

Data File : VW013803.D
Acq On : 29 Oct 2019 19:31
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Oct 30 07:03:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 06:58:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	313465	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	311036	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	187982	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	79821	20.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.00%
7) Chloroethane-d5	2.89	69	74391	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
10) 1,1-Dichloroethene-d2	4.03	63	189996	22.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.48%
20) 2-Butanone-d5	7.07	46	72736	52.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.76%
24) Chloroform-d	7.65	84	214984	24.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	8.31	65	111346	24.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.12%
29) Benzene-d6	8.27	84	414531	22.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.72%
33) 1,2-Dichloropropane-d6	9.27	67	131835	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.48%
37) Toluene-d8	10.32	98	387439	22.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.92%
38) trans-1,3-Dichloropropene-	10.58	79	56500	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.76%
39) 2-Hexanone-d5	10.92	63	57690	54.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117198	25.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	155699	23.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	68501	19.429 ug/L	95
3) Chloromethane	2.21	50	72172	18.910 ug/L	99
5) Vinyl chloride	2.37	62	120825	25.332 ug/L	99
6) Bromomethane	2.78	94	75686	21.961 ug/L	99
8) Chloroethane	2.93	64	71725	22.253 ug/L	97
9) Trichlorofluoromethane	3.26	101	58831	18.301 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	124098	24.515 ug/L	99
12) 1,1-Dichloroethene	4.04	96	120381	24.164 ug/L	95
13) Acetone	4.12	43	54960	35.999 ug/L	94
14) Carbon disulfide	4.39	76	342242	24.009 ug/L	99
15) Methyl Acetate	4.67	43	59699	23.932 ug/L	99
16) Methylene chloride	4.92	84	131209	21.859 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	164262	23.830 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	130965	23.781 ug/L	96
19) 1,1-Dichloroethane	6.21	63	227062	24.358 ug/L	96
21) 2-Butanone	7.17	43	84129	43.401 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	143358	24.252 ug/L	98

Data File : VW013803.D
Acq On : 29 Oct 2019 19:31
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Oct 30 07:03:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 06:58:53 2019
Response via : Initial Calibration

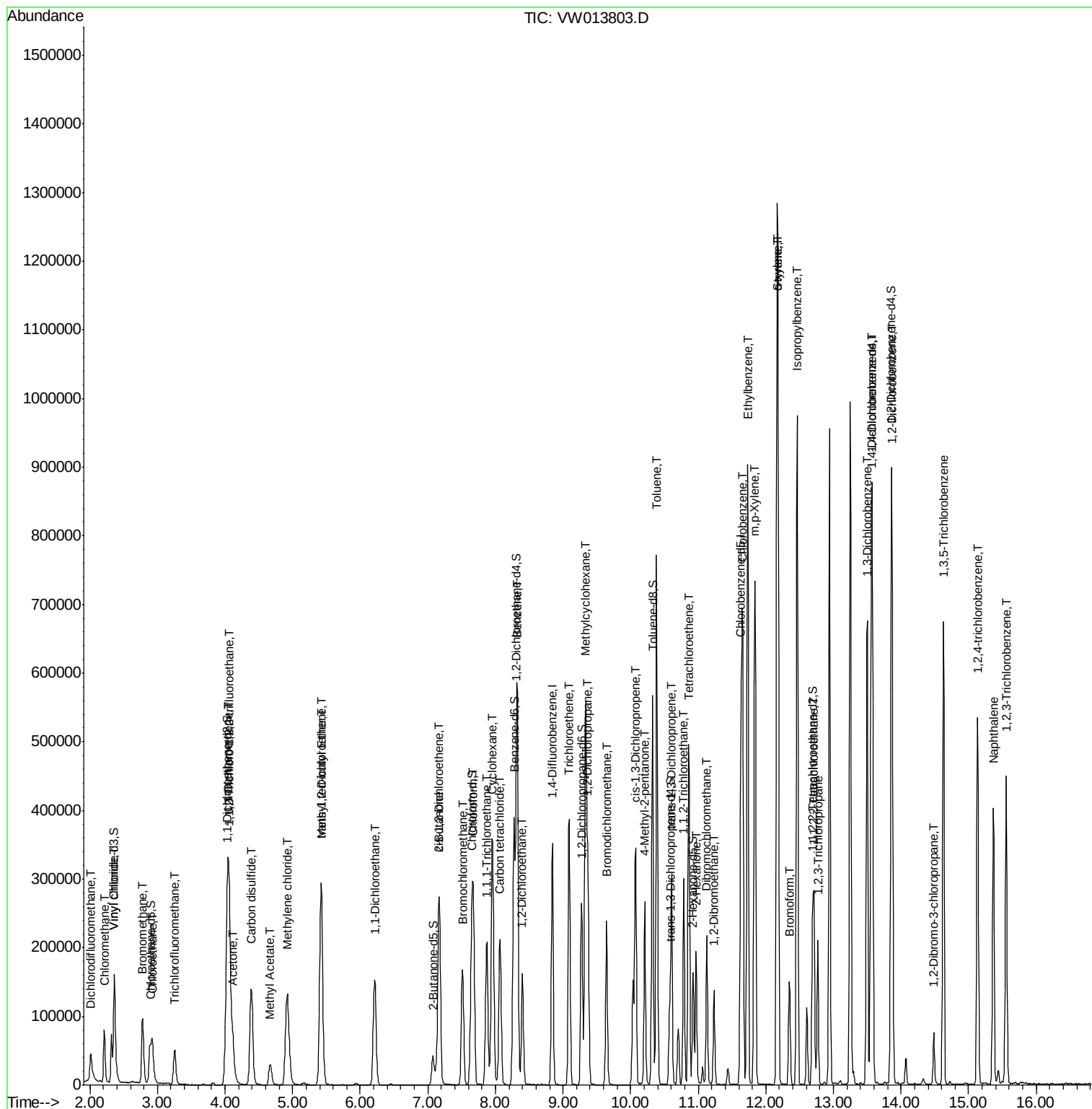
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	63780	23.872	ug/L	98
25) Chloroform	7.67	83	226198	24.157	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146419	24.397	ug/L	98
30) Cyclohexane	7.95	56	218889	24.021	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	177578	24.478	ug/L	98
32) Carbon tetrachloride	8.07	117	169573	24.005	ug/L	99
34) Benzene	8.32	78	530596	23.775	ug/L	100
35) Trichloroethene	9.09	95	138708	24.225	ug/L	98
36) Methylcyclohexane	9.34	83	236127	23.397	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131683	24.132	ug/L	100
41) Bromodichloromethane	9.64	83	161993	24.228	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	207505	24.086	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	170566	45.815	ug/L	100
44) Toluene	10.38	91	579152	24.154	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	167260	24.052	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	99855	23.727	ug/L	97
47) Tetrachloroethene	10.86	164	125021	23.853	ug/L	98
49) 2-Hexanone	10.97	43	120696	45.697	ug/L	98
50) Dibromochloromethane	11.13	129	119547	24.070	ug/L	97
51) 1,2-Dibromoethane	11.23	107	96296	23.530	ug/L	97
52) Chlorobenzene	11.66	112	368160	23.998	ug/L	99
53) Ethylbenzene	11.73	91	645898	24.381	ug/L	97
54) m,p-Xylene	11.83	106	251035	24.521	ug/L	99
55) o-xylene	12.16	106	237745	24.472	ug/L	95
56) Styrene	12.18	104	415077	24.975	ug/L	100
57) Isopropylbenzene	12.46	105	639759	24.550	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	120245	24.378	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	89133	24.232	ug/L	98
62) Bromoform	12.35	173	74188	23.028	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	307112	24.077	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	303028	23.641	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	280426	24.264	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	18424	23.193	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	228856	24.134	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	192379	23.897	ug/L	99
69) Naphthalene	15.36	128	354327	24.290	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	171973	23.854	ug/L	100

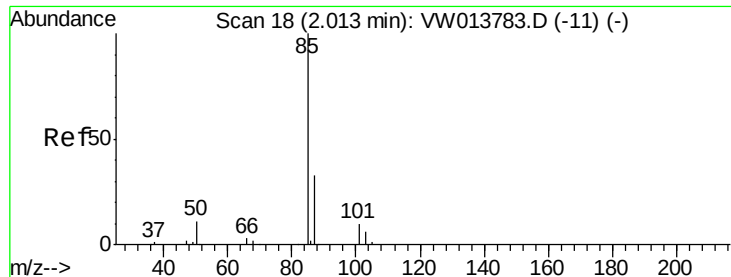
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW013803.D
Acq On : 29 Oct 2019 19:31
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02508

Quant Time: Oct 30 07:03:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 30 06:58:53 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 19.429 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

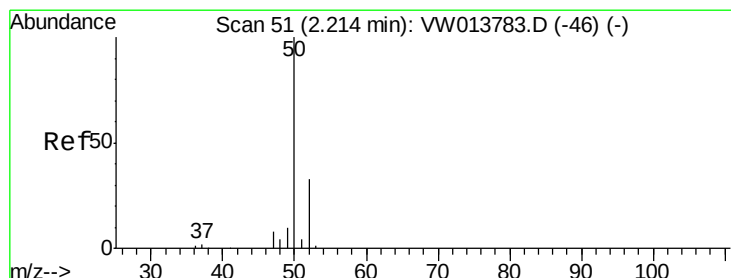
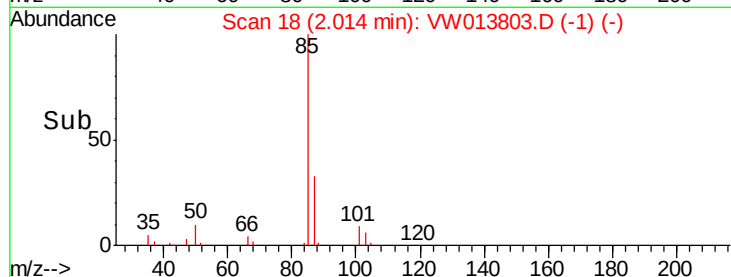
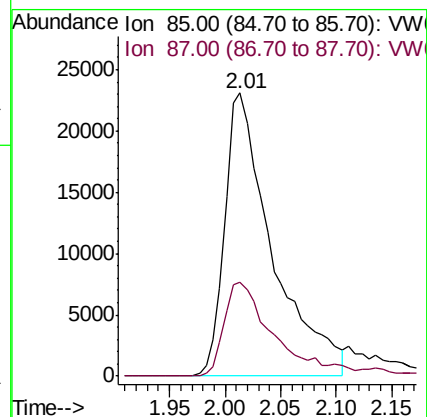
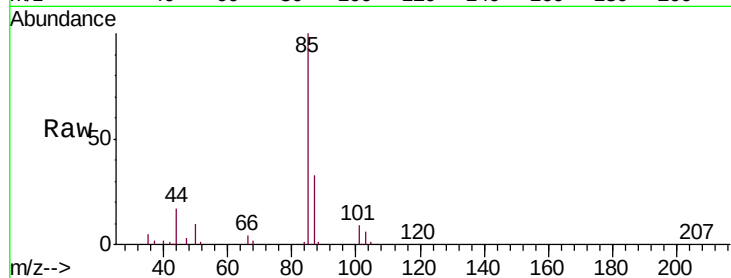
VSTD02508

Tgt Ion: 85 Resp: 68501

Ion Ratio Lower Upper

85 100

87 31.3 20.2 37.4



#3

Chloromethane

Concen: 18.910 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013803.D

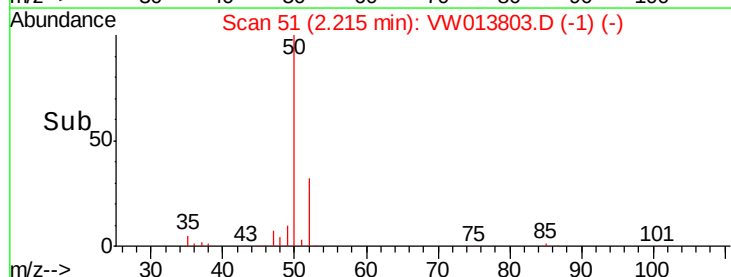
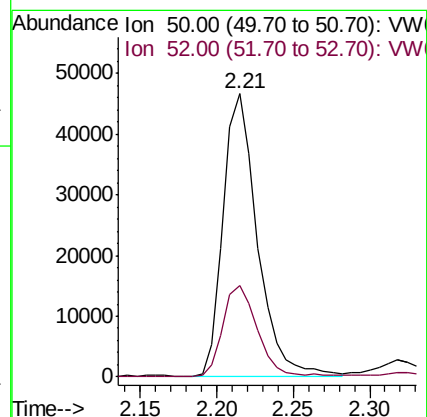
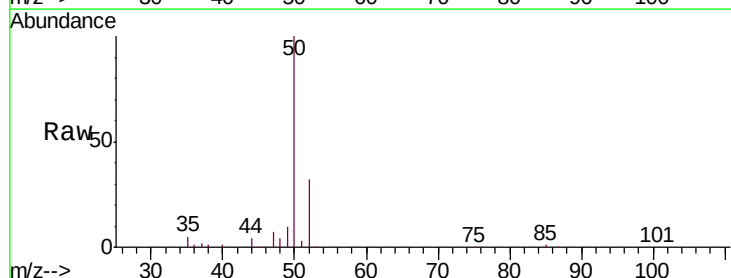
Acq: 29 Oct 2019 19:31

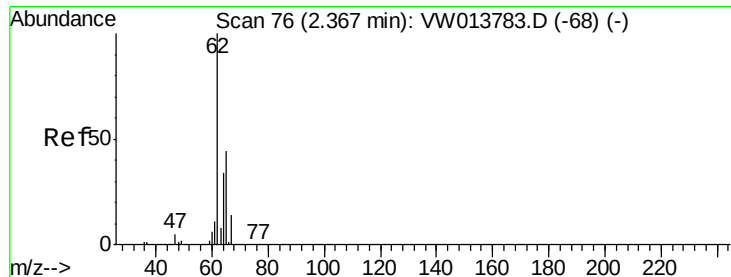
Tgt Ion: 50 Resp: 72172

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3





#5

Vinyl chloride

Concen: 25.332 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

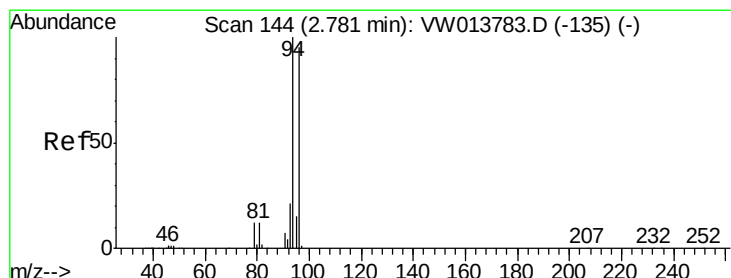
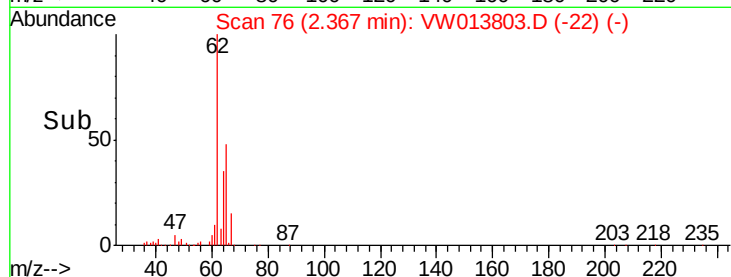
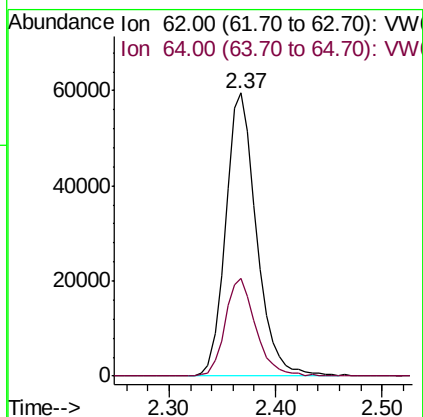
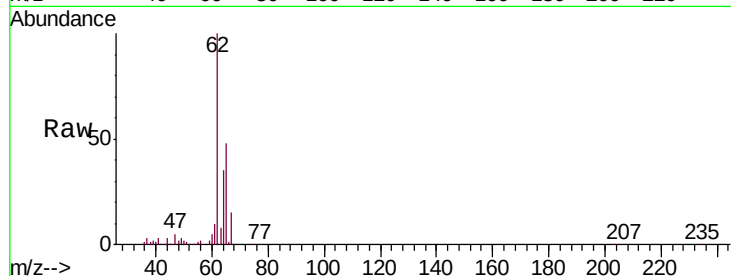
VSTD02508

Tgt Ion: 62 Resp: 120825

Ion Ratio Lower Upper

62 100

64 34.6 23.9 44.5



#6

Bromomethane

Concen: 21.961 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW013803.D

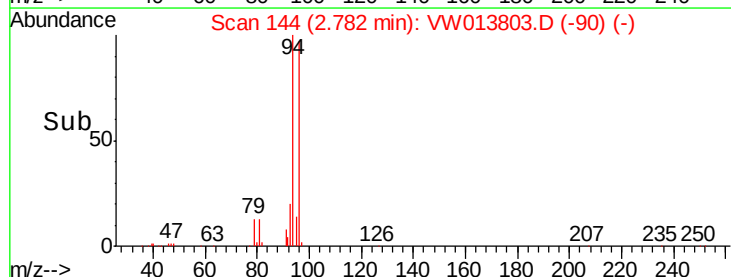
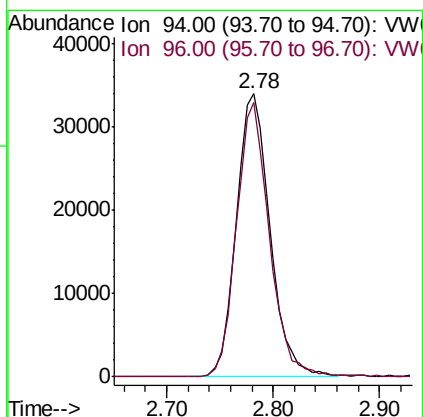
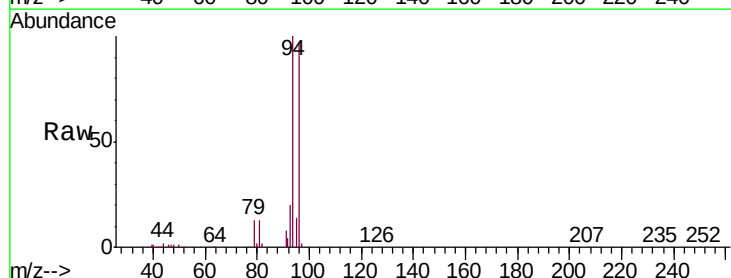
Acq: 29 Oct 2019 19:31

