

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\
 Data File : VW014193.D
 Acq On : 02 Dec 2019 09:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 15:57:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 15:13:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	324567	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	304990	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185424	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	98748	19.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.28%
7) Chloroethane-d5	2.89	69	92983	22.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.60%
10) 1,1-Dichloroethene-d2	4.02	63	240857	22.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.64%
20) 2-Butanone-d5	7.07	46	69994	46.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.06%
24) Chloroform-d	7.64	84	250289	25.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.32%
26) 1,2-Dichloroethane-d4	8.31	65	124831	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.52%
29) Benzene-d6	8.27	84	502074	23.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.80%
33) 1,2-Dichloropropane-d6	9.27	67	153158	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.64%
37) Toluene-d8	10.32	98	461021	22.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.88%
38) trans-1,3-Dichloropropene-	10.57	79	62651	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.32%
39) 2-Hexanone-d5	10.92	63	56444	46.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119658	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	168007	22.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	86251	22.345	ug/L	98
3) Chloromethane	2.21	50	80353	23.436	ug/L	98
5) Vinyl chloride	2.36	62	144812	27.051	ug/L	94
6) Bromomethane	2.78	94	88264	26.630	ug/L	98
8) Chloroethane	2.92	64	88161	27.686	ug/L	98
9) Trichlorofluoromethane	3.26	101	105413	28.877	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	152082	28.215	ug/L	100
12) 1,1-Dichloroethene	4.04	96	146975	26.825	ug/L	95
13) Acetone	4.12	43	74982	48.981	ug/L	96
14) Carbon disulfide	4.38	76	396281	25.412	ug/L	100
15) Methyl Acetate	4.67	43	61781	24.943	ug/L	99
16) Methylene chloride	4.91	84	146399	23.430	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	182236	25.781	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	154518	27.044	ug/L	98
19) 1,1-Dichloroethane	6.21	63	273934	28.464	ug/L	99
21) 2-Butanone	7.17	43	91094	46.318	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	165449	27.517	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120219\
 Data File : VW014193.D
 Acq On : 02 Dec 2019 09:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 02 15:57:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 02 15:13:17 2019
 Response via : Initial Calibration

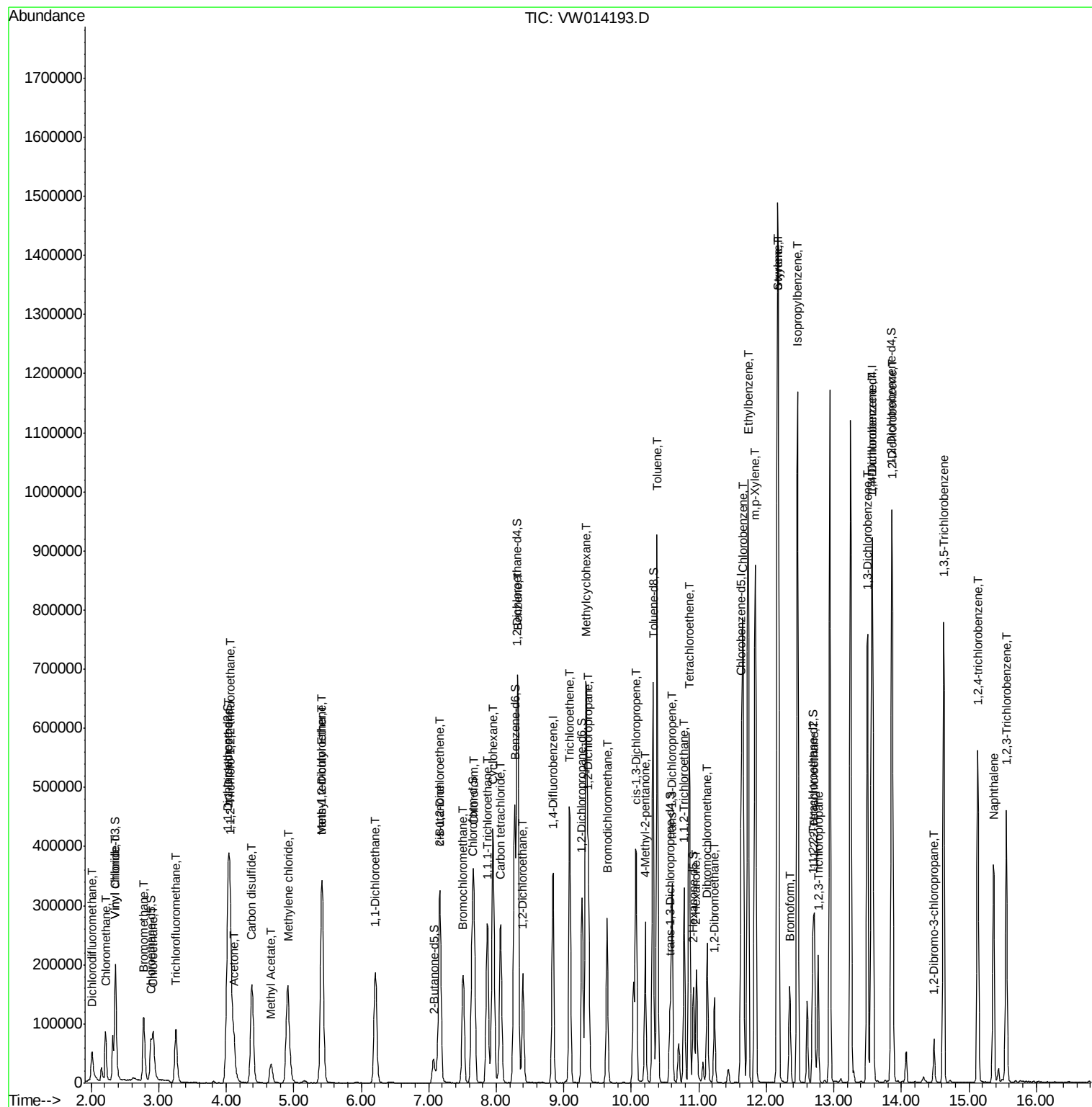
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	71551	27.110	ug/L	92
25) Chloroform	7.67	83	270547	28.626	ug/L	99
27) 1,2-Dichloroethane	8.40	62	165205	28.872	ug/L	99
30) Cyclohexane	7.95	56	256122	26.241	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	220297	28.822	ug/L	99
32) Carbon tetrachloride	8.07	117	209227	28.516	ug/L	100
34) Benzene	8.32	78	627185	28.036	ug/L	100
35) Trichloroethene	9.09	95	163059	27.324	ug/L	99
36) Methylcyclohexane	9.33	83	285766	26.708	ug/L	99
40) 1,2-Dichloropropane	9.37	63	153511	28.506	ug/L	99
41) Bromodichloromethane	9.64	83	192139	29.512	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	237331	27.926	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	173546	48.808	ug/L	98
44) Toluene	10.38	91	673836	27.627	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	185297	27.572	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	110314	27.879	ug/L	99
47) Tetrachloroethene	10.86	164	147642	27.757	ug/L	99
49) 2-Hexanone	10.96	43	125618	49.003	ug/L	99
50) Dibromochloromethane	11.12	129	133683	28.743	ug/L	95
51) 1,2-Dibromoethane	11.23	107	101970	26.560	ug/L	96
52) Chlorobenzene	11.65	112	422575	27.636	ug/L	96
53) Ethylbenzene	11.73	91	754710	28.198	ug/L	100
54) m,p-Xylene	11.83	106	290087	27.889	ug/L	99
55) o-xylene	12.16	106	276147	28.351	ug/L	97
56) Styrene	12.18	104	466088	28.326	ug/L	97
57) Isopropylbenzene	12.46	105	755169	28.198	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	126187	27.315	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	89841	25.858	ug/L	98
62) Bromoform	12.35	173	79581	26.189	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	342435	26.301	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	339125	26.363	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	308752	26.780	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	17944	22.854	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	265437	26.752	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	204829	26.254	ug/L	99
69) Naphthalene	15.36	128	328851	23.726	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	174766	25.382	ug/L	96

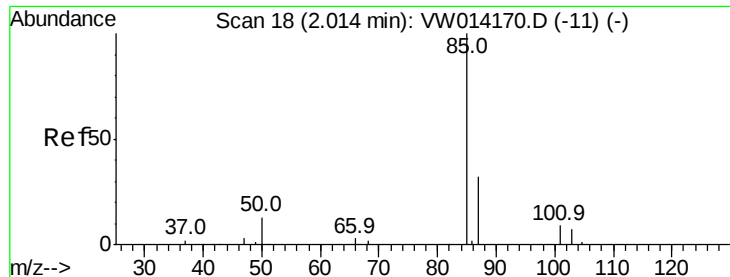
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120219\
Data File : VW014193.D
Acq On : 02 Dec 2019 09:36
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 02 15:57:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 02 15:13:17 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.345 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

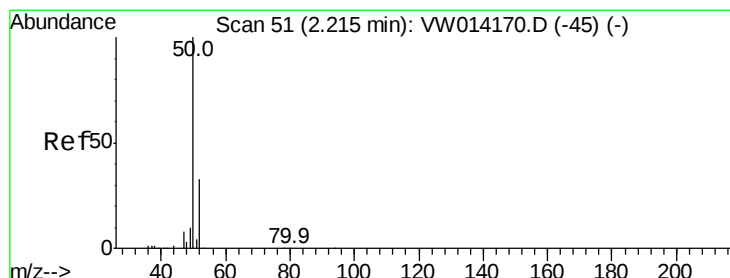
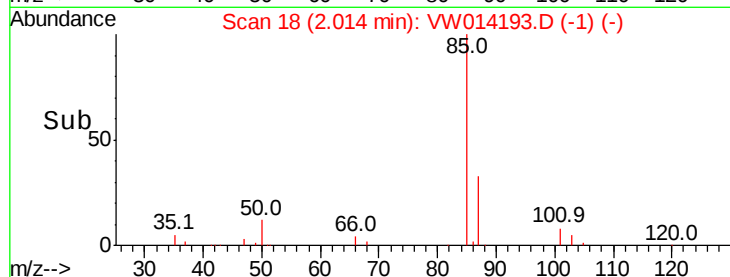
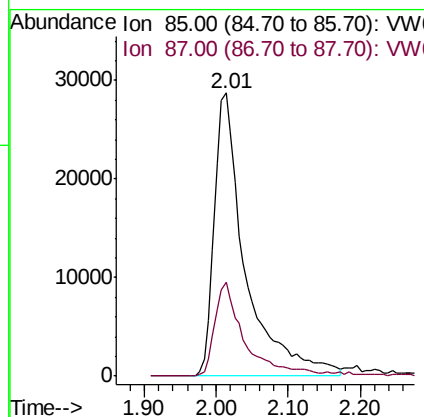
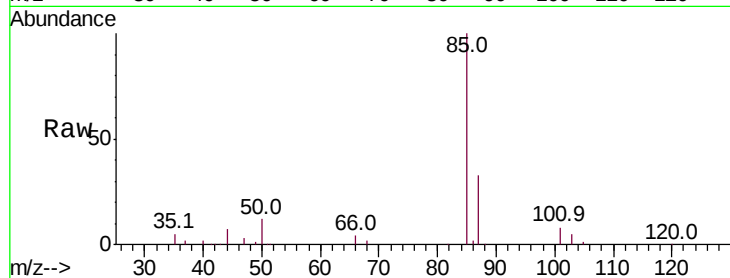
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 86251

Ion Ratio Lower Upper

85 100

87 30.4 22.1 41.1



#3

Chloromethane

Concen: 23.436 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014193.D

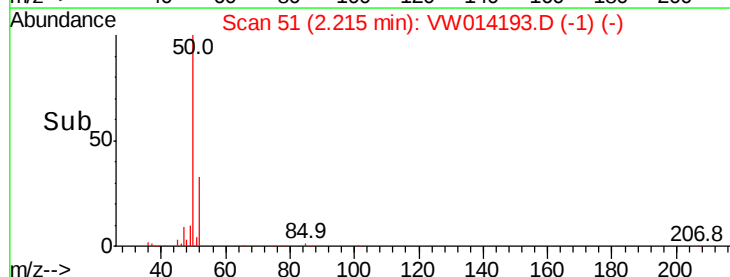
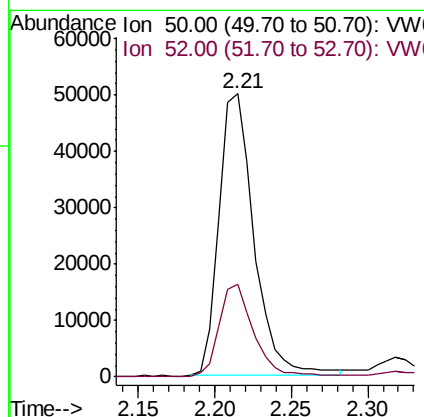
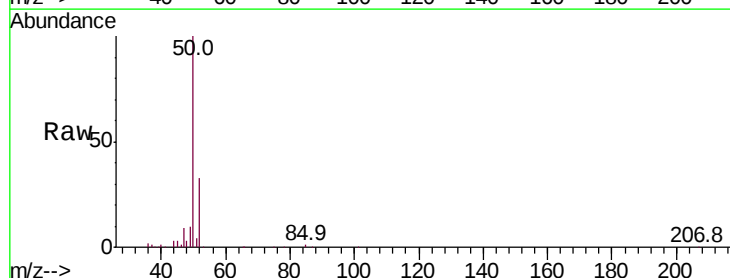
Acq: 02 Dec 2019 09:36

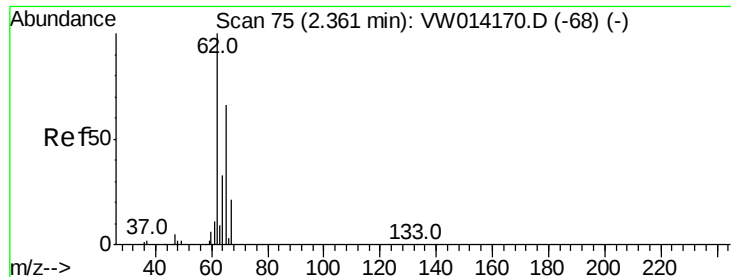
Tgt Ion: 50 Resp: 80353

Ion Ratio Lower Upper

50 100

52 32.9 23.8 44.2





#5

Vinyl chloride

Concen: 27.051 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

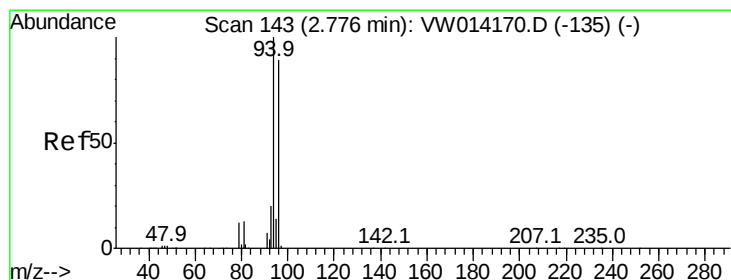
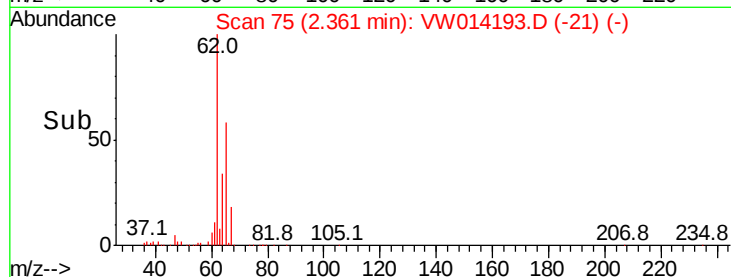
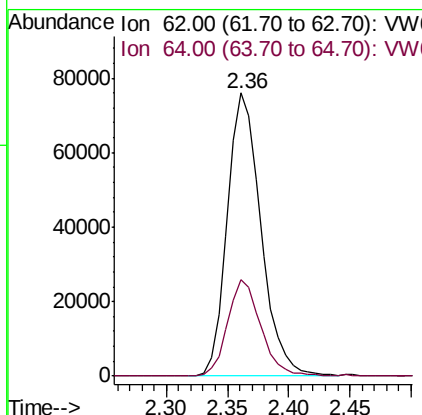
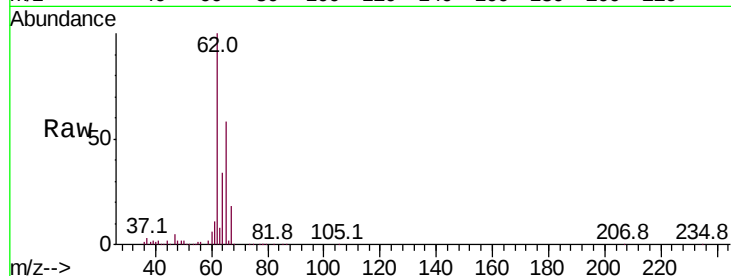
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 144812

Ion Ratio Lower Upper

62 100

64 34.3 21.8 40.4



#6

Bromomethane

Concen: 26.630 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW014193.D

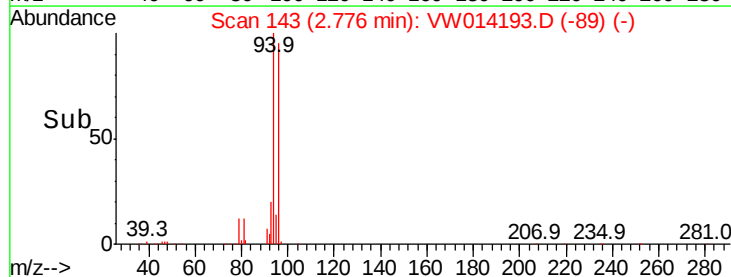
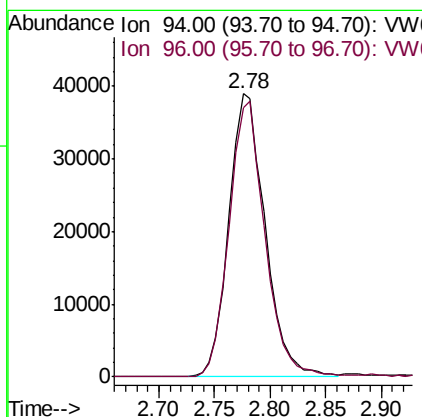
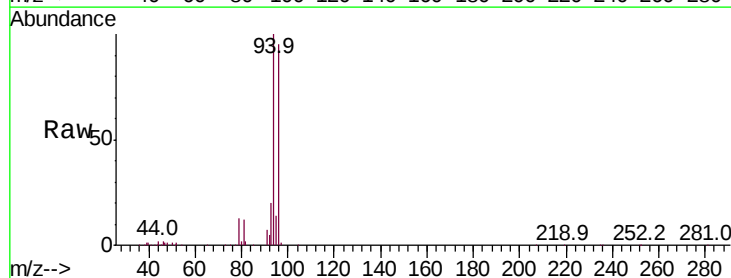
Acq: 02 Dec 2019 09:36

