

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091319\
 Data File : VW012946.D
 Acq On : 13 Sep 2019 09:23
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 14:59:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 02:47:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	401320	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	350487	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	173901	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107049	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.12%
7) Chloroethane-d5	2.89	69	90265	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.76%
10) 1,1-Dichloroethene-d2	4.02	63	249791	25.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.52%
20) 2-Butanone-d5	7.07	46	76548	50.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.44%
24) Chloroform-d	7.65	84	255818	25.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.84%
26) 1,2-Dichloroethane-d4	8.30	65	136202	25.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.48%
29) Benzene-d6	8.27	84	458651	25.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.60%
33) 1,2-Dichloropropane-d6	9.27	67	147622	25.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.00%
37) Toluene-d8	10.32	98	438277	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.96%
38) trans-1,3-Dichloropropene-	10.58	79	64699	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.48%
39) 2-Hexanone-d5	10.92	63	56475	50.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109950	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	163456	24.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	89979	29.044	ug/L 97
3) Chloromethane	2.21	50	113043	26.744	ug/L 96
5) Vinyl chloride	2.36	62	149694	27.424	ug/L 99
6) Bromomethane	2.78	94	85933	26.358	ug/L 99
8) Chloroethane	2.92	64	85639	26.020	ug/L 95
9) Trichlorofluoromethane	3.26	101	92470	28.258	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	124562	25.994	ug/L 97
12) 1,1-Dichloroethene	4.04	96	120572	25.194	ug/L 85
13) Acetone	4.12	43	73911	56.828	ug/L 96
14) Carbon disulfide	4.38	76	376276	26.299	ug/L 100
15) Methyl Acetate	4.66	43	57121	23.516	ug/L 100
16) Methylene chloride	4.92	84	121923	22.252	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	200976	24.137	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	128471	25.030	ug/L 99
19) 1,1-Dichloroethane	6.21	63	240775	24.758	ug/L 98
21) 2-Butanone	7.16	43	91004	53.112	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	135242	24.839	ug/L 99

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 QLast Update : Fri Sep 13 02:47:59 2019
 Response via : Initial Calibration

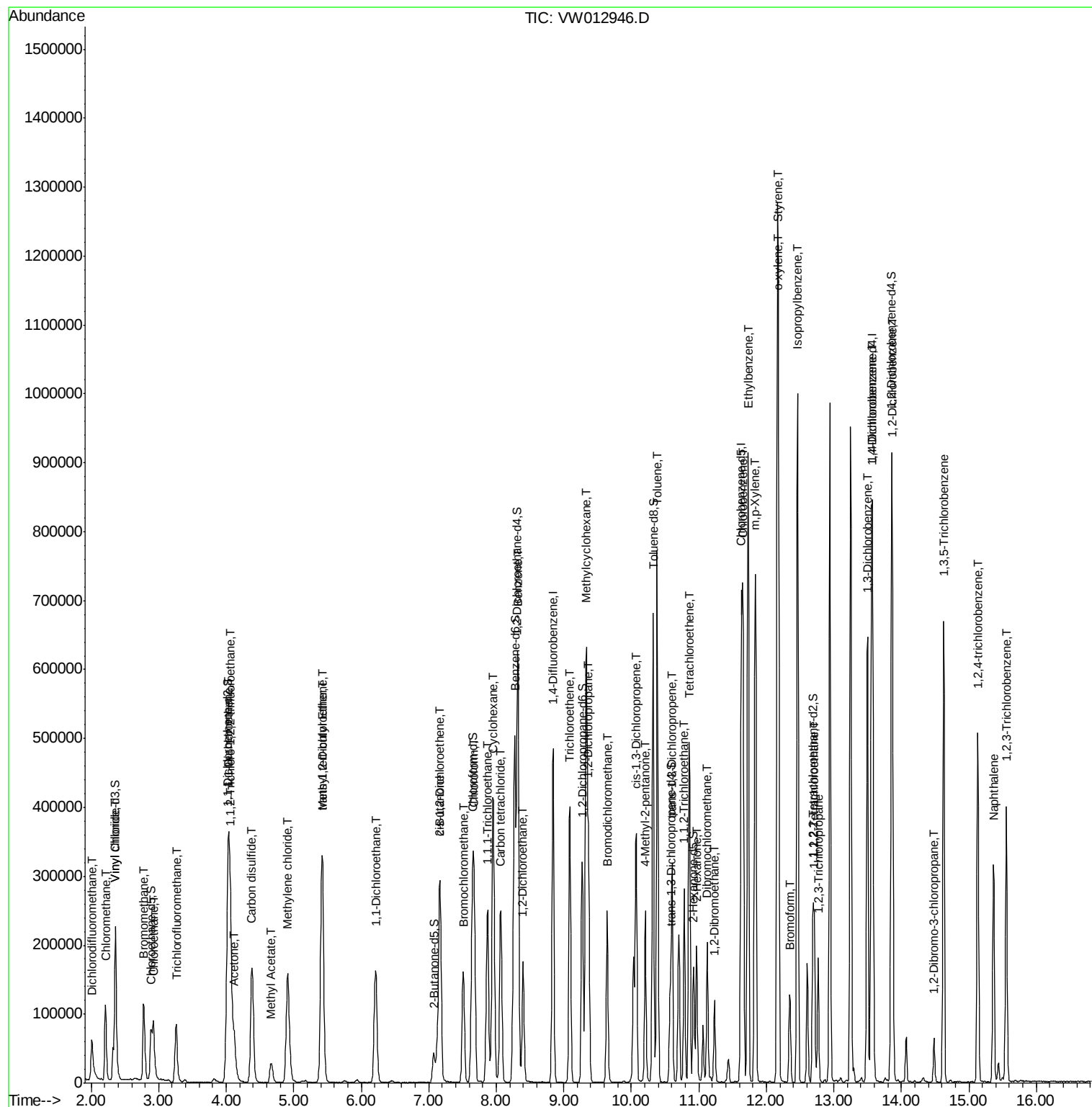
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	54903	23.275	ug/L	92
25) Chloroform	7.67	83	237721	24.275	ug/L	100
27) 1,2-Dichloroethane	8.40	62	160334	24.227	ug/L	98
30) Cyclohexane	7.96	56	237660	25.441	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	202398	25.335	ug/L	98
32) Carbon tetrachloride	8.07	117	193117	25.888	ug/L	99
34) Benzene	8.32	78	524154	24.869	ug/L	100
35) Trichloroethene	9.09	95	137871	24.787	ug/L	99
36) Methylcyclohexane	9.34	83	243527	25.318	ug/L	99
40) 1,2-Dichloropropane	9.37	63	128358	24.212	ug/L	100
41) Bromodichloromethane	9.64	83	166905	24.713	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	202880	24.357	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	166465	49.358	ug/L	99
44) Toluene	10.38	91	556629	24.682	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	165534	24.518	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	84531	23.711	ug/L	99
47) Tetrachloroethene	10.86	164	118348	24.709	ug/L	95
49) 2-Hexanone	10.97	43	130547	52.366	ug/L	99
50) Dibromochloromethane	11.13	129	105289	24.249	ug/L	97
51) 1,2-Dibromoethane	11.24	107	81118	23.654	ug/L	95
52) Chlorobenzene	11.65	112	341022	24.202	ug/L	97
53) Ethylbenzene	11.73	91	628032	24.537	ug/L	99
54) m,p-Xylene	11.84	106	234171	24.471	ug/L	99
55) o-xylene	12.16	106	218335	24.253	ug/L	97
56) Styrene	12.18	104	378415	24.703	ug/L	96
57) Isopropylbenzene	12.46	105	623371	25.216	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	96367	23.765	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	74387	23.806	ug/L	98
62) Bromoform	12.35	173	62084	24.981	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	267984	24.328	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	261716	23.816	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	237833	24.076	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	16460	24.043	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	210020	24.786	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	165616	24.656	ug/L	98
69) Naphthalene	15.36	128	268262	24.659	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	140785	23.754	ug/L	97

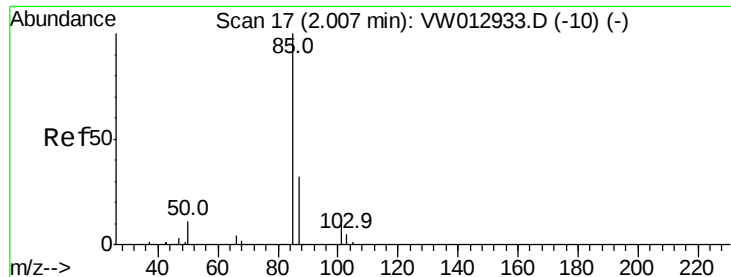
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 29.044 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

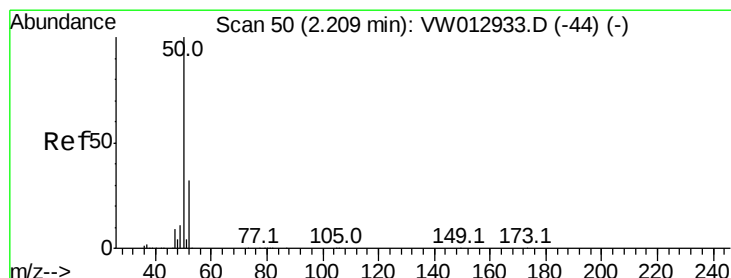
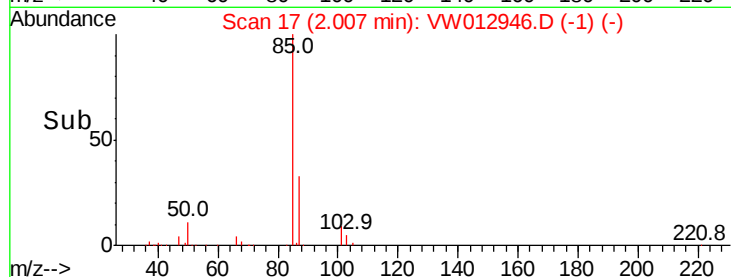
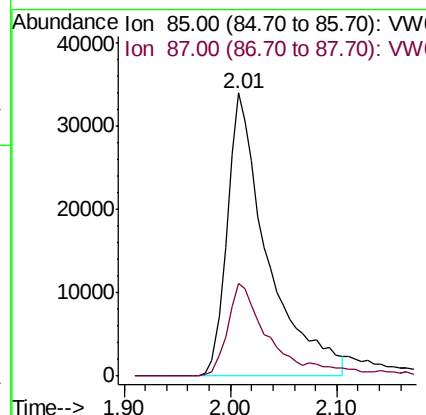
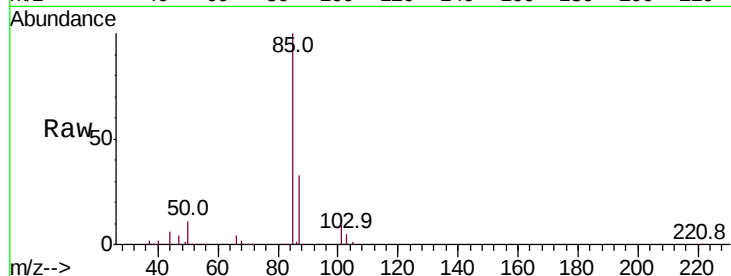
ClientSampleId :

Tot Ion: 85 Resp: 89979

Ion Ratio Lower Upper

85 100

87 30.1 20.1 37.3



#3

Chloromethane

Concen: 26.744 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012946.D

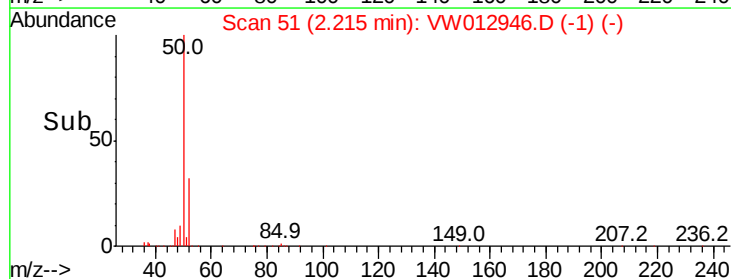
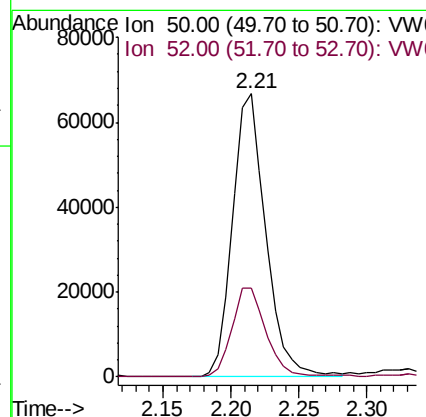
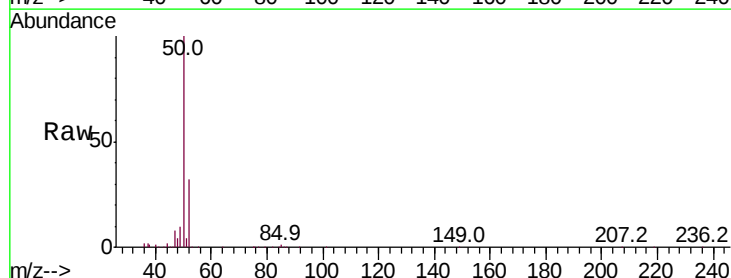
Acq: 13 Sep 2019 09:23

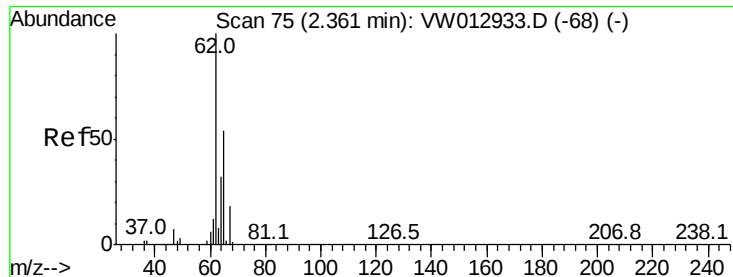
Tgt Ion: 50 Resp: 113043

Ion Ratio Lower Upper

50 100

52 31.6 23.5 43.7





#5

Vinyl chloride

Concen: 27.424 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

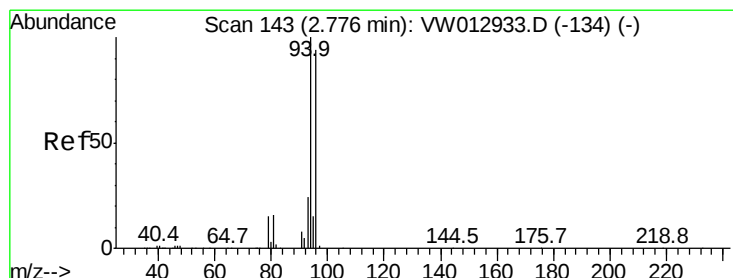
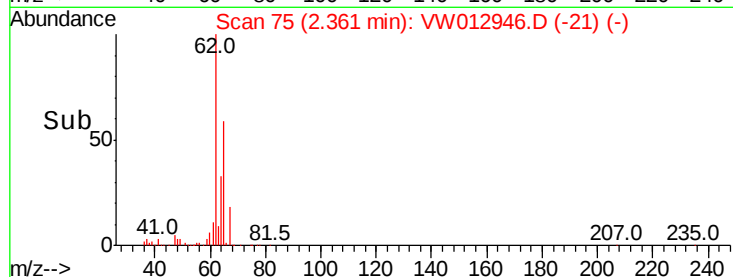
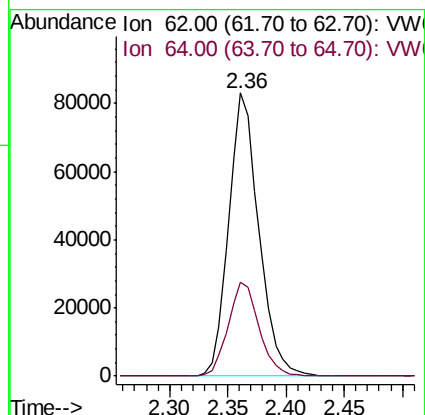
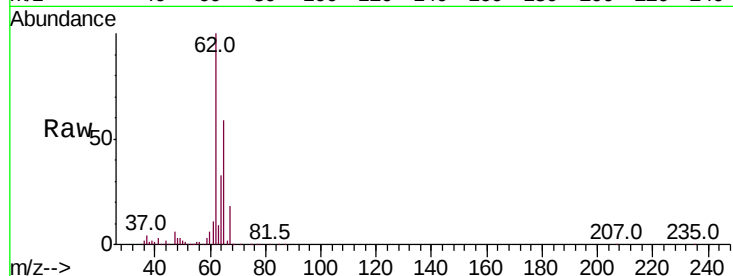
ClientSampled :

Tot Ion: 62 Resp: 149694

Ion Ratio Lower Upper

62 100

64 33.3 23.7 44.1



#6

Bromomethane

Concen: 26.358 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012946.D

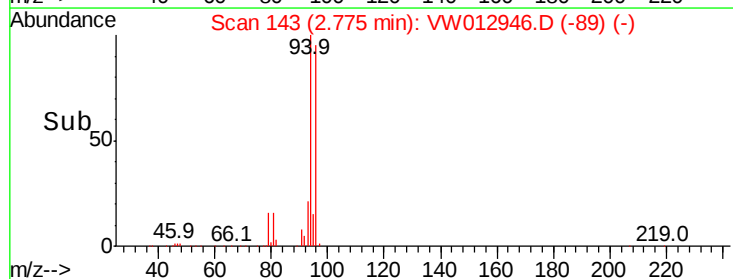
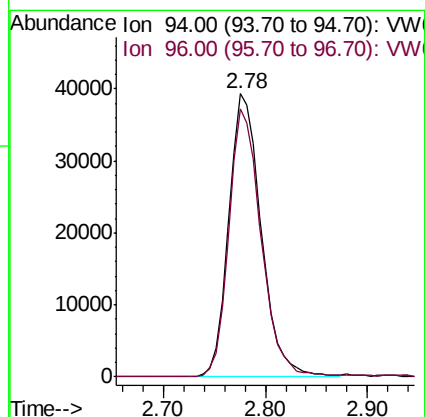
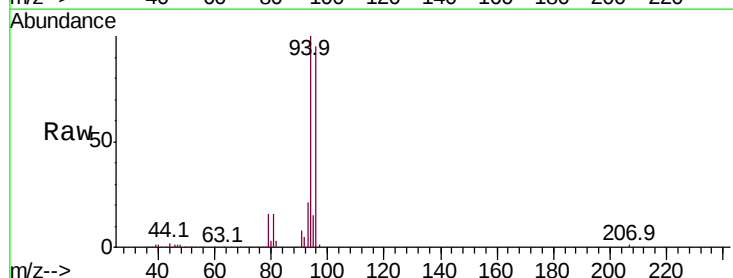
Acq: 13 Sep 2019 09:23

