper

43 100

58 55.7 44.9 67.3

57 19.3 15.3 22.9

100 12.8 10.0 15.0



#50

Dibromochloromethane

Concen: 26.111 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VW014702.D

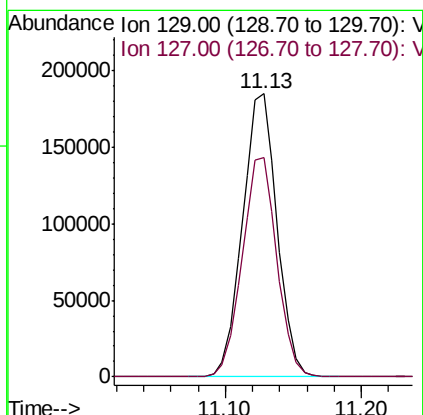
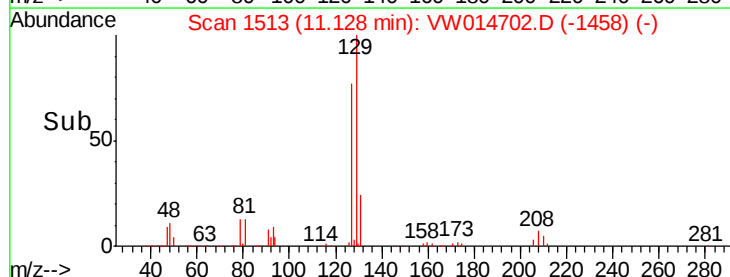
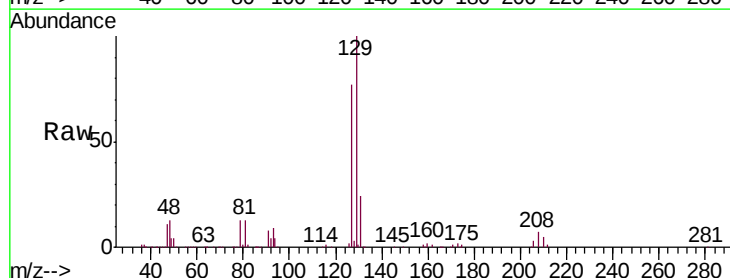
Acq: 20 Jan 2020 20:34

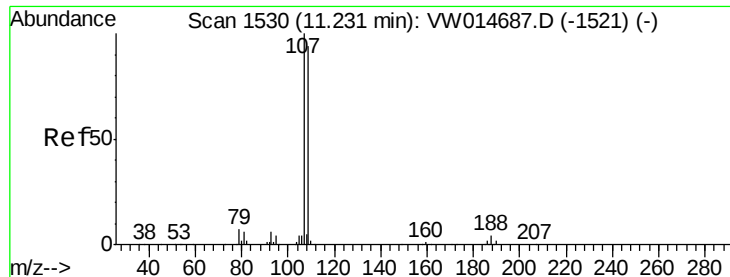
Tgt Ion: 129 Resp: 328641

Ion Ratio Lower Upper

129 100

127 77.4 51.1 94.9

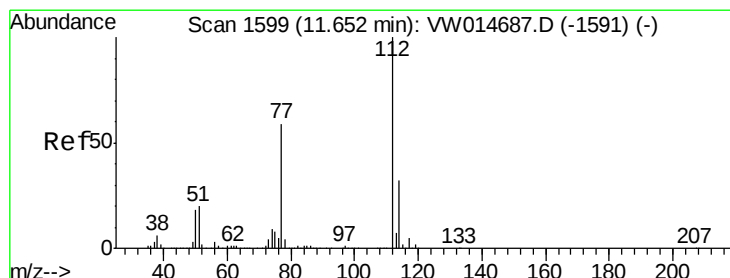
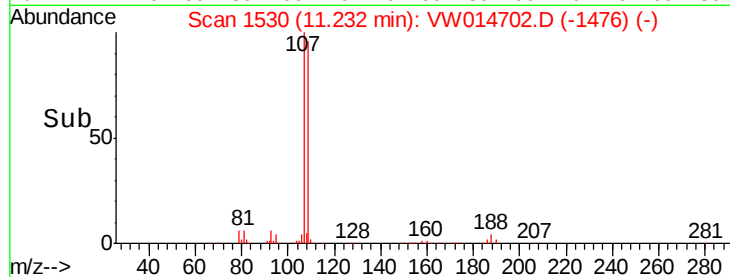
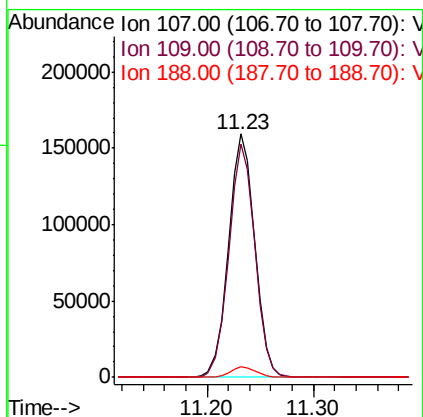
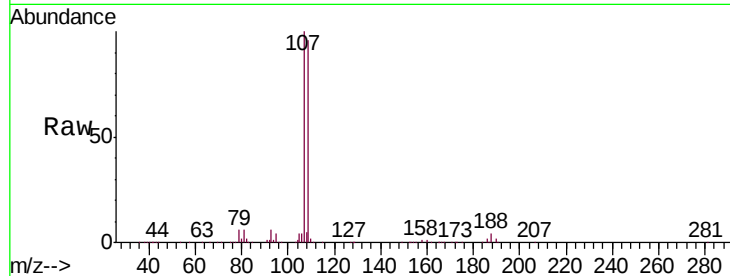




#51
1,2-Dibromoethane
Concen: 26.271 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