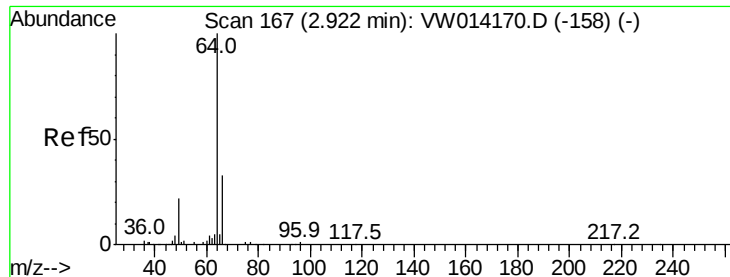
Tgt Ion: 94 Resp: 88264

Ion Ratio Lower Upper

94 100

96 96.1 9.4 178.8





#8

Chloroethane

Concen: 27.686 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

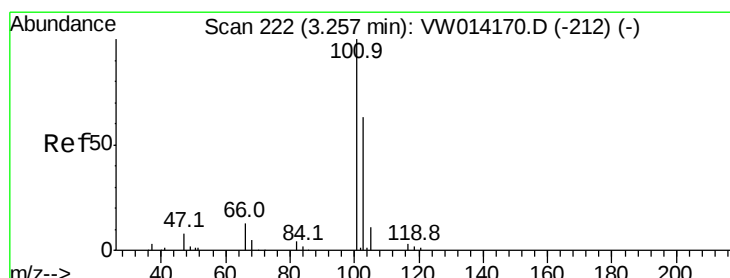
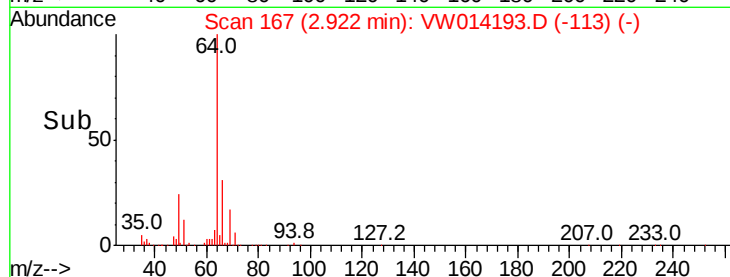
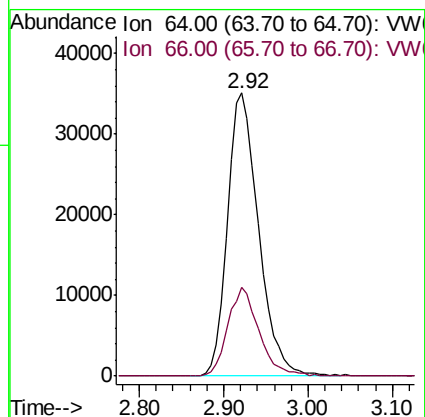
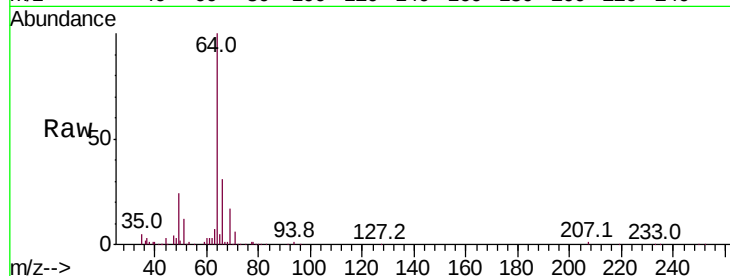
ClientSampleId :

Tot Ion: 64 Resp: 88161

Ion Ratio Lower Upper

64 100

66 31.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 28.877 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014193.D

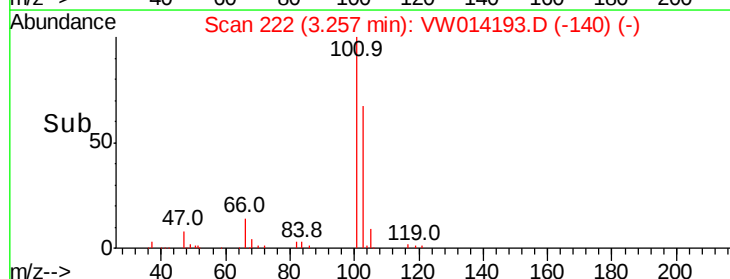
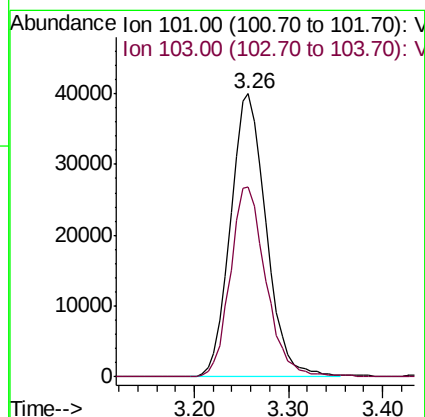
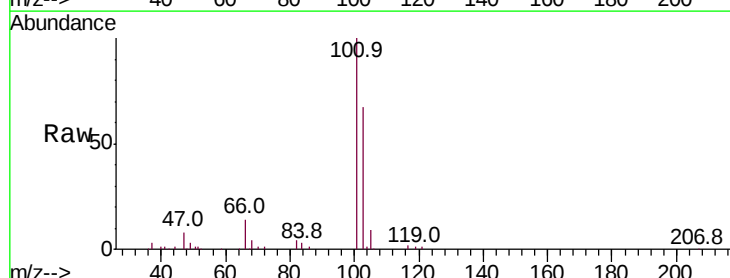
Acq: 02 Dec 2019 09:36

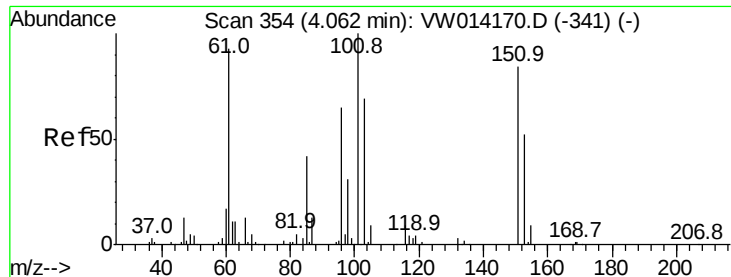
Tgt Ion: 101 Resp: 105413

Ion Ratio Lower Upper

101 100

103 66.2 45.4 84.2





#11

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

Concen: 28.215 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

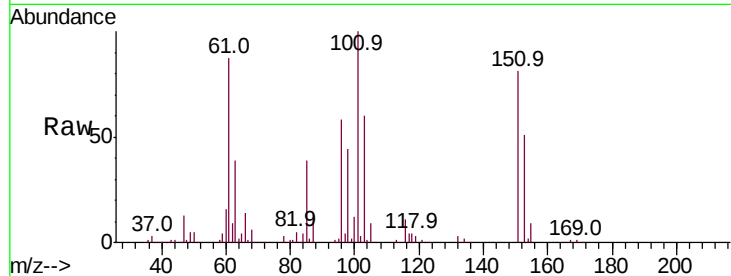
Tot Ion:101 Resp: 152082

Ion Ratio Lower Upper

101 100

85 39.8 31.4 47.2

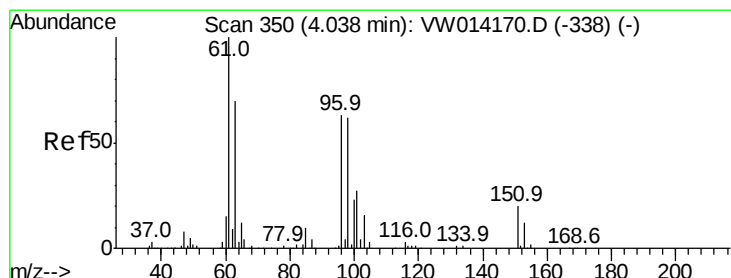
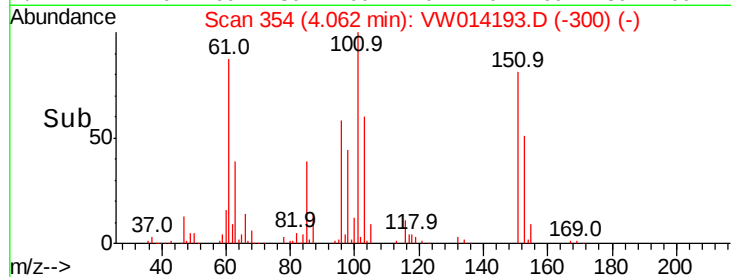
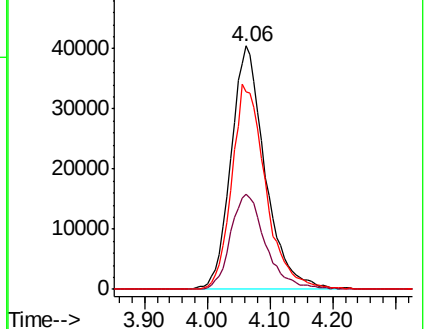
151 83.5 66.9 100.3



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: 26.825 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

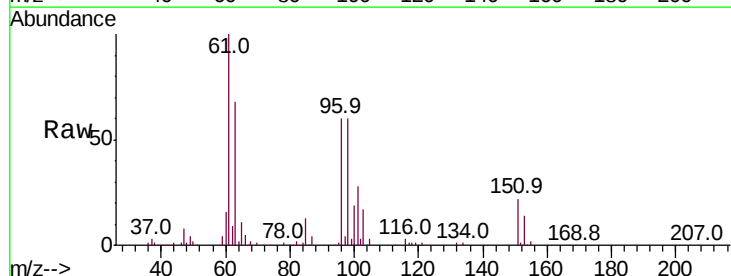
Tgt Ion: 96 Resp: 146975

Ion Ratio Lower Upper

96 100

61 165.6 109.8 204.0

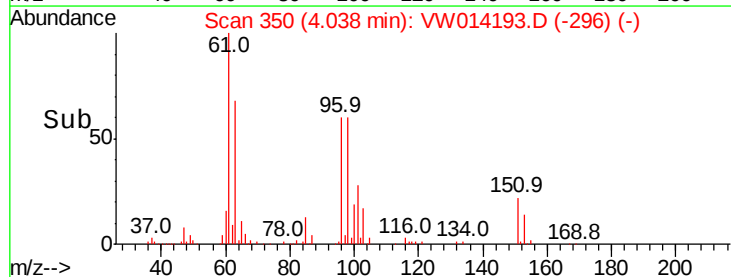
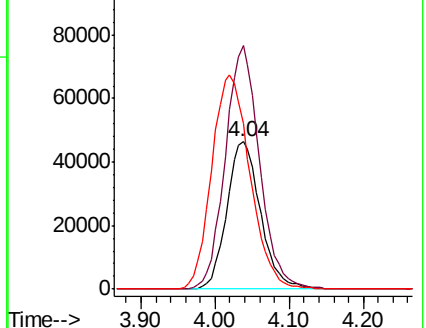
63 112.4 80.7 149.9

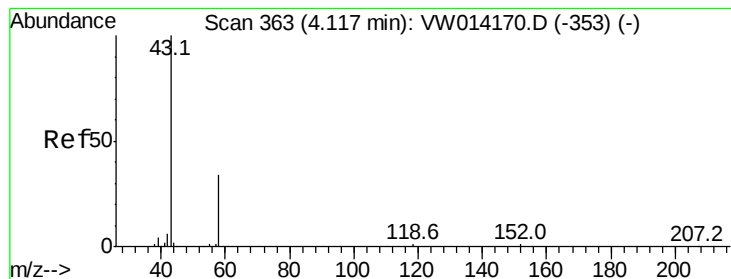


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.981 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

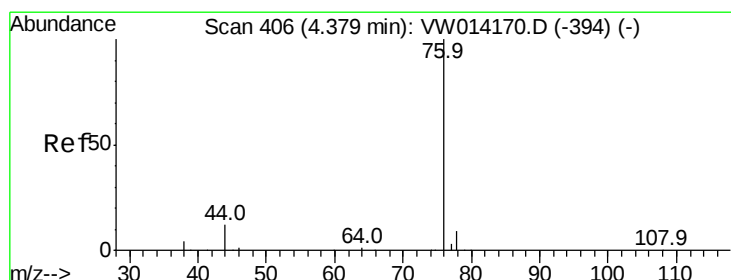
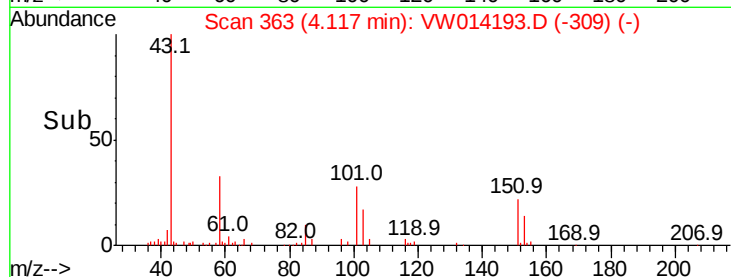
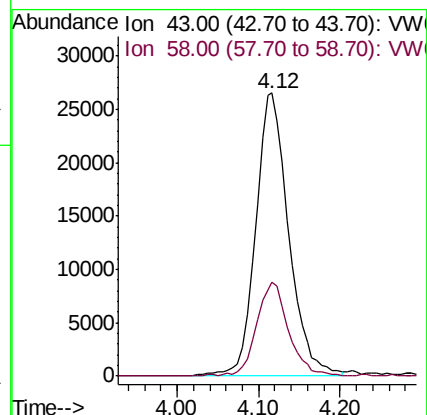
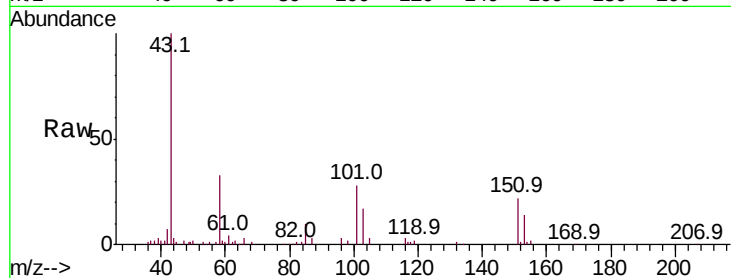
ClientSampleId :

Tot Ion: 43 Resp: 74982

Ion Ratio Lower Upper

43 100

58 30.3 0.0 65.4



#14

Carbon disulfide

Concen: 25.412 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014193.D

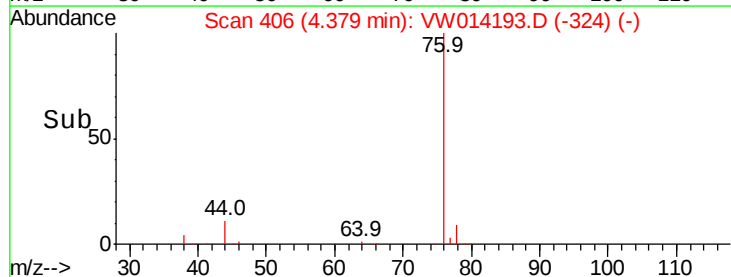
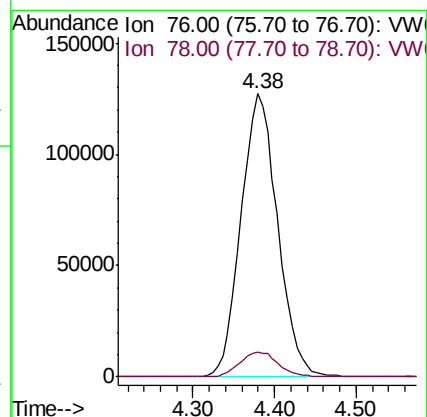
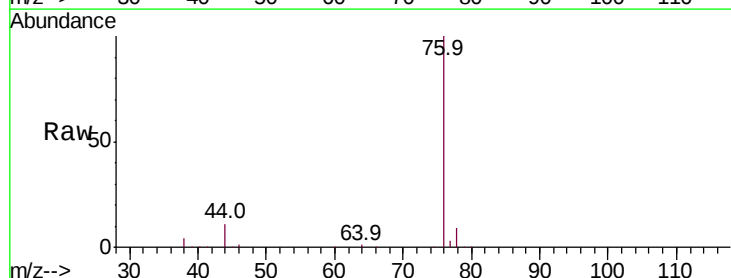
Acq: 02 Dec 2019 09:36

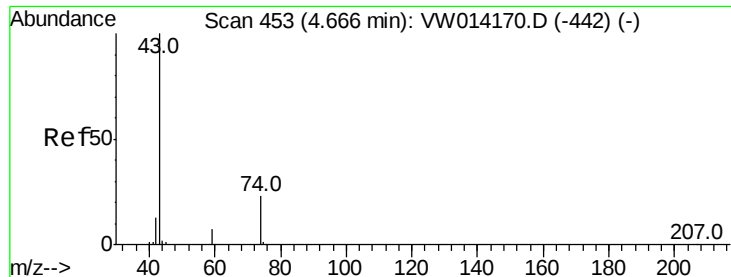
Tgt Ion: 76 Resp: 396281

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

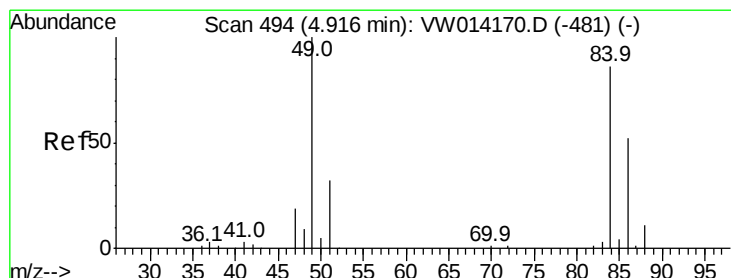
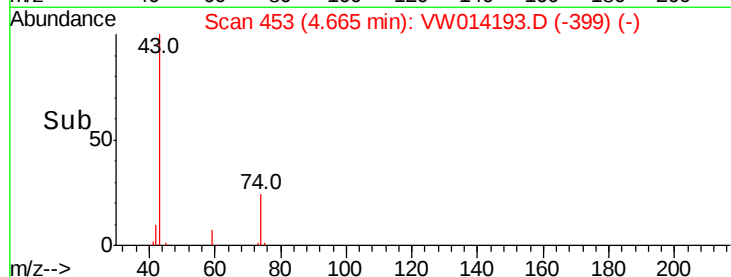
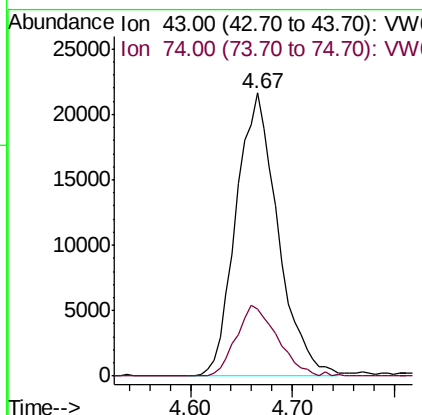
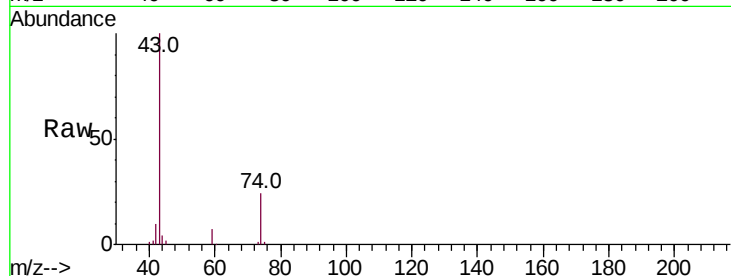