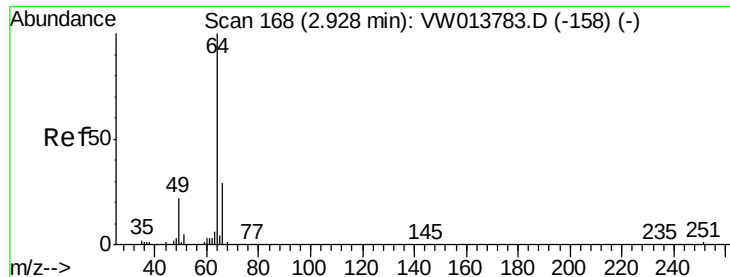
Tgt Ion: 94 Resp: 75686

Ion Ratio Lower Upper

94 100

96 94.4 9.3 176.9

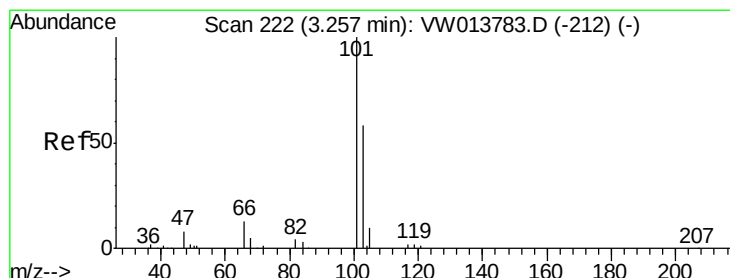
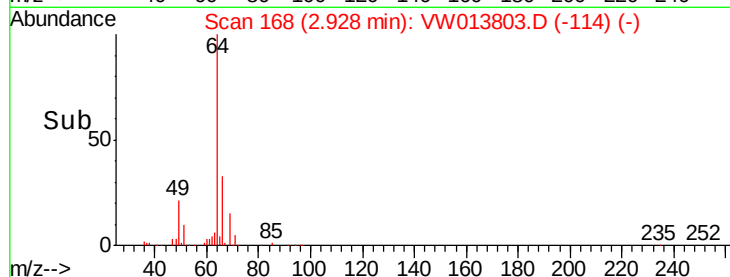
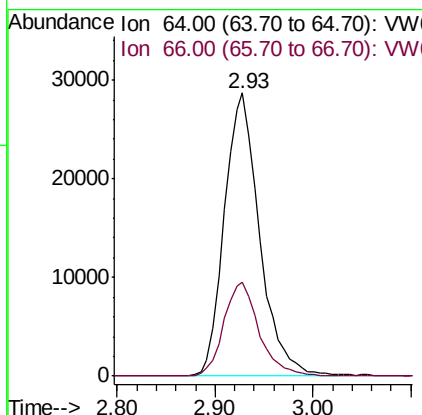
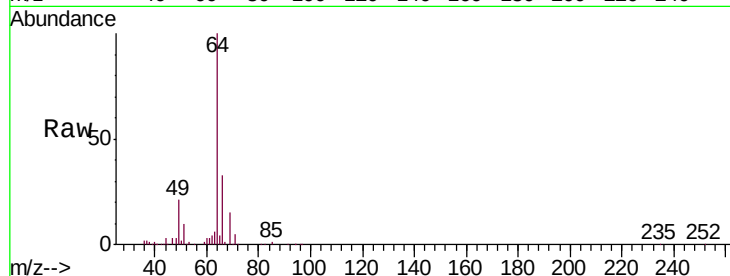




#8
Chloroethane
Concen: 22.253 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

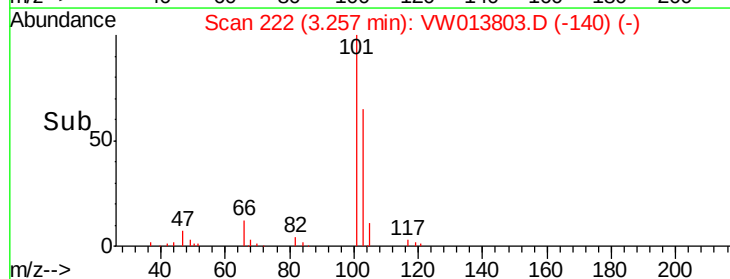
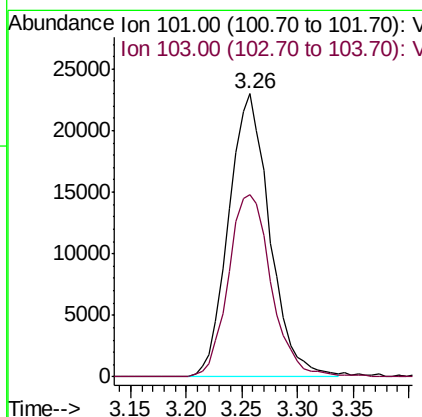
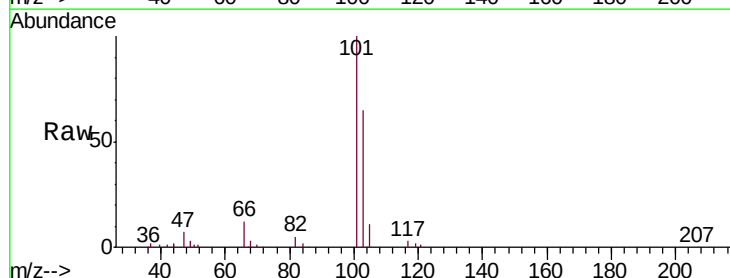
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

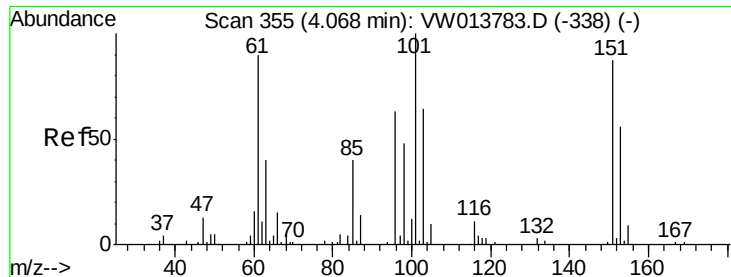
Tgt Ion: 64 Resp: 71725
Ion Ratio Lower Upper
64 100
66 33.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 18.301 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

Tgt Ion: 101 Resp: 58831
Ion Ratio Lower Upper
101 100
103 67.2 46.5 86.5





#11

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

Concen: 24.515 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

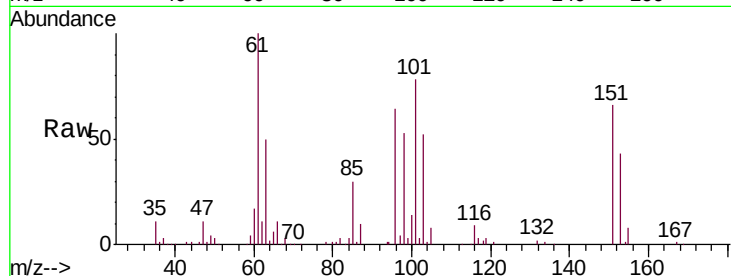
Tgt Ion: 101 Resp: 124098

Ion Ratio Lower Upper

101 100

85 40.6 32.0 48.0

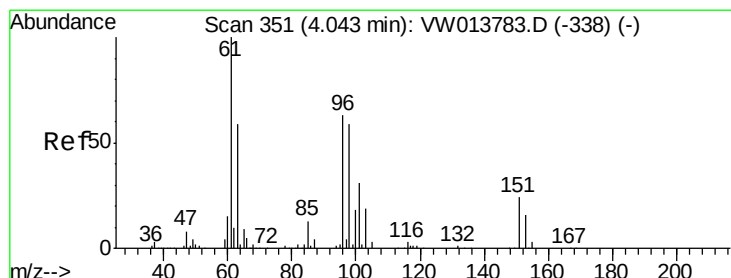
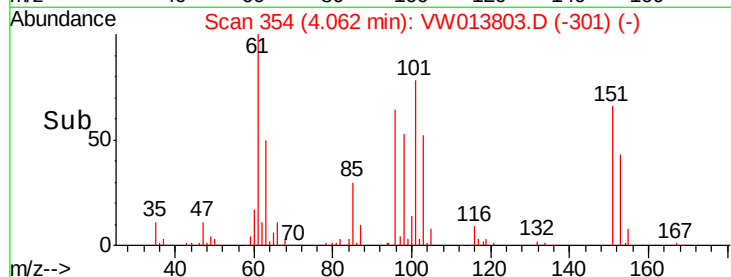
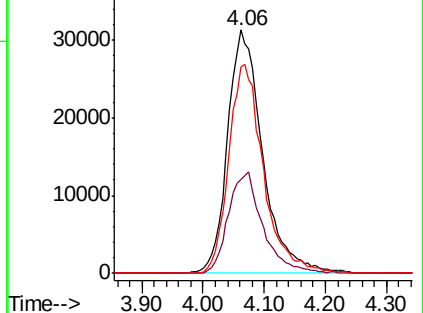
151 82.3 66.9 100.3



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: 24.164 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

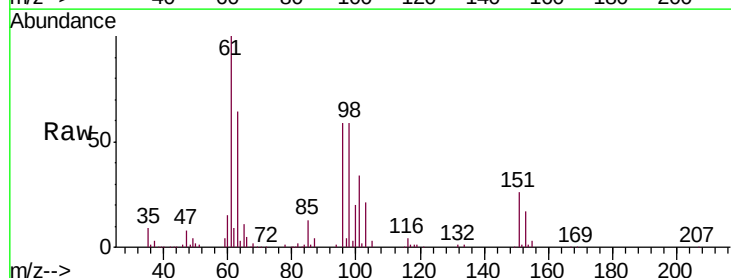
Tgt Ion: 96 Resp: 120381

Ion Ratio Lower Upper

96 100

61 168.9 112.7 209.3

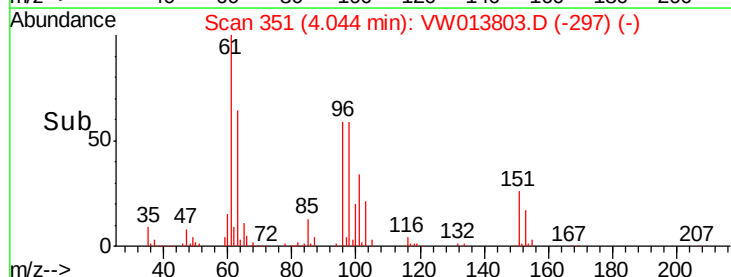
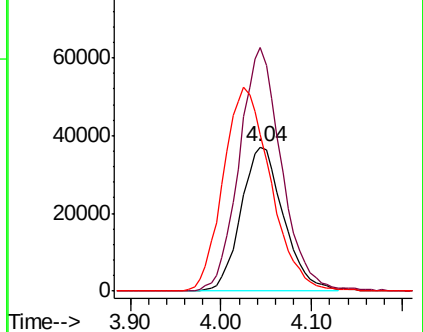
63 108.8 72.8 135.2

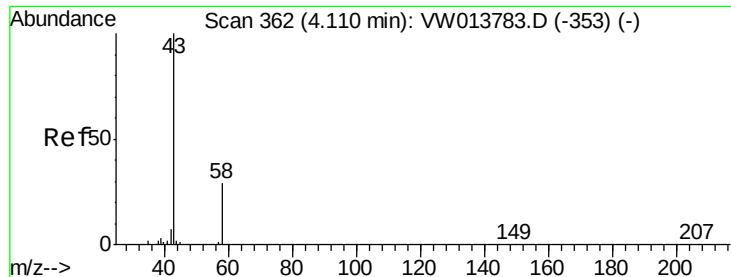


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 35.999 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

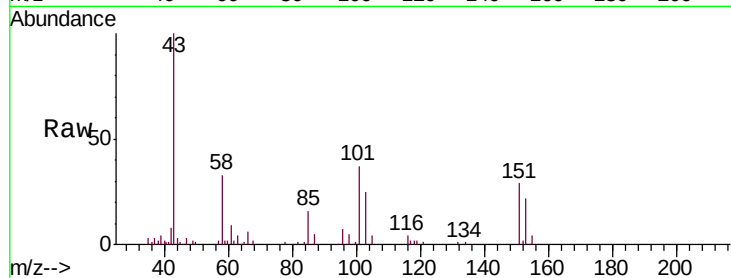
VSTD02508

Tgt Ion: 43 Resp: 54960

Ion Ratio Lower Upper

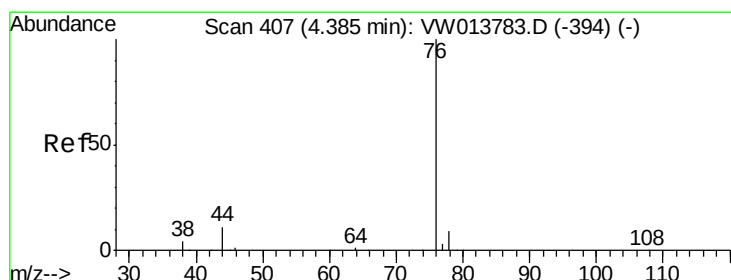
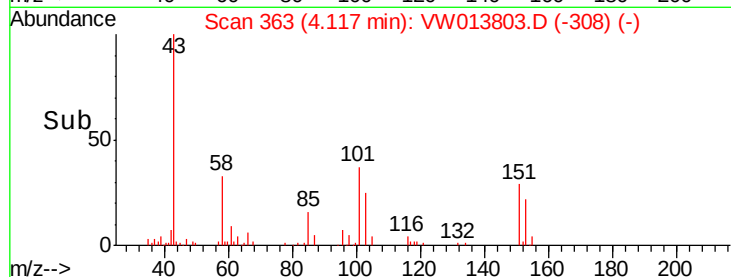
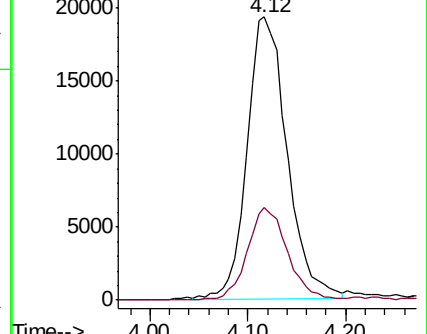
43 100

58 31.6 0.0 70.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.009 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013803.D

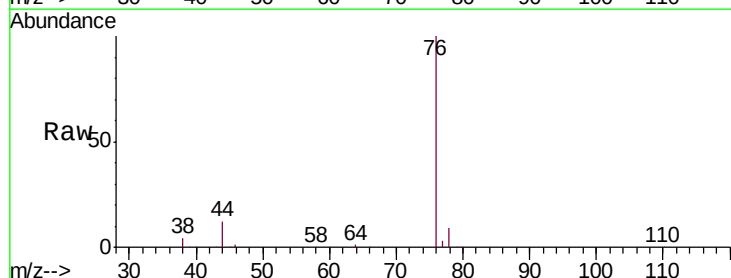
Acq: 29 Oct 2019 19:31

Tgt Ion: 76 Resp: 342242

Ion Ratio Lower Upper

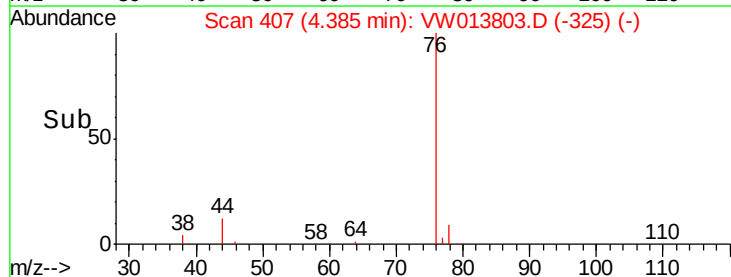
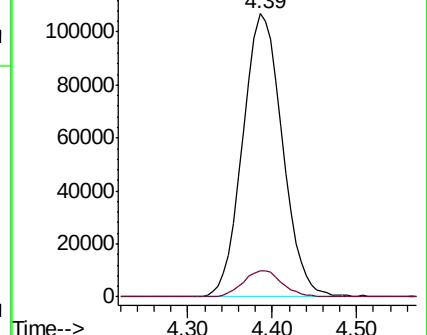
76 100

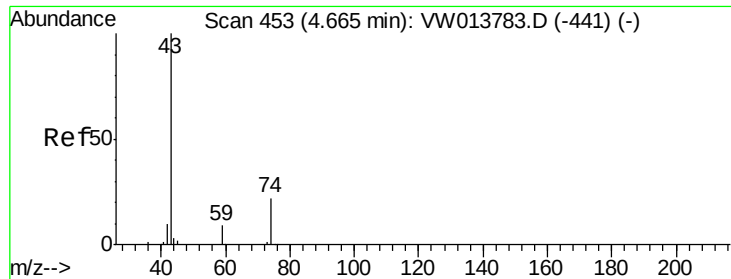
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

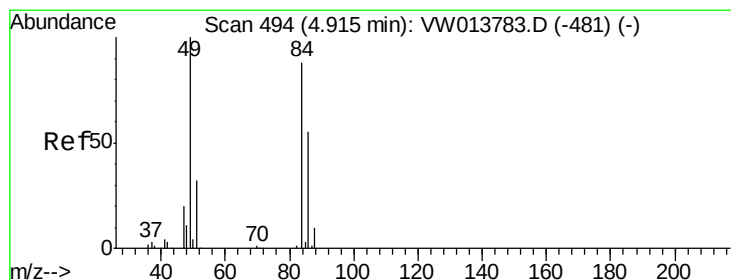
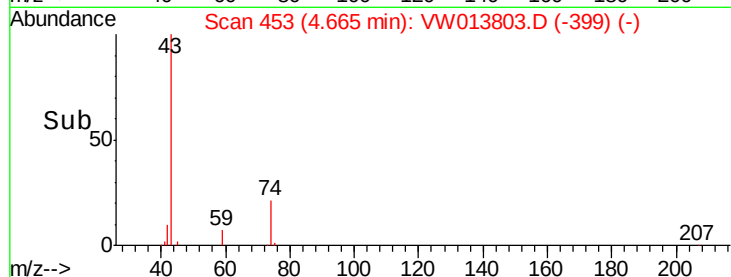
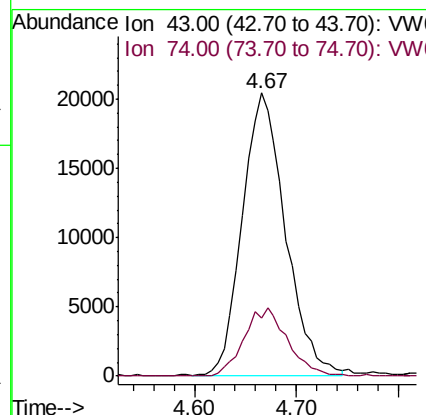
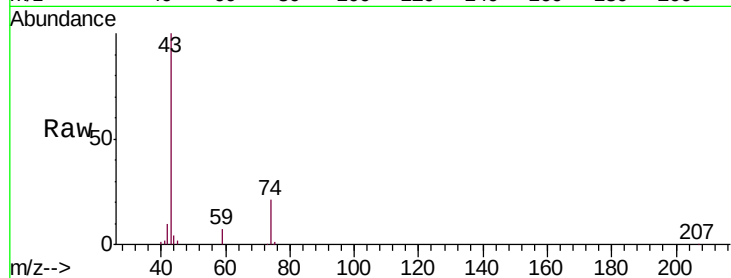




#15
Methyl Acetate
Concen: 23.932 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