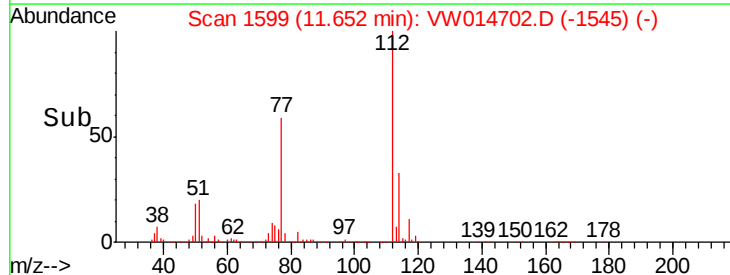
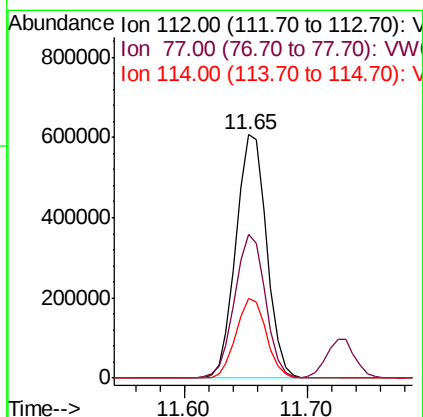
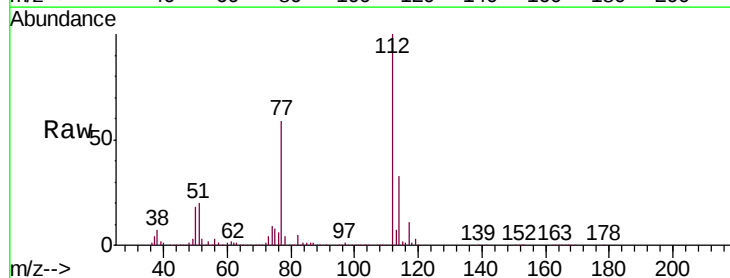
Instrument :
MSVOA_W
ClientSampleId :
VSTD02521

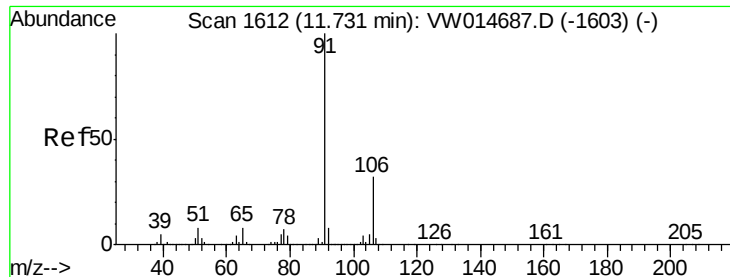
Tgt Ion:107 Resp: 274887
Ion Ratio Lower Upper
107 100
109 95.8 64.7 120.1
188 4.3 3.0 4.6



#52
Chlorobenzene
Concen: 25.781 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014702.D
Acq: 20 Jan 2020 20:34

Tgt Ion:112 Resp: 1053023
Ion Ratio Lower Upper
112 100
77 59.3 48.2 72.2
114 32.7 22.9 42.5





#53

Ethylbenzene

Concen: 26.108 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

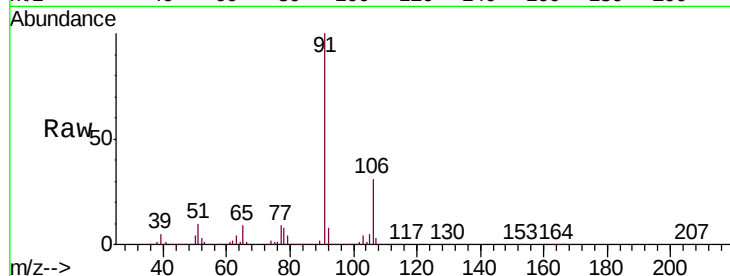
VSTD02521

Tgt Ion: 91 Resp: 1854778

Ion Ratio Lower Upper

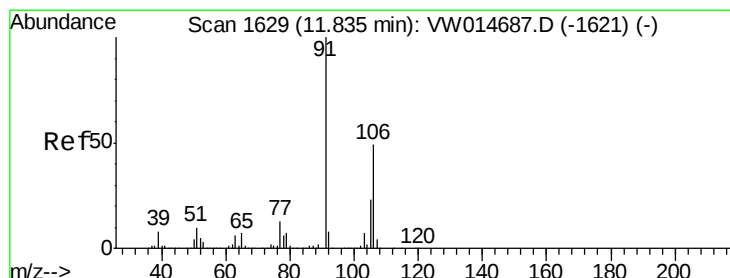
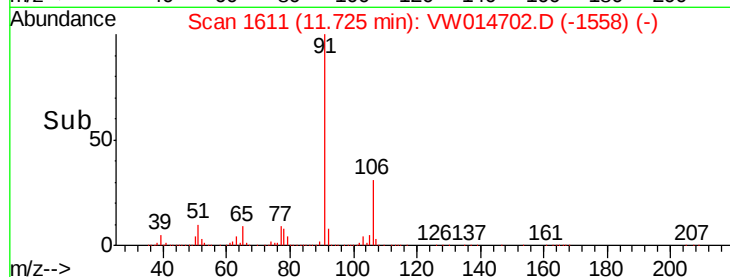
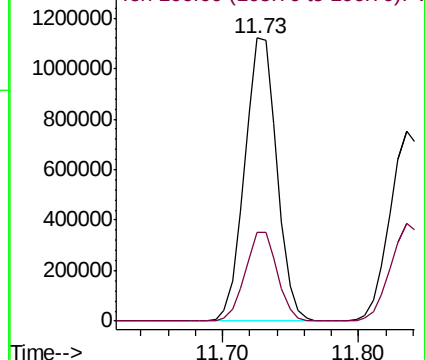
91 100

106 31.3 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.376 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014702.D

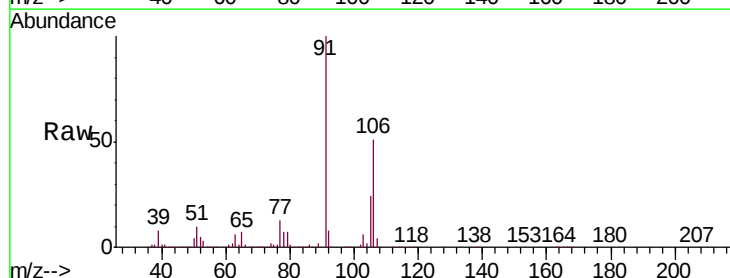
Acq: 20 Jan 2020 20:34

Tgt Ion: 106 Resp: 709097

Ion Ratio Lower Upper

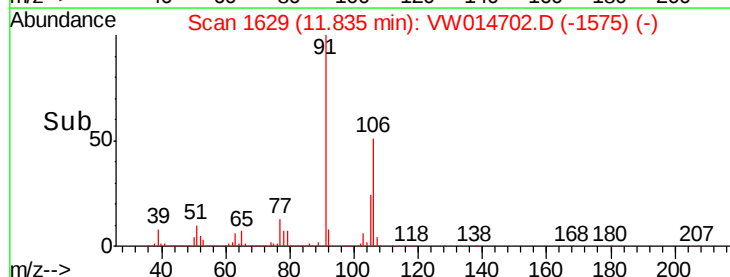
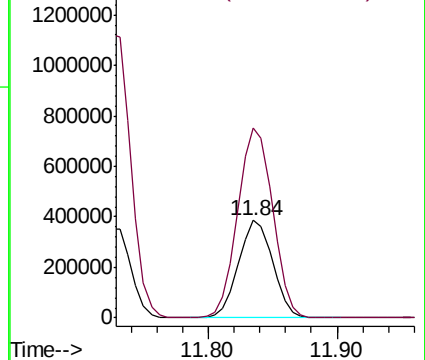
106 100