#15
Methvl Acetate
Concen: 24.943 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

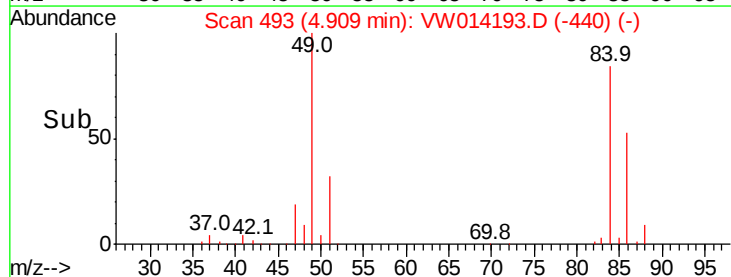
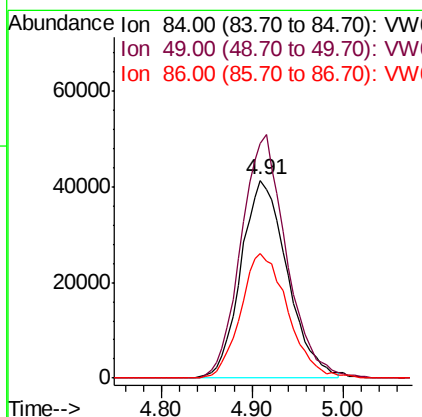
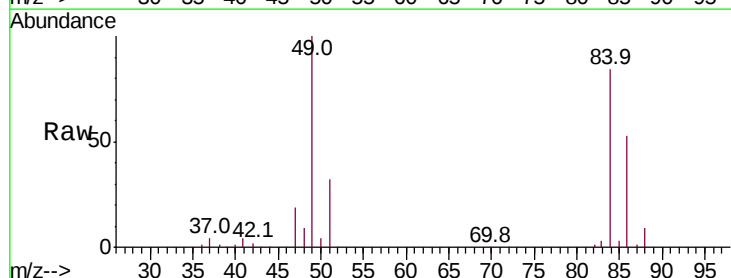
Instrument :
MSVOA_W
ClientSampled :

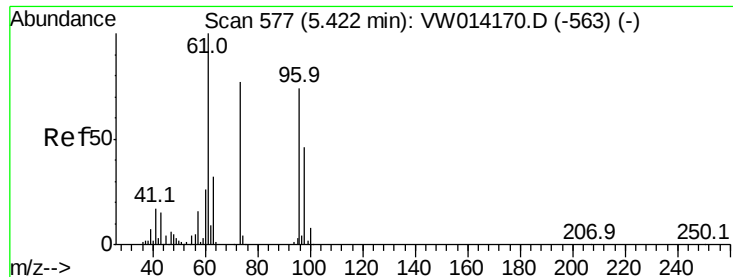
Tot Ion: 43 Resp: 61781
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9



#16
Methylene chloride
Concen: 23.430 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Tgt Ion: 84 Resp: 146399
Ion Ratio Lower Upper
84 100
49 119.0 84.2 156.4
86 62.7 43.7 81.1

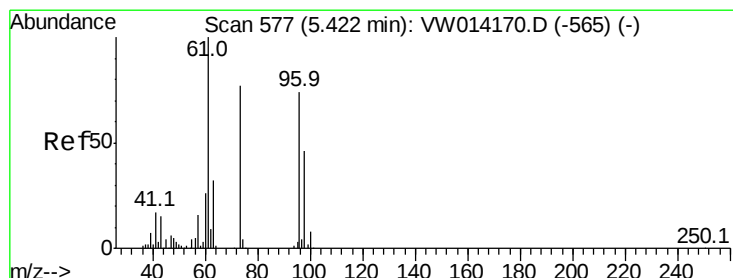
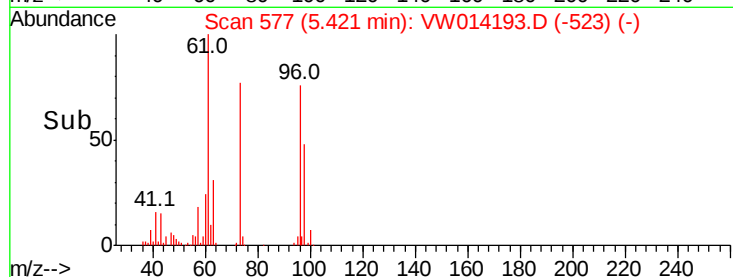
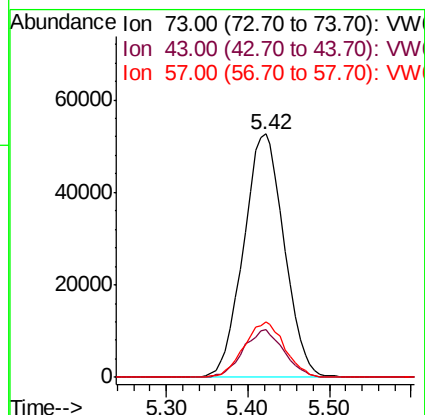
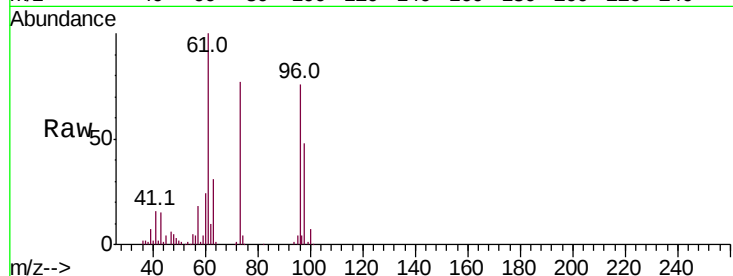




#17
Methvl tert-butvl Ether
Concen: 25.781 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

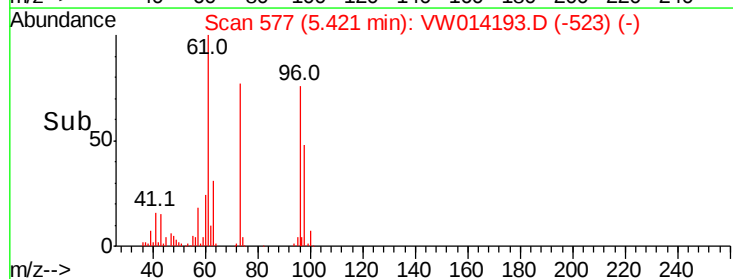
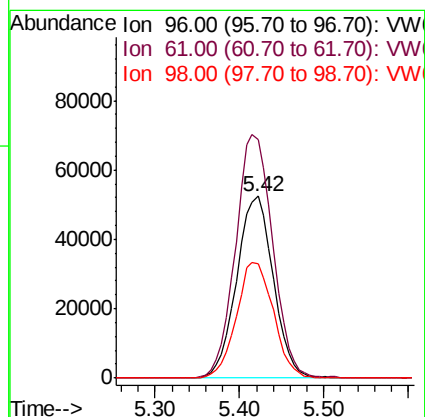
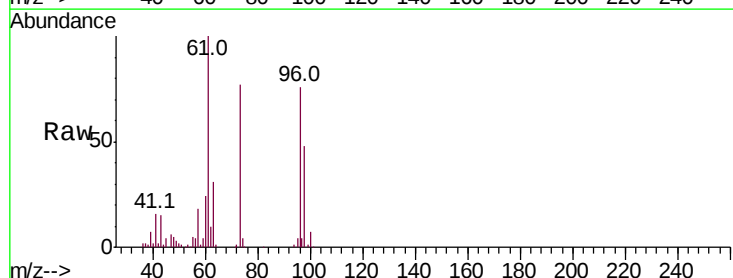
Instrument :
MSVOA_W
ClientSampleId :

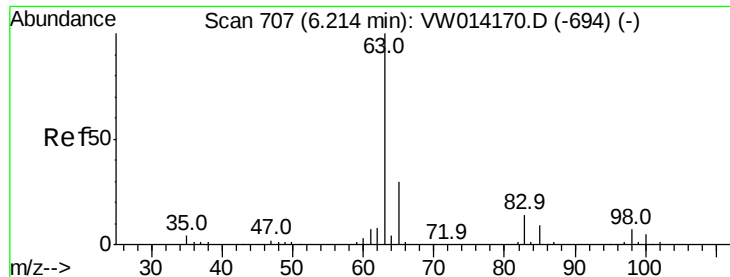
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.5	23.3
57	22.6	18.2	27.4



#18
trans-1,2-Dichloroethene
Concen: 27.044 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.3	90.6	168.2
98	63.2	42.9	79.7





#19

1,1-Dichloroethane

Concen: 28.464 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

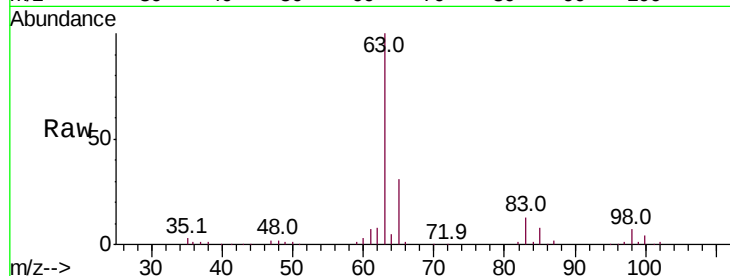
Tot Ion: 63 Resp: 273934

Ion Ratio Lower Upper

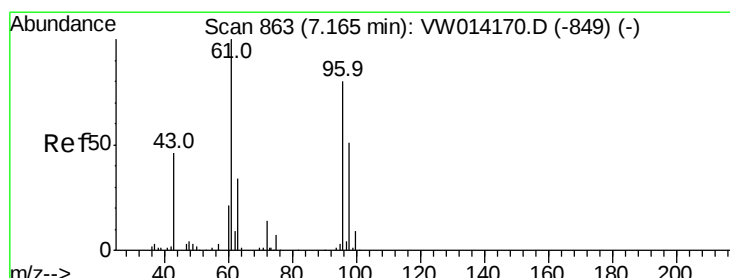
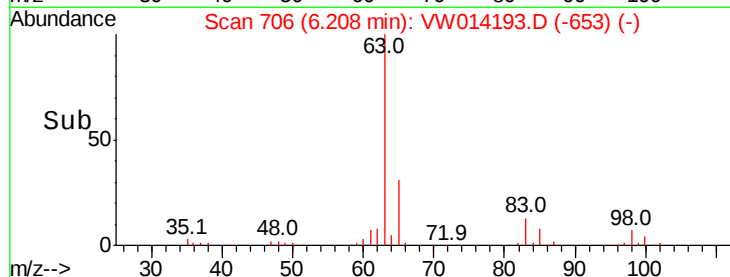
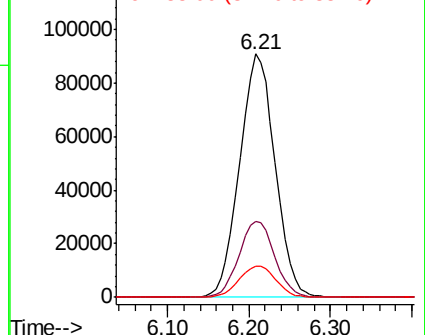
63 100

65 31.2 22.1 41.1

83 12.9 9.0 16.6



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



#21

2-Butanone

Concen: 46.318 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014193.D

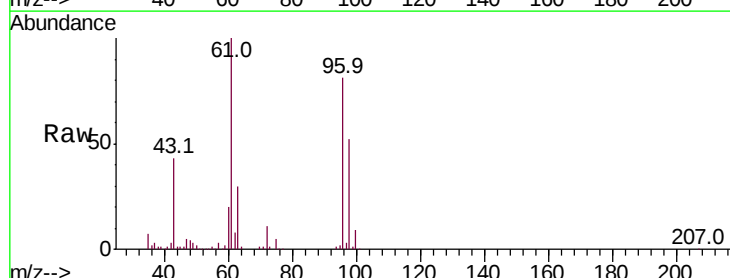
Acq: 02 Dec 2019 09:36

Tgt Ion: 43 Resp: 91094

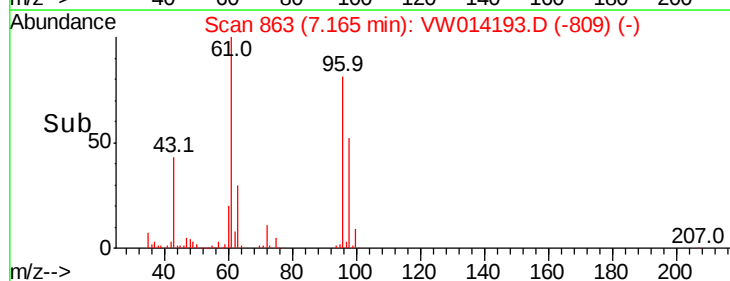
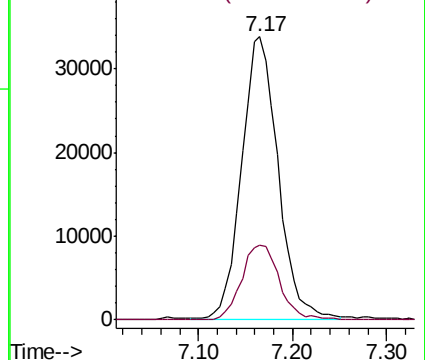
Ion Ratio Lower Upper

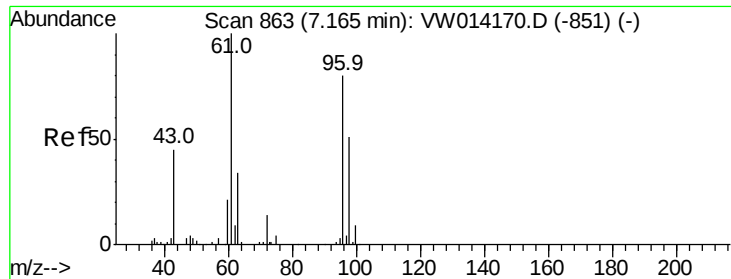
43 100

72 26.9 14.1 42.2



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



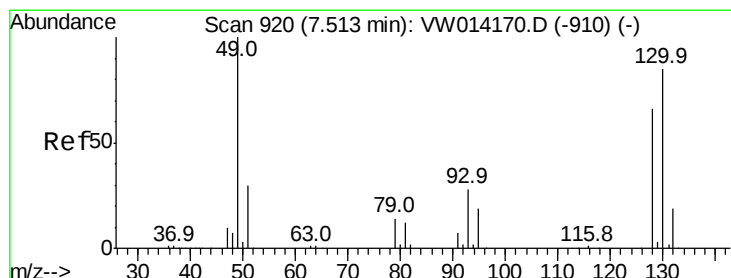
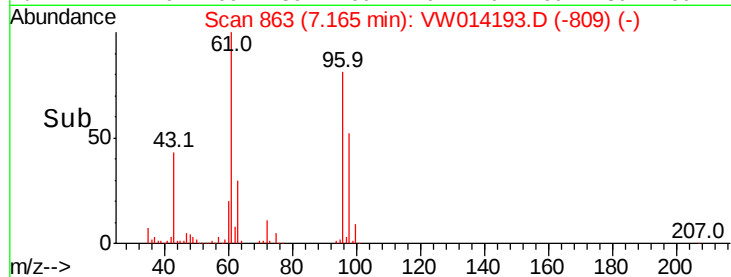
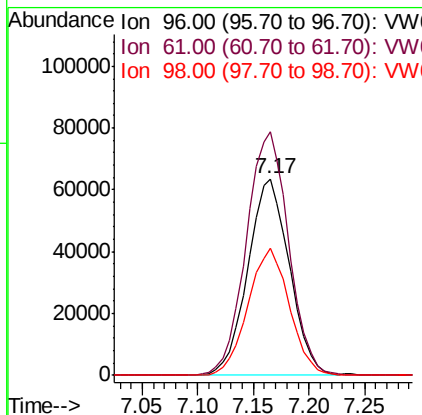
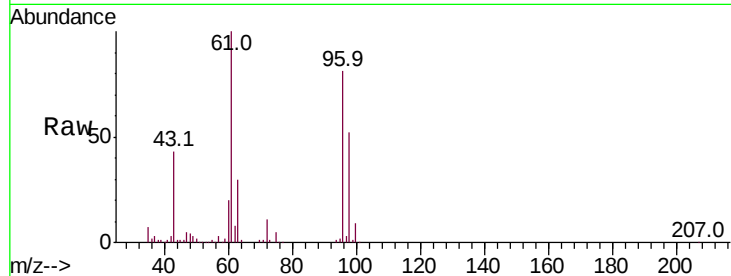


#22

cis-1,2-Dichloroethene
Concen: 27.517 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Instrument :
MSVOA_W
ClientSampleId :

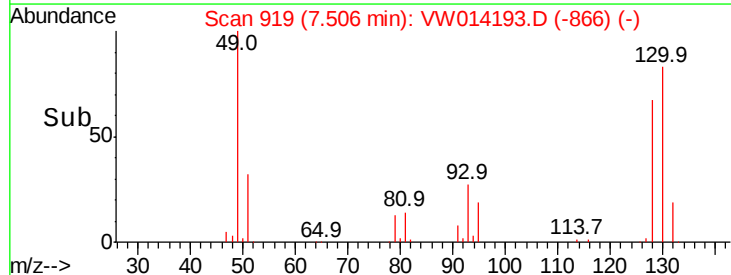
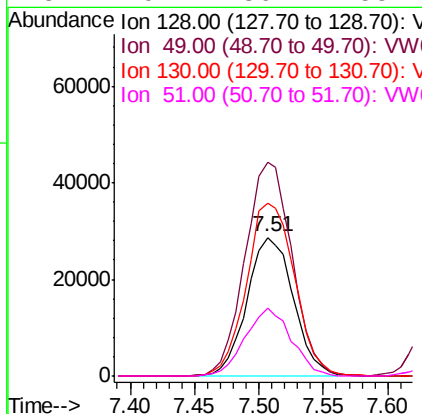
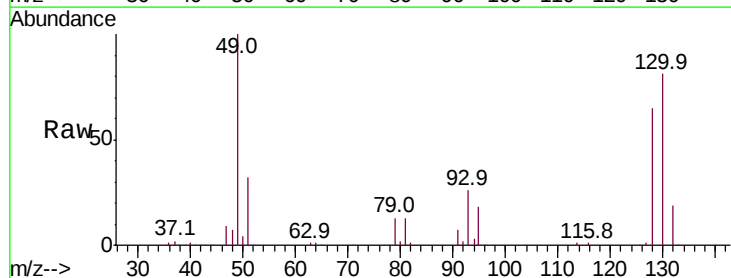
Tot Ion: 96 Resp: 165449
Ion Ratio Lower Upper
96 100
61 123.8 86.9 161.5
98 64.5 45.5 84.5

