

Data File : VW014238.D
Acq On : 06 Dec 2019 02:44
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Quant Time: Dec 06 06:56:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 06 06:50:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1288620	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1173829	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	578701	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	523238	26.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.24%
7) Chloroethane-d5	2.89	69	411230	28.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.36%
10) 1,1-Dichloroethene-d2	4.02	63	907541	26.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.32%
20) 2-Butanone-d5	7.07	46	291309	57.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.58%
24) Chloroform-d	7.64	84	959130	29.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.92%
26) 1,2-Dichloroethane-d4	8.30	65	498477	28.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.92%
29) Benzene-d6	8.27	84	2043201	29.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.80%
33) 1,2-Dichloropropane-d6	9.27	67	623440	29.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.84%
37) Toluene-d8	10.32	98	1880065	30.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	120.88%
38) trans-1,3-Dichloropropene-	10.57	79	254723	28.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	114.76%
39) 2-Hexanone-d5	10.92	63	239612	56.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	485519	28.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	633036	28.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	247884	20.225 ug/L	96
3) Chloromethane	2.21	50	251371	20.402 ug/L	95
5) Vinyl chloride	2.36	62	416254	22.817 ug/L	91
6) Bromomethane	2.78	94	257765	22.907 ug/L	99
8) Chloroethane	2.92	64	246950	23.694 ug/L	95
9) Trichlorofluoromethane	3.25	101	185721	20.564 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	384258	22.608 ug/L	94
12) 1,1-Dichloroethene	4.04	96	394545	22.928 ug/L #	74
13) Acetone	4.12	43	172391	35.163 ug/L	98
14) Carbon disulfide	4.38	76	1201627	22.768 ug/L	98
15) Methyl Acetate	4.67	43	206119	22.227 ug/L	98
16) Methylene chloride	4.92	84	454880	23.027 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	529111	23.316 ug/L #	91
18) trans-1,2-Dichloroethene	5.42	96	422861	22.946 ug/L	90
19) 1,1-Dichloroethane	6.21	63	776137	23.442 ug/L	100
21) 2-Butanone	7.16	43	281067	42.702 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	467239	23.828 ug/L	99

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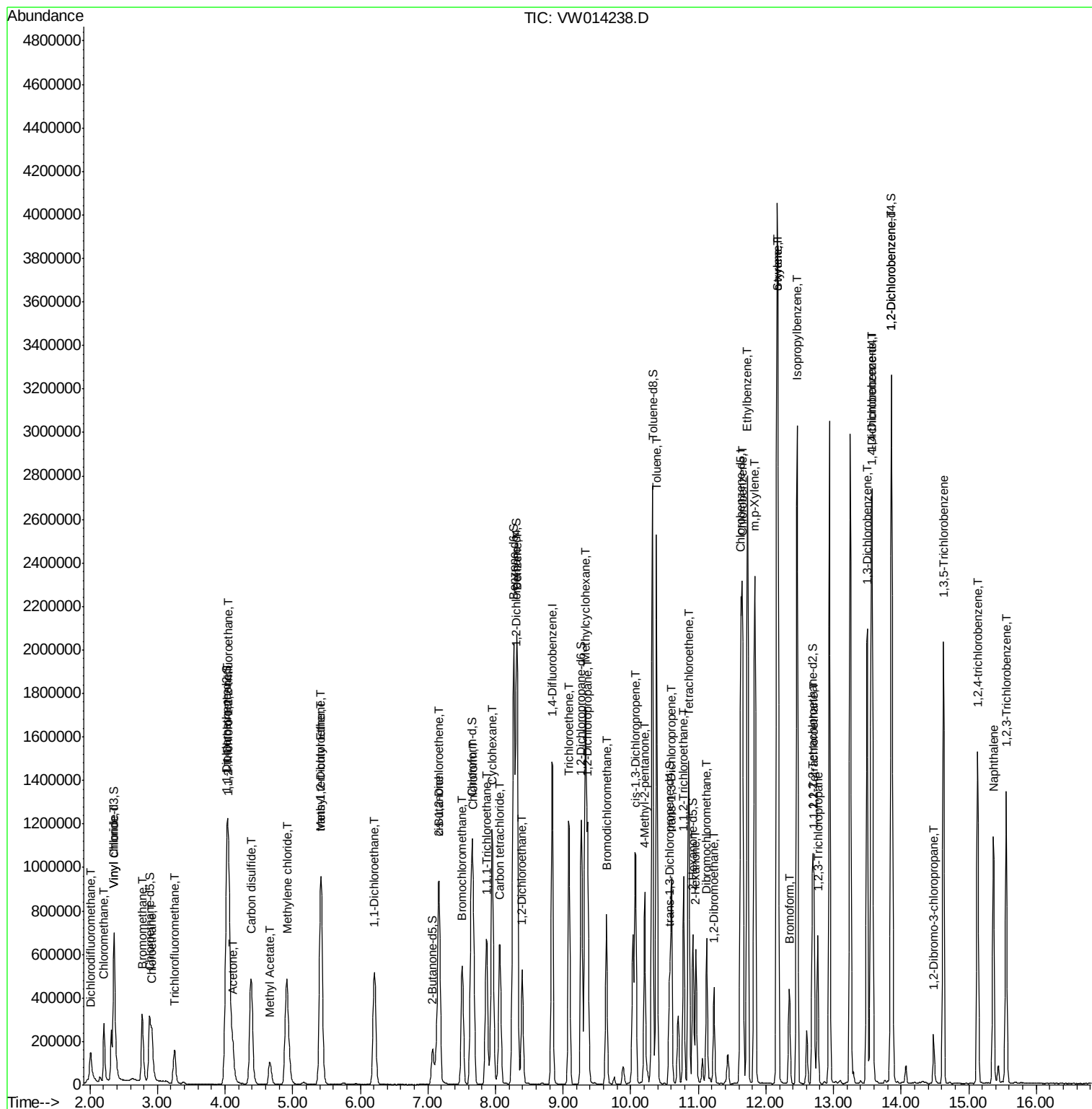
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	201161	22.302	ug/L	80
25) Chloroform	7.67	83	753984	23.435	ug/L	99
27) 1,2-Dichloroethane	8.40	62	481509	22.855	ug/L	98
30) Cyclohexane	7.95	56	699403	23.871	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	555236	23.553	ug/L	98
32) Carbon tetrachloride	8.06	117	517564	23.139	ug/L	99
34) Benzene	8.32	78	1783171	23.992	ug/L	100
35) Trichloroethene	9.09	95	440181	23.147	ug/L	95
36) Methylcyclohexane	9.33	83	728655	22.802	ug/L	96
40) 1,2-Dichloropropane	9.37	63	442470	23.173	ug/L	100
41) Bromodichloromethane	9.64	83	533369	22.985	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	670888	23.462	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	584394	46.413	ug/L	99
44) Toluene	10.38	91	1875391	24.068	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	528803	22.846	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	318507	22.260	ug/L	97
47) Tetrachloroethene	10.86	164	359179	22.661	ug/L	96
49) 2-Hexanone	10.96	43	398508	44.456	ug/L	97
50) Dibromochloromethane	11.13	129	364624	22.706	ug/L	98
51) 1,2-Dibromoethane	11.23	107	305283	22.525	ug/L #	100
52) Chlorobenzene	11.65	112	1175165	23.335	ug/L	94
53) Ethylbenzene	11.73	91	2036067	24.081	ug/L	99
54) m,p-Xylene	11.83	106	777268	23.898	ug/L	97
55) o-xylene	12.16	106	752165	24.382	ug/L	96
56) Styrene	12.18	104	1283751	24.325	ug/L	98
57) Isopropylbenzene	12.46	105	1931558	24.118	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	396592	22.332	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	290260	21.996	ug/L	99
62) Bromoform	12.35	173	210233	21.405	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	900762	23.158	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	902520	22.838	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	831768	22.995	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	59137	21.194	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	653389	23.348	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	524152	24.026	ug/L	99
69) Naphthalene	15.36	128	987021	24.058	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	489407	23.922	ug/L	99

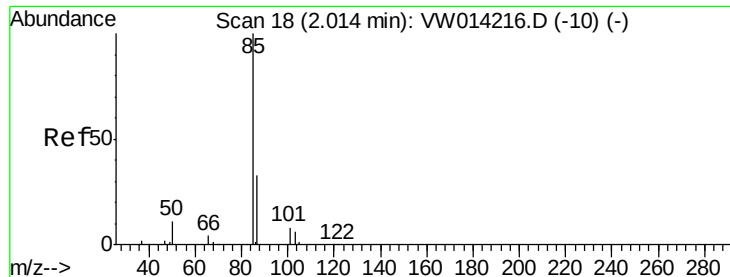
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.225 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

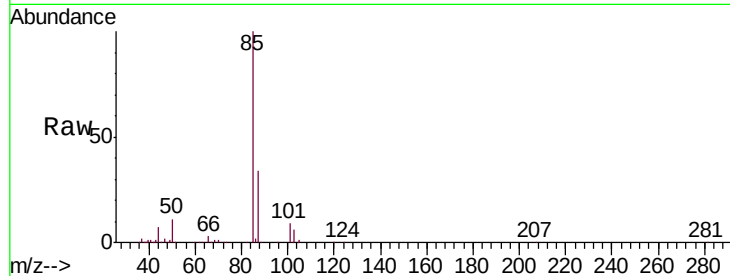
VSTD02530

Tgt Ion: 85 Resp: 247884

Ion Ratio Lower Upper

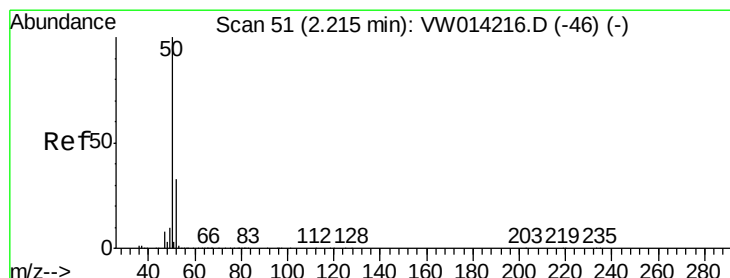
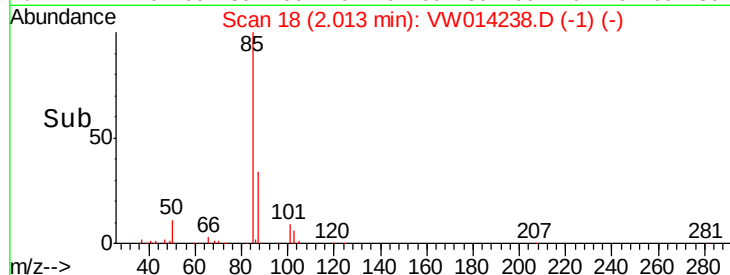
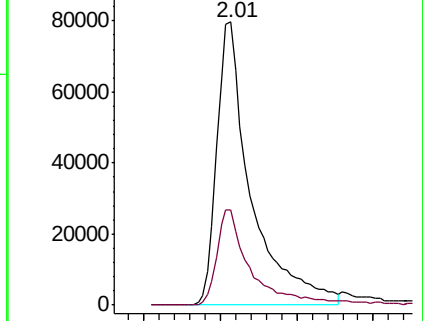
85 100

87 29.6 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 20.402 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014238.D

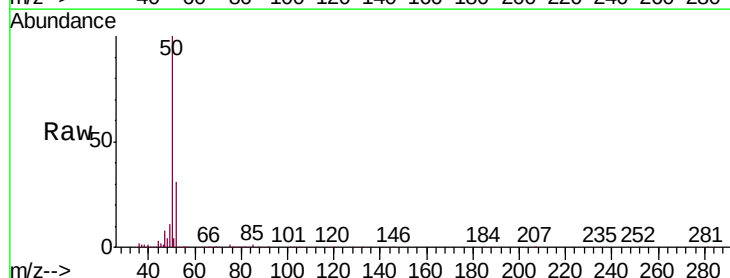
Acq: 06 Dec 2019 02:44

Tgt Ion: 50 Resp: 251371

Ion Ratio Lower Upper

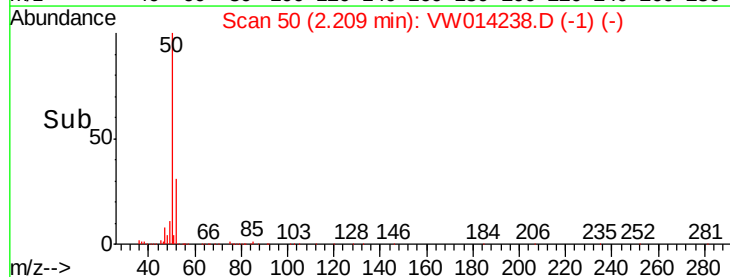
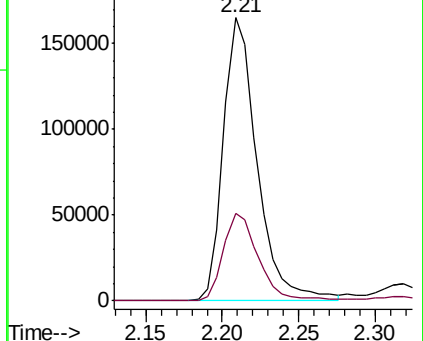
50 100

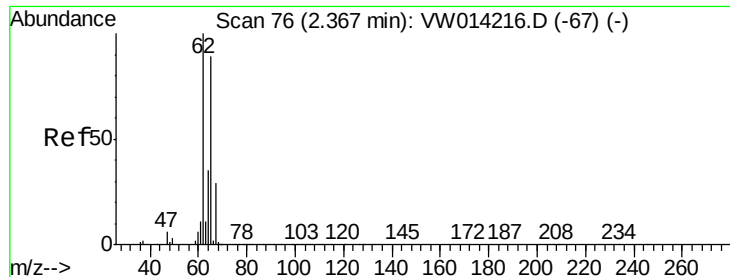
52 31.1 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.817 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

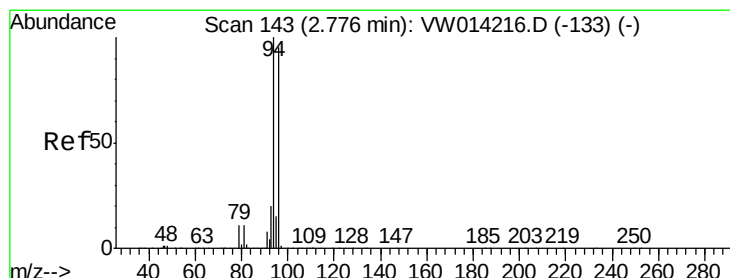
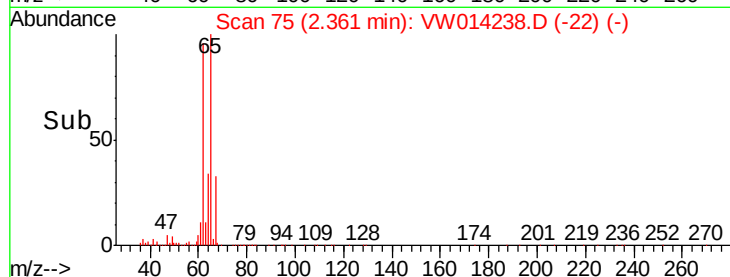
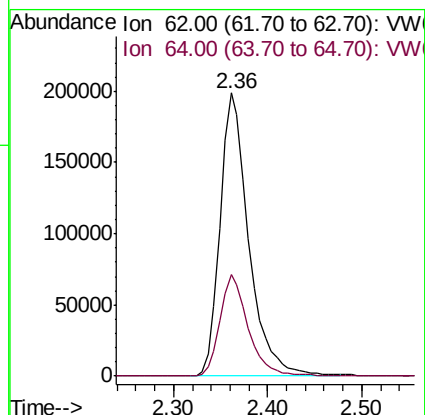
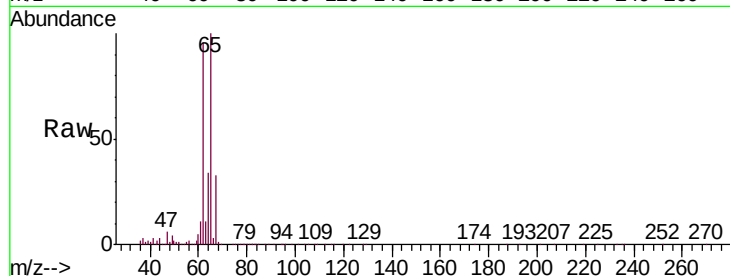
VSTD02530

Tgt Ion: 62 Resp: 416254

Ion Ratio Lower Upper

62 100

64 35.9 21.8 40.4



#6

Bromomethane

Concen: 22.907 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014238.D

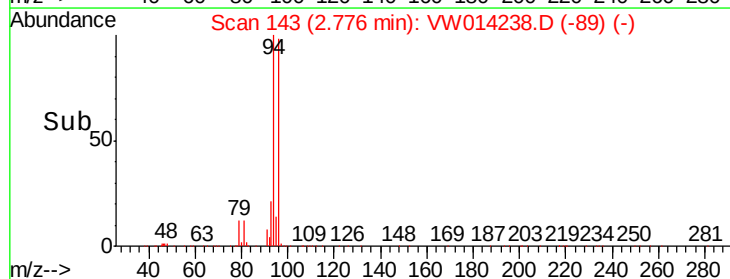
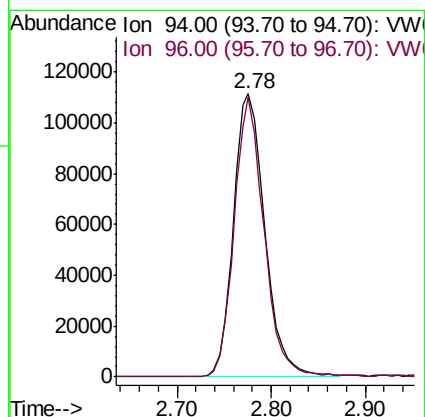
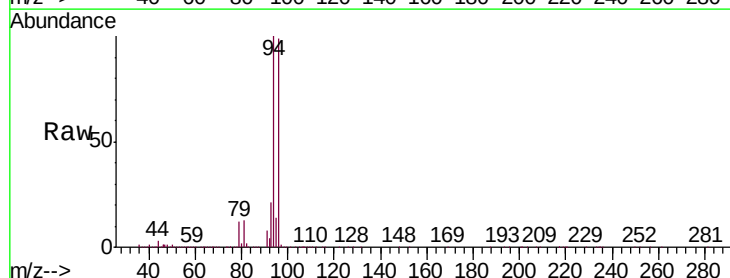
Acq: 06 Dec 2019 02:44