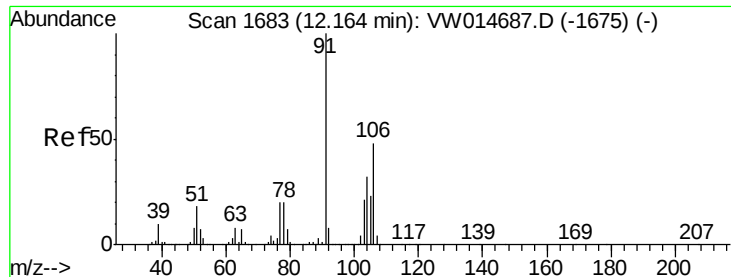
91 194.6 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 26.567 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampled :

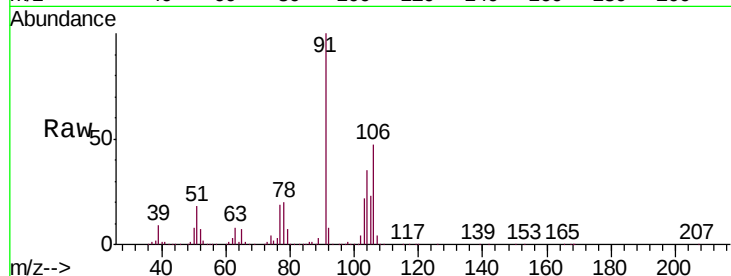
VSTD02521

Tgt Ion:106 Resp: 674629

Ion Ratio Lower Upper

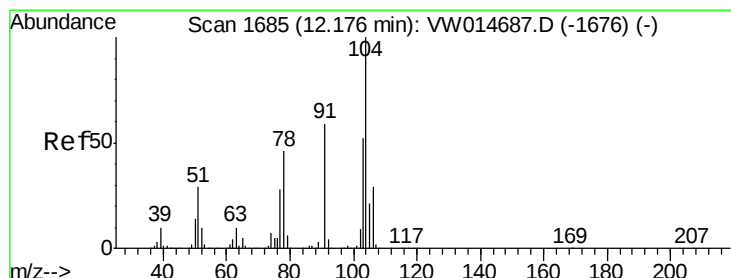
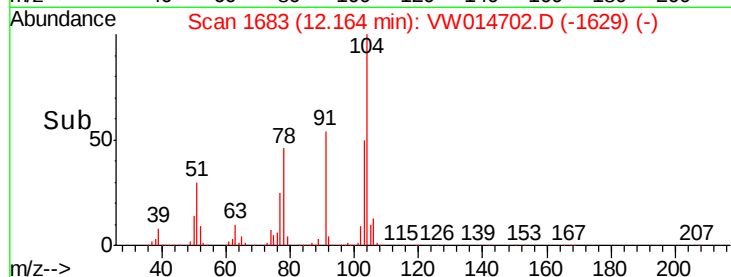
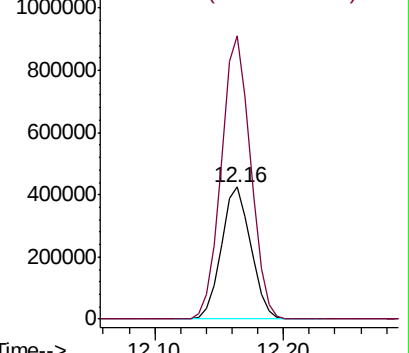
106 100

91 214.0 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.386 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014702.D

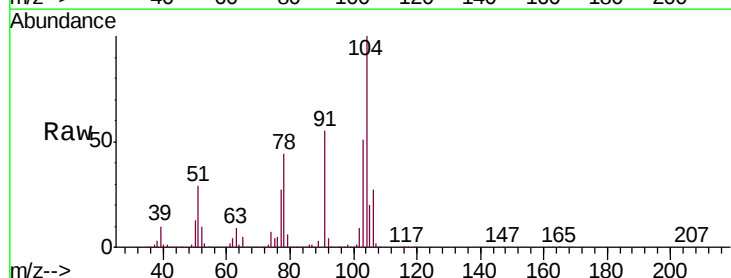
Acq: 20 Jan 2020 20:34

Tgt Ion:104 Resp: 1170475

Ion Ratio Lower Upper

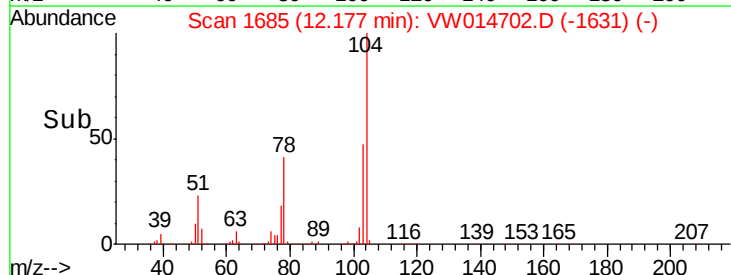
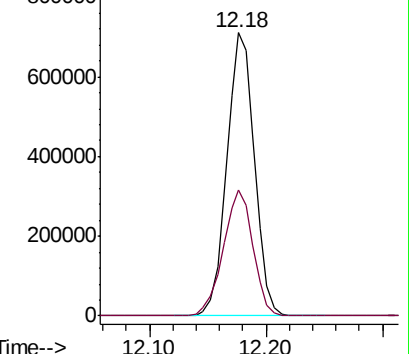
104 100