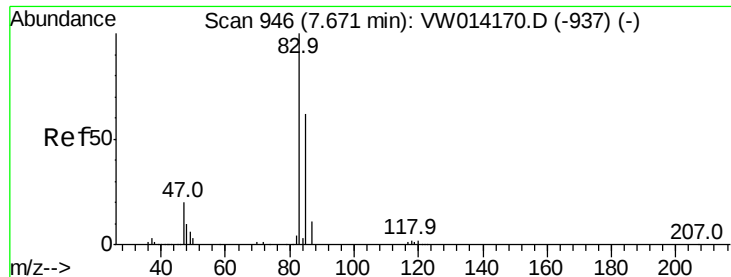


#23

Bromochloromethane
Concen: 27.110 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Tgt Ion: 128 Resp: 71551
Ion Ratio Lower Upper
128 100
49 153.8 95.1 176.5
130 124.3 85.0 158.0
51 49.1 36.7 55.1





#25

Chloroform

Concen: 28.626 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

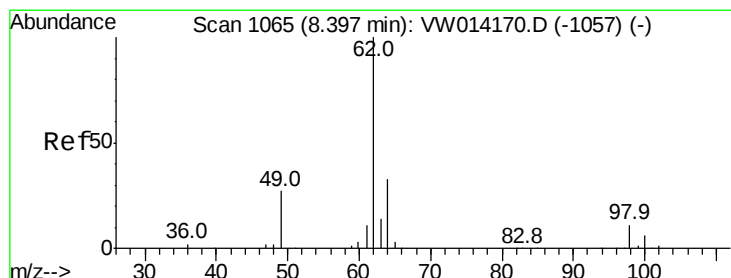
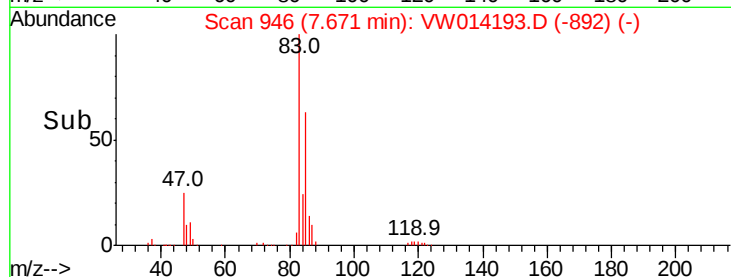
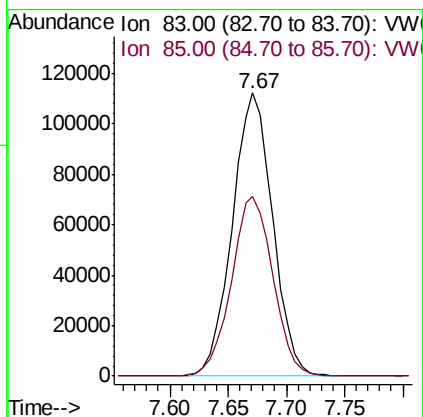
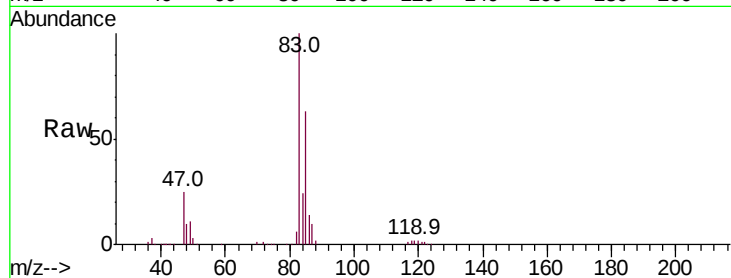
ClientSampled :

Tot Ion: 83 Resp: 270547

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7



#27

1,2-Dichloroethane

Concen: 28.872 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014193.D

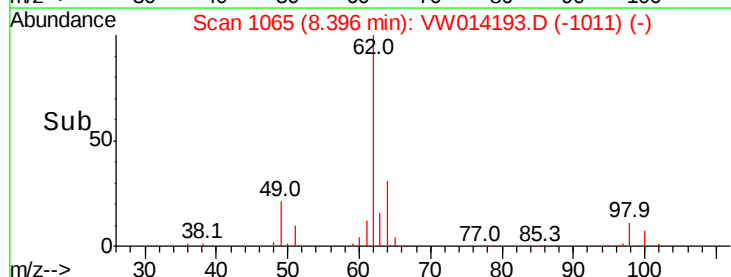
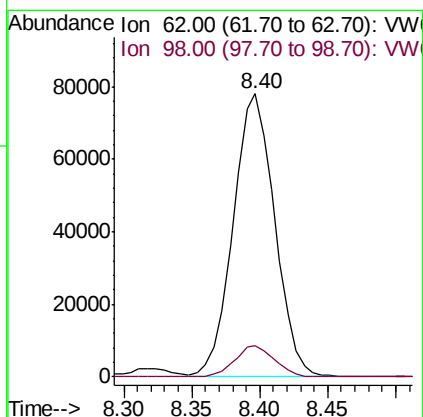
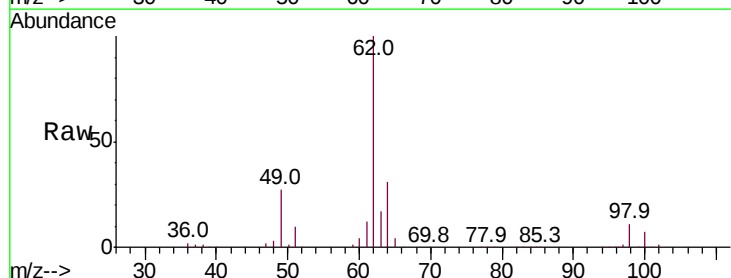
Acq: 02 Dec 2019 09:36

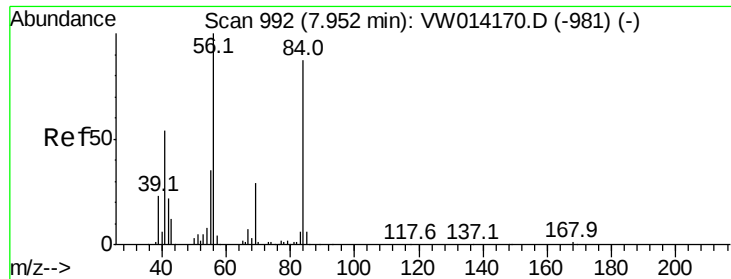
Tgt Ion: 62 Resp: 165205

Ion Ratio Lower Upper

62 100

98 11.0 9.3 13.9

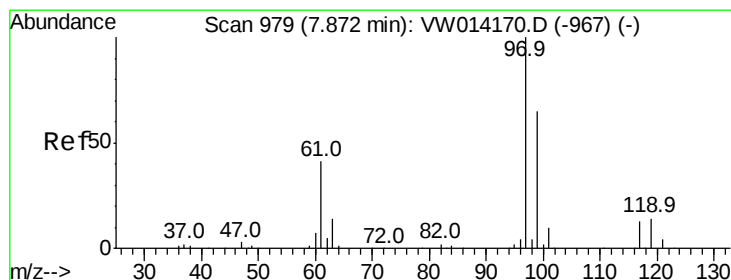
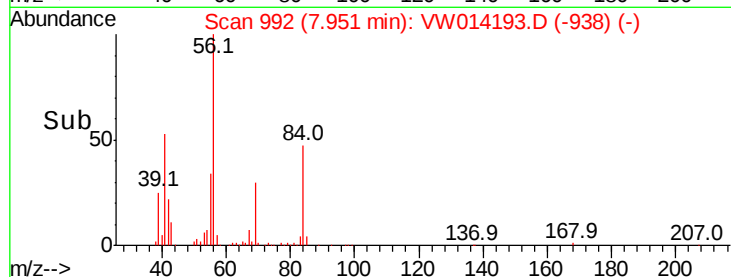
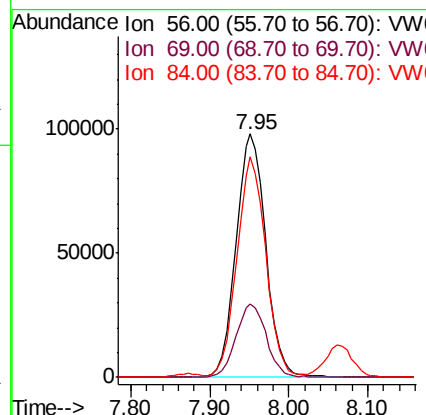
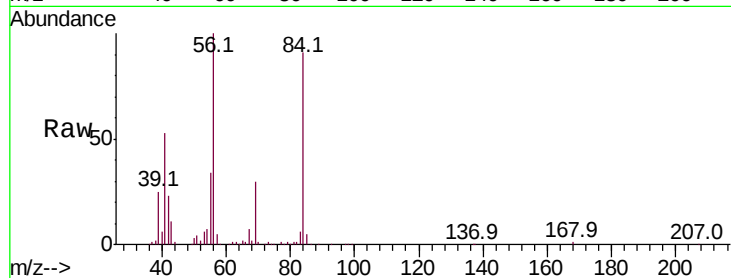




#30
Cyclohexane
Concen: 26.241 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

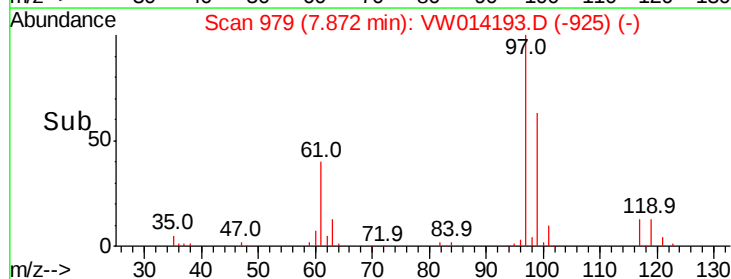
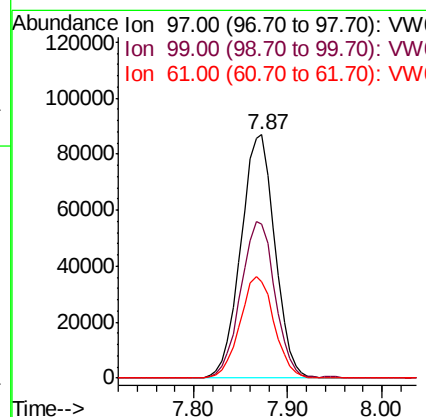
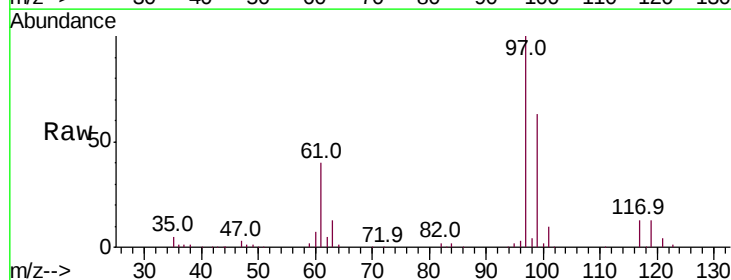
Instrument :
MSVOA_W
ClientSampled :

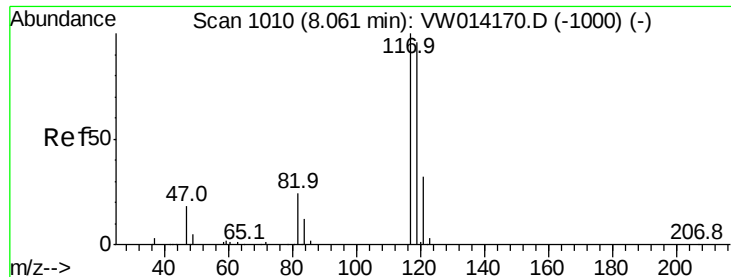
Tot Ion: 56 Resp: 256122
Ion Ratio Lower Upper
56 100
69 30.4 24.6 37.0
84 88.1 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 28.822 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Tgt Ion: 97 Resp: 220297
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 41.7 32.8 49.2





#32

Carbon tetrachloride

Concen: 28.516 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

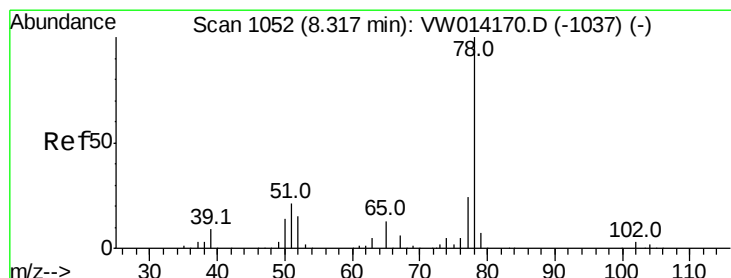
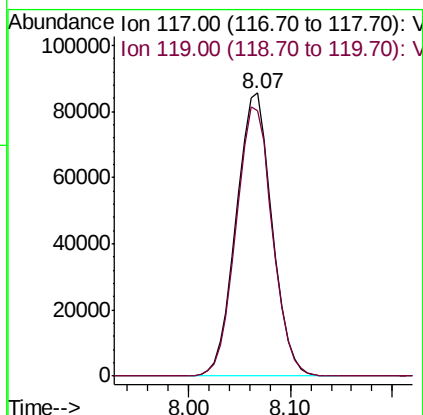
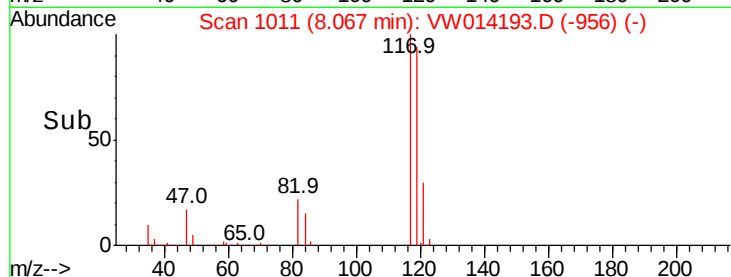
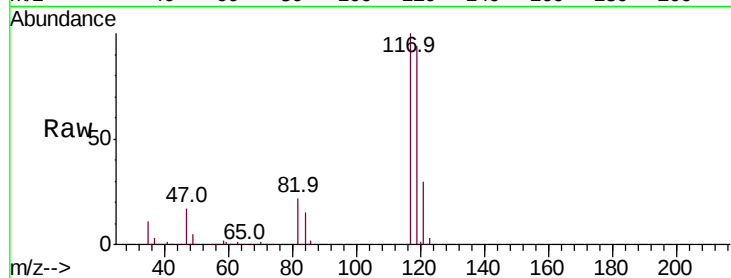
ClientSampleId :

Tot Ion:117 Resp: 209227

Ion Ratio Lower Upper

117 100

119 96.3 76.7 115.1



#34

Benzene

Concen: 28.036 ug/L

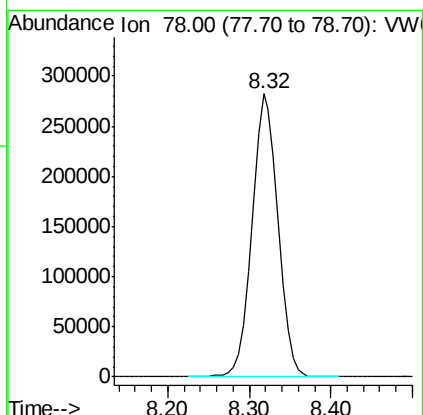
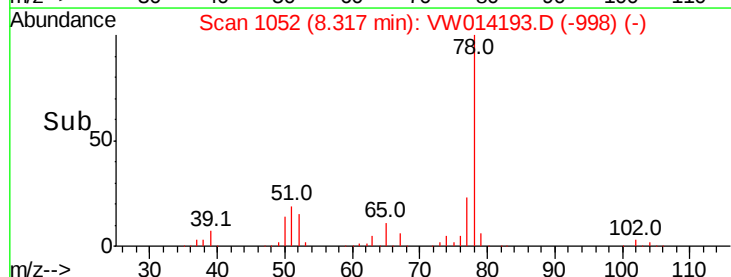
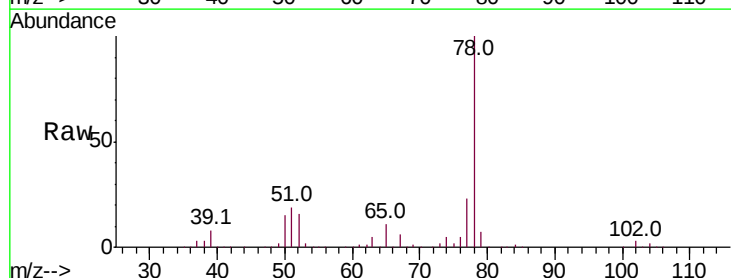
RT: 8.32 min Scan# 1052

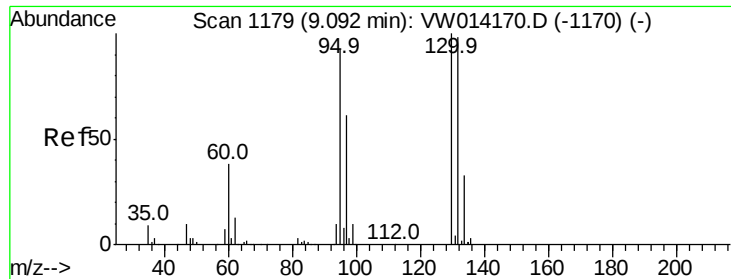
Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Tgt Ion: 78 Resp: 627185

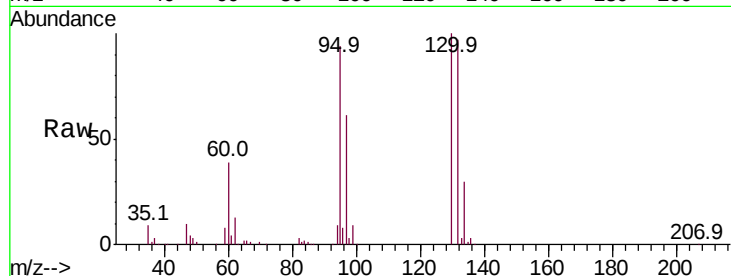




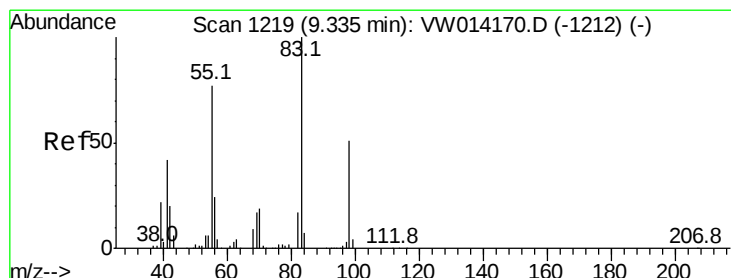
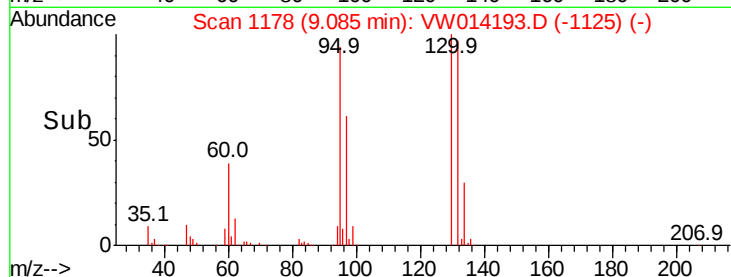
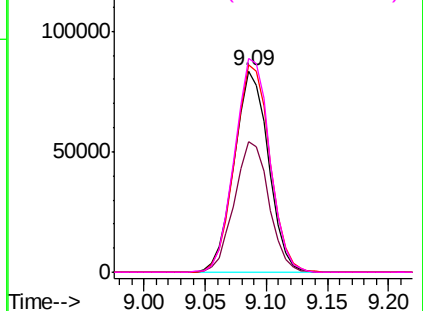
#35
 Trichloroethene
 Concen: 27.324 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW014193.D
 Acq: 02 Dec 2019 09:36