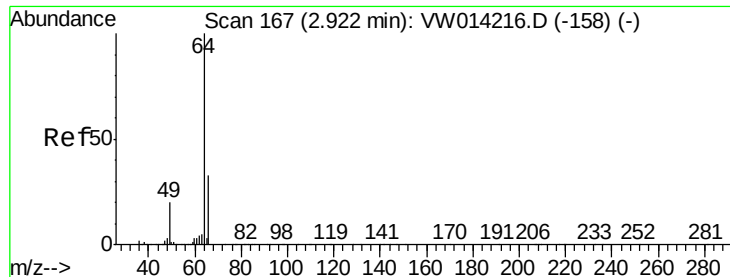
Tgt Ion: 94 Resp: 257765

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.8





#8

Chloroethane

Concen: 23.694 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

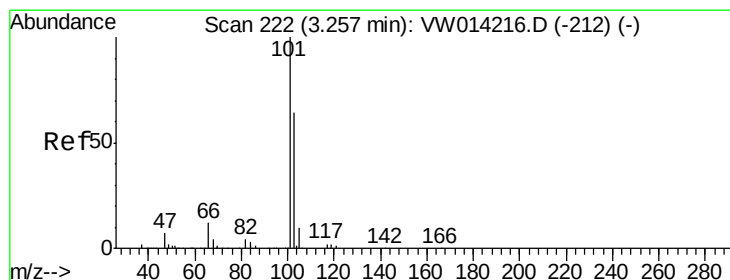
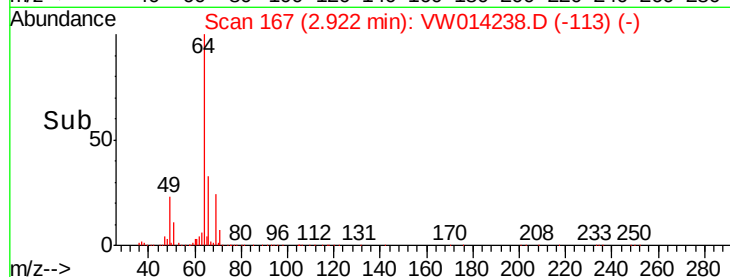
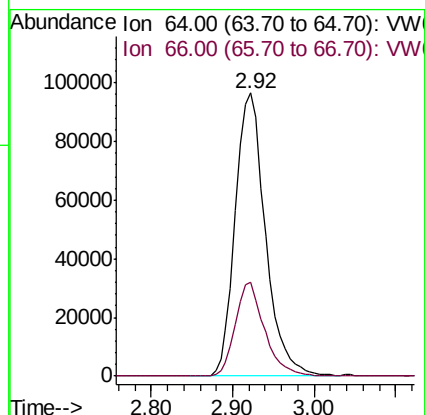
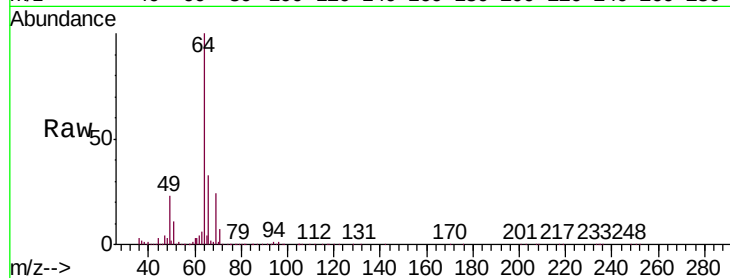
VSTD02530

Tgt Ion: 64 Resp: 246950

Ion Ratio Lower Upper

64 100

66 33.0 21.2 39.4



#9

Trichlorofluoromethane

Concen: 20.564 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014238.D

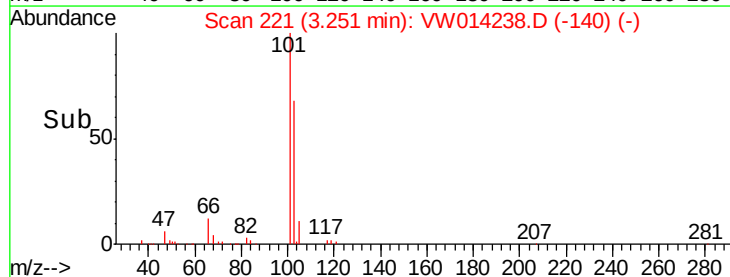
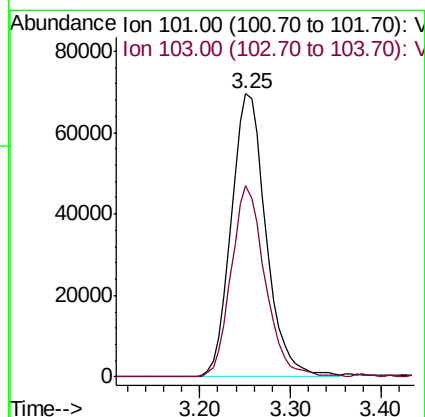
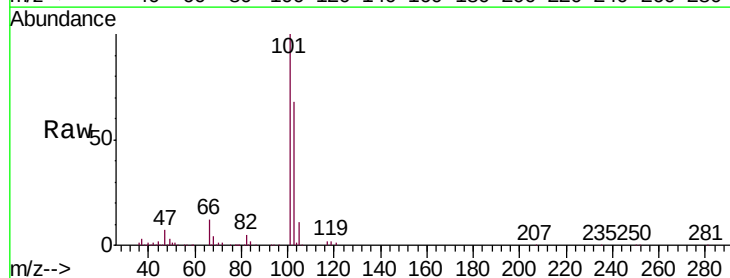
Acq: 06 Dec 2019 02:44

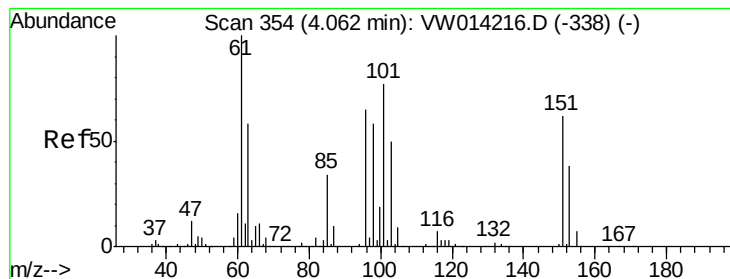
Tgt Ion: 101 Resp: 185721

Ion Ratio Lower Upper

101 100

103 65.3 45.4 84.2





#11

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

Concen: 22.608 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

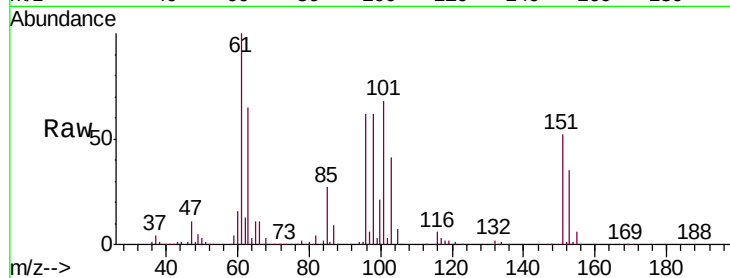
Tgt Ion:101 Resp: 384258

Ion Ratio Lower Upper

101 100

85 40.4 31.4 47.2

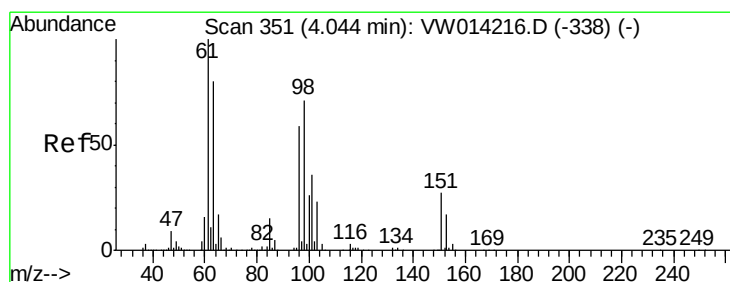
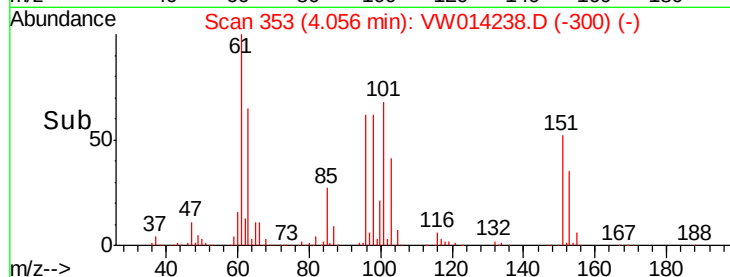
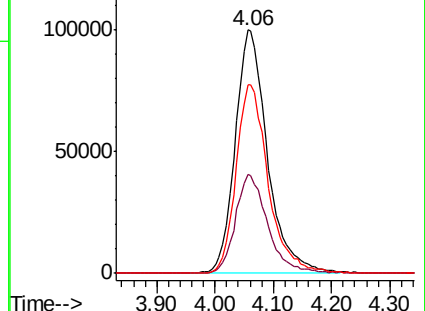
151 76.5 66.9 100.3



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: 22.928 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

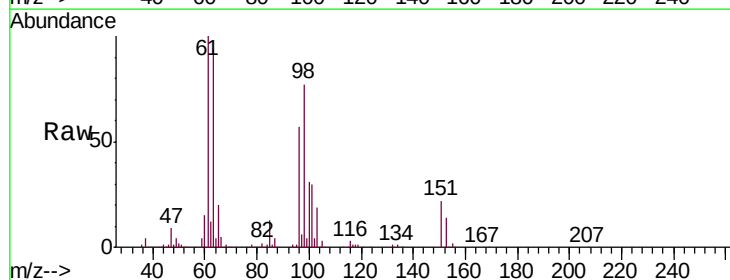
Tgt Ion: 96 Resp: 394545

Ion Ratio Lower Upper

96 100

61 174.4 109.8 204.0

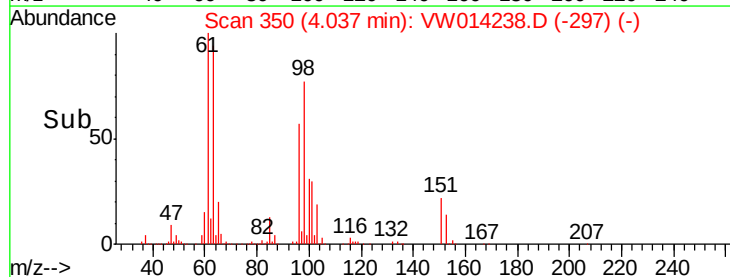
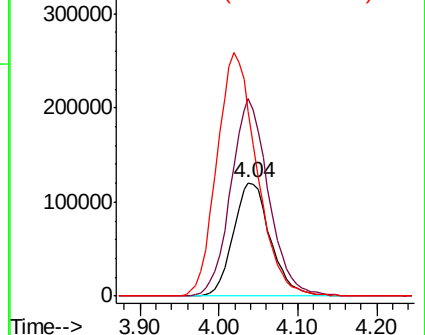
63 163.2 80.7 149.9#

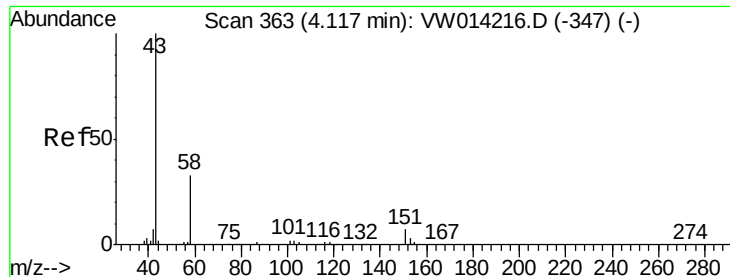


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 35.163 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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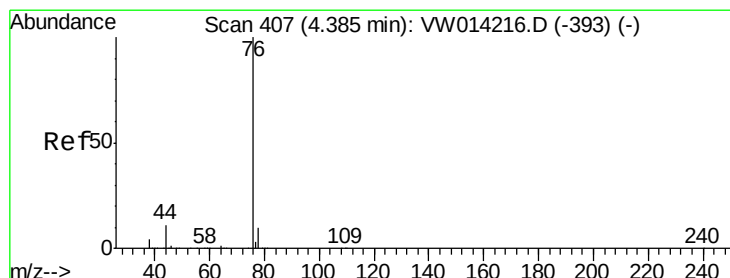
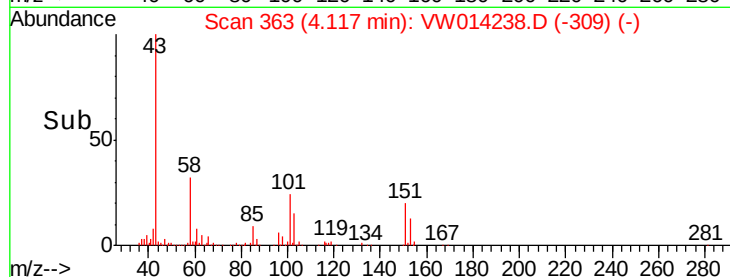
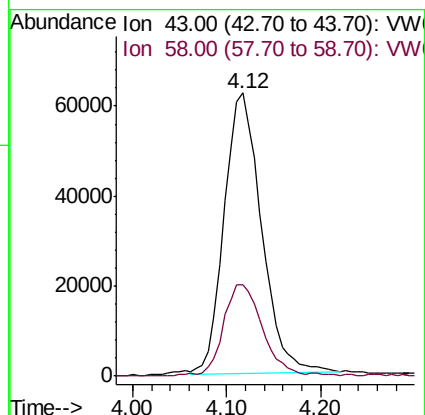
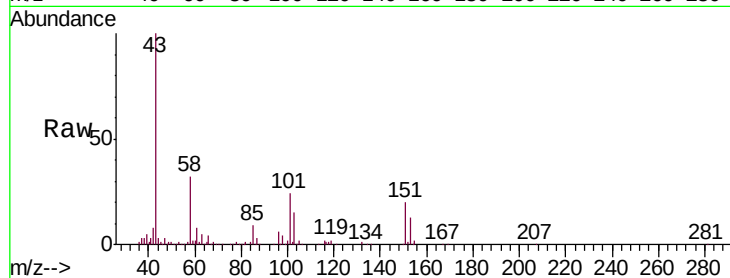
VSTD02530

Tgt Ion: 43 Resp: 172391

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.4



#14

Carbon disulfide

Concen: 22.768 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014238.D

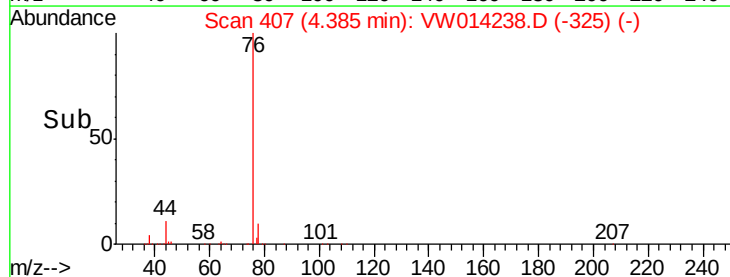
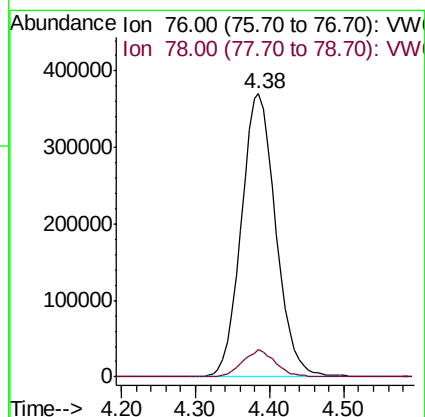
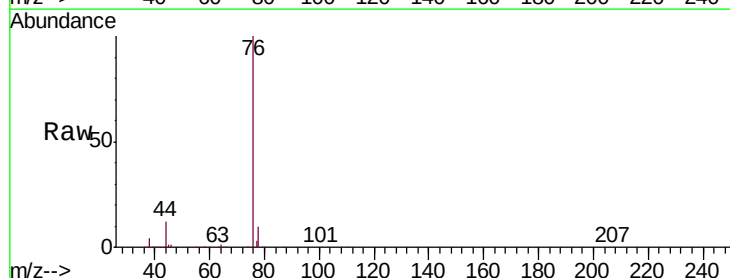
Acq: 06 Dec 2019 02:44

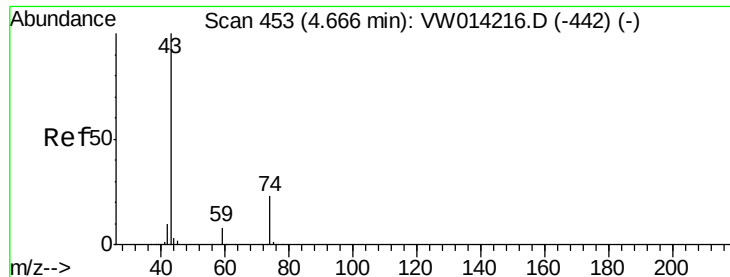
Tgt Ion: 76 Resp: 1201627

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

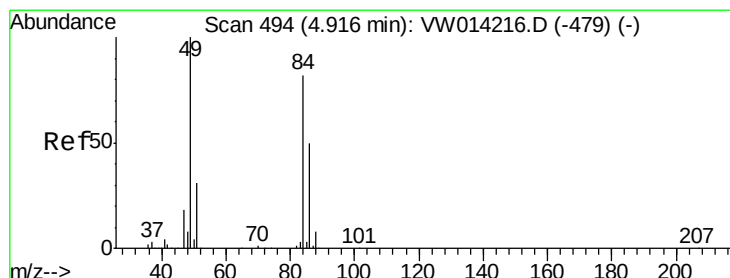
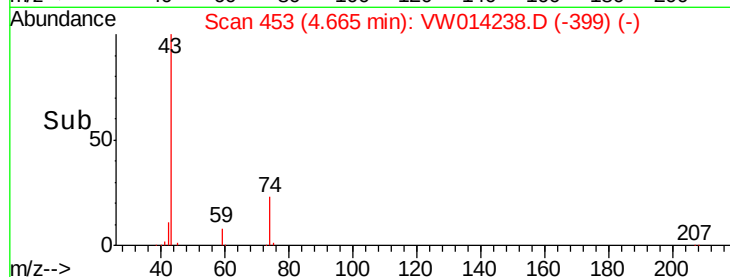
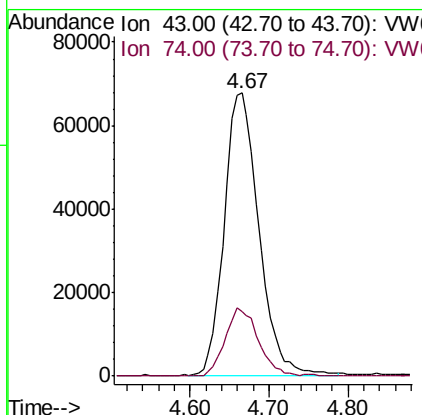
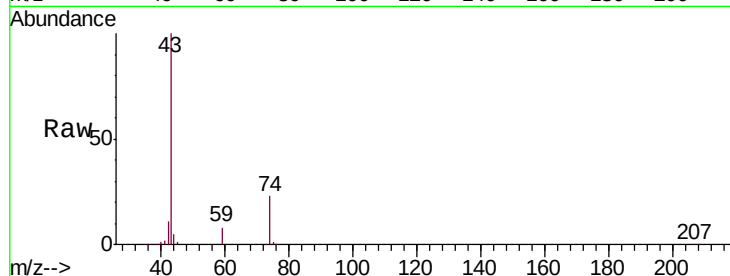