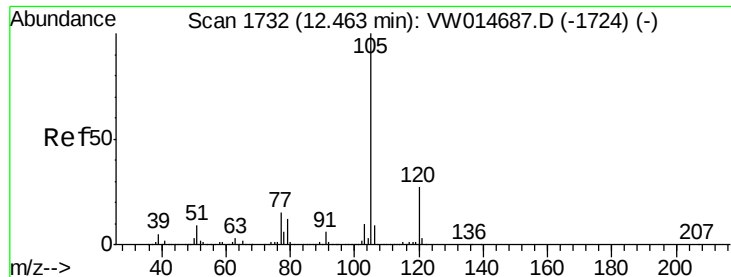
78 44.5 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.689 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

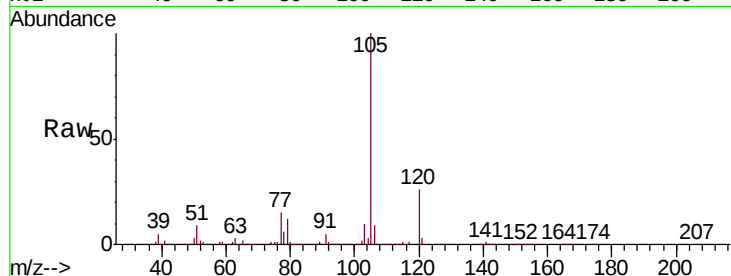
Tgt Ion: 105 Resp: 1802743

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

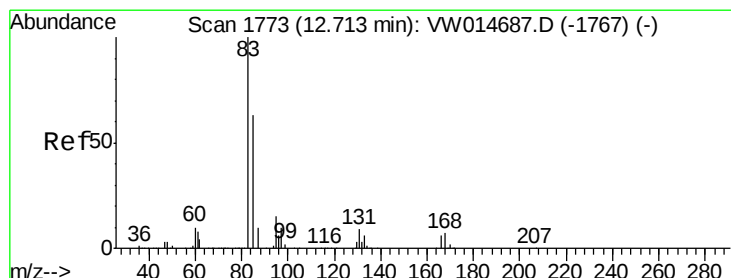
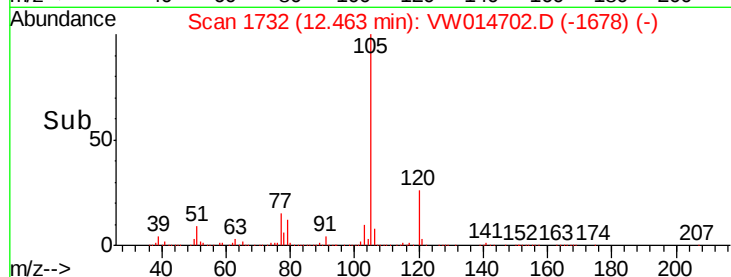
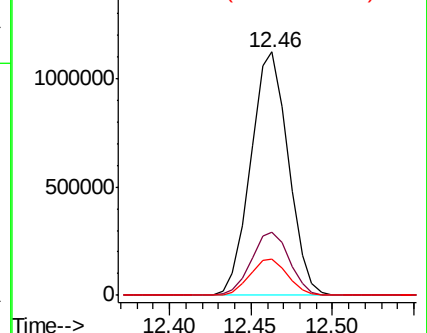
77 14.8 12.2 18.2



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: 26.060 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

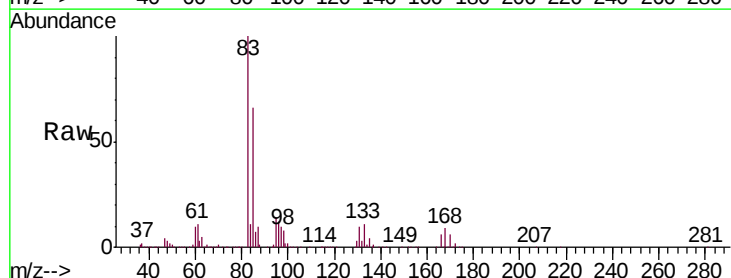
Tgt Ion: 83 Resp: 350722

Ion Ratio Lower Upper

83 100

85 65.6 45.3 84.1

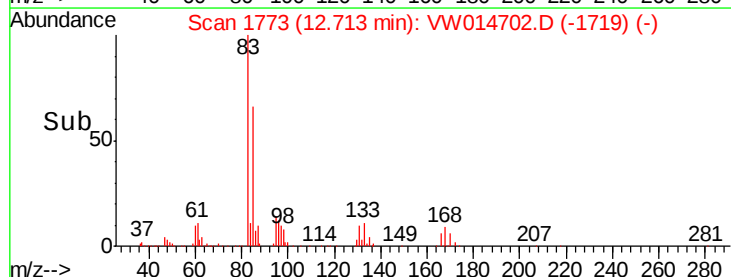
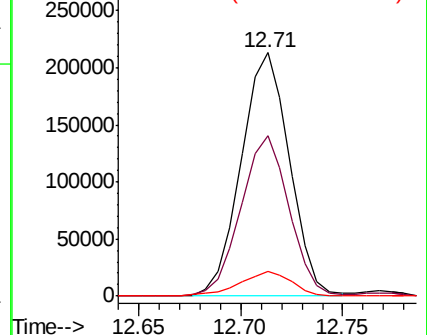
131 10.2 8.0 12.0