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 163059
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.1 83.9
 132 104.9 73.7 136.9
 130 108.5 76.6 142.2

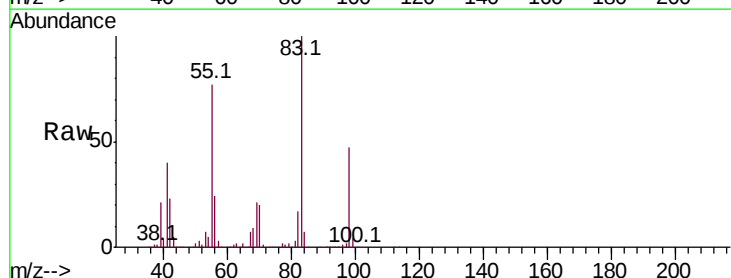


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

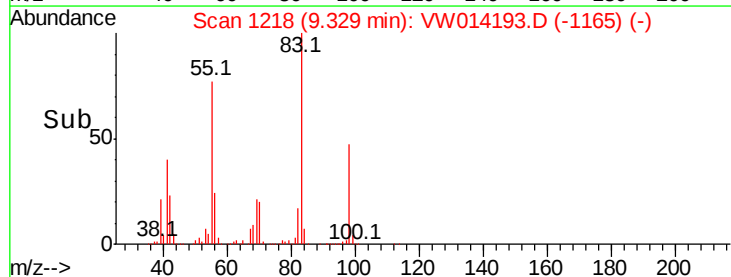
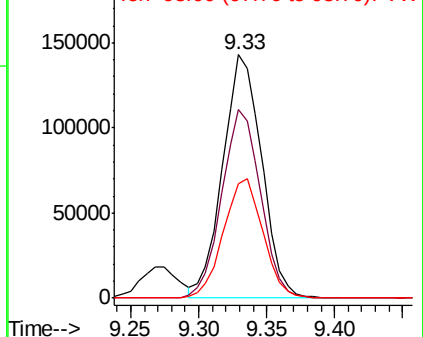


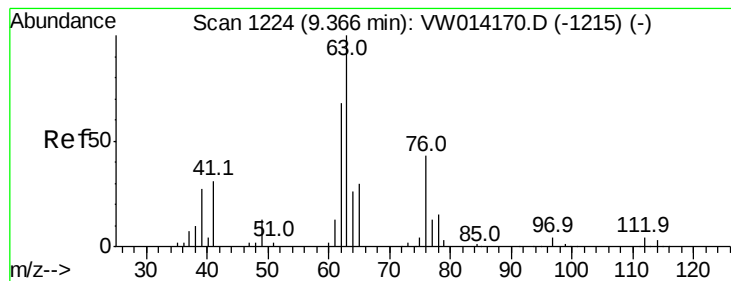
#36
 Methylcyclohexane
 Concen: 26.708 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014193.D
 Acq: 02 Dec 2019 09:36

Tgt Ion: 83 Resp: 285766
 Ion Ratio Lower Upper
 83 100
 55 76.8 59.8 89.8
 98 49.5 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: 28.506 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

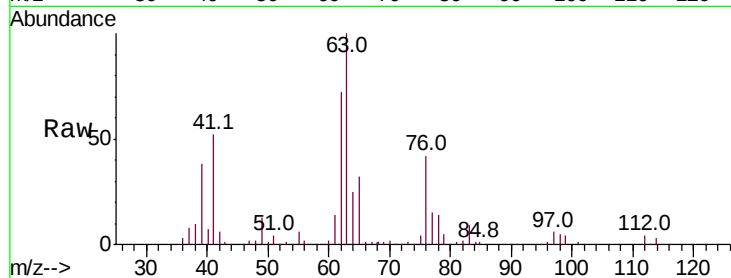
ClientSampleId :

Tot Ion: 63 Resp: 153511

Ion Ratio Lower Upper

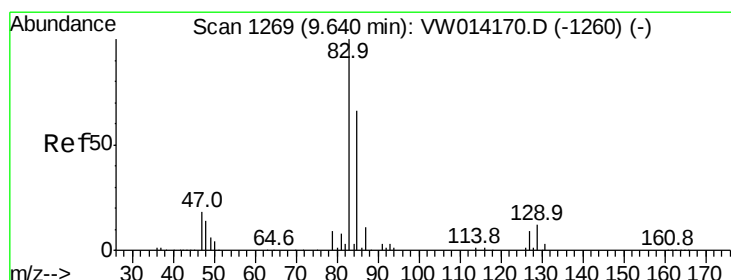
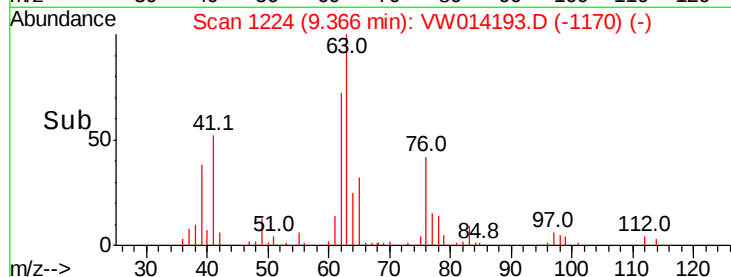
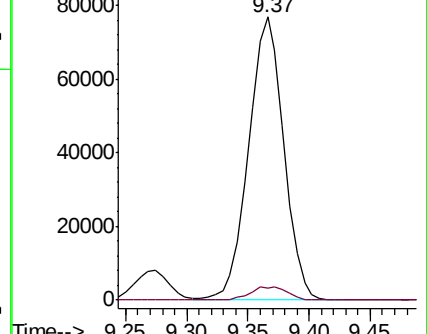
63 100

112 5.1 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 29.512 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

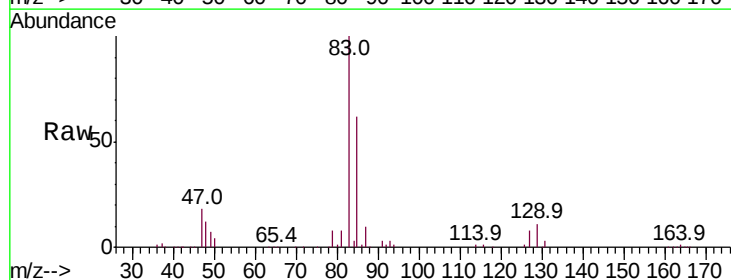
Tgt Ion: 83 Resp: 192139

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7

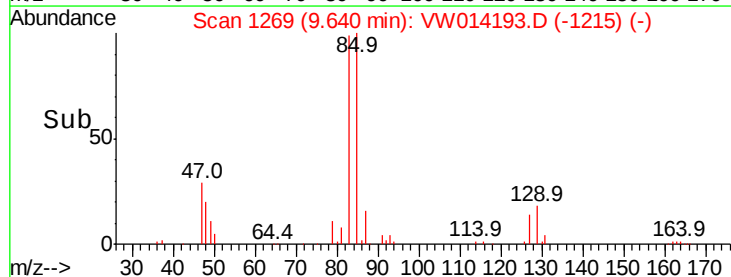
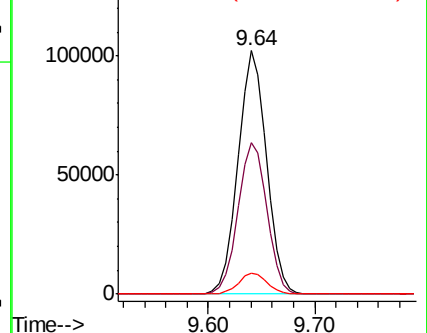
127 8.4 7.4 11.0

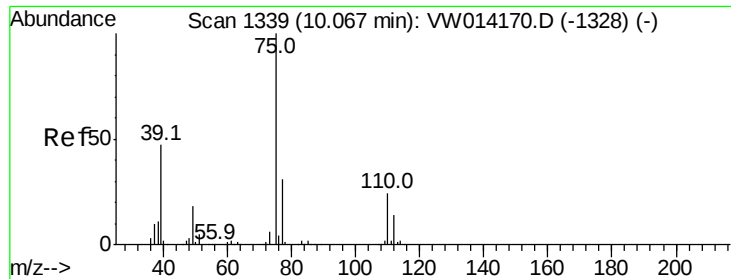


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 27.926 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

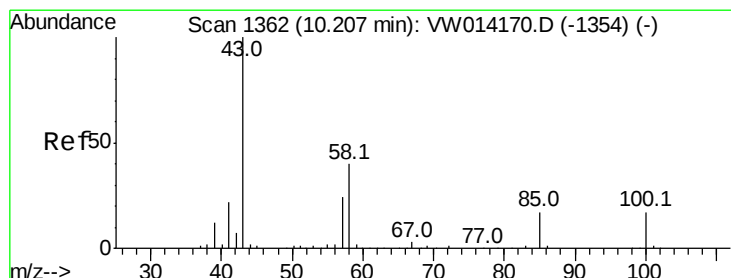
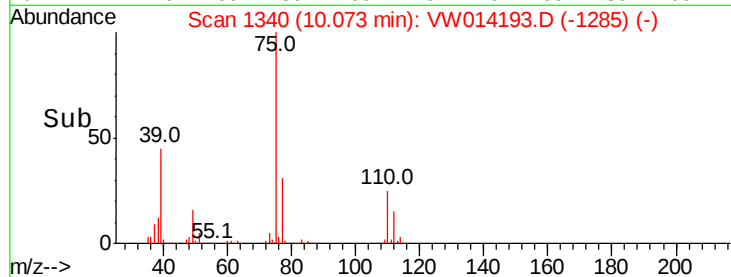
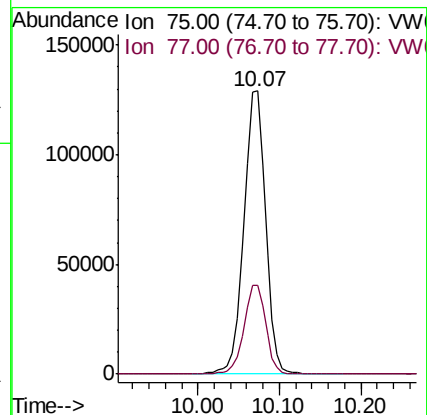
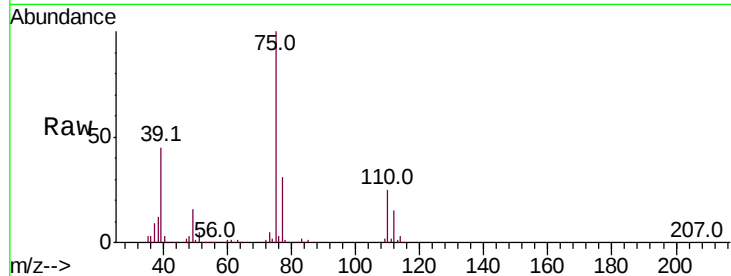
ClientSampled :

Tot Ion: 75 Resp: 237331

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 48.808 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

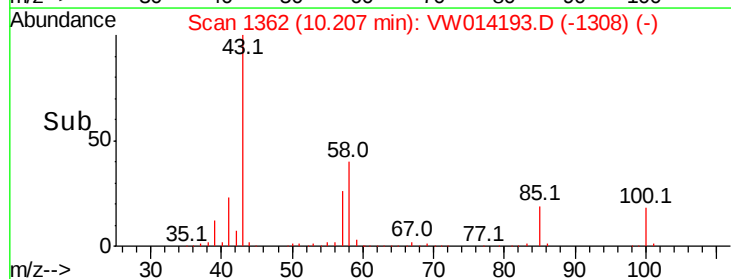
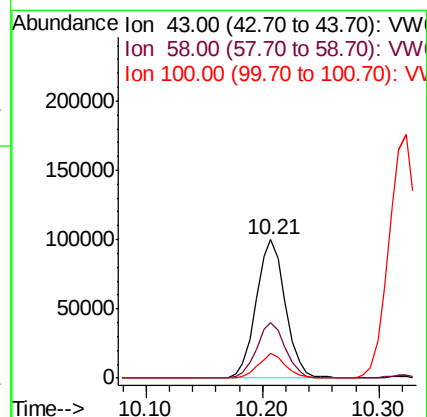
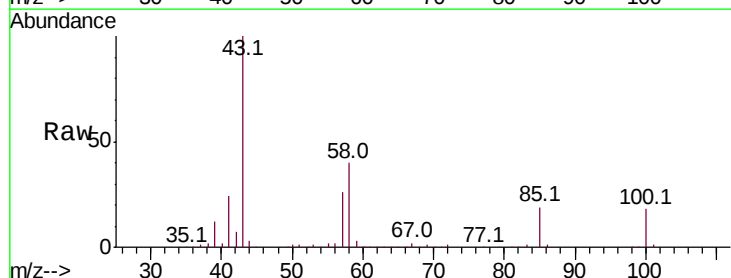
Tgt Ion: 43 Resp: 173546

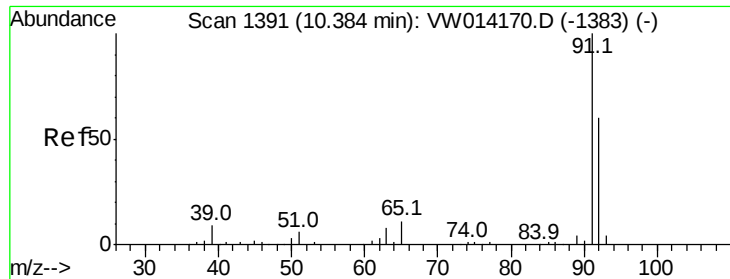
Ion Ratio Lower Upper

43 100

58 39.8 32.6 49.0

100 16.7 13.8 20.8





#44

Toluene

Concen: 27.627 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

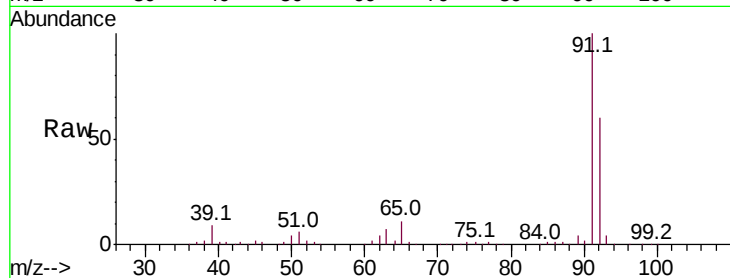
ClientSampleId :

Tot Ion: 91 Resp: 673836

Ion Ratio Lower Upper

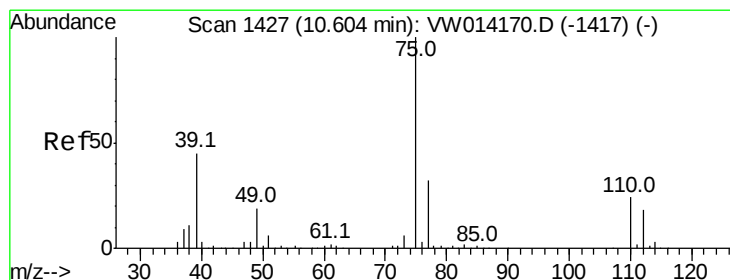
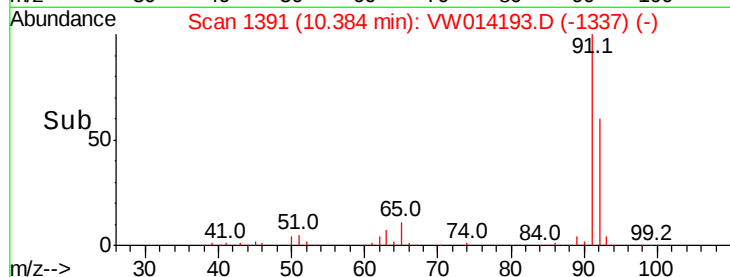
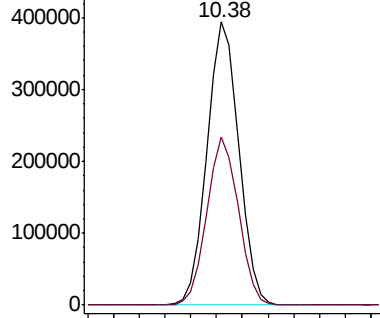
91 100

92 59.6 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 27.572 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014193.D

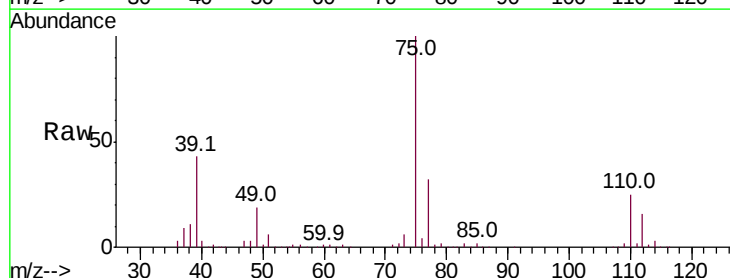
Acq: 02 Dec 2019 09:36

Tgt Ion: 75 Resp: 185297

Ion Ratio Lower Upper

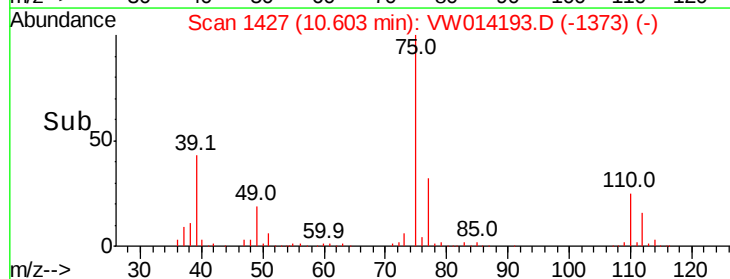
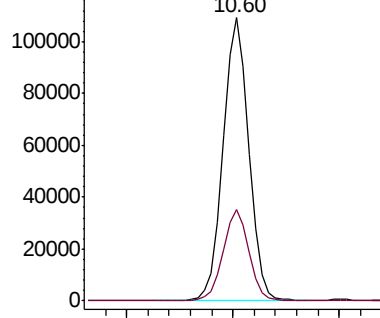
75 100