#15
Methyl Acetate
Concen: 22.227 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

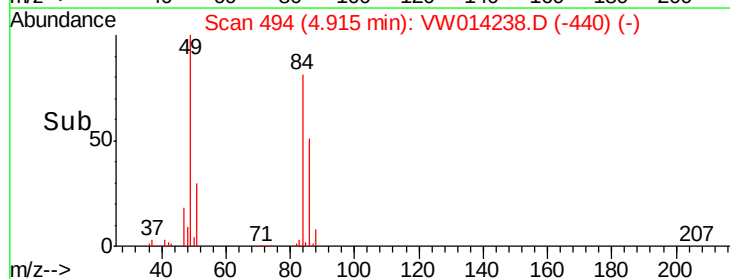
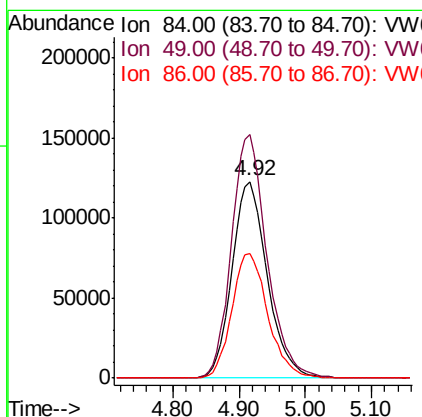
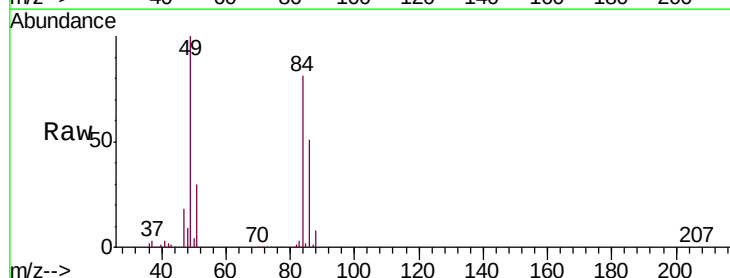
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

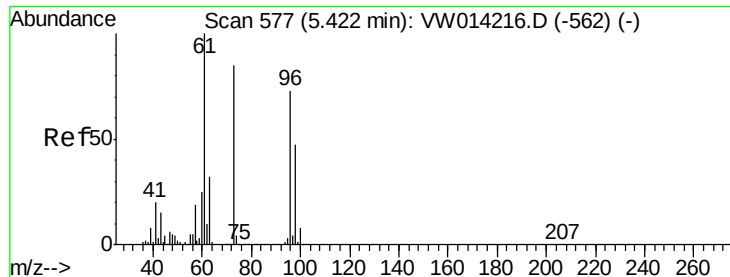
Tgt Ion: 43 Resp: 206119
Ion Ratio Lower Upper
43 100
74 23.1 19.3 28.9



#16
Methylene chloride
Concen: 23.027 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

Tgt Ion: 84 Resp: 454880
Ion Ratio Lower Upper
84 100
49 124.0 84.2 156.4
86 63.4 43.7 81.1

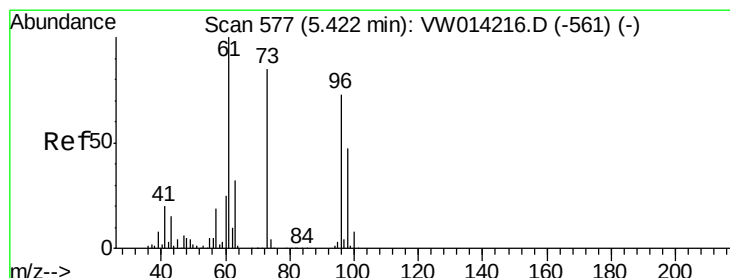
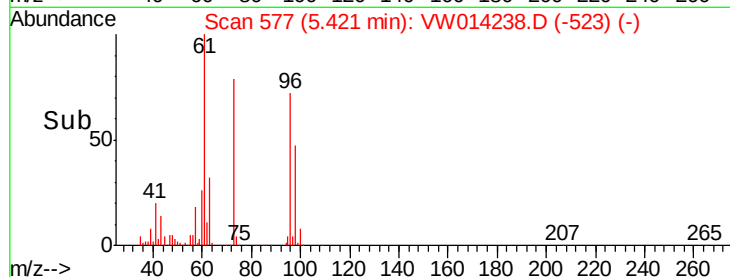
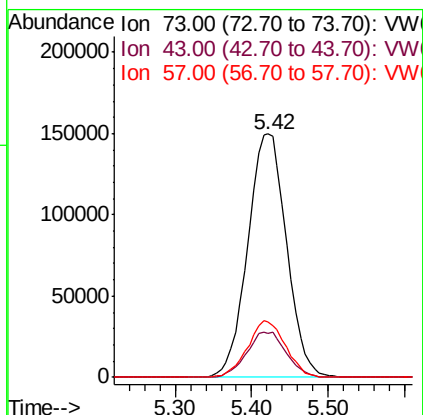
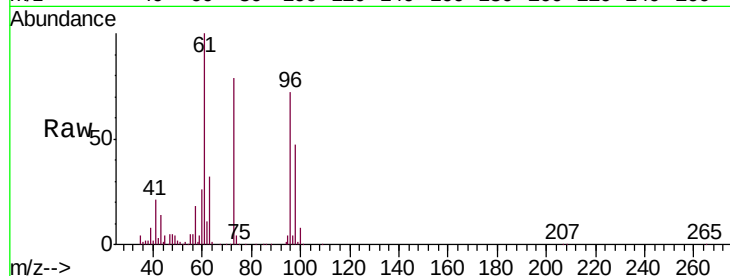




#17
Methyl tert-butyl Ether
Concen: 23.316 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

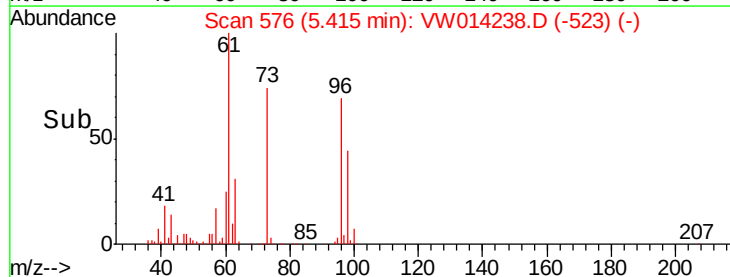
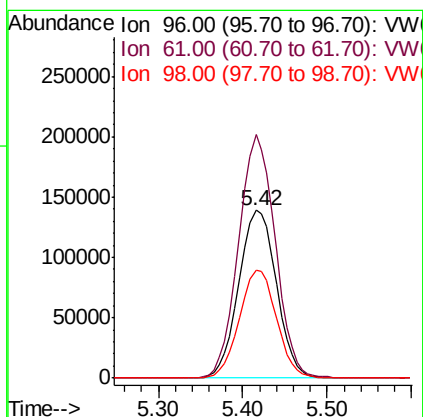
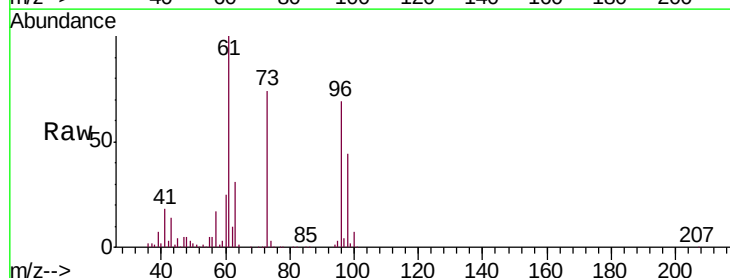
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

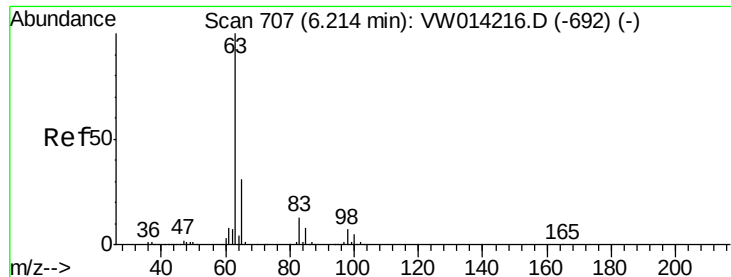
Tgt Ion: 73 Resp: 529111
Ion Ratio Lower Upper
73 100
43 10.9 15.5 23.3#
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 22.946 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

Tgt Ion: 96 Resp: 422861
Ion Ratio Lower Upper
96 100
61 145.1 90.6 168.2
98 64.0 42.9 79.7

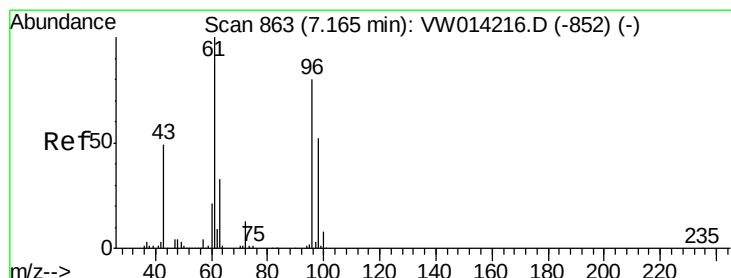
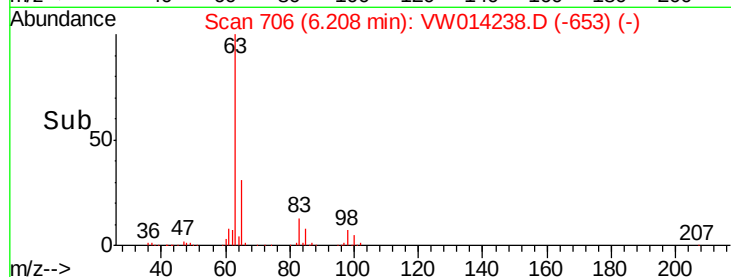
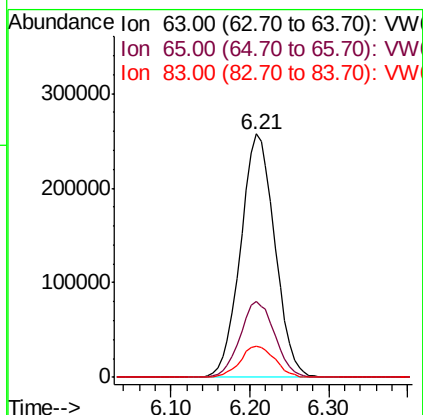
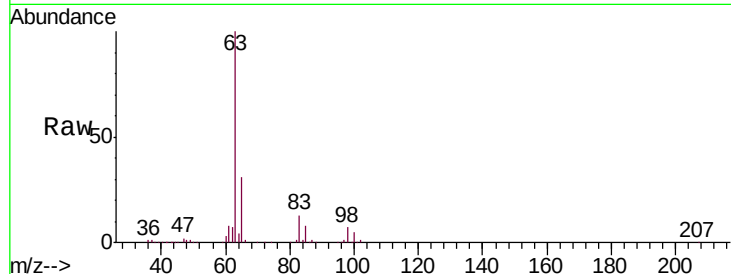




#19
 1,1-Dichloroethane
 Concen: 23.442 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

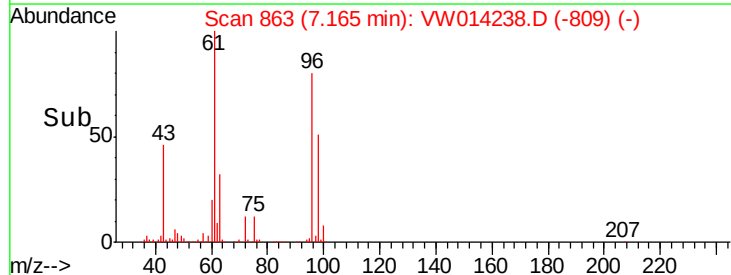
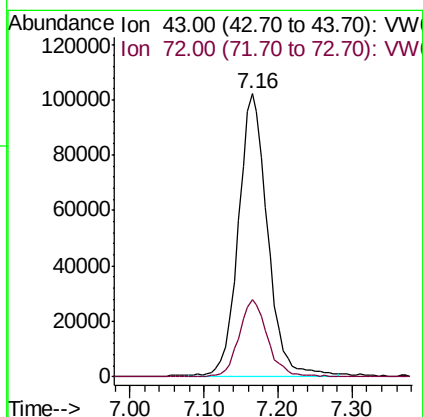
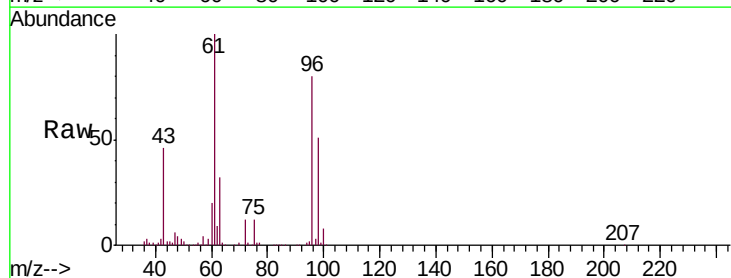
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

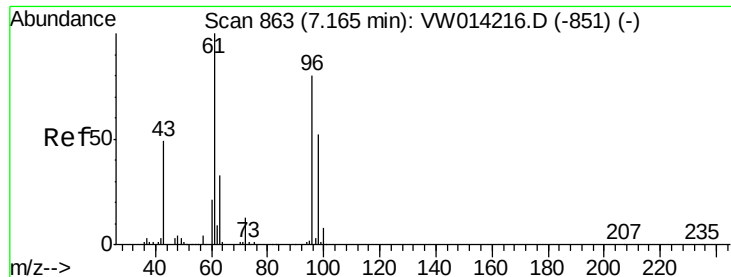
Tgt Ion: 63 Resp: 776137
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.1 41.1
 83 12.9 9.0 16.6



#21
 2-Butanone
 Concen: 42.702 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

Tgt Ion: 43 Resp: 281067
 Ion Ratio Lower Upper
 43 100
 72 26.4 14.1 42.2



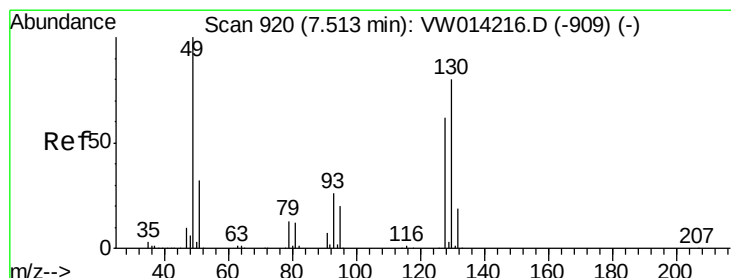
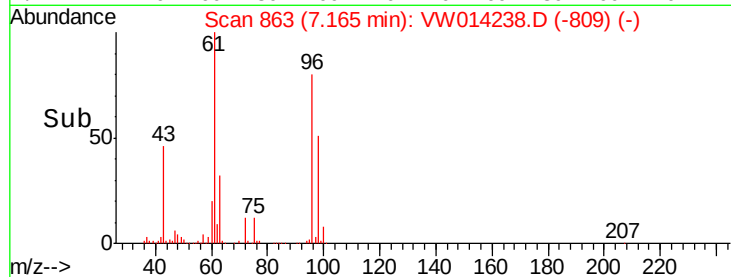
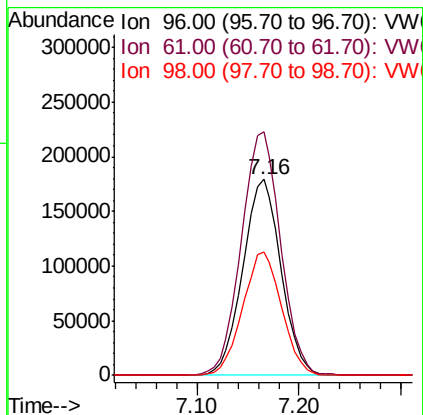
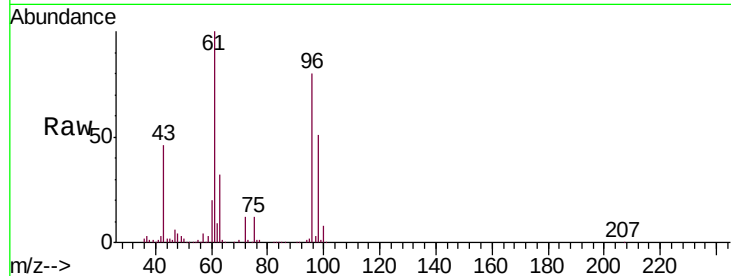


#22

cis-1,2-Dichloroethene
Concen: 23.828 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

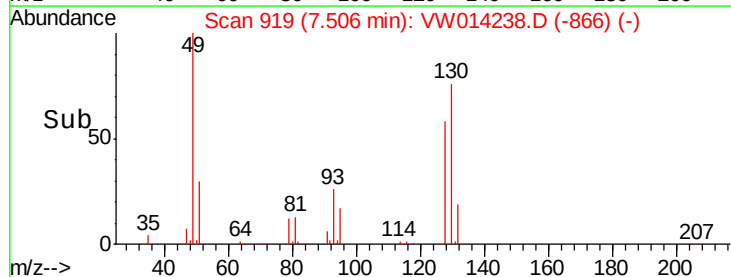
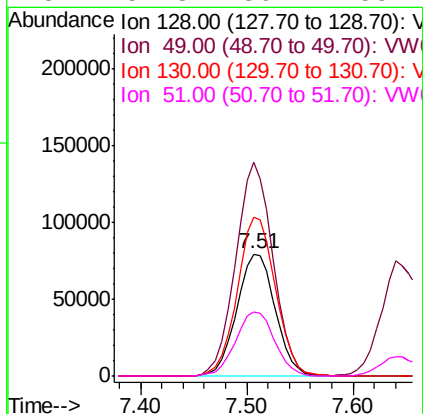
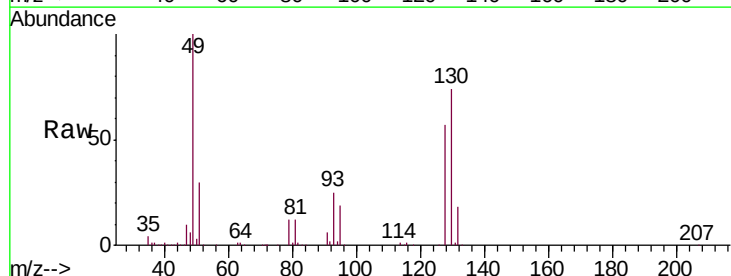
Tgt Ion: 96 Resp: 467239
Ion Ratio Lower Upper
96 100
61 124.3 86.9 161.5
98 63.2 45.5 84.5

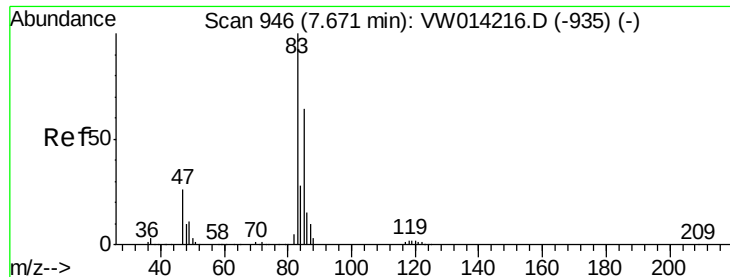


#23

Bromochloromethane
Concen: 22.302 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