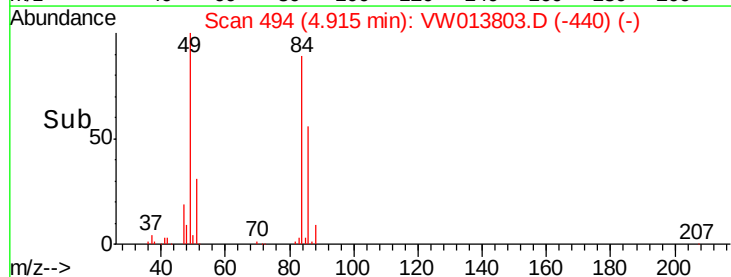
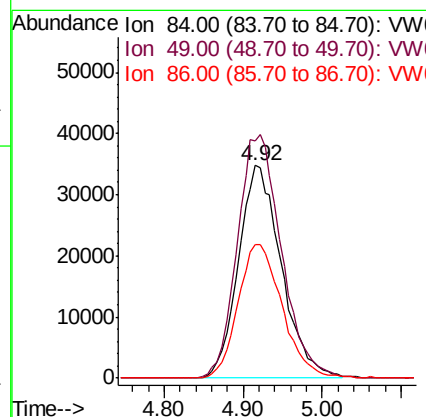
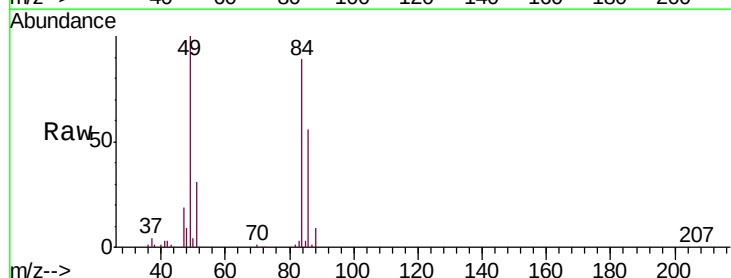
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

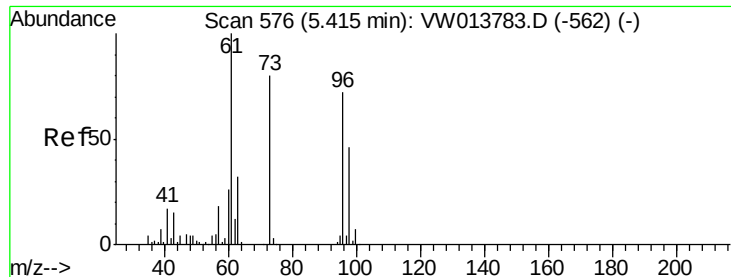
Tgt Ion: 43 Resp: 59699
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8



#16
Methylene chloride
Concen: 21.859 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

Tgt Ion: 84 Resp: 131209
Ion Ratio Lower Upper
84 100
49 111.8 80.2 148.9
86 62.8 42.7 79.3

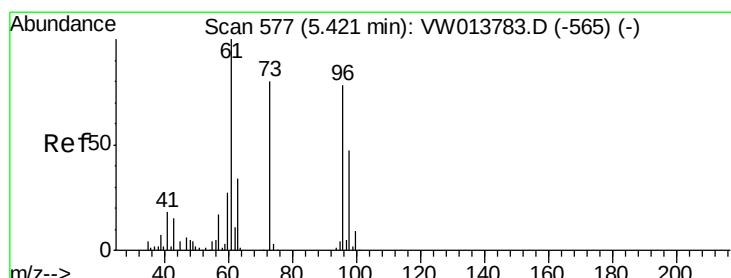
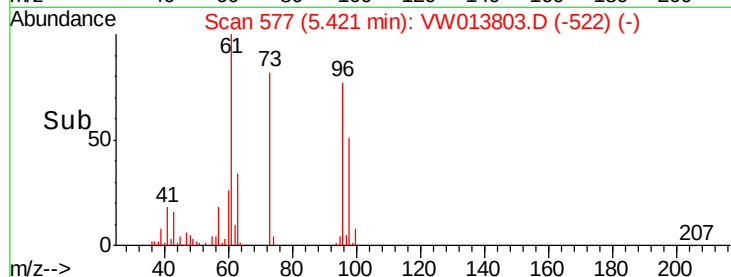
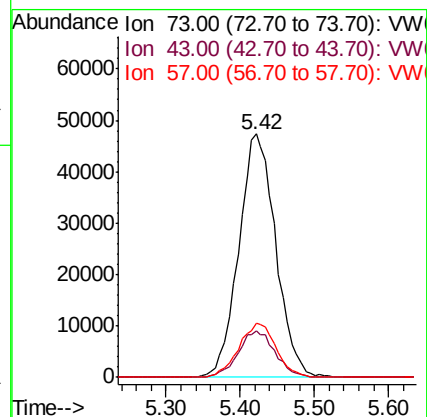
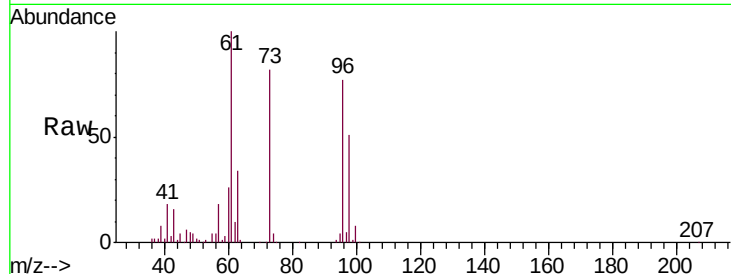




#17
Methyl tert-butyl Ether
Concen: 23.830 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

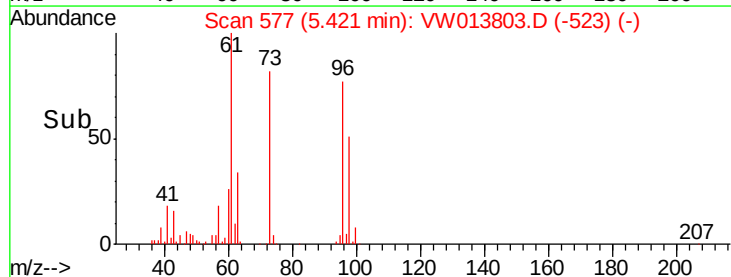
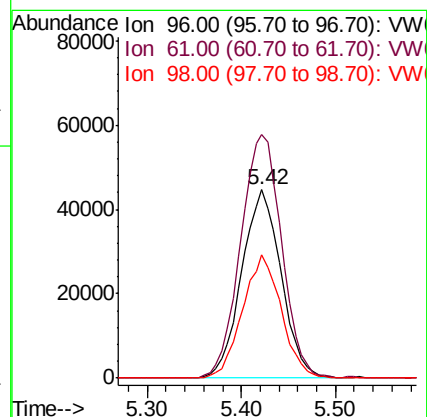
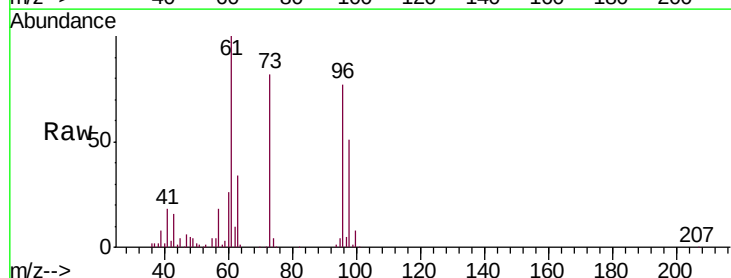
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

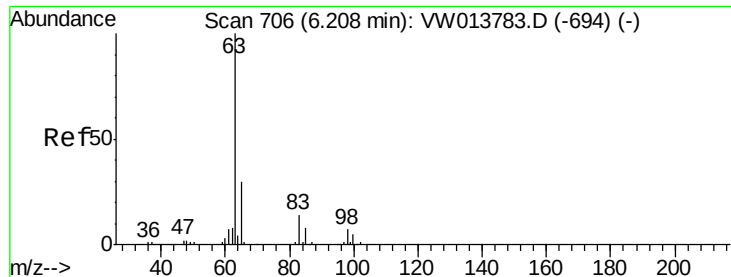
Tgt Ion: 73 Resp: 164262
Ion Ratio Lower Upper
73 100
43 19.0 15.4 23.2
57 22.4 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 23.781 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

Tgt Ion: 96 Resp: 130965
Ion Ratio Lower Upper
96 100
61 129.4 88.4 164.2
98 65.7 43.0 79.8

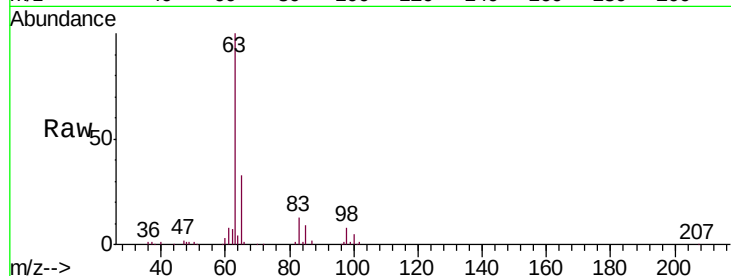




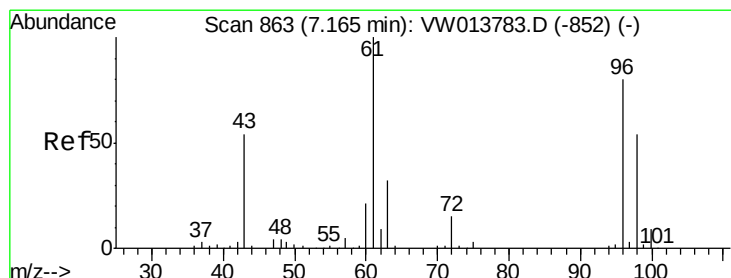
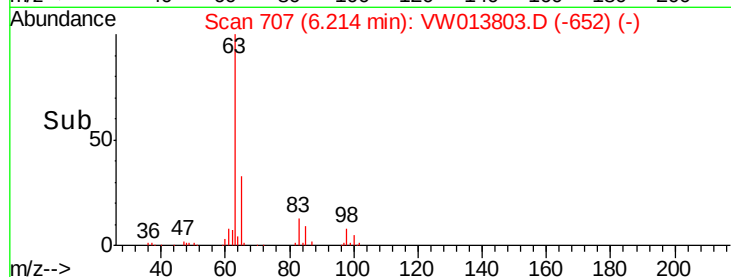
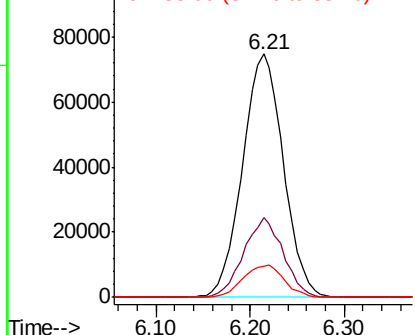
#19
 1,1-Dichloroethane
 Concen: 24.358 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion: 63 Resp: 227062
 Ion Ratio Lower Upper
 63 100
 65 32.5 20.9 38.7
 83 12.9 9.2 17.2

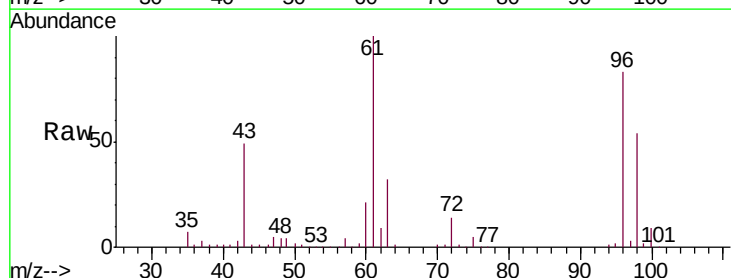


Abundance Ion 63.00 (62.70 to 63.70): VW
 Ion 65.00 (64.70 to 65.70): VW
 Ion 83.00 (82.70 to 83.70): VW

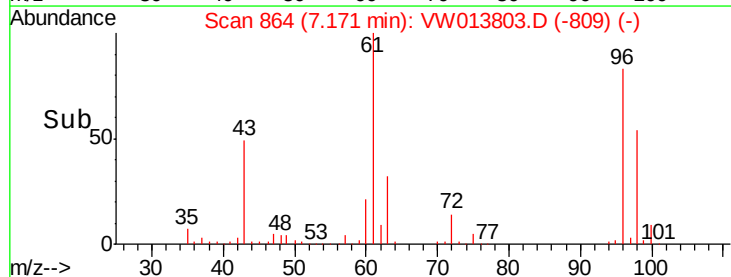
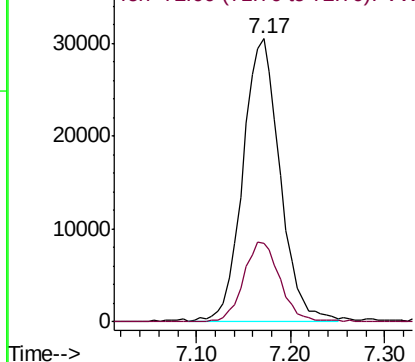


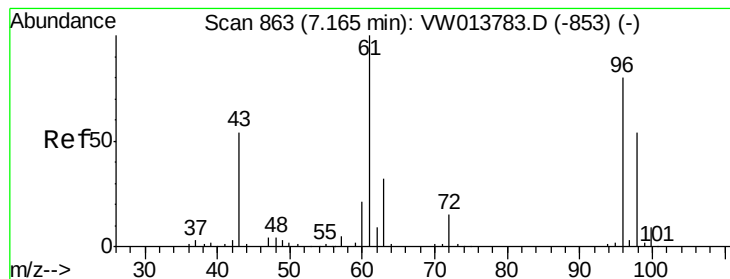
#21
 2-Butanone
 Concen: 43.401 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

Tgt Ion: 43 Resp: 84129
 Ion Ratio Lower Upper
 43 100
 72 27.6 13.7 41.1



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





#22

cis-1,2-Dichloroethene

Concen: 24.252 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

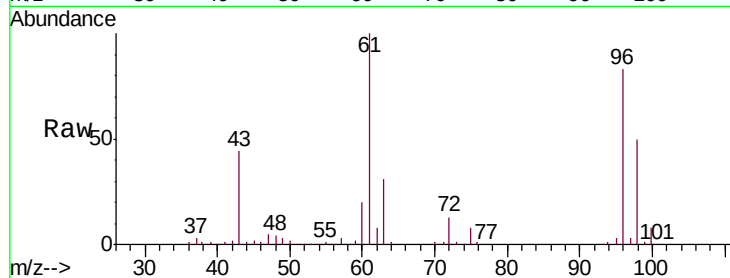
Tgt Ion: 96 Resp: 143358

Ion Ratio Lower Upper

96 100

61 120.8 86.2 160.0

98 60.5 43.0 79.8

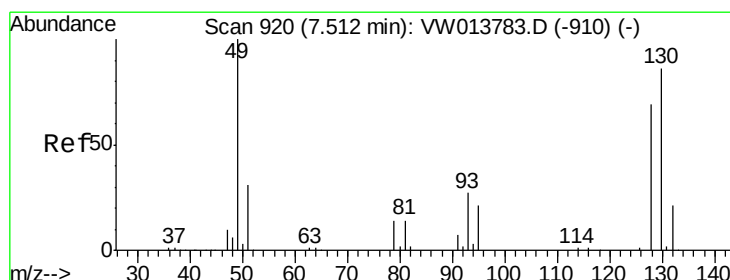
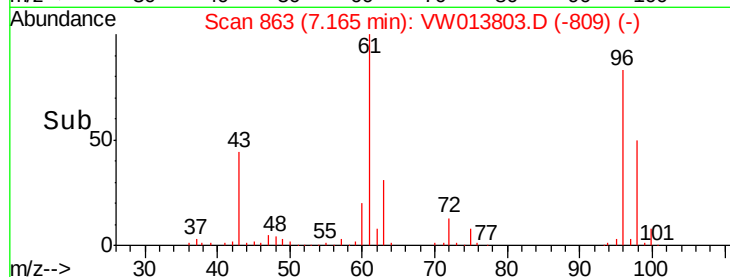
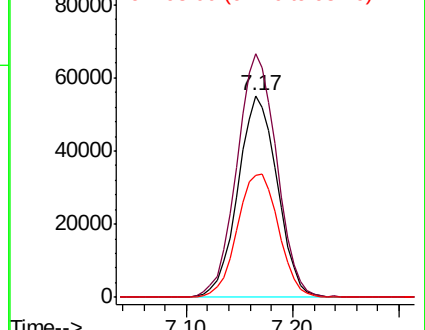


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 23.872 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Tgt Ion: 128 Resp: 63780

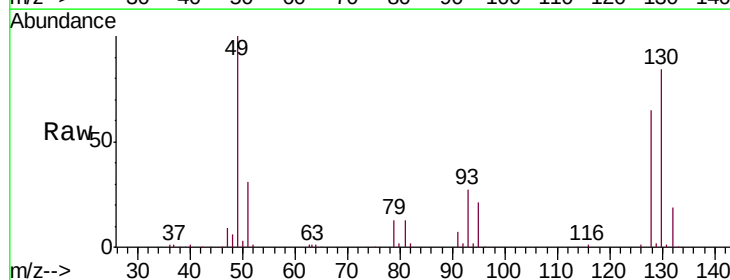
Ion Ratio Lower Upper

128 100

49 153.1 106.3 197.3

130 128.2 93.2 173.2

51 47.9 37.4 56.0



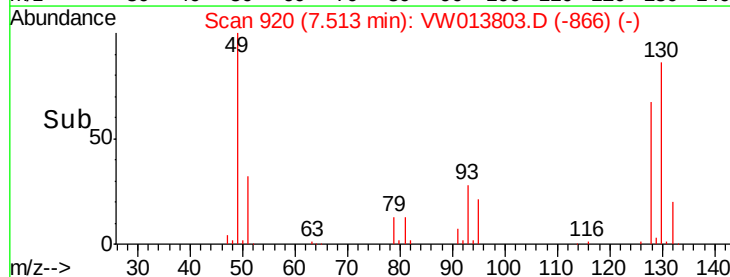
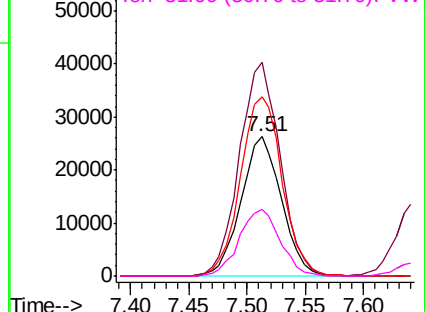
Abundance

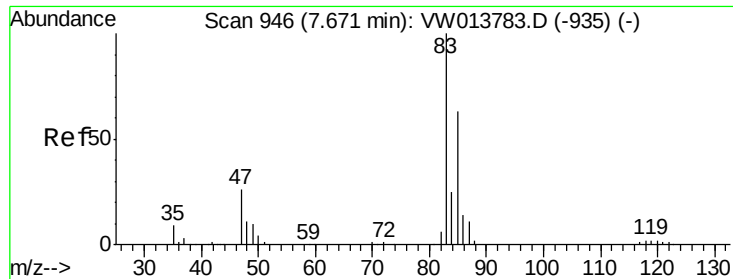
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW