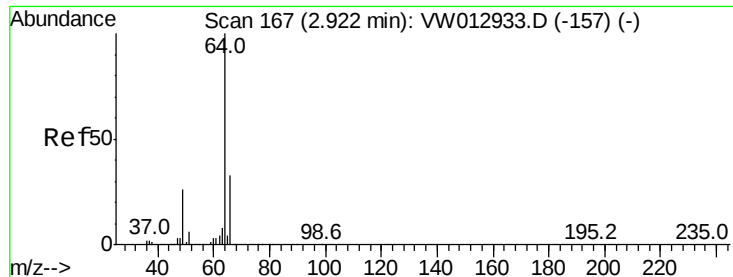
Tgt Ion: 94 Resp: 85933

Ion Ratio Lower Upper

94 100

96 94.4 9.3 176.9





#8

Chloroethane

Concen: 26.020 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

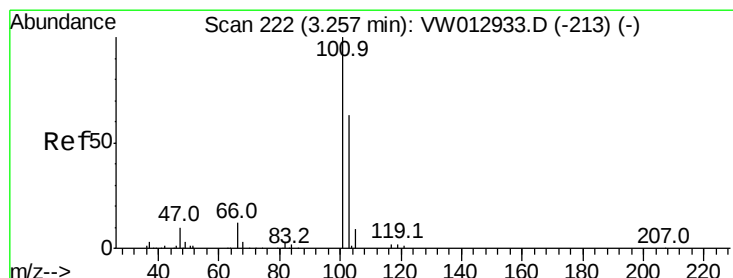
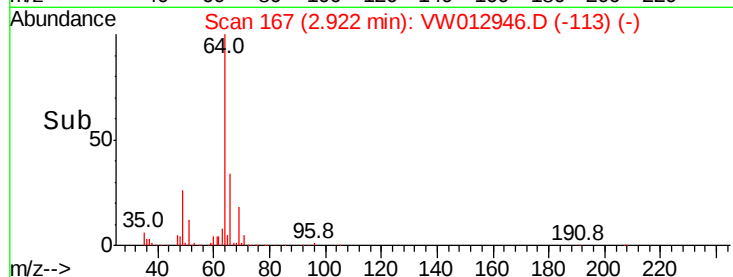
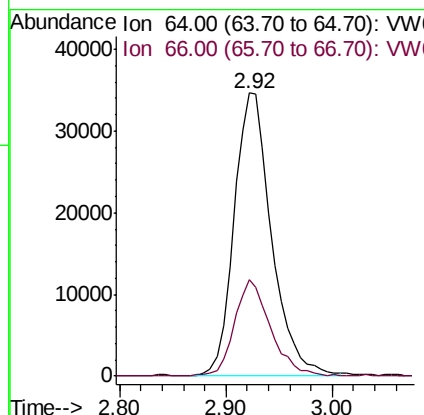
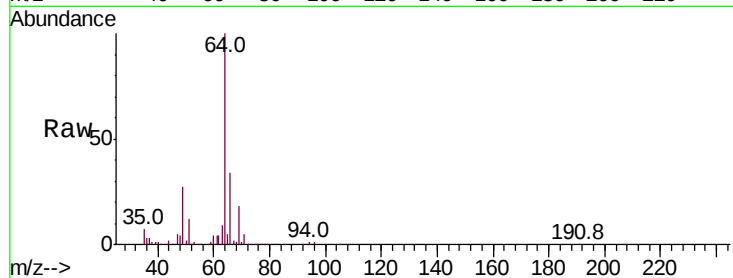
ClientSampleId :

Tot Ion: 64 Resp: 85639

Ion Ratio Lower Upper

64 100

66 34.3 22.1 41.1



#9

Trichlorofluoromethane

Concen: 28.258 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW012946.D

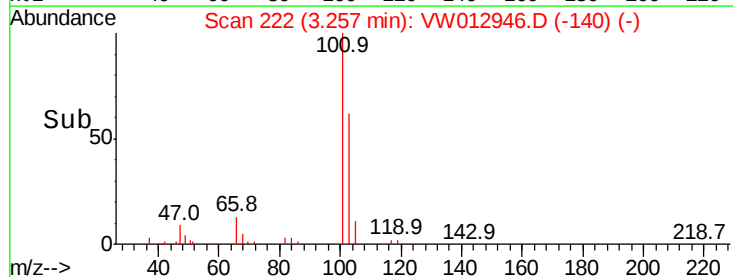
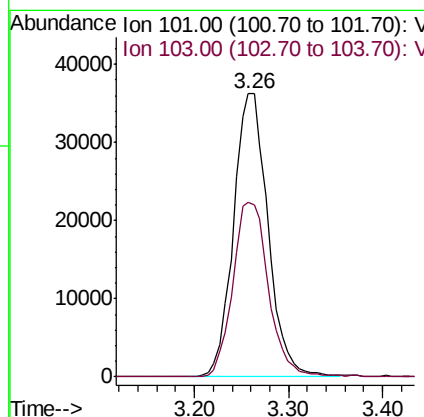
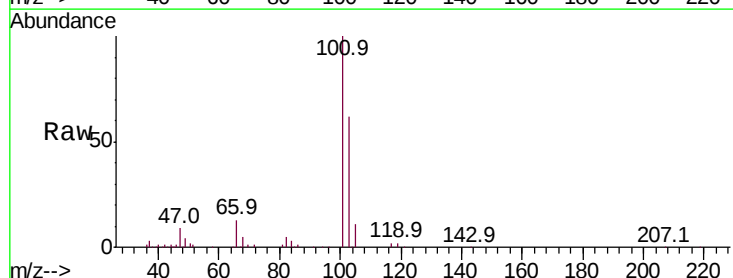
Acq: 13 Sep 2019 09:23

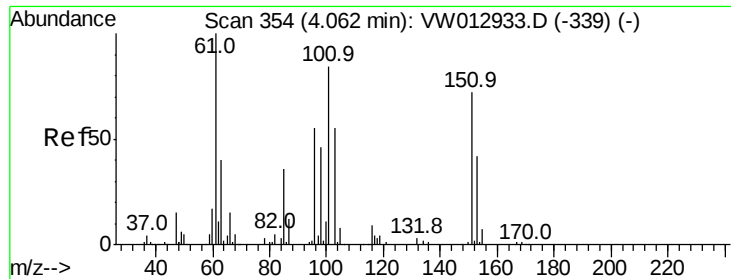
Tgt Ion: 101 Resp: 92470

Ion Ratio Lower Upper

101 100

103 63.5 45.9 85.3





#11

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

Concen: 25.994 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

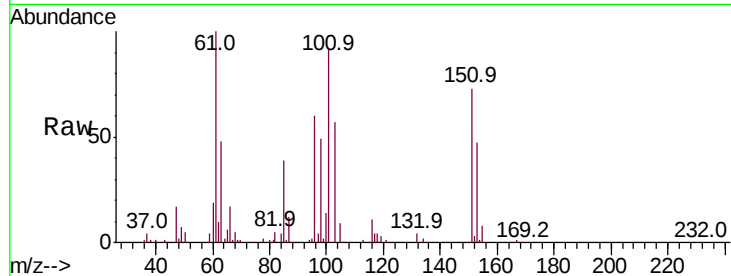
Tot Ion:101 Resp: 124562

Ion Ratio Lower Upper

101 100

85 42.1 34.6 52.0

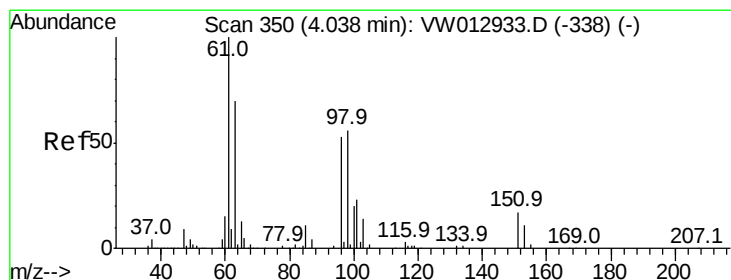
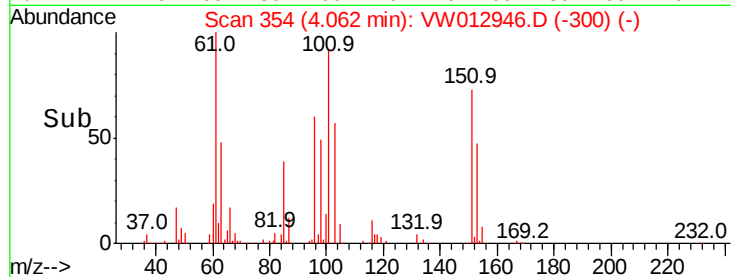
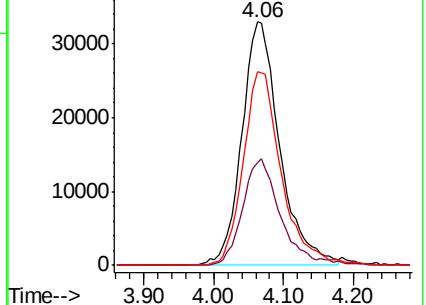
151 78.4 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.194 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

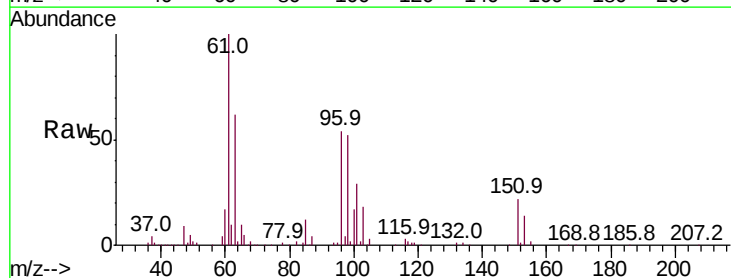
Tgt Ion: 96 Resp: 120572

Ion Ratio Lower Upper

96 100

61 183.5 135.3 251.3

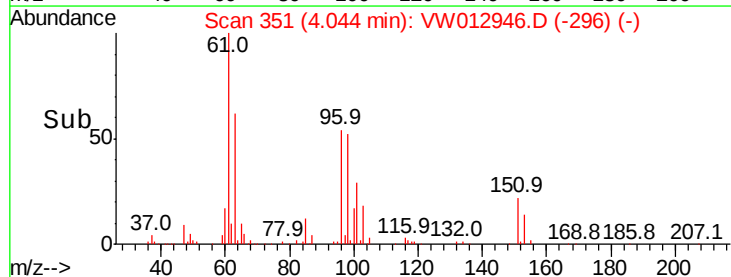
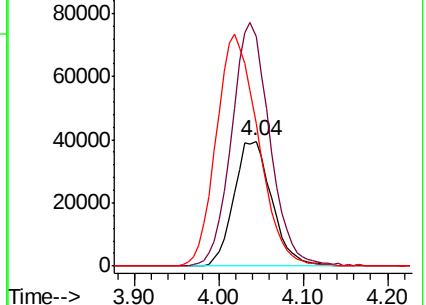
63 113.8 102.0 189.4

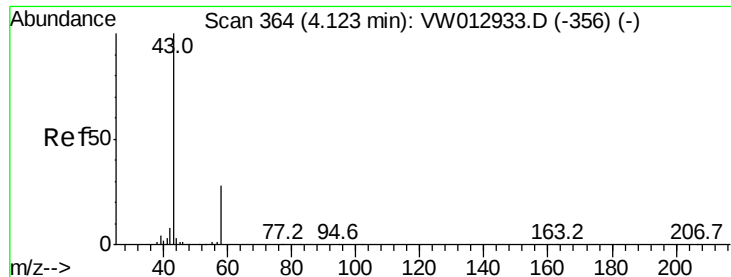


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.828 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

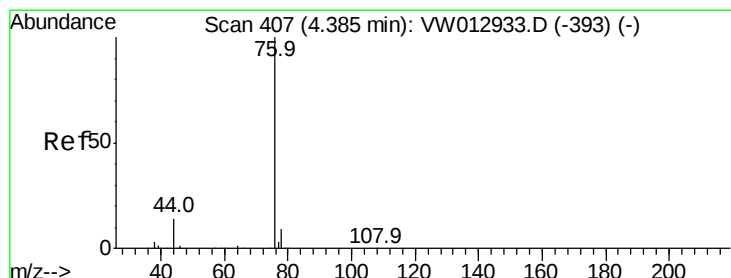
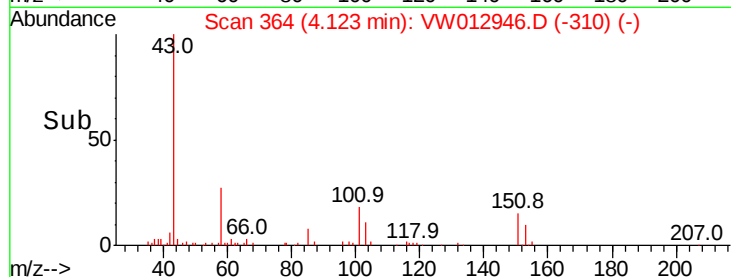
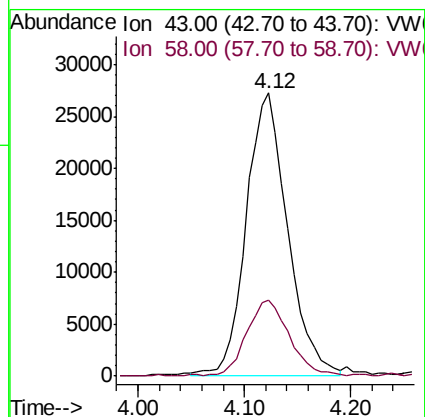
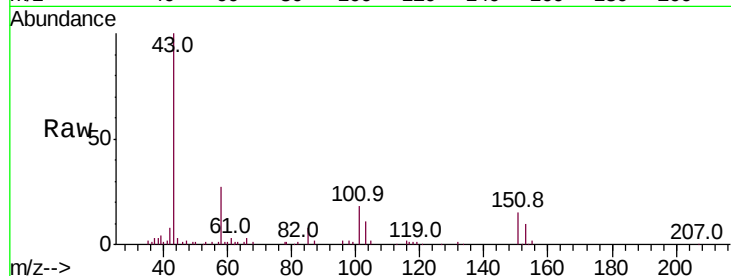
ClientSampled :

Tot Ion: 43 Resp: 73911

Ion Ratio Lower Upper

43 100

58 27.3 0.0 59.4



#14

Carbon disulfide

Concen: 26.299 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012946.D

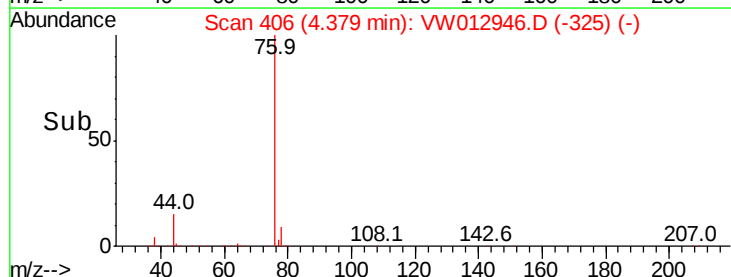
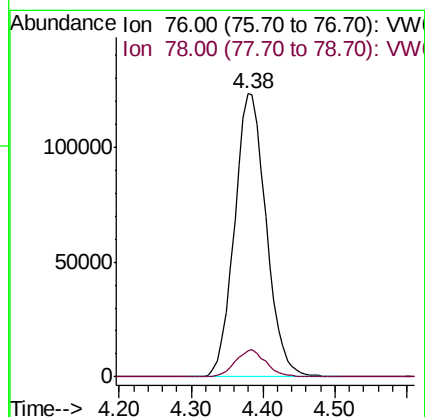
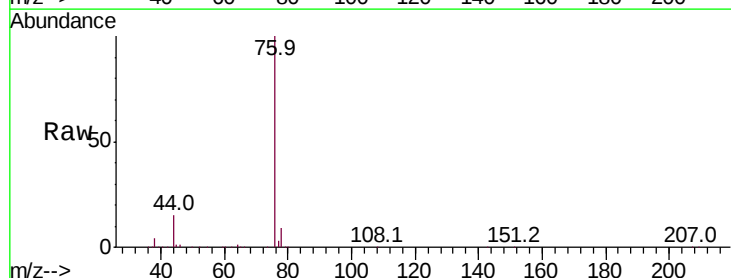
Acq: 13 Sep 2019 09:23

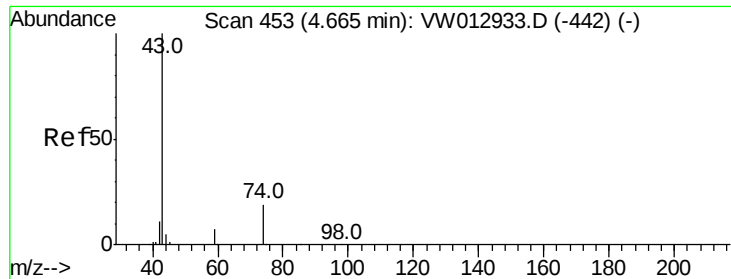
Tgt Ion: 76 Resp: 376276

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 23.516 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

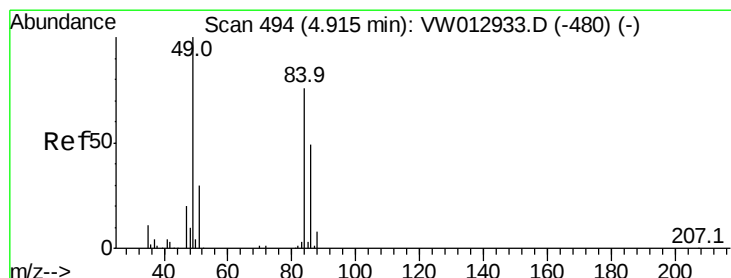
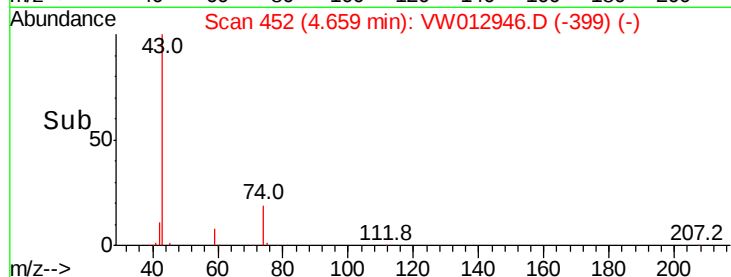
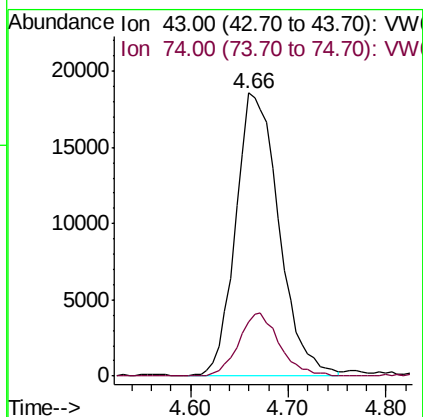
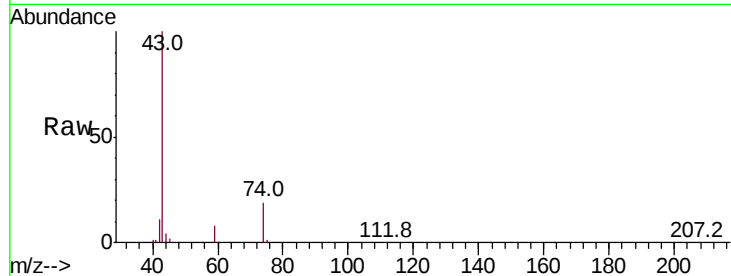
ClientSampled :