Tgt Ion: 128 Resp: 201161
Ion Ratio Lower Upper
128 100
49 175.4 95.1 176.5
130 130.2 85.0 158.0
51 52.8 36.7 55.1





#25

Chloroform

Concen: 23.435 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

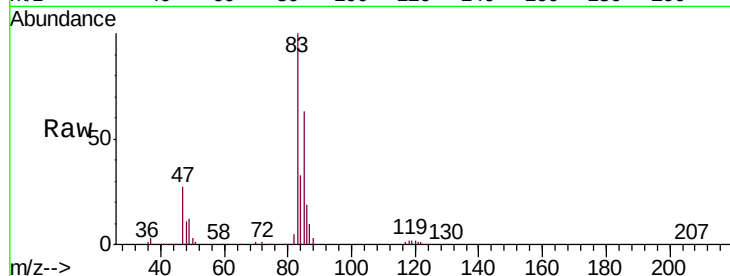
VSTD02530

Tgt Ion: 83 Resp: 753984

Ion Ratio Lower Upper

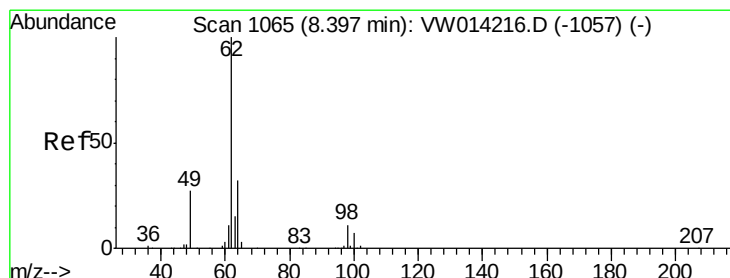
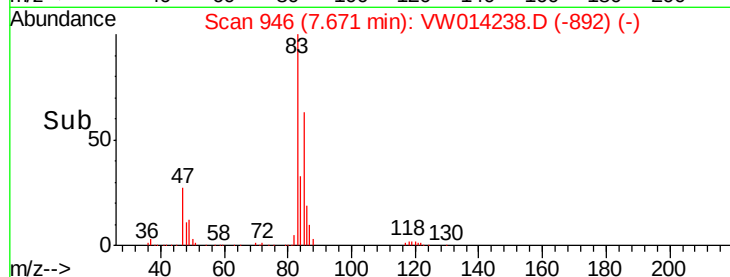
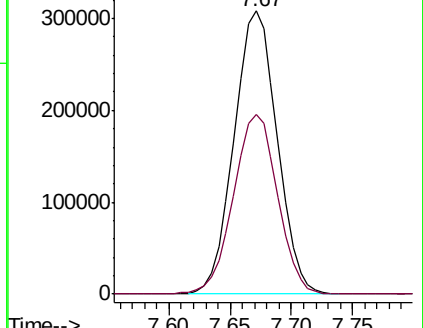
83 100

85 64.8 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 22.855 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014238.D

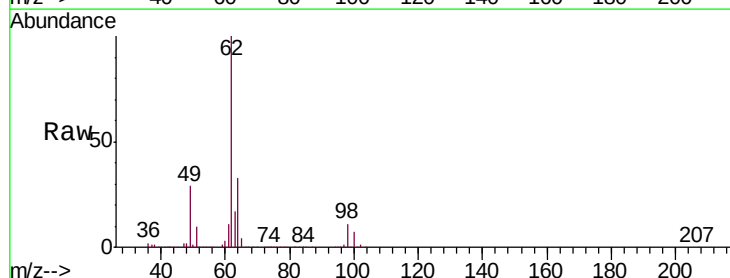
Acq: 06 Dec 2019 02:44

Tgt Ion: 62 Resp: 481509

Ion Ratio Lower Upper

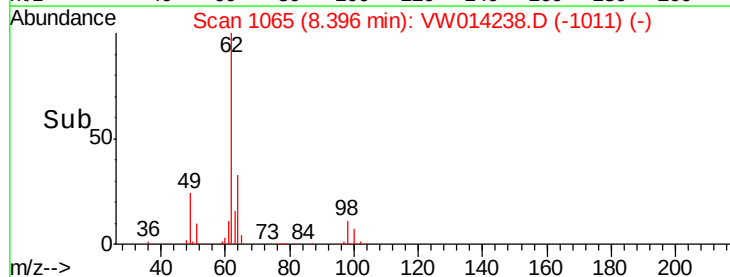
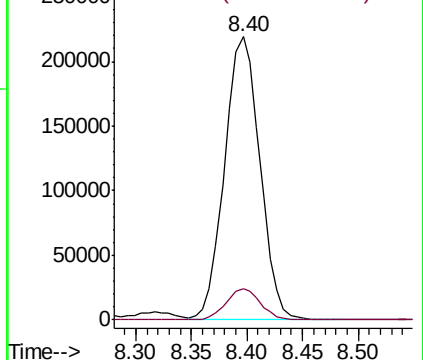
62 100

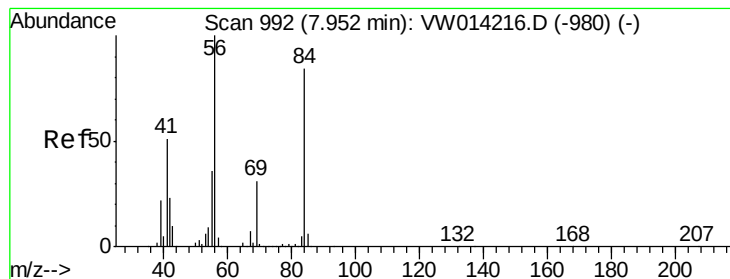
98 11.0 9.3 13.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 23.871 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

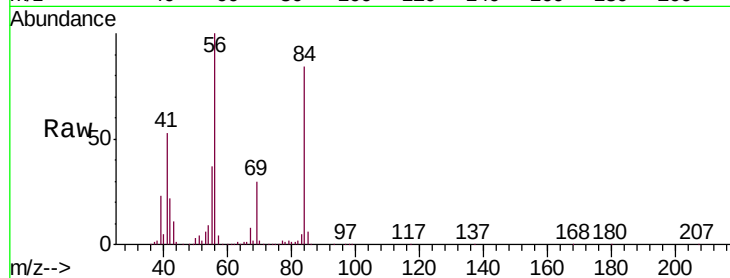
Tgt Ion: 56 Resp: 699403

Ion Ratio Lower Upper

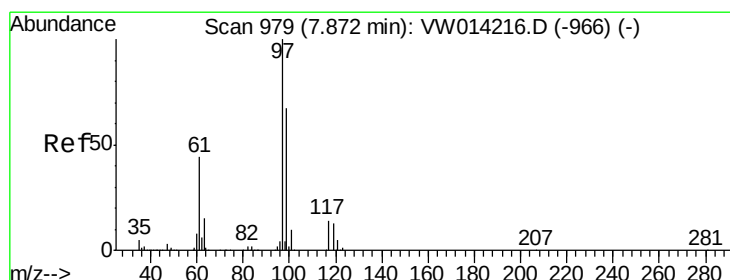
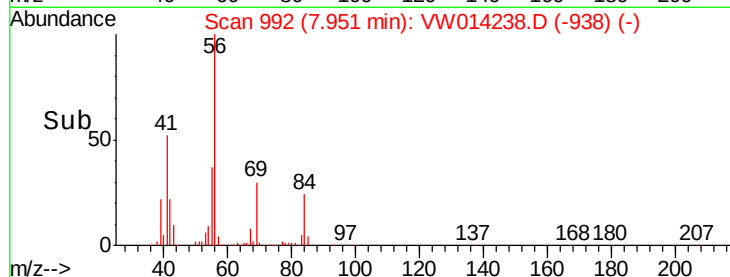
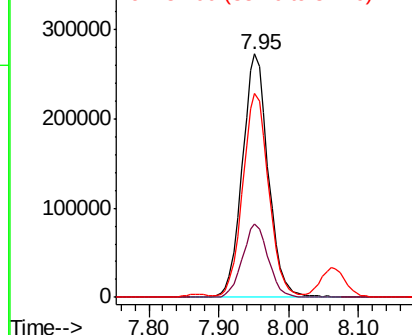
56 100

69 29.9 24.6 37.0

84 84.2 70.2 105.2



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: 23.553 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

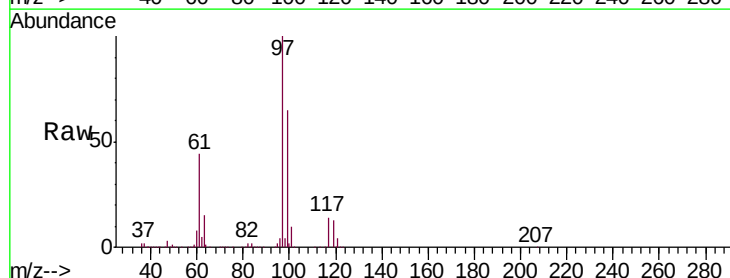
Tgt Ion: 97 Resp: 555236

Ion Ratio Lower Upper

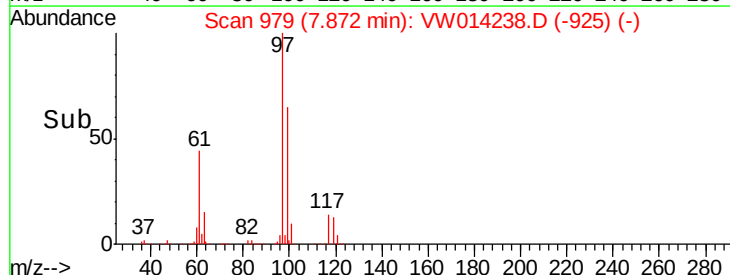
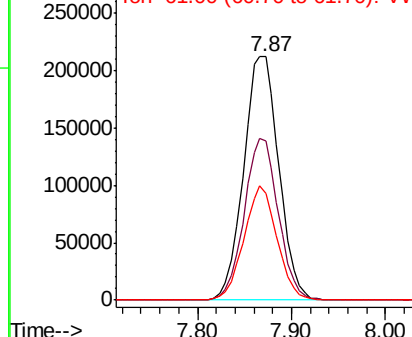
97 100

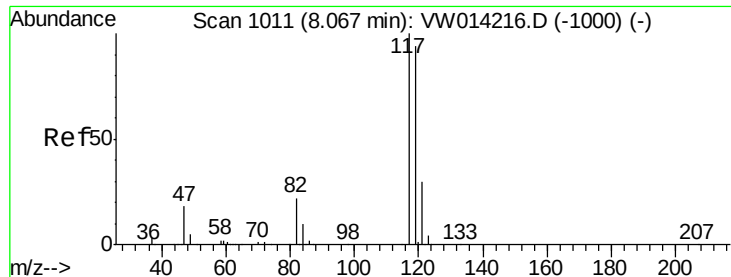
99 64.2 51.1 76.7

61 44.1 32.8 49.2



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: 23.139 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

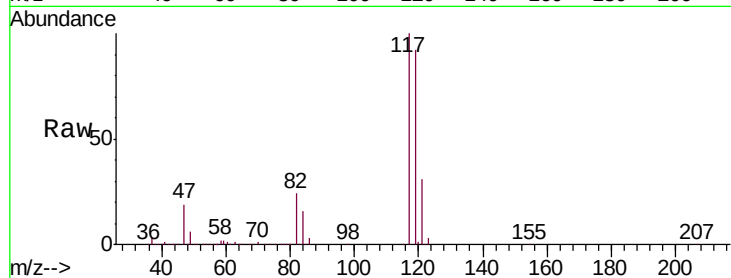
VSTD02530

Tgt Ion:117 Resp: 517564

Ion Ratio Lower Upper

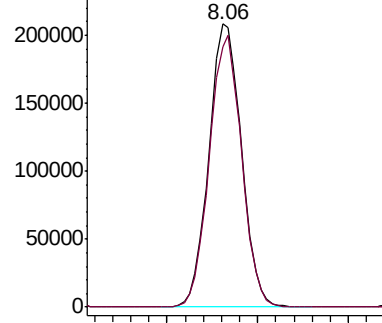
117 100

119 95.4 76.7 115.1

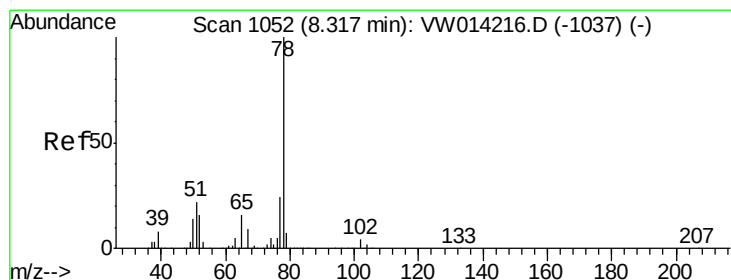
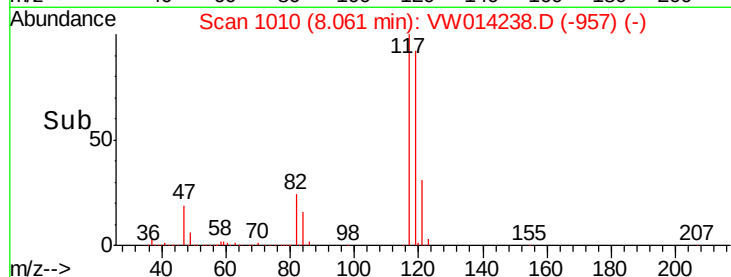


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 23.992 ug/L

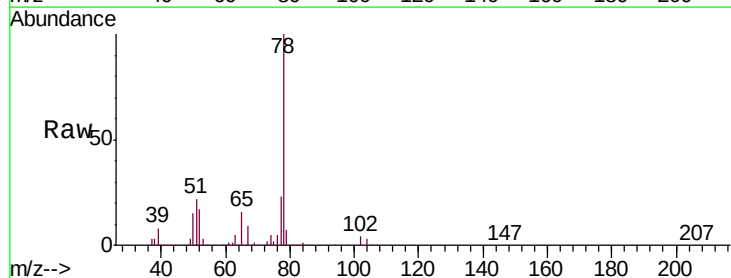
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

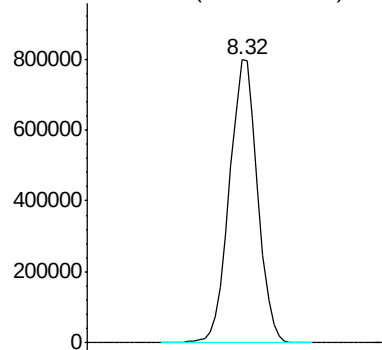
Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

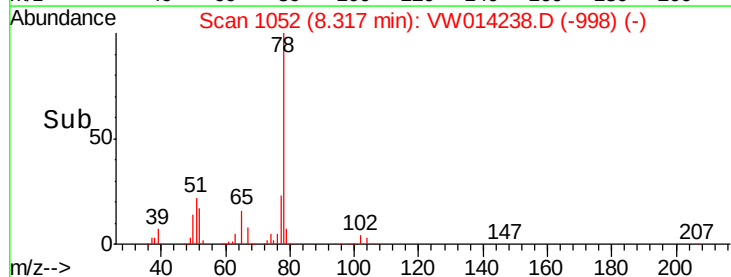
Tgt Ion: 78 Resp: 1783171

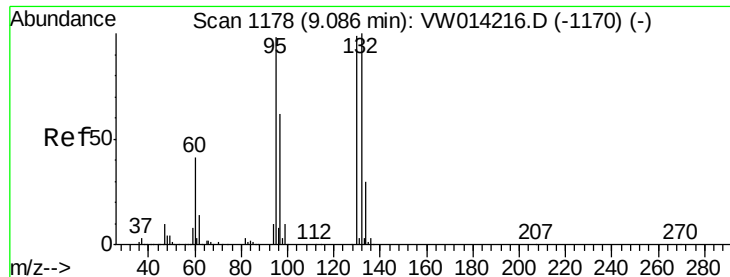


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 23.147 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tgt Ion: 95 Resp: 440181

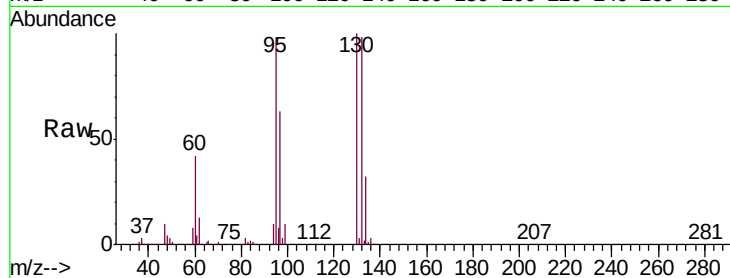
Ion Ratio Lower Upper

95 100

97 63.9 45.1 83.9

132 99.4 73.7 136.9

130 103.4 76.6 142.2

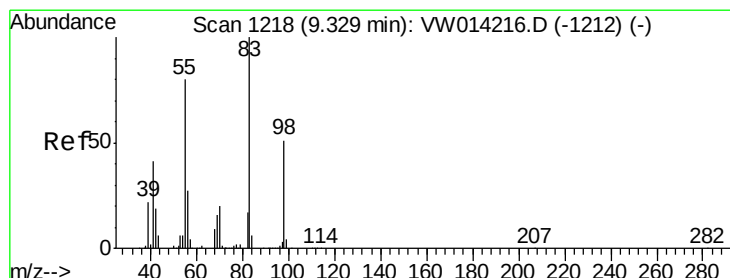
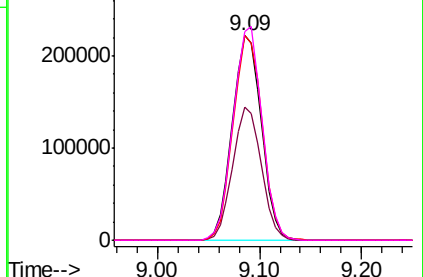
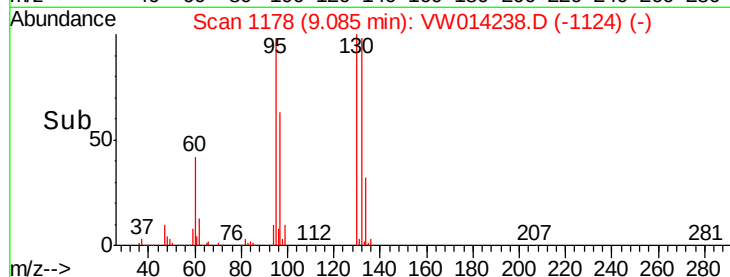


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.802 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