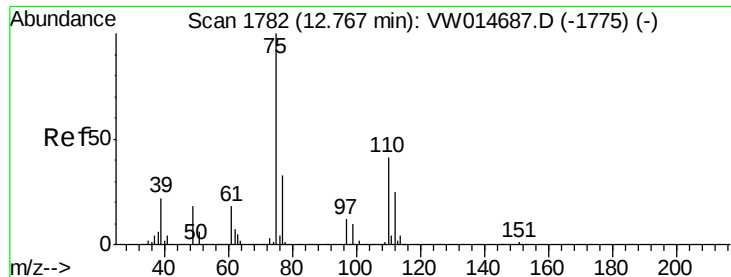


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

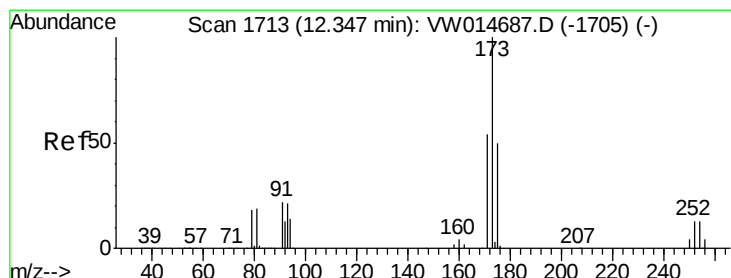
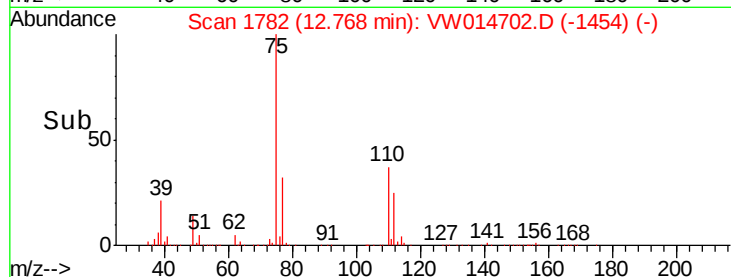
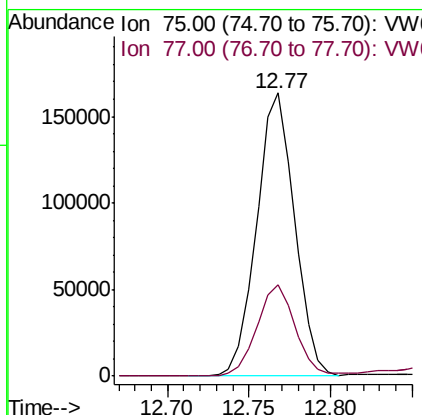
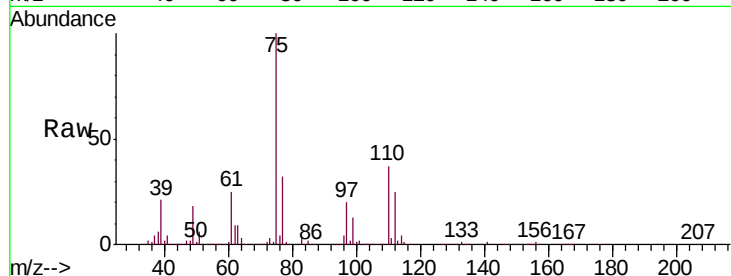




#59
 1,2,3-Trichloropropane
 Concen: 26.120 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

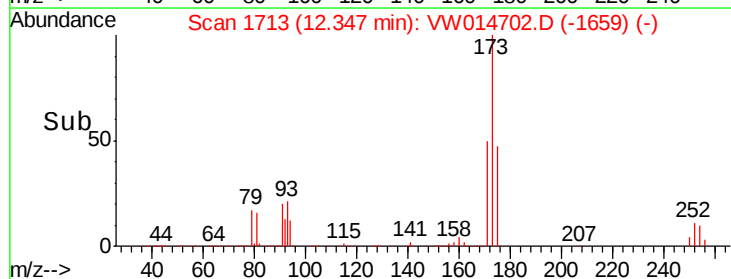
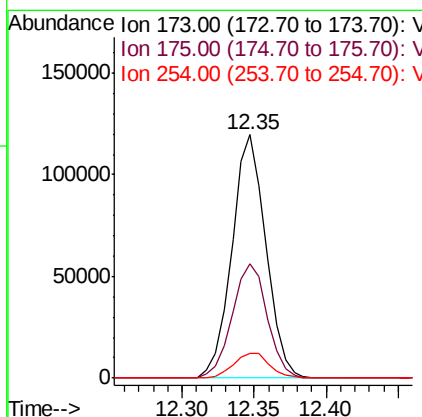
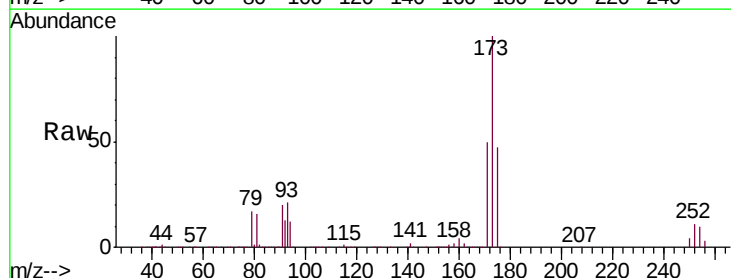
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

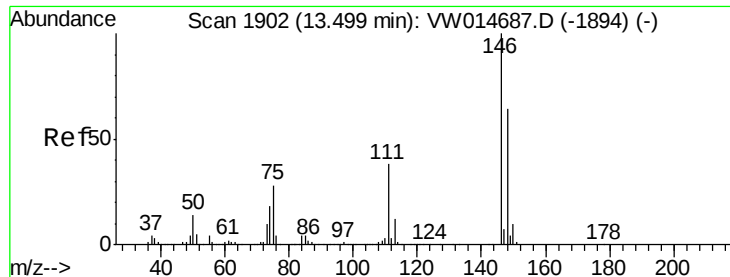
Tgt Ion: 75 Resp: 263337
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#62
 Bromoform
 Concen: 26.315 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion: 173 Resp: 195923
 Ion Ratio Lower Upper
 173 100
 175 48.7 40.5 60.7
 254 11.0 9.3 13.9