Tot Ion: 43 Resp: 57121

Ion Ratio Lower Upper

43 100

74 20.8 16.6 25.0



#16

Methylene chloride

Concen: 22.252 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

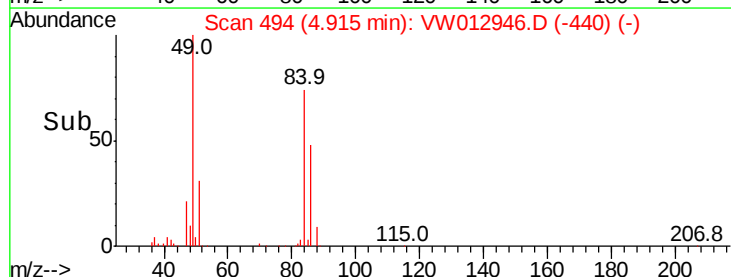
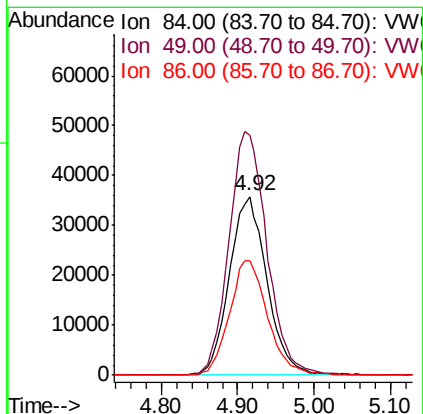
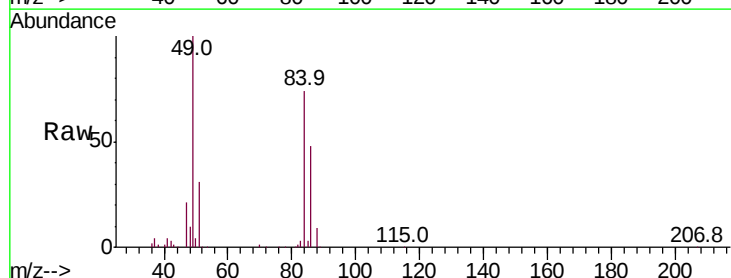
Tgt Ion: 84 Resp: 121923

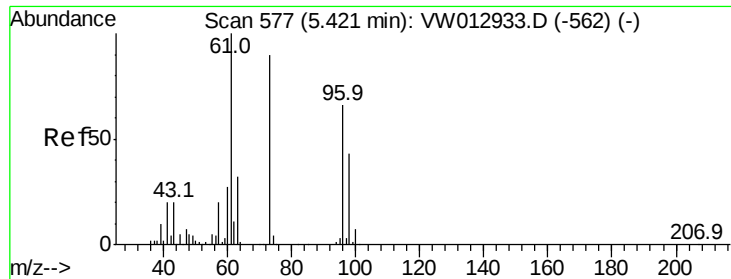
Ion Ratio Lower Upper

84 100

49 134.4 94.7 175.9

86 64.1 44.4 82.4

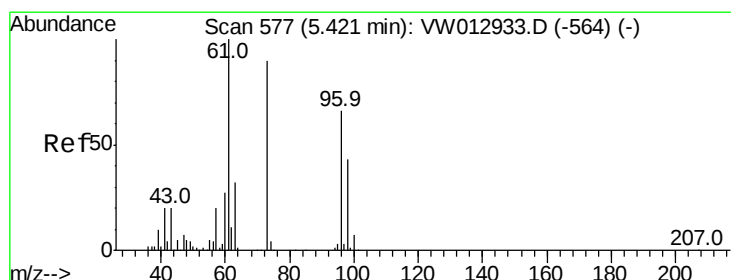
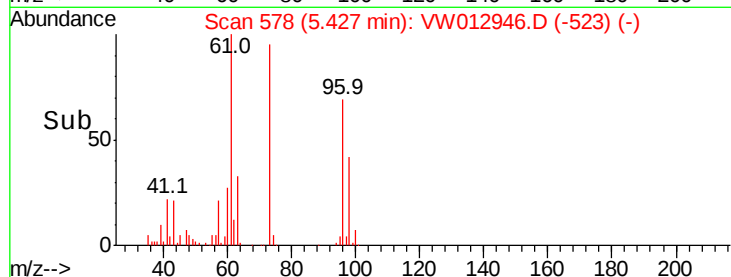
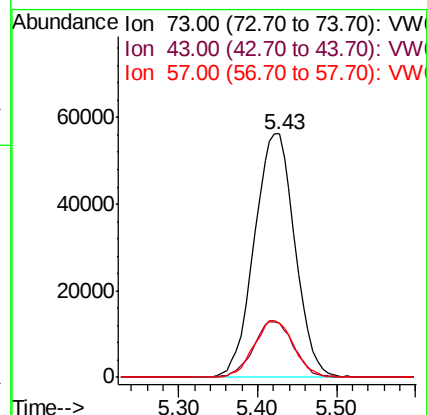
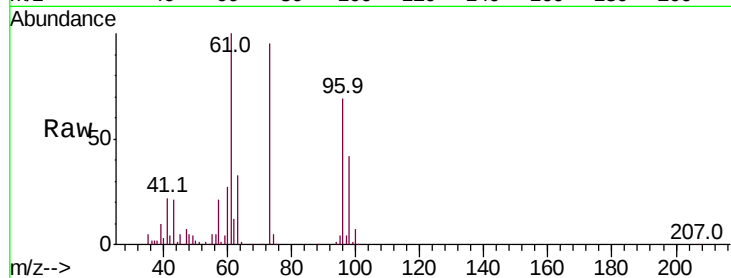




#17
Methvl tert-butvl Ether
Concen: 24.137 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

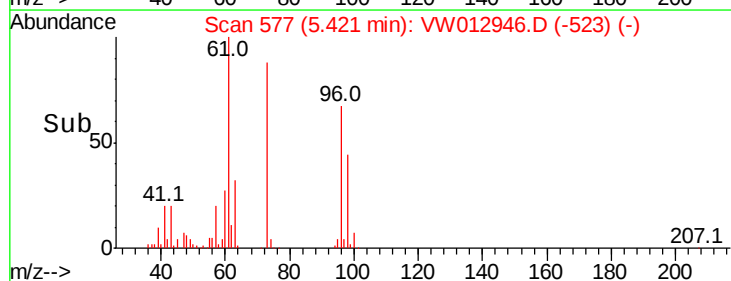
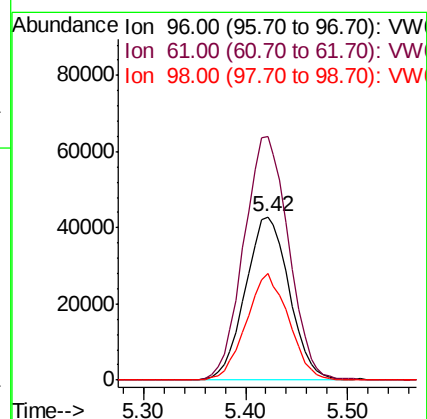
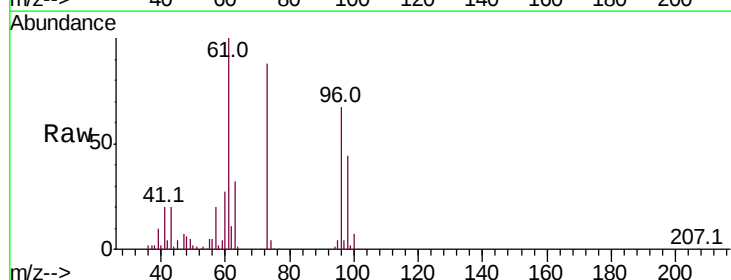
Instrument :
MSVOA_W
ClientSampled :

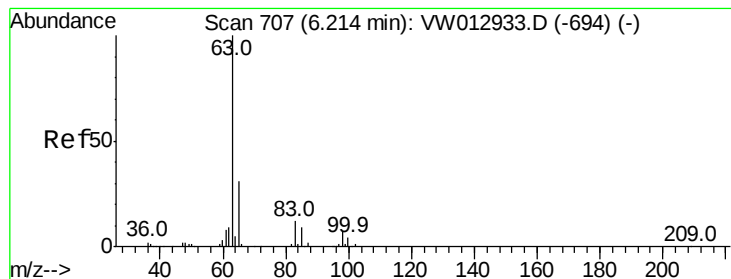
Tot Ion: 73 Resp: 200976
Ion Ratio Lower Upper
73 100
43 22.8 18.0 27.0
57 23.1 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 25.030 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

Tgt Ion: 96 Resp: 128471
Ion Ratio Lower Upper
96 100
61 148.8 104.0 193.1
98 65.1 44.0 81.8





#19

1,1-Dichloroethane

Concen: 24.758 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampled :

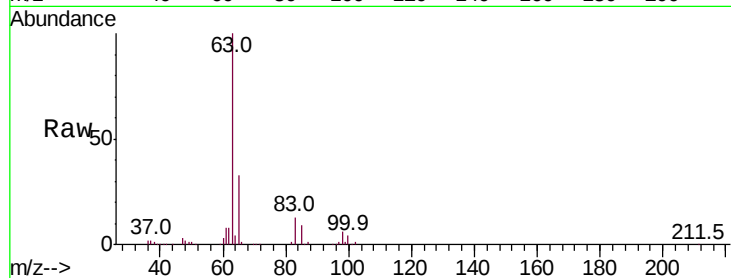
Tot Ion: 63 Resp: 240775

Ion Ratio Lower Upper

63 100

65 32.7 22.0 41.0

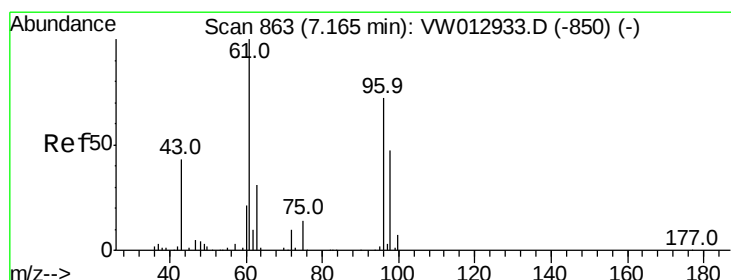
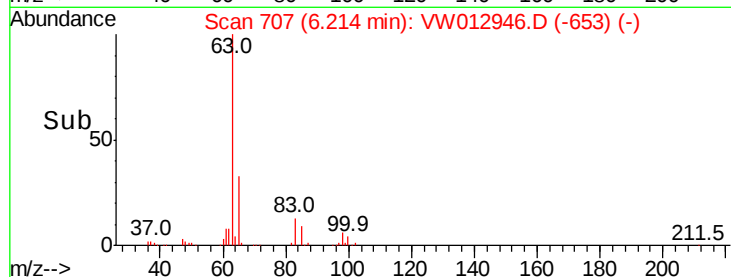
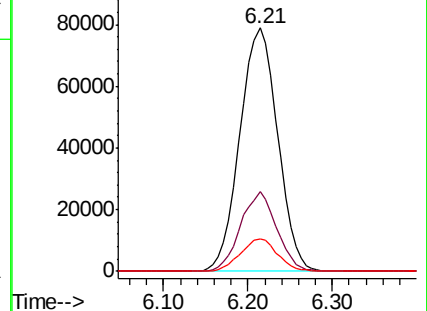
83 13.2 8.9 16.5



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: 53.112 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012946.D

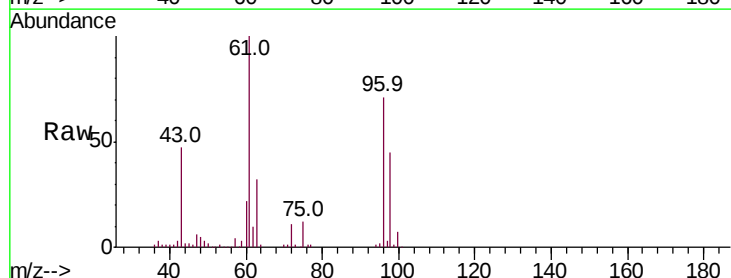
Acq: 13 Sep 2019 09:23

Tgt Ion: 43 Resp: 91004

Ion Ratio Lower Upper

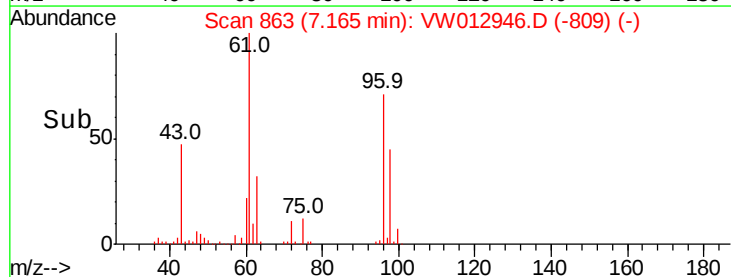
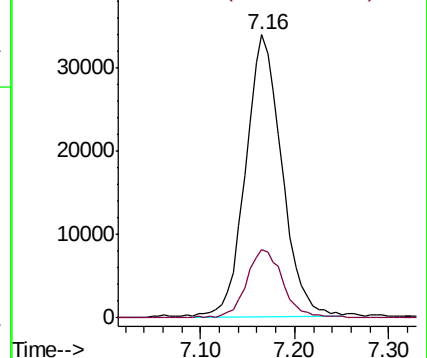
43 100

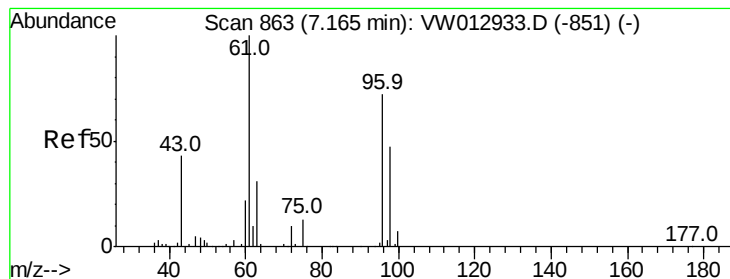
72 24.4 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



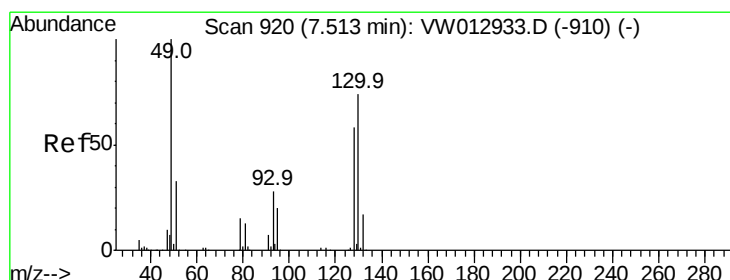
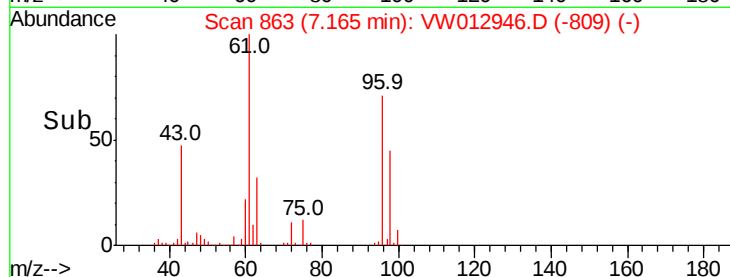
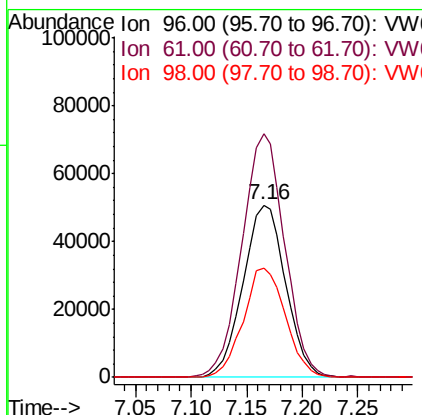
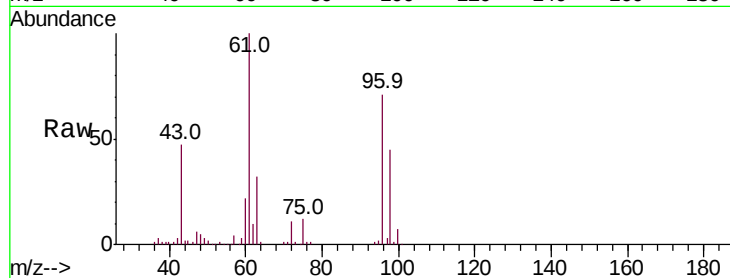


#22

cis-1,2-Dichloroethene
Concen: 24.839 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

Instrument :
MSVOA_W
ClientSampled :

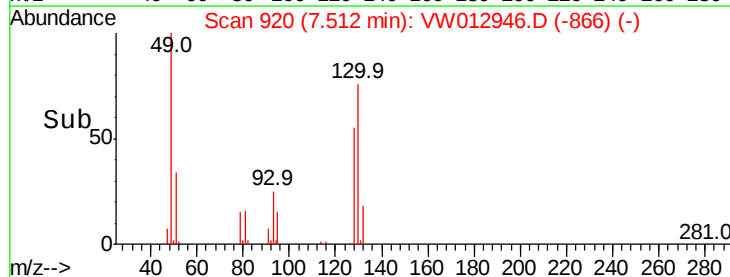
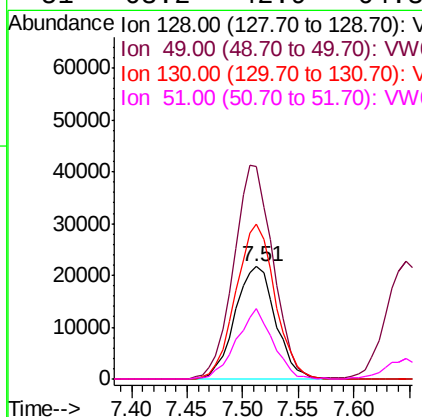
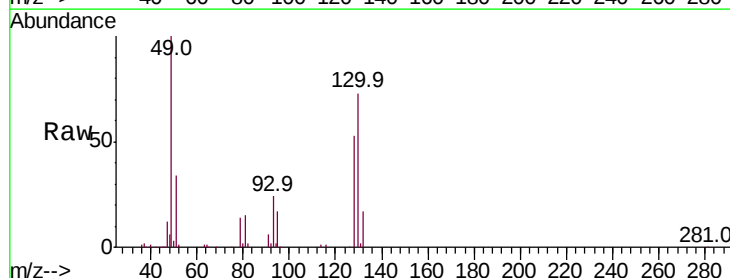
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	99.5	184.7
98	63.6	45.6	84.6