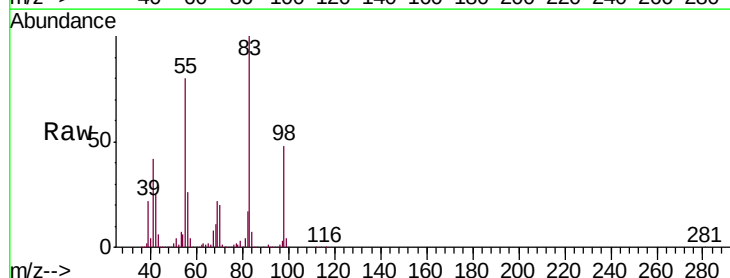
Tgt Ion: 83 Resp: 728655

Ion Ratio Lower Upper

83 100

55 79.4 59.8 89.8

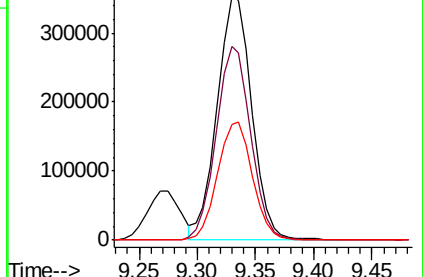
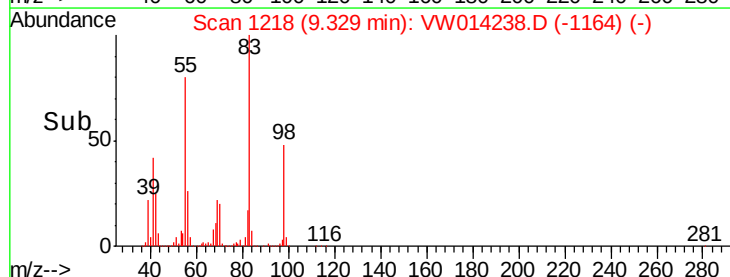
98 48.8 39.5 59.3

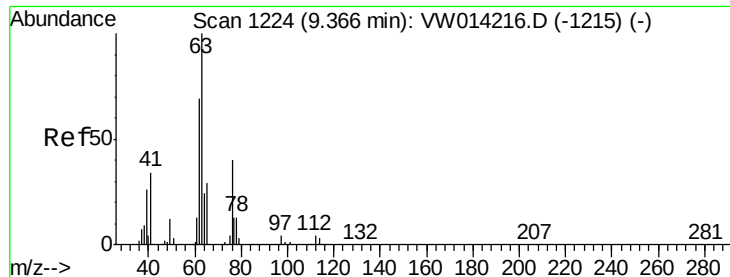


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

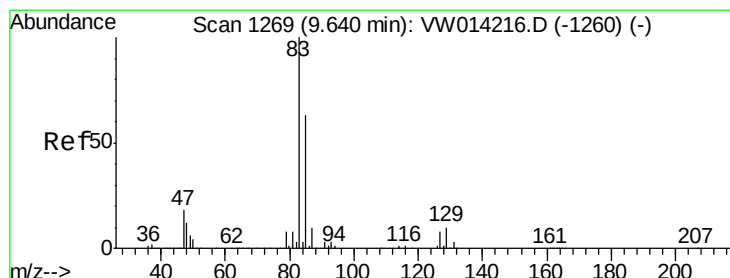
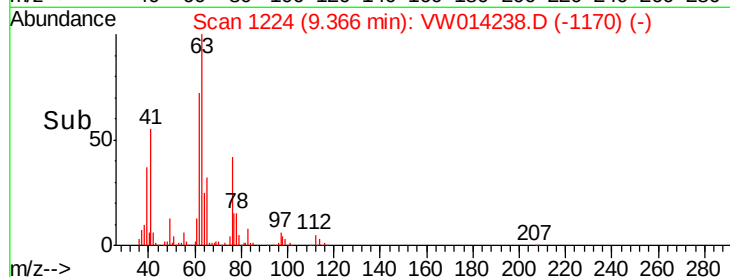
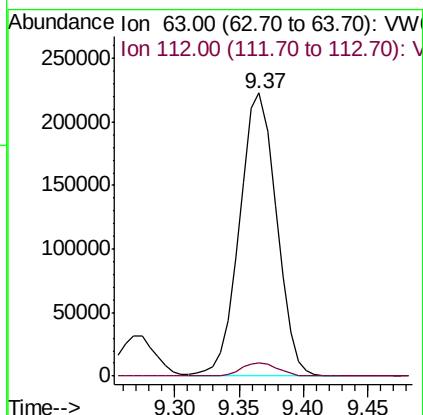
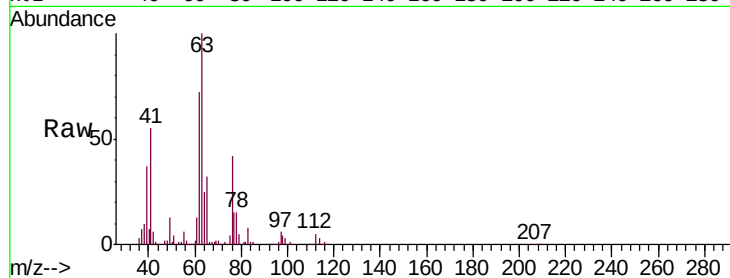




#40
 1,2-Dichloropropane
 Concen: 23.173 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

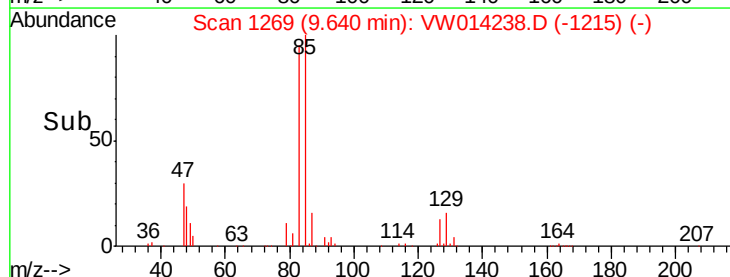
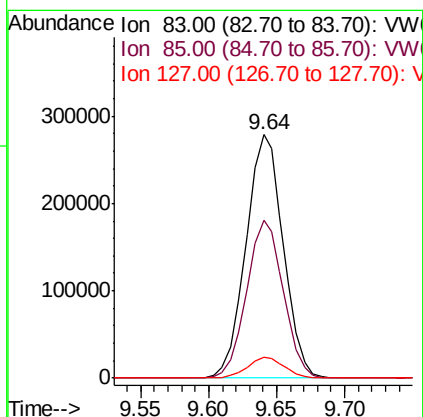
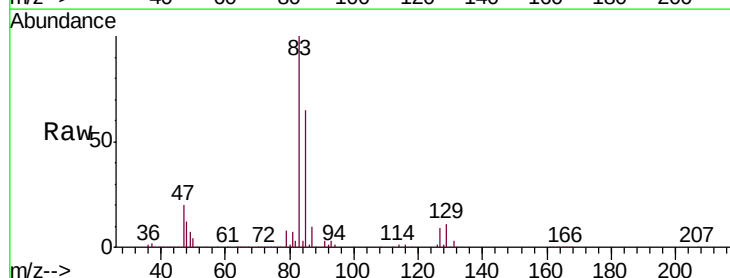
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

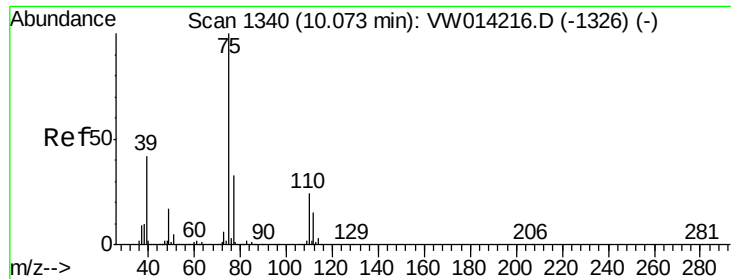
Tgt Ion: 63 Resp: 442470
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#41
 Bromodichloromethane
 Concen: 22.985 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

Tgt Ion: 83 Resp: 533369
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.1 83.7
 127 8.5 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 23.462 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

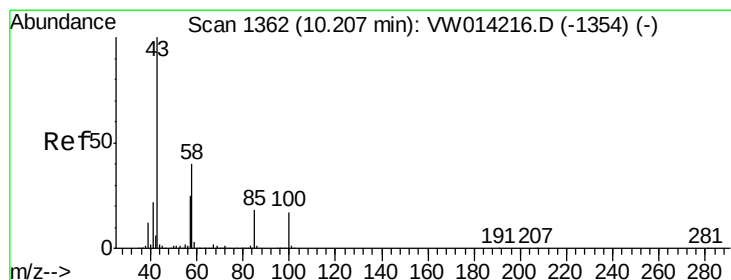
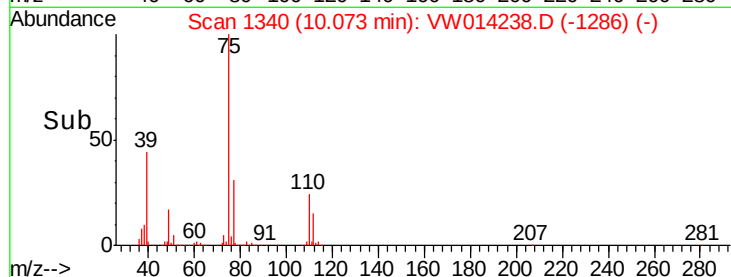
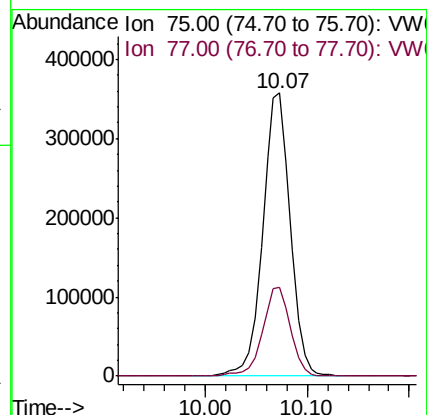
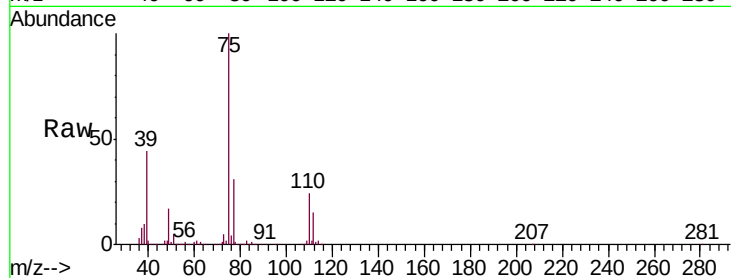
VSTD02530

Tgt Ion: 75 Resp: 670888

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 46.413 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

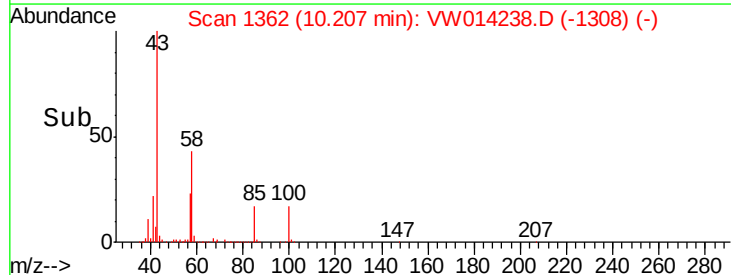
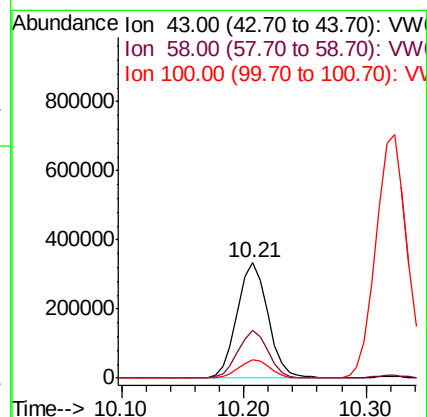
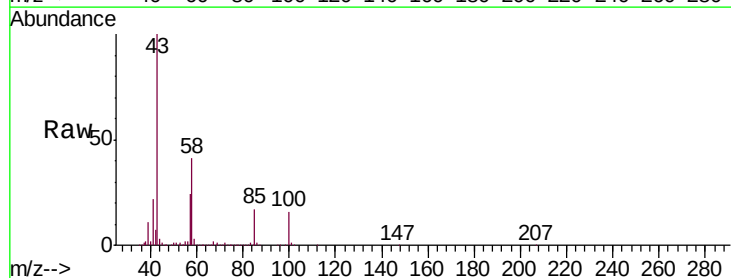
Tgt Ion: 43 Resp: 584394

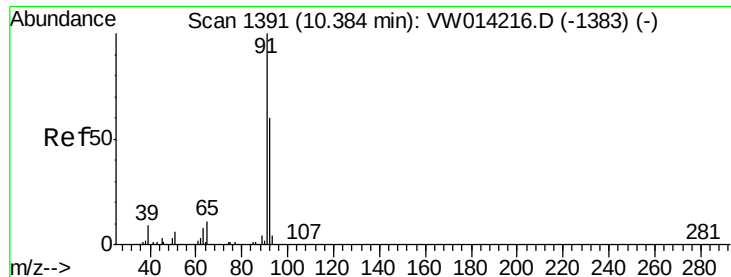
Ion Ratio Lower Upper

43 100

58 40.5 32.6 49.0

100 15.9 13.8 20.8





#44

Toluene

Concen: 24.068 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

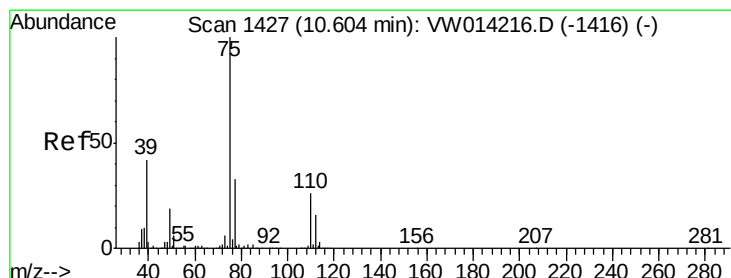
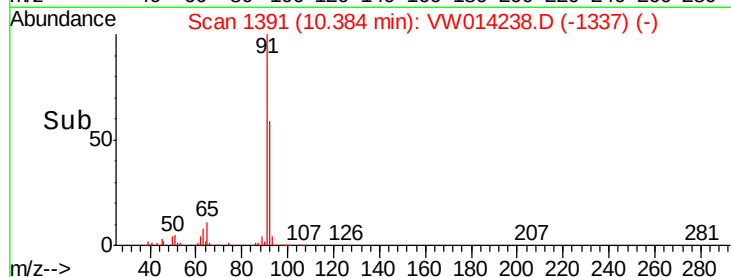
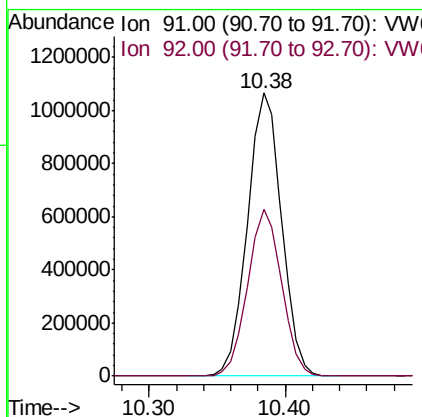
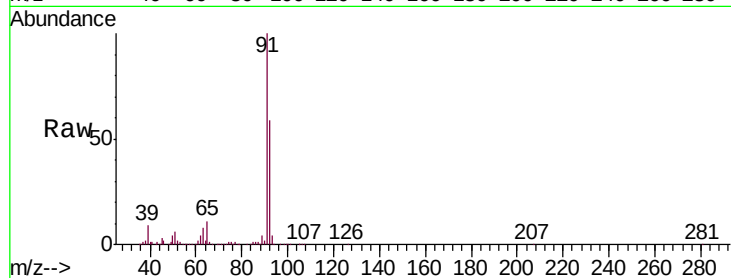
VSTD02530

Tgt Ion: 91 Resp: 1875391

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 22.846 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014238.D

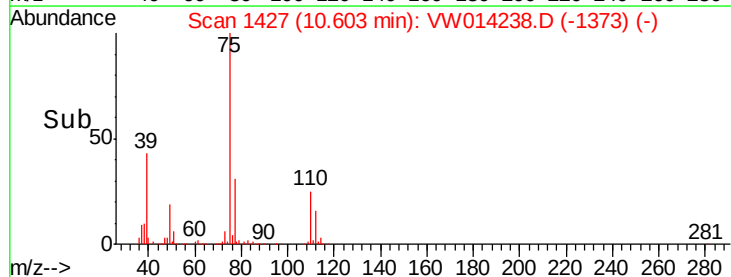
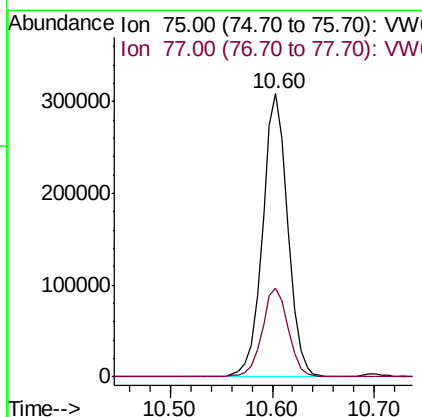
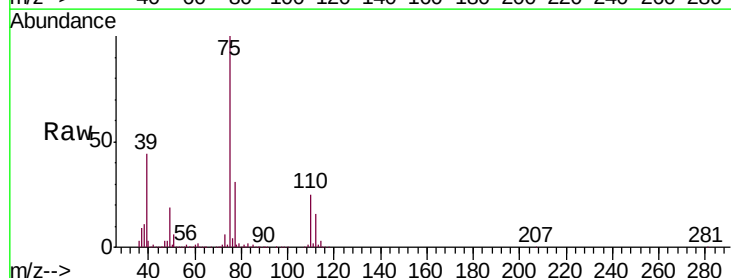
Acq: 06 Dec 2019 02:44