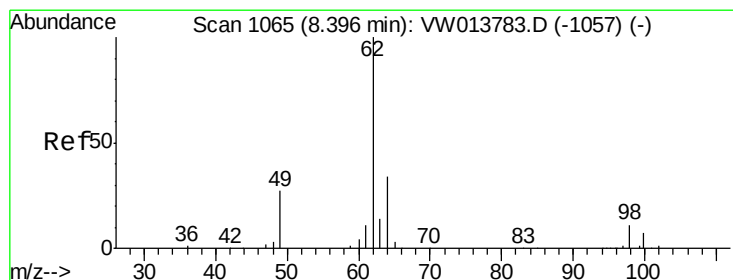
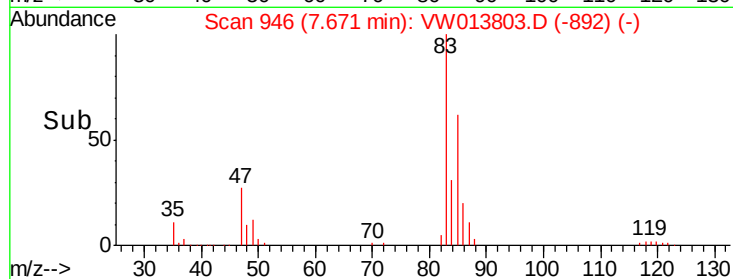
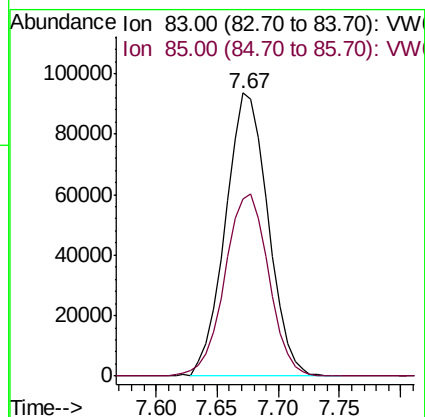
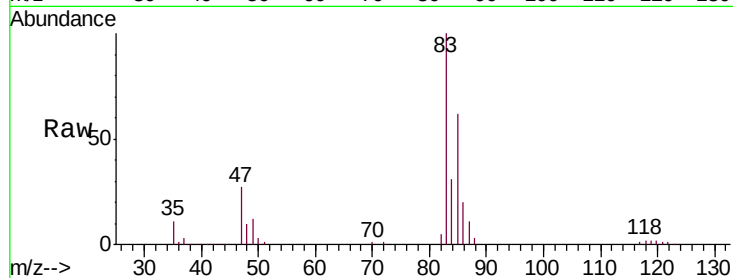




#25
Chloroform
Concen: 24.157 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

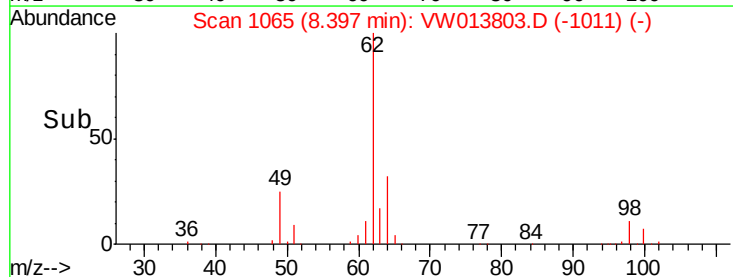
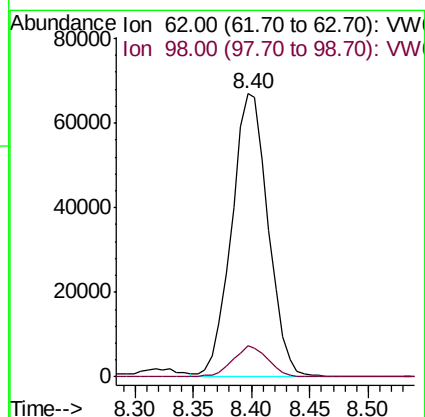
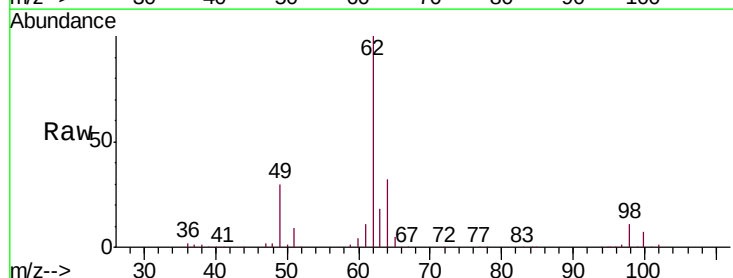
Instrument :
MSVOA_W
ClientSampled :
VSTD02508

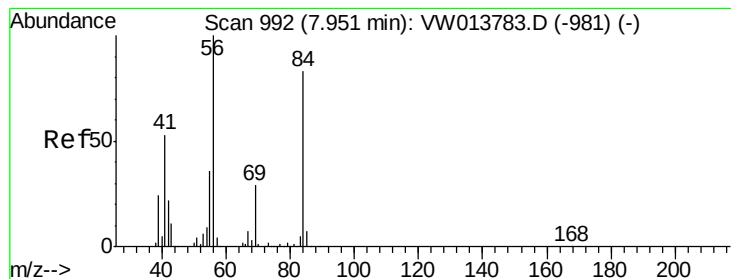
Tgt Ion: 83 Resp: 226198
Ion Ratio Lower Upper
83 100
85 66.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 24.397 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

Tgt Ion: 62 Resp: 146419
Ion Ratio Lower Upper
62 100
98 11.2 9.6 14.4





#30

Cyclohexane

Concen: 24.021 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

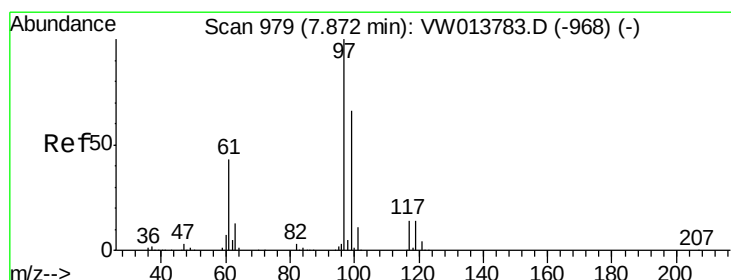
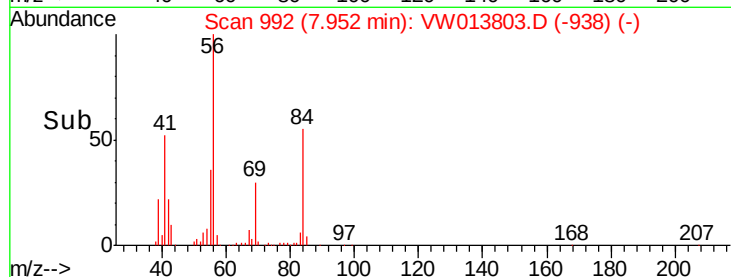
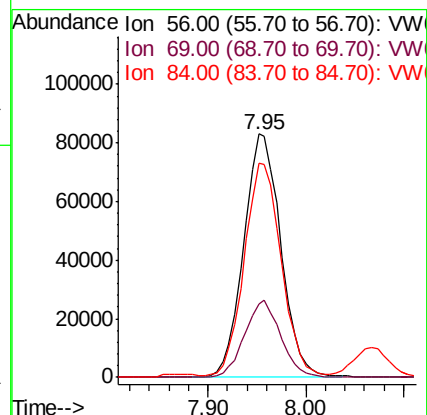
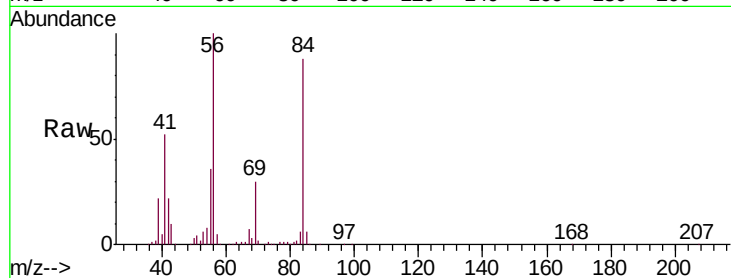
Tgt Ion: 56 Resp: 218889

Ion Ratio Lower Upper

56 100

69 30.7 24.6 37.0

84 87.9 71.1 106.7



#31

1,1,1-Trichloroethane

Concen: 24.478 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

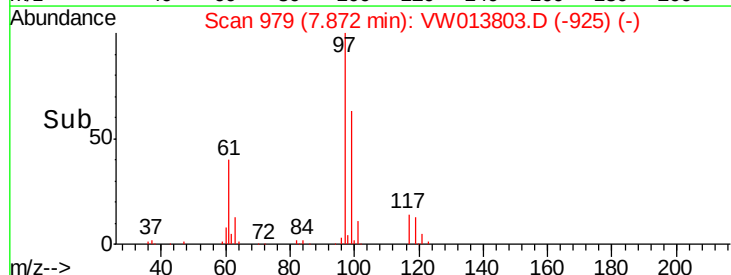
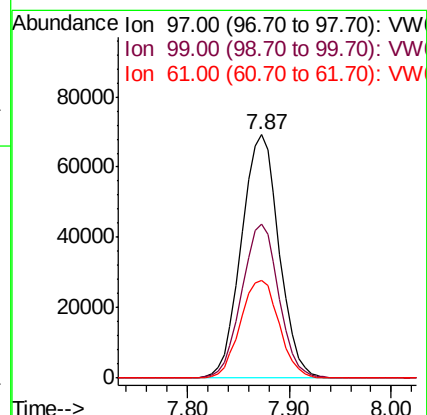
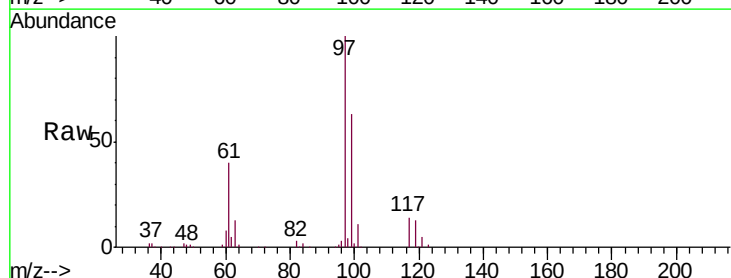
Tgt Ion: 97 Resp: 177578

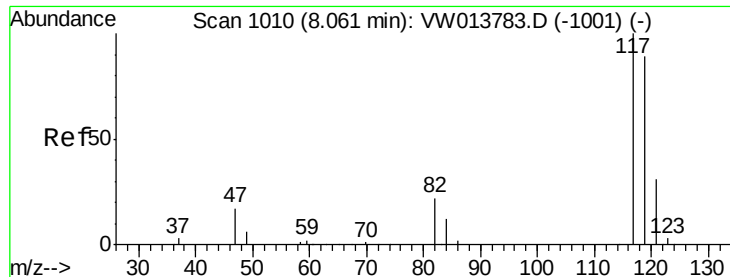
Ion Ratio Lower Upper

97 100

99 62.6 51.7 77.5

61 41.4 33.8 50.8





#32

Carbon tetrachloride

Concen: 24.005 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

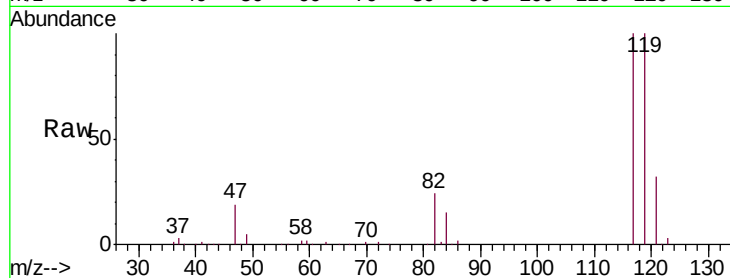
VSTD02508

Tgt Ion:117 Resp: 169573

Ion Ratio Lower Upper

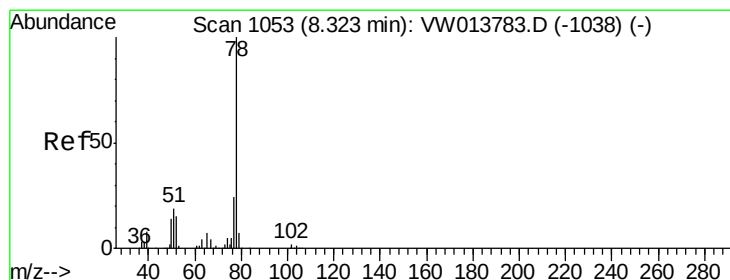
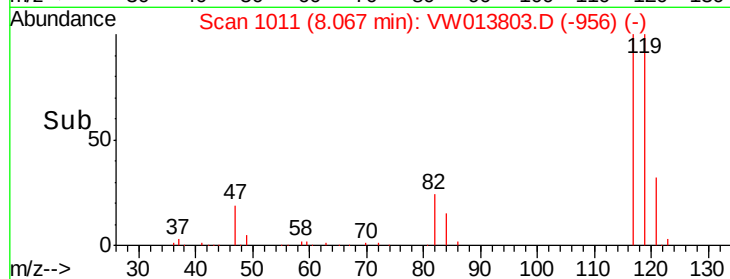
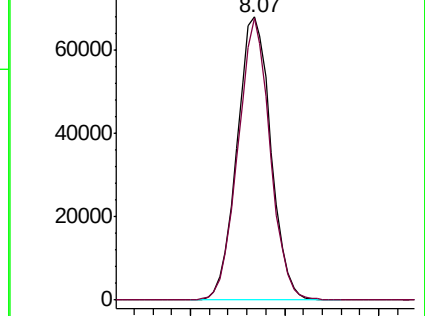
117 100

119 94.6 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.775 ug/L

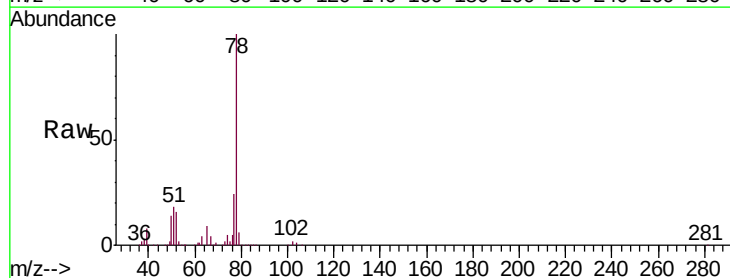
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

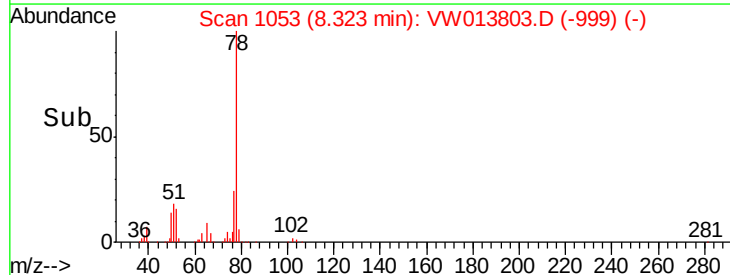
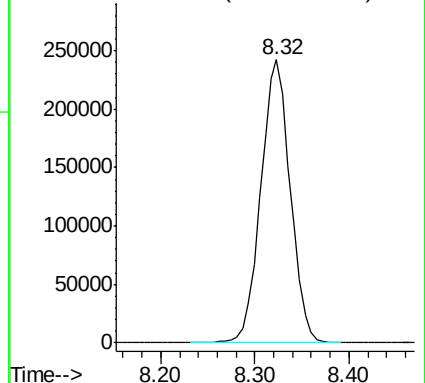
Lab File: VW013803.D

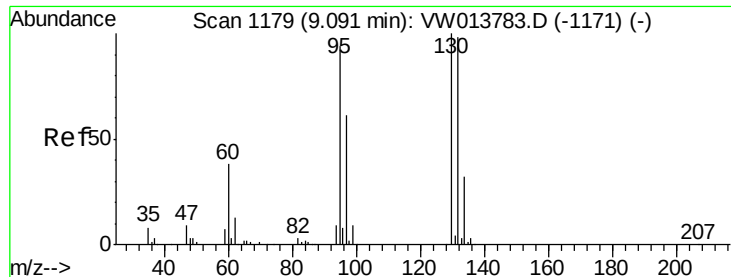
Acq: 29 Oct 2019 19:31

Tgt Ion: 78 Resp: 530596



Abundance Ion 78.00 (77.70 to 78.70): VW

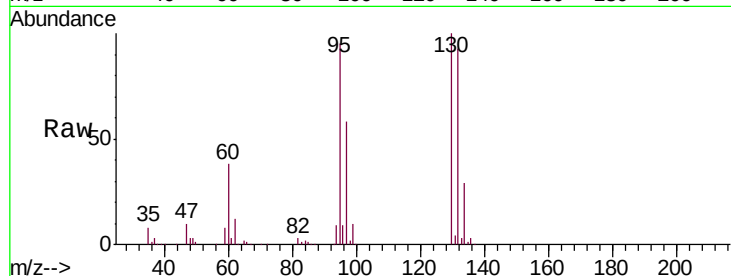




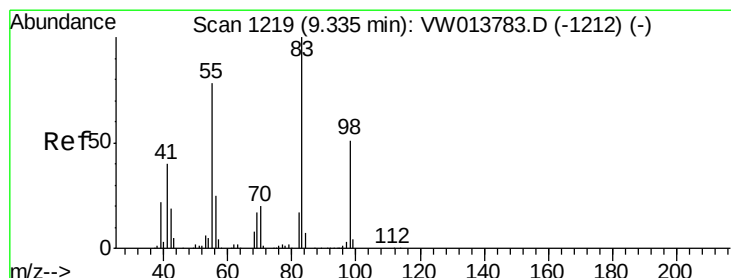
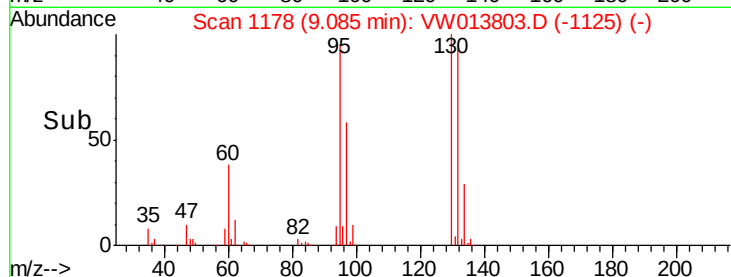
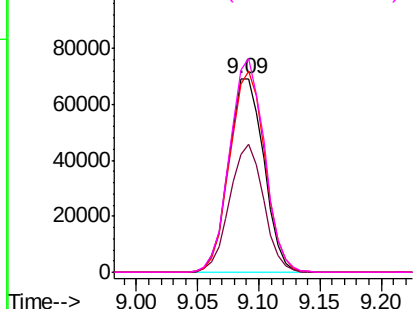
#35
 Trichloroethene
 Concen: 24.225 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion: 95 Resp: 138708
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.8 85.2
 132 103.1 74.3 138.1
 130 108.7 76.6 142.3

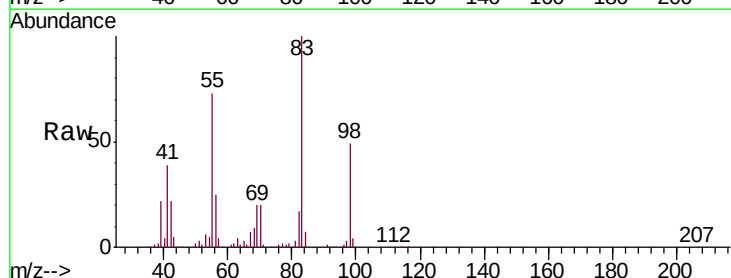


Abundance Ion 95.00 (94.70 to 95.70): VW
 120000
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