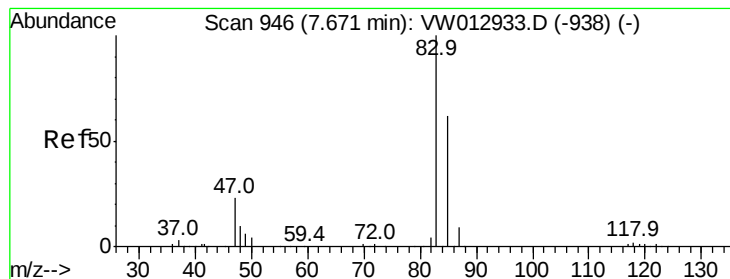


#23

Bromochloromethane
Concen: 23.275 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.6	125.7	233.5
130	137.4	89.0	165.4
51	63.2	42.9	64.3





#25

Chloroform

Concen: 24.275 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

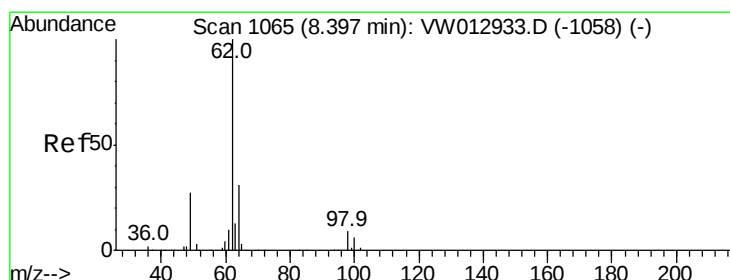
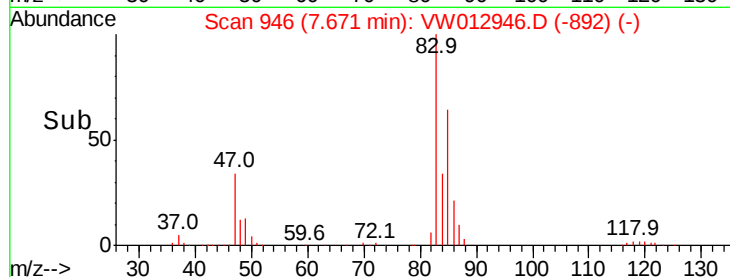
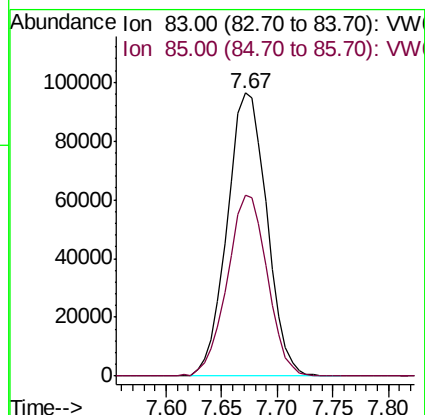
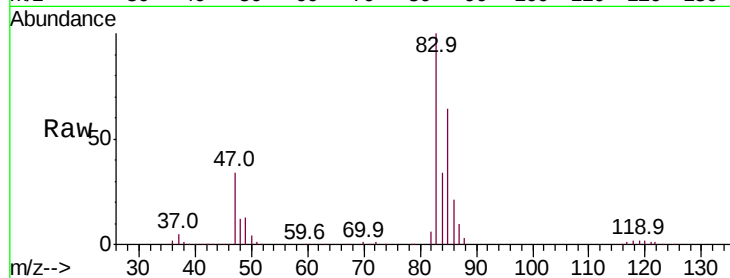
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 237721

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1



#27

1,2-Dichloroethane

Concen: 24.227 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012946.D

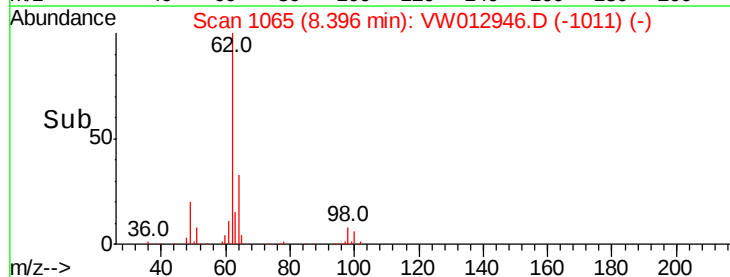
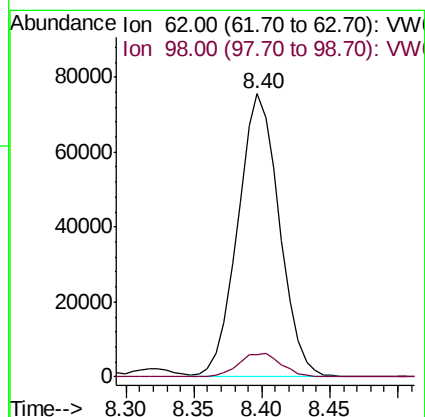
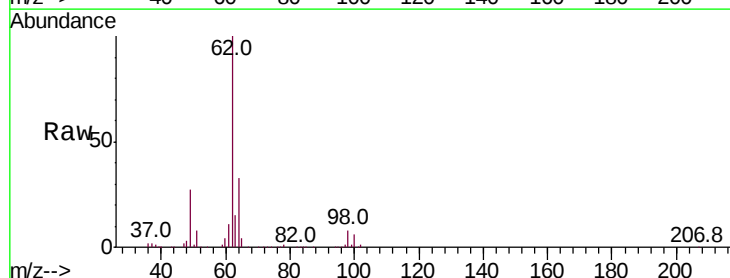
Acq: 13 Sep 2019 09:23

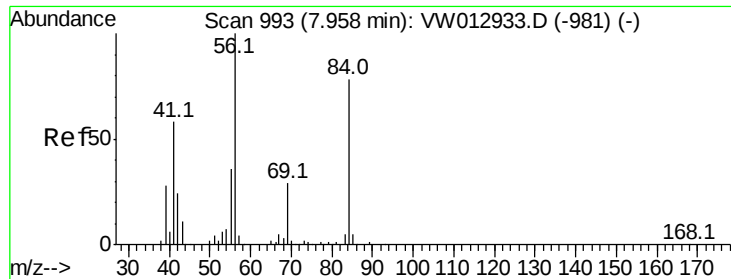
Tgt Ion: 62 Resp: 160334

Ion Ratio Lower Upper

62 100

98 7.8 6.7 10.1

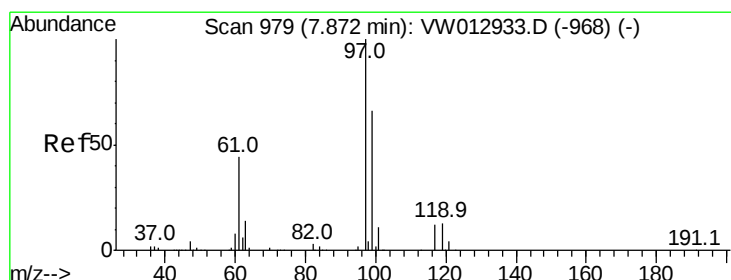
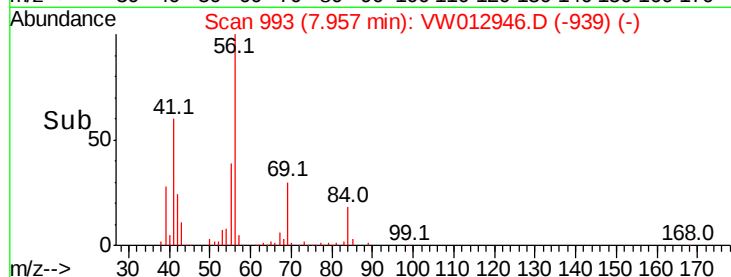
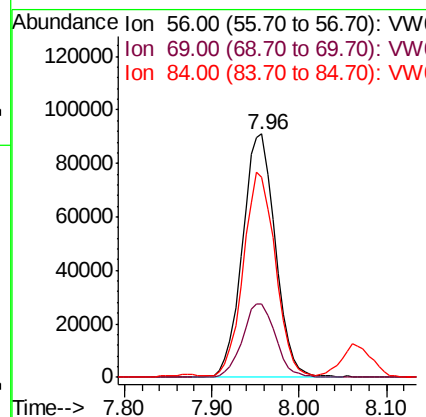
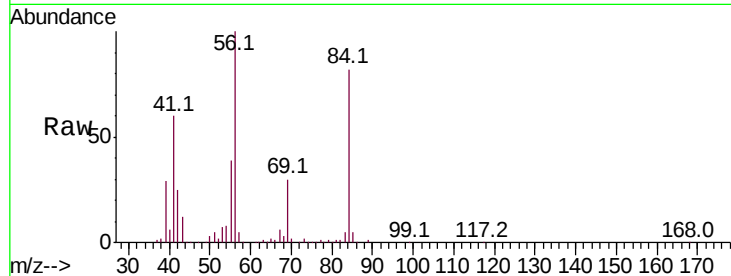




#30
Cvclohexane
Concen: 25.441 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

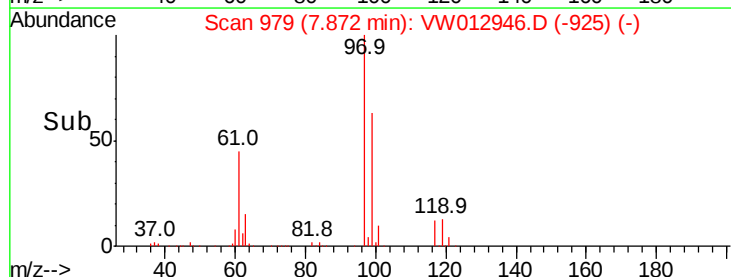
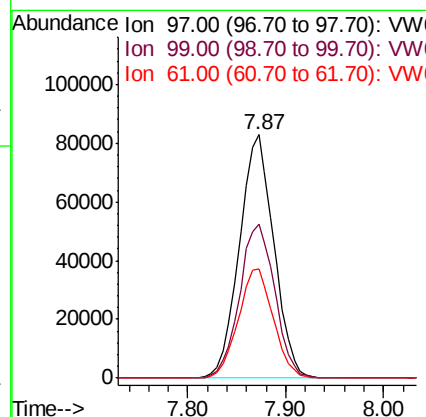
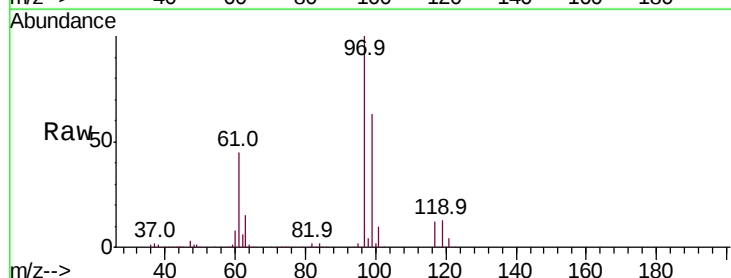
Instrument :
MSVOA_W
ClientSampleId :

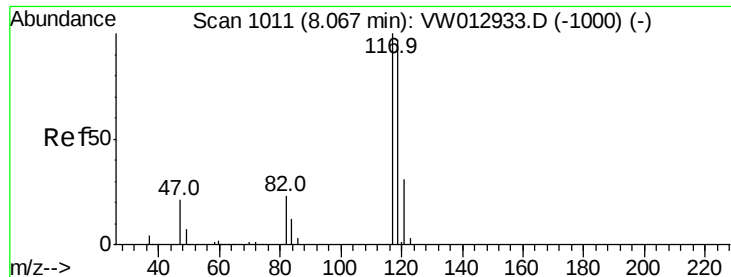
Tot Ion: 56 Resp: 237660
Ion Ratio Lower Upper
56 100
69 30.0 23.8 35.8
84 82.5 66.6 99.8



#31
1,1,1-Trichloroethane
Concen: 25.335 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

Tgt Ion: 97 Resp: 202398
Ion Ratio Lower Upper
97 100
99 64.9 50.3 75.5
61 45.5 36.3 54.5





#32

Carbon tetrachloride

Concen: 25.888 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

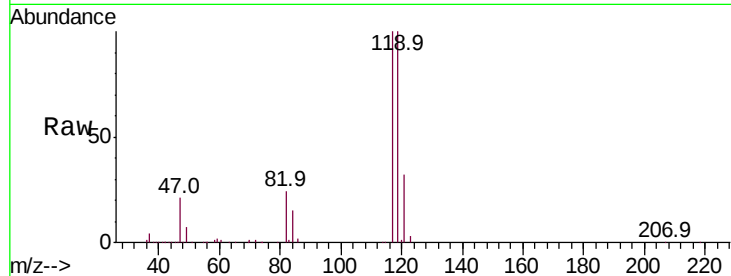
ClientSampleId :

Tot Ion:117 Resp: 193117

Ion Ratio Lower Upper

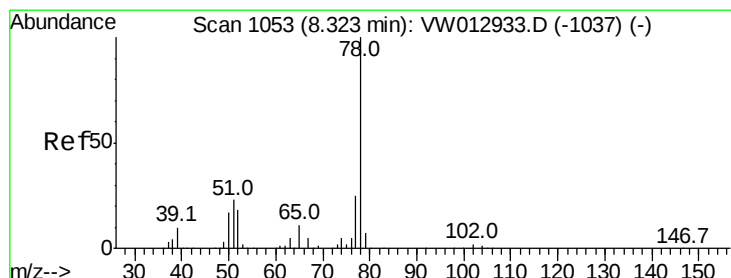
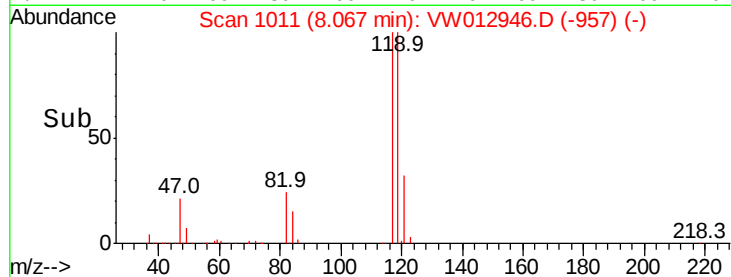
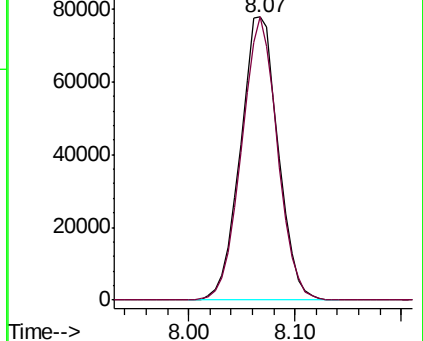
117 100

119 95.0 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.869 ug/L

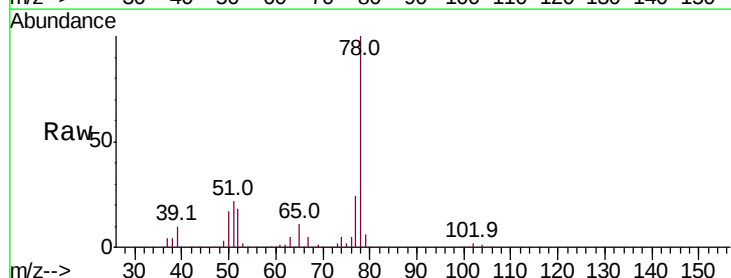
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

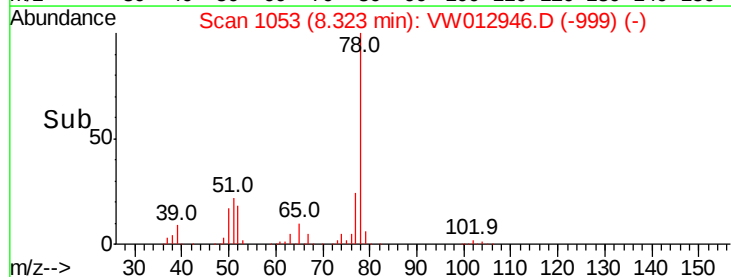
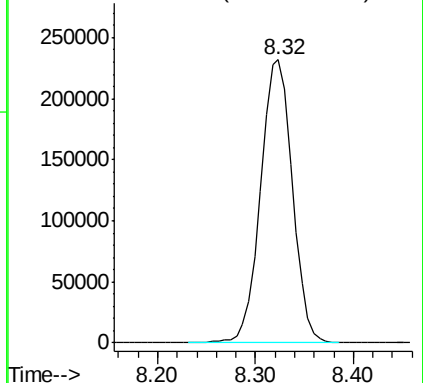
Lab File: VW012946.D

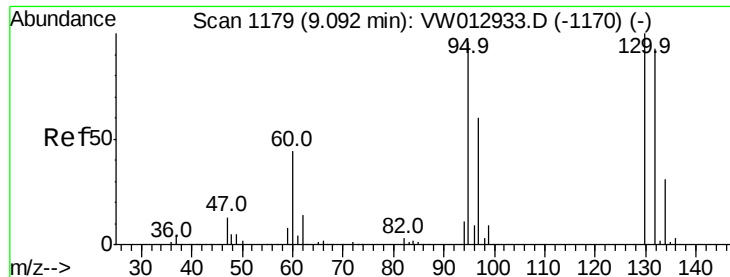
Acq: 13 Sep 2019 09:23

Tgt Ion: 78 Resp: 524154



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.787 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 137871

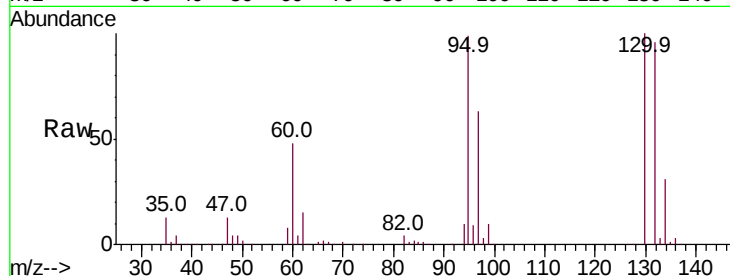
Ion Ratio Lower Upper

95 100

97 65.2 44.6 82.8

132 97.4 67.8 125.8

130 102.5 72.2 134.2

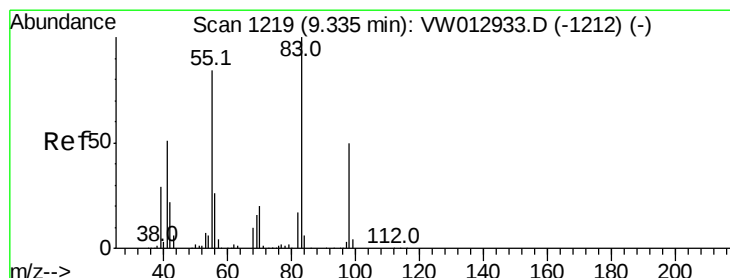
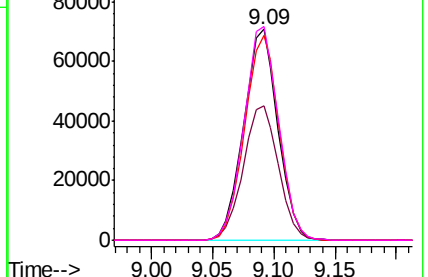
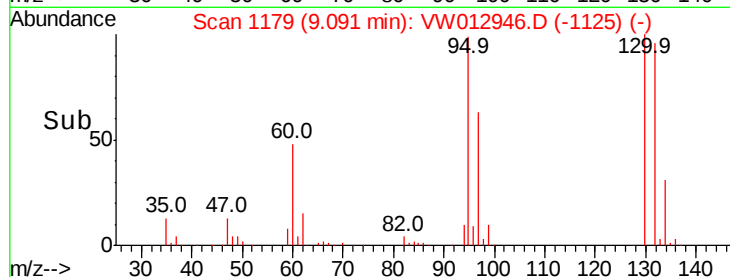