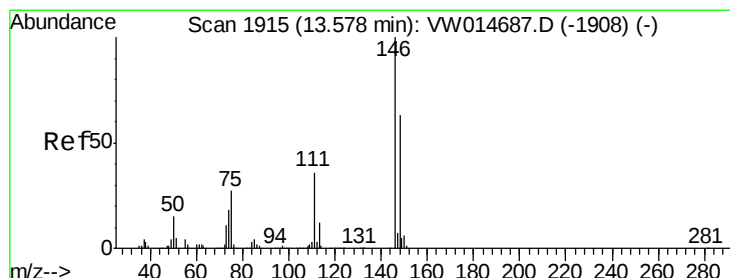
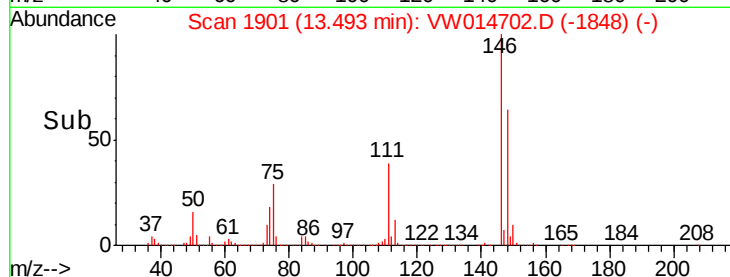
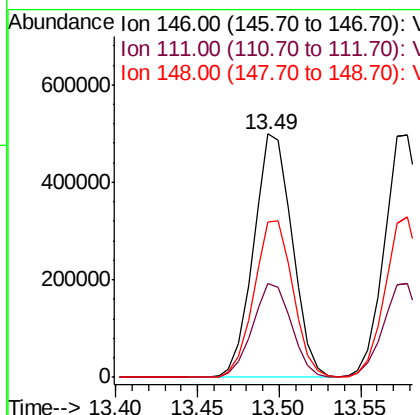
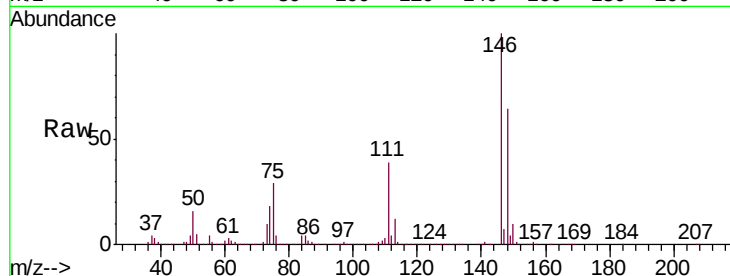




#63
 1,3-Dichlorobenzene
 Concen: 26.116 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

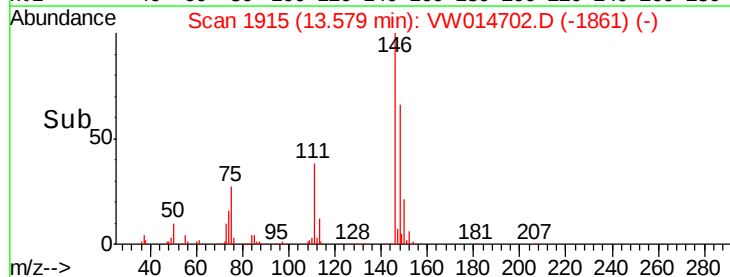
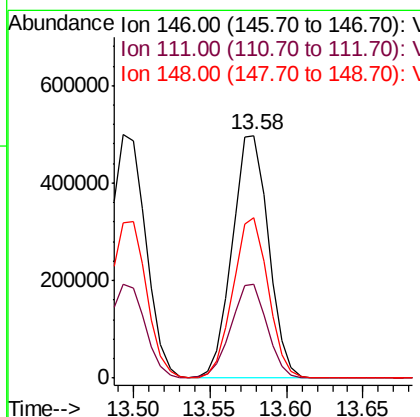
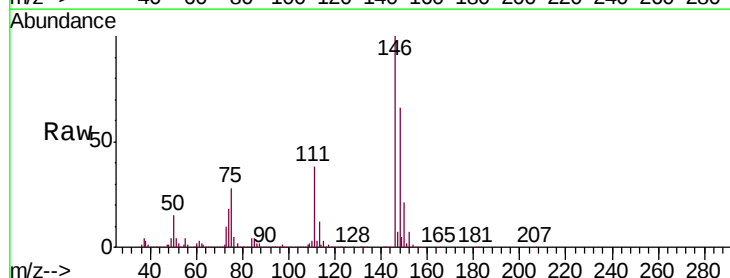
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

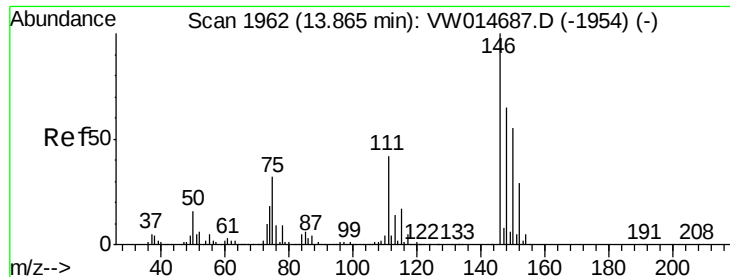
Tgt Ion:146 Resp: 823822
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.9 50.1
 148 64.0 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 25.699 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion:146 Resp: 817421
 Ion Ratio Lower Upper
 146 100
 111 38.4 24.5 45.5
 148 65.9 44.4 82.4

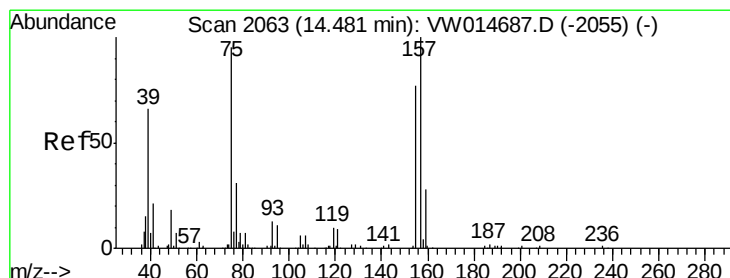
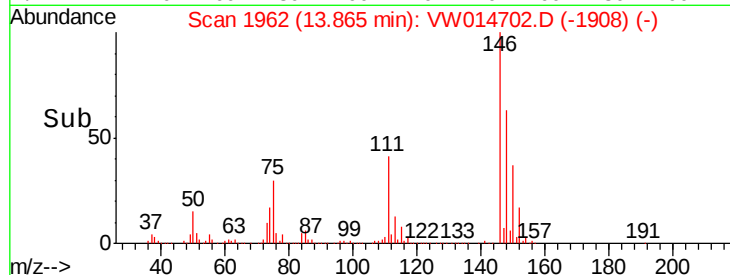
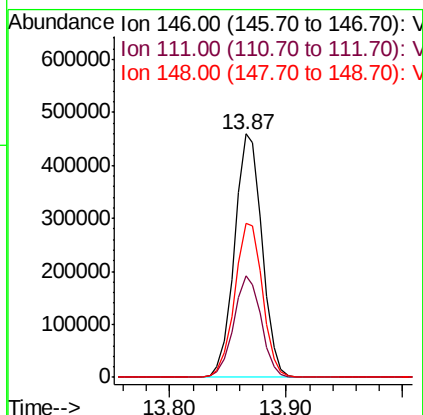
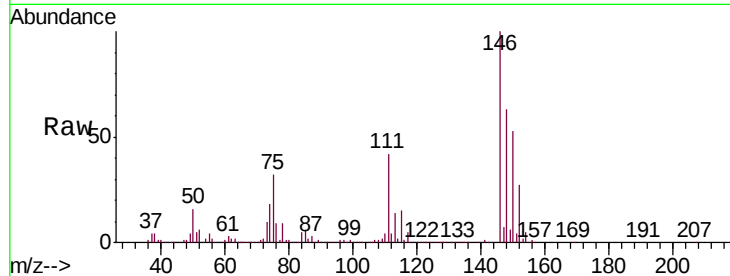