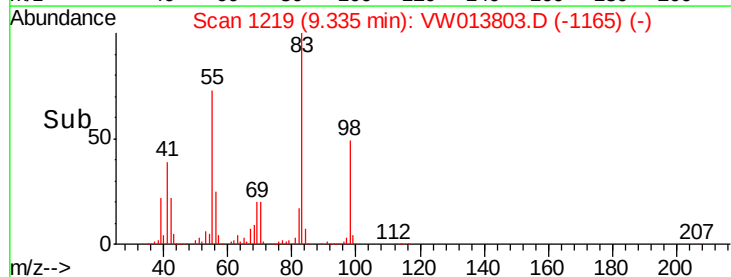
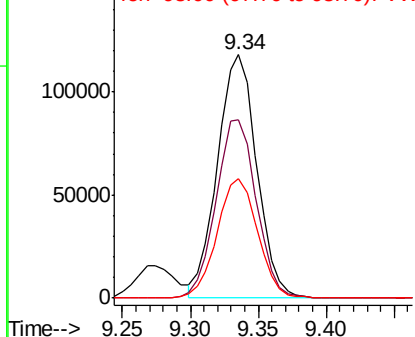


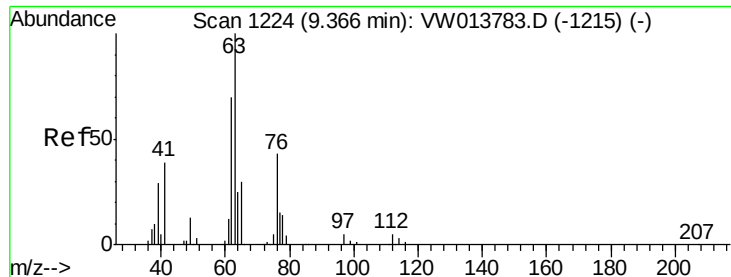
#36
 Methylcyclohexane
 Concen: 23.397 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

Tgt Ion: 83 Resp: 236127
 Ion Ratio Lower Upper
 83 100
 55 75.6 60.2 90.4
 98 50.5 39.1 58.7



Abundance Ion 83.00 (82.70 to 83.70): VW
 150000
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.132 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

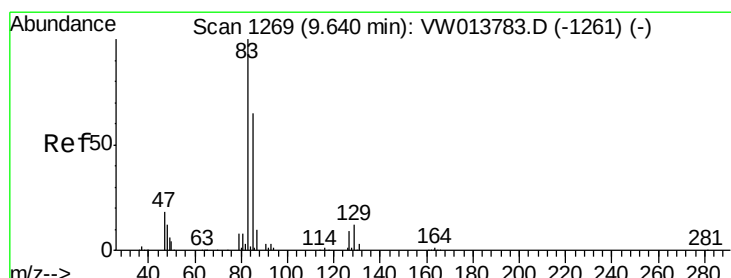
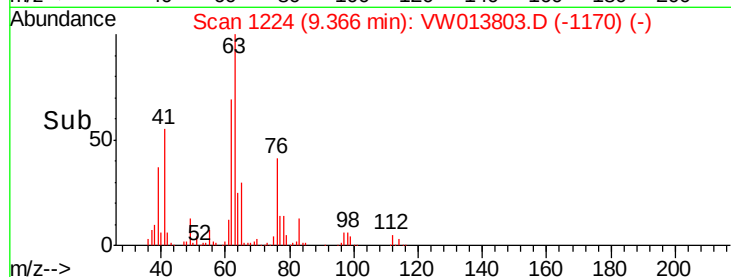
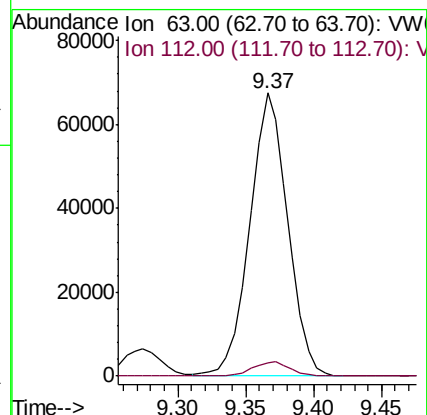
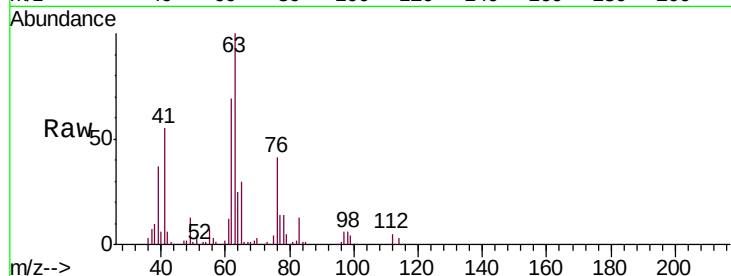
VSTD02508

Tgt Ion: 63 Resp: 131683

Ion Ratio Lower Upper

63 100

112 5.0 3.9 5.9



#41

Bromodichloromethane

Concen: 24.228 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

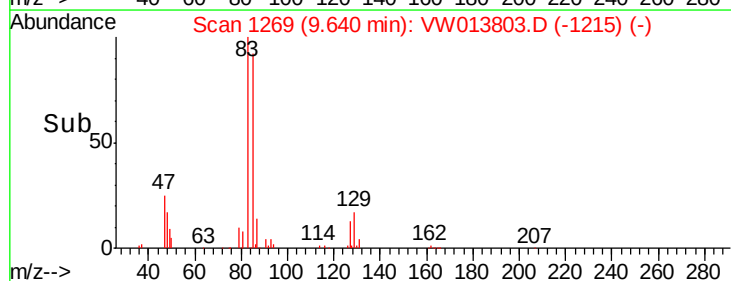
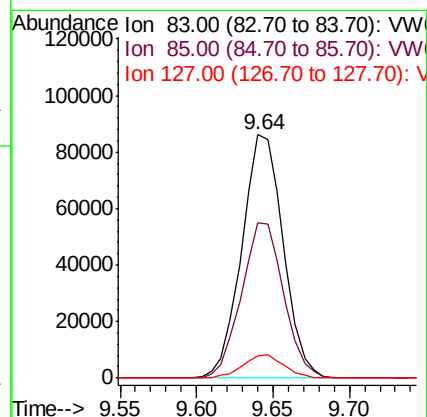
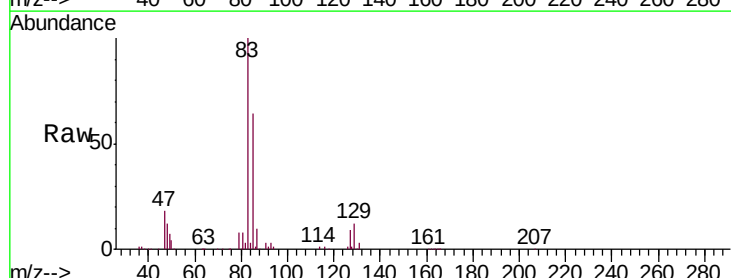
Tgt Ion: 83 Resp: 161993

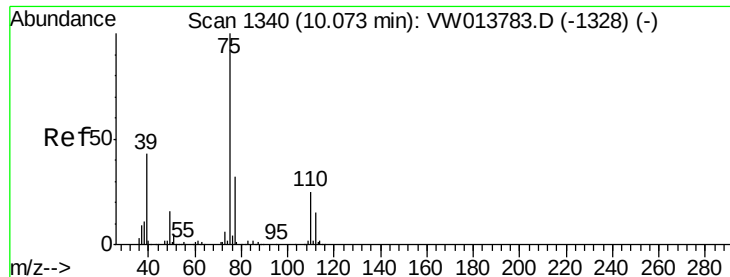
Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0

127 9.2 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 24.086 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

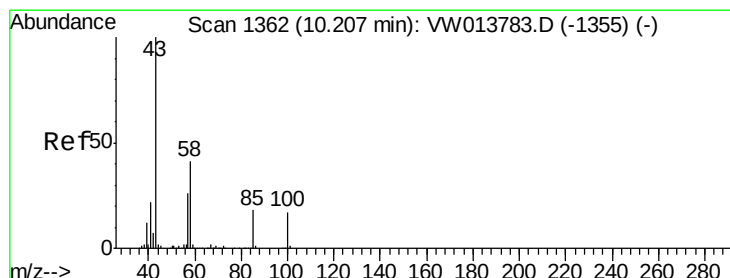
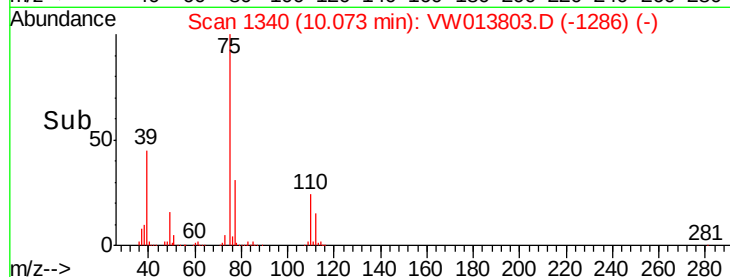
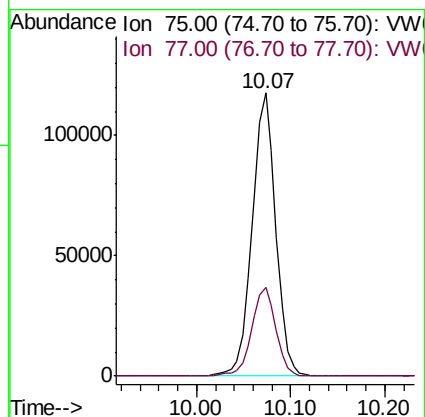
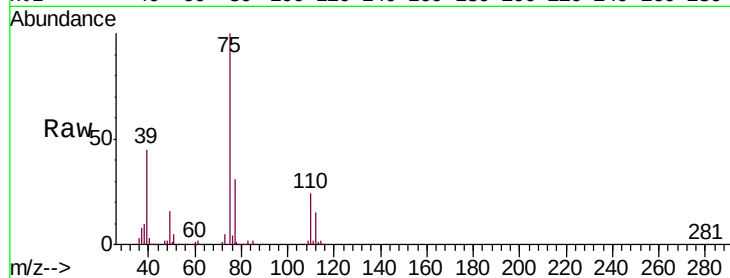
VSTD02508

Tgt Ion: 75 Resp: 207505

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 45.815 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

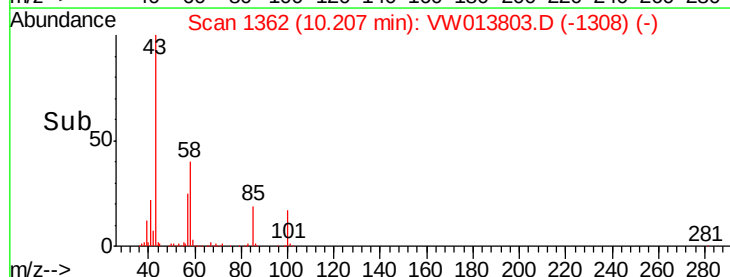
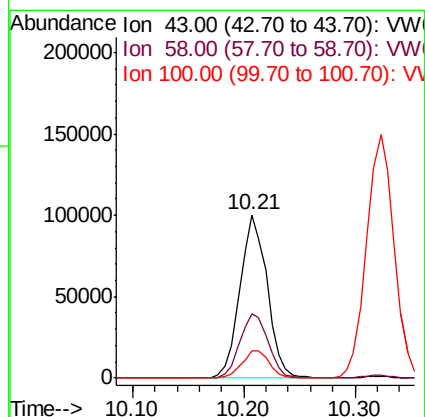
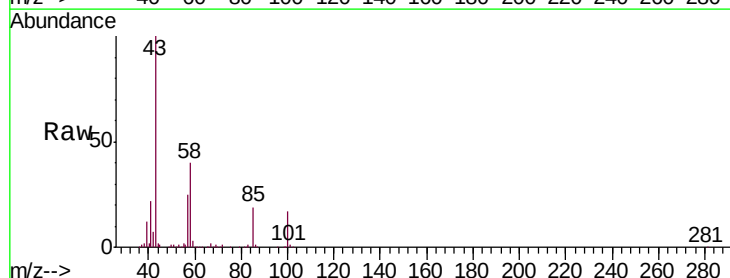
Tgt Ion: 43 Resp: 170566

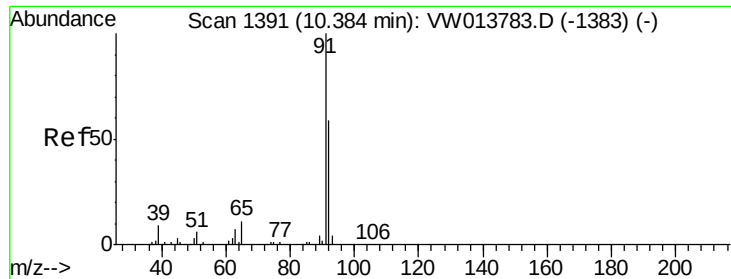
Ion Ratio Lower Upper

43 100

58 40.8 32.8 49.2

100 17.4 13.7 20.5





#44

Toluene

Concen: 24.154 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

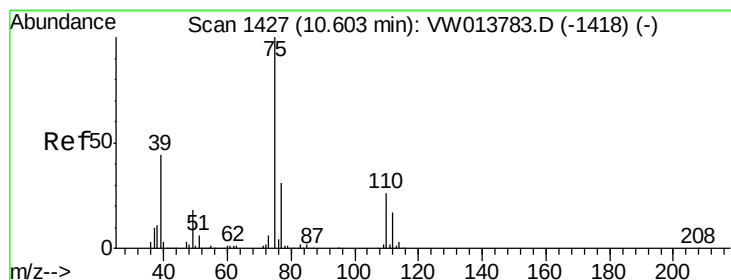
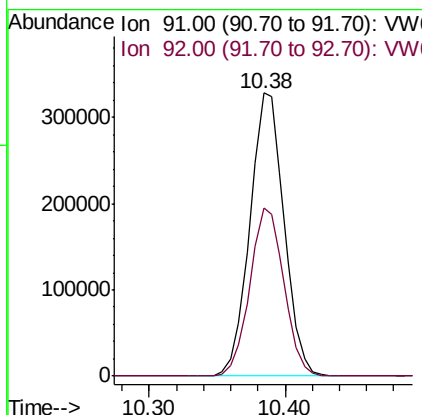
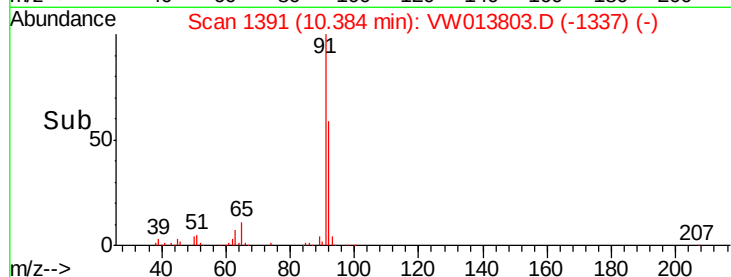
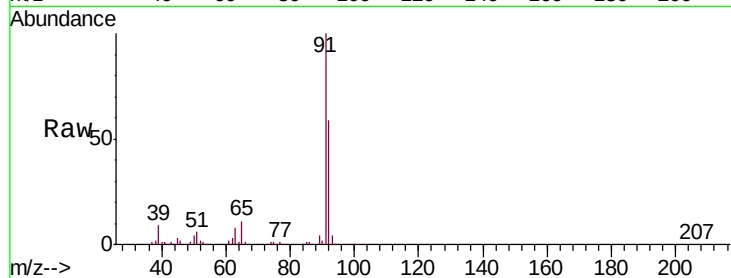
VSTD02508

Tgt Ion: 91 Resp: 579152

Ion Ratio Lower Upper

91 100

92 59.5 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 24.052 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013803.D

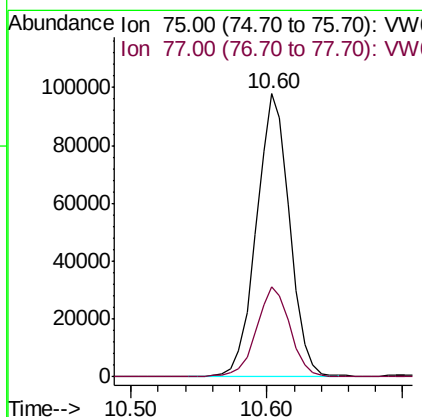
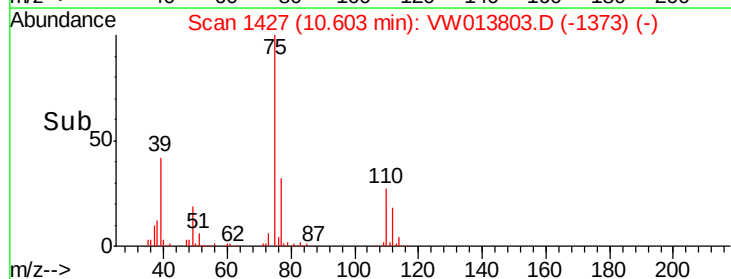
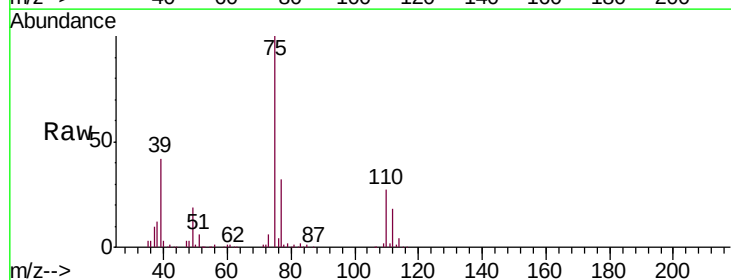
Acq: 29 Oct 2019 19:31

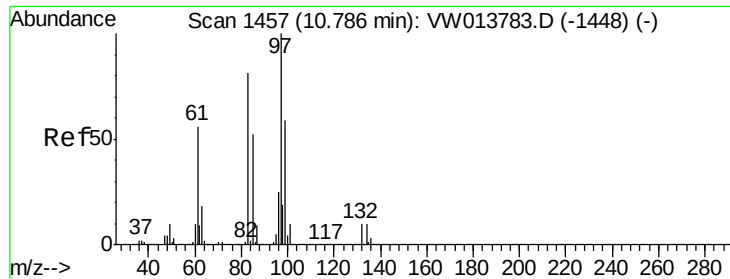
Tgt Ion: 75 Resp: 167260

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 23.727 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 97 Resp: 99855