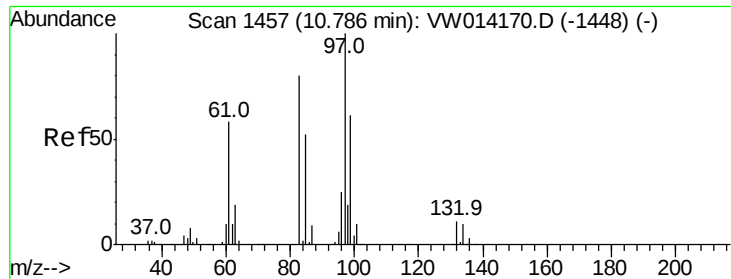
77 32.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 27.879 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 110314

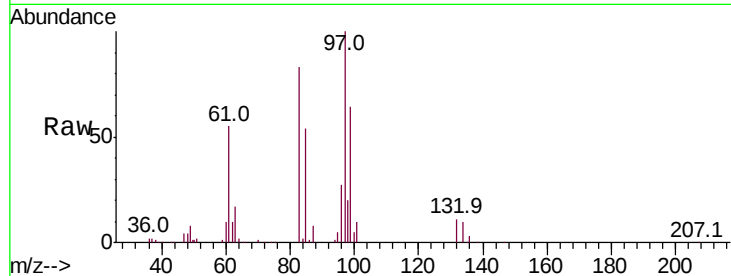
Ion Ratio Lower Upper

97 100

83 83.5 58.9 109.5

85 53.9 38.1 70.9

99 64.3 46.5 86.3



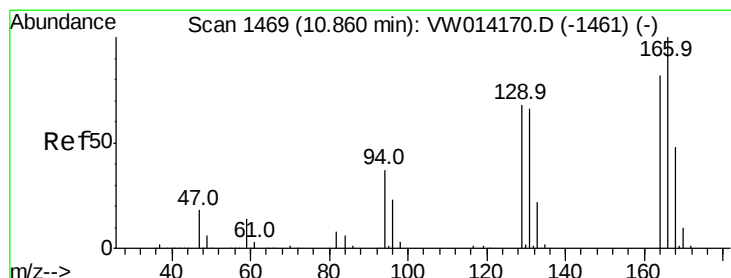
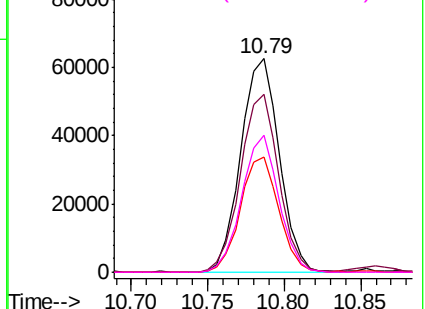
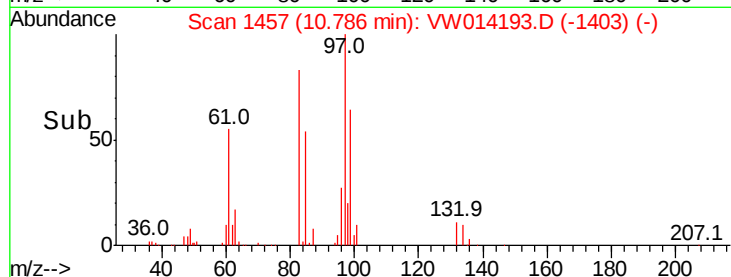
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.757 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Tgt Ion: 164 Resp: 147642

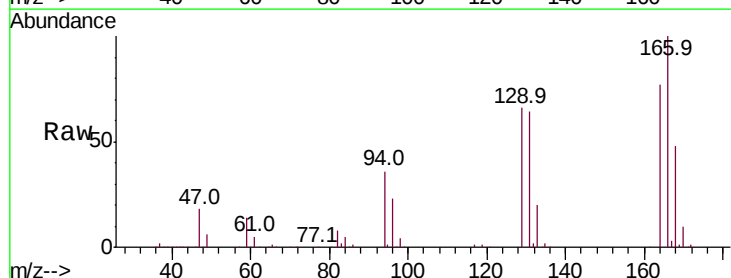
Ion Ratio Lower Upper

164 100

129 84.9 60.6 112.6

131 82.9 59.1 109.7

166 129.1 90.8 168.6



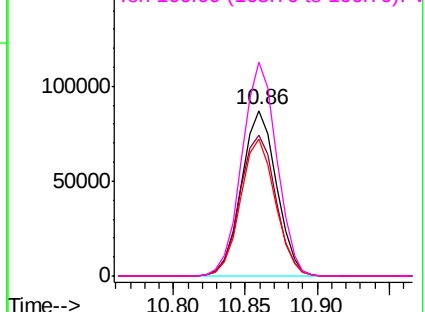
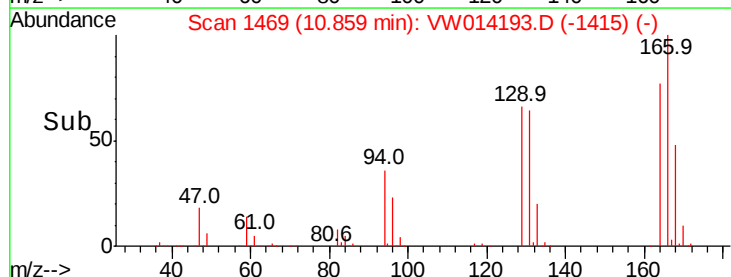
Abundance

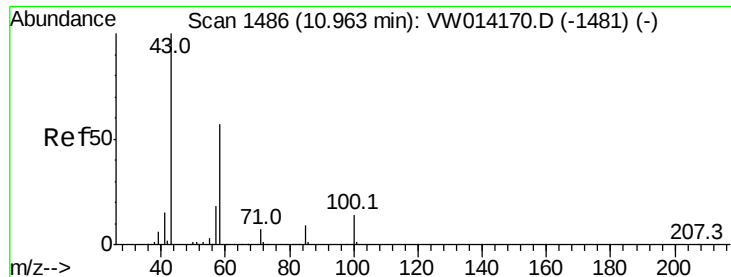
Ion 164.00 (163.70 to 164.70): V

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

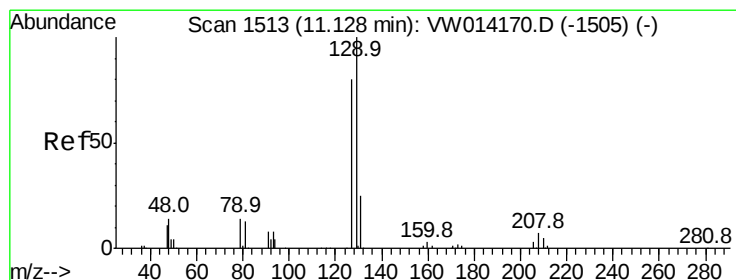
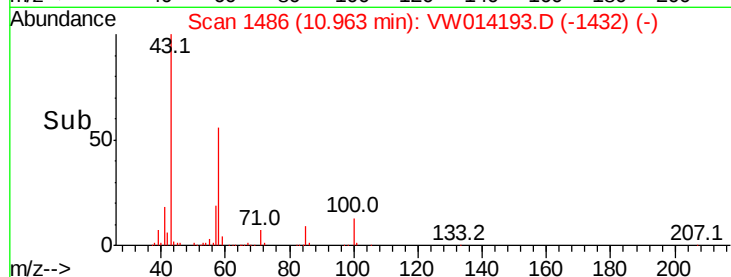
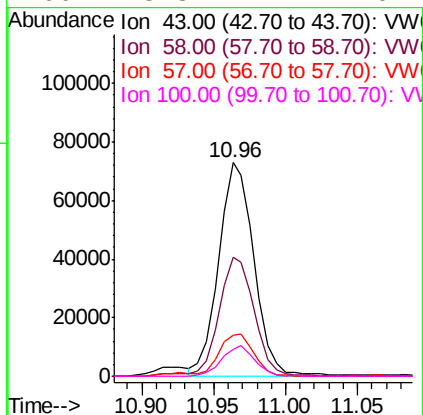
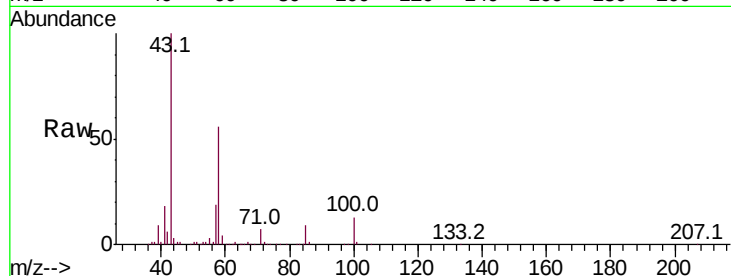




#49
2-Hexanone
Concen: 49.003 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

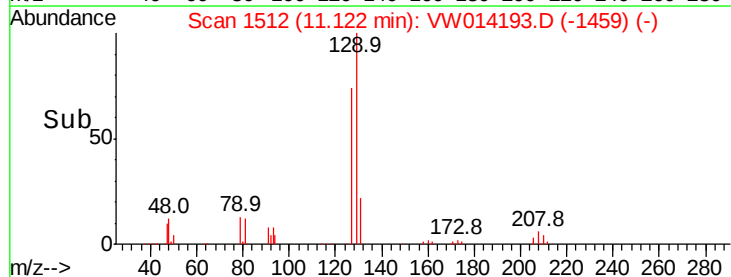
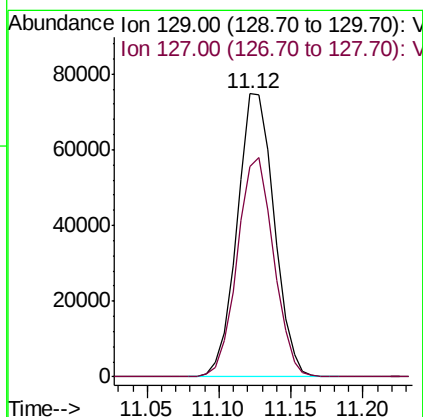
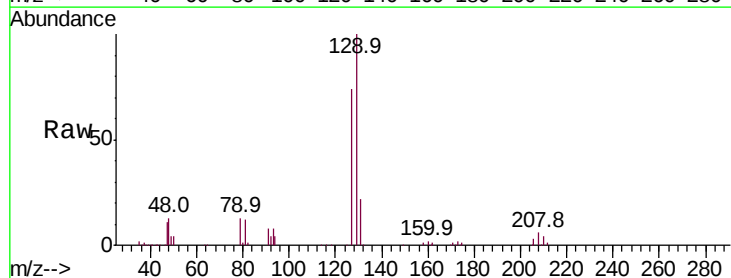
Instrument :
MSVOA_W
ClientSampleId :

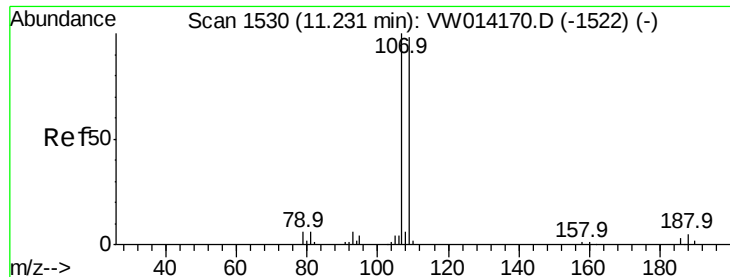
Tot Ion: 43 Resp: 125618
Ion Ratio Lower Upper
43 100
58 55.1 44.4 66.6
57 19.6 16.5 24.7
100 13.3 11.1 16.7



#50
Dibromochloromethane
Concen: 28.743 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Tgt Ion: 129 Resp: 133683
Ion Ratio Lower Upper
129 100
127 74.3 54.9 102.1

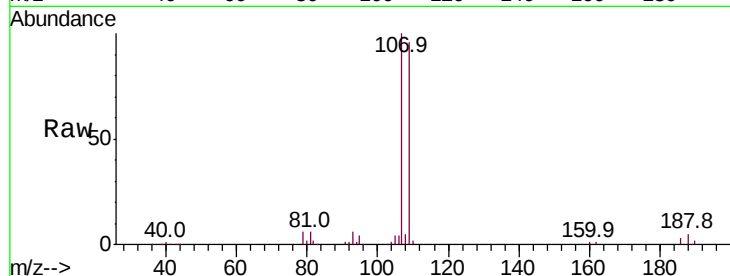




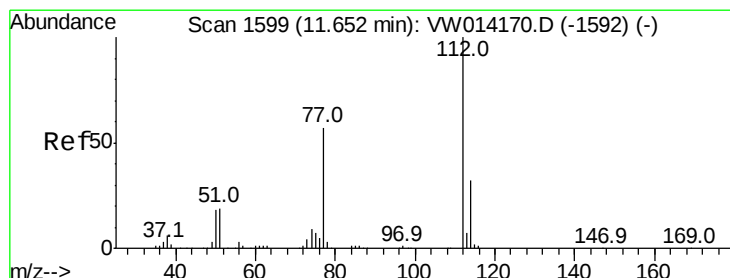
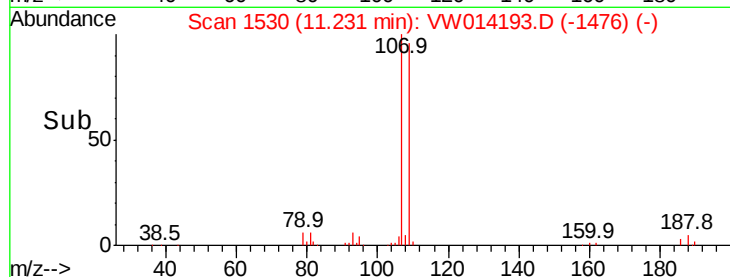
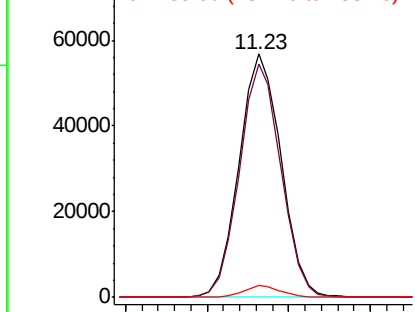
#51
1,2-Dibromoethane
Concen: 26.560 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.6	120.0
188	4.7	3.9	5.9

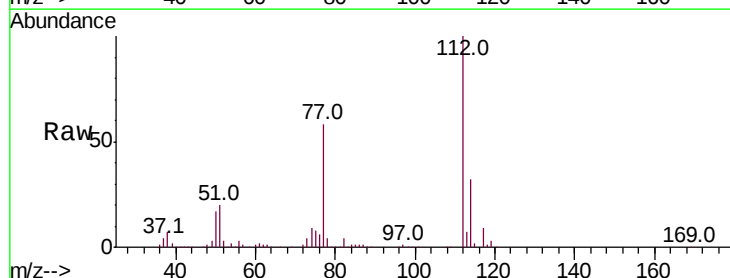


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

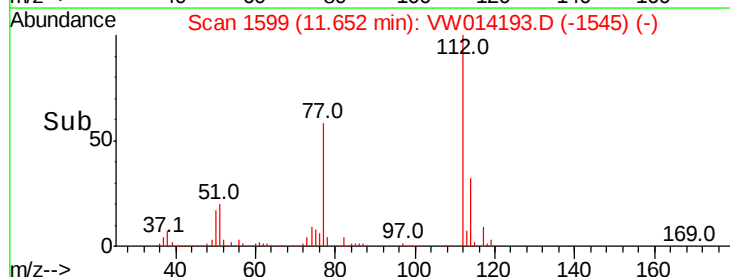
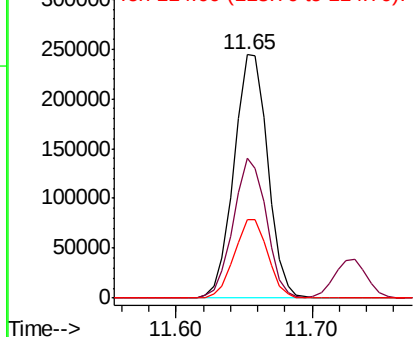


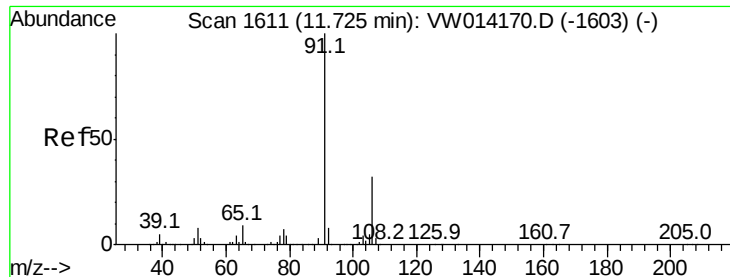
#52
Chlorobenzene
Concen: 27.636 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.5	42.2	63.4
114	32.3	22.5	41.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

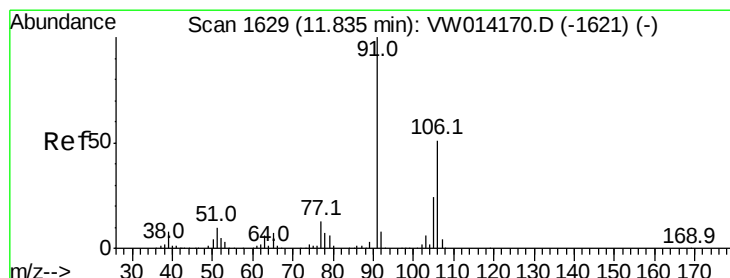
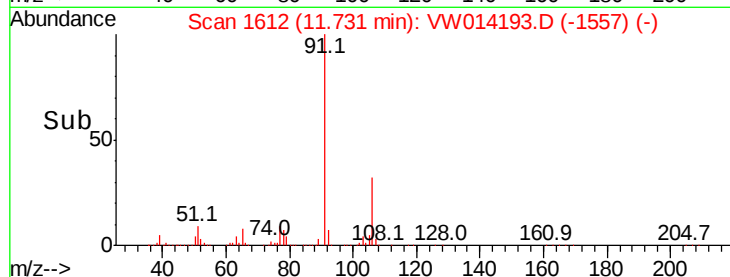
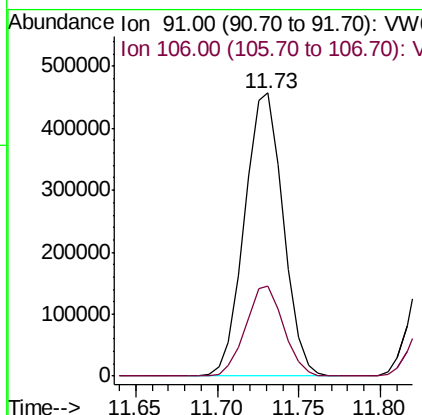
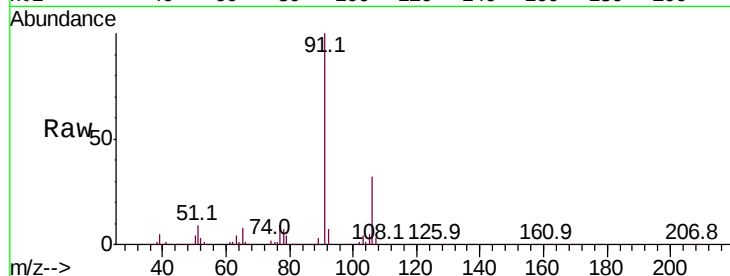