#65
 1,2-Dichlorobenzene
 Concen: 26.675 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

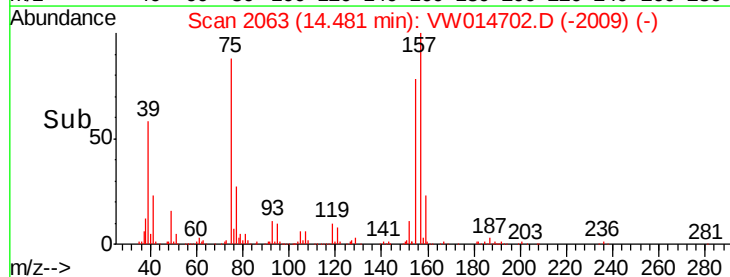
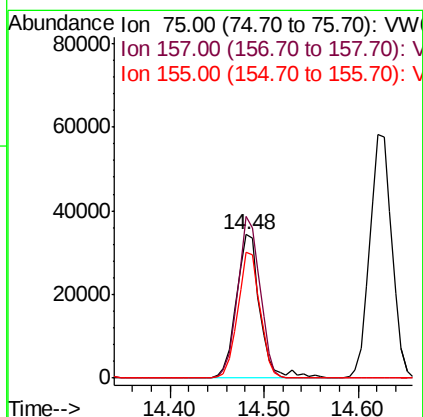
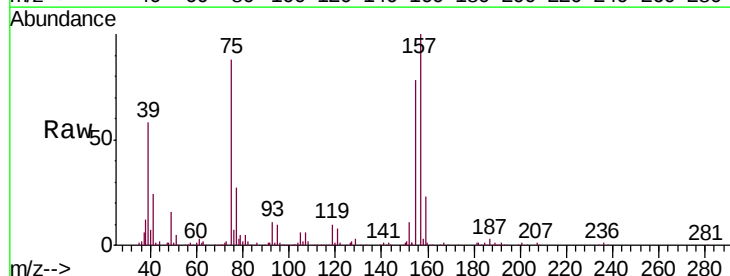
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02521

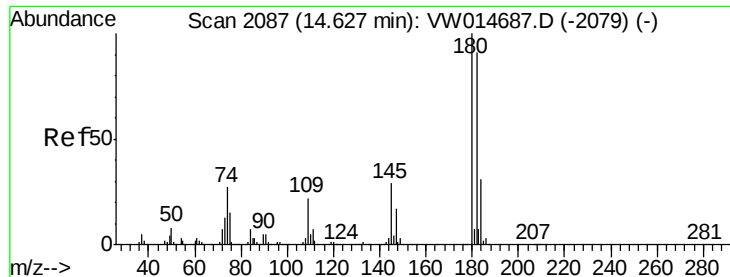
Tgt Ion: 146 Resp: 754334
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.2 51.2
 148 63.3 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.358 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion: 75 Resp: 59384
 Ion Ratio Lower Upper
 75 100
 157 113.0 87.2 130.8
 155 88.1 67.8 101.8

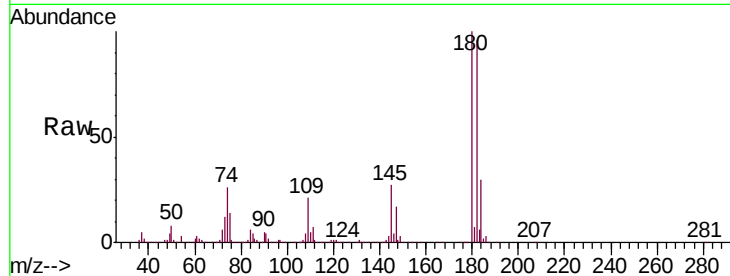




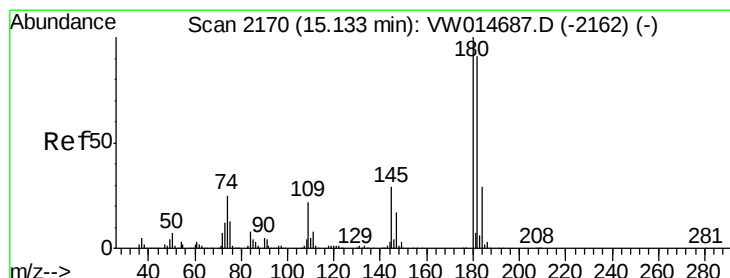
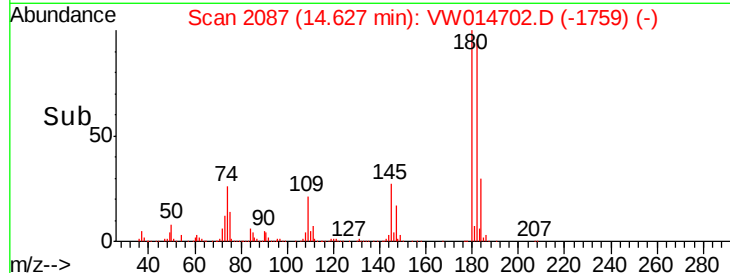
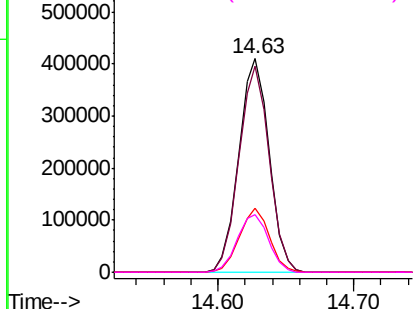
#67
 1,3,5-Trichlorobenzene
 Concen: 27.272 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Tgt Ion:	180	Resp:	637280
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.6
184	29.8	24.0	36.0
145	27.9	22.6	33.8