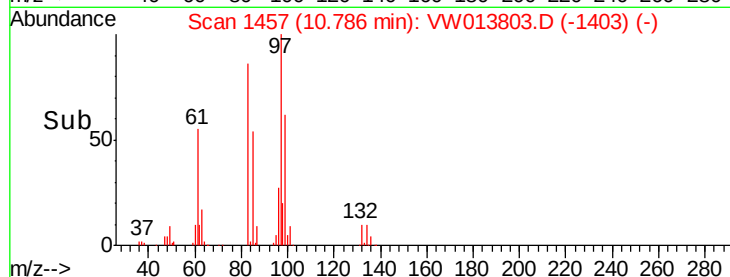
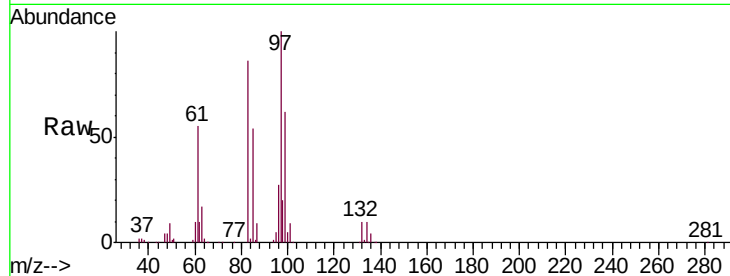
Ion Ratio Lower Upper

97 100

83 86.1 57.7 107.3

85 54.1 38.6 71.6

99 61.7 44.7 82.9

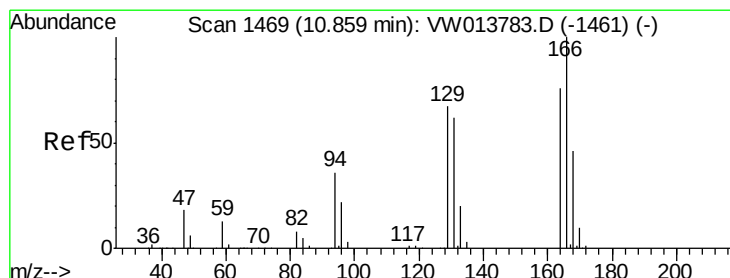
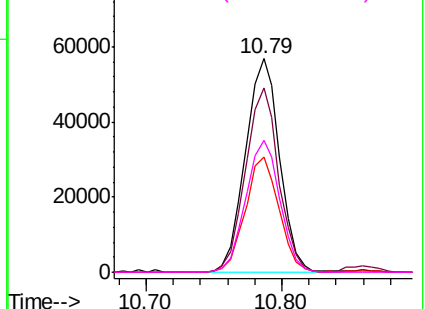


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.853 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Tgt Ion: 164 Resp: 125021

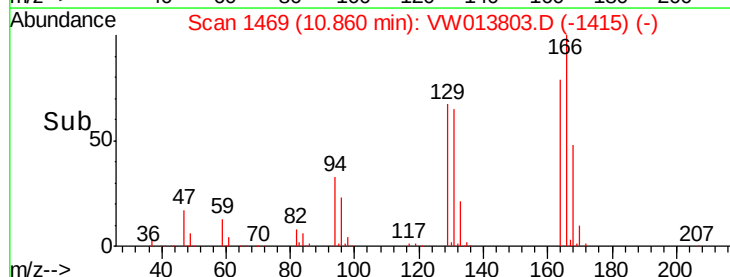
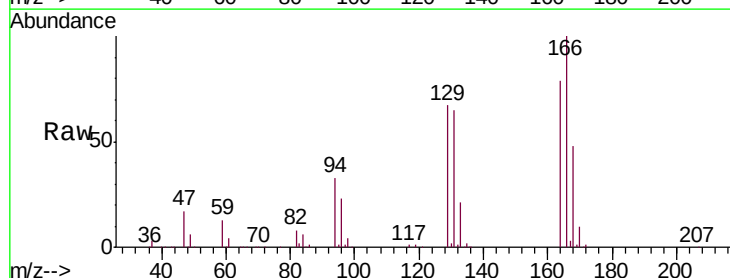
Ion Ratio Lower Upper

164 100

129 85.1 61.8 114.8

131 81.8 59.2 110.0

166 126.5 89.2 165.8

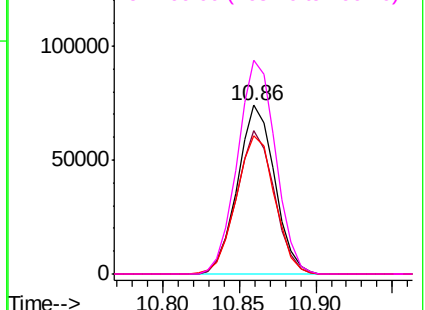


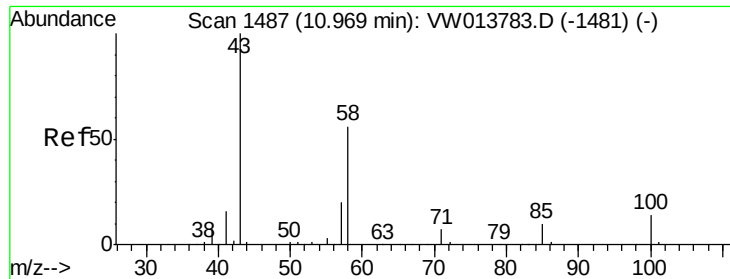
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 45.697 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 43 Resp: 120696

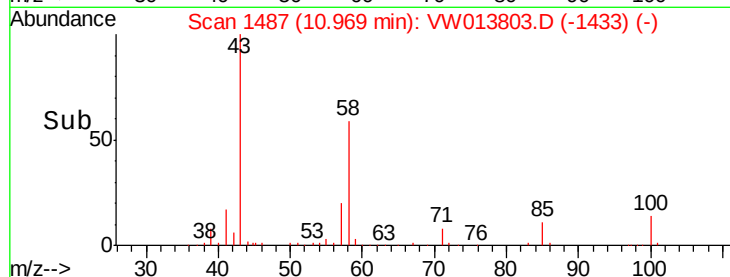
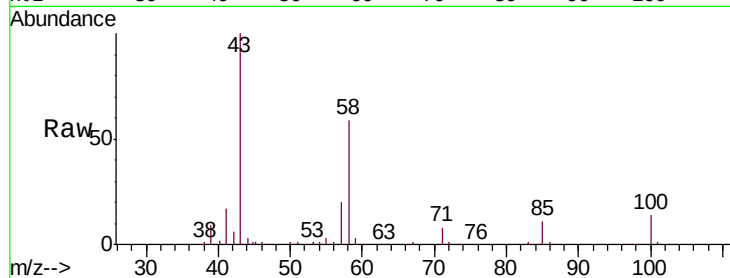
Ion Ratio Lower Upper

43 100

58 55.7 45.8 68.6

57 20.0 15.4 23.2

100 13.6 10.8 16.2

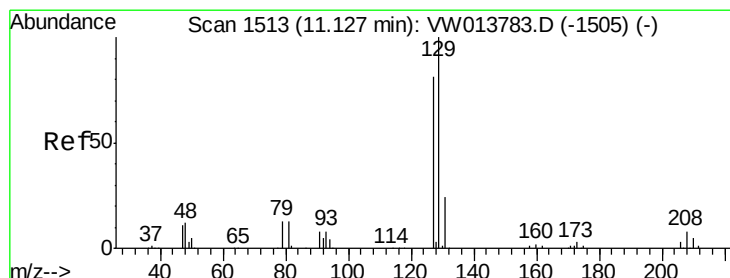
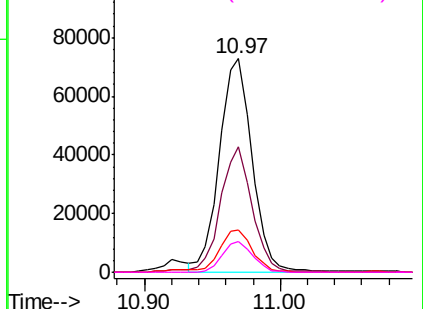


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.070 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013803.D

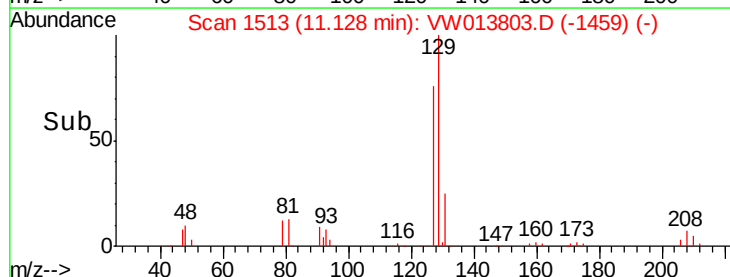
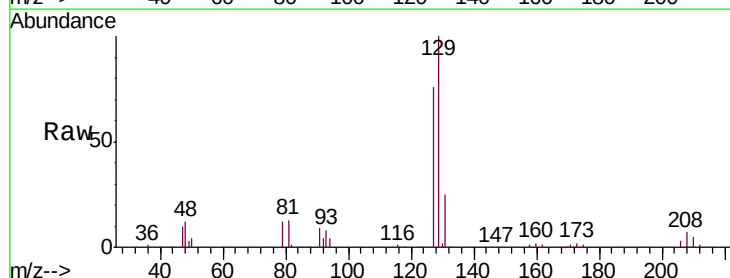
Acq: 29 Oct 2019 19:31

Tgt Ion: 129 Resp: 119547

Ion Ratio Lower Upper

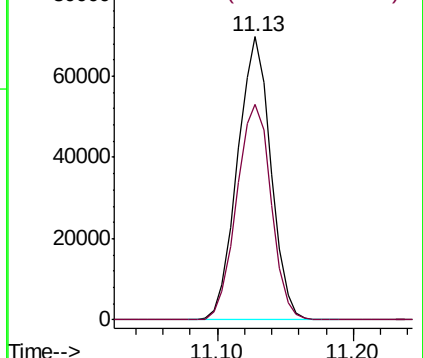
129 100

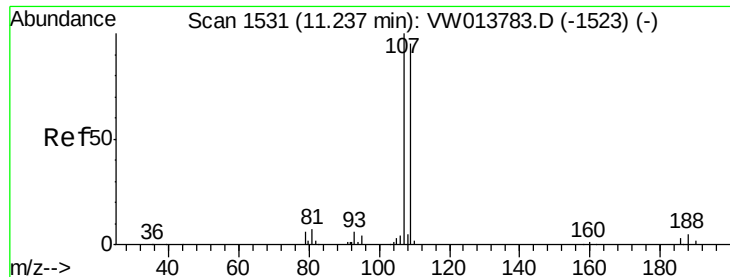
127 76.0 51.4 95.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

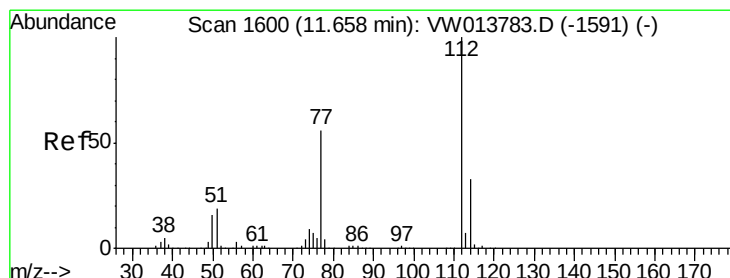
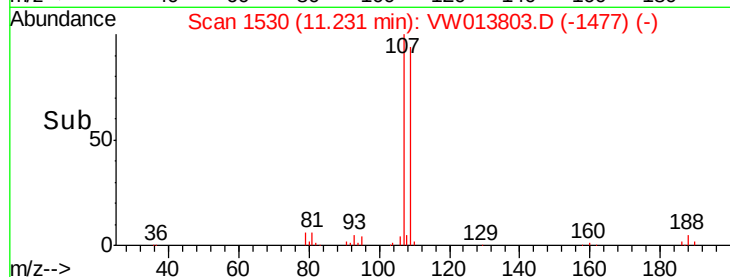
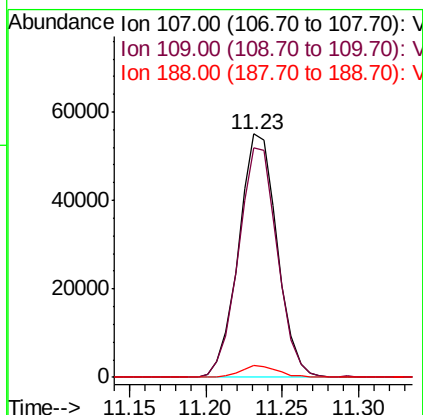
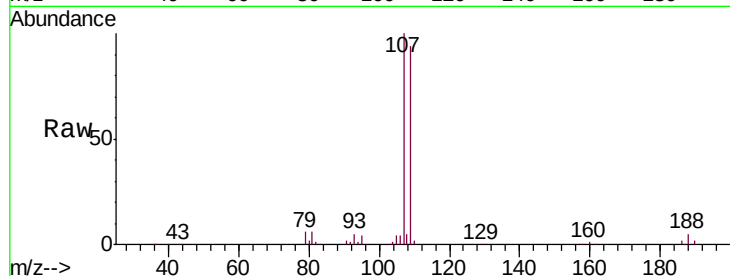




#51
1,2-Dibromoethane
Concen: 23.530 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

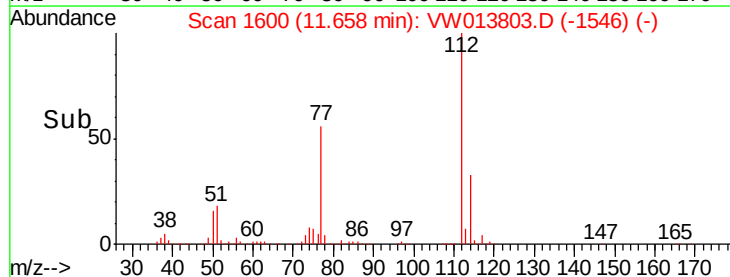
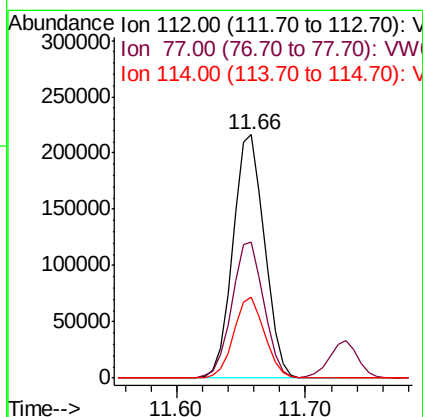
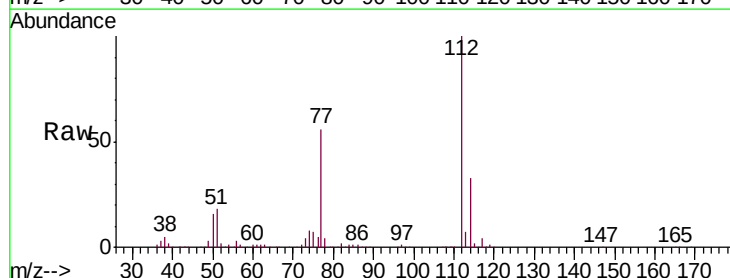
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

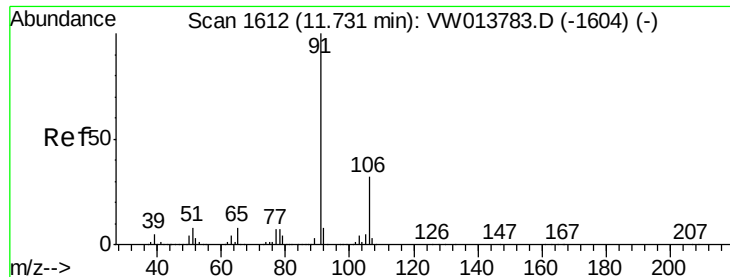
Tgt Ion:107 Resp: 96296
Ion Ratio Lower Upper
107 100
109 94.3 64.0 118.8
188 5.1 3.4 5.2



#52
Chlorobenzene
Concen: 23.998 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

Tgt Ion:112 Resp: 368160
Ion Ratio Lower Upper
112 100
77 55.7 44.1 66.1
114 33.4 23.4 43.4





#53

Ethylbenzene

Concen: 24.381 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

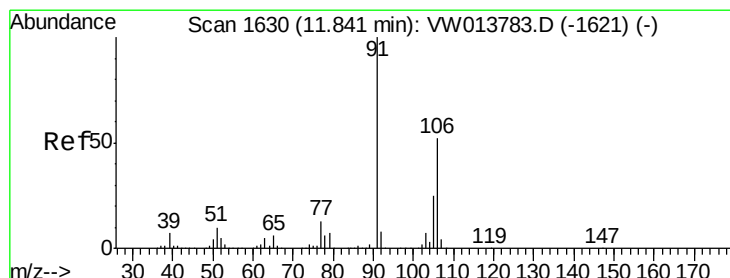
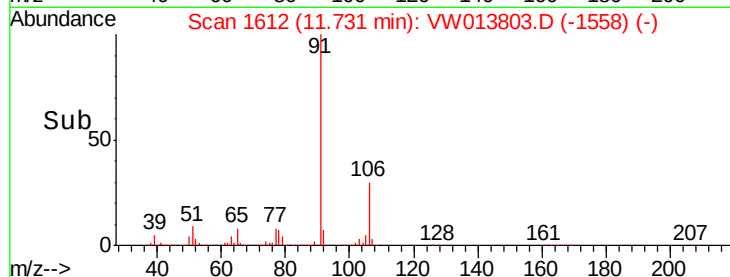
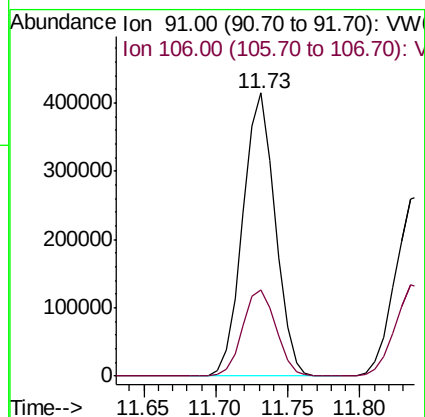
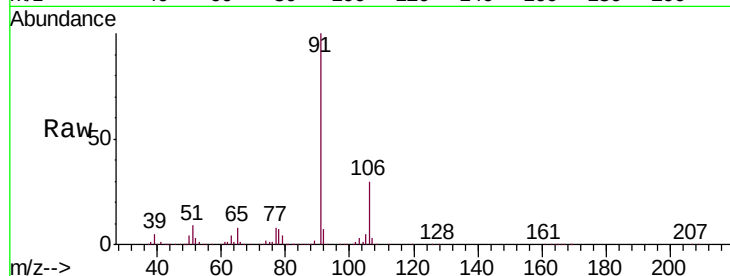
VSTD02508