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.318 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

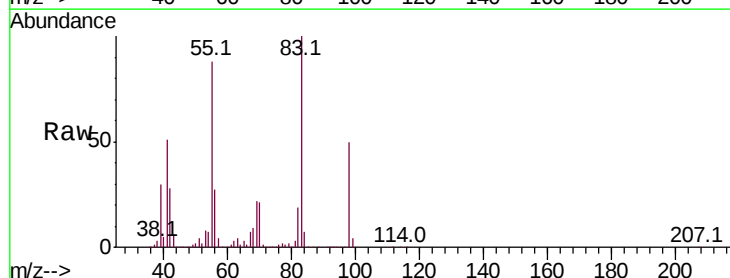
Tgt Ion: 83 Resp: 243527

Ion Ratio Lower Upper

83 100

55 85.3 68.3 102.5

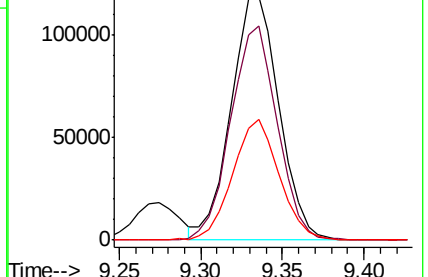
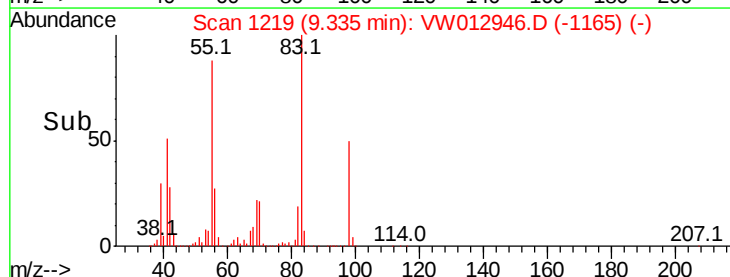
98 47.3 38.5 57.7

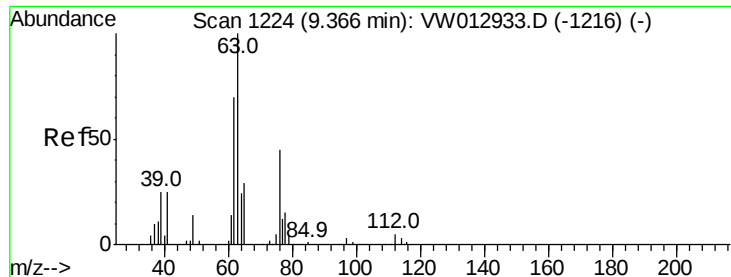


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.212 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

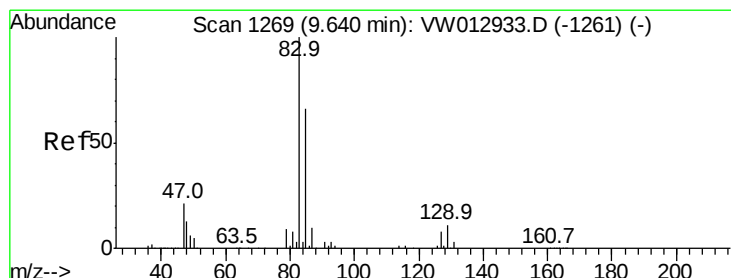
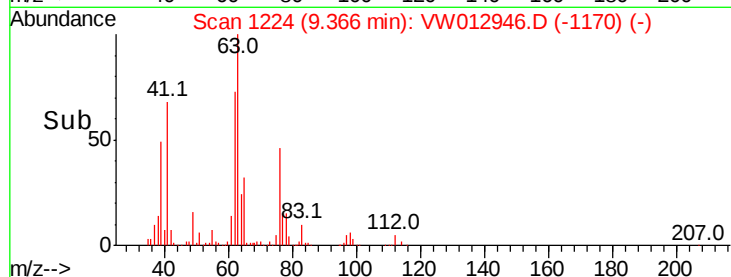
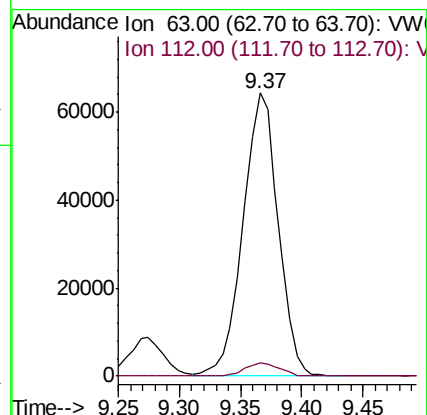
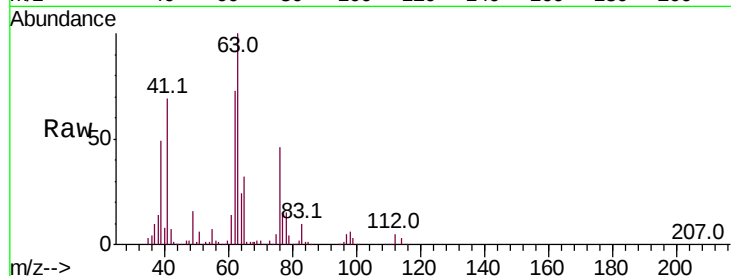
ClientSampleId :

Tot Ion: 63 Resp: 128358

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#41

Bromodichloromethane

Concen: 24.713 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

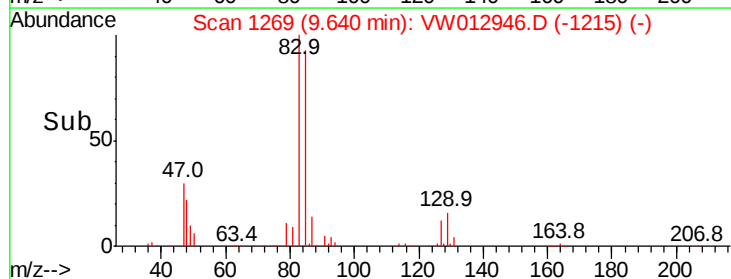
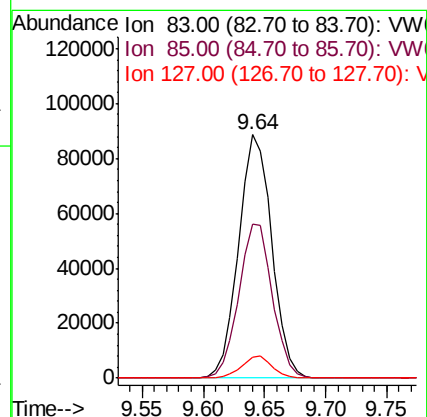
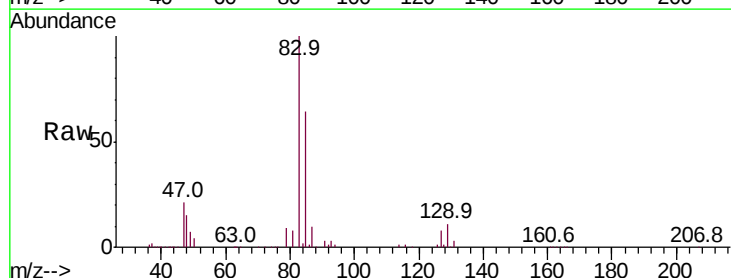
Tgt Ion: 83 Resp: 166905

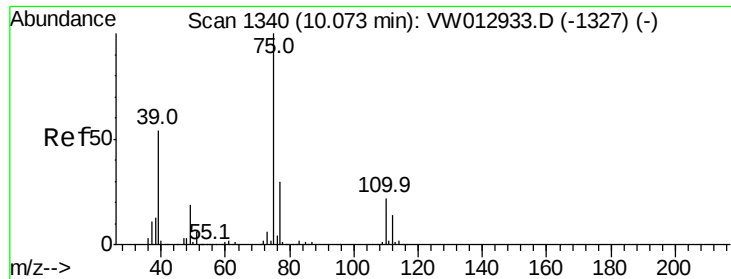
Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.4

127 8.4 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.357 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

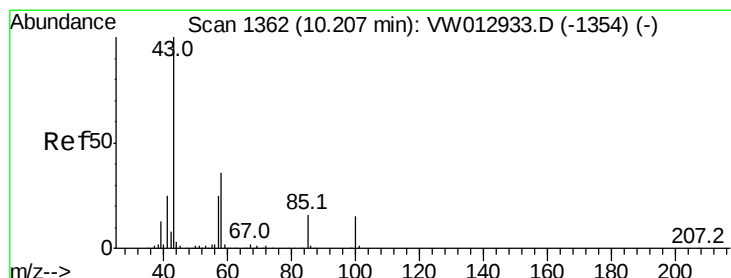
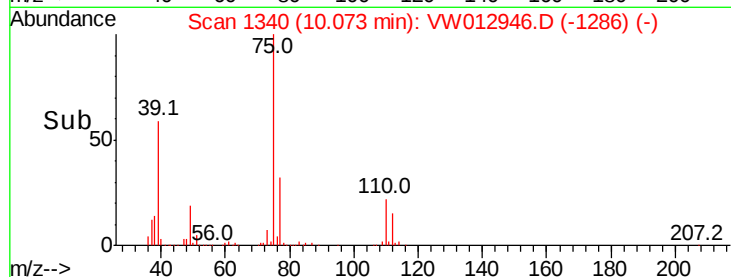
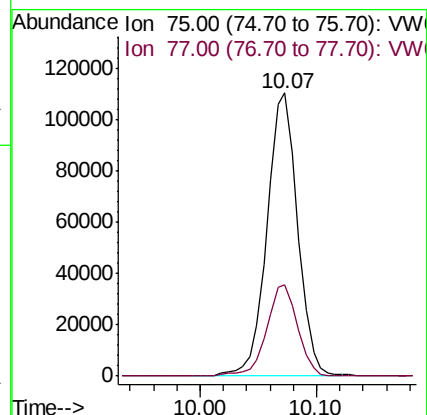
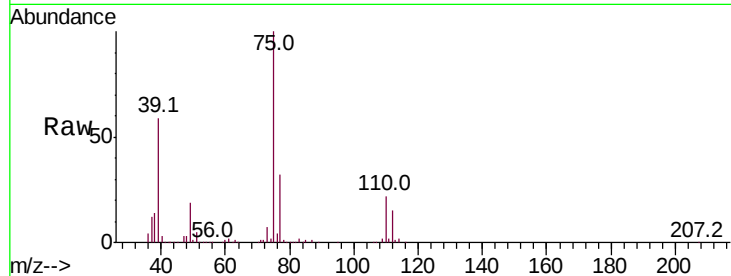
ClientSampleId :

Tot Ion: 75 Resp: 202880

Ion Ratio Lower Upper

75 100

77 32.4 21.6 40.0



#43

4-Methyl-2-pentanone

Concen: 49.358 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

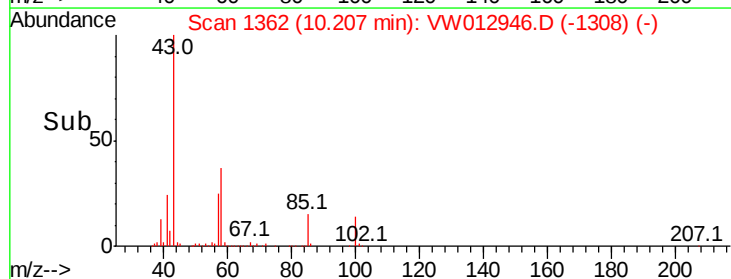
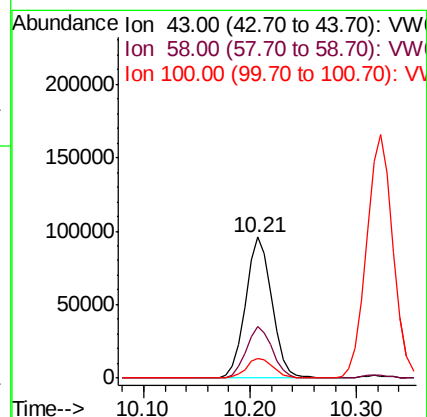
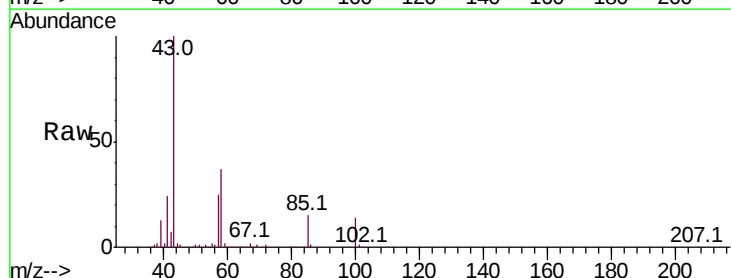
Tgt Ion: 43 Resp: 166465

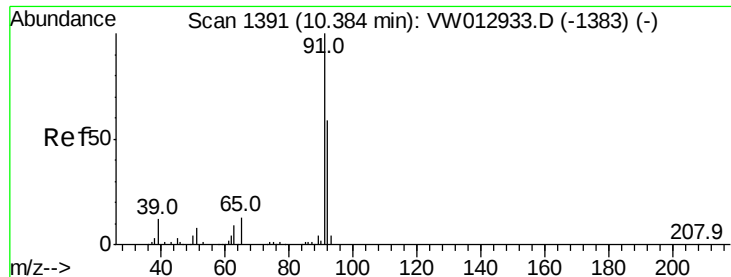
Ion Ratio Lower Upper

43 100

58 36.4 29.5 44.3

100 14.1 11.5 17.3





#44

Toluene

Concen: 24.682 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

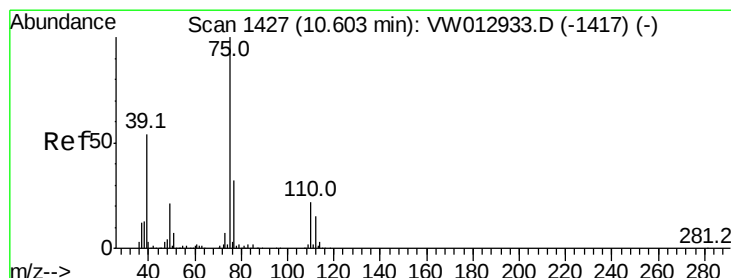
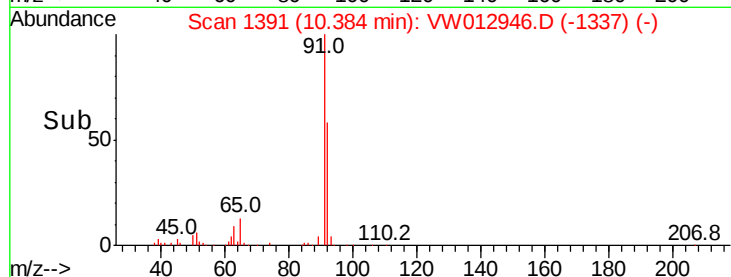
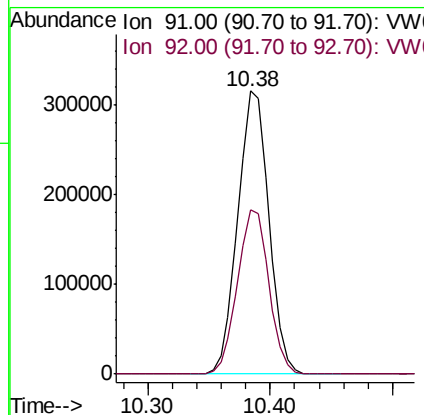
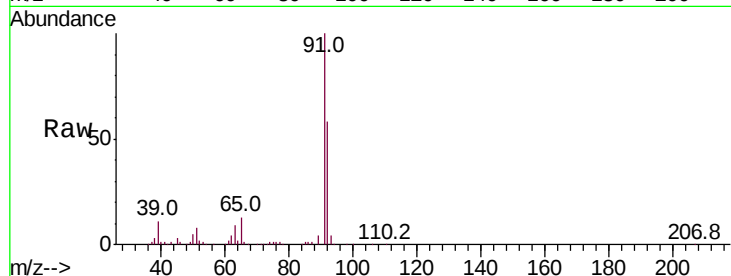
ClientSampleId :

Tot Ion: 91 Resp: 556629

Ion Ratio Lower Upper

91 100

92 58.1 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.518 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012946.D

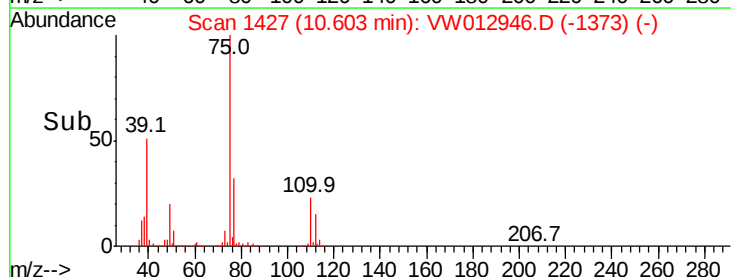
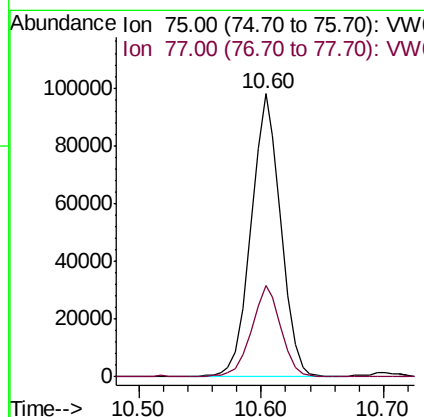
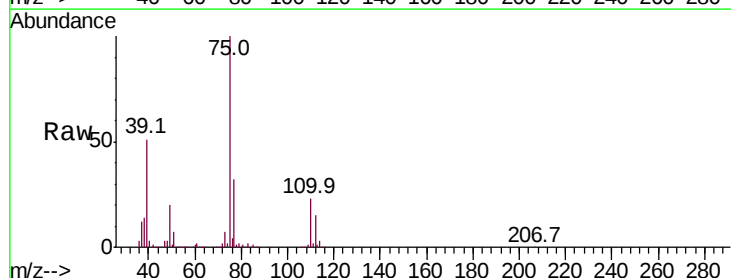
Acq: 13 Sep 2019 09:23