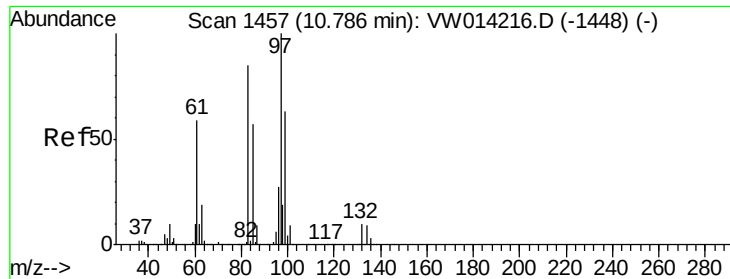
Tgt Ion: 75 Resp: 528803

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6

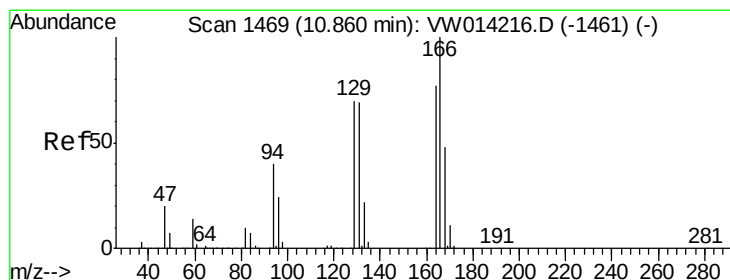
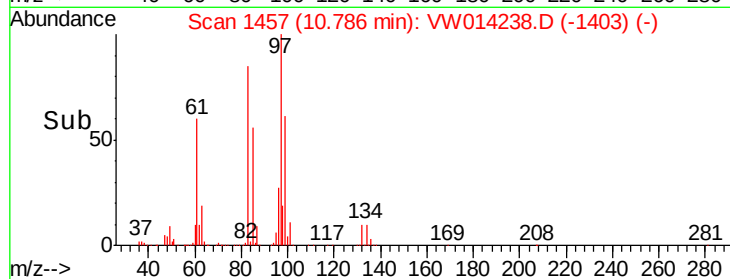
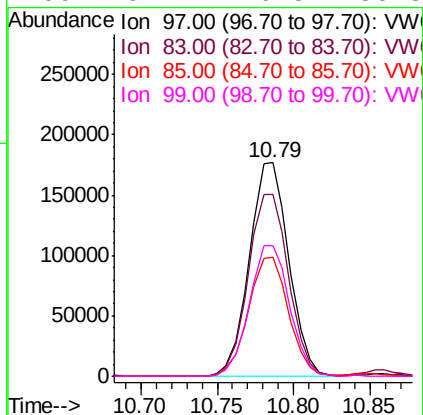
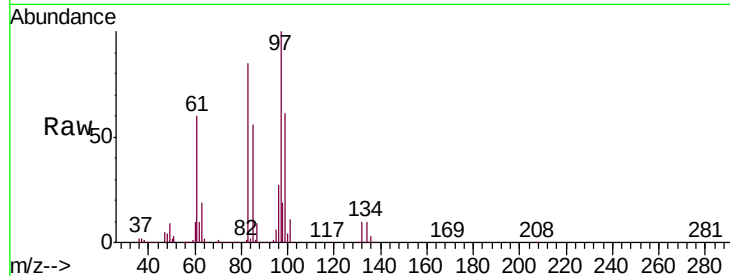




#46
 1,1,2-Trichloroethane
 Concen: 22.260 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

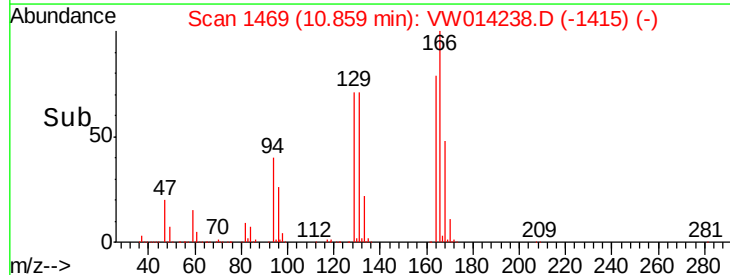
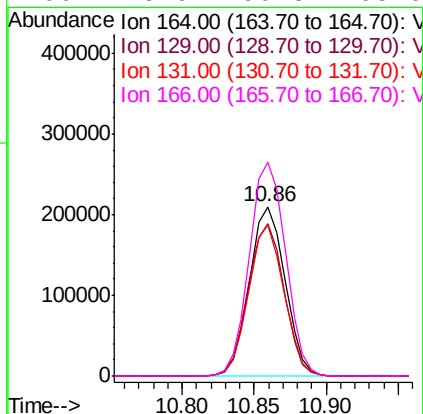
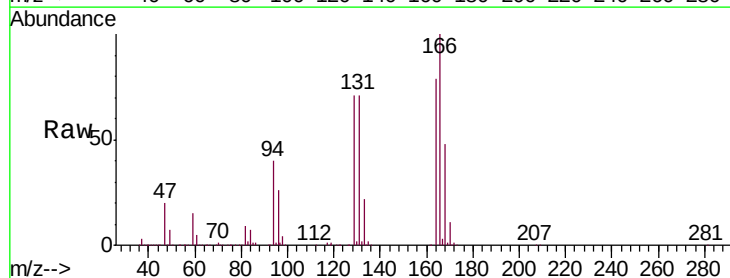
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

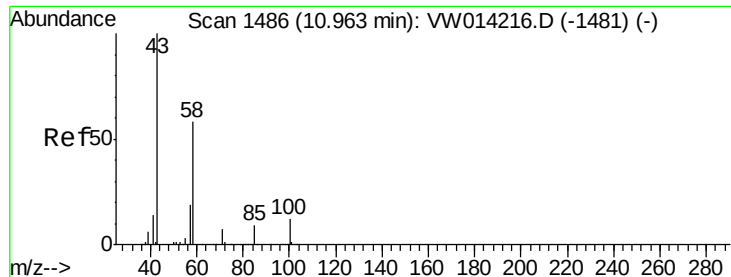
Tgt Ion:	97	Resp:	318507
Ion	Ratio	Lower	Upper
97	100		
83	85.3	58.9	109.5
85	55.7	38.1	70.9
99	61.4	46.5	86.3



#47
 Tetrachloroethene
 Concen: 22.661 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

Tgt Ion:	164	Resp:	359179
Ion	Ratio	Lower	Upper
164	100		
129	89.7	60.6	112.6
131	89.2	59.1	109.7
166	125.9	90.8	168.6

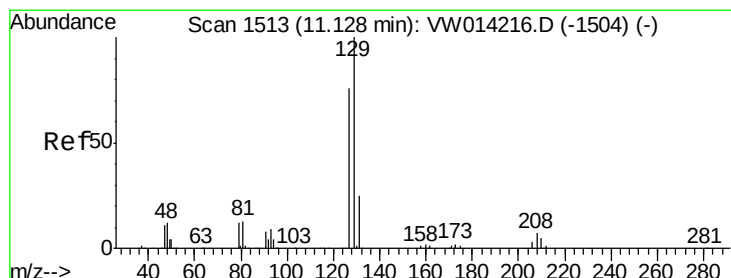
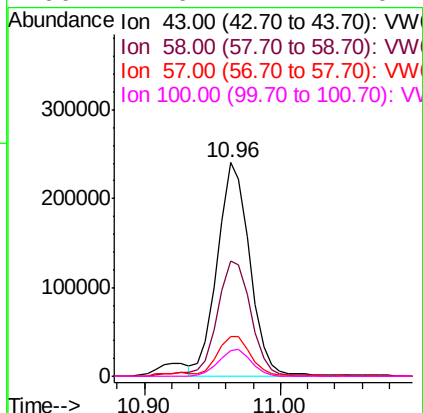
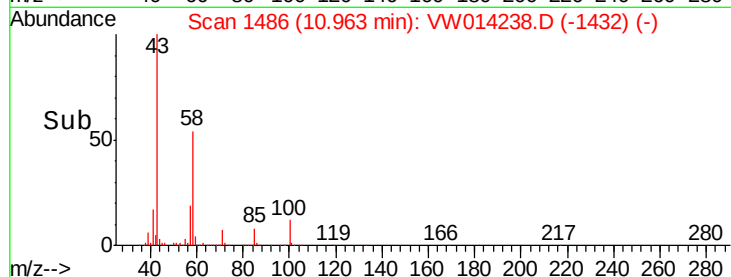
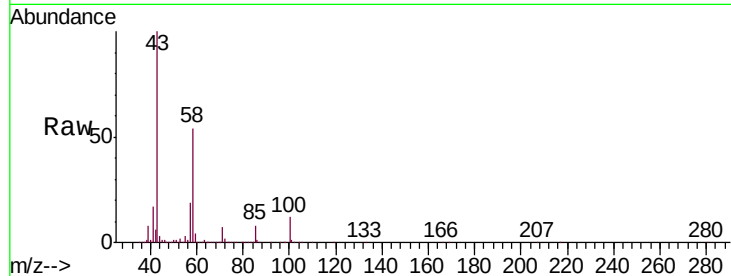




#49
2-Hexanone
Concen: 44.456 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

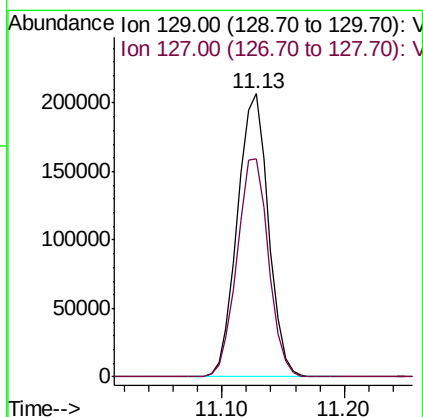
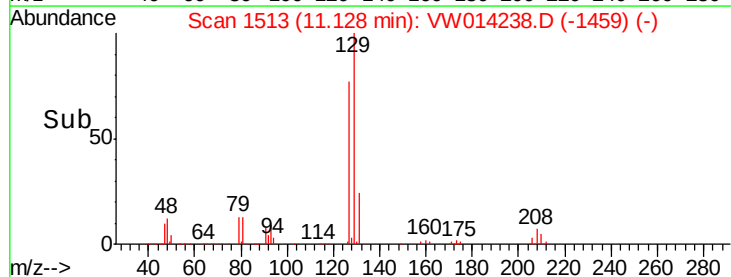
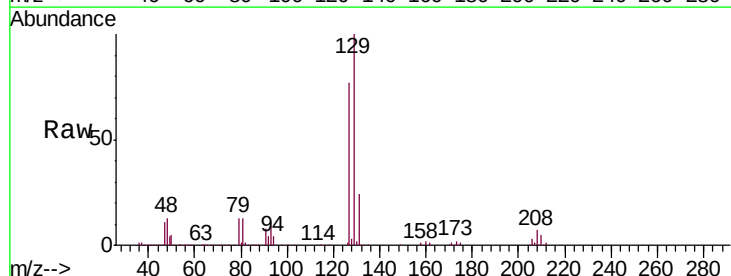
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

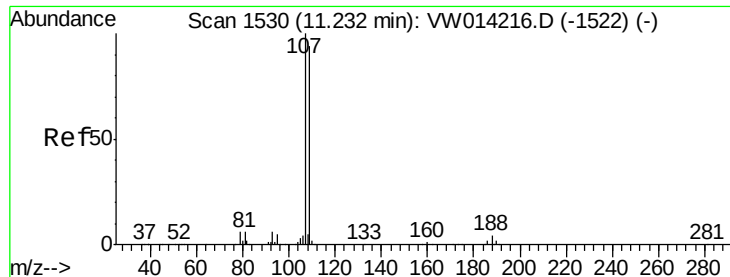
Tgt Ion: 43 Resp: 398508
Ion Ratio Lower Upper
43 100
58 57.2 44.4 66.6
57 19.0 16.5 24.7
100 12.6 11.1 16.7



#50
Dibromochloromethane
Concen: 22.706 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

Tgt Ion: 129 Resp: 364624
Ion Ratio Lower Upper
129 100
127 77.1 54.9 102.1

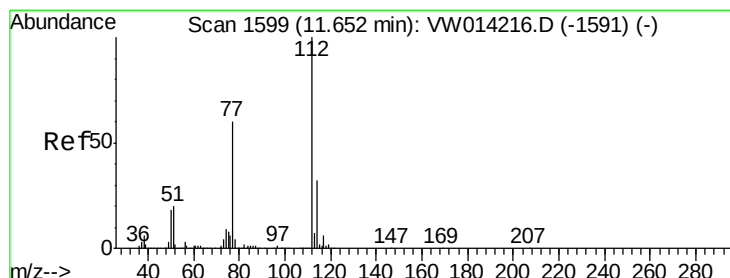
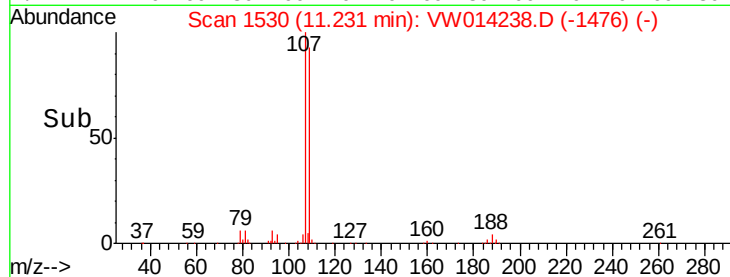
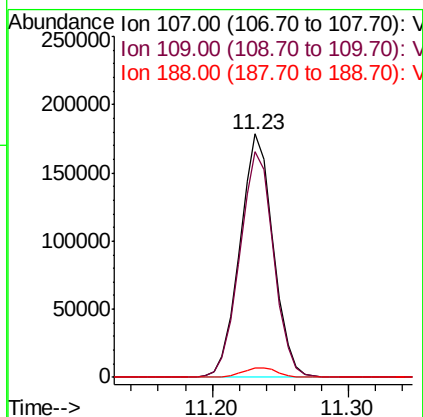
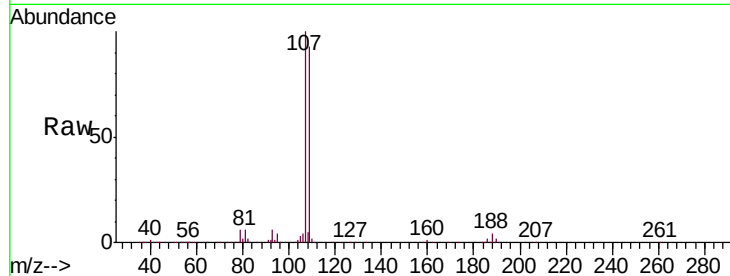




#51
1,2-Dibromoethane
Concen: 22.525 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

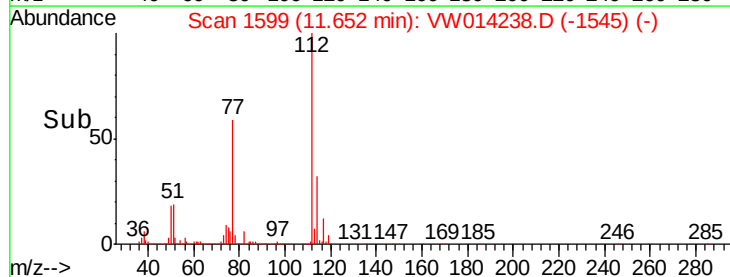
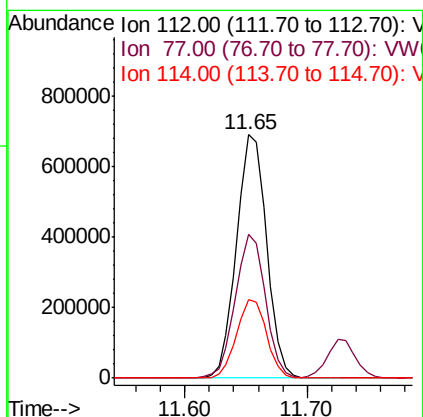
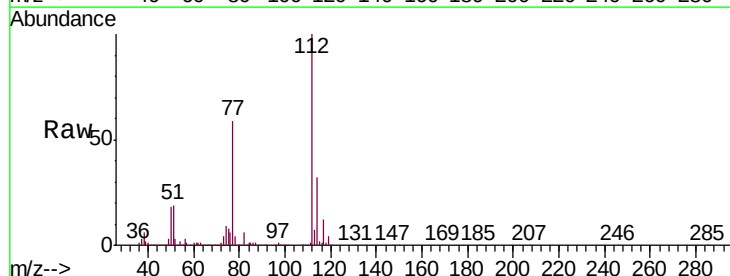
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

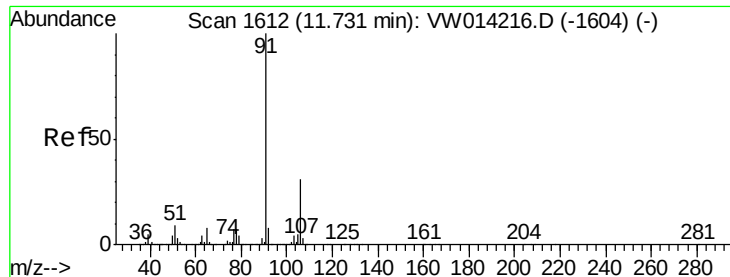
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	64.6	120.0
188	3.8	3.9	5.9#



#52
Chlorobenzene
Concen: 23.335 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014238.D
Acq: 06 Dec 2019 02:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.0	42.2	63.4
114	32.0	22.5	41.9





#53

Ethylbenzene

Concen: 24.081 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

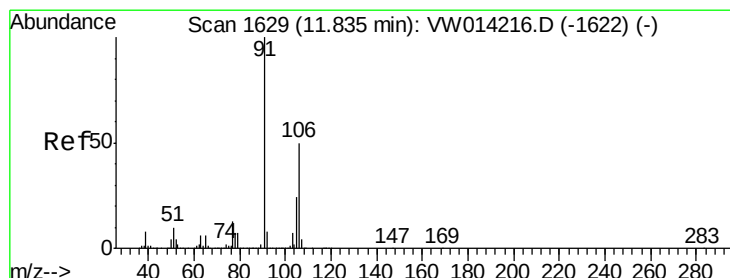
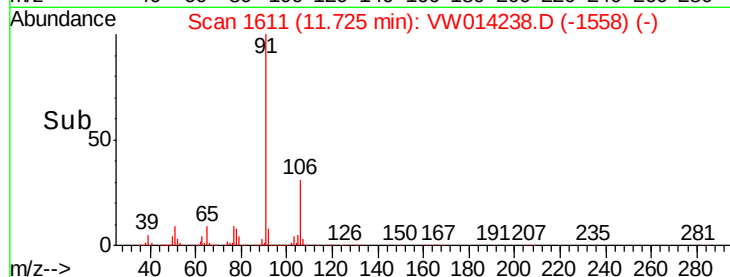
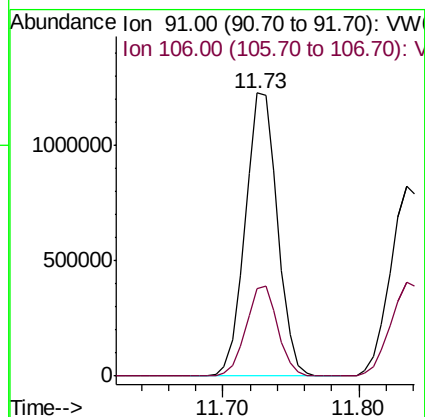
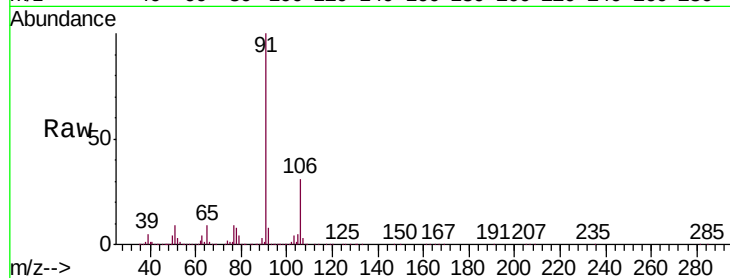
VSTD02530