Tgt Ion: 91 Resp: 645898

Ion Ratio Lower Upper

91 100

106 30.3 22.3 41.3



#54

m,p-Xylene

Concen: 24.521 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013803.D

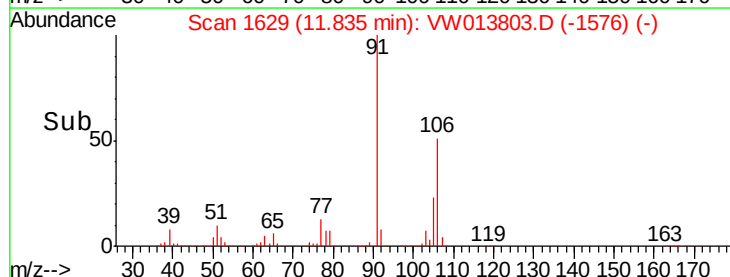
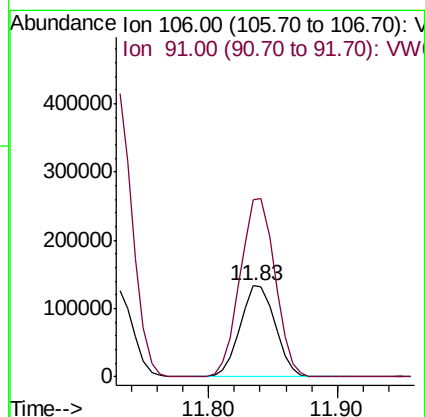
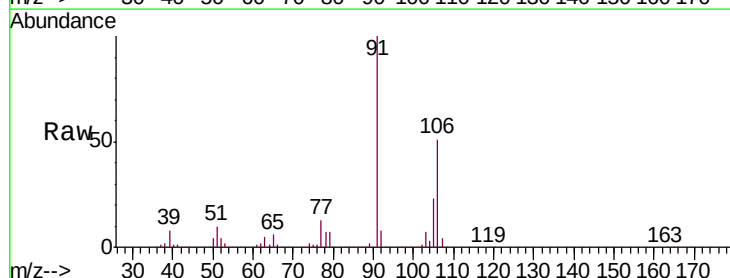
Acq: 29 Oct 2019 19:31

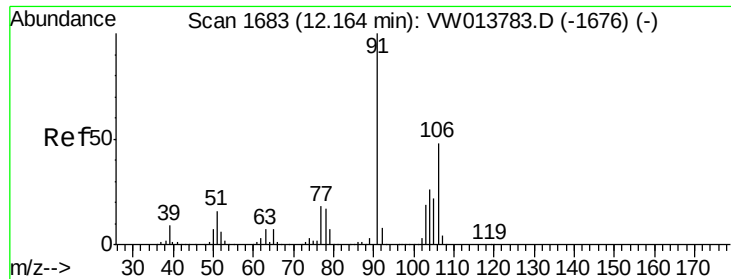
Tgt Ion: 106 Resp: 251035

Ion Ratio Lower Upper

106 100

91 195.4 137.7 255.7

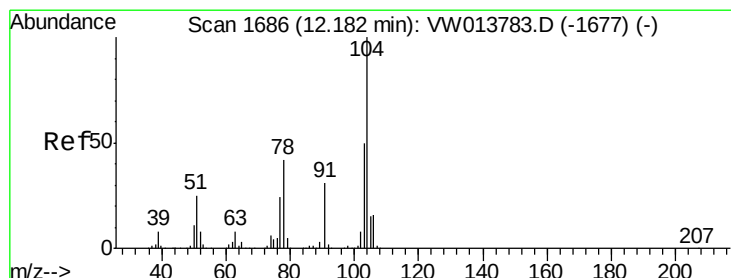
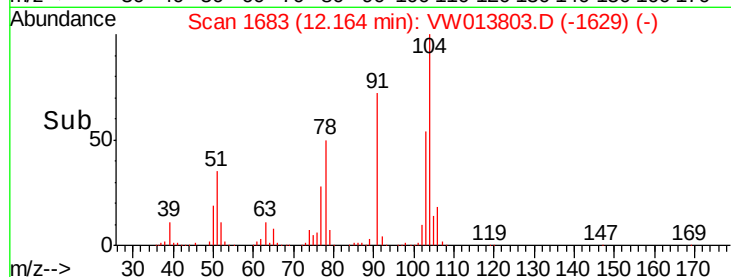
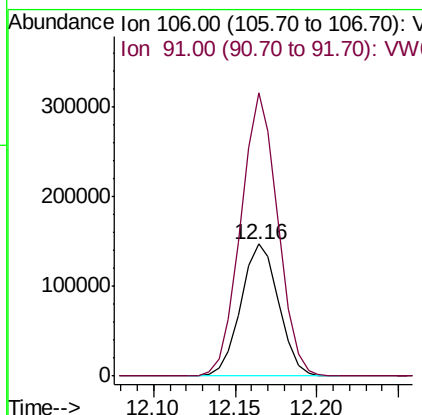
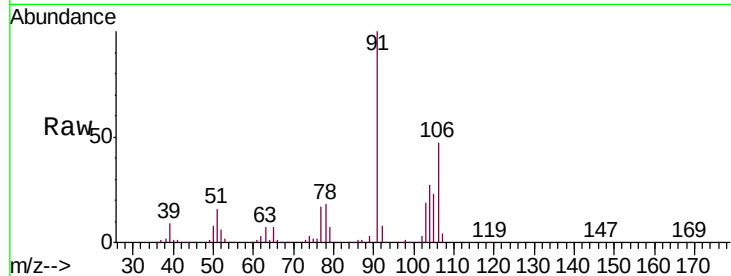




#55
o-xylene
Concen: 24.472 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

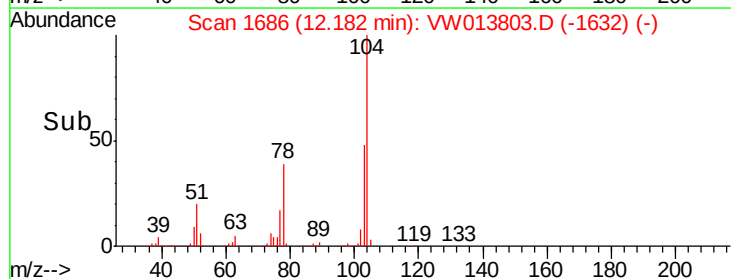
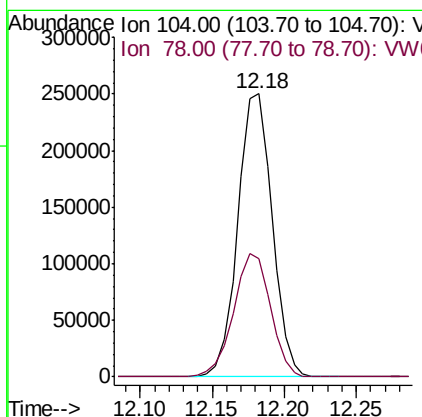
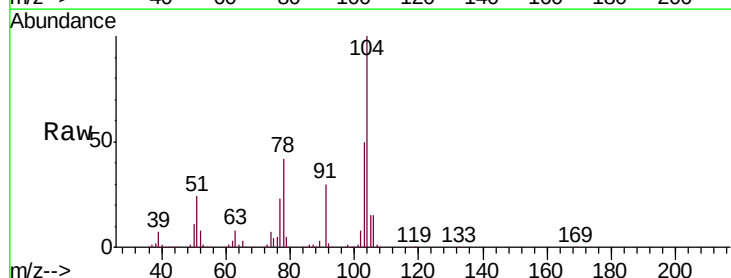
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

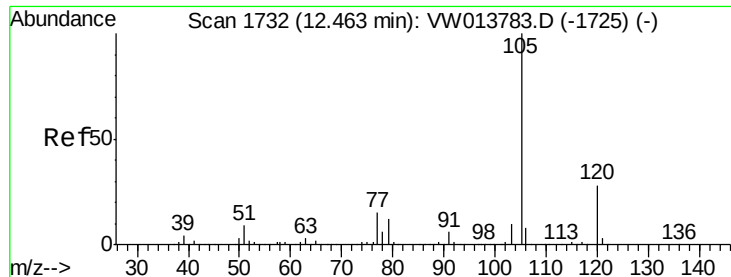
Tgt Ion:106 Resp: 237745
Ion Ratio Lower Upper
106 100
91 214.3 144.8 269.0



#56
Styrene
Concen: 24.975 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013803.D
Acq: 29 Oct 2019 19:31

Tgt Ion:104 Resp: 415077
Ion Ratio Lower Upper
104 100
78 41.6 29.3 54.5





#57

Isopropylbenzene

Concen: 24.550 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

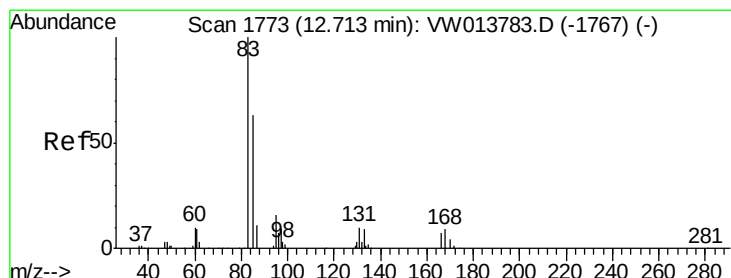
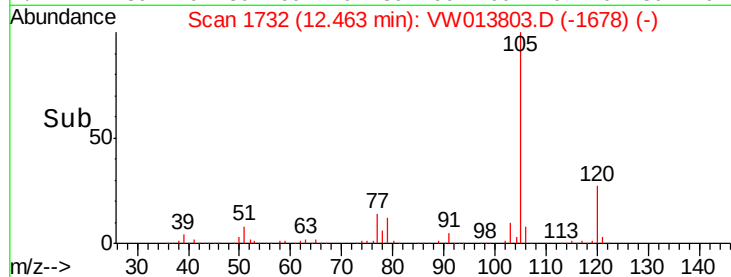
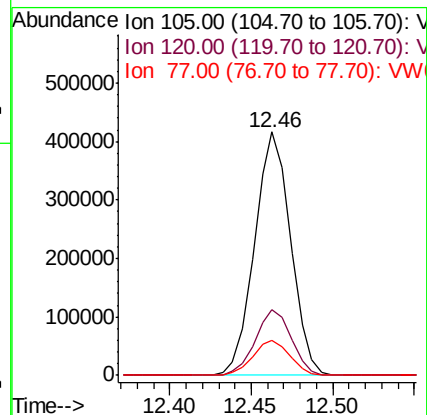
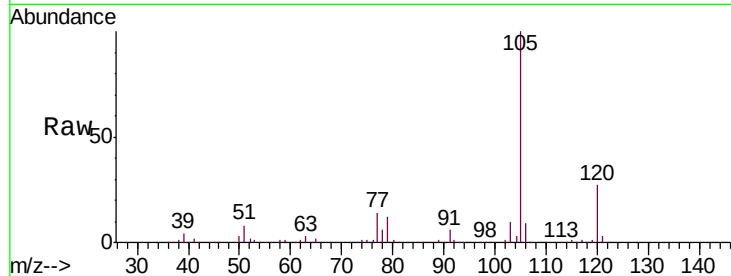
Tgt Ion: 105 Resp: 639759

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

77 14.6 11.4 17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 24.378 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

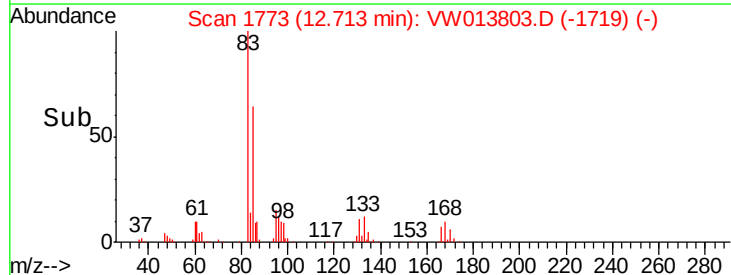
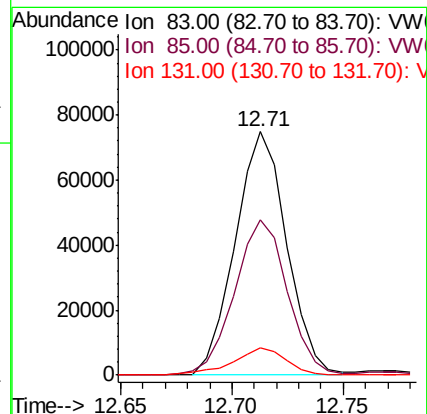
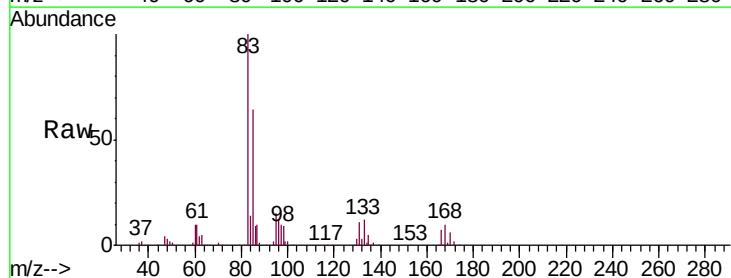
Tgt Ion: 83 Resp: 120245

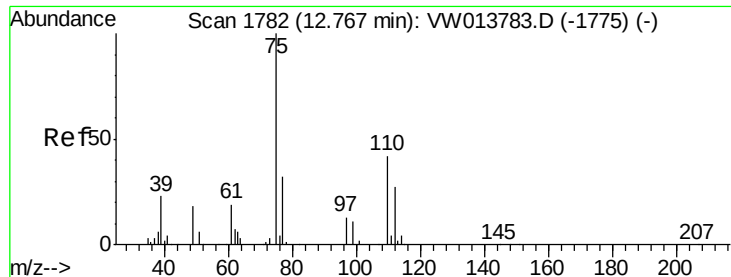
Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.3

131 11.2 8.6 13.0





#59

1,2,3-Trichloropropane

Concen: 24.232 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

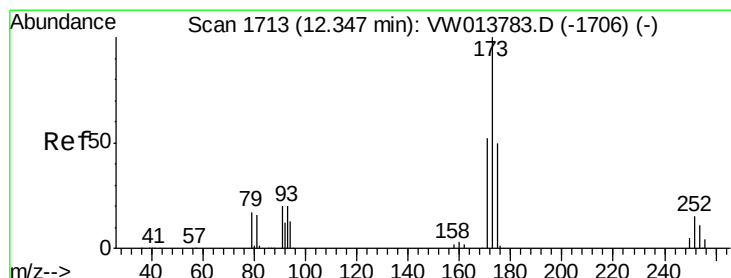
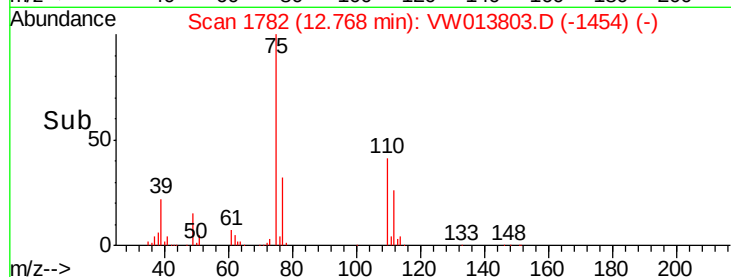
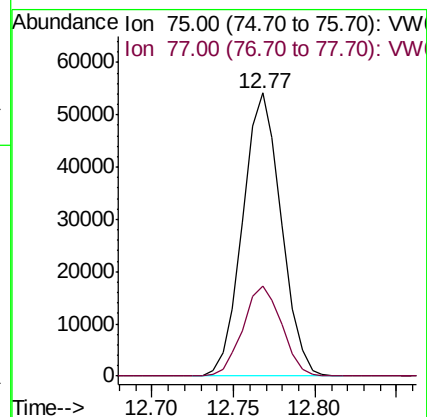
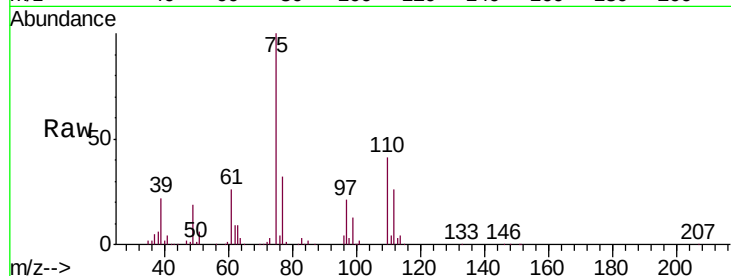
VSTD02508

Tgt Ion: 75 Resp: 89133

Ion Ratio Lower Upper

75 100

77 32.1 26.4 39.6



#62

Bromoform

Concen: 23.028 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

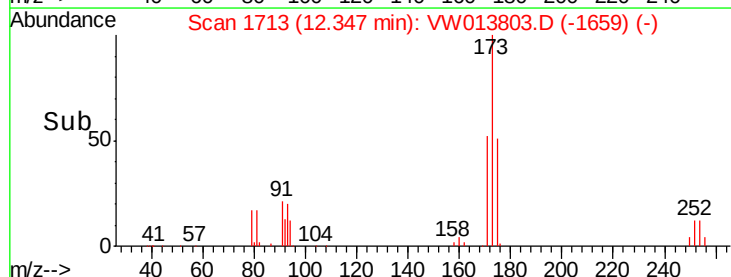
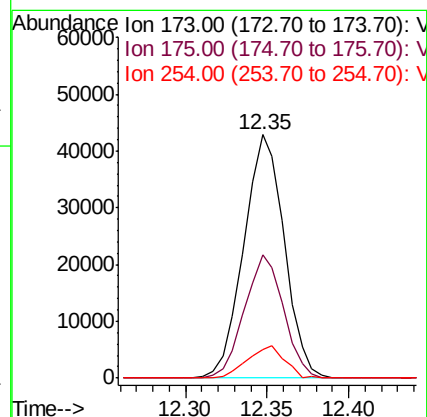
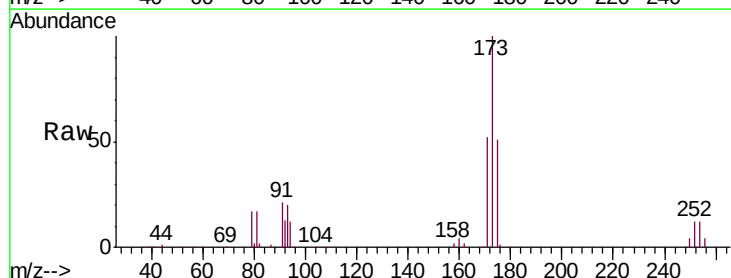
Tgt Ion: 173 Resp: 74188

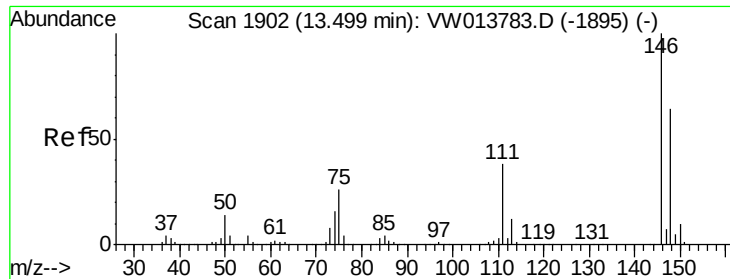
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 12.1 9.6 14.4