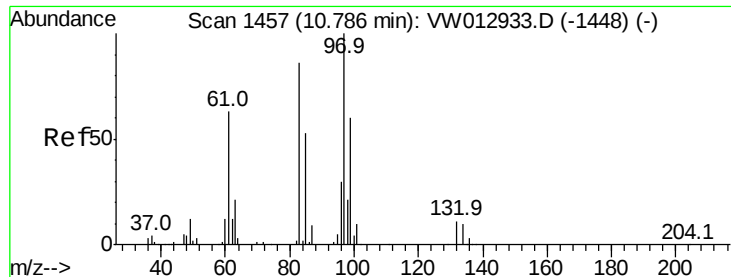
Tgt Ion: 75 Resp: 165534

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 23.711 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 84531

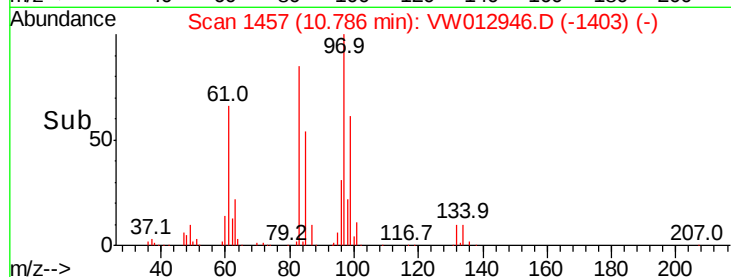
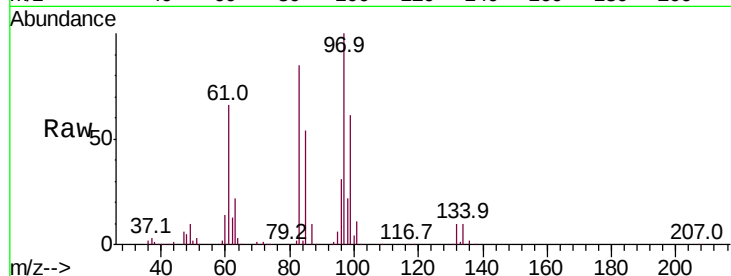
Ion	Ratio	Lower	Upper
97	100		
83	85.3	60.6	112.6
85	54.3	37.5	69.6
99	61.1	43.2	80.2

97 100

83 85.3 60.6 112.6

85 54.3 37.5 69.6

99 61.1 43.2 80.2



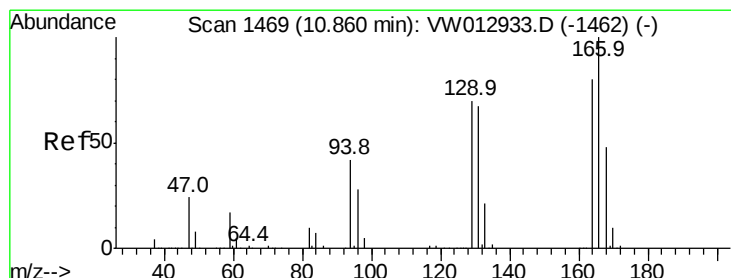
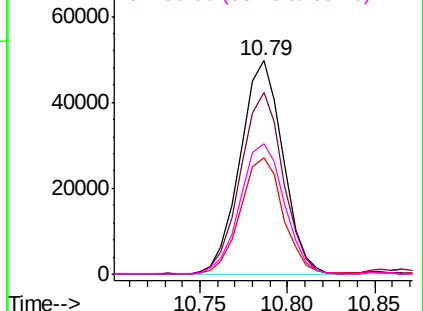
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.709 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Tgt Ion: 164 Resp: 118348

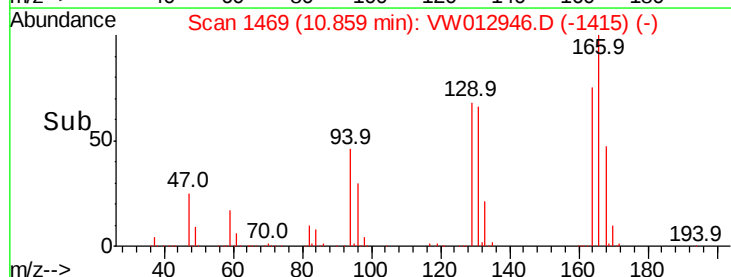
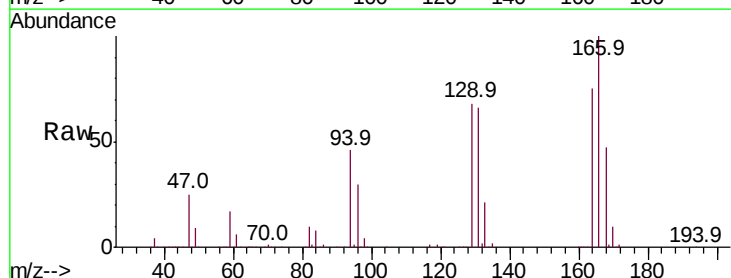
Ion	Ratio	Lower	Upper
164	100		
129	90.7	62.6	116.3
131	88.1	60.0	111.4
166	133.4	86.5	160.6

164 100

129 90.7 62.6 116.3

131 88.1 60.0 111.4

166 133.4 86.5 160.6



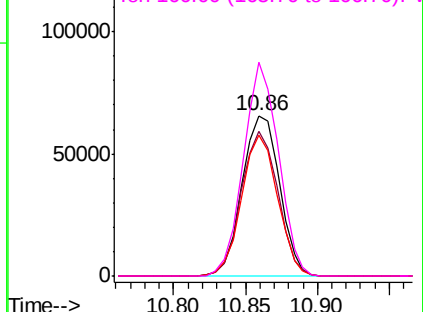
Abundance

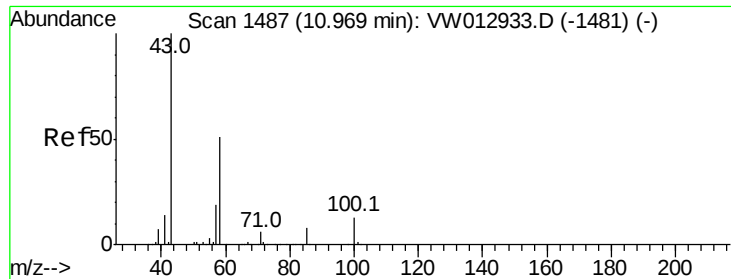
Ion 164.00 (163.70 to 164.70): V

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: 52.366 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

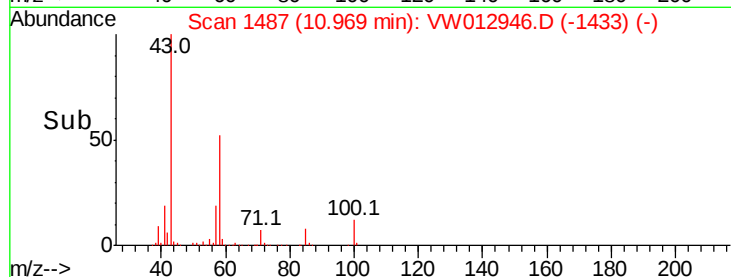
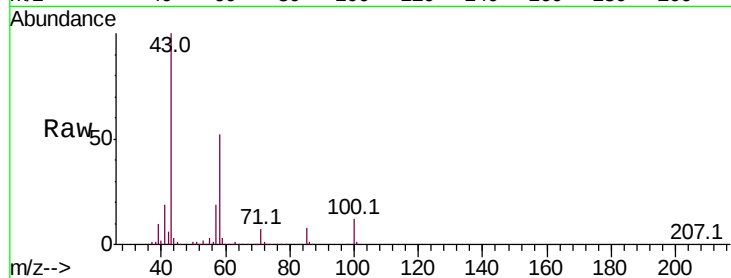
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 130547

Ion	Ratio	Lower	Upper
43	100		
58	51.9	42.4	63.6
57	18.3	15.0	22.6
100	11.1	9.0	13.6

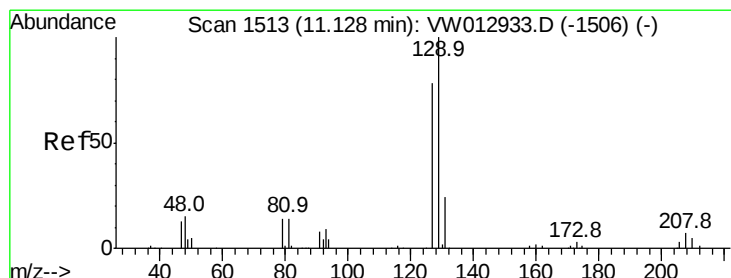


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.249 ug/L

RT: 11.13 min Scan# 1513

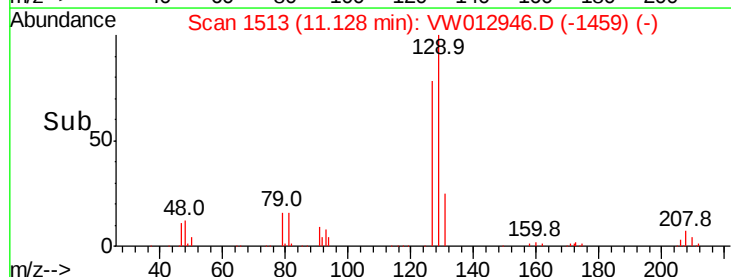
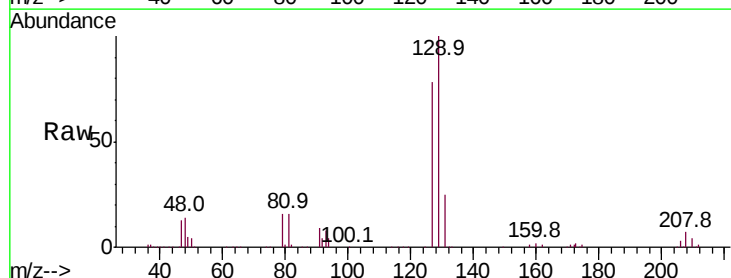
Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

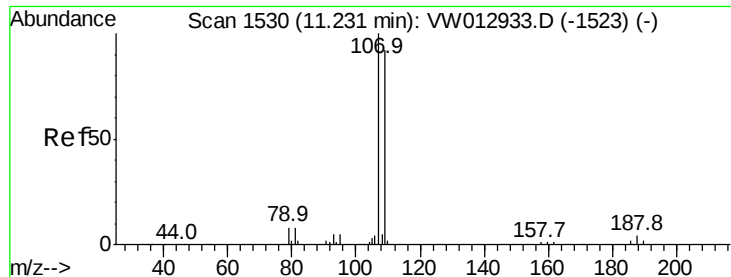
Tgt Ion: 129 Resp: 105289

Ion	Ratio	Lower	Upper
129	100		
127	78.1	52.7	97.9



Abundance Ion 129.00 (128.70 to 129.70): V

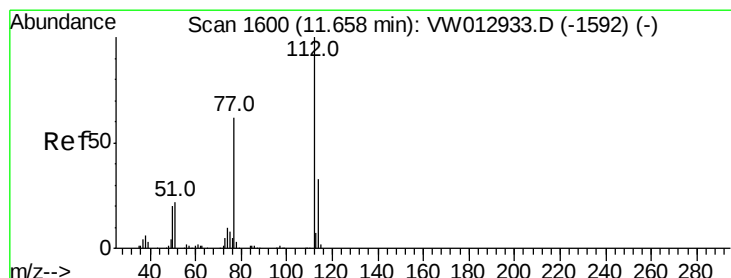
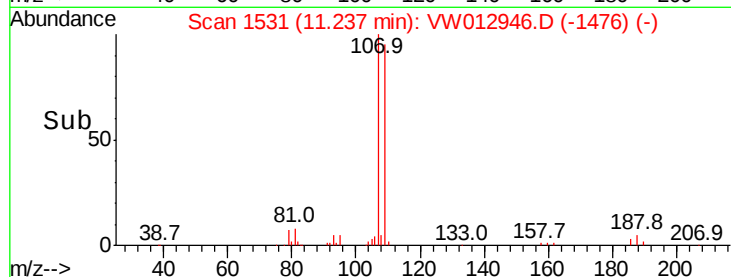
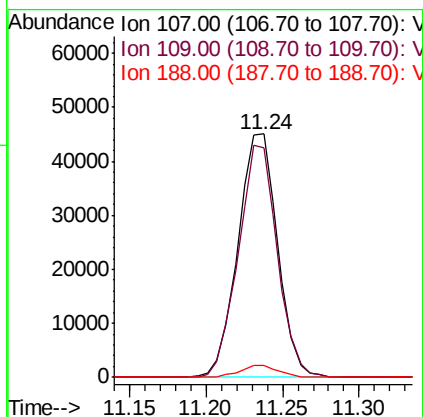
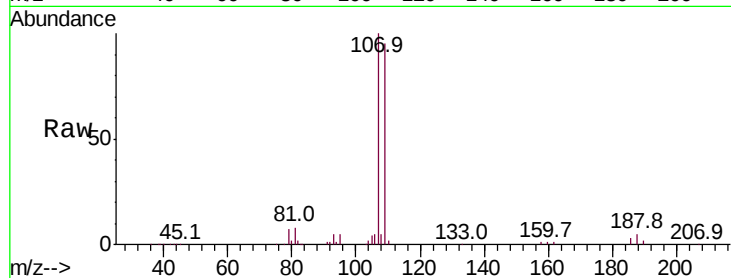
Ion 127.00 (126.70 to 127.70): V



#51
1,2-Dibromoethane
Concen: 23.654 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

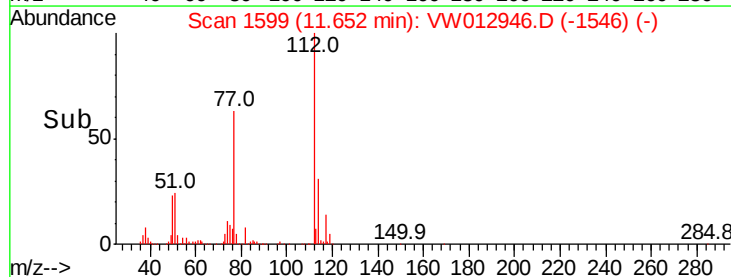
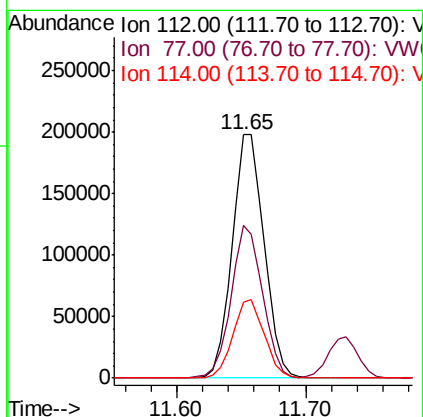
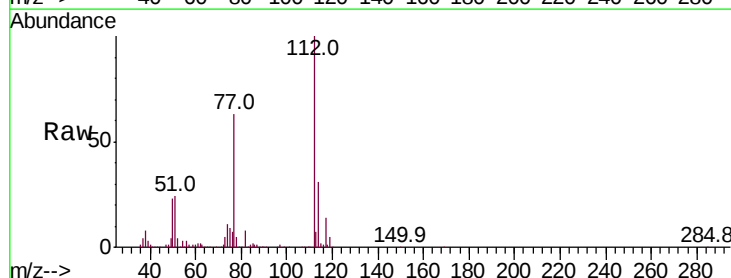
Instrument :
MSVOA_W
ClientSampleId :

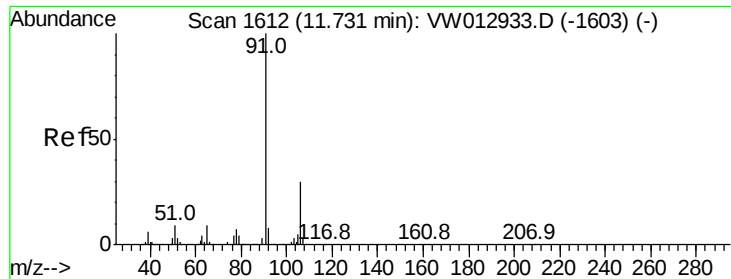
Tot Ion:107 Resp: 81118
Ion Ratio Lower Upper
107 100
109 94.5 62.6 116.3
188 5.1 4.2 6.2



#52
Chlorobenzene
Concen: 24.202 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

Tgt Ion:112 Resp: 341022
Ion Ratio Lower Upper
112 100
77 62.8 47.7 71.5
114 31.0 21.6 40.0





#53

Ethylbenzene

Concen: 24.537 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

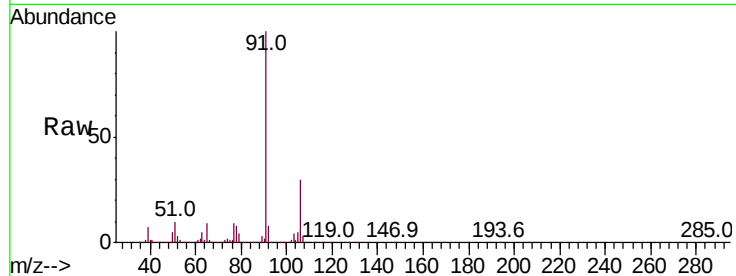
ClientSampleId :

Tot Ion: 91 Resp: 628032

Ion Ratio Lower Upper

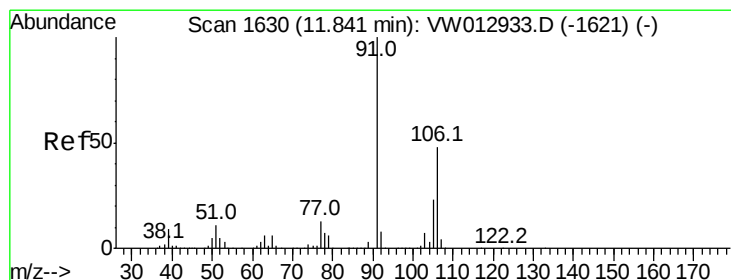
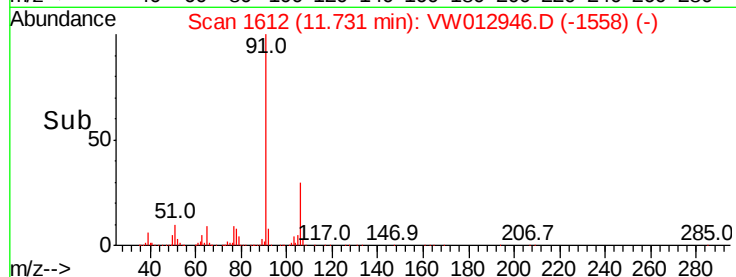
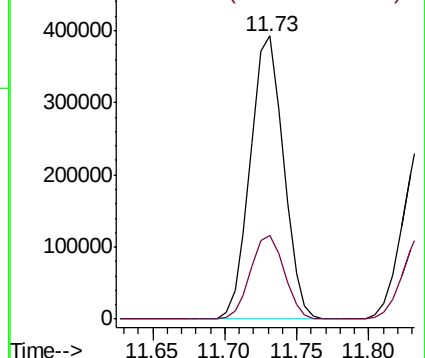
91 100

106 29.6 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.471 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012946.D