#53
Ethylbenzene
Concen: 28.198 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

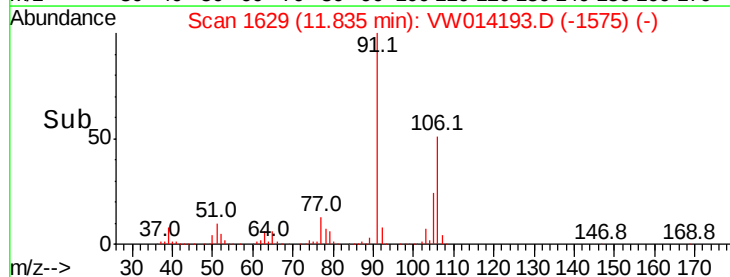
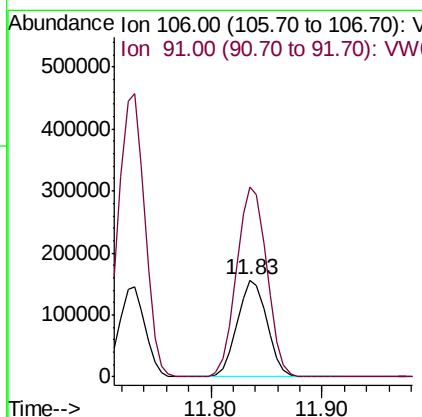
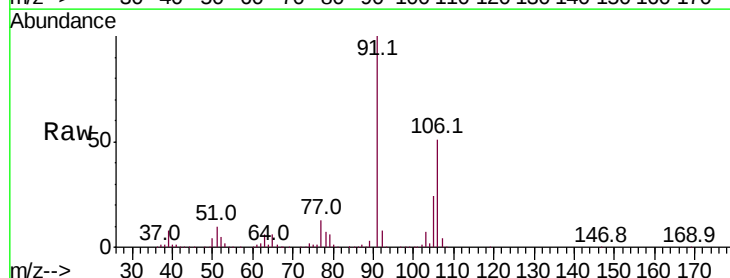
Instrument :
MSVOA_W
ClientSampleId :

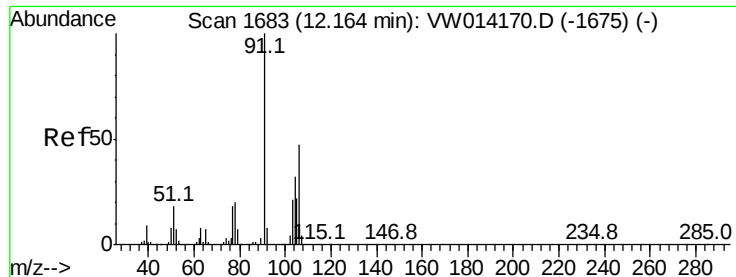
Tot Ion: 91 Resp: 754710
Ion Ratio Lower Upper
91 100
106 32.1 22.3 41.5



#54
m,p-Xylene
Concen: 27.889 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014193.D
Acq: 02 Dec 2019 09:36

Tgt Ion: 106 Resp: 290087
Ion Ratio Lower Upper
106 100
91 196.2 138.7 257.5





#55

o-xylene

Concen: 28.351 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

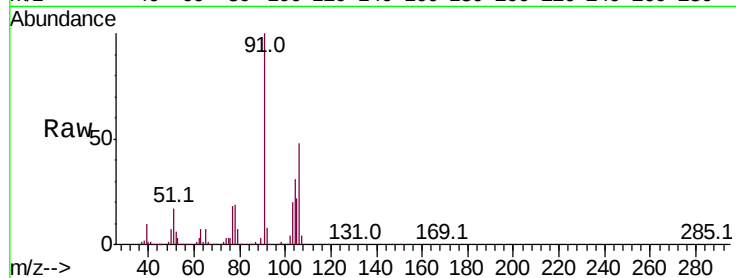
ClientSampled :

Tot Ion:106 Resp: 276147

Ion Ratio Lower Upper

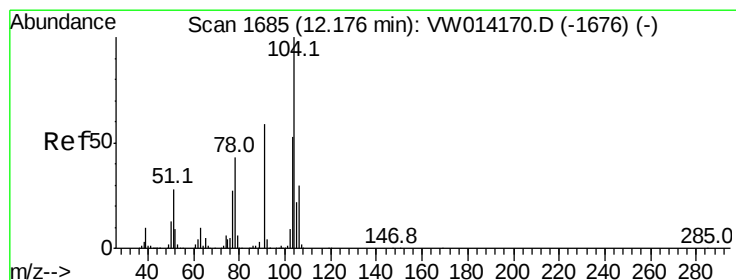
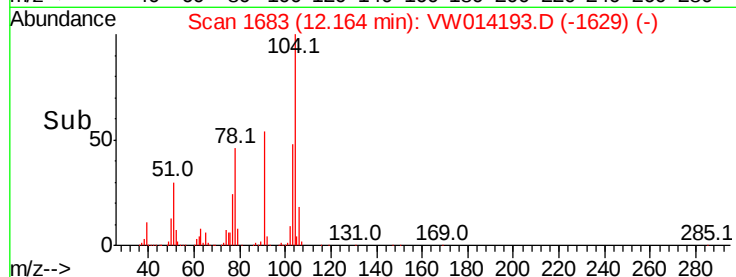
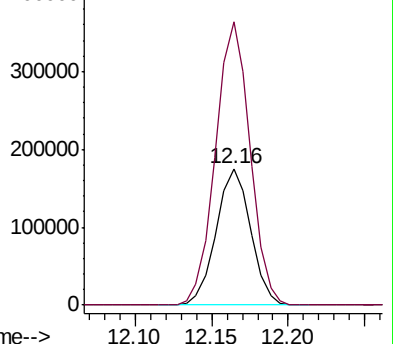
106 100

91 207.7 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.326 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014193.D

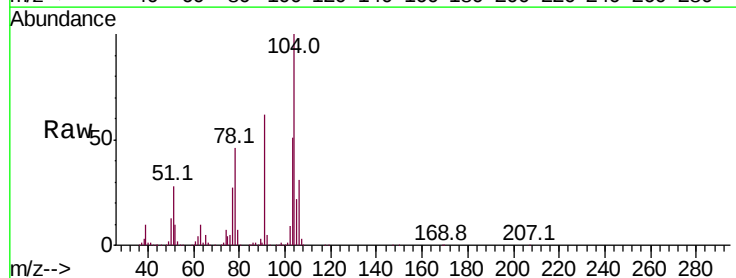
Acq: 02 Dec 2019 09:36

Tgt Ion:104 Resp: 466088

Ion Ratio Lower Upper

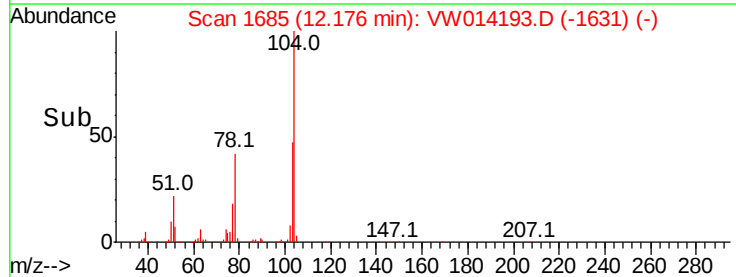
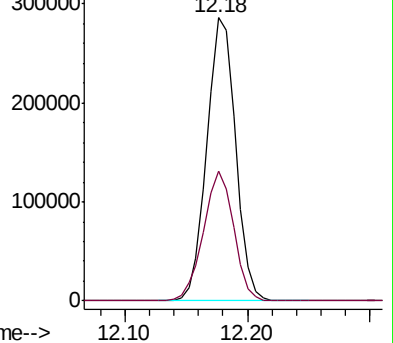
104 100

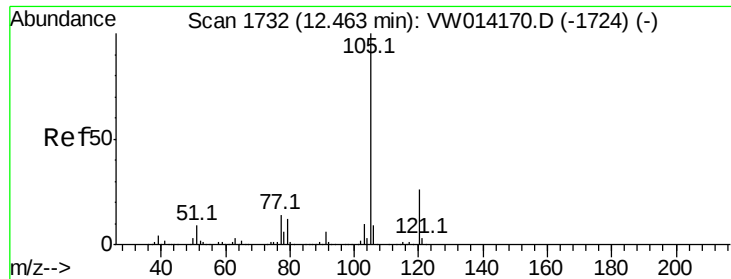
78 45.6 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.198 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

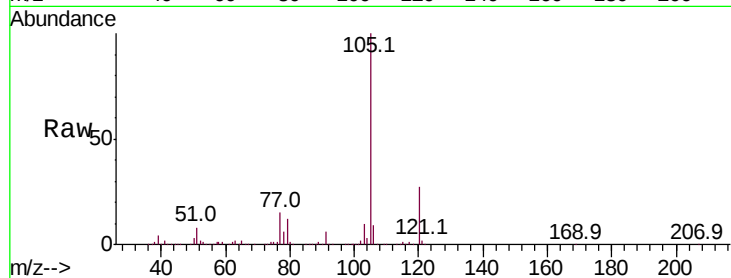
Tot Ion:105 Resp: 755169

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

77 14.6 11.6 17.4



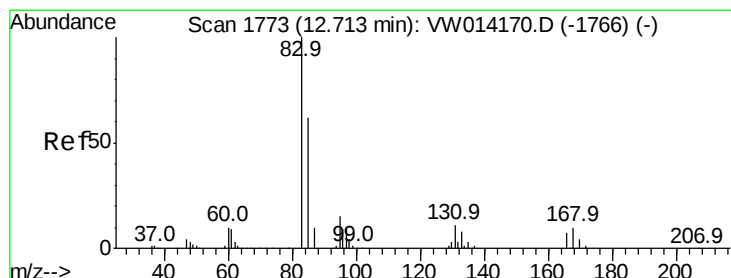
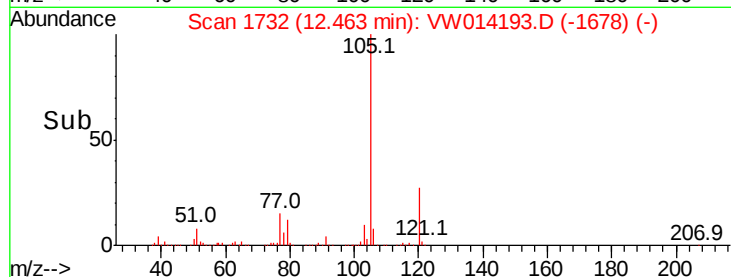
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

12.46

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 27.315 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

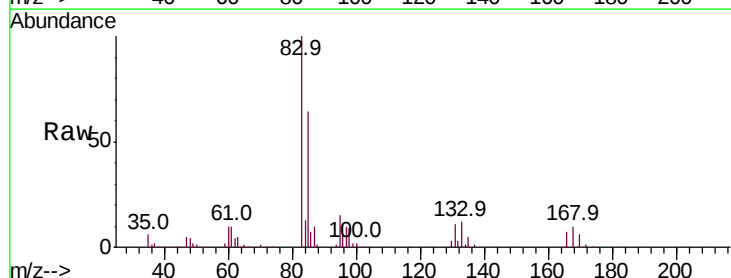
Tgt Ion: 83 Resp: 126187

Ion Ratio Lower Upper

83 100

85 64.0 43.7 81.1

131 11.2 8.2 12.2



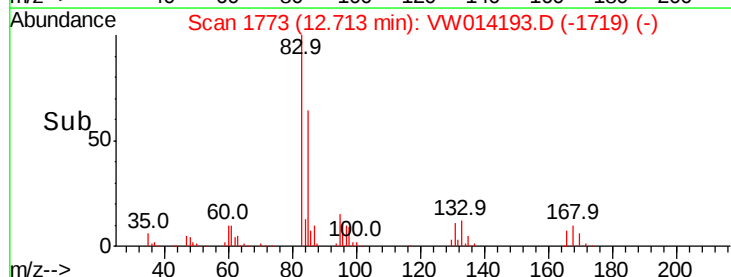
Abundance Ion 83.00 (82.70 to 83.70): V

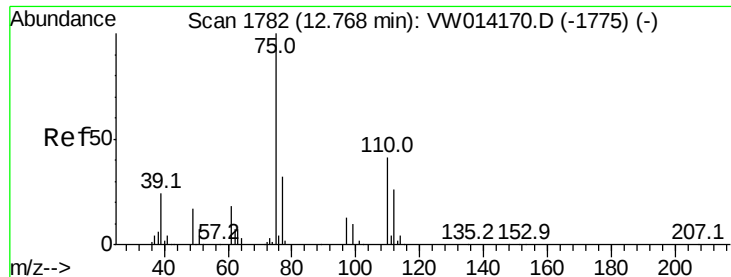
Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

12.71

Time-->





#59

1,2,3-Trichloropropane

Concen: 25.858 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

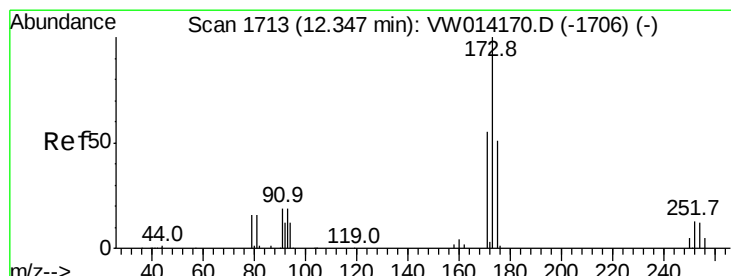
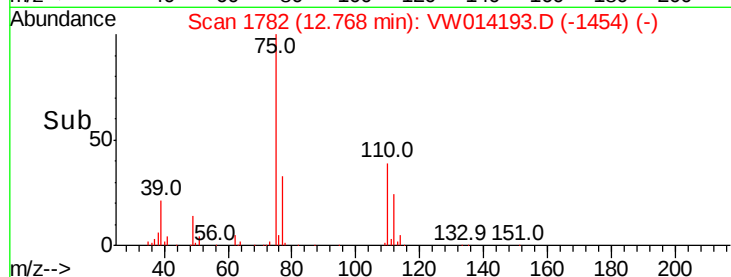
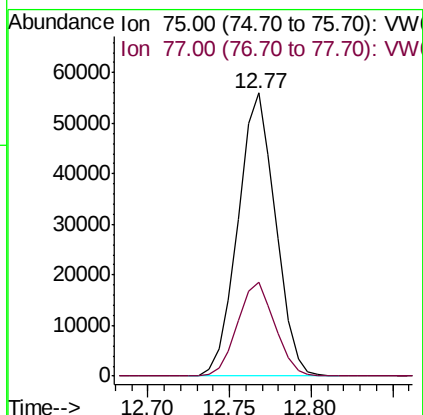
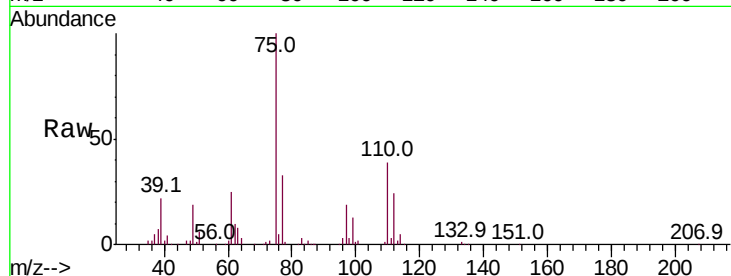
ClientSampleId :

Tot Ion: 75 Resp: 89841

Ion Ratio Lower Upper

75 100

77 33.2 25.9 38.9



#62

Bromoform

Concen: 26.189 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

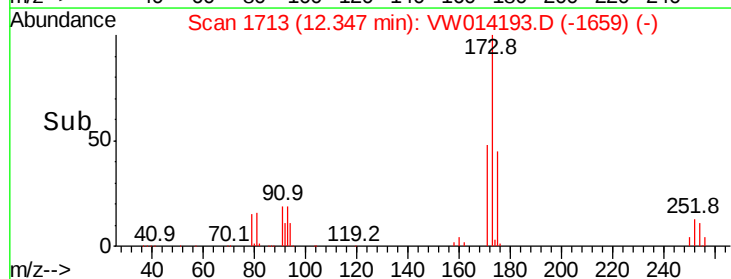
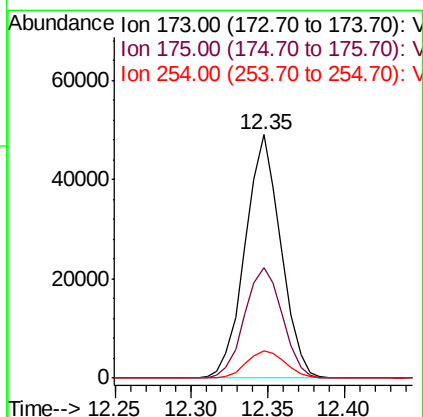
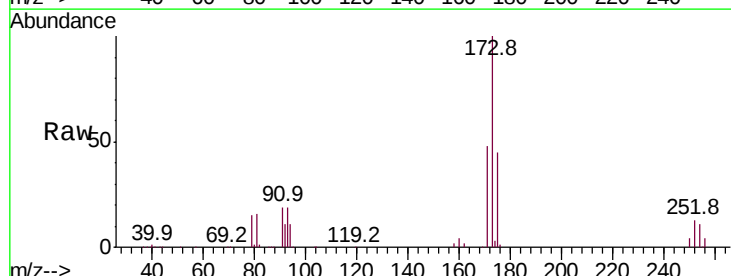
Tgt Ion: 173 Resp: 79581

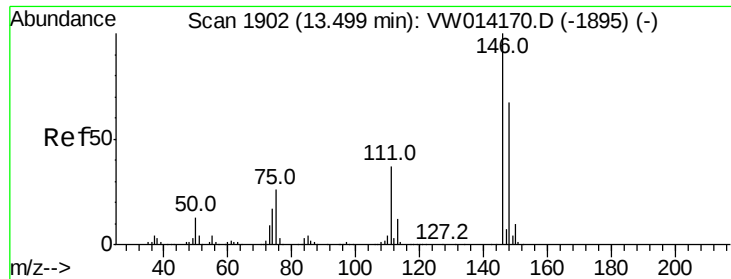
Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