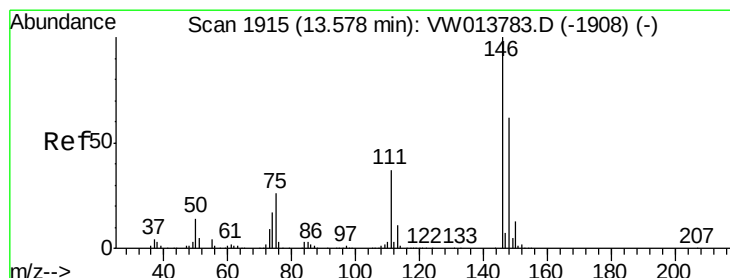
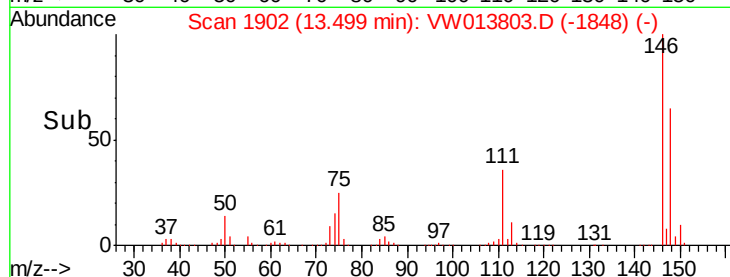
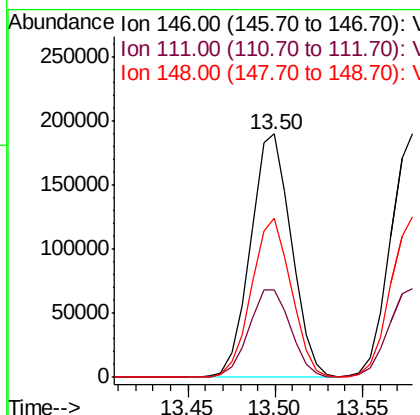
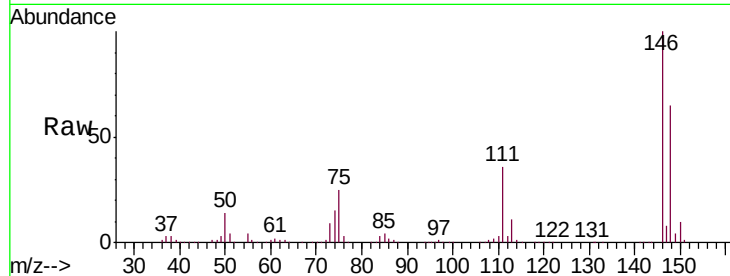




#63
 1,3-Dichlorobenzene
 Concen: 24.077 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

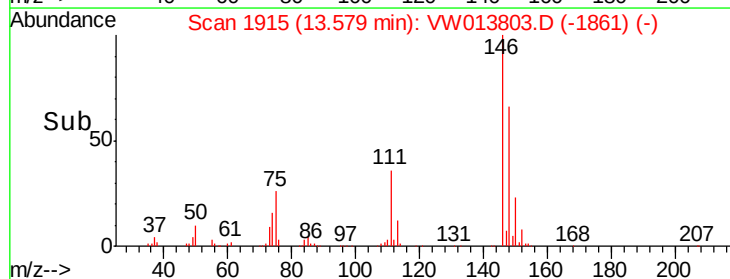
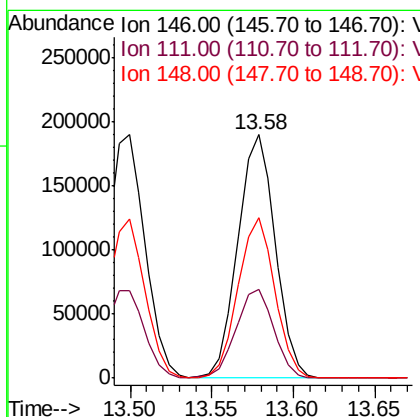
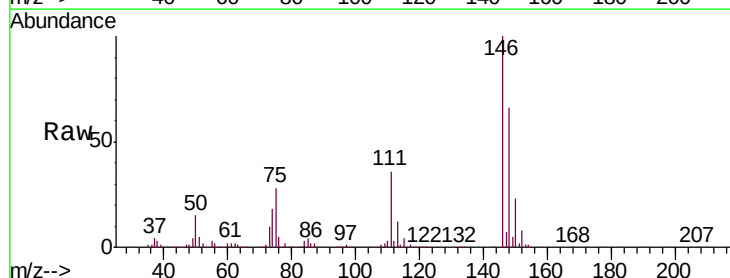
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

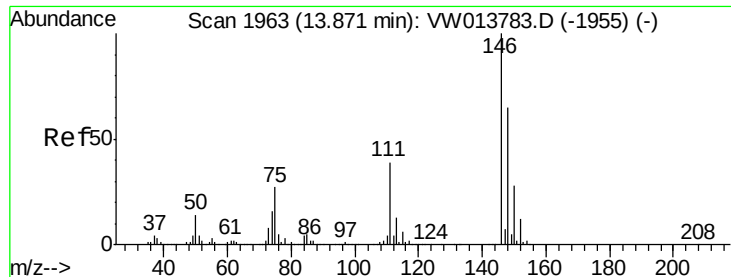
Tgt Ion:146 Resp: 307112
 Ion Ratio Lower Upper
 146 100
 111 36.2 26.1 48.5
 148 65.4 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 23.641 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

Tgt Ion:146 Resp: 303028
 Ion Ratio Lower Upper
 146 100
 111 36.2 24.8 46.0
 148 65.7 43.0 79.8

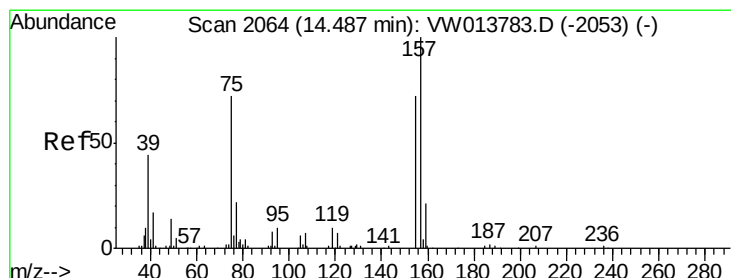
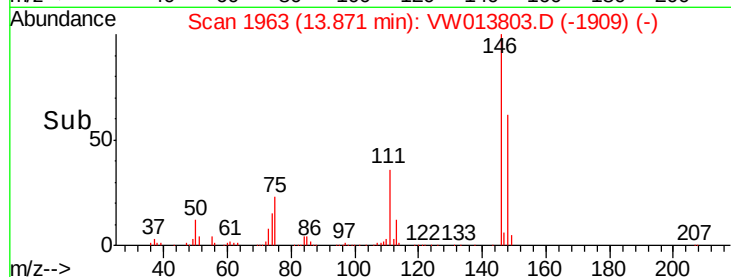
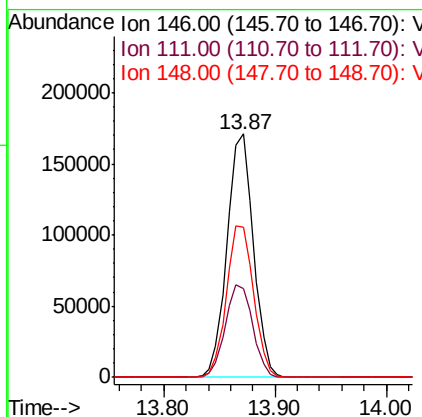
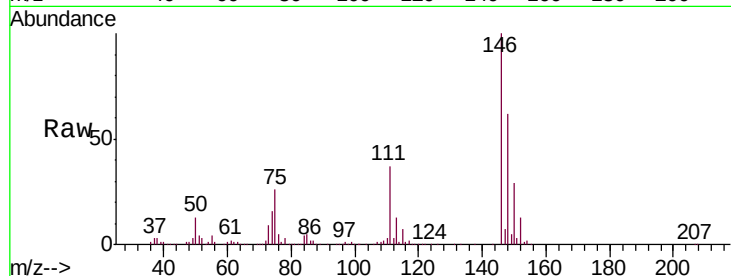




#65
 1,2-Dichlorobenzene
 Concen: 24.264 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

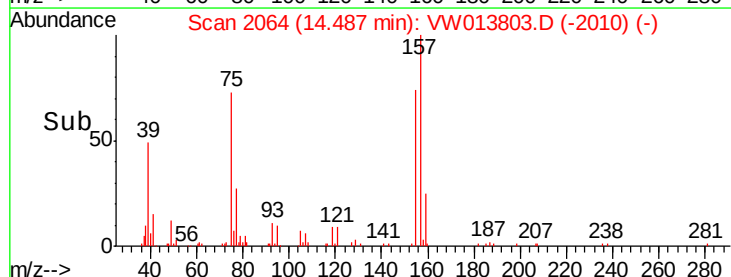
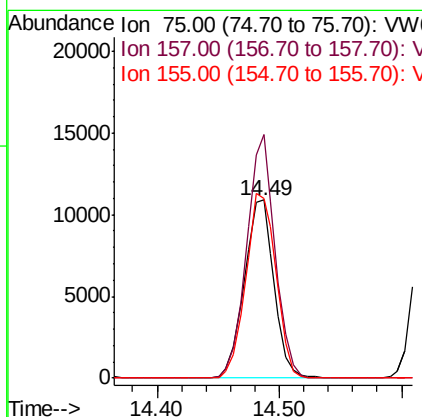
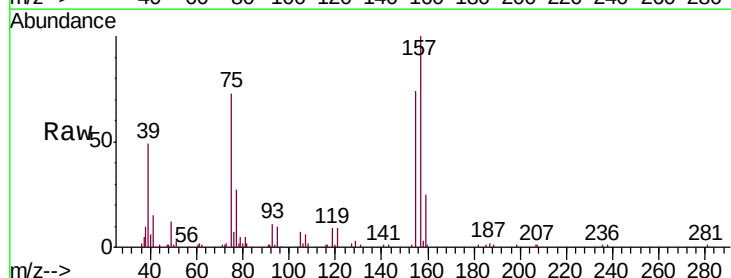
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

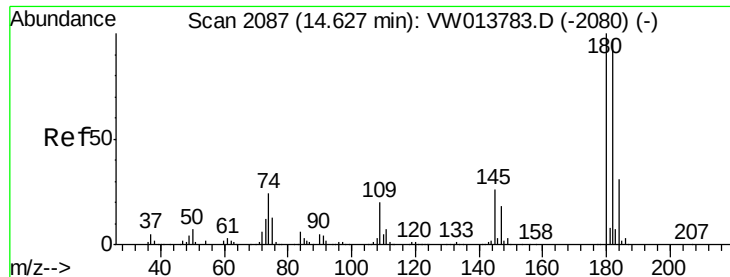
Tgt Ion: 146 Resp: 280426
 Ion Ratio Lower Upper
 146 100
 111 36.6 30.7 46.1
 148 61.8 53.3 79.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.193 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW013803.D
 Acq: 29 Oct 2019 19:31

Tgt Ion: 75 Resp: 18424
 Ion Ratio Lower Upper
 75 100
 157 136.7 99.4 149.0
 155 100.9 69.7 104.5





#67

1,3,5-Trichlorobenzene

Concen: 24.134 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion:180 Resp: 228856

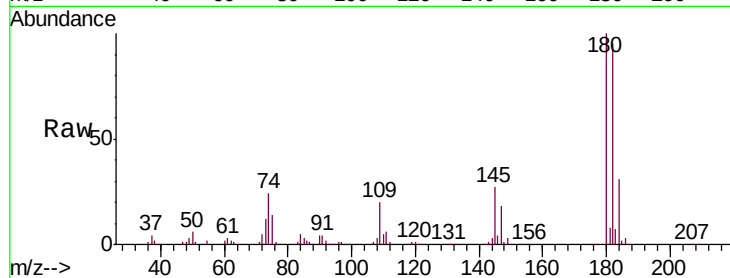
Ion Ratio Lower Upper

180 100

182 95.7 76.2 114.4

184 30.5 24.1 36.1

145 27.6 21.8 32.8

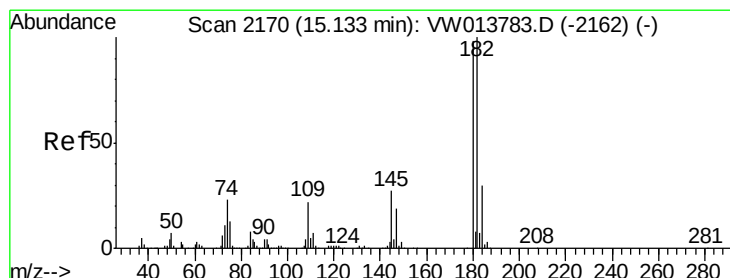
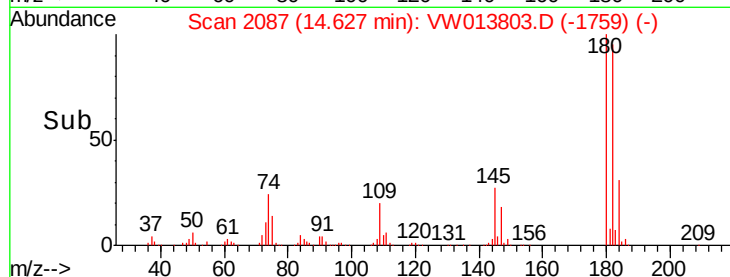
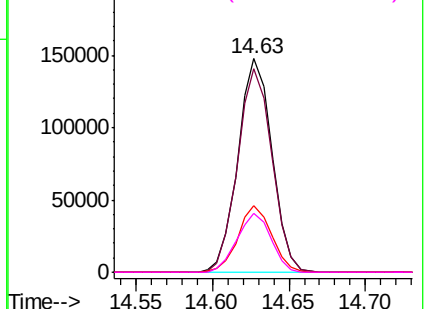


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 23.897 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

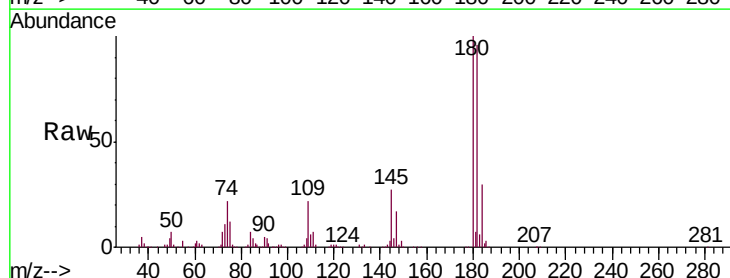
Tgt Ion:180 Resp: 192379

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

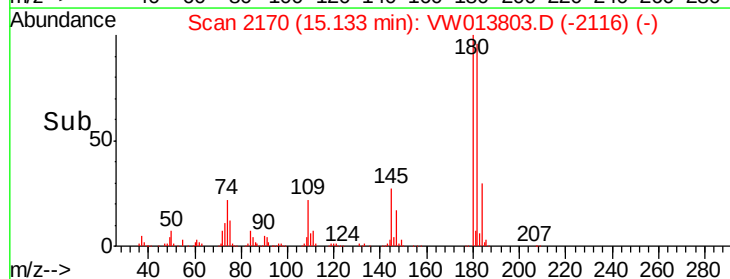
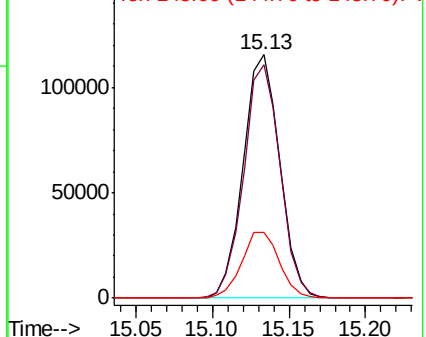
145 27.9 22.6 34.0

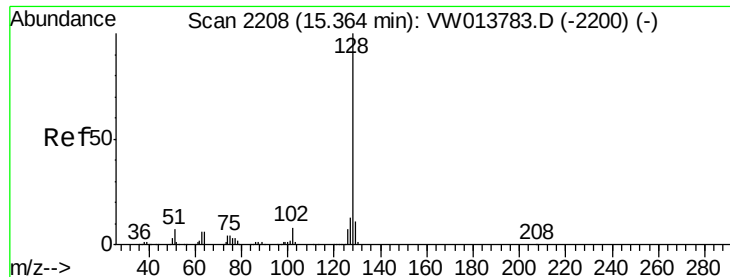


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.290 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

Instrument :

MSVOA_W

ClientSampled :

VSTD02508

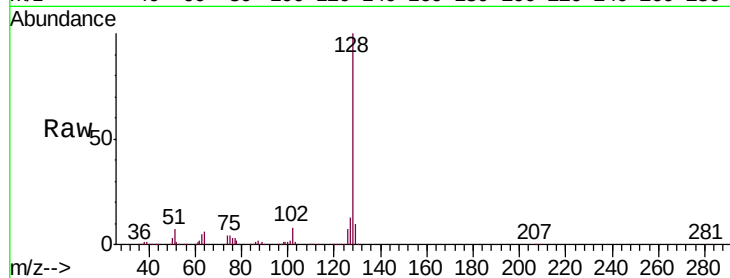
Tgt Ion:128 Resp: 354327

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

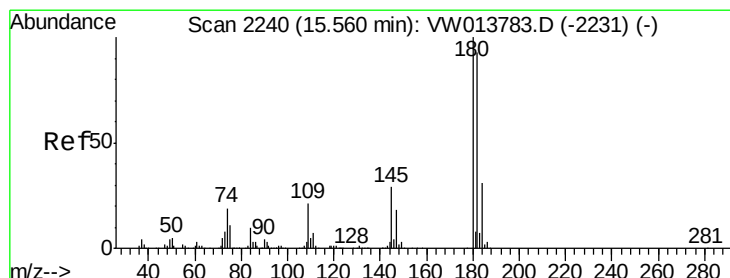
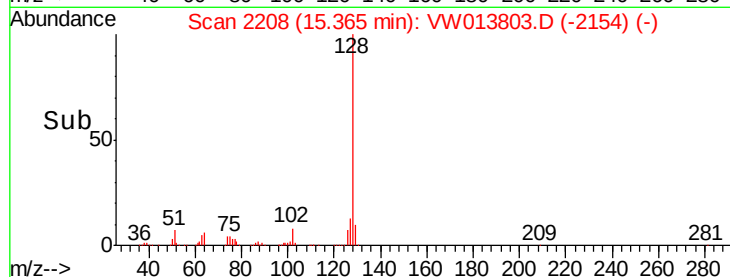
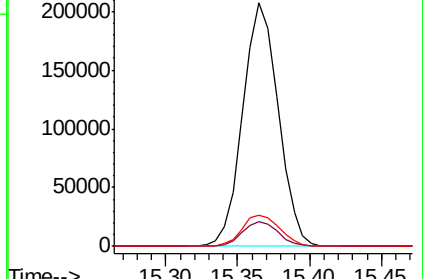
127 13.6 10.5 15.7



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: 23.854 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW013803.D

Acq: 29 Oct 2019 19:31

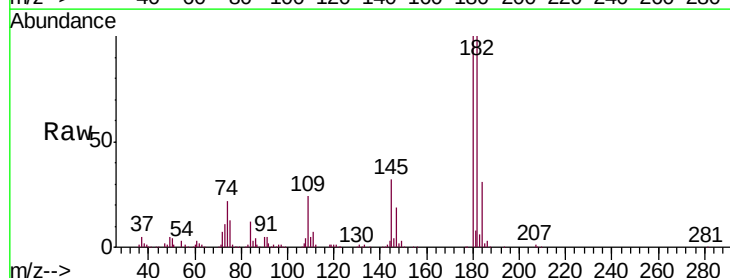
Tgt Ion:180 Resp: 171973

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.4

145 30.4 24.1 36.1



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