Tgt Ion: 91 Resp: 2036067

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



#54

m,p-Xylene

Concen: 23.898 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014238.D

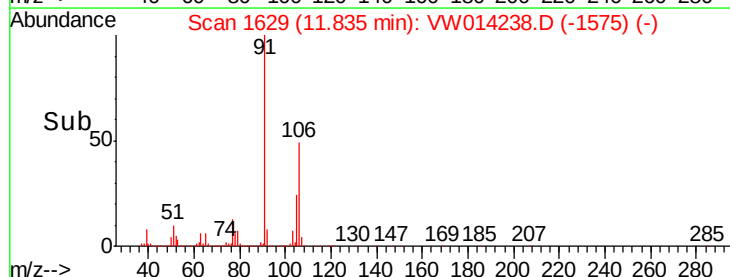
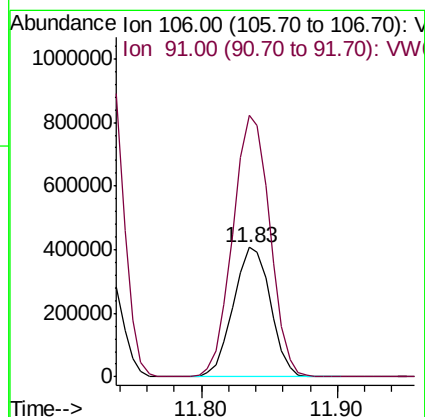
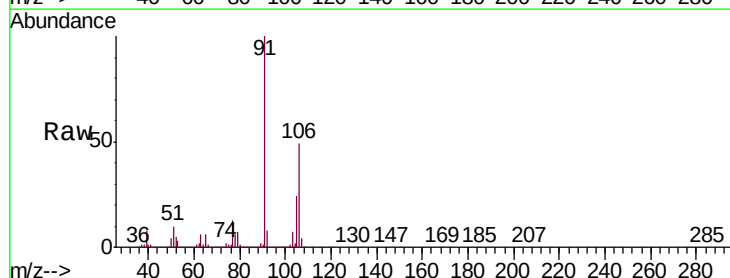
Acq: 06 Dec 2019 02:44

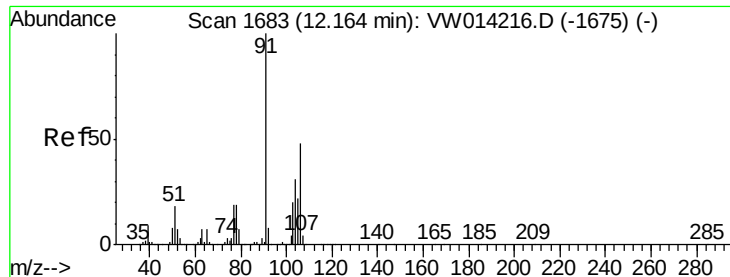
Tgt Ion: 106 Resp: 777268

Ion Ratio Lower Upper

106 100

91 202.4 138.7 257.5





#55

o-xylene

Concen: 24.382 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

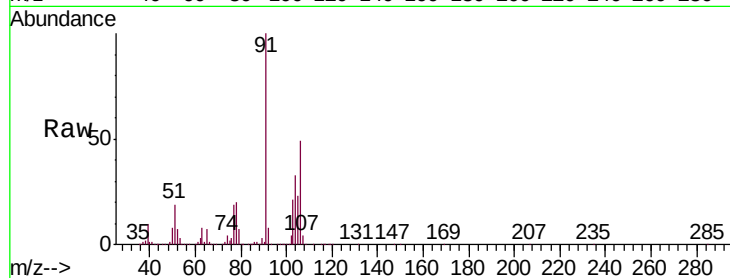
VSTD02530

Tgt Ion:106 Resp: 752165

Ion Ratio Lower Upper

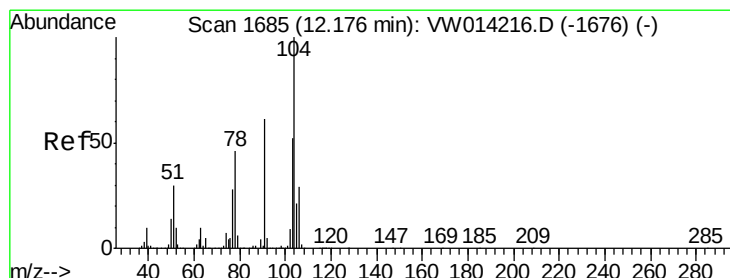
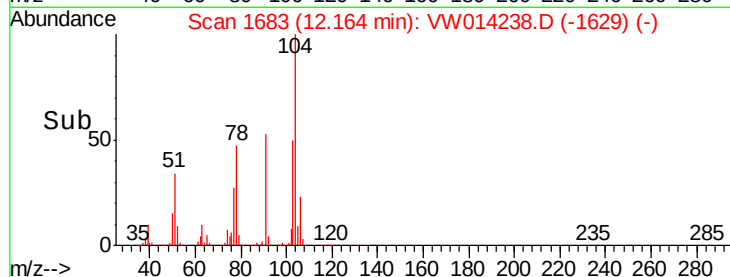
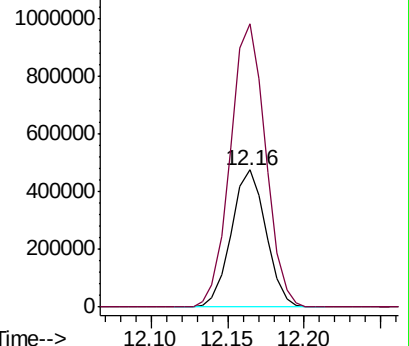
106 100

91 206.2 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.325 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014238.D

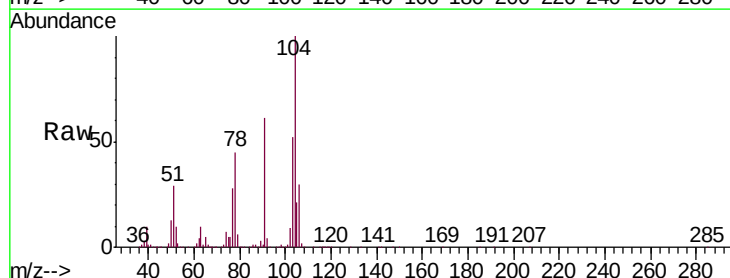
Acq: 06 Dec 2019 02:44

Tgt Ion:104 Resp: 1283751

Ion Ratio Lower Upper

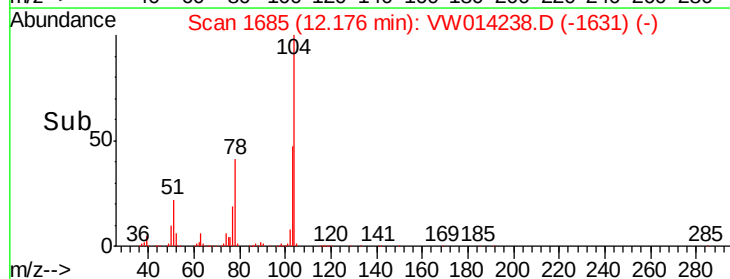
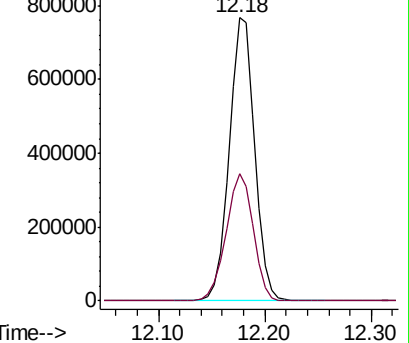
104 100

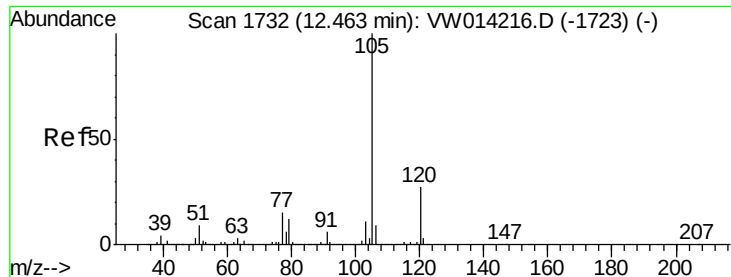
78 44.9 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.118 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

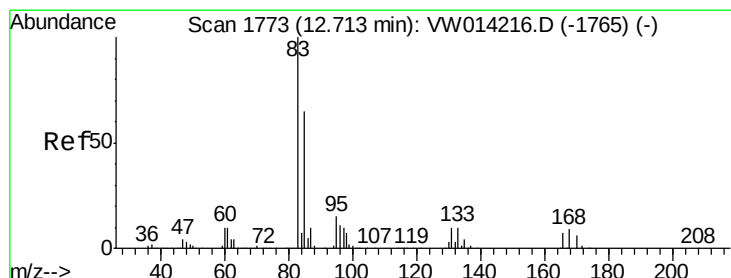
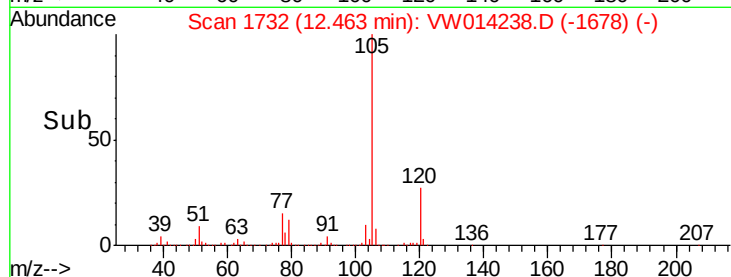
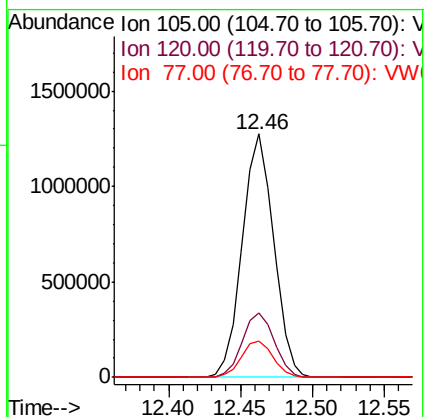
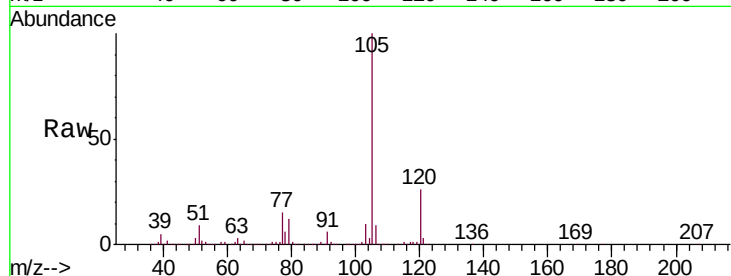
Tgt Ion: 105 Resp: 1931558

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

77 15.1 11.6 17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 22.332 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

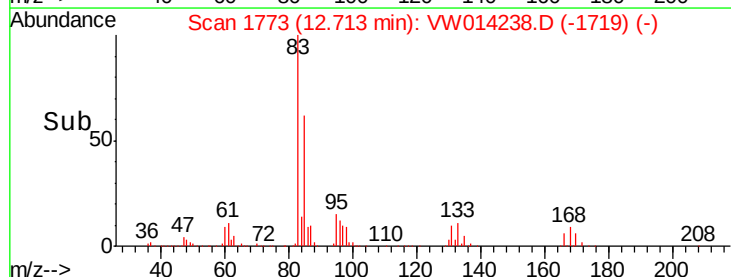
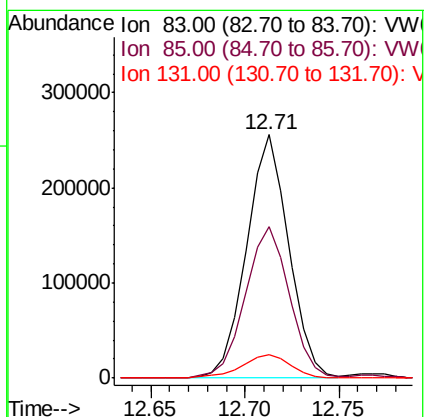
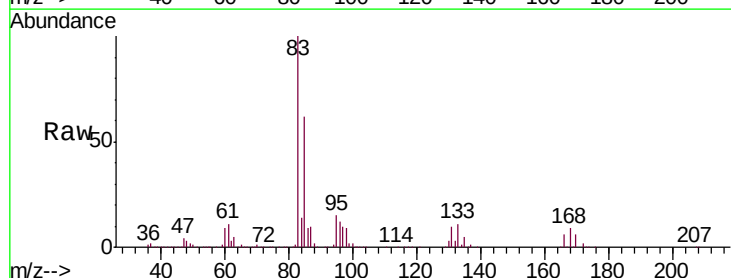
Tgt Ion: 83 Resp: 396592

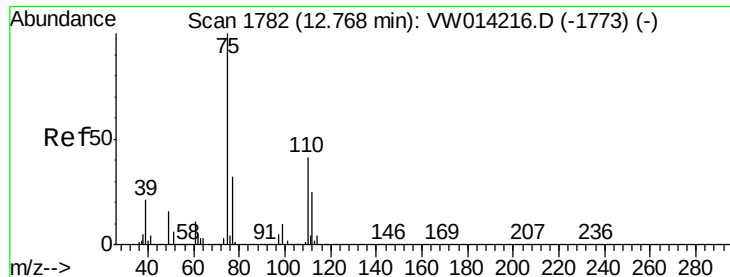
Ion Ratio Lower Upper

83 100

85 62.1 43.7 81.1

131 9.6 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 21.996 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

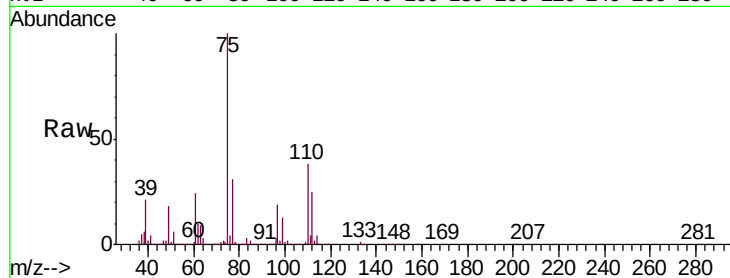
VSTD02530

Tgt Ion: 75 Resp: 290260

Ion Ratio Lower Upper

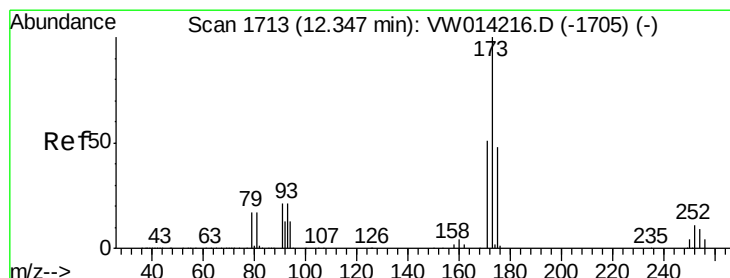
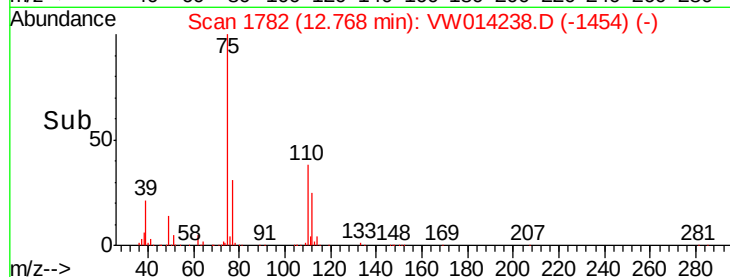
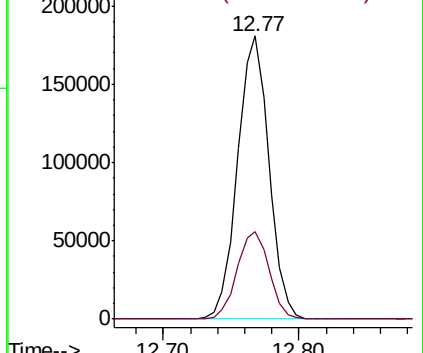
75 100

77 31.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 21.405 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

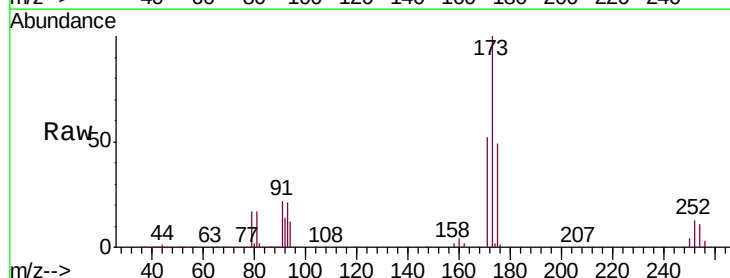
Tgt Ion: 173 Resp: 210233

Ion Ratio Lower Upper

173 100

175 49.7 38.8 58.2

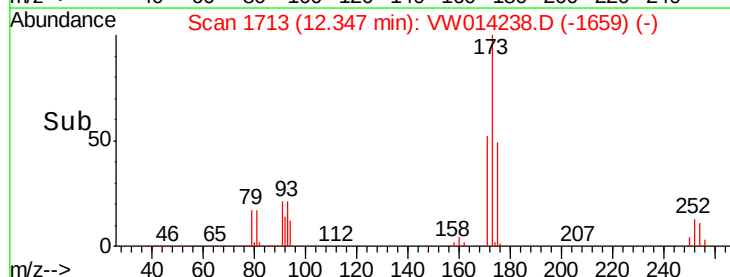
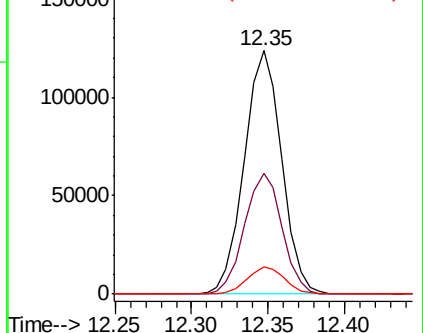
254 11.3 9.4 14.0