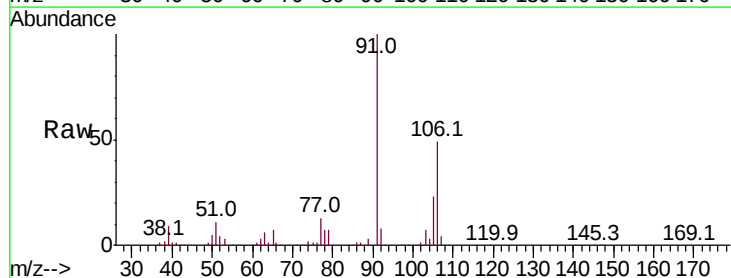
Acq: 13 Sep 2019 09:23

Tgt Ion: 106 Resp: 234171

Ion Ratio Lower Upper

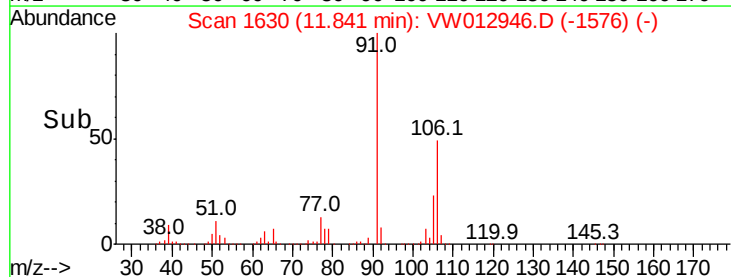
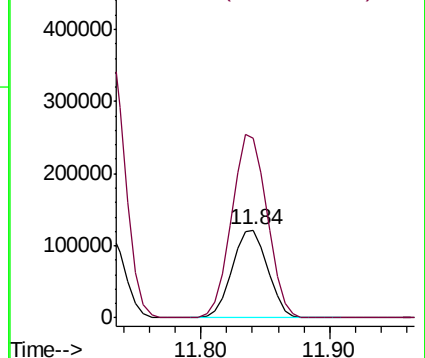
106 100

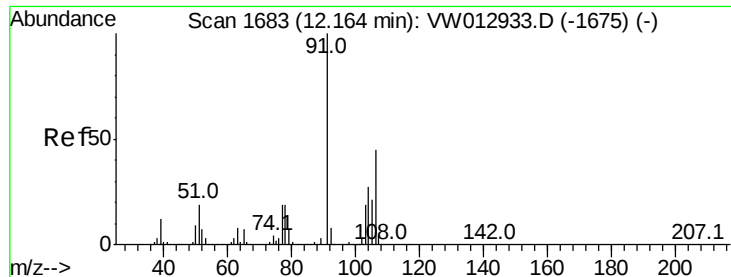
91 205.2 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

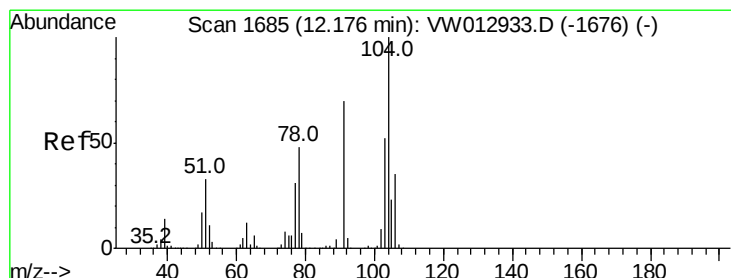
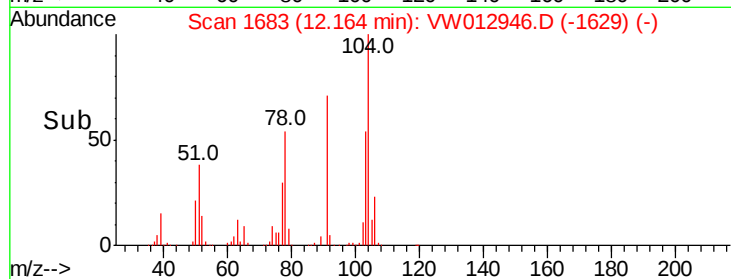
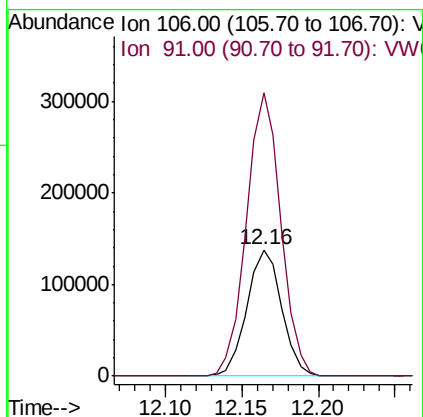
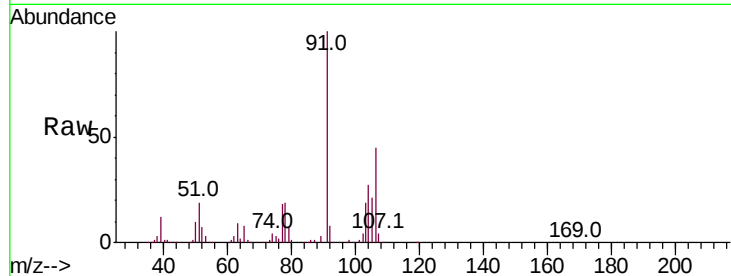




#55
o-xylene
Concen: 24.253 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

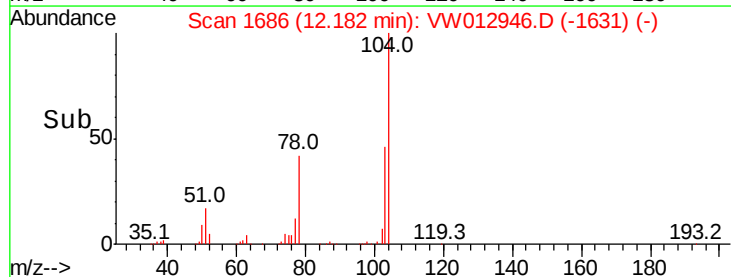
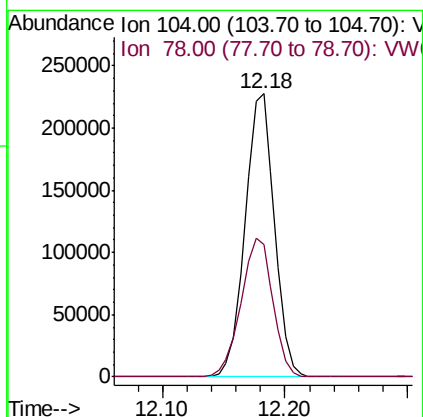
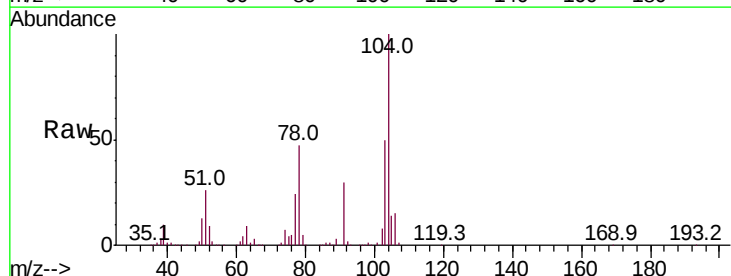
Instrument :
MSVOA_W
ClientSampled :

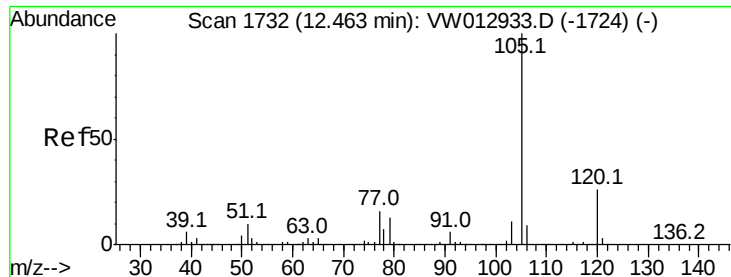
Tot Ion:106 Resp: 218335
Ion Ratio Lower Upper
106 100
91 224.0 153.2 284.6



#56
Styrene
Concen: 24.703 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW012946.D
Acq: 13 Sep 2019 09:23

Tgt Ion:104 Resp: 378415
Ion Ratio Lower Upper
104 100
78 46.9 34.5 64.1





#57

Isopropylbenzene

Concen: 25.216 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampled :

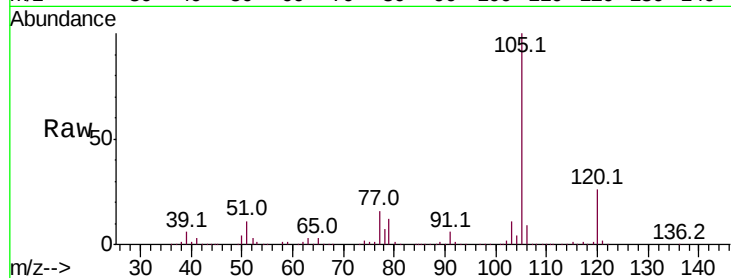
Tot Ion:105 Resp: 623371

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

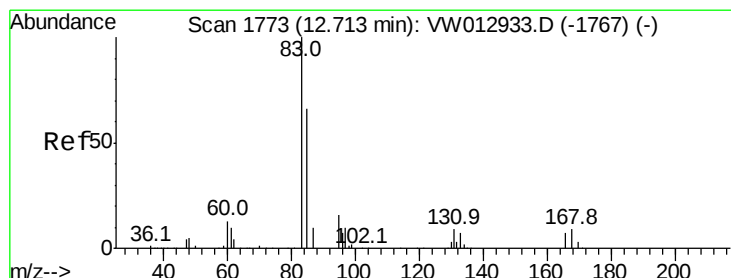
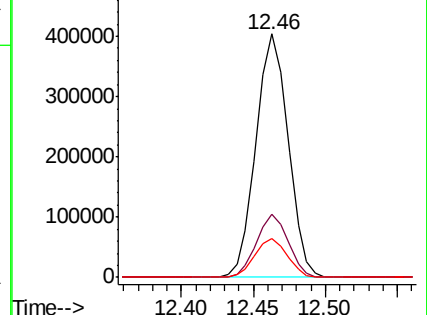
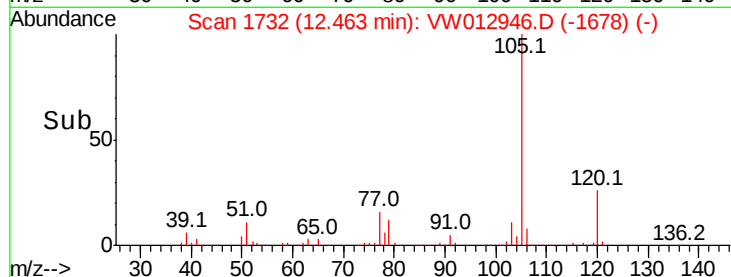
77 16.1 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.765 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

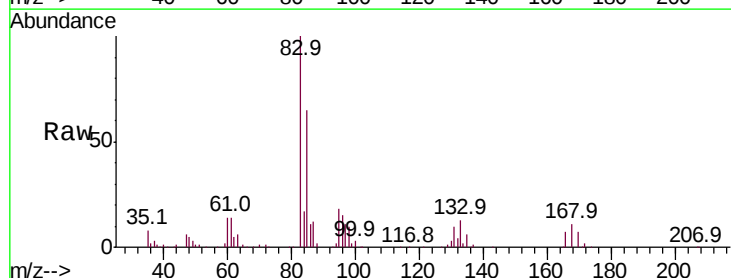
Tgt Ion: 83 Resp: 96367

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

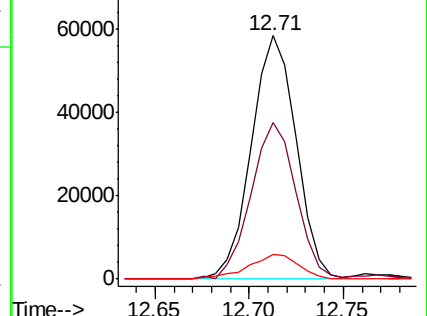
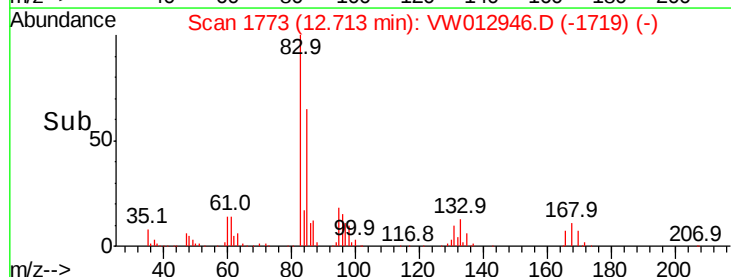
131 10.4 8.0 12.0

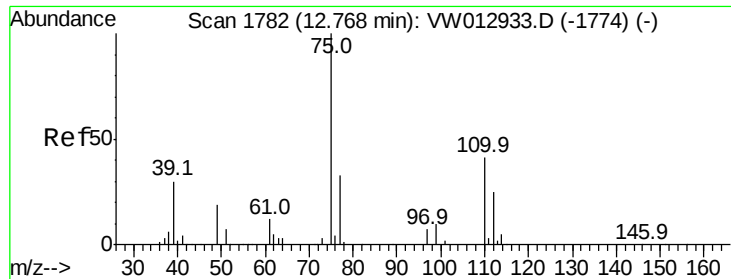


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.806 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

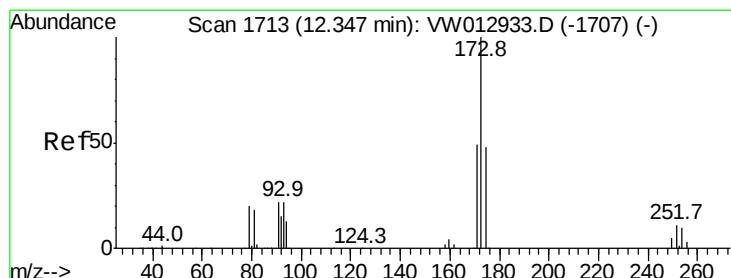
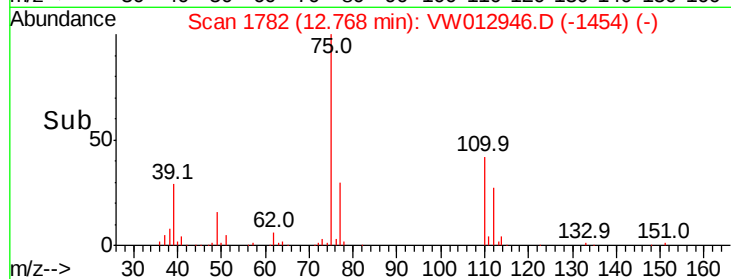
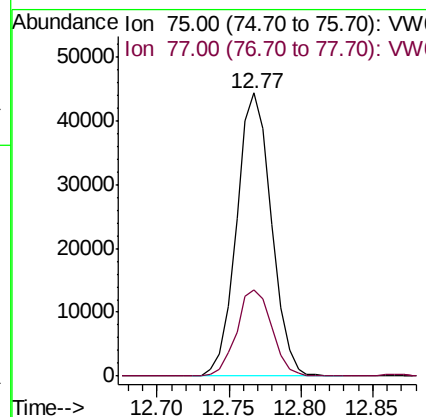
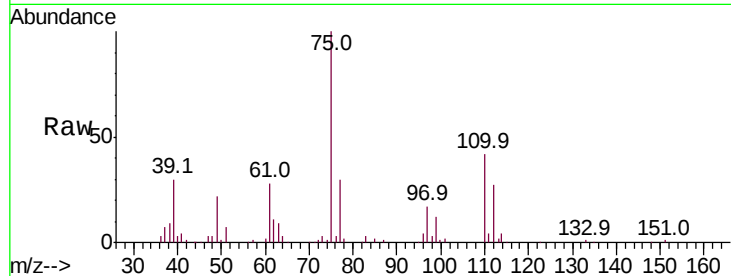
ClientSampled :

Tot Ion: 75 Resp: 74387

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.2



#62

Bromoform

Concen: 24.981 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

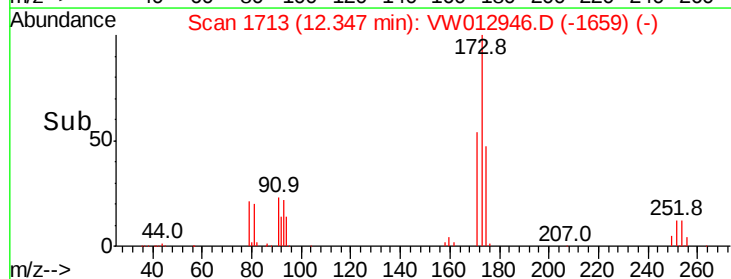
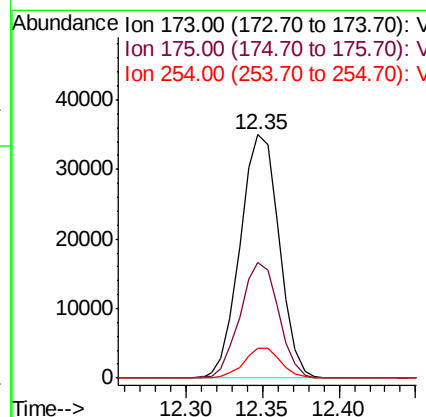
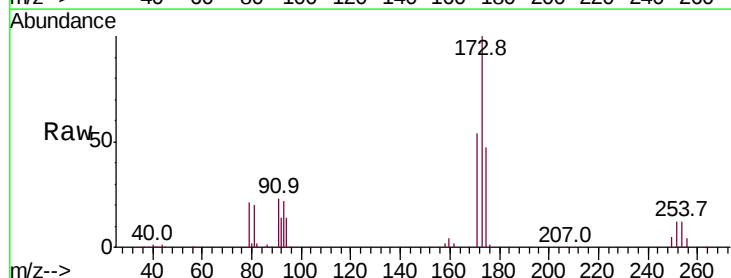
Tgt Ion:173 Resp: 62084