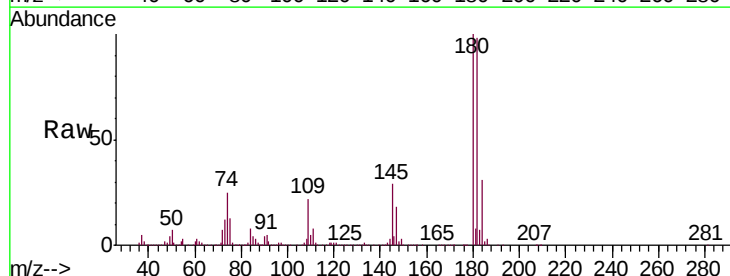


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

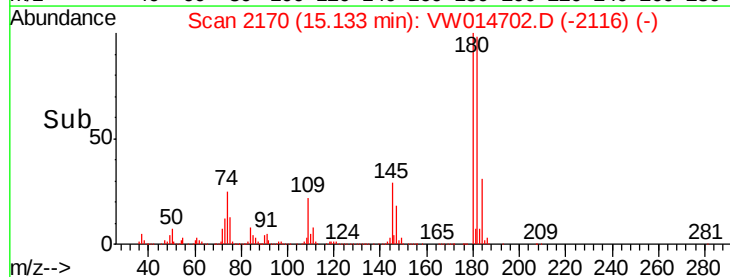
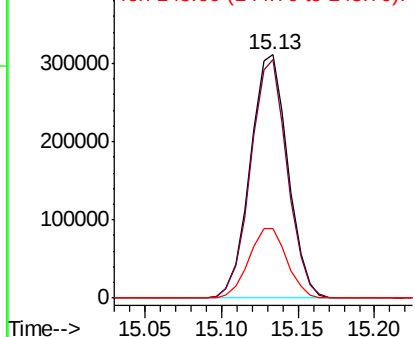


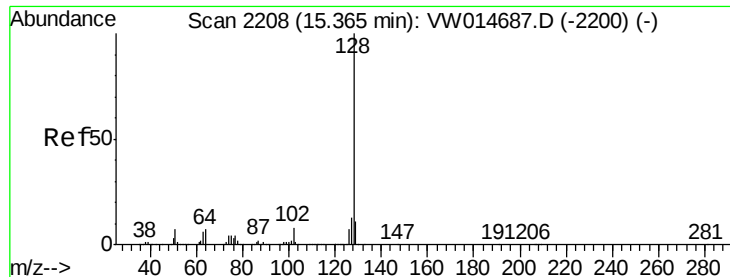
#68
 1,2,4-trichlorobenzene
 Concen: 30.334 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014702.D
 Acq: 20 Jan 2020 20:34

Tgt Ion:	180	Resp:	531347
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	29.0	23.1	34.7



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: 40.741 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02521

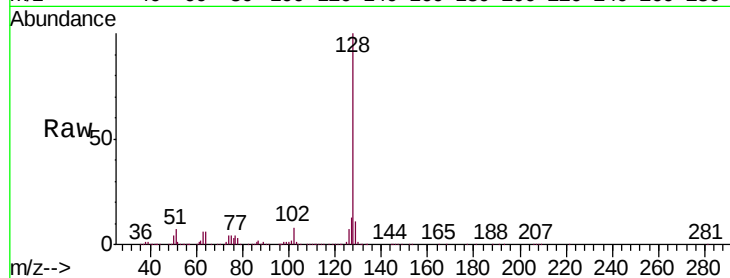
Tgt Ion:128 Resp: 1232068

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

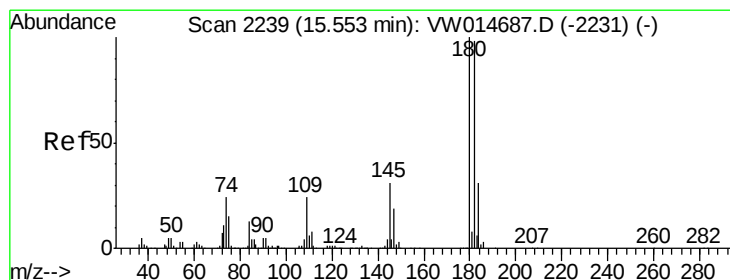
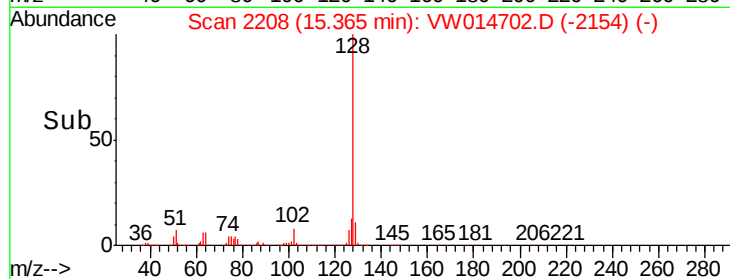
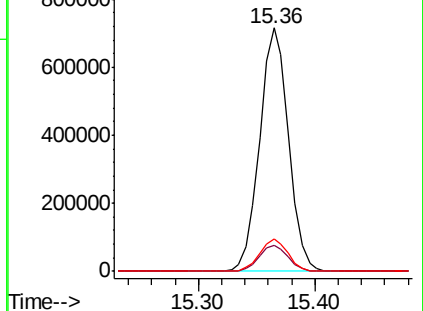
127 13.2 10.6 16.0



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: 30.375 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014702.D

Acq: 20 Jan 2020 20:34

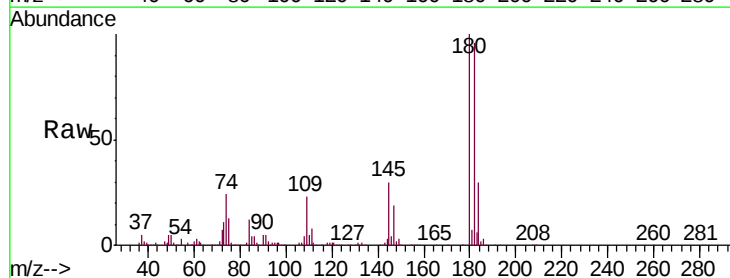
Tgt Ion:180 Resp: 482147

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.6

145 30.8 24.9 37.3



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