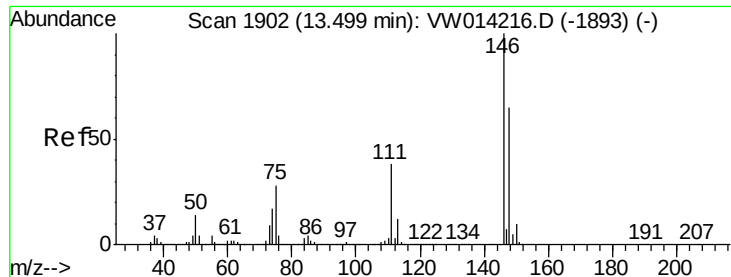


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

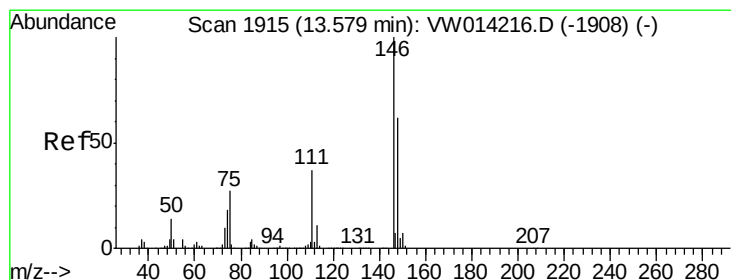
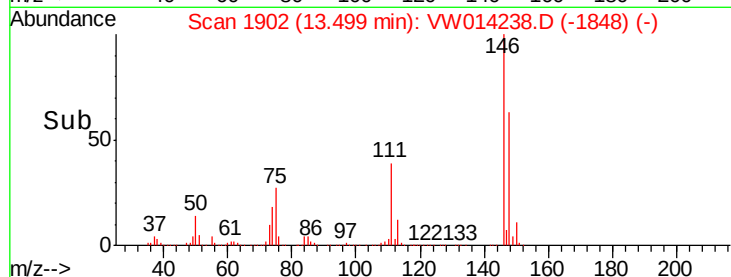
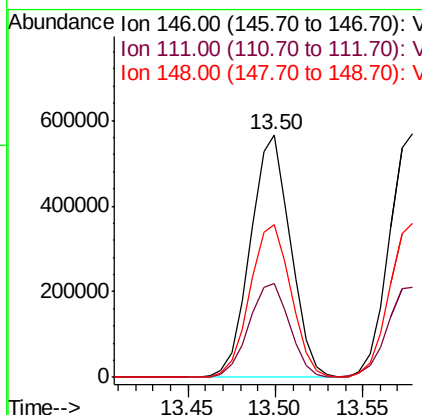
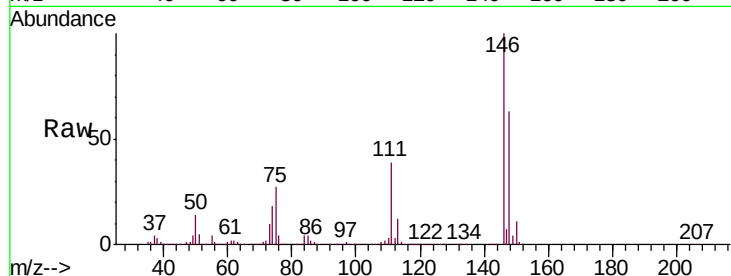




#63
 1,3-Dichlorobenzene
 Concen: 23.158 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

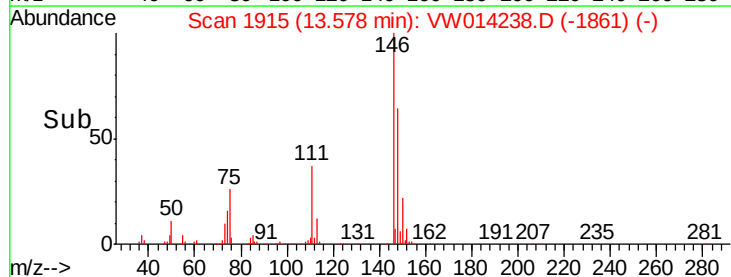
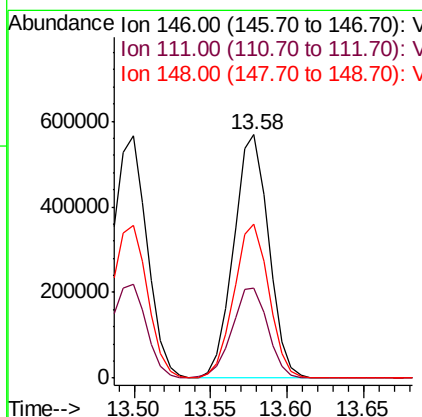
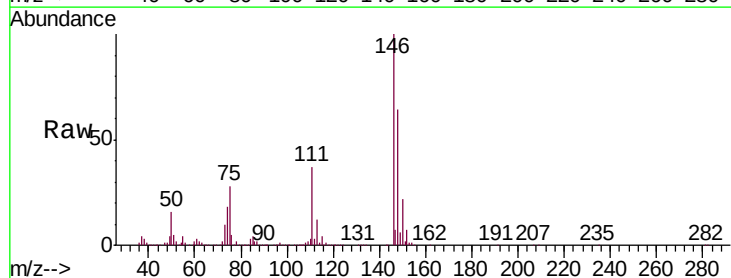
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

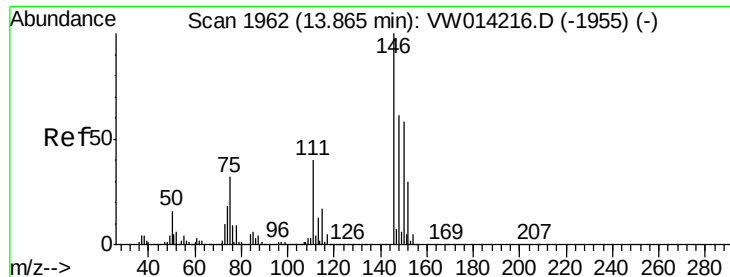
Tgt Ion:146 Resp: 900762
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.0 48.2
 148 62.6 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 22.838 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

Tgt Ion:146 Resp: 902520
 Ion Ratio Lower Upper
 146 100
 111 36.7 24.9 46.3
 148 63.5 43.9 81.5

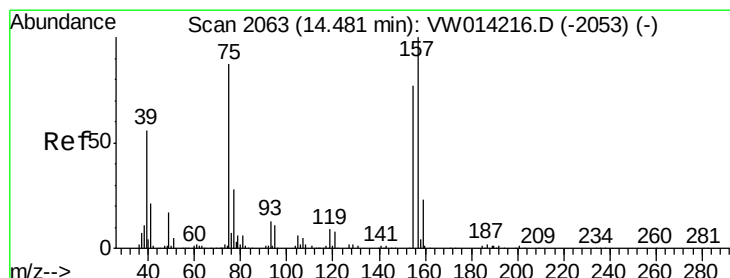
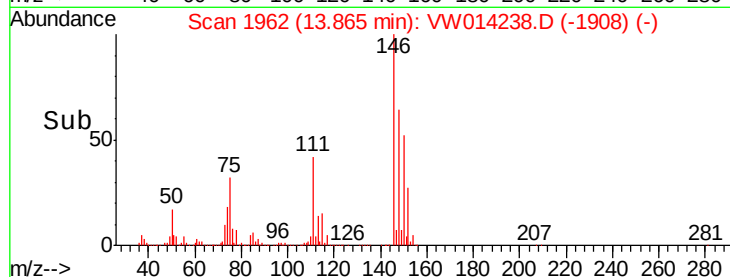
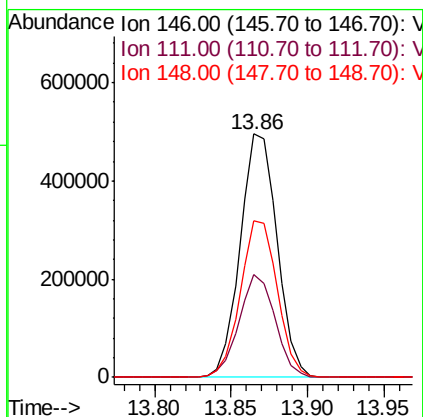
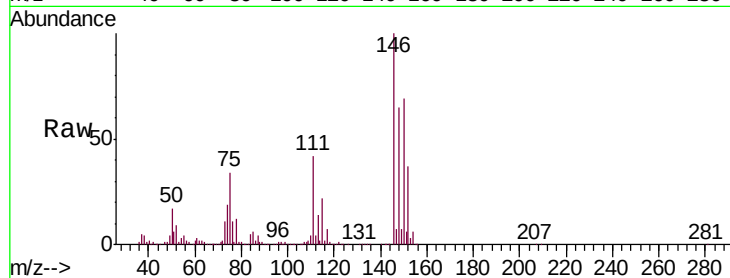




#65
 1,2-Dichlorobenzene
 Concen: 22.995 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

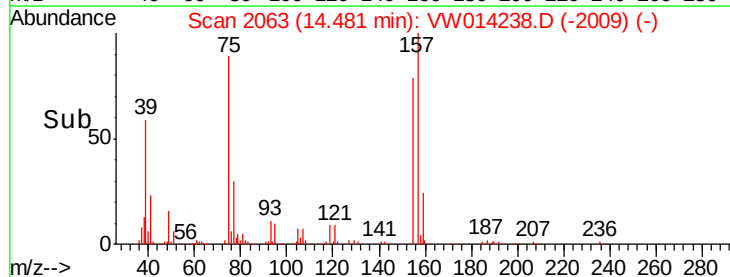
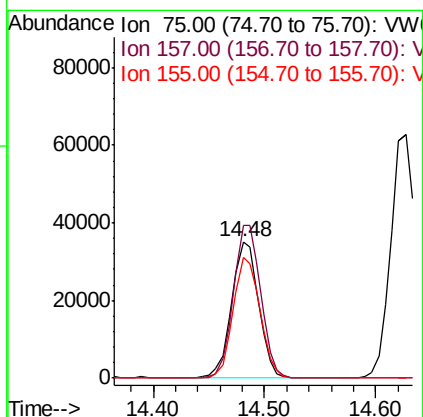
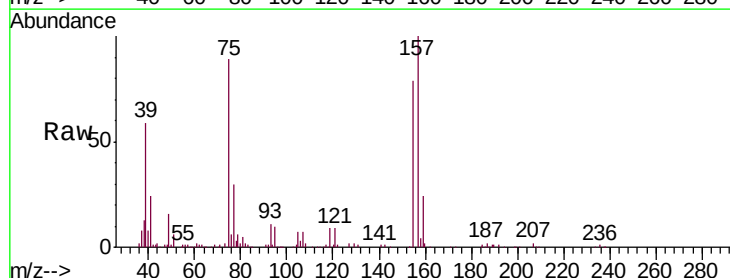
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

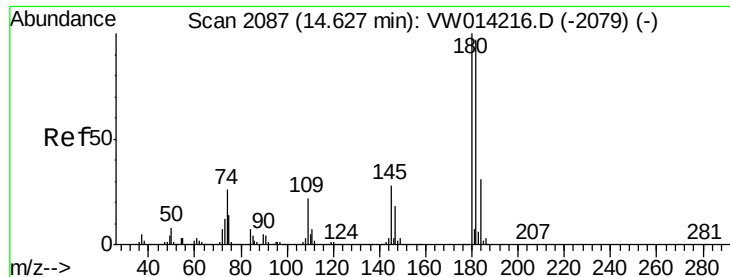
Tgt Ion:146 Resp: 831768
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.5 45.7
 148 64.5 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.194 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

Tgt Ion: 75 Resp: 59137
 Ion Ratio Lower Upper
 75 100
 157 111.8 96.9 145.3
 155 88.6 82.9 124.3

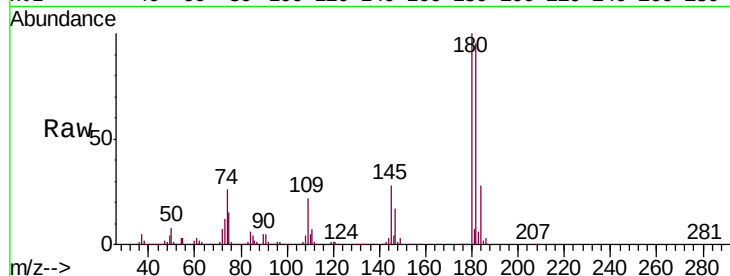




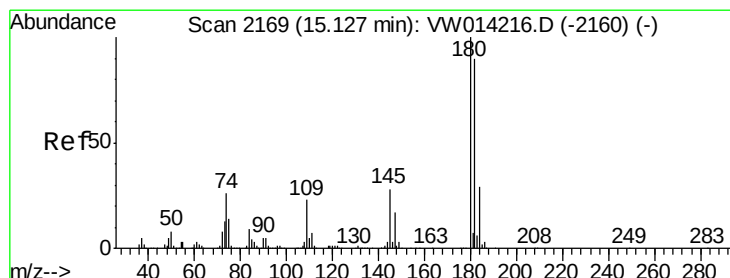
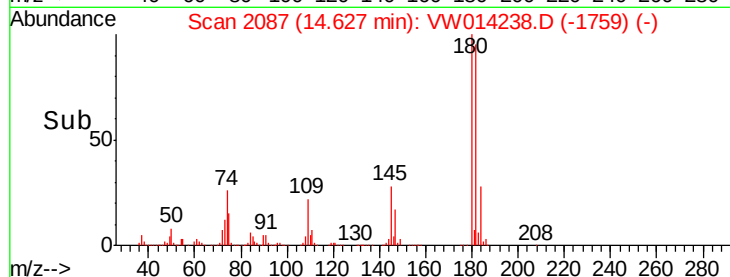
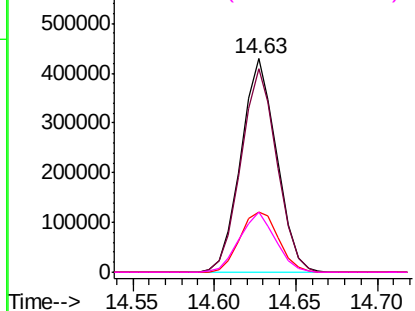
#67
 1,3,5-Trichlorobenzene
 Concen: 23.348 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tgt Ion:	180	Resp:	653389
Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.2
184	30.7	24.3	36.5
145	28.1	21.9	32.9

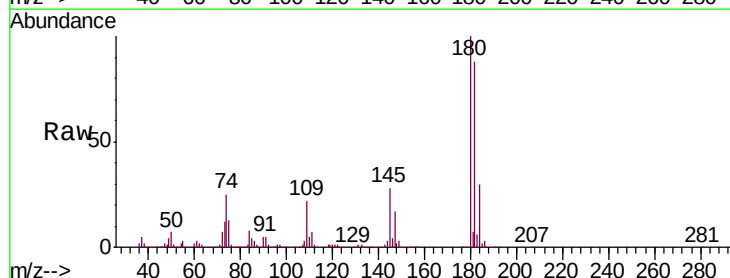


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

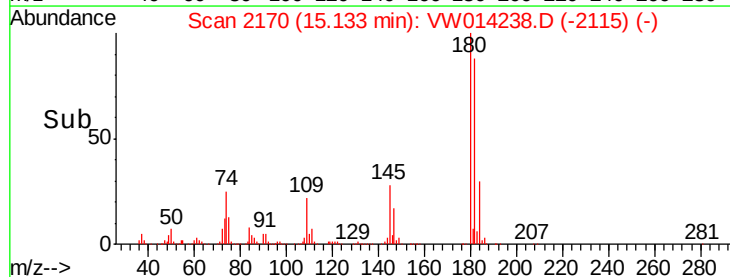
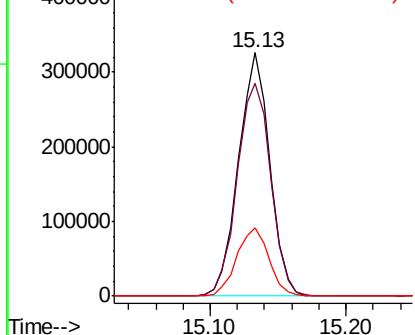


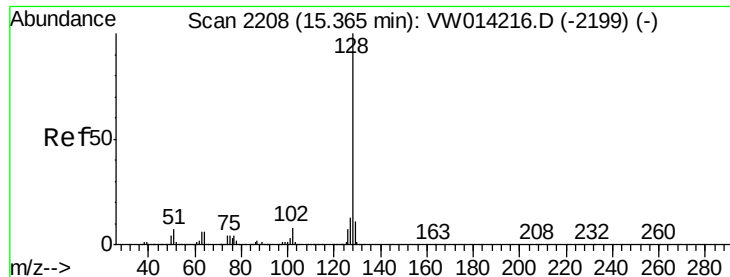
#68
 1,2,4-trichlorobenzene
 Concen: 24.026 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.01 min
 Lab File: VW014238.D
 Acq: 06 Dec 2019 02:44

Tgt Ion:	180	Resp:	524152
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.8	113.8
145	28.9	22.4	33.6



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: 24.058 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

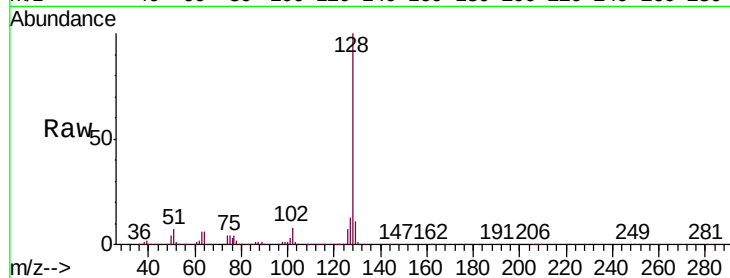
Tgt Ion:128 Resp: 987021

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

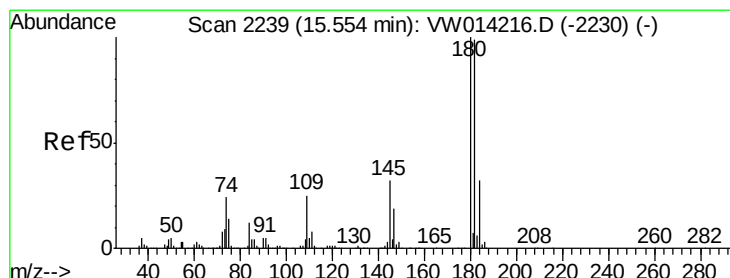
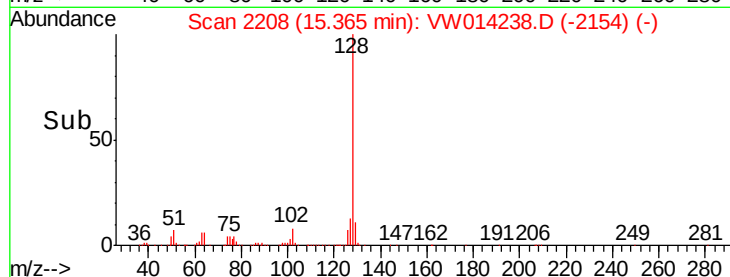
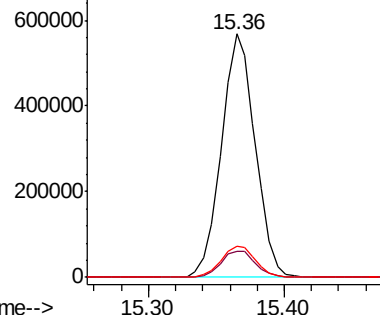
127 13.0 10.4 15.6



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: 23.922 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014238.D

Acq: 06 Dec 2019 02:44

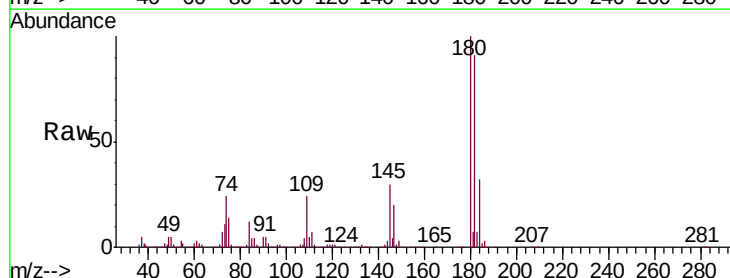
Tgt Ion:180 Resp: 489407

Ion Ratio Lower Upper

180 100

182 93.4 75.8 113.6

145 30.2 24.0 36.0



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