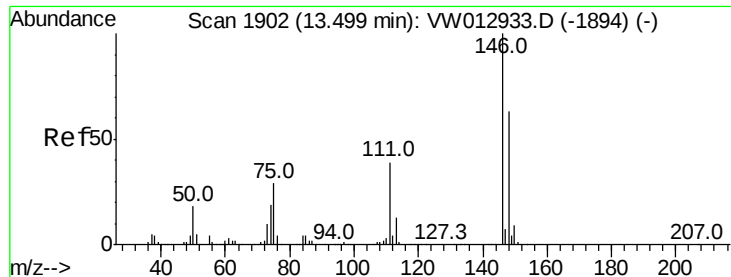
Ion Ratio Lower Upper

173 100

175 46.8 39.7 59.5

254 11.6 9.8 14.6





#63

1,3-Dichlorobenzene

Concen: 24.328 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

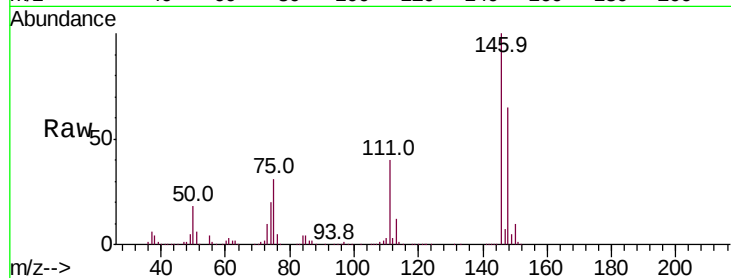
Tot Ion:146 Resp: 267984

Ion Ratio Lower Upper

146 100

111 39.6 28.4 52.8

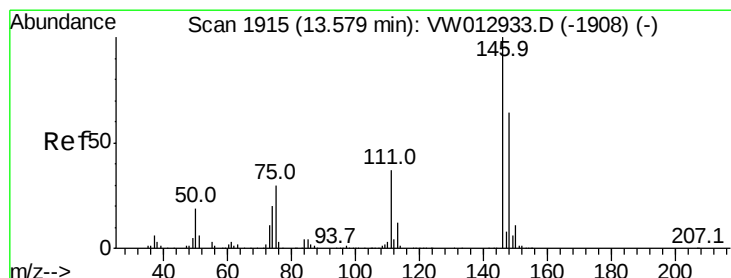
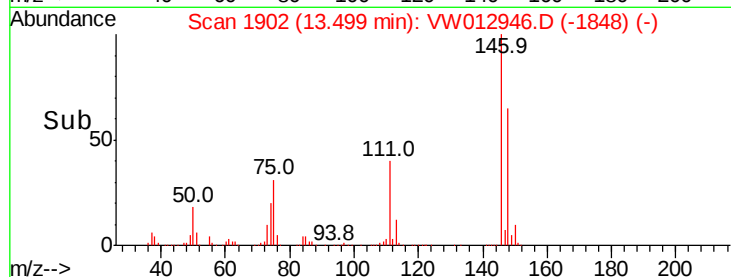
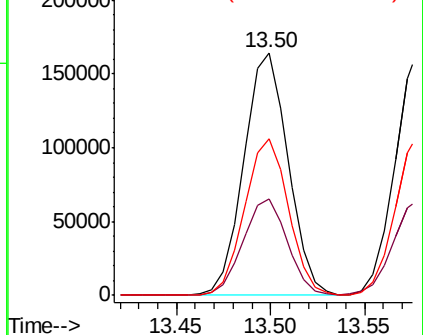
148 64.5 44.4 82.5



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



#64

1,4-Dichlorobenzene

Concen: 23.816 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

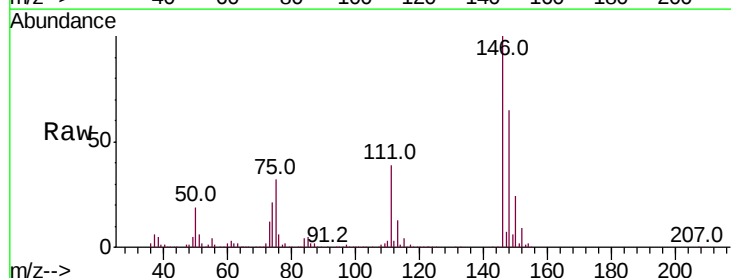
Tgt Ion:146 Resp: 261716

Ion Ratio Lower Upper

146 100

111 38.9 26.1 48.5

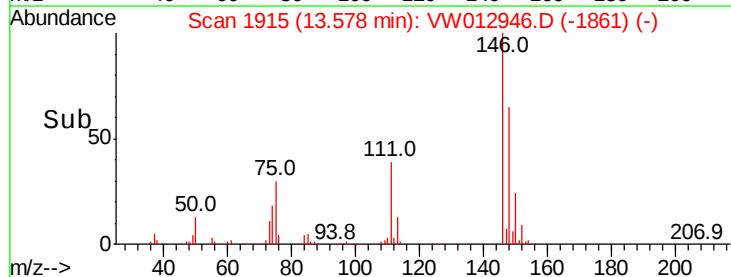
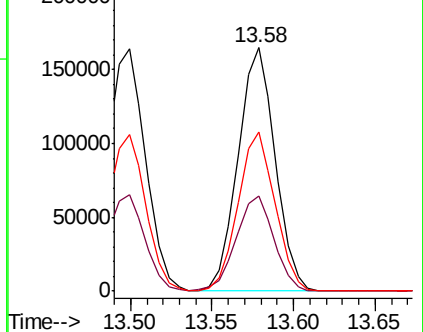
148 65.5 45.8 85.0

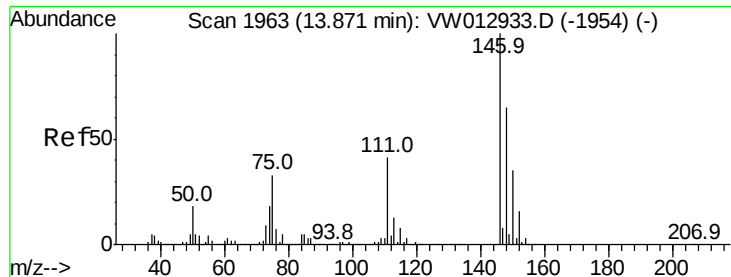


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.076 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

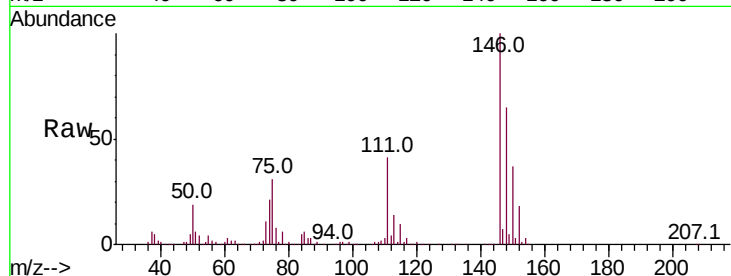
Tot Ion:146 Resp: 237833

Ion Ratio Lower Upper

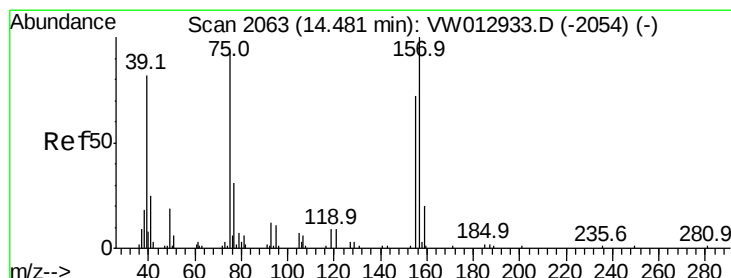
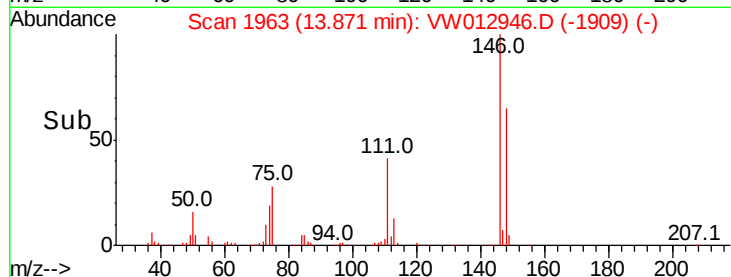
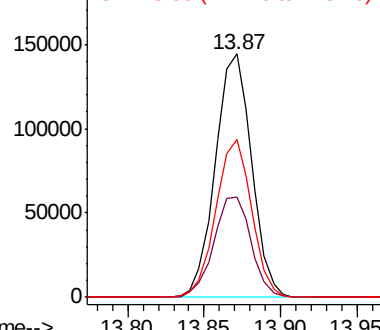
146 100

111 41.0 33.0 49.6

148 64.7 50.8 76.2



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: 24.043 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

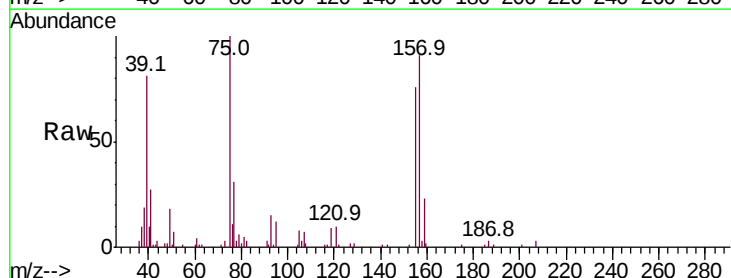
Tgt Ion: 75 Resp: 16460

Ion Ratio Lower Upper

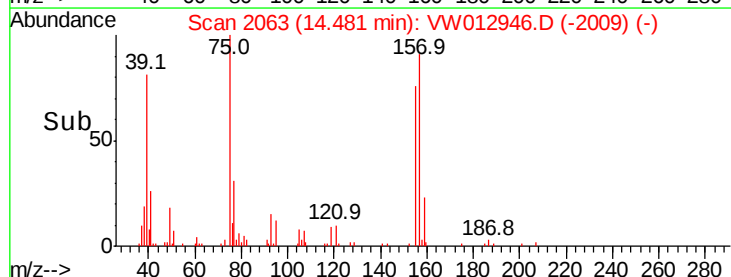
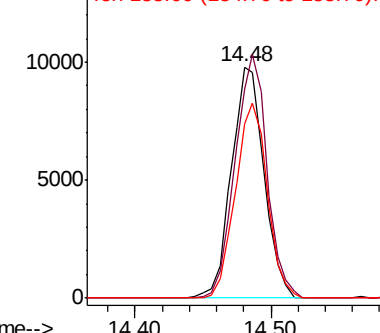
75 100

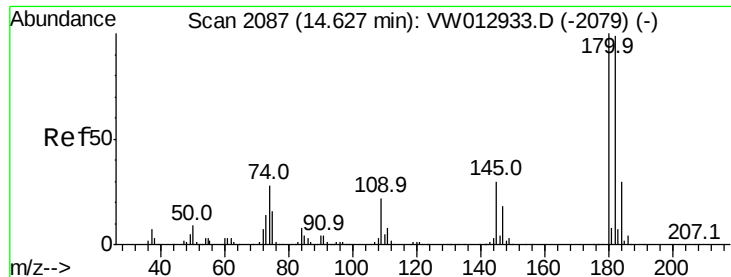
157 90.7 85.0 127.4

155 75.8 70.2 105.4



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

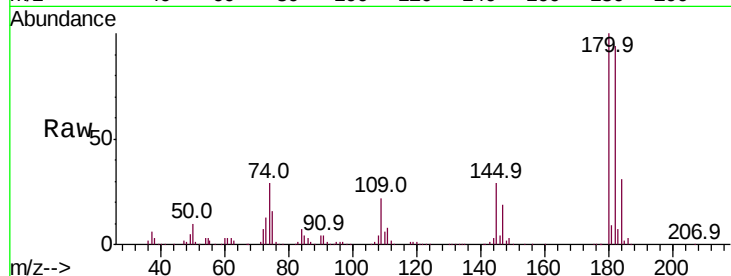




#67
 1,3,5-Trichlorobenzene
 Concen: 24.786 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW012946.D
 Acq: 13 Sep 2019 09:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.8
184	30.1	23.8	35.8
145	28.6	23.1	34.7



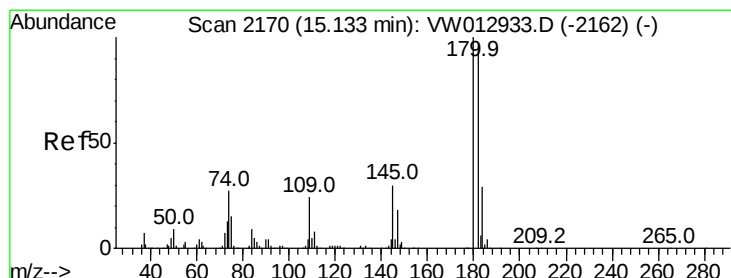
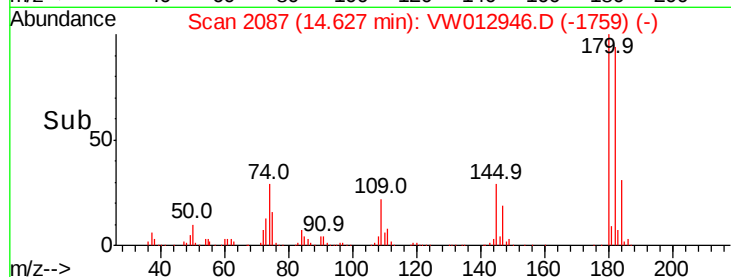
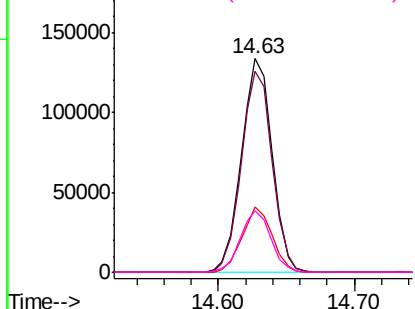
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

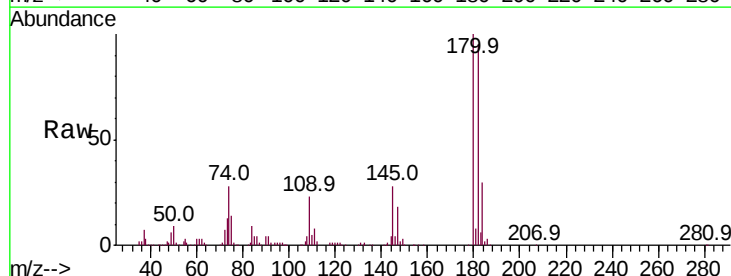
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.656 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012946.D
 Acq: 13 Sep 2019 09:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	73.8	110.8
145	28.6	22.9	34.3

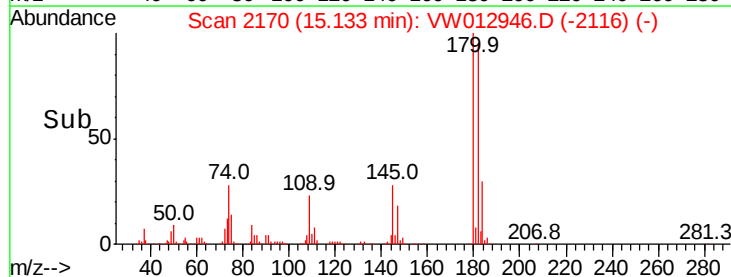
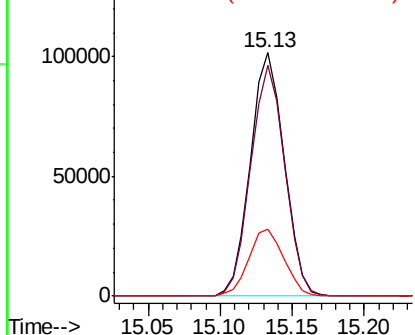


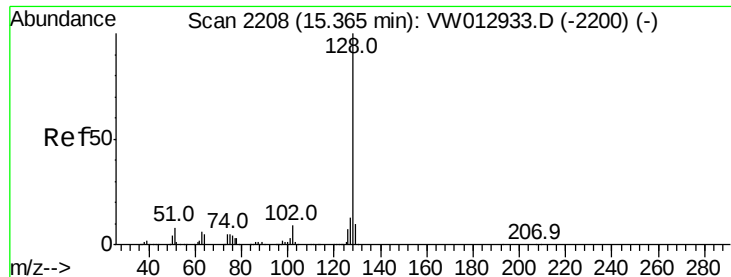
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.659 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

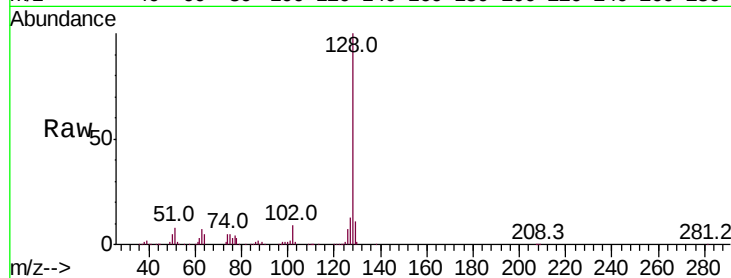
Tot Ion:128 Resp: 268262

Ion Ratio Lower Upper

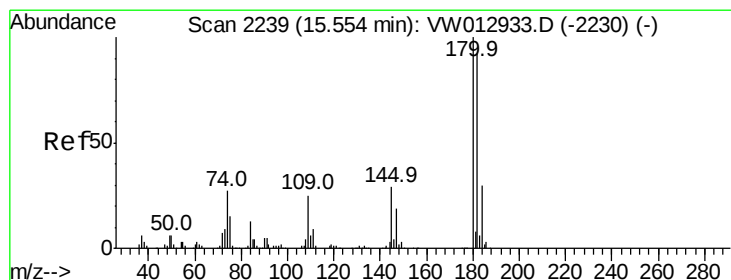
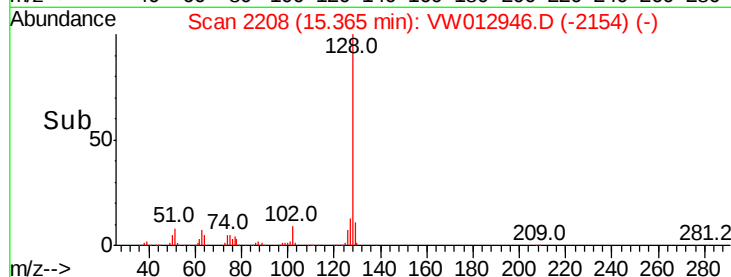
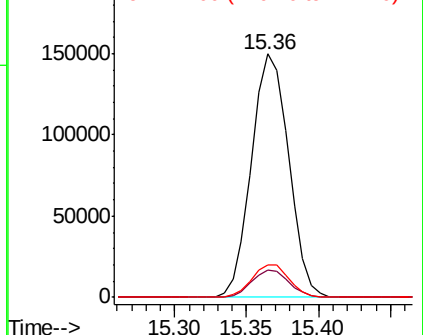
128 100

129 11.2 8.7 13.1

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: 23.754 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012946.D

Acq: 13 Sep 2019 09:23

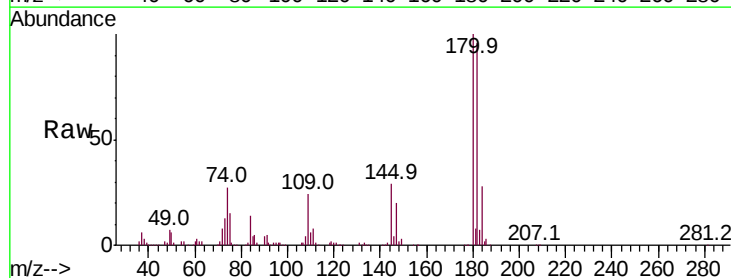
Tgt Ion:180 Resp: 140785

Ion Ratio Lower Upper

180 100

182 97.7 75.4 113.2

145 31.1 24.4 36.6



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