254 12.2 9.4 14.0

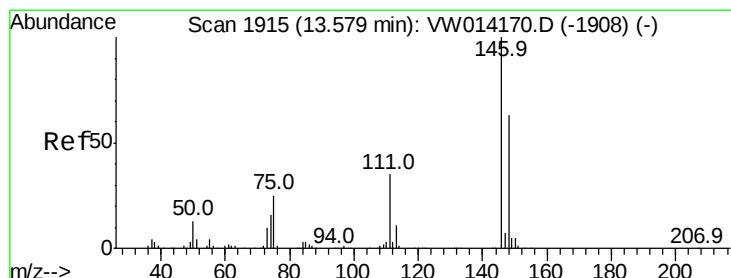
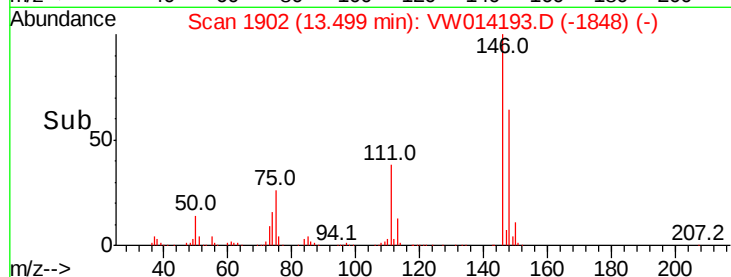
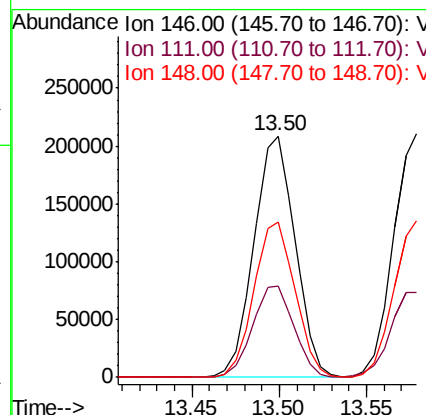
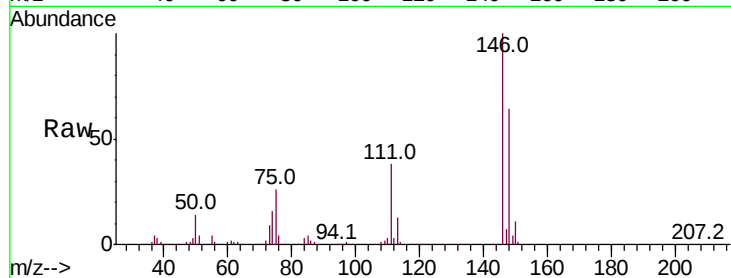




#63
 1,3-Dichlorobenzene
 Concen: 26.301 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014193.D
 Acq: 02 Dec 2019 09:36

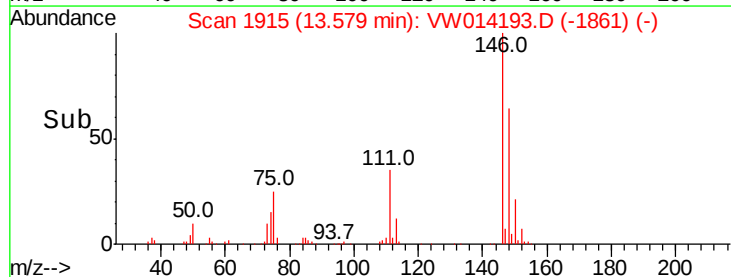
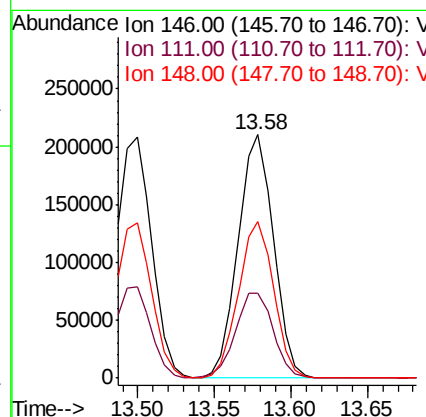
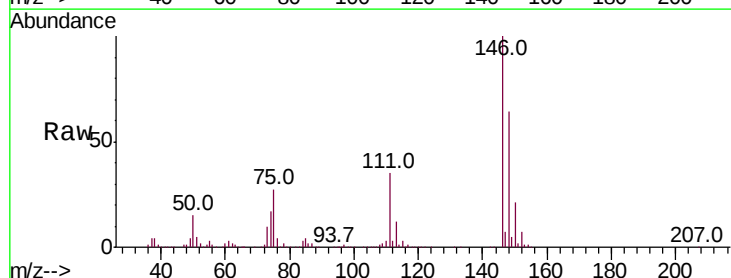
Instrument :
 MSVOA_W
 ClientSampleId :

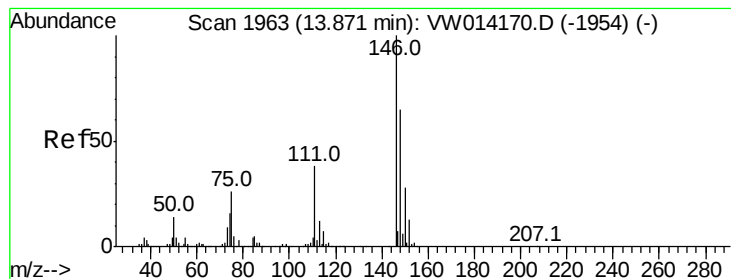
Tot Ion:146 Resp: 342435
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.0 48.2
 148 64.3 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.363 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014193.D
 Acq: 02 Dec 2019 09:36

Tgt Ion:146 Resp: 339125
 Ion Ratio Lower Upper
 146 100
 111 34.9 24.9 46.3
 148 64.3 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 26.780 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

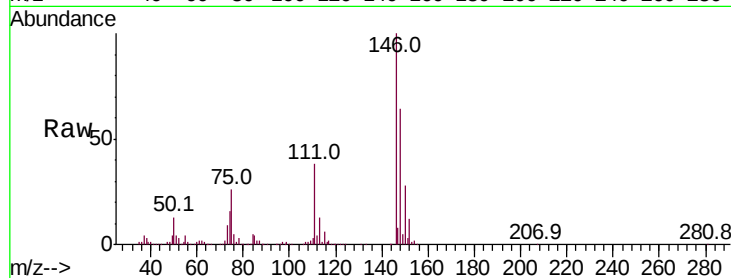
Tot Ion:146 Resp: 308752

Ion Ratio Lower Upper

146 100

111 37.9 30.5 45.7

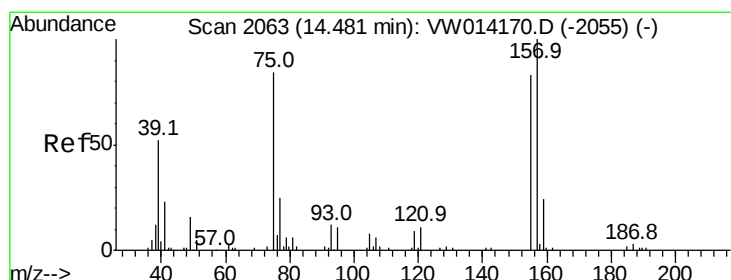
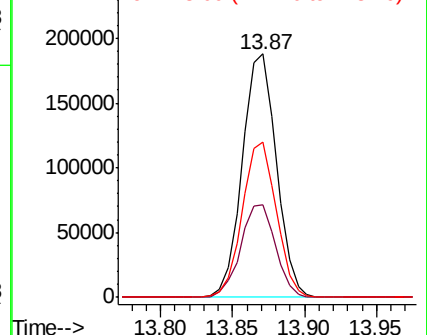
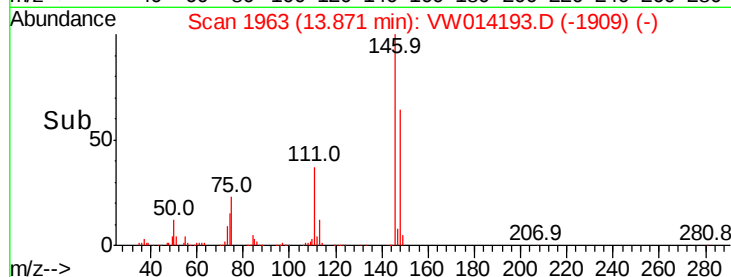
148 63.8 49.4 74.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 22.854 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

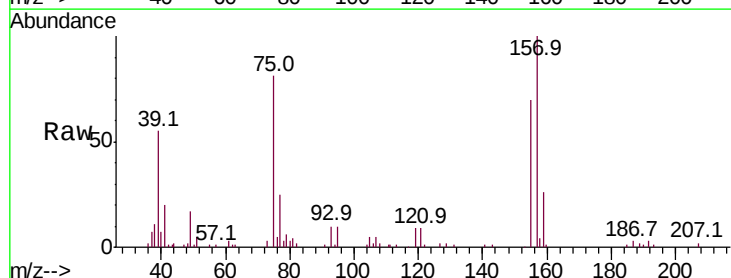
Tgt Ion: 75 Resp: 17944

Ion Ratio Lower Upper

75 100

157 123.1 96.9 145.3

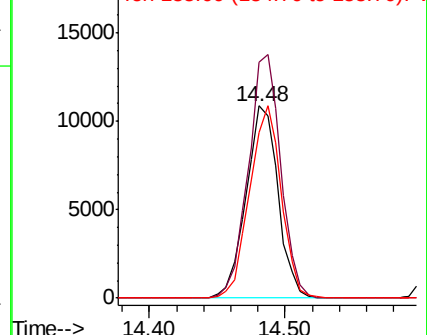
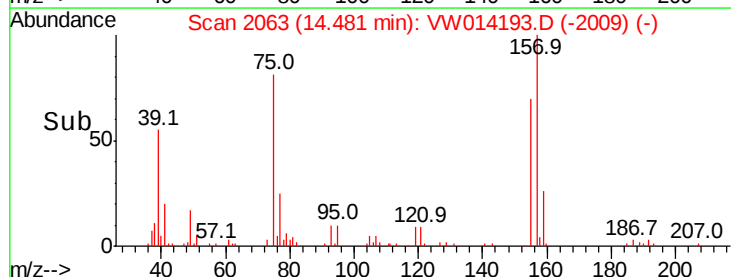
155 86.1 82.9 124.3

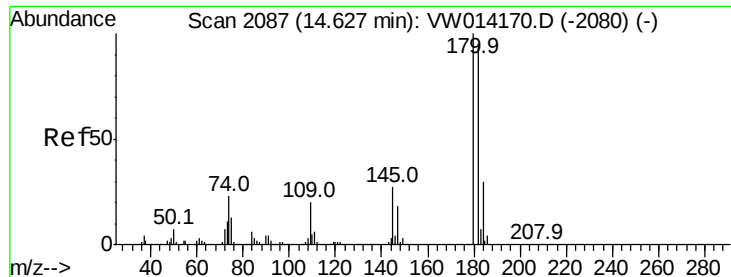


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

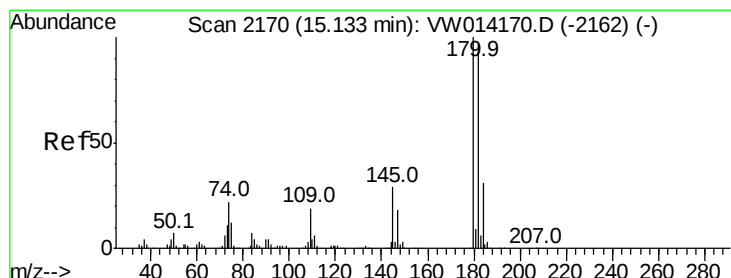
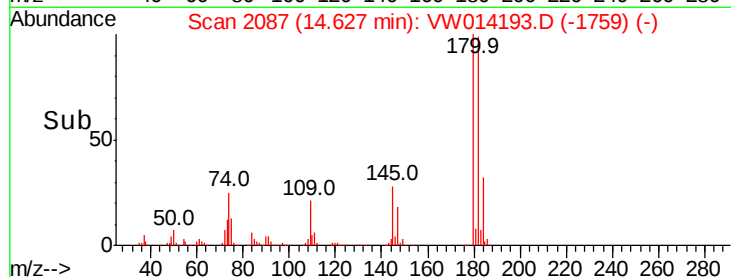
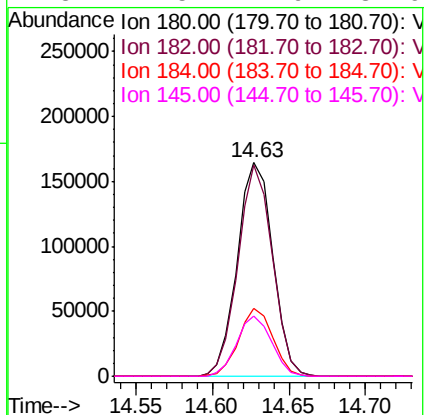
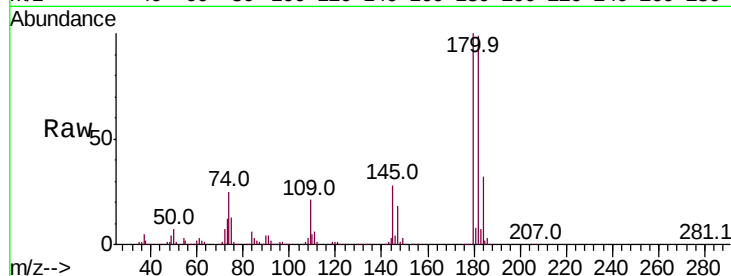




#67
 1,3,5-Trichlorobenzene
 Concen: 26.752 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014193.D
 Acq: 02 Dec 2019 09:36

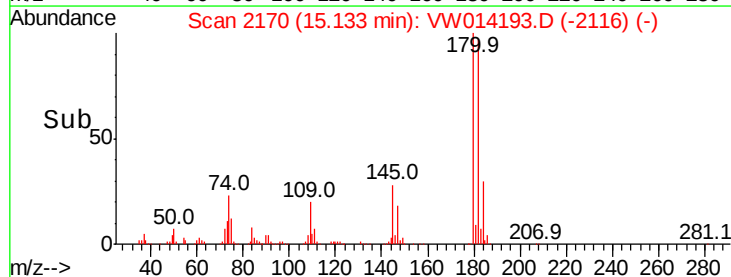
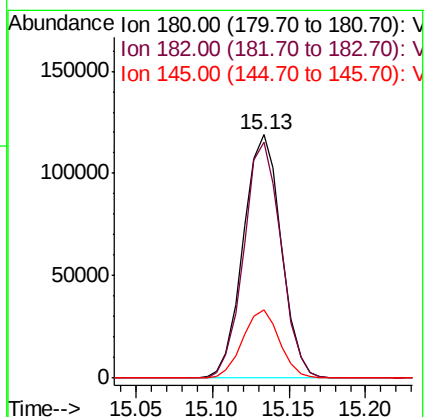
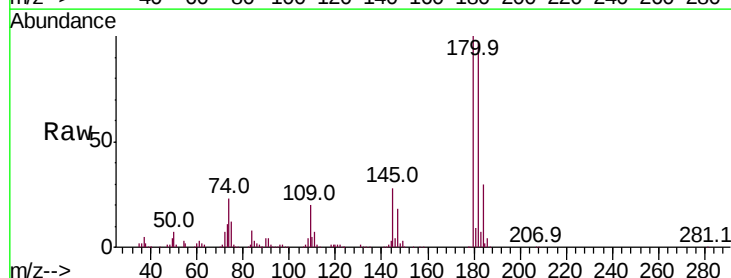
Instrument :
 MSVOA_W
 ClientSampleId :

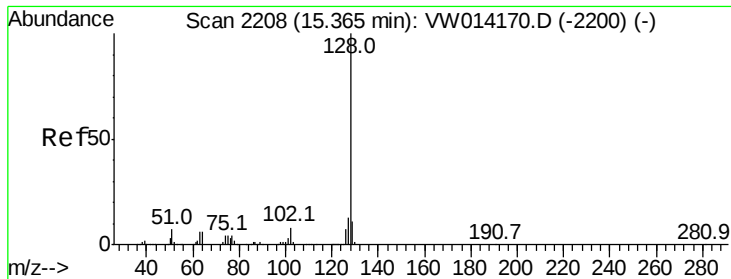
Tot Ion:	180	Resp:	265437
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
184	30.6	24.3	36.5
145	27.5	21.9	32.9



#68
 1,2,4-trichlorobenzene
 Concen: 26.254 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014193.D
 Acq: 02 Dec 2019 09:36

Tgt Ion:	180	Resp:	204829
Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
145	27.3	22.4	33.6





#69

Naphthalene

Concen: 23.726 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

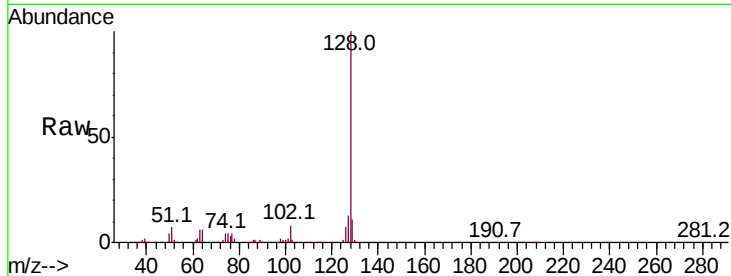
Tot Ion:128 Resp: 328851

Ion Ratio Lower Upper

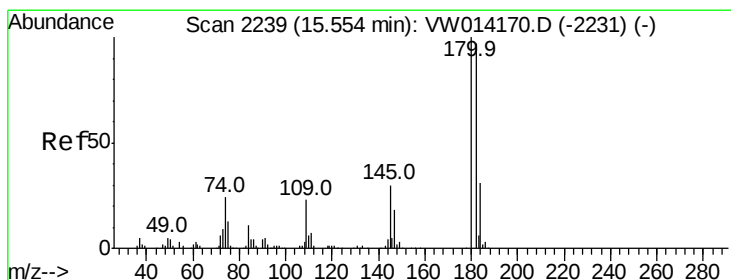
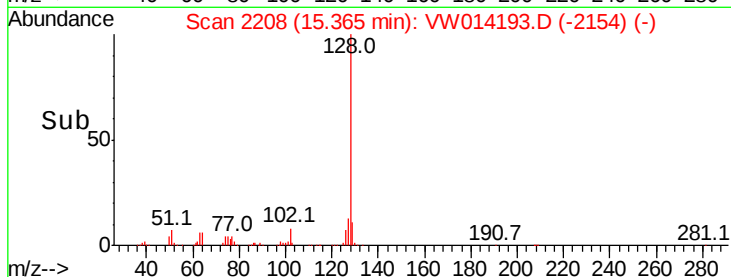
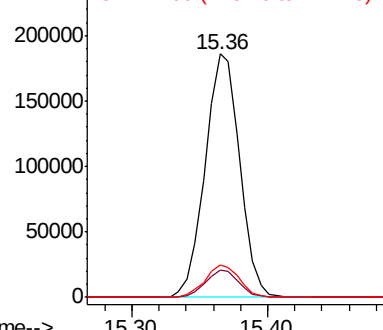
128 100

129 10.8 8.8 13.2

127 13.4 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: 25.382 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014193.D

Acq: 02 Dec 2019 09:36

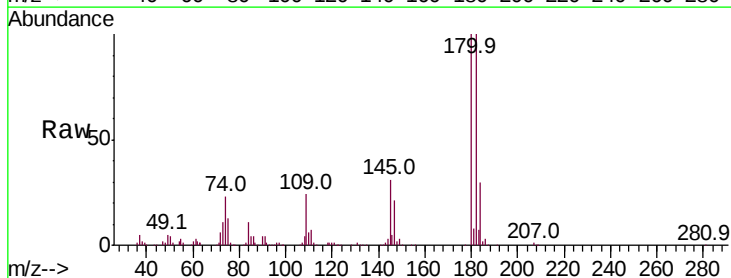
Tgt Ion:180 Resp: 174766

Ion Ratio Lower Upper

180 100

182 99.2 75.8 113.6

145 30.0 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

